



### Appendix D. Output Power Measurement

<WCDMA>

Band		WCDMA II_Ant 0_Sensor OFF_NB/TB			Tune-up Limit (dBm)	WCDMA IV_Ant 0_Sensor OFF_NB/TB			Tune-up Limit (dBm)	WCDMA V_Ant 0_Sensor OFF_NB/TB			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938	1537	1638	1738	4357	4407	4458			
Frequency (MHz)		1852.4	1880	1907.6	1712.4	1732.6	1752.6	826.4	836.4	846.6			
3GPP Rel 99	RMC 12.2Kbps	23.89	24.01	23.27	24.50	23.52	23.78	23.76	24.50	23.95	23.79	23.65	24.50
3GPP Rel 6	HSDPA Subtest-1	22.87	22.84	22.25	23.50	22.48	22.76	22.75	23.50	22.89	22.72	22.62	23.50
3GPP Rel 6	HSDPA Subtest-2	22.90	22.86	22.22	23.50	22.50	22.77	22.72	23.50	22.86	22.72	22.57	23.50
3GPP Rel 6	HSDPA Subtest-3	22.38	22.36	21.79	23.00	21.95	22.24	22.23	23.00	22.38	22.22	22.09	23.00
3GPP Rel 6	HSDPA Subtest-4	22.41	22.32	21.76	23.00	22.01	22.24	22.17	23.00	22.34	22.21	22.08	23.00
3GPP Rel 8	DC-HSDPA Subtest-1	22.85	22.77	22.18	23.50	22.38	22.74	22.72	23.50	22.82	22.53	22.54	23.50
3GPP Rel 8	DC-HSDPA Subtest-2	22.80	22.73	22.10	23.50	22.43	22.64	22.71	23.50	22.82	22.56	22.41	23.50
3GPP Rel 8	DC-HSDPA Subtest-3	22.36	22.24	21.76	23.00	21.85	22.06	22.21	23.00	22.38	22.07	22.07	23.00
3GPP Rel 8	DC-HSDPA Subtest-4	22.21	22.21	21.59	23.00	21.89	22.08	21.97	23.00	22.25	22.01	21.91	23.00
3GPP Rel 6	HSUPA Subtest-1	22.91	22.83	22.21	23.50	22.42	22.73	22.69	23.50	22.86	22.76	22.59	23.50
3GPP Rel 6	HSUPA Subtest-2	20.89	20.81	20.25	21.50	20.48	20.67	20.67	21.50	20.89	20.72	20.61	21.50
3GPP Rel 6	HSUPA Subtest-3	21.90	21.84	21.24	22.50	21.38	21.73	21.69	22.50	21.88	21.68	21.60	22.50
3GPP Rel 6	HSUPA Subtest-4	20.88	20.81	20.26	21.50	20.47	20.72	20.70	21.50	20.88	20.76	20.60	21.50
3GPP Rel 6	HSUPA Subtest-5	22.80	22.80	22.20	23.50	22.50	22.70	22.60	23.50	22.90	22.70	22.60	23.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.84	20.77	20.25	21.00	20.29	20.50	20.48	21.00	20.87	20.60	20.46	21.00

<WCDMA>

Band		WCDMA II_Ant 0_Sensor ON_NB			Tune-up Limit (dBm)	WCDMA IV_Ant 0_Sensor ON_NB			Tune-up Limit (dBm)	WCDMA V_Ant 0_Sensor ON_NB			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938	1537	1638	1738	4357	4407	4458			
Frequency (MHz)		1852.4	1880	1907.6	1712.4	1732.6	1752.6	826.4	836.4	846.6			
3GPP Rel 99	RMC 12.2Kbps	18.91	19.05	18.28	19.50	19.06	19.4	19.22	20.00	20.37	20.42	19.98	21.00
3GPP Rel 6	HSDPA Subtest-1	19.02	18.92	18.36	19.50	19.13	19.39	19.33	20.00	20.39	20.29	20.14	21.00
3GPP Rel 6	HSDPA Subtest-2	18.98	18.94	18.31	19.50	19.21	19.38	19.36	20.00	20.39	20.21	20.14	21.00
3GPP Rel 6	HSDPA Subtest-3	18.47	18.43	17.87	19.00	18.61	18.88	18.88	19.50	19.90	19.73	19.61	20.50
3GPP Rel 6	HSDPA Subtest-4	18.51	18.47	17.84	19.00	18.64	18.91	18.87	19.50	19.88	19.76	19.61	20.50
3GPP Rel 8	DC-HSDPA Subtest-1	18.92	18.88	18.35	19.50	19.09	19.23	19.16	20.00	20.34	20.23	19.99	21.00
3GPP Rel 8	DC-HSDPA Subtest-2	18.85	18.87	18.17	19.50	19.09	19.18	19.35	20.00	20.33	20.10	20.00	21.00
3GPP Rel 8	DC-HSDPA Subtest-3	18.39	18.32	17.68	19.00	18.46	18.83	18.74	19.50	19.74	19.55	19.44	20.50
3GPP Rel 8	DC-HSDPA Subtest-4	18.40	18.36	17.67	19.00	18.55	18.84	18.87	19.50	19.68	19.56	19.59	20.50
3GPP Rel 6	HSUPA Subtest-1	18.98	18.95	18.33	19.50	19.07	19.35	19.35	20.00	20.37	20.28	20.11	21.00
3GPP Rel 6	HSUPA Subtest-2	16.99	16.95	16.29	17.50	17.16	17.38	17.39	18.00	18.35	18.27	18.14	19.00
3GPP Rel 6	HSUPA Subtest-3	17.98	17.94	17.28	18.50	18.03	18.37	18.41	19.00	19.41	19.29	19.09	20.00
3GPP Rel 6	HSUPA Subtest-4	17.06	16.97	16.36	17.50	17.10	17.37	17.40	18.00	18.37	18.26	18.10	19.00
3GPP Rel 6	HSUPA Subtest-5	19.00	19.00	18.30	19.50	19.10	19.20	19.12	20.00	20.30	20.30	20.10	21.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	17.00	16.82	16.31	17.00	17.07	17.18	17.34	17.50	18.20	18.09	18.03	18.50



**<WCDMA>**

Band	WCDMA II_Ant 0_Sensor ON_TB			Tune-up Limit (dBm)	WCDMA IV_Ant 0_Sensor ON_TB			Tune-up Limit (dBm)	WCDMA V_Ant 0_Sensor ON_TB			Tune-up Limit (dBm)	
	TX Channel	9262	9400		9538	1312	1413		1513	4132	4182		4233
Rx Channel	9662	9800	9938	1537	1638	1738	4357	4407	4458				
Frequency (MHz)	1852.4	1880	1907.6	1712.4	1732.6	1752.6	826.4	836.4	846.6				
3GPP Rel 99	RMC 12.2Kbps	14.48	14.55	14.43	15.00	16.57	16.76	16.67	17.00	18.24	18.03	18.00	18.50
3GPP Rel 6	HSDPA Subtest-1	14.53	14.45	13.89	15.00	16.72	16.51	16.01	17.00	17.91	18.10	17.40	18.50
3GPP Rel 6	HSDPA Subtest-2	14.51	14.52	13.96	15.00	16.66	16.57	16.13	17.00	17.90	18.15	17.63	18.50
3GPP Rel 6	HSDPA Subtest-3	13.87	14.00	13.33	14.50	16.06	16.17	15.54	16.50	17.52	17.39	17.04	18.00
3GPP Rel 6	HSDPA Subtest-4	13.66	13.96	13.36	14.50	15.82	16.06	15.98	16.50	17.46	17.32	17.47	18.00
3GPP Rel 8	DC-HSDPA Subtest-1	14.47	14.36	13.74	15.00	16.58	16.40	15.87	17.00	17.88	18.03	17.27	18.50
3GPP Rel 8	DC-HSDPA Subtest-2	14.40	14.32	13.88	15.00	16.61	16.51	16.08	17.00	17.81	18.04	17.44	18.50
3GPP Rel 8	DC-HSDPA Subtest-3	13.80	13.81	13.29	14.50	15.94	15.86	15.89	16.50	17.27	17.39	17.28	18.00
3GPP Rel 8	DC-HSDPA Subtest-4	13.65	13.91	13.77	14.50	15.78	16.00	16.00	16.50	17.37	17.12	17.33	18.00
3GPP Rel 6	HSUPA Subtest-1	13.54	13.45	13.49	15.00	15.58	15.68	15.62	17.00	17.10	16.95	17.02	18.50
3GPP Rel 6	HSUPA Subtest-2	12.55	12.52	11.83	13.00	14.61	14.67	13.98	15.00	16.09	16.05	15.34	16.50
3GPP Rel 6	HSUPA Subtest-3	14.53	14.48	13.87	14.00	16.61	16.66	16.04	16.00	17.49	17.46	17.35	17.50
3GPP Rel 6	HSUPA Subtest-4	12.51	12.47	11.82	13.00	14.61	14.55	14.04	15.00	15.91	16.11	15.36	16.50
3GPP Rel 6	HSUPA Subtest-5	14.50	14.50	13.90	15.00	16.54	16.61	16.06	17.00	18.09	17.97	17.52	18.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	11.99	12.01	12.00	12.50	14.14	14.11	14.14	14.50	15.47	15.53	15.62	16.00



<LTE Band 2\_Ant 0\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	23.12	23.36	22.90	24
20	QPSK	1	49	22.89	23.23	22.61	
20	QPSK	1	99	22.99	22.99	22.34	
20	QPSK	50	0	22.06	22.24	21.74	23
20	QPSK	50	24	22.23	22.14	21.81	
20	QPSK	50	50	22.15	22.04	21.69	
20	QPSK	100	0	22.17	22.19	21.78	23
20	16QAM	1	0	22.14	22.54	22.29	
20	16QAM	1	49	22.23	22.49	21.94	
20	16QAM	1	99	22.12	22.06	21.39	22
20	16QAM	50	0	21.12	21.26	20.88	
20	16QAM	50	24	21.22	21.12	20.80	
20	16QAM	50	50	21.16	21.05	20.57	22
20	16QAM	100	0	21.09	21.21	20.90	
20	64QAM	1	0	21.16	21.62	21.19	
20	64QAM	1	49	21.49	21.51	20.48	22
20	64QAM	1	99	21.17	21.05	20.93	
20	64QAM	50	0	20.09	20.18	19.87	
20	64QAM	50	24	20.20	20.11	19.81	21
20	64QAM	50	50	20.18	20.13	19.64	
20	64QAM	100	0	20.19	20.17	19.74	
20	256QAM	1	0	18.45	18.89	18.49	19
20	256QAM	1	49	18.73	18.72	17.73	
20	256QAM	1	99	18.45	18.28	18.19	
20	256QAM	50	0	17.32	17.38	17.08	19
20	256QAM	50	24	17.47	17.36	17.07	
20	256QAM	50	50	17.44	17.33	17.18	
20	256QAM	100	0	17.40	17.41	17.25	
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	22.93	23.00	22.77	24
15	QPSK	1	37	23.08	23.04	22.58	
15	QPSK	1	74	22.91	22.84	22.25	
15	QPSK	36	0	22.20	22.29	21.85	23
15	QPSK	36	20	22.15	22.15	21.69	
15	QPSK	36	39	22.15	22.05	21.60	
15	QPSK	75	0	22.15	22.13	21.73	23
15	16QAM	1	0	22.45	22.32	21.85	
15	16QAM	1	37	22.69	22.50	22.08	
15	16QAM	1	74	22.27	21.94	21.70	22
15	16QAM	36	0	21.11	21.16	20.82	
15	16QAM	36	20	21.24	21.18	20.71	
15	16QAM	36	39	21.15	21.11	20.64	22
15	16QAM	75	0	21.16	21.13	20.73	
15	64QAM	1	0	21.05	21.27	21.32	
15	64QAM	1	37	20.99	21.25	20.83	22
15	64QAM	1	74	21.36	20.90	20.76	
15	64QAM	36	0	20.09	20.20	19.69	
15	64QAM	36	20	20.19	20.22	19.79	21
15	64QAM	36	39	20.25	20.25	19.67	
15	64QAM	75	0	20.28	20.08	19.78	
15	256QAM	1	0	18.45	18.77	18.36	19
15	256QAM	1	37	18.65	18.52	17.69	
15	256QAM	1	74	18.25	18.19	18.05	
15	256QAM	36	0	17.24	17.27	17.02	19
15	256QAM	36	20	17.34	17.36	17.11	



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15	256QAM	36	39	17.38	17.33	17.00	
15	256QAM	75	0	17.39	17.36	17.11	
Channel				18650	18900	19150	Tune-up limit(dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	23.06	23.11	22.81	24
10	QPSK	1	25	22.71	23.09	22.51	
10	QPSK	1	49	22.80	22.90	22.23	
10	QPSK	25	0	22.04	21.99	21.58	23
10	QPSK	25	12	22.20	22.07	21.78	
10	QPSK	25	25	22.10	21.90	21.50	
10	QPSK	50	0	22.01	22.00	21.70	23
10	16QAM	1	0	21.99	22.35	22.26	
10	16QAM	1	25	22.09	22.34	21.91	
10	16QAM	1	49	21.98	21.91	21.20	22
10	16QAM	25	0	21.00	21.12	20.73	
10	16QAM	25	12	21.14	21.06	20.78	
10	16QAM	25	25	20.96	20.93	20.44	22
10	16QAM	50	0	20.89	21.06	20.87	
10	64QAM	1	0	21.06	21.60	20.99	
10	64QAM	1	25	21.43	21.50	20.35	22
10	64QAM	1	49	21.11	20.90	20.79	
10	64QAM	25	0	20.07	20.18	19.68	
10	64QAM	25	12	20.13	19.95	19.74	21
10	64QAM	25	25	20.13	20.07	19.56	
10	64QAM	50	0	20.05	20.11	19.74	
10	256QAM	1	0	18.29	18.78	18.46	19
10	256QAM	1	25	18.59	18.69	17.53	
10	256QAM	1	49	18.45	18.16	18.15	
10	256QAM	25	0	17.27	17.34	17.22	19
10	256QAM	25	12	17.28	17.30	17.23	
10	256QAM	25	25	17.37	17.17	17.03	
10	256QAM	50	0	17.31	17.30	17.09	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	22.97	23.01	22.74	24
5	QPSK	1	12	22.69	22.91	22.31	
5	QPSK	1	24	22.65	22.86	22.12	
5	QPSK	12	0	21.85	21.85	21.40	23
5	QPSK	12	7	22.14	21.96	21.70	
5	QPSK	12	13	22.04	21.85	21.46	
5	QPSK	25	0	22.01	22.00	21.65	23
5	16QAM	1	0	21.81	22.21	22.14	
5	16QAM	1	12	21.92	22.16	21.83	
5	16QAM	1	24	21.86	21.78	21.10	22
5	16QAM	12	0	20.99	21.03	20.66	
5	16QAM	12	7	20.94	20.95	20.65	
5	16QAM	12	13	20.76	20.73	20.39	22
5	16QAM	25	0	20.70	20.97	20.84	
5	64QAM	1	0	21.06	21.53	20.91	
5	64QAM	1	12	21.23	21.47	20.33	22
5	64QAM	1	24	21.08	20.81	20.76	
5	64QAM	12	0	19.87	20.01	19.62	
5	64QAM	12	7	19.97	19.80	19.58	21
5	64QAM	12	13	20.13	19.94	19.40	
5	64QAM	25	0	20.02	20.11	19.63	
5	256QAM	1	0	18.21	18.69	18.43	19
5	256QAM	1	12	18.51	18.63	17.49	
5	256QAM	1	24	18.39	17.98	18.05	
5	256QAM	12	0	17.24	17.25	17.19	19
5	256QAM	12	7	17.17	17.18	17.23	
5	256QAM	12	13	17.36	17.01	17.16	
5	256QAM	25	0	17.31	17.23	17.11	
Channel				18615	18900	19185	Tune-up limit



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Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	22.94	22.95	22.67	24
3	QPSK	1	8	22.55	22.95	22.31	
3	QPSK	1	14	22.72	22.80	22.07	
3	QPSK	8	0	22.04	21.82	21.40	23
3	QPSK	8	4	22.13	22.05	21.70	
3	QPSK	8	7	22.05	21.74	21.49	
3	QPSK	15	0	21.92	21.80	21.61	23
3	16QAM	1	0	21.82	22.19	22.21	
3	16QAM	1	8	22.02	22.25	21.75	
3	16QAM	1	14	21.82	21.86	21.10	22
3	16QAM	8	0	20.92	20.93	20.68	
3	16QAM	8	4	21.03	20.91	20.65	
3	16QAM	8	7	20.93	20.78	20.44	22
3	16QAM	15	0	20.80	21.02	20.86	
3	64QAM	1	0	20.99	21.58	20.88	
3	64QAM	1	8	21.28	21.32	20.33	22
3	64QAM	1	14	21.10	20.90	20.69	
3	64QAM	8	0	20.06	20.15	19.59	
3	64QAM	8	4	20.00	19.84	19.69	21
3	64QAM	8	7	19.93	19.92	19.39	
3	64QAM	15	0	19.94	20.04	19.68	
3	256QAM	1	0	18.19	18.65	18.32	19
3	256QAM	1	8	18.55	18.53	17.44	
3	256QAM	1	14	18.33	18.10	18.02	
3	256QAM	8	0	17.08	17.24	17.07	19
3	256QAM	8	4	17.17	17.10	17.23	
3	256QAM	8	7	17.36	17.12	17.02	
3	256QAM	15	0	17.23	17.19	17.04	Tune-up limit (dBm)
Channel				18607	18900	19193	
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	23.35	23.12	22.55	24
1.4	QPSK	1	3	23.34	23.19	22.74	
1.4	QPSK	1	5	23.14	23.17	22.42	
1.4	QPSK	3	0	23.22	23.35	22.66	
1.4	QPSK	3	1	23.27	23.20	22.59	
1.4	QPSK	3	3	23.28	23.29	22.52	23
1.4	QPSK	6	0	22.22	22.22	21.63	
1.4	16QAM	1	0	22.46	22.78	22.04	
1.4	16QAM	1	3	22.04	22.90	21.94	23
1.4	16QAM	1	5	22.27	22.60	22.29	
1.4	16QAM	3	0	22.26	22.32	21.91	
1.4	16QAM	3	1	22.44	22.42	21.74	
1.4	16QAM	3	3	22.51	22.24	21.75	
1.4	16QAM	6	0	21.16	21.35	20.68	22
1.4	64QAM	1	0	21.34	21.25	20.69	22
1.4	64QAM	1	3	20.93	21.36	20.98	
1.4	64QAM	1	5	21.35	21.51	20.44	
1.4	64QAM	3	0	21.20	21.43	20.88	
1.4	64QAM	3	1	21.33	21.18	20.72	
1.4	64QAM	3	3	21.44	21.60	20.49	21
1.4	64QAM	6	0	20.30	20.39	19.61	
1.4	256QAM	1	0	18.63	18.54	17.98	
1.4	256QAM	1	3	18.18	18.65	18.25	19
1.4	256QAM	1	5	18.63	18.78	17.69	
1.4	256QAM	3	0	18.79	18.94	18.39	
1.4	256QAM	3	1	18.84	18.71	18.23	
1.4	256QAM	3	3	18.97	18.95	18.02	
1.4	256QAM	6	0	17.88	17.91	17.20	19



<LTE Band 2\_Ant 2\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	23.05	23.20	23.00	24
20	QPSK	1	49	22.94	23.08	22.90	
20	QPSK	1	99	22.82	22.96	22.78	
20	QPSK	50	0	22.65	22.79	22.61	23
20	QPSK	50	24	22.63	22.77	22.59	
20	QPSK	50	50	22.51	22.65	22.47	
20	QPSK	100	0	22.70	22.83	22.65	23
20	16QAM	1	0	22.73	22.86	22.68	
20	16QAM	1	49	22.68	22.81	22.63	
20	16QAM	1	99	22.61	22.74	22.56	22
20	16QAM	50	0	21.70	21.83	21.66	
20	16QAM	50	24	21.68	21.80	21.63	
20	16QAM	50	50	21.55	21.68	21.51	22
20	16QAM	100	0	21.70	21.83	21.66	
20	64QAM	1	0	21.65	21.78	21.61	
20	64QAM	1	49	21.50	21.63	21.46	22
20	64QAM	1	99	21.40	21.53	21.36	
20	64QAM	50	0	20.60	20.72	20.56	
20	64QAM	50	24	20.60	20.70	20.55	21
20	64QAM	50	50	20.46	20.58	20.42	
20	64QAM	100	0	20.60	20.72	20.56	
20	256QAM	1	0	18.62	18.73	18.58	19
20	256QAM	1	49	18.48	18.60	18.44	
20	256QAM	1	99	18.31	18.29	18.27	
20	256QAM	50	0	18.60	18.69	18.55	19
20	256QAM	50	24	18.58	18.68	18.54	
20	256QAM	50	50	18.40	18.50	18.37	
20	256QAM	100	0	18.53	18.66	18.49	
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	22.98	23.19	22.83	24
15	QPSK	1	37	22.87	23.01	22.77	
15	QPSK	1	74	22.81	22.91	22.78	
15	QPSK	36	0	22.53	22.73	22.57	23
15	QPSK	36	20	22.46	22.68	22.54	
15	QPSK	36	39	22.32	22.46	22.39	
15	QPSK	75	0	22.61	22.66	22.45	23
15	16QAM	1	0	22.63	22.76	22.66	
15	16QAM	1	37	22.54	22.68	22.52	
15	16QAM	1	74	22.57	22.73	22.47	22
15	16QAM	36	0	21.55	21.70	21.55	
15	16QAM	36	20	21.66	21.76	21.47	
15	16QAM	36	39	21.35	21.64	21.46	22
15	16QAM	75	0	21.60	21.71	21.54	
15	64QAM	1	0	21.46	21.75	21.51	
15	64QAM	1	37	21.39	21.52	21.30	22
15	64QAM	1	74	21.30	21.36	21.32	
15	64QAM	36	0	20.44	20.56	20.45	
15	64QAM	36	20	20.57	20.61	20.41	21
15	64QAM	36	39	20.41	20.49	20.26	
15	64QAM	75	0	20.41	20.65	20.51	
15	256QAM	1	0	18.42	18.64	18.56	19
15	256QAM	1	37	18.42	18.43	18.24	
15	256QAM	1	74	18.16	18.09	18.21	
15	256QAM	36	0	18.48	18.61	18.44	19
15	256QAM	36	20	18.51	18.63	18.48	



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**Report No. : FA3N0927**

15	256QAM	36	39	18.38	18.42	18.30	
15	256QAM	75	0	18.52	18.55	18.30	
Channel				18650	18900	19150	Tune-up limit(dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	22.87	23.03	22.90	24
10	QPSK	1	25	22.87	23.01	22.77	
10	QPSK	1	49	22.67	22.78	22.66	
10	QPSK	25	0	22.52	22.74	22.60	23
10	QPSK	25	12	22.50	22.59	22.46	
10	QPSK	25	25	22.51	22.65	22.42	
10	QPSK	50	0	22.59	22.80	22.55	23
10	16QAM	1	0	22.67	22.86	22.66	
10	16QAM	1	25	22.52	22.69	22.45	
10	16QAM	1	49	22.49	22.70	22.44	22
10	16QAM	25	0	21.67	21.79	21.62	
10	16QAM	25	12	21.60	21.69	21.51	
10	16QAM	25	25	21.53	21.58	21.33	22
10	16QAM	50	0	21.70	21.67	21.57	
10	64QAM	1	0	21.63	21.65	21.55	
10	64QAM	1	25	21.45	21.49	21.30	22
10	64QAM	1	49	21.40	21.37	21.17	
10	64QAM	25	0	20.55	20.58	20.52	
10	64QAM	25	12	20.41	20.55	20.48	21
10	64QAM	25	25	20.31	20.38	20.36	
10	64QAM	50	0	20.49	20.65	20.37	
10	256QAM	1	0	18.45	18.71	18.43	19
10	256QAM	1	25	18.47	18.48	18.32	
10	256QAM	1	49	18.17	18.12	18.13	
10	256QAM	25	0	18.51	18.56	18.37	19
10	256QAM	25	12	18.51	18.53	18.42	
10	256QAM	25	25	18.26	18.41	18.22	
10	256QAM	50	0	18.48	18.65	18.49	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	22.91	23.03	22.97	24
5	QPSK	1	12	22.75	22.97	22.90	
5	QPSK	1	24	22.67	22.78	22.63	
5	QPSK	12	0	22.65	22.75	22.52	23
5	QPSK	12	7	22.44	22.62	22.49	
5	QPSK	12	13	22.34	22.50	22.43	
5	QPSK	25	0	22.58	22.64	22.54	23
5	16QAM	1	0	22.59	22.73	22.56	
5	16QAM	1	12	22.62	22.81	22.57	
5	16QAM	1	24	22.61	22.73	22.40	22
5	16QAM	12	0	21.69	21.82	21.49	
5	16QAM	12	7	21.50	21.73	21.50	
5	16QAM	12	13	21.46	21.52	21.31	22
5	16QAM	25	0	21.63	21.63	21.61	
5	64QAM	1	0	21.46	21.60	21.45	
5	64QAM	1	12	21.39	21.48	21.32	22
5	64QAM	1	24	21.20	21.48	21.22	
5	64QAM	12	0	20.55	20.71	20.46	
5	64QAM	12	7	20.54	20.58	20.41	21
5	64QAM	12	13	20.41	20.41	20.26	
5	64QAM	25	0	20.48	20.71	20.54	
5	256QAM	1	0	18.44	18.71	18.50	19
5	256QAM	1	12	18.38	18.55	18.26	
5	256QAM	1	24	18.15	18.13	18.25	
5	256QAM	12	0	18.59	18.60	18.47	19
5	256QAM	12	7	18.53	18.60	18.52	
5	256QAM	12	13	18.38	18.49	18.21	
5	256QAM	25	0	18.44	18.61	18.31	
Channel				18615	18900	19185	Tune-up limit



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Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	22.93	23.05	22.92	24
3	QPSK	1	8	22.78	23.06	22.77	
3	QPSK	1	14	22.65	22.87	22.76	
3	QPSK	8	0	22.52	22.77	22.47	23
3	QPSK	8	4	22.62	22.76	22.59	
3	QPSK	8	7	22.31	22.57	22.40	
3	QPSK	15	0	22.61	22.74	22.53	23
3	16QAM	1	0	22.60	22.80	22.50	
3	16QAM	1	8	22.52	22.78	22.48	
3	16QAM	1	14	22.56	22.57	22.50	22
3	16QAM	8	0	21.56	21.77	21.52	
3	16QAM	8	4	21.63	21.64	21.45	
3	16QAM	8	7	21.37	21.53	21.47	22
3	16QAM	15	0	21.68	21.79	21.59	
3	64QAM	1	0	21.57	21.65	21.45	
3	64QAM	1	8	21.49	21.58	21.40	22
3	64QAM	1	14	21.34	21.43	21.32	
3	64QAM	8	0	20.53	20.70	20.36	
3	64QAM	8	4	20.50	20.64	20.49	21
3	64QAM	8	7	20.32	20.43	20.26	
3	64QAM	15	0	20.59	20.64	20.55	
3	256QAM	1	0	18.51	18.68	18.48	19
3	256QAM	1	8	18.43	18.45	18.28	
3	256QAM	1	14	18.14	18.09	18.24	
3	256QAM	8	0	18.40	18.65	18.37	19
3	256QAM	8	4	18.53	18.66	18.52	
3	256QAM	8	7	18.37	18.43	18.26	
3	256QAM	15	0	18.37	18.57	18.33	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	22.98	23.01	22.81	24
1.4	QPSK	1	3	22.79	22.93	22.78	
1.4	QPSK	1	5	22.71	22.89	22.60	
1.4	QPSK	3	0	22.58	22.79	22.59	23
1.4	QPSK	3	1	22.49	22.74	22.57	
1.4	QPSK	3	3	22.38	22.58	22.42	
1.4	QPSK	6	0	22.69	22.76	22.56	23
1.4	16QAM	1	0	22.63	22.78	22.66	
1.4	16QAM	1	3	22.67	22.72	22.47	
1.4	16QAM	1	5	22.60	22.74	22.47	23
1.4	16QAM	3	0	21.62	21.79	21.48	
1.4	16QAM	3	1	21.52	21.65	21.49	
1.4	16QAM	3	3	21.51	21.59	21.39	22
1.4	16QAM	6	0	21.70	21.81	21.48	
1.4	64QAM	1	0	21.56	21.76	21.52	
1.4	64QAM	1	3	21.44	21.55	21.34	22
1.4	64QAM	1	5	21.26	21.43	21.34	
1.4	64QAM	3	0	20.40	20.54	20.40	
1.4	64QAM	3	1	20.60	20.66	20.42	21
1.4	64QAM	3	3	20.33	20.49	20.22	
1.4	64QAM	6	0	20.44	20.64	20.47	
1.4	256QAM	1	0	18.50	18.66	18.49	19
1.4	256QAM	1	3	18.30	18.59	18.25	
1.4	256QAM	1	5	18.21	18.18	18.26	
1.4	256QAM	3	0	18.49	18.57	18.46	19
1.4	256QAM	3	1	18.49	18.65	18.43	
1.4	256QAM	3	3	18.40	18.39	18.22	
1.4	256QAM	6	0	18.36	18.56	18.46	19





<LTE Band 2\_Ant 0\_Sensor ON\_NB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	17.12	17.14	16.76	17.5
20	QPSK	1	49	17.05	17.08	16.61	
20	QPSK	1	99	17.08	16.78	16.44	
20	QPSK	50	0	16.16	16.26	15.76	16.5
20	QPSK	50	24	16.10	16.08	15.69	
20	QPSK	50	50	16.14	16.02	15.60	
20	QPSK	100	0	16.06	16.27	15.74	16.5
20	16QAM	1	0	16.20	16.50	16.12	
20	16QAM	1	49	16.38	16.07	15.59	
20	16QAM	1	99	16.28	16.15	15.58	15.5
20	16QAM	50	0	15.09	15.08	14.86	
20	16QAM	50	24	15.27	15.08	14.66	
20	16QAM	50	50	15.22	15.09	14.62	15.5
20	16QAM	100	0	15.22	15.09	14.74	
20	64QAM	1	0	15.39	15.25	14.95	
20	64QAM	1	49	15.42	15.25	15.20	15.5
20	64QAM	1	99	15.49	14.81	14.27	
20	64QAM	50	0	14.06	14.05	13.65	
20	64QAM	50	24	14.30	13.99	13.66	14.5
20	64QAM	50	50	14.15	14.03	13.61	
20	64QAM	100	0	14.14	14.05	13.71	
20	256QAM	1	0	12.04	11.89	11.45	12.5
20	256QAM	1	49	12.10	11.76	11.71	
20	256QAM	1	99	12.16	11.41	10.90	
20	256QAM	50	0	10.62	10.55	10.51	12.5
20	256QAM	50	24	10.99	10.67	10.55	
20	256QAM	50	50	10.66	10.62	10.54	
20	256QAM	100	0	10.74	10.59	10.58	
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	16.96	16.74	16.69	17.5
15	QPSK	1	37	16.93	17.04	16.44	
15	QPSK	1	74	16.91	16.73	16.32	
15	QPSK	36	0	16.00	15.85	15.61	16.5
15	QPSK	36	20	16.08	15.97	15.61	
15	QPSK	36	39	16.08	15.88	15.56	
15	QPSK	75	0	16.19	16.00	15.61	16.5
15	16QAM	1	0	16.17	16.37	16.04	
15	16QAM	1	37	16.19	15.96	15.49	
15	16QAM	1	74	16.17	15.98	15.43	15.5
15	16QAM	36	0	14.95	15.01	14.82	
15	16QAM	36	20	15.09	14.88	14.49	
15	16QAM	36	39	15.20	15.09	14.43	15.5
15	16QAM	75	0	15.06	14.95	14.59	
15	64QAM	1	0	15.37	15.23	14.76	
15	64QAM	1	37	15.23	15.22	15.06	15.5
15	64QAM	1	74	15.35	14.70	14.15	
15	64QAM	36	0	13.95	13.89	13.51	
15	64QAM	36	20	14.18	13.95	13.50	14.5
15	64QAM	36	39	13.96	13.86	13.57	
15	64QAM	75	0	14.02	13.96	13.66	
15	256QAM	1	0	11.96	11.69	11.34	12.5
15	256QAM	1	37	11.95	11.56	11.54	
15	256QAM	1	74	12.10	11.22	10.75	
15	256QAM	36	0	10.54	10.51	10.69	12.5
15	256QAM	36	20	10.88	10.67	10.68	



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15	256QAM	36	39	10.66	10.53	10.59	
15	256QAM	75	0	10.59	10.58	10.52	
Channel				18650	18900	19150	Tune-up limit(dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	17.10	16.80	16.72	17.5
10	QPSK	1	25	17.02	17.02	16.48	
10	QPSK	1	49	16.98	16.64	16.26	
10	QPSK	25	0	15.99	15.98	15.56	16.5
10	QPSK	25	12	16.14	15.94	15.57	
10	QPSK	25	25	15.98	15.91	15.41	
10	QPSK	50	0	16.23	15.86	15.55	
10	16QAM	1	0	16.17	16.48	15.93	16.5
10	16QAM	1	25	16.30	16.01	15.58	
10	16QAM	1	49	16.26	15.99	15.43	
10	16QAM	25	0	14.95	14.96	14.76	15.5
10	16QAM	25	12	15.13	14.92	14.63	
10	16QAM	25	25	15.08	14.98	14.52	
10	16QAM	50	0	15.04	14.96	14.74	
10	64QAM	1	0	15.35	15.12	14.90	15.5
10	64QAM	1	25	15.41	15.08	15.17	
10	64QAM	1	49	15.38	14.73	14.07	
10	64QAM	25	0	13.91	13.97	13.63	14.5
10	64QAM	25	12	14.18	13.83	13.46	
10	64QAM	25	25	13.98	13.86	13.44	
10	64QAM	50	0	14.08	13.85	13.68	
10	256QAM	1	0	11.97	11.84	11.31	12.5
10	256QAM	1	25	11.95	11.59	11.67	
10	256QAM	1	49	12.04	11.22	10.73	
10	256QAM	25	0	10.50	10.50	10.50	12.5
10	256QAM	25	12	10.87	10.59	10.56	
10	256QAM	25	25	10.62	10.53	10.58	
10	256QAM	50	0	10.72	10.53	10.57	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	16.97	16.86	16.72	17.5
5	QPSK	1	12	17.07	17.02	16.59	
5	QPSK	1	24	16.97	16.63	16.25	
5	QPSK	12	0	15.99	15.90	15.63	16.5
5	QPSK	12	7	16.12	16.07	15.62	
5	QPSK	12	13	16.09	15.83	15.60	
5	QPSK	25	0	16.20	15.91	15.74	
5	16QAM	1	0	16.19	16.50	16.00	16.5
5	16QAM	1	12	16.35	16.01	15.42	
5	16QAM	1	24	16.21	15.96	15.54	
5	16QAM	12	0	15.06	14.97	14.81	15.5
5	16QAM	12	7	15.27	15.00	14.50	
5	16QAM	12	13	15.14	15.05	14.59	
5	16QAM	25	0	15.22	15.09	14.65	
5	64QAM	1	0	15.30	15.16	14.87	15.5
5	64QAM	1	12	15.33	15.10	15.05	
5	64QAM	1	24	15.39	14.78	14.13	
5	64QAM	12	0	13.90	13.98	13.45	14.5
5	64QAM	12	7	14.29	13.95	13.54	
5	64QAM	12	13	13.98	13.90	13.44	
5	64QAM	25	0	14.03	13.98	13.67	
5	256QAM	1	0	11.86	11.88	11.42	12.5
5	256QAM	1	12	11.93	11.67	11.70	
5	256QAM	1	24	12.12	11.38	10.72	
5	256QAM	12	0	10.56	10.53	10.54	12.5
5	256QAM	12	7	10.85	10.50	10.61	
5	256QAM	12	13	10.59	10.51	10.57	
5	256QAM	25	0	10.62	10.51	10.58	
Channel				18615	18900	19185	Tune-up limit



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Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	16.99	16.85	16.56	17.5
3	QPSK	1	8	16.99	17.08	16.56	
3	QPSK	1	14	17.02	16.71	16.35	
3	QPSK	8	0	16.13	15.95	15.57	16.5
3	QPSK	8	4	16.25	15.96	15.69	
3	QPSK	8	7	16.12	15.83	15.46	
3	QPSK	15	0	16.16	16.02	15.57	16.5
3	16QAM	1	0	16.09	16.32	15.98	
3	16QAM	1	8	16.38	15.87	15.58	
3	16QAM	1	14	16.19	16.08	15.50	15.5
3	16QAM	8	0	14.90	14.90	14.84	
3	16QAM	8	4	15.12	14.95	14.51	
3	16QAM	8	7	15.07	14.98	14.57	15.5
3	16QAM	15	0	15.08	14.98	14.71	
3	64QAM	1	0	15.26	15.05	14.83	
3	64QAM	1	8	15.29	15.25	15.15	15.5
3	64QAM	1	14	15.39	14.79	14.21	
3	64QAM	8	0	14.02	14.04	13.54	
3	64QAM	8	4	14.18	13.82	13.52	14.5
3	64QAM	8	7	13.97	13.98	13.56	
3	64QAM	15	0	14.02	14.05	13.66	
3	256QAM	1	0	11.86	11.85	11.39	12.5
3	256QAM	1	8	11.91	11.71	11.69	
3	256QAM	1	14	12.14	11.23	10.88	
3	256QAM	8	0	10.56	10.52	10.57	12.5
3	256QAM	8	4	10.96	10.58	10.51	
3	256QAM	8	7	10.58	10.58	10.51	
3	256QAM	15	0	10.74	10.55	10.51	Tune-up limit (dBm)
Channel				18607	18900	19193	
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	16.95	16.91	16.70	17.5
1.4	QPSK	1	3	16.97	16.93	16.45	
1.4	QPSK	1	5	17.01	16.69	16.32	
1.4	QPSK	3	0	16.06	15.89	15.56	
1.4	QPSK	3	1	16.08	16.00	15.59	
1.4	QPSK	3	3	16.18	15.93	15.54	16.5
1.4	QPSK	6	0	16.10	15.84	15.63	
1.4	16QAM	1	0	16.14	16.50	15.97	
1.4	16QAM	1	3	16.29	16.03	15.40	16.5
1.4	16QAM	1	5	16.18	16.00	15.45	
1.4	16QAM	3	0	14.99	15.03	14.67	
1.4	16QAM	3	1	15.24	15.01	14.64	
1.4	16QAM	3	3	15.16	15.07	14.54	
1.4	16QAM	6	0	15.20	15.00	14.63	15.5
1.4	64QAM	1	0	15.38	15.24	14.90	15.5
1.4	64QAM	1	3	15.25	15.25	15.08	
1.4	64QAM	1	5	15.45	14.79	14.20	
1.4	64QAM	3	0	13.92	13.99	13.57	
1.4	64QAM	3	1	14.11	13.98	13.50	
1.4	64QAM	3	3	14.06	13.89	13.53	14.5
1.4	64QAM	6	0	14.05	13.98	13.66	
1.4	256QAM	1	0	11.96	11.77	11.33	
1.4	256QAM	1	3	11.95	11.76	11.59	12.5
1.4	256QAM	1	5	12.02	11.22	10.70	
1.4	256QAM	3	0	10.57	10.54	10.55	
1.4	256QAM	3	1	10.79	10.61	10.55	
1.4	256QAM	3	3	10.56	10.55	10.54	
1.4	256QAM	6	0	10.62	10.59	10.54	12.5



<LTE Band 2\_Ant 0\_Sensor ON\_NB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	17.22	17.30	17.09	17.5
20	QPSK	1	49	16.78	16.96	16.76	
20	QPSK	1	99	16.93	17.00	16.67	
20	QPSK	50	0	16.95	17.10	16.82	17.5
20	QPSK	50	24	16.90	17.03	16.78	
20	QPSK	50	50	16.74	16.94	16.76	
20	QPSK	100	0	16.89	16.99	16.84	
20	16QAM	1	0	16.82	17.04	16.86	17.5
20	16QAM	1	49	16.84	16.96	16.76	
20	16QAM	1	99	16.68	16.72	16.73	
20	16QAM	50	0	16.74	16.81	16.73	17.5
20	16QAM	50	24	16.78	16.90	16.76	
20	16QAM	50	50	16.73	16.72	16.76	
20	16QAM	100	0	16.65	16.92	16.66	
20	64QAM	1	0	16.68	16.94	16.82	17.5
20	64QAM	1	49	16.87	16.89	16.65	
20	64QAM	1	99	16.62	16.88	16.85	
20	64QAM	50	0	16.73	16.84	16.83	17.5
20	64QAM	50	24	16.71	16.87	16.75	
20	64QAM	50	50	16.78	16.77	16.66	
20	64QAM	100	0	16.72	17.08	16.82	
20	256QAM	1	0	16.67	16.87	16.89	17.5
20	256QAM	1	49	16.75	16.91	16.69	
20	256QAM	1	99	16.66	17.05	16.81	
20	256QAM	50	0	16.81	16.82	16.69	17.5
20	256QAM	50	24	16.75	16.95	16.73	
20	256QAM	50	50	16.68	16.88	16.76	
20	256QAM	100	0	16.74	16.91	16.81	
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	17.14	17.13	17.17	17.5
15	QPSK	1	37	17.11	17.20	17.27	
15	QPSK	1	74	17.08	17.28	17.11	
15	QPSK	36	0	17.21	17.26	17.08	17.5
15	QPSK	36	20	17.14	17.08	17.11	
15	QPSK	36	39	17.12	17.14	17.10	
15	QPSK	75	0	17.21	17.16	17.25	
15	16QAM	1	0	17.25	17.20	17.08	17.5
15	16QAM	1	37	17.20	17.22	17.20	
15	16QAM	1	74	17.23	17.14	17.11	
15	16QAM	36	0	17.14	17.12	17.15	17.5
15	16QAM	36	20	17.16	17.12	17.08	
15	16QAM	36	39	17.15	17.21	17.09	
15	16QAM	75	0	17.25	17.23	17.09	
15	64QAM	1	0	17.23	17.24	17.11	17.5
15	64QAM	1	37	17.11	17.26	17.16	
15	64QAM	1	74	17.22	17.24	17.19	
15	64QAM	36	0	17.18	17.27	17.23	17.5
15	64QAM	36	20	17.26	17.22	17.28	
15	64QAM	36	39	17.08	17.23	17.17	
15	64QAM	75	0	17.13	17.17	17.09	
15	256QAM	1	0	17.26	17.23	17.12	17.5
15	256QAM	1	37	17.25	17.18	17.11	
15	256QAM	1	74	17.10	17.16	17.28	
15	256QAM	36	0	17.14	17.27	17.09	17.5
15	256QAM	36	20	17.19	17.11	17.20	



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15	256QAM	36	39	17.28	17.10	17.26	
15	256QAM	75	0	17.12	17.20	17.17	
Channel				18650	18900	19150	Tune-up limit(dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	17.15	17.21	17.20	17.5
10	QPSK	1	25	17.12	17.10	17.12	
10	QPSK	1	49	17.10	17.09	17.11	
10	QPSK	25	0	17.10	17.26	17.17	17.5
10	QPSK	25	12	17.07	17.09	17.09	
10	QPSK	25	25	17.08	17.22	17.23	
10	QPSK	50	0	17.24	17.07	17.09	
10	16QAM	1	0	17.12	17.19	17.09	
10	16QAM	1	25	17.22	17.23	17.16	17.5
10	16QAM	1	49	17.24	17.07	17.13	
10	16QAM	25	0	17.07	17.07	17.25	17.5
10	16QAM	25	12	17.09	17.18	17.16	
10	16QAM	25	25	17.20	17.16	17.25	
10	16QAM	50	0	17.10	17.15	17.08	
10	64QAM	1	0	17.18	17.22	17.10	
10	64QAM	1	25	17.15	17.19	17.16	17.5
10	64QAM	1	49	17.17	17.23	17.20	
10	64QAM	25	0	17.17	17.07	17.24	
10	64QAM	25	12	17.26	17.13	17.08	17.5
10	64QAM	25	25	17.09	17.07	17.14	
10	64QAM	50	0	17.09	17.21	17.17	
10	256QAM	1	0	17.14	17.16	17.17	
10	256QAM	1	25	17.21	17.14	17.20	
10	256QAM	1	49	17.19	17.11	17.10	17.5
10	256QAM	25	0	17.19	17.23	17.18	
10	256QAM	25	12	17.13	17.24	17.17	
10	256QAM	25	25	17.11	17.12	17.22	
10	256QAM	50	0	17.11	17.21	17.08	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	17.15	17.21	17.20	17.5
5	QPSK	1	12	17.12	17.10	17.12	
5	QPSK	1	24	17.10	17.09	17.11	
5	QPSK	12	0	17.10	17.26	17.17	17.5
5	QPSK	12	7	17.07	17.09	17.09	
5	QPSK	12	13	17.08	17.22	17.23	
5	QPSK	25	0	17.24	17.07	17.09	
5	16QAM	1	0	17.12	17.19	17.09	
5	16QAM	1	12	17.22	17.23	17.16	17.5
5	16QAM	1	24	17.24	17.07	17.13	
5	16QAM	12	0	17.07	17.07	17.25	
5	16QAM	12	7	17.09	17.18	17.16	17.5
5	16QAM	12	13	17.20	17.16	17.25	
5	16QAM	25	0	17.10	17.15	17.08	
5	64QAM	1	0	17.18	17.22	17.10	
5	64QAM	1	12	17.15	17.19	17.16	
5	64QAM	1	24	17.17	17.23	17.20	17.5
5	64QAM	12	0	17.17	17.07	17.24	
5	64QAM	12	7	17.26	17.13	17.08	
5	64QAM	12	13	17.09	17.07	17.14	
5	64QAM	25	0	17.09	17.21	17.17	
5	256QAM	1	0	17.14	17.16	17.17	17.5
5	256QAM	1	12	17.21	17.14	17.20	
5	256QAM	1	24	17.19	17.11	17.10	
5	256QAM	12	0	17.19	17.23	17.18	
5	256QAM	12	7	17.13	17.24	17.17	
5	256QAM	12	13	17.11	17.12	17.22	17.5
5	256QAM	12	0	17.11	17.21	17.08	
Channel				18615	18900	19185	Tune-up limit



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Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	17.15	17.21	17.20	17.5
3	QPSK	1	8	17.12	17.10	17.12	
3	QPSK	1	14	17.10	17.09	17.11	
3	QPSK	8	0	17.10	17.26	17.17	17.5
3	QPSK	8	4	17.07	17.09	17.09	
3	QPSK	8	7	17.08	17.22	17.23	
3	QPSK	15	0	17.24	17.07	17.09	
3	16QAM	1	0	17.12	17.19	17.09	
3	16QAM	1	8	17.22	17.23	17.16	17.5
3	16QAM	1	14	17.24	17.07	17.13	
3	16QAM	8	0	17.07	17.07	17.25	
3	16QAM	8	4	17.09	17.18	17.16	17.5
3	16QAM	8	7	17.20	17.16	17.25	
3	16QAM	15	0	17.10	17.15	17.08	
3	64QAM	1	0	17.18	17.22	17.10	
3	64QAM	1	8	17.15	17.19	17.16	
3	64QAM	1	14	17.17	17.23	17.20	17.5
3	64QAM	8	0	17.17	17.07	17.24	
3	64QAM	8	4	17.26	17.13	17.08	
3	64QAM	8	7	17.09	17.07	17.14	
3	64QAM	15	0	17.09	17.21	17.17	
3	256QAM	1	0	17.14	17.16	17.17	17.5
3	256QAM	1	8	17.21	17.14	17.20	
3	256QAM	1	14	17.19	17.11	17.10	
3	256QAM	8	0	17.19	17.23	17.18	17.5
3	256QAM	8	4	17.13	17.24	17.17	
3	256QAM	8	7	17.11	17.12	17.22	
3	256QAM	15	0	17.11	17.21	17.08	
Channel				18607	18900	19193	
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	17.15	17.21	17.20	17.5
1.4	QPSK	1	3	17.12	17.10	17.12	
1.4	QPSK	1	5	17.10	17.09	17.11	
1.4	QPSK	3	0	17.10	17.26	17.17	
1.4	QPSK	3	1	17.07	17.09	17.09	
1.4	QPSK	3	3	17.08	17.22	17.23	17.5
1.4	QPSK	6	0	17.24	17.07	17.09	
1.4	16QAM	1	0	17.12	17.19	17.09	
1.4	16QAM	1	3	17.22	17.23	17.16	17.5
1.4	16QAM	1	5	17.24	17.07	17.13	
1.4	16QAM	3	0	17.07	17.07	17.25	
1.4	16QAM	3	1	17.09	17.18	17.16	
1.4	16QAM	3	3	17.20	17.16	17.25	
1.4	16QAM	6	0	17.10	17.15	17.08	17.5
1.4	64QAM	1	0	17.18	17.22	17.10	17.5
1.4	64QAM	1	3	17.15	17.19	17.16	
1.4	64QAM	1	5	17.17	17.23	17.20	
1.4	64QAM	3	0	17.17	17.07	17.24	
1.4	64QAM	3	1	17.26	17.13	17.08	
1.4	64QAM	3	3	17.09	17.07	17.14	17.5
1.4	64QAM	6	0	17.09	17.21	17.17	
1.4	256QAM	1	0	17.14	17.16	17.17	
1.4	256QAM	1	3	17.21	17.14	17.20	17.5
1.4	256QAM	1	5	17.19	17.11	17.10	
1.4	256QAM	3	0	17.19	17.23	17.18	
1.4	256QAM	3	1	17.13	17.24	17.17	
1.4	256QAM	3	3	17.11	17.12	17.22	
1.4	256QAM	6	0	17.11	17.21	17.08	17.5



<LTE Band 2\_Ant 0\_Sensor ON\_TB>

Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel	18700	18900	19100	
Frequency (MHz)	1860	1880	1900	
20 QPSK 1 0	15.31	15.47	15.31	15.5
20 QPSK 1 49	15.35	15.32	15.28	
20 QPSK 1 99	15.38	15.23	15.20	
20 QPSK 50 0	14.41	14.44	14.34	14.5
20 QPSK 50 24	14.37	14.22	14.21	
20 QPSK 50 50	14.22	14.34	14.18	
20 QPSK 100 0	14.22	14.35	14.21	14.5
20 16QAM 1 0	14.36	14.29	14.30	
20 16QAM 1 49	14.20	14.32	14.38	
20 16QAM 1 99	14.30	14.27	14.13	13.5
20 16QAM 50 0	13.31	13.37	13.21	
20 16QAM 50 24	13.21	13.40	13.36	
20 16QAM 50 50	13.26	13.35	13.22	13.5
20 16QAM 100 0	13.27	13.26	13.20	
20 64QAM 1 0	13.16	13.29	13.23	
20 64QAM 1 49	13.29	13.24	13.32	12.5
20 64QAM 1 99	13.17	13.22	13.27	
20 64QAM 50 0	12.33	12.42	12.36	
20 64QAM 50 24	12.17	12.25	12.15	10.5
20 64QAM 50 50	12.30	12.19	12.23	
20 64QAM 100 0	12.29	12.26	12.25	
20 256QAM 1 0	10.08	10.24	10.07	10.5
20 256QAM 1 49	10.06	10.15	10.14	
20 256QAM 1 99	10.30	10.09	10.04	
20 256QAM 50 0	10.35	10.42	10.34	10.5
20 256QAM 50 24	10.15	10.20	10.26	
20 256QAM 50 50	10.17	10.24	10.19	
20 256QAM 100 0	10.22	10.34	10.22	
Channel	18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)	1857.5	1880	1902.5	
15 QPSK 1 0	15.37	15.44	15.31	15.5
15 QPSK 1 37	15.38	15.26	15.29	
15 QPSK 1 74	15.35	15.36	15.19	
15 QPSK 36 0	14.37	14.39	14.25	14.5
15 QPSK 36 20	14.42	14.23	14.29	
15 QPSK 36 39	14.17	14.32	14.25	
15 QPSK 75 0	14.31	14.30	14.17	14.5
15 16QAM 1 0	14.26	14.38	14.45	
15 16QAM 1 37	14.18	14.44	14.27	
15 16QAM 1 74	14.24	14.18	14.19	13.5
15 16QAM 36 0	13.29	13.24	13.15	
15 16QAM 36 20	13.33	13.36	13.34	
15 16QAM 36 39	13.38	13.41	13.17	13.5
15 16QAM 75 0	13.35	13.41	13.35	
15 64QAM 1 0	13.24	13.41	13.28	
15 64QAM 1 37	13.11	13.26	13.22	12.5
15 64QAM 1 74	13.23	13.19	13.24	
15 64QAM 36 0	12.33	12.45	12.32	
15 64QAM 36 20	12.33	12.23	12.24	10.5
15 64QAM 36 39	12.21	12.27	12.24	
15 64QAM 75 0	12.19	12.38	12.33	
15 256QAM 1 0	10.16	10.22	10.15	10.5
15 256QAM 1 37	10.13	10.20	10.05	
15 256QAM 1 74	10.27	10.21	10.07	
15 256QAM 36 0	10.22	10.37	10.29	10.5
15 256QAM 36 20	10.20	10.29	10.26	



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15	256QAM	36	39	10.36	10.34	10.18	
15	256QAM	75	0	10.36	10.37	10.17	
Channel				18650	18900	19150	Tune-up limit(dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	15.42	15.43	15.28	15.5
10	QPSK	1	25	15.26	15.35	15.17	
10	QPSK	1	49	15.40	15.29	15.35	
10	QPSK	25	0	14.30	14.32	14.28	14.5
10	QPSK	25	12	14.32	14.27	14.33	
10	QPSK	25	25	14.18	14.34	14.32	
10	QPSK	50	0	14.25	14.33	14.26	
10	16QAM	1	0	14.41	14.43	14.41	14.5
10	16QAM	1	25	14.22	14.39	14.31	
10	16QAM	1	49	14.30	14.37	14.12	
10	16QAM	25	0	13.41	13.29	13.25	13.5
10	16QAM	25	12	13.31	13.33	13.31	
10	16QAM	25	25	13.37	13.40	13.33	
10	16QAM	50	0	13.20	13.27	13.39	
10	64QAM	1	0	13.11	13.43	13.29	13.5
10	64QAM	1	25	13.17	13.26	13.23	
10	64QAM	1	49	13.13	13.25	13.20	
10	64QAM	25	0	12.37	12.33	12.35	12.5
10	64QAM	25	12	12.22	12.34	12.19	
10	64QAM	25	25	12.19	12.32	12.18	
10	64QAM	50	0	12.37	12.24	12.21	
10	256QAM	1	0	10.08	10.32	10.12	10.5
10	256QAM	1	25	10.04	10.20	10.06	
10	256QAM	1	49	10.13	10.27	10.06	
10	256QAM	25	0	10.19	10.37	10.39	10.5
10	256QAM	25	12	10.25	10.31	10.16	
10	256QAM	25	25	10.23	10.33	10.20	
10	256QAM	50	0	10.25	10.30	10.33	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	15.30	15.44	15.31	15.5
5	QPSK	1	12	15.41	15.33	15.24	
5	QPSK	1	24	15.25	15.31	15.24	
5	QPSK	12	0	14.42	14.46	14.29	14.5
5	QPSK	12	7	14.42	14.23	14.24	
5	QPSK	12	13	14.25	14.40	14.17	
5	QPSK	25	0	14.27	14.31	14.18	
5	16QAM	1	0	14.44	14.41	14.33	14.5
5	16QAM	1	12	14.38	14.39	14.37	
5	16QAM	1	24	14.28	14.35	14.22	
5	16QAM	12	0	13.31	13.27	13.32	13.5
5	16QAM	12	7	13.21	13.35	13.31	
5	16QAM	12	13	13.19	13.43	13.29	
5	16QAM	25	0	13.18	13.33	13.29	
5	64QAM	1	0	13.11	13.25	13.22	13.5
5	64QAM	1	12	13.21	13.27	13.33	
5	64QAM	1	24	13.24	13.23	13.15	
5	64QAM	12	0	12.27	12.25	12.35	12.5
5	64QAM	12	7	12.19	12.24	12.23	
5	64QAM	12	13	12.31	12.34	12.20	
5	64QAM	25	0	12.21	12.29	12.32	
5	256QAM	1	0	10.20	10.18	10.12	10.5
5	256QAM	1	12	10.21	10.06	10.07	
5	256QAM	1	24	10.27	10.26	10.13	
5	256QAM	12	0	10.32	10.27	10.29	10.5
5	256QAM	12	7	10.14	10.31	10.18	
5	256QAM	12	13	10.30	10.25	10.16	
5	256QAM	25	0	10.24	10.32	10.19	
Channel				18615	18900	19185	Tune-up limit





**FCC SAR TEST REPORT**

**Report No. : FA3N0927**

Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	15.46	15.34	15.37	15.5
3	QPSK	1	8	15.31	15.39	15.27	
3	QPSK	1	14	15.24	15.19	15.23	
3	QPSK	8	0	14.38	14.37	14.36	14.5
3	QPSK	8	4	14.39	14.25	14.28	
3	QPSK	8	7	14.22	14.40	14.34	
3	QPSK	15	0	14.29	14.33	14.16	
3	16QAM	1	0	14.34	14.33	14.32	14.5
3	16QAM	1	8	14.22	14.32	14.37	
3	16QAM	1	14	14.24	14.24	14.26	
3	16QAM	8	0	13.27	13.42	13.14	13.5
3	16QAM	8	4	13.26	13.38	13.22	
3	16QAM	8	7	13.25	13.26	13.20	
3	16QAM	15	0	13.28	13.38	13.32	
3	64QAM	1	0	13.31	13.28	13.31	13.5
3	64QAM	1	8	13.27	13.19	13.28	
3	64QAM	1	14	13.15	13.21	13.17	
3	64QAM	8	0	12.31	12.45	12.29	12.5
3	64QAM	8	4	12.30	12.33	12.27	
3	64QAM	8	7	12.30	12.39	12.28	
3	64QAM	15	0	12.19	12.20	12.30	
3	256QAM	1	0	10.16	10.29	10.18	10.5
3	256QAM	1	8	10.13	10.13	9.98	
3	256QAM	1	14	10.24	10.13	10.18	
3	256QAM	8	0	10.35	10.34	10.38	10.5
3	256QAM	8	4	10.30	10.20	10.17	
3	256QAM	8	7	10.20	10.19	10.18	
3	256QAM	15	0	10.37	10.27	10.35	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	15.32	15.32	15.21	15.5
1.4	QPSK	1	3	15.33	15.29	15.26	
1.4	QPSK	1	5	15.28	15.18	15.27	
1.4	QPSK	3	0	14.41	14.46	14.32	
1.4	QPSK	3	1	14.40	14.34	14.33	
1.4	QPSK	3	3	14.21	14.26	14.37	14.5
1.4	QPSK	6	0	14.33	14.42	14.24	
1.4	16QAM	1	0	14.26	14.40	14.33	14.5
1.4	16QAM	1	3	14.21	14.24	14.32	
1.4	16QAM	1	5	14.21	14.18	14.19	
1.4	16QAM	3	0	13.35	13.35	13.27	
1.4	16QAM	3	1	13.32	13.42	13.26	
1.4	16QAM	3	3	13.37	13.40	13.30	13.5
1.4	16QAM	6	0	13.25	13.39	13.40	
1.4	64QAM	1	0	13.28	13.41	13.20	
1.4	64QAM	1	3	13.14	13.33	13.16	
1.4	64QAM	1	5	13.15	13.27	13.17	13.5
1.4	64QAM	3	0	12.33	12.34	12.33	
1.4	64QAM	3	1	12.22	12.38	12.27	
1.4	64QAM	3	3	12.29	12.32	12.10	12.5
1.4	64QAM	6	0	12.31	12.28	12.17	
1.4	256QAM	1	0	10.16	10.30	10.10	
1.4	256QAM	1	3	10.07	10.25	9.99	
1.4	256QAM	1	5	10.22	10.14	10.12	
1.4	256QAM	3	0	10.22	10.32	10.24	
1.4	256QAM	3	1	10.31	10.26	10.15	
1.4	256QAM	3	3	10.33	10.27	10.23	
1.4	256QAM	6	0	10.29	10.26	10.21	10.5



<LTE Band 2\_Ant 2\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	15.21	15.40	15.19	15.5
20	QPSK	1	49	15.16	15.33	15.07	
20	QPSK	1	99	15.13	15.30	15.04	
20	QPSK	50	0	15.14	15.31	15.05	15.5
20	QPSK	50	24	15.11	15.28	15.02	
20	QPSK	50	50	15.04	15.21	15.01	
20	QPSK	100	0	15.17	15.34	15.08	15.5
20	16QAM	1	0	15.19	15.33	15.15	
20	16QAM	1	49	15.08	15.31	15.00	
20	16QAM	1	99	15.00	15.12	15.01	15.5
20	16QAM	50	0	15.12	15.18	15.01	
20	16QAM	50	24	15.05	15.17	15.02	
20	16QAM	50	50	15.03	15.04	15.08	15.5
20	16QAM	100	0	15.05	15.16	15.00	
20	64QAM	1	0	15.08	15.32	15.07	
20	64QAM	1	49	15.16	15.24	15.04	15.5
20	64QAM	1	99	15.02	15.15	15.06	
20	64QAM	50	0	15.09	15.16	15.05	
20	64QAM	50	24	15.11	15.22	15.03	15.5
20	64QAM	50	50	15.08	15.10	15.05	
20	64QAM	100	0	15.07	15.28	15.06	
20	256QAM	1	0	15.01	15.26	15.17	15.5
20	256QAM	1	49	15.10	15.29	15.02	
20	256QAM	1	99	15.03	15.27	15.02	
20	256QAM	50	0	15.04	15.11	15.02	15.5
20	256QAM	50	24	15.01	15.16	15.08	
20	256QAM	50	50	15.02	15.12	15.04	
20	256QAM	100	0	15.05	15.20	15.09	
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	15.17	15.38	15.16	15.5
15	QPSK	1	37	15.05	15.21	15.12	
15	QPSK	1	74	15.14	15.38	15.15	
15	QPSK	36	0	15.21	15.35	15.13	15.5
15	QPSK	36	20	15.14	15.25	15.18	
15	QPSK	36	39	15.12	15.28	15.15	
15	QPSK	75	0	15.02	15.38	15.06	15.5
15	16QAM	1	0	15.12	15.30	15.08	
15	16QAM	1	37	15.10	15.19	15.19	
15	16QAM	1	74	15.14	15.35	15.02	15.5
15	16QAM	36	0	15.05	15.35	15.06	
15	16QAM	36	20	15.04	15.33	15.08	
15	16QAM	36	39	15.08	15.33	15.00	15.5
15	16QAM	75	0	15.09	15.19	15.16	
15	64QAM	1	0	15.15	15.39	15.05	
15	64QAM	1	37	15.13	15.28	15.18	15.5
15	64QAM	1	74	15.07	15.39	15.06	
15	64QAM	36	0	15.15	15.29	15.14	
15	64QAM	36	20	15.16	15.22	15.08	15.5
15	64QAM	36	39	15.08	15.35	15.04	
15	64QAM	75	0	15.13	15.33	15.07	
15	256QAM	1	0	15.20	15.32	15.07	15.5
15	256QAM	1	37	15.10	15.34	15.01	
15	256QAM	1	74	15.02	15.33	15.04	
15	256QAM	36	0	15.21	15.38	15.01	15.5
15	256QAM	36	20	15.14	15.19	15.19	



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15	256QAM	36	39	15.13	15.35	15.16	
15	256QAM	75	0	15.19	15.30	15.01	
Channel				18650	18900	19150	Tune-up limit(dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	15.19	15.19	15.02	15.5
10	QPSK	1	25	15.19	15.23	15.09	
10	QPSK	1	49	15.13	15.31	15.17	
10	QPSK	25	0	15.12	15.30	15.07	15.5
10	QPSK	25	12	15.01	15.22	15.09	
10	QPSK	25	25	15.01	15.31	15.05	
10	QPSK	50	0	15.17	15.27	15.01	
10	16QAM	1	0	15.02	15.37	15.09	
10	16QAM	1	25	15.18	15.32	15.09	15.5
10	16QAM	1	49	15.15	15.26	15.17	
10	16QAM	25	0	15.07	15.26	15.12	
10	16QAM	25	12	15.02	15.37	15.18	15.5
10	16QAM	25	25	15.18	15.37	15.13	
10	16QAM	50	0	15.17	15.27	15.17	
10	64QAM	1	0	15.12	15.20	15.11	
10	64QAM	1	25	15.10	15.26	15.09	
10	64QAM	1	49	15.17	15.33	15.14	15.5
10	64QAM	25	0	15.07	15.37	15.13	
10	64QAM	25	12	15.04	15.19	15.17	
10	64QAM	25	25	15.20	15.31	15.18	15.5
10	64QAM	50	0	15.03	15.36	15.01	
10	256QAM	1	0	15.12	15.26	15.06	
10	256QAM	1	25	15.21	15.22	15.01	
10	256QAM	1	49	15.05	15.30	15.02	
10	256QAM	25	0	15.15	15.37	15.18	15.5
10	256QAM	25	12	15.06	15.30	15.10	
10	256QAM	25	25	15.12	15.24	15.01	
10	256QAM	50	0	15.17	15.35	15.15	
Channel				18625	18900	19175	
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	15.02	15.22	15.18	15.5
5	QPSK	1	12	15.10	15.29	15.00	
5	QPSK	1	24	15.10	15.28	15.12	
5	QPSK	12	0	15.03	15.22	15.15	15.5
5	QPSK	12	7	15.15	15.19	15.09	
5	QPSK	12	13	15.05	15.38	15.03	
5	QPSK	25	0	15.13	15.23	15.02	
5	16QAM	1	0	15.20	15.25	15.11	
5	16QAM	1	12	15.01	15.29	15.16	15.5
5	16QAM	1	24	15.10	15.20	15.06	
5	16QAM	12	0	15.14	15.23	15.14	
5	16QAM	12	7	15.15	15.38	15.07	15.5
5	16QAM	12	13	15.14	15.29	15.07	
5	16QAM	25	0	15.13	15.32	15.07	
5	64QAM	1	0	15.02	15.19	15.19	
5	64QAM	1	12	15.04	15.37	15.19	
5	64QAM	1	24	15.05	15.32	15.01	15.5
5	64QAM	12	0	15.13	15.36	15.12	
5	64QAM	12	7	15.21	15.29	15.14	
5	64QAM	12	13	15.08	15.33	15.13	
5	64QAM	25	0	15.17	15.28	15.18	
5	256QAM	1	0	15.20	15.37	15.09	15.5
5	256QAM	1	12	15.05	15.27	15.03	
5	256QAM	1	24	15.15	15.35	15.06	
5	256QAM	12	0	15.14	15.20	15.19	15.5
5	256QAM	12	7	15.06	15.38	15.02	
5	256QAM	12	13	15.05	15.36	15.15	
5	256QAM	12	13	15.05	15.36	15.15	
5	256QAM	25	0	15.19	15.19	15.15	
Channel				18615	18900	19185	Tune-up limit



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Frequency (MHz)				1851.5	1880	1908.5	(dBm)
3	QPSK	1	0	15.11	15.27	15.12	15.5
3	QPSK	1	8	15.06	15.29	15.15	
3	QPSK	1	14	15.03	15.26	15.11	
3	QPSK	8	0	15.18	15.21	15.14	15.5
3	QPSK	8	4	15.19	15.22	15.01	
3	QPSK	8	7	15.04	15.37	15.00	
3	QPSK	15	0	15.02	15.33	15.00	15.5
3	16QAM	1	0	15.11	15.30	15.10	
3	16QAM	1	8	15.04	15.33	15.12	
3	16QAM	1	14	15.14	15.38	15.09	15.5
3	16QAM	8	0	15.01	15.31	15.14	
3	16QAM	8	4	15.12	15.20	15.15	
3	16QAM	8	7	15.02	15.19	15.15	15.5
3	16QAM	15	0	15.11	15.27	15.10	
3	64QAM	1	0	15.12	15.25	15.05	
3	64QAM	1	8	15.18	15.28	15.12	15.5
3	64QAM	1	14	15.12	15.32	15.19	
3	64QAM	8	0	15.20	15.38	15.19	
3	64QAM	8	4	15.15	15.32	15.19	15.5
3	64QAM	8	7	15.05	15.33	15.01	
3	64QAM	15	0	15.09	15.36	15.02	
3	256QAM	1	0	15.17	15.25	15.16	15.5
3	256QAM	1	8	15.15	15.29	15.13	
3	256QAM	1	14	15.14	15.21	15.19	
3	256QAM	8	0	15.12	15.26	15.07	15.5
3	256QAM	8	4	15.13	15.20	15.14	
3	256QAM	8	7	15.17	15.36	15.16	
3	256QAM	15	0	15.04	15.33	15.00	Tune-up limit (dBm)
Channel				18607	18900	19193	
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	15.05	15.32	15.15	15.5
1.4	QPSK	1	3	15.12	15.28	15.16	
1.4	QPSK	1	5	15.19	15.24	15.13	
1.4	QPSK	3	0	15.11	15.36	15.00	15.5
1.4	QPSK	3	1	15.09	15.24	15.04	
1.4	QPSK	3	3	15.01	15.32	15.10	
1.4	QPSK	6	0	15.07	15.36	15.09	15.5
1.4	16QAM	1	0	15.19	15.39	15.04	
1.4	16QAM	1	3	15.01	15.28	15.04	
1.4	16QAM	1	5	15.13	15.28	15.02	15.5
1.4	16QAM	3	0	15.03	15.29	15.09	
1.4	16QAM	3	1	15.02	15.34	15.03	
1.4	16QAM	3	3	15.18	15.36	15.01	15.5
1.4	16QAM	6	0	15.09	15.24	15.03	
1.4	64QAM	1	0	15.08	15.38	15.12	
1.4	64QAM	1	3	15.11	15.32	15.16	15.5
1.4	64QAM	1	5	15.15	15.39	15.08	
1.4	64QAM	3	0	15.16	15.34	15.03	
1.4	64QAM	3	1	15.02	15.20	15.07	15.5
1.4	64QAM	3	3	15.01	15.21	15.17	
1.4	64QAM	6	0	15.09	15.23	15.09	
1.4	256QAM	1	0	15.07	15.24	15.00	15.5
1.4	256QAM	1	3	15.02	15.30	15.03	
1.4	256QAM	1	5	15.13	15.22	15.13	
1.4	256QAM	3	0	15.18	15.31	15.11	15.5
1.4	256QAM	3	1	15.01	15.39	15.02	
1.4	256QAM	3	3	15.21	15.22	15.00	
1.4	256QAM	6	0	15.12	15.37	15.07	15.5



<LTE Band 4\_Ant 0\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	23.00	22.99	23.45	24
20	QPSK	1	49	22.94	23.14	22.99	
20	QPSK	1	99	23.08	22.99	23.07	
20	QPSK	50	0	22.05	22.17	22.20	23
20	QPSK	50	24	22.11	22.11	22.19	
20	QPSK	50	50	22.17	22.15	22.14	
20	QPSK	100	0	22.02	22.11	22.12	23
20	16QAM	1	0	21.98	22.65	22.08	
20	16QAM	1	49	21.84	22.46	21.92	
20	16QAM	1	99	22.43	22.19	21.77	22
20	16QAM	50	0	20.99	21.20	21.26	
20	16QAM	50	24	21.17	21.17	21.06	
20	16QAM	50	50	21.09	21.15	21.14	22
20	16QAM	100	0	21.05	21.14	21.04	
20	64QAM	1	0	21.41	21.43	21.44	
20	64QAM	1	49	21.61	20.99	21.07	22
20	64QAM	1	99	21.10	20.86	21.47	
20	64QAM	50	0	19.97	20.15	20.08	
20	64QAM	50	24	20.11	20.20	20.12	21
20	64QAM	50	50	20.10	20.20	20.12	
20	64QAM	100	0	20.04	20.05	20.15	
20	256QAM	1	0	18.65	18.69	18.68	19
20	256QAM	1	49	18.81	18.24	18.28	
20	256QAM	1	99	18.39	18.14	18.71	
20	256QAM	50	0	17.17	17.40	17.37	19
20	256QAM	50	24	17.32	17.40	17.42	
20	256QAM	50	50	17.33	17.50	17.32	
20	256QAM	100	0	17.34	17.26	17.35	
Channel				20025	20175	20325	
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	22.79	23.24	23.01	24
15	QPSK	1	37	22.89	23.02	22.90	
15	QPSK	1	74	22.99	22.87	23.05	
15	QPSK	36	0	21.93	22.20	22.13	23
15	QPSK	36	20	22.03	22.13	22.14	
15	QPSK	36	39	22.05	22.21	22.10	
15	QPSK	75	0	22.08	22.09	22.19	23
15	16QAM	1	0	22.30	22.38	22.40	
15	16QAM	1	37	22.15	22.37	22.71	
15	16QAM	1	74	22.42	22.28	22.05	22
15	16QAM	36	0	21.07	21.13	21.13	
15	16QAM	36	20	21.10	21.16	21.17	
15	16QAM	36	39	21.07	21.24	21.18	22
15	16QAM	75	0	21.04	21.13	21.23	
15	64QAM	1	0	21.43	21.03	21.47	
15	64QAM	1	37	21.36	21.53	21.07	22
15	64QAM	1	74	21.10	20.93	21.44	
15	64QAM	36	0	19.91	20.05	20.18	
15	64QAM	36	20	20.10	20.17	20.14	21
15	64QAM	36	39	20.06	20.27	20.21	
15	64QAM	75	0	20.04	20.22	20.22	
15	256QAM	1	0	18.66	18.68	18.70	19
15	256QAM	1	37	18.86	18.26	18.28	
15	256QAM	1	74	18.35	18.11	18.75	
15	256QAM	36	0	17.17	17.39	17.30	19



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15	256QAM	36	20	17.38	17.46	17.33	
15	256QAM	36	39	17.40	17.43	17.35	
15	256QAM	75	0	17.30	17.31	17.44	
Channel				20000	20175	20350	Tune-up limit(dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	22.90	22.99	23.35	24
10	QPSK	1	25	22.82	23.13	22.83	
10	QPSK	1	49	22.89	22.83	22.89	
10	QPSK	25	0	21.97	22.06	22.00	23
10	QPSK	25	12	22.00	21.95	22.10	
10	QPSK	25	25	22.10	21.96	22.02	
10	QPSK	50	0	21.89	22.05	22.02	23
10	16QAM	1	0	21.81	22.61	22.00	
10	16QAM	1	25	21.75	22.35	21.84	
10	16QAM	1	49	22.39	22.04	21.76	22
10	16QAM	25	0	20.97	21.02	21.23	
10	16QAM	25	12	21.14	21.08	20.86	
10	16QAM	25	25	21.07	20.99	21.12	22
10	16QAM	50	0	20.90	20.96	21.03	
10	64QAM	1	0	21.23	21.36	21.35	
10	64QAM	1	25	21.54	20.96	21.01	22
10	64QAM	1	49	20.90	20.66	21.30	
10	64QAM	25	0	19.82	20.05	20.02	
10	64QAM	25	12	19.96	20.05	20.10	21
10	64QAM	25	25	20.02	20.06	19.98	
10	64QAM	50	0	19.99	20.05	20.14	
10	256QAM	1	0	18.58	18.62	18.55	19
10	256QAM	1	25	18.64	18.07	18.25	
10	256QAM	1	49	18.26	18.05	18.51	
10	256QAM	25	0	17.22	17.20	17.26	19
10	256QAM	25	12	17.12	17.28	17.36	
10	256QAM	25	25	17.28	17.47	17.23	
10	256QAM	50	0	17.14	17.24	17.38	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	22.99	22.99	23.28	24
5	QPSK	1	12	22.88	23.12	22.99	
5	QPSK	1	24	22.91	22.87	22.96	
5	QPSK	12	0	21.86	21.97	22.06	23
5	QPSK	12	7	21.97	22.00	22.14	
5	QPSK	12	13	22.05	22.02	21.99	
5	QPSK	25	0	21.97	21.91	21.92	23
5	16QAM	1	0	21.82	22.53	21.89	
5	16QAM	1	12	21.78	22.34	21.87	
5	16QAM	1	24	22.29	22.09	21.74	22
5	16QAM	12	0	20.84	21.19	21.17	
5	16QAM	12	7	21.05	21.07	20.89	
5	16QAM	12	13	21.03	21.09	21.04	22
5	16QAM	25	0	20.89	20.98	21.01	
5	64QAM	1	0	21.31	21.35	21.26	
5	64QAM	1	12	21.54	20.98	20.98	22
5	64QAM	1	24	21.03	20.72	21.32	
5	64QAM	12	0	19.91	20.15	20.03	
5	64QAM	12	7	20.00	20.09	20.04	21
5	64QAM	12	13	20.07	20.14	20.09	
5	64QAM	25	0	20.03	19.85	20.08	
5	256QAM	1	0	18.50	18.51	18.53	19
5	256QAM	1	12	18.75	18.20	18.11	
5	256QAM	1	24	18.28	18.11	18.66	
5	256QAM	12	0	17.06	17.37	17.24	19
5	256QAM	12	7	17.25	17.36	17.29	
5	256QAM	12	13	17.17	17.36	17.41	
5	256QAM	25	0	17.32	17.11	17.34	



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Channel				19965	20175	20385	Tune-up limit (dBm)	
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	22.90	22.94	23.34	24	
3	QPSK	1	8	22.84	23.10	22.91		
3	QPSK	1	14	22.92	22.82	23.03		
3	QPSK	8	0	22.04	22.05	22.07	23	
3	QPSK	8	4	22.10	22.01	22.14		
3	QPSK	8	7	22.06	22.14	22.02		
3	QPSK	15	0	21.88	21.97	22.05	23	
3	16QAM	1	0	21.94	22.54	21.88		
3	16QAM	1	8	21.79	22.42	21.89		
3	16QAM	1	14	22.28	21.99	21.59	22	
3	16QAM	8	0	20.84	21.08	21.11		
3	16QAM	8	4	21.03	21.00	20.87		
3	16QAM	8	7	21.06	21.08	20.98	22	
3	16QAM	15	0	20.93	21.02	20.94		
3	64QAM	1	0	21.30	21.43	21.36		
3	64QAM	1	8	21.41	20.83	20.97	22	
3	64QAM	1	14	21.10	20.69	21.34		
3	64QAM	8	0	19.82	20.15	20.04		
3	64QAM	8	4	20.10	20.02	19.94	21	
3	64QAM	8	7	19.94	20.09	19.98		
3	64QAM	15	0	19.86	19.90	19.98		
3	256QAM	1	0	18.60	18.52	18.65	19	
3	256QAM	1	8	18.71	18.06	18.27		
3	256QAM	1	14	18.20	18.06	18.69		
3	256QAM	8	0	17.16	17.24	17.21	19	
3	256QAM	8	4	17.26	17.40	17.28		
3	256QAM	8	7	17.26	17.45	17.36		
3	256QAM	15	0	17.28	17.16	17.34	19	
Channel				19957	20175	20393		Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	23.01	23.28	23.22	24	
1.4	QPSK	1	3	23.15	23.09	23.15		
1.4	QPSK	1	5	23.03	23.37	23.05		
1.4	QPSK	3	0	23.08	23.22	23.16		
1.4	QPSK	3	1	23.08	23.23	23.26		
1.4	QPSK	3	3	23.04	23.21	23.27		
1.4	QPSK	6	0	21.95	22.16	22.24	23	
1.4	16QAM	1	0	22.53	22.68	22.57	23	
1.4	16QAM	1	3	22.33	22.59	22.70		
1.4	16QAM	1	5	22.71	23.00	22.66		
1.4	16QAM	3	0	22.13	22.40	22.40		
1.4	16QAM	3	1	22.17	22.64	22.27		
1.4	16QAM	3	3	22.26	22.48	22.46		
1.4	16QAM	6	0	21.06	21.19	21.29	22	
1.4	64QAM	1	0	20.95	21.14	21.22	22	
1.4	64QAM	1	3	21.57	21.43	21.16		
1.4	64QAM	1	5	21.08	21.75	21.49		
1.4	64QAM	3	0	21.13	21.50	21.33		
1.4	64QAM	3	1	21.10	21.20	21.58		
1.4	64QAM	3	3	21.35	21.53	21.09		
1.4	64QAM	6	0	20.14	20.13	20.37	21	
1.4	256QAM	1	0	18.05	18.24	18.22	19	
1.4	256QAM	1	3	18.58	18.51	18.21		
1.4	256QAM	1	5	18.17	18.79	18.54		
1.4	256QAM	3	0	18.16	18.50	18.38		
1.4	256QAM	3	1	18.12	18.23	18.58		
1.4	256QAM	3	3	18.35	18.57	18.18		
1.4	256QAM	6	0	17.74	17.70	17.87	19	



<LTE Band 4\_Ant 2\_Sensor OFF\_NB/TB>

Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
20050	20175	20300		
1720	1732.5	1745		
20	23.41	23.54	23.50	24
20	23.38	23.52	23.49	
20	23.31	23.49	23.41	
20	22.31	22.49	22.47	23
20	22.29	22.44	22.46	
20	22.21	22.32	22.30	
20	22.44	22.51	22.47	23
20	22.56	22.83	22.49	
20	22.59	22.61	22.50	
20	22.60	22.61	22.56	22
20	21.59	21.82	21.59	
20	21.51	21.64	21.51	
20	21.38	21.67	21.39	22
20	21.51	21.83	21.54	
20	21.64	21.60	21.45	
20	21.49	21.62	21.44	22
20	21.29	21.37	21.32	
20	20.55	20.65	20.48	
20	20.56	20.63	20.46	21
20	20.32	20.48	20.23	
20	20.59	20.67	20.44	
20	18.54	18.65	18.46	19
20	18.40	18.41	18.25	
20	18.28	18.11	18.13	
20	18.45	18.54	18.41	19
20	18.38	18.64	18.51	
20	18.20	18.44	18.19	
20	18.44	18.62	18.46	
20025	20175	20325		
1717.5	1732.5	1747.5		
15	23.22	23.42	23.40	24
15	23.20	23.34	23.32	
15	23.14	23.29	23.37	
15	22.31	22.35	22.39	23
15	22.17	22.40	22.39	
15	22.09	22.14	22.11	
15	22.35	22.40	22.44	23
15	22.40	22.66	22.49	
15	22.57	22.42	22.50	
15	22.45	22.42	22.55	22
15	21.41	21.81	21.44	
15	21.46	21.45	21.31	
15	21.20	21.63	21.37	22
15	21.41	21.83	21.51	
15	21.44	21.57	21.38	
15	21.33	21.60	21.38	22
15	21.27	21.29	21.23	
15	20.55	20.62	20.41	
15	20.48	20.48	20.43	21
15	20.19	20.46	20.05	
15	20.55	20.48	20.29	
15	18.54	18.54	18.32	19
15	18.39	18.38	18.05	
15	18.13	17.99	18.08	
15	18.38	18.41	18.27	19
15	18.19	18.63	18.37	





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15	256QAM	36	39	18.11	18.29	18.14	
15	256QAM	75	0	18.40	18.42	18.39	
Channel				20000	20175	20350	Tune-up limit(dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	23.24	23.41	23.30	24
10	QPSK	1	25	23.18	23.49	23.35	
10	QPSK	1	49	23.26	23.49	23.25	
10	QPSK	25	0	22.15	22.47	22.35	23
10	QPSK	25	12	22.15	22.35	22.39	
10	QPSK	25	25	22.12	22.22	22.13	
10	QPSK	50	0	22.26	22.35	22.37	
10	16QAM	1	0	22.54	22.74	22.47	23
10	16QAM	1	25	22.41	22.58	22.36	
10	16QAM	1	49	22.40	22.50	22.42	22
10	16QAM	25	0	21.52	21.75	21.49	
10	16QAM	25	12	21.46	21.44	21.39	
10	16QAM	25	25	21.22	21.47	21.26	
10	16QAM	50	0	21.51	21.64	21.47	
10	64QAM	1	0	21.53	21.40	21.29	22
10	64QAM	1	25	21.29	21.56	21.44	
10	64QAM	1	49	21.19	21.34	21.31	
10	64QAM	25	0	20.52	20.48	20.33	21
10	64QAM	25	12	20.54	20.60	20.43	
10	64QAM	25	25	20.30	20.37	20.05	
10	64QAM	50	0	20.53	20.50	20.33	
10	256QAM	1	0	18.41	18.52	18.26	19
10	256QAM	1	25	18.38	18.35	18.25	
10	256QAM	1	49	18.23	18.03	18.03	
10	256QAM	25	0	18.28	18.53	18.27	19
10	256QAM	25	12	18.32	18.51	18.37	
10	256QAM	25	25	18.13	18.26	18.09	
10	256QAM	50	0	18.44	18.55	18.31	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	23.24	23.42	23.49	24
5	QPSK	1	12	23.31	23.32	23.43	
5	QPSK	1	24	23.24	23.30	23.34	
5	QPSK	12	0	22.24	22.49	22.45	23
5	QPSK	12	7	22.27	22.30	22.42	
5	QPSK	12	13	22.08	22.30	22.18	
5	QPSK	25	0	22.33	22.39	22.45	
5	16QAM	1	0	22.36	22.70	22.45	23
5	16QAM	1	12	22.39	22.46	22.40	
5	16QAM	1	24	22.58	22.55	22.40	
5	16QAM	12	0	21.59	21.78	21.47	22
5	16QAM	12	7	21.40	21.46	21.38	
5	16QAM	12	13	21.25	21.60	21.25	
5	16QAM	25	0	21.44	21.71	21.48	
5	64QAM	1	0	21.55	21.60	21.27	
5	64QAM	1	12	21.47	21.59	21.35	22
5	64QAM	1	24	21.25	21.32	21.19	
5	64QAM	12	0	20.53	20.50	20.47	21
5	64QAM	12	7	20.36	20.48	20.31	
5	64QAM	12	13	20.19	20.37	20.17	
5	64QAM	25	0	20.56	20.58	20.40	
5	256QAM	1	0	18.51	18.54	18.39	19
5	256QAM	1	12	18.20	18.23	18.10	
5	256QAM	1	24	18.17	17.96	18.09	
5	256QAM	12	0	18.38	18.38	18.33	19
5	256QAM	12	7	18.21	18.58	18.41	
5	256QAM	12	13	18.02	18.40	18.05	
5	256QAM	25	0	18.39	18.57	18.46	
Channel				19965	20175	20385	Tune-up limit



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Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	23.28	23.53	23.30	24
3	QPSK	1	8	23.19	23.42	23.44	
3	QPSK	1	14	23.26	23.36	23.21	
3	QPSK	8	0	22.31	22.45	22.32	23
3	QPSK	8	4	22.14	22.35	22.35	
3	QPSK	8	7	22.20	22.23	22.12	
3	QPSK	15	0	22.44	22.50	22.34	23
3	16QAM	1	0	22.49	22.81	22.29	
3	16QAM	1	8	22.57	22.48	22.49	
3	16QAM	1	14	22.55	22.50	22.45	22
3	16QAM	8	0	21.56	21.64	21.43	
3	16QAM	8	4	21.32	21.52	21.33	
3	16QAM	8	7	21.25	21.53	21.23	22
3	16QAM	15	0	21.38	21.71	21.47	
3	64QAM	1	0	21.59	21.48	21.37	
3	64QAM	1	8	21.38	21.60	21.34	22
3	64QAM	1	14	21.19	21.31	21.20	
3	64QAM	8	0	20.40	20.54	20.29	
3	64QAM	8	4	20.38	20.59	20.43	21
3	64QAM	8	7	20.16	20.38	20.04	
3	64QAM	15	0	20.53	20.65	20.24	
3	256QAM	1	0	18.38	18.65	18.27	19
3	256QAM	1	8	18.23	18.35	18.22	
3	256QAM	1	14	18.24	18.00	17.96	
3	256QAM	8	0	18.44	18.46	18.25	19
3	256QAM	8	4	18.24	18.64	18.47	
3	256QAM	8	7	18.10	18.37	18.16	
3	256QAM	15	0	18.43	18.56	18.28	Tune-up limit (dBm)
Channel				19957	20175	20393	
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	23.37	23.50	23.47	24
1.4	QPSK	1	3	23.24	23.33	23.47	
1.4	QPSK	1	5	23.20	23.44	23.23	
1.4	QPSK	3	0	22.27	22.42	22.43	
1.4	QPSK	3	1	22.09	22.32	22.44	
1.4	QPSK	3	3	22.08	22.28	22.10	23
1.4	QPSK	6	0	22.32	22.50	22.46	
1.4	16QAM	1	0	22.44	22.75	22.36	23
1.4	16QAM	1	3	22.47	22.42	22.37	
1.4	16QAM	1	5	22.48	22.49	22.38	
1.4	16QAM	3	0	21.55	21.62	21.53	
1.4	16QAM	3	1	21.49	21.63	21.41	
1.4	16QAM	3	3	21.31	21.54	21.34	22
1.4	16QAM	6	0	21.40	21.63	21.45	
1.4	64QAM	1	0	21.53	21.51	21.27	22
1.4	64QAM	1	3	21.35	21.57	21.34	
1.4	64QAM	1	5	21.24	21.29	21.26	
1.4	64QAM	3	0	20.54	20.62	20.42	
1.4	64QAM	3	1	20.46	20.43	20.35	
1.4	64QAM	3	3	20.13	20.29	20.22	21
1.4	64QAM	6	0	20.52	20.61	20.35	
1.4	256QAM	1	0	18.44	18.46	18.46	19
1.4	256QAM	1	3	18.28	18.28	18.16	
1.4	256QAM	1	5	18.16	18.06	17.97	
1.4	256QAM	3	0	18.33	18.39	18.37	
1.4	256QAM	3	1	18.18	18.52	18.45	
1.4	256QAM	3	3	18.06	18.42	18.12	19
1.4	256QAM	6	0	18.39	18.43	18.44	



<LTE Band 4\_Ant 0\_Sensor ON\_NB>

Channel	Frequency (MHz)	BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel						20050	20175	20300	20.5
Frequency (MHz)						1720	1732.5	1745	
20	QPSK	1	0	20.05	20.12	20.13			
20	QPSK	1	49	19.90	20.00	20.06	19.5		
20	QPSK	1	99	20.03	19.99	20.02			
20	QPSK	50	0	19.10	19.08	19.15			
20	QPSK	50	24	19.00	19.03	19.10	19.5		
20	QPSK	50	50	19.05	18.99	19.08			
20	QPSK	100	0	19.07	19.07	19.08			
20	16QAM	1	0	19.41	19.36	19.46	19.5		
20	16QAM	1	49	19.45	19.50	19.16			
20	16QAM	1	99	18.81	19.05	19.44			
20	16QAM	50	0	17.90	18.09	17.99	18.5		
20	16QAM	50	24	18.00	18.04	17.97			
20	16QAM	50	50	18.01	18.17	18.15			
20	16QAM	100	0	18.05	18.02	18.13	18.5		
20	64QAM	1	0	18.03	18.17	18.14			
20	64QAM	1	49	17.83	18.43	18.22			
20	64QAM	1	99	18.45	17.96	17.93	17.5		
20	64QAM	50	0	16.94	17.03	16.98			
20	64QAM	50	24	17.03	17.11	17.11			
20	64QAM	50	50	17.03	17.09	17.01	15.5		
20	64QAM	100	0	17.05	17.02	17.07			
20	256QAM	1	0	14.57	14.69	14.64			
20	256QAM	1	49	14.51	14.97	14.77	15.5		
20	256QAM	1	99	15.09	14.59	14.60			
20	256QAM	50	0	13.58	13.58	13.62			
20	256QAM	50	24	13.54	13.65	13.78	15.5		
20	256QAM	50	50	13.63	13.70	13.71			
20	256QAM	100	0	13.56	13.59	13.63			
Channel						20025	20175	20325	20.5
Frequency (MHz)						1717.5	1732.5	1747.5	
15	QPSK	1	0	19.64	20.07	19.93			
15	QPSK	1	37	19.77	19.90	19.99	19.5		
15	QPSK	1	74	19.90	19.84	19.89			
15	QPSK	36	0	18.81	18.86	18.93			
15	QPSK	36	20	18.81	19.00	18.90	19.5		
15	QPSK	36	39	19.00	19.05	18.98			
15	QPSK	75	0	18.93	18.98	18.96			
15	16QAM	1	0	19.38	19.19	19.43	19.5		
15	16QAM	1	37	19.26	19.34	18.99			
15	16QAM	1	74	18.63	18.97	19.36			
15	16QAM	36	0	17.78	17.99	17.84	18.5		
15	16QAM	36	20	17.83	17.88	17.77			
15	16QAM	36	39	17.88	18.05	17.97			
15	16QAM	75	0	17.93	17.95	18.07	18.5		
15	64QAM	1	0	17.97	18.08	17.97			
15	64QAM	1	37	17.71	18.42	18.07			
15	64QAM	1	74	18.30	17.90	17.78	17.5		
15	64QAM	36	0	16.84	16.96	16.80			
15	64QAM	36	20	16.85	16.99	17.10			
15	64QAM	36	39	17.02	17.04	16.95	15.5		
15	64QAM	75	0	16.94	16.87	17.02			
15	256QAM	1	0	14.49	14.60	14.50			
15	256QAM	1	37	14.31	14.89	14.60	15.5		
15	256QAM	1	74	15.00	14.43	14.40			
15	256QAM	36	0	13.58	13.52	13.60			
15	256QAM	36	20	13.59	13.59	13.74	15.5		



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15	256QAM	36	39	13.54	13.63	13.61	
15	256QAM	75	0	13.50	13.58	13.55	
Channel				20000	20175	20350	Tune-up limit(dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	19.61	20.00	19.95	20.5
10	QPSK	1	25	19.71	19.81	19.90	
10	QPSK	1	49	19.95	19.91	19.93	
10	QPSK	25	0	18.89	18.96	19.10	19.5
10	QPSK	25	12	18.82	18.88	18.90	
10	QPSK	25	25	19.07	19.11	19.08	
10	QPSK	50	0	19.05	18.91	18.97	
10	16QAM	1	0	19.25	19.30	19.32	19.5
10	16QAM	1	25	19.41	19.44	19.06	
10	16QAM	1	49	18.67	18.89	19.43	18.5
10	16QAM	25	0	17.85	17.95	17.99	
10	16QAM	25	12	17.80	17.89	17.89	
10	16QAM	25	25	18.00	18.01	18.13	
10	16QAM	50	0	17.94	17.86	18.01	
10	64QAM	1	0	17.95	18.14	18.11	18.5
10	64QAM	1	25	17.83	18.32	18.19	
10	64QAM	1	49	18.30	17.90	17.79	
10	64QAM	25	0	16.86	16.89	16.85	17.5
10	64QAM	25	12	16.88	17.01	17.00	
10	64QAM	25	25	16.94	16.99	16.95	
10	64QAM	50	0	16.95	16.94	17.03	
10	256QAM	1	0	14.50	14.56	14.64	15.5
10	256QAM	1	25	14.46	14.85	14.72	
10	256QAM	1	49	15.08	14.47	14.45	
10	256QAM	25	0	13.58	13.59	13.52	15.5
10	256QAM	25	12	13.55	13.57	13.72	
10	256QAM	25	25	13.57	13.63	13.51	
10	256QAM	50	0	13.52	13.57	13.61	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	19.73	20.10	20.02	20.5
5	QPSK	1	12	19.71	19.84	19.89	
5	QPSK	1	24	20.03	19.83	19.98	
5	QPSK	12	0	18.70	18.93	19.02	19.5
5	QPSK	12	7	18.85	18.93	18.94	
5	QPSK	12	13	19.08	19.09	19.05	
5	QPSK	25	0	18.95	19.03	18.92	
5	16QAM	1	0	19.23	19.23	19.41	19.5
5	16QAM	1	12	19.43	19.37	19.03	
5	16QAM	1	24	18.75	18.98	19.24	
5	16QAM	12	0	17.78	18.08	17.92	18.5
5	16QAM	12	7	17.95	17.98	17.84	
5	16QAM	12	13	17.86	18.15	18.06	
5	16QAM	25	0	18.03	17.98	17.97	
5	64QAM	1	0	17.89	18.16	18.05	18.5
5	64QAM	1	12	17.77	18.36	18.06	
5	64QAM	1	24	18.38	17.94	17.74	
5	64QAM	12	0	16.83	17.03	16.82	17.5
5	64QAM	12	7	16.87	17.09	16.96	
5	64QAM	12	13	16.96	16.99	16.86	
5	64QAM	25	0	16.98	17.00	16.94	
5	256QAM	1	0	14.46	14.57	14.50	15.5
5	256QAM	1	12	14.49	14.77	14.59	
5	256QAM	1	24	14.89	14.54	14.48	
5	256QAM	12	0	13.50	13.59	13.68	15.5
5	256QAM	12	7	13.55	13.58	13.68	
5	256QAM	12	13	13.61	13.57	13.59	
5	256QAM	25	0	13.56	13.54	13.55	
Channel				19965	20175	20385	Tune-up limit



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Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	19.65	20.03	19.96	20.5
3	QPSK	1	8	19.71	19.85	19.86	
3	QPSK	1	14	19.87	19.81	19.96	
3	QPSK	8	0	18.84	18.94	19.02	19.5
3	QPSK	8	4	18.89	18.89	18.95	
3	QPSK	8	7	18.94	19.09	19.05	
3	QPSK	15	0	18.98	18.92	18.93	19.5
3	16QAM	1	0	19.21	19.36	19.26	
3	16QAM	1	8	19.31	19.38	19.15	
3	16QAM	1	14	18.67	19.04	19.30	18.5
3	16QAM	8	0	17.86	17.90	17.79	
3	16QAM	8	4	17.88	17.95	17.92	
3	16QAM	8	7	17.93	18.10	17.95	18.5
3	16QAM	15	0	17.99	17.99	18.02	
3	64QAM	1	0	18.02	17.99	18.00	
3	64QAM	1	8	17.67	18.34	18.04	18.5
3	64QAM	1	14	18.37	17.86	17.81	
3	64QAM	8	0	16.93	16.83	16.88	
3	64QAM	8	4	16.92	16.95	17.05	17.5
3	64QAM	8	7	16.87	17.07	16.99	
3	64QAM	15	0	17.04	17.01	16.99	
3	256QAM	1	0	14.55	14.63	14.64	15.5
3	256QAM	1	8	14.34	14.81	14.75	
3	256QAM	1	14	14.95	14.55	14.42	
3	256QAM	8	0	13.56	13.55	13.56	15.5
3	256QAM	8	4	13.52	13.50	13.71	
3	256QAM	8	7	13.57	13.51	13.53	
3	256QAM	15	0	13.55	13.59	13.55	Tune-up limit (dBm)
Channel				19957	20175	20393	
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	19.63	20.01	19.94	20.5
1.4	QPSK	1	3	19.80	19.83	19.94	
1.4	QPSK	1	5	19.87	19.87	19.86	
1.4	QPSK	3	0	18.74	18.84	19.06	
1.4	QPSK	3	1	18.93	19.07	19.01	
1.4	QPSK	3	3	19.13	19.00	19.06	19.5
1.4	QPSK	6	0	19.01	18.91	19.05	
1.4	16QAM	1	0	19.32	19.20	19.31	
1.4	16QAM	1	3	19.35	19.42	19.15	19.5
1.4	16QAM	1	5	18.68	19.05	19.42	
1.4	16QAM	3	0	17.88	17.94	17.81	
1.4	16QAM	3	1	17.81	17.92	17.90	
1.4	16QAM	3	3	17.96	18.14	18.09	
1.4	16QAM	6	0	17.93	17.90	18.01	18.5
1.4	64QAM	1	0	17.94	18.14	18.12	18.5
1.4	64QAM	1	3	17.76	18.43	18.22	
1.4	64QAM	1	5	18.28	17.77	17.73	
1.4	64QAM	3	0	16.77	17.00	16.85	
1.4	64QAM	3	1	16.86	17.09	16.97	
1.4	64QAM	3	3	16.84	17.01	16.92	17.5
1.4	64QAM	6	0	16.99	16.95	17.03	
1.4	256QAM	1	0	14.53	14.62	14.62	
1.4	256QAM	1	3	14.33	14.79	14.58	15.5
1.4	256QAM	1	5	14.99	14.53	14.54	
1.4	256QAM	3	0	13.52	13.58	13.54	
1.4	256QAM	3	1	13.54	13.58	13.70	
1.4	256QAM	3	3	13.50	13.51	13.58	
1.4	256QAM	6	0	13.51	13.51	13.59	15.5



<LTE Band 4\_Ant 0\_Sensor ON\_NB>

Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
20050	20175	20300		
1720	1732.5	1745		
20	17.70	17.85	17.69	18
20	17.61	17.76	17.75	
20	17.74	17.74	17.74	
20	17.69	17.76	17.68	18
20	17.57	17.74	17.61	
20	17.54	17.70	17.64	
20	17.66	17.80	17.64	18
20	17.74	17.78	17.58	
20	17.52	17.71	17.71	
20	17.58	17.63	17.55	18
20	17.58	17.59	17.44	
20	17.49	17.68	17.64	
20	17.41	17.54	17.52	18
20	17.48	17.62	17.45	
20	17.69	17.80	17.79	
20	17.63	17.72	17.53	18
20	17.65	17.73	17.57	
20	17.55	17.60	17.56	
20	17.65	17.71	17.62	18
20	17.52	17.63	17.58	
20	17.73	17.78	17.65	
20	17.67	17.82	17.67	18
20	17.58	17.69	17.52	
20	17.49	17.65	17.59	
20	17.58	17.76	17.61	18
20	17.68	17.80	17.72	
20	17.54	17.71	17.58	
20	17.61	17.62	17.50	18
20025	20175	20325		
1717.5	1732.5	1747.5		
15	17.50	17.84	17.67	18
15	17.42	17.73	17.73	
15	17.71	17.56	17.54	
15	17.56	17.59	17.44	18
15	17.40	17.62	17.43	
15	17.40	17.65	17.61	
15	17.51	17.79	17.51	18
15	17.59	17.59	17.51	
15	17.38	17.53	17.67	
15	17.49	17.56	17.51	18
15	17.58	17.40	17.35	
15	17.36	17.52	17.64	
15	17.25	17.38	17.36	18
15	17.43	17.46	17.43	
15	17.63	17.70	17.73	
15	17.59	17.59	17.53	18
15	17.49	17.53	17.40	
15	17.36	17.52	17.53	
15	17.48	17.51	17.58	18
15	17.51	17.46	17.38	
15	17.53	17.78	17.55	
15	17.50	17.62	17.65	18
15	17.39	17.61	17.32	
15	17.47	17.60	17.54	
15	17.50	17.61	17.61	18
15	17.48	17.80	17.60	



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15	256QAM	36	39	17.42	17.55	17.49	
15	256QAM	75	0	17.54	17.42	17.47	
Channel				20000	20175	20350	Tune-up limit(dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	17.54	17.73	17.58	18
10	QPSK	1	25	17.46	17.65	17.55	
10	QPSK	1	49	17.69	17.62	17.65	
10	QPSK	25	0	17.66	17.71	17.44	18
10	QPSK	25	12	17.48	17.61	17.49	
10	QPSK	25	25	17.34	17.65	17.57	
10	QPSK	50	0	17.64	17.75	17.47	
10	16QAM	1	0	17.65	17.58	17.54	18
10	16QAM	1	25	17.39	17.68	17.68	
10	16QAM	1	49	17.43	17.57	17.54	18
10	16QAM	25	0	17.55	17.48	17.24	
10	16QAM	25	12	17.39	17.62	17.45	
10	16QAM	25	25	17.40	17.37	17.43	
10	16QAM	50	0	17.32	17.61	17.43	
10	64QAM	1	0	17.58	17.71	17.61	18
10	64QAM	1	25	17.58	17.56	17.33	
10	64QAM	1	49	17.55	17.56	17.51	
10	64QAM	25	0	17.46	17.50	17.47	18
10	64QAM	25	12	17.49	17.59	17.50	
10	64QAM	25	25	17.49	17.44	17.52	
10	64QAM	50	0	17.56	17.67	17.52	
10	256QAM	1	0	17.56	17.82	17.58	18
10	256QAM	1	25	17.48	17.58	17.40	
10	256QAM	1	49	17.46	17.47	17.41	
10	256QAM	25	0	17.45	17.59	17.58	18
10	256QAM	25	12	17.54	17.77	17.55	
10	256QAM	25	25	17.39	17.66	17.47	
10	256QAM	50	0	17.42	17.51	17.40	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	17.51	17.84	17.56	18
5	QPSK	1	12	17.50	17.67	17.64	
5	QPSK	1	24	17.67	17.55	17.64	
5	QPSK	12	0	17.53	17.66	17.41	18
5	QPSK	12	7	17.55	17.58	17.48	
5	QPSK	12	13	17.47	17.59	17.55	
5	QPSK	25	0	17.58	17.71	17.52	
5	16QAM	1	0	17.69	17.71	17.45	18
5	16QAM	1	12	17.41	17.71	17.56	
5	16QAM	1	24	17.56	17.51	17.37	
5	16QAM	12	0	17.52	17.54	17.24	18
5	16QAM	12	7	17.47	17.54	17.64	
5	16QAM	12	13	17.40	17.46	17.44	
5	16QAM	25	0	17.42	17.43	17.30	
5	64QAM	1	0	17.67	17.70	17.75	18
5	64QAM	1	12	17.54	17.54	17.44	
5	64QAM	1	24	17.46	17.63	17.47	
5	64QAM	12	0	17.37	17.41	17.55	18
5	64QAM	12	7	17.61	17.51	17.60	
5	64QAM	12	13	17.47	17.51	17.48	
5	64QAM	25	0	17.68	17.74	17.49	
5	256QAM	1	0	17.56	17.82	17.52	18
5	256QAM	1	12	17.48	17.67	17.33	
5	256QAM	1	24	17.29	17.57	17.42	
5	256QAM	12	0	17.54	17.60	17.43	18
5	256QAM	12	7	17.51	17.73	17.55	
5	256QAM	12	13	17.47	17.63	17.57	
5	256QAM	25	0	17.46	17.44	17.48	
Channel				19965	20175	20385	Tune-up limit



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Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	17.54	17.69	17.49	18
3	QPSK	1	8	17.59	17.58	17.55	
3	QPSK	1	14	17.70	17.56	17.73	
3	QPSK	8	0	17.61	17.64	17.46	18
3	QPSK	8	4	17.38	17.72	17.45	
3	QPSK	8	7	17.38	17.63	17.62	
3	QPSK	15	0	17.47	17.69	17.61	18
3	16QAM	1	0	17.57	17.65	17.51	
3	16QAM	1	8	17.34	17.59	17.55	
3	16QAM	1	14	17.42	17.61	17.52	18
3	16QAM	8	0	17.51	17.40	17.40	
3	16QAM	8	4	17.31	17.60	17.47	
3	16QAM	8	7	17.35	17.41	17.44	18
3	16QAM	15	0	17.34	17.53	17.43	
3	64QAM	1	0	17.59	17.70	17.60	
3	64QAM	1	8	17.52	17.64	17.49	18
3	64QAM	1	14	17.47	17.71	17.48	
3	64QAM	8	0	17.35	17.54	17.38	
3	64QAM	8	4	17.53	17.51	17.46	18
3	64QAM	8	7	17.47	17.59	17.47	
3	64QAM	15	0	17.68	17.65	17.47	
3	256QAM	1	0	17.59	17.74	17.55	18
3	256QAM	1	8	17.43	17.49	17.43	
3	256QAM	1	14	17.32	17.59	17.45	
3	256QAM	8	0	17.56	17.74	17.50	18
3	256QAM	8	4	17.55	17.61	17.65	
3	256QAM	8	7	17.47	17.68	17.46	
3	256QAM	15	0	17.57	17.62	17.38	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	17.63	17.82	17.60	18
1.4	QPSK	1	3	17.52	17.72	17.62	
1.4	QPSK	1	5	17.64	17.56	17.73	
1.4	QPSK	3	0	17.65	17.57	17.39	18
1.4	QPSK	3	1	17.56	17.70	17.46	
1.4	QPSK	3	3	17.46	17.59	17.63	
1.4	QPSK	6	0	17.47	17.74	17.63	18
1.4	16QAM	1	0	17.74	17.75	17.42	18
1.4	16QAM	1	3	17.35	17.51	17.51	
1.4	16QAM	1	5	17.42	17.59	17.55	
1.4	16QAM	3	0	17.57	17.41	17.43	18
1.4	16QAM	3	1	17.46	17.52	17.45	
1.4	16QAM	3	3	17.22	17.54	17.51	
1.4	16QAM	6	0	17.48	17.53	17.35	18
1.4	64QAM	1	0	17.59	17.63	17.61	18
1.4	64QAM	1	3	17.58	17.71	17.42	
1.4	64QAM	1	5	17.55	17.61	17.49	
1.4	64QAM	3	0	17.54	17.41	17.51	18
1.4	64QAM	3	1	17.61	17.51	17.47	
1.4	64QAM	3	3	17.39	17.53	17.44	
1.4	64QAM	6	0	17.63	17.77	17.45	18
1.4	256QAM	1	0	17.58	17.66	17.65	18
1.4	256QAM	1	3	17.54	17.69	17.52	
1.4	256QAM	1	5	17.35	17.57	17.44	
1.4	256QAM	3	0	17.49	17.70	17.42	18
1.4	256QAM	3	1	17.60	17.78	17.60	
1.4	256QAM	3	3	17.43	17.68	17.54	
1.4	256QAM	6	0	17.48	17.49	17.42	18





<LTE Band 4\_Ant 0\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	15.94	15.96	15.84	16
20	QPSK	1	49	15.84	15.89	15.86	
20	QPSK	1	99	15.90	15.90	15.90	
20	QPSK	50	0	14.93	14.94	14.92	15
20	QPSK	50	24	14.92	14.93	14.90	
20	QPSK	50	50	14.80	14.89	14.86	
20	QPSK	100	0	14.80	14.93	14.84	15
20	16QAM	1	0	14.80	14.97	14.88	
20	16QAM	1	49	14.84	14.87	14.95	
20	16QAM	1	99	14.65	14.69	14.63	14
20	16QAM	50	0	13.97	13.97	13.89	
20	16QAM	50	24	13.84	13.86	13.85	
20	16QAM	50	50	13.82	13.83	13.81	14
20	16QAM	100	0	13.86	13.91	13.89	
20	64QAM	1	0	13.82	13.89	13.84	
20	64QAM	1	49	13.87	13.82	13.89	14
20	64QAM	1	99	13.90	13.85	13.92	
20	64QAM	50	0	12.94	12.94	12.88	
20	64QAM	50	24	12.86	12.88	12.80	13
20	64QAM	50	50	12.70	12.86	12.84	
20	64QAM	100	0	12.76	12.92	12.90	
20	256QAM	1	0	10.74	10.89	10.84	11
20	256QAM	1	49	10.88	10.90	10.95	
20	256QAM	1	99	10.90	10.83	10.78	
20	256QAM	50	0	10.77	10.95	10.79	11
20	256QAM	50	24	10.84	10.98	10.78	
20	256QAM	50	50	10.88	10.89	10.80	
20	256QAM	100	0	10.80	10.89	10.74	
Channel				20025	20175	20325	
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	15.84	15.95	15.77	16
15	QPSK	1	37	15.76	15.88	15.85	
15	QPSK	1	74	15.72	15.89	15.85	
15	QPSK	36	0	14.80	14.87	14.85	15
15	QPSK	36	20	14.75	14.84	14.79	
15	QPSK	36	39	14.70	14.81	14.72	
15	QPSK	75	0	14.74	14.90	14.66	15
15	16QAM	1	0	14.66	14.83	14.88	
15	16QAM	1	37	14.81	14.87	14.93	
15	16QAM	1	74	14.64	14.66	14.52	14
15	16QAM	36	0	13.88	13.79	13.70	
15	16QAM	36	20	13.70	13.79	13.73	
15	16QAM	36	39	13.76	13.80	13.64	14
15	16QAM	75	0	13.77	13.72	13.69	
15	64QAM	1	0	13.75	13.88	13.68	
15	64QAM	1	37	13.75	13.77	13.76	14
15	64QAM	1	74	13.77	13.85	13.90	
15	64QAM	36	0	12.84	12.80	12.72	
15	64QAM	36	20	12.85	12.71	12.63	13
15	64QAM	36	39	12.70	12.66	12.71	
15	64QAM	75	0	12.60	12.91	12.79	
15	256QAM	1	0	10.57	10.72	10.83	11
15	256QAM	1	37	10.82	10.89	10.82	
15	256QAM	1	74	10.88	10.71	10.66	
15	256QAM	36	0	10.77	10.76	10.78	11
15	256QAM	36	20	10.78	10.80	10.74	



**FCC SAR TEST REPORT**

**Report No. : FA3N0927**

15	256QAM	36	39	10.86	10.85	10.65	
15	256QAM	75	0	10.66	10.80	10.54	
Channel				20000	20175	20350	Tune-up limit(dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	15.88	15.85	15.65	16
10	QPSK	1	25	15.73	15.88	15.85	
10	QPSK	1	49	15.85	15.77	15.74	
10	QPSK	25	0	14.90	14.90	14.79	15
10	QPSK	25	12	14.85	14.90	14.89	
10	QPSK	25	25	14.60	14.87	14.70	
10	QPSK	50	0	14.76	14.73	14.72	15
10	16QAM	1	0	14.72	14.95	14.68	
10	16QAM	1	25	14.64	14.68	14.75	
10	16QAM	1	49	14.62	14.56	14.49	14
10	16QAM	25	0	13.81	13.84	13.70	
10	16QAM	25	12	13.77	13.72	13.77	
10	16QAM	25	25	13.79	13.76	13.74	14
10	16QAM	50	0	13.78	13.83	13.73	
10	64QAM	1	0	13.70	13.83	13.66	
10	64QAM	1	25	13.82	13.69	13.82	14
10	64QAM	1	49	13.74	13.74	13.85	
10	64QAM	25	0	12.85	12.80	12.74	
10	64QAM	25	12	12.72	12.80	12.66	13
10	64QAM	25	25	12.68	12.72	12.78	
10	64QAM	50	0	12.56	12.87	12.78	
10	256QAM	1	0	10.62	10.81	10.64	11
10	256QAM	1	25	10.81	10.84	10.75	
10	256QAM	1	49	10.83	10.63	10.66	
10	256QAM	25	0	10.59	10.80	10.66	11
10	256QAM	25	12	10.65	10.93	10.64	
10	256QAM	25	25	10.80	10.71	10.68	
10	256QAM	50	0	10.72	10.73	10.67	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	15.93	15.86	15.74	16
5	QPSK	1	12	15.71	15.76	15.84	
5	QPSK	1	24	15.82	15.74	15.80	
5	QPSK	12	0	14.92	14.90	14.84	15
5	QPSK	12	7	14.80	14.84	14.73	
5	QPSK	12	13	14.71	14.79	14.77	
5	QPSK	25	0	14.76	14.87	14.82	15
5	16QAM	1	0	14.65	14.96	14.75	
5	16QAM	1	12	14.73	14.81	14.83	
5	16QAM	1	24	14.45	14.66	14.61	14
5	16QAM	12	0	13.90	13.86	13.70	
5	16QAM	12	7	13.83	13.83	13.83	
5	16QAM	12	13	13.75	13.65	13.61	14
5	16QAM	25	0	13.80	13.91	13.74	
5	64QAM	1	0	13.76	13.86	13.65	
5	64QAM	1	12	13.75	13.64	13.78	14
5	64QAM	1	24	13.71	13.66	13.81	
5	64QAM	12	0	12.79	12.80	12.74	
5	64QAM	12	7	12.77	12.77	12.76	13
5	64QAM	12	13	12.67	12.81	12.70	
5	64QAM	25	0	12.59	12.90	12.78	
5	256QAM	1	0	10.57	10.88	10.84	11
5	256QAM	1	12	10.68	10.71	10.76	
5	256QAM	1	24	10.80	10.64	10.73	
5	256QAM	12	0	10.64	10.88	10.62	11
5	256QAM	12	7	10.82	10.83	10.60	
5	256QAM	12	13	10.68	10.88	10.61	
5	256QAM	25	0	10.74	10.87	10.60	
Channel				19965	20175	20385	Tune-up limit



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Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	15.84	15.92	15.66	16
3	QPSK	1	8	15.84	15.82	15.67	
3	QPSK	1	14	15.81	15.87	15.74	
3	QPSK	8	0	14.73	14.74	14.81	15
3	QPSK	8	4	14.72	14.89	14.86	
3	QPSK	8	7	14.67	14.86	14.79	
3	QPSK	15	0	14.61	14.76	14.71	15
3	16QAM	1	0	14.77	14.79	14.74	
3	16QAM	1	8	14.76	14.72	14.82	
3	16QAM	1	14	14.61	14.64	14.46	14
3	16QAM	8	0	13.90	13.87	13.75	
3	16QAM	8	4	13.66	13.73	13.75	
3	16QAM	8	7	13.70	13.66	13.61	14
3	16QAM	15	0	13.71	13.76	13.78	
3	64QAM	1	0	13.72	13.73	13.83	
3	64QAM	1	8	13.75	13.63	13.72	14
3	64QAM	1	14	13.75	13.79	13.73	
3	64QAM	8	0	12.90	12.81	12.71	
3	64QAM	8	4	12.73	12.87	12.76	13
3	64QAM	8	7	12.53	12.73	12.72	
3	64QAM	15	0	12.60	12.92	12.85	
3	256QAM	1	0	10.55	10.82	10.77	11
3	256QAM	1	8	10.71	10.78	10.91	
3	256QAM	1	14	10.71	10.70	10.58	
3	256QAM	8	0	10.59	10.81	10.76	11
3	256QAM	8	4	10.79	10.88	10.70	
3	256QAM	8	7	10.82	10.81	10.62	
3	256QAM	15	0	10.74	10.69	10.56	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	15.84	15.87	15.72	16
1.4	QPSK	1	3	15.72	15.69	15.75	
1.4	QPSK	1	5	15.74	15.90	15.77	
1.4	QPSK	3	0	14.81	14.81	14.75	15
1.4	QPSK	3	1	14.90	14.78	14.90	
1.4	QPSK	3	3	14.66	14.80	14.82	
1.4	QPSK	6	0	14.77	14.82	14.81	15
1.4	16QAM	1	0	14.72	14.77	14.88	
1.4	16QAM	1	3	14.66	14.70	14.92	
1.4	16QAM	1	5	14.63	14.54	14.55	14
1.4	16QAM	3	0	13.93	13.83	13.73	
1.4	16QAM	3	1	13.75	13.71	13.76	
1.4	16QAM	3	3	13.74	13.80	13.62	14
1.4	16QAM	6	0	13.71	13.90	13.71	
1.4	64QAM	1	0	13.76	13.84	13.64	
1.4	64QAM	1	3	13.69	13.67	13.71	14
1.4	64QAM	1	5	13.80	13.77	13.89	
1.4	64QAM	3	0	12.76	12.89	12.73	
1.4	64QAM	3	1	12.81	12.69	12.68	13
1.4	64QAM	3	3	12.52	12.86	12.70	
1.4	64QAM	6	0	12.59	12.72	12.77	
1.4	256QAM	1	0	10.62	10.83	10.67	11
1.4	256QAM	1	3	10.86	10.70	10.92	
1.4	256QAM	1	5	10.71	10.67	10.61	
1.4	256QAM	3	0	10.71	10.86	10.60	11
1.4	256QAM	3	1	10.78	10.96	10.73	
1.4	256QAM	3	3	10.74	10.69	10.73	
1.4	256QAM	6	0	10.80	10.70	10.74	11



<LTE Band 4\_Ant 2\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	15.80	15.95	15.79	16
20	QPSK	1	49	15.71	15.86	15.85	
20	QPSK	1	99	15.84	15.84	15.84	
20	QPSK	50	0	15.79	15.86	15.78	16
20	QPSK	50	24	15.67	15.84	15.71	
20	QPSK	50	50	15.64	15.80	15.74	
20	QPSK	100	0	15.76	15.90	15.74	16
20	16QAM	1	0	15.84	15.88	15.68	
20	16QAM	1	49	15.62	15.81	15.81	
20	16QAM	1	99	15.68	15.73	15.65	16
20	16QAM	50	0	15.68	15.69	15.54	
20	16QAM	50	24	15.59	15.78	15.74	
20	16QAM	50	50	15.51	15.64	15.62	16
20	16QAM	100	0	15.58	15.72	15.55	
20	64QAM	1	0	15.79	15.90	15.89	
20	64QAM	1	49	15.73	15.82	15.63	16
20	64QAM	1	99	15.75	15.83	15.67	
20	64QAM	50	0	15.65	15.70	15.66	
20	64QAM	50	24	15.75	15.81	15.72	16
20	64QAM	50	50	15.62	15.73	15.68	
20	64QAM	100	0	15.83	15.88	15.75	
20	256QAM	1	0	15.77	15.80	15.77	16
20	256QAM	1	49	15.68	15.79	15.62	
20	256QAM	1	99	15.59	15.75	15.69	
20	256QAM	50	0	15.68	15.86	15.71	16
20	256QAM	50	24	15.78	15.90	15.82	
20	256QAM	50	50	15.64	15.81	15.68	
20	256QAM	100	0	15.71	15.72	15.60	
Channel				20025	20175	20325	
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	15.76	15.86	15.60	16
15	QPSK	1	37	15.56	15.73	15.72	
15	QPSK	1	74	15.68	15.69	15.64	
15	QPSK	36	0	15.71	15.76	15.49	16
15	QPSK	36	20	15.61	15.66	15.68	
15	QPSK	36	39	15.62	15.63	15.63	
15	QPSK	75	0	15.62	15.86	15.70	16
15	16QAM	1	0	15.74	15.87	15.68	
15	16QAM	1	37	15.56	15.78	15.76	
15	16QAM	1	74	15.57	15.56	15.62	16
15	16QAM	36	0	15.52	15.61	15.44	
15	16QAM	36	20	15.44	15.75	15.66	
15	16QAM	36	39	15.48	15.58	15.60	16
15	16QAM	75	0	15.58	15.62	15.49	
15	64QAM	1	0	15.64	15.86	15.83	
15	64QAM	1	37	15.72	15.64	15.59	16
15	64QAM	1	74	15.60	15.69	15.66	
15	64QAM	36	0	15.52	15.53	15.50	
15	64QAM	36	20	15.71	15.81	15.53	16
15	64QAM	36	39	15.56	15.55	15.64	
15	64QAM	75	0	15.71	15.76	15.75	
15	256QAM	1	0	15.69	15.65	15.63	16
15	256QAM	1	37	15.56	15.75	15.42	
15	256QAM	1	74	15.48	15.69	15.68	
15	256QAM	36	0	15.66	15.74	15.51	16
15	256QAM	36	20	15.64	15.85	15.69	



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15	256QAM	36	39	15.48	15.72	15.50	
15	256QAM	75	0	15.56	15.60	15.58	
Channel				20000	20175	20350	Tune-up limit(dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	15.78	15.87	15.72	16
10	QPSK	1	25	15.61	15.74	15.83	
10	QPSK	1	49	15.76	15.82	15.76	
10	QPSK	25	0	15.74	15.86	15.58	16
10	QPSK	25	12	15.53	15.71	15.56	
10	QPSK	25	25	15.46	15.62	15.71	
10	QPSK	50	0	15.75	15.89	15.54	
10	16QAM	1	0	15.73	15.83	15.63	16
10	16QAM	1	25	15.47	15.68	15.67	
10	16QAM	1	49	15.60	15.64	15.63	
10	16QAM	25	0	15.68	15.51	15.36	16
10	16QAM	25	12	15.44	15.66	15.64	
10	16QAM	25	25	15.43	15.49	15.62	
10	16QAM	50	0	15.57	15.63	15.44	
10	64QAM	1	0	15.78	15.78	15.69	16
10	64QAM	1	25	15.66	15.63	15.58	
10	64QAM	1	49	15.74	15.72	15.66	
10	64QAM	25	0	15.53	15.70	15.61	16
10	64QAM	25	12	15.73	15.73	15.53	
10	64QAM	25	25	15.44	15.67	15.50	
10	64QAM	50	0	15.65	15.88	15.58	
10	256QAM	1	0	15.58	15.61	15.72	16
10	256QAM	1	25	15.53	15.75	15.48	
10	256QAM	1	49	15.48	15.56	15.49	
10	256QAM	25	0	15.50	15.73	15.71	16
10	256QAM	25	12	15.69	15.82	15.71	
10	256QAM	25	25	15.59	15.72	15.61	
10	256QAM	50	0	15.53	15.64	15.47	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	15.80	15.76	15.67	16
5	QPSK	1	12	15.51	15.69	15.65	
5	QPSK	1	24	15.67	15.71	15.68	
5	QPSK	12	0	15.70	15.77	15.62	16
5	QPSK	12	7	15.55	15.69	15.58	
5	QPSK	12	13	15.46	15.60	15.58	
5	QPSK	25	0	15.57	15.90	15.58	
5	16QAM	1	0	15.69	15.71	15.53	16
5	16QAM	1	12	15.49	15.79	15.77	
5	16QAM	1	24	15.52	15.67	15.56	
5	16QAM	12	0	15.63	15.63	15.40	16
5	16QAM	12	7	15.58	15.65	15.56	
5	16QAM	12	13	15.40	15.59	15.62	
5	16QAM	25	0	15.51	15.68	15.43	
5	64QAM	1	0	15.61	15.82	15.71	16
5	64QAM	1	12	15.54	15.65	15.52	
5	64QAM	1	24	15.61	15.78	15.63	
5	64QAM	12	0	15.55	15.50	15.52	16
5	64QAM	12	7	15.62	15.71	15.70	
5	64QAM	12	13	15.49	15.54	15.51	
5	64QAM	25	0	15.76	15.75	15.65	
5	256QAM	1	0	15.63	15.60	15.67	16
5	256QAM	1	12	15.65	15.76	15.58	
5	256QAM	1	24	15.55	15.70	15.64	
5	256QAM	12	0	15.67	15.77	15.56	16
5	256QAM	12	7	15.76	15.87	15.65	
5	256QAM	12	13	15.60	15.71	15.64	
5	256QAM	25	0	15.64	15.61	15.53	
Channel				19965	20175	20385	Tune-up limit



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Frequency (MHz)				1711.5	1732.5	1753.5	(dBm)
3	QPSK	1	0	15.62	15.87	15.61	16
3	QPSK	1	8	15.56	15.70	15.68	
3	QPSK	1	14	15.69	15.76	15.81	
3	QPSK	8	0	15.59	15.69	15.63	16
3	QPSK	8	4	15.51	15.79	15.53	
3	QPSK	8	7	15.60	15.71	15.67	
3	QPSK	15	0	15.75	15.82	15.70	16
3	16QAM	1	0	15.76	15.85	15.63	
3	16QAM	1	8	15.59	15.71	15.64	
3	16QAM	1	14	15.58	15.72	15.49	16
3	16QAM	8	0	15.61	15.56	15.38	
3	16QAM	8	4	15.42	15.58	15.71	
3	16QAM	8	7	15.51	15.60	15.58	16
3	16QAM	15	0	15.56	15.60	15.40	
3	64QAM	1	0	15.60	15.79	15.84	
3	64QAM	1	8	15.66	15.72	15.45	16
3	64QAM	1	14	15.72	15.80	15.63	
3	64QAM	8	0	15.56	15.65	15.61	
3	64QAM	8	4	15.75	15.70	15.54	16
3	64QAM	8	7	15.50	15.62	15.63	
3	64QAM	15	0	15.65	15.82	15.65	
3	256QAM	1	0	15.69	15.62	15.58	16
3	256QAM	1	8	15.50	15.74	15.48	
3	256QAM	1	14	15.49	15.61	15.64	
3	256QAM	8	0	15.67	15.70	15.54	16
3	256QAM	8	4	15.68	15.81	15.79	
3	256QAM	8	7	15.48	15.64	15.54	
3	256QAM	15	0	15.62	15.61	15.51	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	15.80	15.83	15.59	16
1.4	QPSK	1	3	15.52	15.82	15.73	
1.4	QPSK	1	5	15.64	15.77	15.83	
1.4	QPSK	3	0	15.72	15.75	15.62	
1.4	QPSK	3	1	15.59	15.76	15.59	
1.4	QPSK	3	3	15.45	15.65	15.64	16
1.4	QPSK	6	0	15.71	15.77	15.65	
1.4	16QAM	1	0	15.72	15.68	15.49	16
1.4	16QAM	1	3	15.58	15.66	15.78	
1.4	16QAM	1	5	15.57	15.60	15.45	
1.4	16QAM	3	0	15.50	15.53	15.54	
1.4	16QAM	3	1	15.56	15.63	15.54	
1.4	16QAM	3	3	15.31	15.45	15.57	16
1.4	16QAM	6	0	15.39	15.55	15.48	
1.4	64QAM	1	0	15.72	15.85	15.78	16
1.4	64QAM	1	3	15.69	15.67	15.50	
1.4	64QAM	1	5	15.60	15.76	15.50	
1.4	64QAM	3	0	15.65	15.60	15.55	
1.4	64QAM	3	1	15.66	15.64	15.60	
1.4	64QAM	3	3	15.48	15.70	15.49	16
1.4	64QAM	6	0	15.74	15.79	15.56	
1.4	256QAM	1	0	15.68	15.79	15.75	16
1.4	256QAM	1	3	15.63	15.62	15.46	
1.4	256QAM	1	5	15.56	15.55	15.67	
1.4	256QAM	3	0	15.62	15.78	15.55	
1.4	256QAM	3	1	15.70	15.84	15.65	
1.4	256QAM	3	3	15.61	15.74	15.67	16
1.4	256QAM	6	0	15.58	15.65	15.59	

<LTE Band 5\_Ant 0\_Sensor OFF\_NB/TB>



# FCC SAR TEST REPORT

Report No. : FA3N0927

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20450	20525	20600	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	23.53	23.65	23.35	24.5
10	QPSK	1	25	23.63	23.41	23.34	
10	QPSK	1	49	23.55	23.56	23.42	
10	QPSK	25	0	22.55	22.74	22.51	23.5
10	QPSK	25	12	22.63	22.49	22.53	
10	QPSK	25	25	22.57	22.39	22.49	
10	QPSK	50	0	22.49	22.63	22.55	
10	16QAM	1	0	23.14	22.86	22.71	23.5
10	16QAM	1	25	23.43	22.73	22.78	
10	16QAM	1	49	22.67	22.85	22.92	
10	16QAM	25	0	21.65	21.57	21.47	22.5
10	16QAM	25	12	21.67	21.53	21.67	
10	16QAM	25	25	21.62	21.50	21.44	
10	16QAM	50	0	21.68	21.51	21.48	
10	64QAM	1	0	21.79	21.93	21.97	22.5
10	64QAM	1	25	21.70	21.53	22.14	
10	64QAM	1	49	21.73	21.49	21.55	
10	64QAM	25	0	20.81	20.54	20.49	21.5
10	64QAM	25	12	20.66	20.62	20.58	
10	64QAM	25	25	20.54	20.39	20.47	
10	64QAM	50	0	20.65	20.50	20.56	
10	256QAM	1	0	19.09	19.14	19.19	19.5
10	256QAM	1	25	18.95	18.79	19.41	
10	256QAM	1	49	18.96	18.78	18.78	
10	256QAM	25	0	18.32	18.07	18.03	19.5
10	256QAM	25	12	18.16	18.19	18.14	
10	256QAM	25	25	18.09	17.99	18.05	
10	256QAM	50	0	18.18	18.08	18.07	
Channel				20425	20525	20625	
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	23.64	23.41	23.26	24.5
5	QPSK	1	12	23.55	23.23	23.30	
5	QPSK	1	24	23.43	23.40	23.35	
5	QPSK	12	0	22.65	22.53	22.41	23.5
5	QPSK	12	7	22.45	22.35	22.45	
5	QPSK	12	13	22.57	22.29	22.38	
5	QPSK	25	0	22.56	22.47	22.39	
5	16QAM	1	0	22.95	22.75	22.56	23.5
5	16QAM	1	12	23.42	22.66	22.62	
5	16QAM	1	24	22.58	22.75	22.80	
5	16QAM	12	0	21.65	21.56	21.36	22.5
5	16QAM	12	7	21.50	21.42	21.58	
5	16QAM	12	13	21.56	21.34	21.33	
5	16QAM	25	0	21.66	21.42	21.29	
5	64QAM	1	0	21.68	21.73	21.81	22.5
5	64QAM	1	12	21.51	21.37	21.96	
5	64QAM	1	24	21.65	21.42	21.46	
5	64QAM	12	0	20.65	20.52	20.41	21.5
5	64QAM	12	7	20.53	20.61	20.46	
5	64QAM	12	13	20.48	20.21	20.36	
5	64QAM	25	0	20.56	20.35	20.40	
5	256QAM	1	0	19.01	18.99	19.10	19.5
5	256QAM	1	12	18.79	18.77	19.37	
5	256QAM	1	24	18.96	18.76	18.65	
5	256QAM	12	0	18.29	17.97	18.00	19.5
5	256QAM	12	7	18.10	18.12	17.96	
5	256QAM	12	13	18.04	17.95	18.00	
5	256QAM	25	0	17.98	18.06	18.07	



**FCC SAR TEST REPORT**

**Report No. : FA3N0927**

Channel				20415	20525	20635	Tune-up limit(dBm)	
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	23.61	23.44	23.29	24.5	
3	QPSK	1	8	23.58	23.31	23.16		
3	QPSK	1	14	23.35	23.46	23.34		
3	QPSK	8	0	22.56	22.48	22.47	23.5	
3	QPSK	8	4	22.49	22.40	22.47		
3	QPSK	8	7	22.44	22.33	22.44		
3	QPSK	15	0	22.48	22.35	22.48	23.5	
3	16QAM	1	0	22.97	22.85	22.68		
3	16QAM	1	8	23.32	22.70	22.69		
3	16QAM	1	14	22.60	22.81	22.74	22.5	
3	16QAM	8	0	21.65	21.53	21.40		
3	16QAM	8	4	21.60	21.48	21.47		
3	16QAM	8	7	21.58	21.30	21.36	22.5	
3	16QAM	15	0	21.56	21.35	21.36		
3	64QAM	1	0	21.75	21.83	21.83		
3	64QAM	1	8	21.67	21.52	22.11	22.5	
3	64QAM	1	14	21.70	21.41	21.52		
3	64QAM	8	0	20.64	20.47	20.42		
3	64QAM	8	4	20.55	20.42	20.47	21.5	
3	64QAM	8	7	20.36	20.38	20.45		
3	64QAM	15	0	20.49	20.38	20.39		
3	256QAM	1	0	19.01	19.05	19.09	19.5	
3	256QAM	1	8	18.83	18.70	19.23		
3	256QAM	1	14	18.88	18.60	18.73		
3	256QAM	8	0	18.13	18.07	18.03	19.5	
3	256QAM	8	4	17.96	18.03	18.05		
3	256QAM	8	7	17.89	17.80	18.07		
3	256QAM	15	0	18.12	17.91	18.09	19.5	
Channel				20407	20525	20643		Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	23.42	23.50	23.46	24.5	
1.4	QPSK	1	3	23.49	23.47	23.42		
1.4	QPSK	1	5	23.59	23.54	23.24		
1.4	QPSK	3	0	23.21	23.37	23.48	23.5	
1.4	QPSK	3	1	23.47	23.35	23.49		
1.4	QPSK	3	3	23.54	23.41	23.42		
1.4	QPSK	6	0	22.56	22.51	22.48	23.5	
1.4	16QAM	1	0	23.19	23.02	23.08		
1.4	16QAM	1	3	23.09	23.11	23.02		
1.4	16QAM	1	5	23.17	22.62	22.94	23.5	
1.4	16QAM	3	0	22.67	22.57	22.74		
1.4	16QAM	3	1	22.80	22.61	22.92		
1.4	16QAM	3	3	22.63	22.67	22.56	22.5	
1.4	16QAM	6	0	21.87	21.33	21.43		
1.4	64QAM	1	0	21.53	21.58	21.74		
1.4	64QAM	1	3	21.91	22.44	21.52	22.5	
1.4	64QAM	1	5	21.85	22.00	21.89		
1.4	64QAM	3	0	21.92	21.70	21.58		
1.4	64QAM	3	1	21.69	21.36	21.81	21.5	
1.4	64QAM	3	3	21.93	21.66	21.51		
1.4	64QAM	6	0	20.72	20.31	20.46		
1.4	256QAM	1	0	18.55	18.63	18.79	19.5	
1.4	256QAM	1	3	18.99	19.45	18.58		
1.4	256QAM	1	5	18.85	19.03	18.93		
1.4	256QAM	3	0	18.92	18.73	18.65	19.5	
1.4	256QAM	3	1	18.72	18.46	18.86		
1.4	256QAM	3	3	18.99	18.69	18.52		
1.4	256QAM	6	0	18.23	17.90	17.97	19.5	





<LTE Band 5\_Ant 0\_Sensor ON\_NB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20450	20525	20600	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	22.09	22.17	21.98	22.5
10	QPSK	1	25	21.98	21.99	21.95	
10	QPSK	1	49	22.08	21.99	21.95	
10	QPSK	25	0	21.12	21.20	20.98	21.5
10	QPSK	25	12	21.10	21.02	20.92	
10	QPSK	25	25	21.02	20.95	21.04	
10	QPSK	50	0	21.01	21.17	21.04	
10	16QAM	1	0	21.32	21.34	21.44	21.5
10	16QAM	1	25	21.41	21.41	21.39	
10	16QAM	1	49	21.30	21.50	21.37	
10	16QAM	25	0	20.20	19.99	19.98	20.5
10	16QAM	25	12	20.18	20.13	20.01	
10	16QAM	25	25	20.17	19.95	19.99	
10	16QAM	50	0	20.14	20.01	20.01	
10	64QAM	1	0	20.42	20.31	20.05	20.5
10	64QAM	1	25	20.49	20.22	20.22	
10	64QAM	1	49	20.35	20.20	20.21	
10	64QAM	25	0	19.44	19.12	19.03	19.5
10	64QAM	25	12	19.22	19.02	19.10	
10	64QAM	25	25	19.32	18.93	19.06	
10	64QAM	50	0	19.31	19.00	19.10	
10	256QAM	1	0	16.95	16.87	16.71	17.5
10	256QAM	1	25	17.16	16.77	16.86	
10	256QAM	1	49	16.90	16.81	16.87	
10	256QAM	25	0	17.08	16.81	16.65	17.5
10	256QAM	25	12	17.11	16.76	16.90	
10	256QAM	25	25	17.04	16.90	16.84	
10	256QAM	50	0	17.11	16.94	16.58	
Channel				20425	20525	20625	
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	22.16	22.07	21.61	22.5
5	QPSK	1	12	21.93	21.90	21.76	
5	QPSK	1	24	22.00	21.97	21.78	
5	QPSK	12	0	21.11	20.96	20.80	21.5
5	QPSK	12	7	21.14	20.93	20.91	
5	QPSK	12	13	20.91	20.95	20.96	
5	QPSK	25	0	21.05	20.91	20.84	
5	16QAM	1	0	21.18	21.29	21.41	21.5
5	16QAM	1	12	21.22	21.35	21.22	
5	16QAM	1	24	21.24	21.35	21.23	
5	16QAM	12	0	20.12	19.96	19.79	20.5
5	16QAM	12	7	20.01	20.05	19.91	
5	16QAM	12	13	20.09	19.84	19.87	
5	16QAM	25	0	20.13	20.01	19.86	
5	64QAM	1	0	20.27	20.31	19.94	20.5
5	64QAM	1	12	20.45	20.14	20.22	
5	64QAM	1	24	20.17	20.11	20.18	
5	64QAM	12	0	19.39	18.97	18.96	19.5
5	64QAM	12	7	19.04	18.97	18.98	
5	64QAM	12	13	19.28	18.89	18.92	
5	64QAM	25	0	19.11	18.90	19.10	
5	256QAM	1	0	16.77	16.77	16.61	17.5
5	256QAM	1	12	17.10	16.70	16.82	
5	256QAM	1	24	16.82	16.68	16.75	
5	256QAM	12	0	17.05	16.65	16.56	17.5



**FCC SAR TEST REPORT**

**Report No. : FA3N0927**

5	256QAM	12	7	17.00	16.73	16.82	
5	256QAM	12	13	17.04	16.75	16.64	
5	256QAM	25	0	16.91	16.78	16.40	
Channel				20415	20525	20635	Tune-up limit(dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	22.04	21.94	21.69	22.5
3	QPSK	1	8	21.85	21.98	21.78	
3	QPSK	1	14	21.91	21.98	21.76	
3	QPSK	8	0	21.09	20.83	20.73	21.5
3	QPSK	8	4	21.05	20.94	20.82	
3	QPSK	8	7	20.99	20.86	21.01	
3	QPSK	15	0	21.01	20.98	20.98	21.5
3	16QAM	1	0	21.18	21.22	21.43	
3	16QAM	1	8	21.40	21.41	21.23	
3	16QAM	1	14	21.14	21.33	21.23	20.5
3	16QAM	8	0	20.14	19.93	19.82	
3	16QAM	8	4	20.03	20.10	19.91	
3	16QAM	8	7	20.12	19.81	19.83	20.5
3	16QAM	15	0	19.98	19.96	19.82	
3	64QAM	1	0	20.33	20.22	19.91	
3	64QAM	1	8	20.43	20.19	20.02	20.5
3	64QAM	1	14	20.28	20.09	20.12	
3	64QAM	8	0	19.34	19.00	18.87	
3	64QAM	8	4	19.21	18.94	19.06	19.5
3	64QAM	8	7	19.15	18.76	18.89	
3	64QAM	15	0	19.25	18.95	18.99	
3	256QAM	1	0	16.77	16.74	16.57	17.5
3	256QAM	1	8	16.97	16.67	16.71	
3	256QAM	1	14	16.89	16.67	16.76	
3	256QAM	8	0	17.07	16.66	16.57	17.5
3	256QAM	8	4	17.11	16.67	16.79	
3	256QAM	8	7	16.88	16.81	16.80	
3	256QAM	15	0	16.99	16.89	16.52	
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	22.08	21.98	21.68	22.5
1.4	QPSK	1	3	21.89	21.80	21.86	
1.4	QPSK	1	5	22.09	21.85	21.81	
1.4	QPSK	3	0	20.99	20.93	20.81	21.5
1.4	QPSK	3	1	21.05	20.91	20.98	
1.4	QPSK	3	3	21.00	20.85	21.04	
1.4	QPSK	6	0	21.15	20.84	20.89	21.5
1.4	16QAM	1	0	21.19	21.17	21.37	
1.4	16QAM	1	3	21.35	21.28	21.32	
1.4	16QAM	1	5	21.20	21.39	21.37	21.5
1.4	16QAM	3	0	20.05	19.99	19.89	
1.4	16QAM	3	1	20.04	20.00	19.87	
1.4	16QAM	3	3	20.14	19.83	19.98	20.5
1.4	16QAM	6	0	20.03	19.86	19.83	
1.4	64QAM	1	0	20.28	20.20	19.92	
1.4	64QAM	1	3	20.38	20.21	20.02	20.5
1.4	64QAM	1	5	20.23	20.12	20.13	
1.4	64QAM	3	0	19.30	19.10	18.93	
1.4	64QAM	3	1	19.17	18.96	18.91	19.5
1.4	64QAM	3	3	19.26	18.83	18.89	
1.4	64QAM	6	0	19.30	18.98	18.96	
1.4	256QAM	1	0	16.92	16.69	16.71	17.5
1.4	256QAM	1	3	17.10	16.68	16.86	
1.4	256QAM	1	5	16.74	16.70	16.74	
1.4	256QAM	3	0	17.04	16.73	16.53	17.5
1.4	256QAM	3	1	17.02	16.69	16.82	
1.4	256QAM	3	3	17.01	16.76	16.65	
1.4	256QAM	6	0	17.01	16.87	16.47	17.5



<LTE Band 5\_Ant 0\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20450	20525	20600	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	18.09	18.29	18.00	18.5
10	QPSK	1	25	17.93	18.01	17.97	
10	QPSK	1	49	17.97	17.96	17.98	
10	QPSK	25	0	17.09	17.26	17.11	17.5
10	QPSK	25	12	17.03	17.21	17.07	
10	QPSK	25	25	17.01	17.11	16.99	
10	QPSK	50	0	16.99	17.16	16.96	
10	16QAM	1	0	17.44	17.01	16.88	17.5
10	16QAM	1	25	17.41	17.41	17.48	
10	16QAM	1	49	17.47	17.24	17.48	
10	16QAM	25	0	16.08	16.26	16.04	16.5
10	16QAM	25	12	16.05	16.20	16.13	
10	16QAM	25	25	16.09	16.10	16.10	
10	16QAM	50	0	15.99	16.15	16.02	
10	64QAM	1	0	15.83	16.41	16.12	16.5
10	64QAM	1	25	16.03	15.98	16.16	
10	64QAM	1	49	16.05	15.76	16.22	
10	64QAM	25	0	15.13	15.20	15.18	15.5
10	64QAM	25	12	15.03	15.16	15.01	
10	64QAM	25	25	15.04	15.17	15.16	
10	64QAM	50	0	15.05	15.10	15.05	
10	256QAM	1	0	13.06	13.04	13.03	13.5
10	256QAM	1	25	13.02	13.01	12.99	
10	256QAM	1	49	12.99	13.01	13.11	
10	256QAM	25	0	13.01	13.09	13.00	13.5
10	256QAM	25	12	13.00	13.16	12.91	
10	256QAM	25	25	13.04	13.14	13.12	
10	256QAM	50	0	12.90	13.05	12.96	
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	18.04	18.21	17.86	18.5
5	QPSK	1	12	17.88	18.00	17.86	
5	QPSK	1	24	17.88	17.95	17.82	
5	QPSK	12	0	16.93	17.21	16.97	17.5
5	QPSK	12	7	16.85	17.14	17.00	
5	QPSK	12	13	16.86	16.93	16.98	
5	QPSK	25	0	16.94	17.09	16.79	
5	16QAM	1	0	17.32	16.83	16.78	17.5
5	16QAM	1	12	17.40	17.23	17.44	
5	16QAM	1	24	17.40	17.12	17.42	
5	16QAM	12	0	16.07	16.06	15.95	16.5
5	16QAM	12	7	15.98	16.14	15.98	
5	16QAM	12	13	16.04	16.08	16.10	
5	16QAM	25	0	15.97	16.00	15.96	
5	64QAM	1	0	15.80	16.25	16.08	16.5
5	64QAM	1	12	16.01	15.89	16.12	
5	64QAM	1	24	15.95	15.60	16.07	
5	64QAM	12	0	15.02	15.14	15.03	15.5
5	64QAM	12	7	14.97	15.13	14.91	
5	64QAM	12	13	14.97	15.06	14.97	
5	64QAM	25	0	14.93	14.92	15.01	
5	256QAM	1	0	12.91	12.85	12.84	13.5
5	256QAM	1	12	12.82	13.01	12.96	
5	256QAM	1	24	12.88	12.91	13.04	
5	256QAM	12	0	12.84	12.89	12.81	13.5



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5	256QAM	12	7	12.83	13.12	12.74	
5	256QAM	12	13	12.91	13.00	13.08	
5	256QAM	25	0	12.71	12.88	12.88	
Channel				20415	20525	20635	Tune-up limit(dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	18.09	18.22	17.80	18.5
3	QPSK	1	8	17.87	18.01	17.95	
3	QPSK	1	14	17.89	17.89	17.80	
3	QPSK	8	0	16.99	17.22	17.06	17.5
3	QPSK	8	4	16.87	17.15	17.02	
3	QPSK	8	7	16.93	17.08	16.99	
3	QPSK	15	0	16.91	17.04	16.78	17.5
3	16QAM	1	0	17.42	16.89	16.83	
3	16QAM	1	8	17.40	17.36	17.40	
3	16QAM	1	14	17.44	17.08	17.31	17.5
3	16QAM	8	0	16.00	16.12	15.93	
3	16QAM	8	4	15.86	16.19	16.12	
3	16QAM	8	7	15.92	16.01	15.92	16.5
3	16QAM	15	0	15.84	16.00	15.98	
3	64QAM	1	0	15.65	16.38	16.08	
3	64QAM	1	8	16.03	15.92	16.16	16.5
3	64QAM	1	14	16.01	15.75	16.11	
3	64QAM	8	0	14.93	15.17	15.02	
3	64QAM	8	4	15.02	15.09	15.00	15.5
3	64QAM	8	7	14.98	15.00	15.12	
3	64QAM	15	0	14.88	14.93	14.99	
3	256QAM	1	0	13.01	12.97	13.02	13.5
3	256QAM	1	8	12.95	12.89	12.90	
3	256QAM	1	14	12.84	13.00	12.91	
3	256QAM	8	0	12.97	13.07	12.81	13.5
3	256QAM	8	4	12.99	13.04	12.78	
3	256QAM	8	7	12.98	13.14	13.02	
3	256QAM	15	0	12.75	12.91	12.85	
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	17.96	18.12	17.97	18.5
1.4	QPSK	1	3	17.86	17.88	17.92	
1.4	QPSK	1	5	17.85	17.85	17.95	
1.4	QPSK	3	0	16.90	17.15	17.03	17.5
1.4	QPSK	3	1	16.93	17.17	16.99	
1.4	QPSK	3	3	16.99	16.95	16.98	
1.4	QPSK	6	0	16.85	16.99	16.85	17.5
1.4	16QAM	1	0	17.32	16.88	16.76	17.5
1.4	16QAM	1	3	17.34	17.32	17.38	
1.4	16QAM	1	5	17.33	17.15	17.37	
1.4	16QAM	3	0	15.90	16.10	15.93	17.5
1.4	16QAM	3	1	15.94	16.17	16.06	
1.4	16QAM	3	3	15.93	16.03	16.07	
1.4	16QAM	6	0	15.99	16.00	15.82	16.5
1.4	64QAM	1	0	15.66	16.22	16.08	16.5
1.4	64QAM	1	3	15.92	15.81	15.96	
1.4	64QAM	1	5	16.05	15.60	16.08	
1.4	64QAM	3	0	15.10	15.20	15.18	16.5
1.4	64QAM	3	1	14.94	15.05	14.84	
1.4	64QAM	3	3	15.03	14.99	15.07	
1.4	64QAM	6	0	14.95	14.98	14.91	15.5
1.4	256QAM	1	0	12.93	13.02	13.00	13.5
1.4	256QAM	1	3	13.01	12.85	12.97	
1.4	256QAM	1	5	12.88	12.84	13.05	
1.4	256QAM	3	0	12.89	13.02	12.86	13.5
1.4	256QAM	3	1	12.97	13.06	12.71	
1.4	256QAM	3	3	12.94	12.98	12.93	
1.4	256QAM	6	0	12.70	13.02	12.81	13.5



<LTE Band 7\_Ant 0\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	22.78	23.10	22.79	24
20	QPSK	1	49	22.68	22.92	22.81	
20	QPSK	1	99	22.67	23.04	22.88	
20	QPSK	50	0	21.76	22.06	21.94	23
20	QPSK	50	24	21.93	21.97	21.99	
20	QPSK	50	50	21.90	22.02	22.01	
20	QPSK	100	0	21.90	22.05	22.03	
20	16QAM	1	0	21.92	21.99	22.06	23
20	16QAM	1	49	21.82	22.34	22.25	
20	16QAM	1	99	22.09	21.98	21.82	
20	16QAM	50	0	20.78	20.85	20.97	22
20	16QAM	50	24	20.96	20.89	21.00	
20	16QAM	50	50	20.85	20.97	20.99	
20	16QAM	100	0	20.96	20.89	21.09	
20	64QAM	1	0	21.14	21.14	20.75	22
20	64QAM	1	49	20.67	20.98	20.72	
20	64QAM	1	99	21.14	21.49	21.17	
20	64QAM	50	0	19.83	19.92	19.97	21
20	64QAM	50	24	19.97	19.95	20.08	
20	64QAM	50	50	19.87	20.04	20.02	
20	64QAM	100	0	19.91	19.98	20.09	
20	256QAM	1	0	18.34	18.39	17.95	19
20	256QAM	1	49	17.96	18.22	17.96	
20	256QAM	1	99	18.38	18.79	18.47	
20	256QAM	50	0	17.11	17.22	17.26	19
20	256QAM	50	24	17.22	17.25	17.29	
20	256QAM	50	50	17.15	17.25	17.31	
20	256QAM	100	0	17.11	17.18	17.33	
Channel				20825	21100	21375	
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	22.63	22.79	22.63	24
15	QPSK	1	37	22.80	22.76	22.85	
15	QPSK	1	74	22.64	22.84	22.85	
15	QPSK	36	0	21.74	21.84	21.90	23
15	QPSK	36	20	21.94	21.95	21.91	
15	QPSK	36	39	21.92	22.05	22.06	
15	QPSK	75	0	21.88	21.88	22.00	
15	16QAM	1	0	22.21	21.92	22.23	23
15	16QAM	1	37	22.33	22.02	22.42	
15	16QAM	1	74	22.20	22.38	22.40	
15	16QAM	36	0	20.84	20.88	20.99	22
15	16QAM	36	20	20.91	20.96	21.01	
15	16QAM	36	39	21.07	21.02	21.01	
15	16QAM	75	0	20.90	20.84	20.97	
15	64QAM	1	0	20.78	20.87	21.36	22
15	64QAM	1	37	20.88	20.82	20.77	
15	64QAM	1	74	21.13	21.22	21.17	
15	64QAM	36	0	19.73	19.92	19.94	21
15	64QAM	36	20	19.98	20.04	19.98	
15	64QAM	36	39	19.87	20.03	20.05	
15	64QAM	75	0	19.97	19.82	19.90	
15	256QAM	1	0	18.34	18.34	18.01	19
15	256QAM	1	37	17.96	18.20	18.02	
15	256QAM	1	74	18.40	18.79	18.44	
15	256QAM	36	0	17.05	17.22	17.21	19



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15	256QAM	36	20	17.18	17.21	17.28	
15	256QAM	36	39	17.07	17.28	17.28	
15	256QAM	75	0	17.14	17.23	17.32	
Channel				20800	21100	21400	Tune-up limit(dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	22.61	22.74	22.56	24
10	QPSK	1	25	22.67	22.69	22.65	
10	QPSK	1	49	22.59	22.68	22.82	
10	QPSK	25	0	21.74	21.73	21.83	23
10	QPSK	25	12	21.94	21.78	21.88	
10	QPSK	25	25	21.77	22.02	21.88	
10	QPSK	50	0	21.83	21.74	21.85	23
10	16QAM	1	0	22.04	21.79	22.21	
10	16QAM	1	25	22.30	22.02	22.27	
10	16QAM	1	49	22.05	22.19	22.32	22
10	16QAM	25	0	20.80	20.76	20.92	
10	16QAM	25	12	20.86	20.92	20.95	
10	16QAM	25	25	21.01	20.90	20.94	22
10	16QAM	50	0	20.82	20.80	20.89	
10	64QAM	1	0	20.60	20.82	21.16	
10	64QAM	1	25	20.69	20.74	20.59	22
10	64QAM	1	49	20.99	21.13	20.98	
10	64QAM	25	0	19.71	19.89	19.75	
10	64QAM	25	12	19.95	19.96	19.95	21
10	64QAM	25	25	19.71	19.84	20.04	
10	64QAM	50	0	19.85	19.78	19.75	
10	256QAM	1	0	18.27	18.32	17.81	19
10	256QAM	1	25	17.89	18.10	17.83	
10	256QAM	1	49	18.37	18.66	18.40	
10	256QAM	25	0	17.03	17.19	17.09	19
10	256QAM	25	12	17.19	17.05	17.14	
10	256QAM	25	25	17.15	17.14	17.36	
10	256QAM	50	0	17.08	17.15	17.34	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	22.62	22.70	22.62	24
5	QPSK	1	12	22.76	22.70	22.69	
5	QPSK	1	24	22.47	22.84	22.65	
5	QPSK	12	0	21.69	21.83	21.84	23
5	QPSK	12	7	21.82	21.76	21.83	
5	QPSK	12	13	21.86	21.87	21.86	
5	QPSK	25	0	21.70	21.71	21.83	23
5	16QAM	1	0	22.15	21.82	22.21	
5	16QAM	1	12	22.28	21.87	22.29	
5	16QAM	1	24	22.15	22.32	22.32	22
5	16QAM	12	0	20.69	20.88	20.90	
5	16QAM	12	7	20.88	20.77	20.93	
5	16QAM	12	13	21.07	20.88	20.94	22
5	16QAM	25	0	20.85	20.82	20.91	
5	64QAM	1	0	20.65	20.70	21.34	
5	64QAM	1	12	20.74	20.76	20.64	22
5	64QAM	1	24	21.08	21.14	21.09	
5	64QAM	12	0	19.71	19.73	19.91	
5	64QAM	12	7	19.84	19.91	19.78	21
5	64QAM	12	13	19.85	19.96	20.02	
5	64QAM	25	0	19.87	19.73	19.86	
5	256QAM	1	0	18.32	18.16	17.95	19
5	256QAM	1	12	17.85	18.14	17.91	
5	256QAM	1	24	18.33	18.66	18.35	
5	256QAM	12	0	17.04	17.09	17.07	19
5	256QAM	12	7	17.00	17.10	17.28	
5	256QAM	12	13	17.03	17.27	17.21	
5	256QAM	25	0	17.07	17.08	17.32	



<LTE Band 7\_Ant 2\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	22.44	22.49	22.42	
20	QPSK	1	49	22.36	22.46	22.43	22.5
20	QPSK	1	99	22.36	22.46	22.43	
20	QPSK	50	0	22.30	22.44	22.42	
20	QPSK	50	24	22.16	22.43	22.31	22.5
20	QPSK	50	50	22.26	22.37	22.35	
20	QPSK	100	0	22.29	22.40	22.39	
20	16QAM	1	0	22.40	22.47	22.29	22.5
20	16QAM	1	49	22.32	22.45	22.24	
20	16QAM	1	99	22.31	22.36	22.23	
20	16QAM	50	0	22.27	22.44	22.39	22.5
20	16QAM	50	24	22.08	22.43	22.29	
20	16QAM	50	50	22.06	22.33	22.24	
20	16QAM	100	0	22.09	22.22	22.23	21.5
20	64QAM	1	0	21.14	21.38	21.21	
20	64QAM	1	49	21.20	21.30	21.33	
20	64QAM	1	99	21.11	21.26	21.29	21.5
20	64QAM	50	0	21.08	21.30	21.12	
20	64QAM	50	24	21.00	21.24	21.05	
20	64QAM	50	50	21.05	21.23	21.13	21.5
20	64QAM	100	0	21.12	21.18	21.27	
20	256QAM	1	0	18.26	18.44	18.18	
20	256QAM	1	49	18.25	18.21	18.36	18.5
20	256QAM	1	99	18.24	18.32	18.26	
20	256QAM	50	0	18.22	18.26	18.37	
20	256QAM	50	24	18.00	18.35	18.10	18.5
20	256QAM	50	50	18.14	18.23	18.20	
20	256QAM	100	0	18.16	18.22	18.24	
Channel				20825	21100	21375	
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	22.29	22.31	22.34	
15	QPSK	1	37	22.21	22.36	22.40	22.5
15	QPSK	1	74	22.17	22.32	22.36	
15	QPSK	36	0	22.14	22.44	22.26	
15	QPSK	36	20	22.02	22.41	22.23	22.5
15	QPSK	36	39	22.12	22.29	22.29	
15	QPSK	75	0	22.16	22.21	22.37	
15	16QAM	1	0	22.34	22.37	22.12	22.5
15	16QAM	1	37	22.21	22.41	22.22	
15	16QAM	1	74	22.17	22.19	22.19	
15	16QAM	36	0	22.26	22.33	22.20	22.5
15	16QAM	36	20	21.94	22.26	22.21	
15	16QAM	36	39	21.96	22.19	22.16	
15	16QAM	75	0	22.05	22.22	22.07	21.5
15	64QAM	1	0	21.05	21.21	21.01	
15	64QAM	1	37	21.04	21.15	21.33	
15	64QAM	1	74	21.10	21.17	21.18	21.5
15	64QAM	36	0	20.93	21.13	20.95	
15	64QAM	36	20	20.95	21.13	20.99	
15	64QAM	36	39	20.99	21.14	21.00	21.5
15	64QAM	75	0	20.93	21.18	21.24	
15	256QAM	1	0	18.21	18.29	18.17	
15	256QAM	1	37	18.24	18.15	18.24	18.5
15	256QAM	1	74	18.17	18.22	18.14	
15	256QAM	36	0	18.10	18.21	18.37	



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15	256QAM	36	20	17.89	18.15	17.96	
15	256QAM	36	39	18.14	18.09	18.19	
15	256QAM	75	0	18.08	18.06	18.22	
Channel				20800	21100	21400	Tune-up limit(dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	22.35	22.36	22.29	22.5
10	QPSK	1	25	22.35	22.37	22.42	
10	QPSK	1	49	22.20	22.29	22.41	
10	QPSK	25	0	22.20	22.37	22.23	22.5
10	QPSK	25	12	22.11	22.42	22.11	
10	QPSK	25	25	22.12	22.30	22.31	
10	QPSK	50	0	22.16	22.31	22.32	22.5
10	16QAM	1	0	22.38	22.34	22.11	
10	16QAM	1	25	22.26	22.40	22.21	
10	16QAM	1	49	22.14	22.32	22.07	22.5
10	16QAM	25	0	22.19	22.24	22.21	
10	16QAM	25	12	21.96	22.27	22.15	
10	16QAM	25	25	21.91	22.29	22.07	21.5
10	16QAM	50	0	22.06	22.20	22.23	
10	64QAM	1	0	20.97	21.38	21.07	
10	64QAM	1	25	21.10	21.19	21.27	21.5
10	64QAM	1	49	21.10	21.25	21.26	
10	64QAM	25	0	21.05	21.15	21.12	
10	64QAM	25	12	20.98	21.16	20.91	21.5
10	64QAM	25	25	20.85	21.11	21.02	
10	64QAM	50	0	21.07	21.00	21.21	
10	256QAM	1	0	18.08	18.37	18.14	18.5
10	256QAM	1	25	18.25	18.08	18.26	
10	256QAM	1	49	18.23	18.13	18.24	
10	256QAM	25	0	18.05	18.08	18.32	18.5
10	256QAM	25	12	17.82	18.28	17.94	
10	256QAM	25	25	17.99	18.04	18.13	
10	256QAM	50	0	18.13	18.16	18.13	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	22.36	22.38	22.31	22.5
5	QPSK	1	12	22.18	22.40	22.35	
5	QPSK	1	24	22.32	22.42	22.30	
5	QPSK	12	0	22.27	22.33	22.31	22.5
5	QPSK	12	7	22.07	22.26	22.27	
5	QPSK	12	13	22.22	22.20	22.30	
5	QPSK	25	0	22.10	22.37	22.25	22.5
5	16QAM	1	0	22.40	22.46	22.13	
5	16QAM	1	12	22.26	22.35	22.11	
5	16QAM	1	24	22.18	22.31	22.13	22.5
5	16QAM	12	0	22.21	22.43	22.20	
5	16QAM	12	7	21.94	22.29	22.27	
5	16QAM	12	13	21.86	22.20	22.19	21.5
5	16QAM	25	0	22.07	22.16	22.15	
5	64QAM	1	0	21.11	21.22	21.12	
5	64QAM	1	12	21.20	21.14	21.17	21.5
5	64QAM	1	24	21.02	21.07	21.15	
5	64QAM	12	0	21.04	21.17	21.07	
5	64QAM	12	7	20.81	21.21	21.02	21.5
5	64QAM	12	13	20.99	21.19	21.04	
5	64QAM	25	0	21.03	21.03	21.18	
5	256QAM	1	0	18.20	18.30	18.14	18.5
5	256QAM	1	12	18.05	18.07	18.18	
5	256QAM	1	24	18.18	18.13	18.08	
5	256QAM	12	0	18.03	18.06	18.24	18.5
5	256QAM	12	7	17.98	18.21	17.99	
5	256QAM	12	13	17.95	18.15	18.15	
5	256QAM	25	0	17.96	18.19	18.09	





<LTE Band 7\_Ant 0\_Sensor ON\_NB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	16.00	16.20	15.85	16.5
20	QPSK	1	49	15.73	15.70	15.83	
20	QPSK	1	99	15.96	15.95	16.19	
20	QPSK	50	0	14.94	14.97	14.95	15.5
20	QPSK	50	24	14.81	14.79	14.94	
20	QPSK	50	50	14.86	14.96	14.47	
20	QPSK	100	0	14.81	14.96	14.86	
20	16QAM	1	0	15.11	15.22	14.80	15.5
20	16QAM	1	49	15.15	15.27	15.29	
20	16QAM	1	99	15.18	15.24	15.24	
20	16QAM	50	0	13.67	13.77	13.91	14.5
20	16QAM	50	24	13.73	13.90	14.02	
20	16QAM	50	50	13.82	13.90	13.98	
20	16QAM	100	0	13.83	13.81	13.89	
20	64QAM	1	0	13.90	13.74	13.99	14.5
20	64QAM	1	49	13.97	14.18	14.12	
20	64QAM	1	99	14.08	14.09	14.26	
20	64QAM	50	0	12.69	12.73	12.97	13.5
20	64QAM	50	24	12.82	12.81	13.14	
20	64QAM	50	50	12.83	12.85	12.99	
20	64QAM	100	0	12.78	12.77	12.91	
20	256QAM	1	0	10.42	10.41	10.49	11.5
20	256QAM	1	49	10.67	10.73	10.72	
20	256QAM	1	99	10.65	10.68	10.76	
20	256QAM	50	0	10.53	10.41	10.68	11.5
20	256QAM	50	24	10.47	10.78	10.62	
20	256QAM	50	50	10.72	10.68	10.92	
20	256QAM	100	0	10.52	10.81	10.68	
Channel				20825	21100	21375	
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	15.50	15.48	15.53	16.5
15	QPSK	1	37	15.72	15.58	15.79	
15	QPSK	1	74	15.84	15.94	16.04	
15	QPSK	36	0	14.48	14.55	14.89	15.5
15	QPSK	36	20	14.74	14.63	14.94	
15	QPSK	36	39	14.80	14.86	14.97	
15	QPSK	75	0	14.61	14.70	14.77	
15	16QAM	1	0	15.04	15.09	14.73	15.5
15	16QAM	1	37	15.03	15.24	15.15	
15	16QAM	1	74	15.09	15.18	15.17	
15	16QAM	36	0	13.65	13.73	13.72	14.5
15	16QAM	36	20	13.55	13.88	13.97	
15	16QAM	36	39	13.64	13.82	13.82	
15	16QAM	75	0	13.83	13.63	13.88	
15	64QAM	1	0	13.84	13.64	13.98	14.5
15	64QAM	1	37	13.96	14.11	13.94	
15	64QAM	1	74	13.94	14.00	14.24	
15	64QAM	36	0	12.51	12.61	12.79	13.5
15	64QAM	36	20	12.77	12.80	12.95	
15	64QAM	36	39	12.65	12.79	12.93	
15	64QAM	75	0	12.60	12.59	12.80	
15	256QAM	1	0	10.25	10.28	10.41	11.5
15	256QAM	1	37	10.48	10.53	10.62	
15	256QAM	1	74	10.52	10.61	10.65	
15	256QAM	36	0	10.41	10.32	10.53	11.5



**FCC SAR TEST REPORT**

**Report No. : FA3N0927**

Channel	Frequency (MHz)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Tune-up limit (dBm)
15	256QAM	36	20	10.34	10.71	10.44	
15	256QAM	36	39	10.64	10.55	10.79	
15	256QAM	75	0	10.36	10.63	10.52	
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	15.42	15.52	15.52	16.5
10	QPSK	1	25	15.73	15.60	15.64	
10	QPSK	1	49	15.77	15.92	16.18	
10	QPSK	25	0	14.49	14.71	14.78	15.5
10	QPSK	25	12	14.79	14.76	14.83	
10	QPSK	25	25	14.70	14.93	14.84	
10	QPSK	50	0	14.71	14.70	14.94	15.5
10	16QAM	1	0	14.96	15.20	14.62	
10	16QAM	1	25	15.02	15.27	15.09	
10	16QAM	1	49	15.18	15.10	15.07	14.5
10	16QAM	25	0	13.51	13.72	13.82	
10	16QAM	25	12	13.53	13.70	13.97	
10	16QAM	25	25	13.63	13.76	13.85	14.5
10	16QAM	50	0	13.78	13.62	13.73	
10	64QAM	1	0	13.86	13.60	13.92	
10	64QAM	1	25	13.91	14.05	14.08	14.5
10	64QAM	1	49	13.95	13.97	14.24	
10	64QAM	25	0	12.60	12.70	12.95	
10	64QAM	25	12	12.64	12.76	13.13	13.5
10	64QAM	25	25	12.75	12.79	12.97	
10	64QAM	50	0	12.76	12.67	12.80	
10	256QAM	1	0	10.36	10.30	10.46	11.5
10	256QAM	1	25	10.54	10.62	10.57	
10	256QAM	1	49	10.59	10.60	10.63	
10	256QAM	25	0	10.43	10.38	10.57	11.5
10	256QAM	25	12	10.42	10.68	10.43	
10	256QAM	25	25	10.71	10.64	10.83	
10	256QAM	50	0	10.32	10.61	10.66	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	15.31	15.61	15.58	16.5
5	QPSK	1	12	15.71	15.56	15.75	
5	QPSK	1	24	15.91	15.78	15.99	
5	QPSK	12	0	14.62	14.60	14.87	15.5
5	QPSK	12	7	14.76	14.70	14.94	
5	QPSK	12	13	14.78	14.87	14.95	
5	QPSK	25	0	14.78	14.78	14.77	15.5
5	16QAM	1	0	15.06	15.22	14.76	
5	16QAM	1	12	14.97	15.11	15.27	
5	16QAM	1	24	15.05	15.05	15.23	14.5
5	16QAM	12	0	13.66	13.76	13.78	
5	16QAM	12	7	13.54	13.90	13.98	
5	16QAM	12	13	13.66	13.74	13.92	14.5
5	16QAM	25	0	13.71	13.78	13.74	
5	64QAM	1	0	13.90	13.62	13.91	
5	64QAM	1	12	13.83	14.16	14.00	14.5
5	64QAM	1	24	14.06	13.90	14.24	
5	64QAM	12	0	12.60	12.70	12.85	
5	64QAM	12	7	12.81	12.63	13.06	13.5
5	64QAM	12	13	12.68	12.83	12.85	
5	64QAM	25	0	12.61	12.62	12.91	
5	256QAM	1	0	10.34	10.21	10.46	11.5
5	256QAM	1	12	10.58	10.69	10.69	
5	256QAM	1	24	10.53	10.48	10.60	
5	256QAM	12	0	10.45	10.32	10.55	11.5
5	256QAM	12	7	10.27	10.60	10.60	
5	256QAM	12	13	10.58	10.62	10.77	
5	256QAM	25	0	10.51	10.67	10.54	



<LTE Band 7\_Ant 0\_Sensor ON\_NB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	16.33	16.36	16.30	16.5
20	QPSK	1	49	16.23	16.30	16.26	
20	QPSK	1	99	16.17	16.32	16.25	
20	QPSK	50	0	16.21	16.31	16.29	16.5
20	QPSK	50	24	15.96	16.25	16.23	
20	QPSK	50	50	16.14	16.22	16.28	
20	QPSK	100	0	16.20	16.34	16.22	
20	16QAM	1	0	16.13	16.21	16.10	16.5
20	16QAM	1	49	16.18	16.14	16.10	
20	16QAM	1	99	16.11	16.30	16.22	
20	16QAM	50	0	16.07	16.13	16.18	16.5
20	16QAM	50	24	15.76	16.12	16.03	
20	16QAM	50	50	16.02	16.14	16.24	
20	16QAM	100	0	16.16	16.24	16.10	
20	64QAM	1	0	16.26	16.16	16.27	16.5
20	64QAM	1	49	16.17	16.11	16.06	
20	64QAM	1	99	15.98	16.17	16.09	
20	64QAM	50	0	16.09	16.17	16.29	16.5
20	64QAM	50	24	15.95	16.15	16.07	
20	64QAM	50	50	16.14	16.03	16.23	
20	64QAM	100	0	16.15	16.30	16.18	
20	256QAM	1	0	16.22	16.35	16.10	16.5
20	256QAM	1	49	16.06	16.12	16.20	
20	256QAM	1	99	16.15	16.21	16.25	
20	256QAM	50	0	16.14	16.24	16.15	16.5
20	256QAM	50	24	15.84	16.22	16.03	
20	256QAM	50	50	16.09	16.15	16.23	
20	256QAM	100	0	16.08	16.21	16.08	
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	16.20	16.31	16.15	16.5
15	QPSK	1	37	16.04	16.29	16.13	
15	QPSK	1	74	16.09	16.32	16.13	
15	QPSK	36	0	16.16	16.26	16.13	16.5
15	QPSK	36	20	15.87	16.11	16.09	
15	QPSK	36	39	16.05	16.16	16.12	
15	QPSK	75	0	16.09	16.16	16.03	
15	16QAM	1	0	16.08	16.15	16.02	16.5
15	16QAM	1	37	16.17	16.06	16.03	
15	16QAM	1	74	15.94	16.15	16.06	
15	16QAM	36	0	15.99	15.99	16.03	16.5
15	16QAM	36	20	15.70	16.03	15.90	
15	16QAM	36	39	15.99	15.97	16.06	
15	16QAM	75	0	15.99	16.18	15.93	
15	64QAM	1	0	16.08	16.03	16.22	16.5
15	64QAM	1	37	16.09	16.01	15.97	
15	64QAM	1	74	15.94	16.02	16.08	
15	64QAM	36	0	16.02	16.13	16.25	16.5
15	64QAM	36	20	15.86	15.96	15.87	
15	64QAM	36	39	16.13	15.95	16.03	
15	64QAM	75	0	16.12	16.13	16.09	
15	256QAM	1	0	16.08	16.30	15.95	16.5
15	256QAM	1	37	16.06	16.08	16.01	
15	256QAM	1	74	15.99	16.21	16.22	
15	256QAM	36	0	16.10	16.18	16.05	16.5



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**Report No. : FA3N0927**

Channel	Frequency (MHz)	Modulation	Power (dBm)	Power (dBm)	Power (dBm)	Tune-up limit (dBm)	
15	256QAM	36	20	15.70	16.06	16.02	
15	256QAM	36	39	16.05	15.98	16.12	
15	256QAM	75	0	16.01	16.12	15.88	
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	16.33	16.19	16.15	16.5
10	QPSK	1	25	16.16	16.10	16.17	
10	QPSK	1	49	16.14	16.22	16.05	
10	QPSK	25	0	16.16	16.25	16.26	16.5
10	QPSK	25	12	15.83	16.15	16.15	
10	QPSK	25	25	16.04	16.19	16.20	
10	QPSK	50	0	16.08	16.33	16.13	16.5
10	16QAM	1	0	15.95	16.10	15.99	
10	16QAM	1	25	16.18	16.11	15.94	
10	16QAM	1	49	16.11	16.29	16.17	16.5
10	16QAM	25	0	16.06	16.03	16.11	
10	16QAM	25	12	15.76	16.06	15.87	
10	16QAM	25	25	15.87	16.05	16.09	16.5
10	16QAM	50	0	16.00	16.13	15.94	
10	64QAM	1	0	16.15	16.02	16.12	
10	64QAM	1	25	16.17	16.08	15.93	16.5
10	64QAM	1	49	15.91	16.14	16.07	
10	64QAM	25	0	16.09	15.97	16.10	
10	64QAM	25	12	15.87	16.02	15.89	16.5
10	64QAM	25	25	16.03	15.95	16.12	
10	64QAM	50	0	16.00	16.10	16.12	
10	256QAM	1	0	16.03	16.20	15.93	16.5
10	256QAM	1	25	15.88	16.09	16.05	
10	256QAM	1	49	16.02	16.17	16.24	
10	256QAM	25	0	15.96	16.18	16.05	16.5
10	256QAM	25	12	15.70	16.04	15.94	
10	256QAM	25	25	16.04	16.07	16.12	
10	256QAM	50	0	15.96	16.19	15.95	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	16.27	16.34	16.22	16.5
5	QPSK	1	12	16.09	16.13	16.25	
5	QPSK	1	24	15.99	16.26	16.17	
5	QPSK	12	0	16.08	16.28	16.13	16.5
5	QPSK	12	7	15.90	16.20	16.03	
5	QPSK	12	13	15.98	16.04	16.21	
5	QPSK	25	0	16.06	16.17	16.16	16.5
5	16QAM	1	0	15.93	16.04	16.10	
5	16QAM	1	12	15.98	15.98	16.02	
5	16QAM	1	24	16.11	16.18	16.03	16.5
5	16QAM	12	0	15.89	16.11	16.04	
5	16QAM	12	7	15.59	15.94	15.83	
5	16QAM	12	13	15.86	15.94	16.15	16.5
5	16QAM	25	0	15.99	16.21	15.93	
5	64QAM	1	0	16.09	16.16	16.07	
5	64QAM	1	12	16.16	16.04	15.89	16.5
5	64QAM	1	24	15.89	16.00	16.00	
5	64QAM	12	0	15.92	16.03	16.15	
5	64QAM	12	7	15.77	16.04	15.96	16.5
5	64QAM	12	13	16.06	15.88	16.06	
5	64QAM	25	0	16.15	16.28	16.09	
5	256QAM	1	0	16.21	16.24	15.97	16.5
5	256QAM	1	12	15.93	15.95	16.16	
5	256QAM	1	24	16.10	16.15	16.08	
5	256QAM	12	0	16.12	16.18	16.05	16.5
5	256QAM	12	7	15.67	16.03	15.90	
5	256QAM	12	13	15.93	16.04	16.16	
5	256QAM	25	0	15.90	16.19	16.00	



<LTE Band 7\_Ant 0\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	13.76	13.93	13.70	14
20	QPSK	1	49	13.61	13.75	13.67	
20	QPSK	1	99	13.70	13.69	13.63	
20	QPSK	50	0	12.92	12.98	12.90	13
20	QPSK	50	24	12.88	12.94	12.85	
20	QPSK	50	50	12.89	12.88	12.80	
20	QPSK	100	0	12.94	12.98	12.90	
20	16QAM	1	0	12.95	12.97	12.96	13
20	16QAM	1	49	12.90	12.92	12.88	
20	16QAM	1	99	12.84	12.90	12.84	
20	16QAM	50	0	11.91	11.96	11.95	12
20	16QAM	50	24	11.91	11.94	11.90	
20	16QAM	50	50	11.90	11.93	11.92	
20	16QAM	100	0	11.84	11.91	11.87	
20	64QAM	1	0	11.90	11.94	11.92	12
20	64QAM	1	49	11.83	11.94	11.90	
20	64QAM	1	99	11.83	11.90	11.88	
20	64QAM	50	0	10.93	10.98	10.99	11
20	64QAM	50	24	10.90	10.93	10.95	
20	64QAM	50	50	10.83	10.90	10.94	
20	64QAM	100	0	10.93	10.96	10.95	
20	256QAM	1	0	9.88	9.73	9.84	9
20	256QAM	1	49	9.78	9.88	9.86	
20	256QAM	1	99	9.77	9.83	9.87	
20	256QAM	50	0	9.90	9.79	9.84	9
20	256QAM	50	24	9.84	9.84	9.94	
20	256QAM	50	50	9.77	9.87	9.91	
20	256QAM	100	0	9.75	9.95	9.88	
Channel				20825	21100	21375	
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	13.64	13.90	13.51	14
15	QPSK	1	37	13.41	13.67	13.61	
15	QPSK	1	74	13.62	13.51	13.59	
15	QPSK	36	0	12.89	12.90	12.82	13
15	QPSK	36	20	12.88	12.91	12.71	
15	QPSK	36	39	12.69	12.86	12.63	
15	QPSK	75	0	12.91	12.95	12.80	
15	16QAM	1	0	12.93	12.81	12.91	13
15	16QAM	1	37	12.72	12.81	12.76	
15	16QAM	1	74	12.76	12.77	12.69	
15	16QAM	36	0	11.73	11.81	11.83	12
15	16QAM	36	20	11.83	11.90	11.83	
15	16QAM	36	39	11.82	11.86	11.85	
15	16QAM	75	0	11.78	11.91	11.79	
15	64QAM	1	0	11.82	11.80	11.72	12
15	64QAM	1	37	11.79	11.77	11.78	
15	64QAM	1	74	11.63	11.89	11.74	
15	64QAM	36	0	10.80	10.84	10.99	11
15	64QAM	36	20	10.73	10.88	10.88	
15	64QAM	36	39	10.77	10.72	10.92	
15	64QAM	75	0	10.92	10.83	10.90	
15	256QAM	1	0	9.80	9.58	9.74	9
15	256QAM	1	37	9.75	9.73	9.67	
15	256QAM	1	74	9.77	9.75	9.72	
15	256QAM	36	0	9.78	9.69	9.84	9



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**Report No. : FA3N0927**

Channel	Frequency (MHz)	Modulation	Power (dBm)	Power (dBm)	Power (dBm)	Tune-up limit (dBm)	
15	256QAM	36	20	9.64	9.64	9.85	
15	256QAM	36	39	9.58	9.75	9.80	
15	256QAM	75	0	9.55	9.93	9.85	
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	13.68	13.84	13.70	14
10	QPSK	1	25	13.48	13.73	13.54	
10	QPSK	1	49	13.68	13.60	13.54	
10	QPSK	25	0	12.88	12.84	12.72	13
10	QPSK	25	12	12.80	12.85	12.82	
10	QPSK	25	25	12.78	12.80	12.66	
10	QPSK	50	0	12.91	12.85	12.88	13
10	16QAM	1	0	12.94	12.87	12.86	
10	16QAM	1	25	12.74	12.81	12.82	
10	16QAM	1	49	12.68	12.74	12.80	12
10	16QAM	25	0	11.91	11.92	11.78	
10	16QAM	25	12	11.80	11.90	11.75	
10	16QAM	25	25	11.73	11.93	11.75	12
10	16QAM	50	0	11.64	11.77	11.74	
10	64QAM	1	0	11.83	11.75	11.81	
10	64QAM	1	25	11.75	11.85	11.79	12
10	64QAM	1	49	11.77	11.81	11.88	
10	64QAM	25	0	10.82	10.96	10.92	
10	64QAM	25	12	10.71	10.90	10.92	11
10	64QAM	25	25	10.76	10.78	10.86	
10	64QAM	50	0	10.79	10.81	10.81	
10	256QAM	1	0	9.68	9.62	9.65	9
10	256QAM	1	25	9.62	9.86	9.78	
10	256QAM	1	49	9.60	9.83	9.83	
10	256QAM	25	0	9.78	9.67	9.78	9
10	256QAM	25	12	9.66	9.77	9.84	
10	256QAM	25	25	9.69	9.86	9.86	
10	256QAM	50	0	9.63	9.83	9.83	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	13.59	13.86	13.58	14
5	QPSK	1	12	13.44	13.73	13.67	
5	QPSK	1	24	13.51	13.53	13.51	
5	QPSK	12	0	12.88	12.86	12.78	13
5	QPSK	12	7	12.83	12.82	12.75	
5	QPSK	12	13	12.85	12.80	12.63	
5	QPSK	25	0	12.74	12.88	12.90	13
5	16QAM	1	0	12.92	12.94	12.95	
5	16QAM	1	12	12.73	12.74	12.83	
5	16QAM	1	24	12.77	12.77	12.76	12
5	16QAM	12	0	11.89	11.86	11.95	
5	16QAM	12	7	11.86	11.81	11.81	
5	16QAM	12	13	11.88	11.78	11.85	12
5	16QAM	25	0	11.74	11.76	11.69	
5	64QAM	1	0	11.70	11.84	11.79	
5	64QAM	1	12	11.74	11.78	11.76	12
5	64QAM	1	24	11.71	11.72	11.85	
5	64QAM	12	0	10.91	10.93	10.95	
5	64QAM	12	7	10.79	10.75	10.85	11
5	64QAM	12	13	10.81	10.87	10.92	
5	64QAM	25	0	10.80	10.79	10.79	
5	256QAM	1	0	9.74	9.72	9.68	9
5	256QAM	1	12	9.66	9.86	9.66	
5	256QAM	1	24	9.69	9.80	9.73	
5	256QAM	12	0	9.73	9.61	9.68	9
5	256QAM	12	7	9.65	9.72	9.78	
5	256QAM	12	13	9.73	9.78	9.89	
5	256QAM	25	0	9.65	9.81	9.79	



<LTE Band 7\_Ant 2\_Sensor ON\_TB>

Channel	Frequency (MHz)	BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel						20850	21100	21350	14.5
Frequency (MHz)						2510	2535	2560	
20	QPSK	1	0	14.44	14.49	14.40	14.5		
20	QPSK	1	49	14.21	14.40	14.30			
20	QPSK	1	99	14.24	14.43	14.24			
20	QPSK	50	0	14.36	14.38	14.31	14.5		
20	QPSK	50	24	14.06	14.29	14.21			
20	QPSK	50	50	14.21	14.24	14.23			
20	QPSK	100	0	14.25	14.30	14.28			
20	16QAM	1	0	14.28	14.30	14.31	14.5		
20	16QAM	1	49	14.17	14.36	14.27			
20	16QAM	1	99	14.24	14.42	14.21			
20	16QAM	50	0	14.29	14.24	14.26	14.5		
20	16QAM	50	24	14.04	14.24	14.12			
20	16QAM	50	50	14.02	14.24	14.11			
20	16QAM	100	0	14.09	14.20	14.12			
20	64QAM	1	0	14.33	14.41	14.26	14.5		
20	64QAM	1	49	14.06	14.33	14.30			
20	64QAM	1	99	14.18	14.33	14.21			
20	64QAM	50	0	14.29	14.31	14.25	14.5		
20	64QAM	50	24	13.99	14.17	14.13			
20	64QAM	50	50	14.12	14.13	14.05			
20	64QAM	100	0	14.10	14.23	14.20			
20	256QAM	1	0	14.30	14.33	14.28	14.5		
20	256QAM	1	49	14.06	14.32	14.12			
20	256QAM	1	99	14.13	14.24	14.09			
20	256QAM	50	0	14.33	14.21	14.23	14.5		
20	256QAM	50	24	13.86	14.19	14.11			
20	256QAM	50	50	14.05	14.05	14.06			
20	256QAM	100	0	14.14	14.23	14.25			
Channel						20825	21100	21375	14.5
Frequency (MHz)						2507.5	2535	2562.5	
15	QPSK	1	0	14.24	14.32	14.28	14.5		
15	QPSK	1	37	14.18	14.33	14.17			
15	QPSK	1	74	14.17	14.30	14.07			
15	QPSK	36	0	14.24	14.21	14.30	14.5		
15	QPSK	36	20	14.00	14.14	14.21			
15	QPSK	36	39	14.16	14.24	14.11			
15	QPSK	75	0	14.05	14.23	14.28			
15	16QAM	1	0	14.13	14.14	14.31	14.5		
15	16QAM	1	37	14.09	14.28	14.12			
15	16QAM	1	74	14.14	14.38	14.11			
15	16QAM	36	0	14.10	14.07	14.11	14.5		
15	16QAM	36	20	13.92	14.14	14.11			
15	16QAM	36	39	13.82	14.07	13.97			
15	16QAM	75	0	14.09	14.07	13.97			
15	64QAM	1	0	14.31	14.25	14.26	14.5		
15	64QAM	1	37	13.88	14.24	14.30			
15	64QAM	1	74	14.02	14.24	14.08			
15	64QAM	36	0	14.22	14.18	14.21	14.5		
15	64QAM	36	20	13.94	14.08	13.93			
15	64QAM	36	39	13.96	14.10	13.90			
15	64QAM	75	0	14.08	14.16	14.02			
15	256QAM	1	0	14.23	14.32	14.26	14.5		
15	256QAM	1	37	13.97	14.21	13.95			
15	256QAM	1	74	13.94	14.08	14.08			
15	256QAM	36	0	14.22	14.17	14.22	14.5		



**FCC SAR TEST REPORT**

**Report No. : FA3N0927**

Channel	Frequency (MHz)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Tune-up limit (dBm)
15	256QAM	36	20	13.86	14.03	14.04	
15	256QAM	36	39	13.95	13.94	14.03	
15	256QAM	75	0	14.10	14.13	14.21	
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	14.32	14.43	14.40	14.5
10	QPSK	1	25	14.16	14.36	14.14	
10	QPSK	1	49	14.22	14.25	14.14	
10	QPSK	25	0	14.22	14.27	14.23	14.5
10	QPSK	25	12	13.89	14.24	14.06	
10	QPSK	25	25	14.21	14.13	14.19	
10	QPSK	50	0	14.05	14.19	14.23	14.5
10	16QAM	1	0	14.21	14.11	14.14	
10	16QAM	1	25	14.02	14.22	14.12	
10	16QAM	1	49	14.09	14.34	14.09	14.5
10	16QAM	25	0	14.16	14.07	14.12	
10	16QAM	25	12	14.01	14.17	14.08	
10	16QAM	25	25	13.89	14.18	13.96	14.5
10	16QAM	50	0	14.05	14.20	13.92	
10	64QAM	1	0	14.33	14.25	14.08	
10	64QAM	1	25	13.86	14.15	14.26	14.5
10	64QAM	1	49	14.17	14.21	14.17	
10	64QAM	25	0	14.28	14.17	14.12	
10	64QAM	25	12	13.86	14.15	14.07	14.5
10	64QAM	25	25	14.01	14.08	14.00	
10	64QAM	50	0	14.03	14.03	14.03	
10	256QAM	1	0	14.16	14.20	14.17	14.5
10	256QAM	1	25	14.06	14.25	14.10	
10	256QAM	1	49	14.06	14.21	13.90	
10	256QAM	25	0	14.27	14.06	14.07	14.5
10	256QAM	25	12	13.72	14.17	14.11	
10	256QAM	25	25	14.02	14.02	13.98	
10	256QAM	50	0	14.01	14.19	14.20	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	14.25	14.44	14.37	14.5
5	QPSK	1	12	14.13	14.36	14.26	
5	QPSK	1	24	14.12	14.27	14.21	
5	QPSK	12	0	14.22	14.18	14.29	14.5
5	QPSK	12	7	13.91	14.23	14.13	
5	QPSK	12	13	14.09	14.11	14.10	
5	QPSK	25	0	14.20	14.16	14.18	14.5
5	16QAM	1	0	14.17	14.22	14.28	
5	16QAM	1	12	14.12	14.28	14.24	
5	16QAM	1	24	14.24	14.36	14.19	14.5
5	16QAM	12	0	14.20	14.07	14.17	
5	16QAM	12	7	14.02	14.12	14.10	
5	16QAM	12	13	13.93	14.04	14.06	14.5
5	16QAM	25	0	13.93	14.09	14.09	
5	64QAM	1	0	14.30	14.23	14.15	
5	64QAM	1	12	13.92	14.25	14.27	14.5
5	64QAM	1	24	14.05	14.22	14.05	
5	64QAM	12	0	14.27	14.15	14.09	
5	64QAM	12	7	13.88	14.08	14.13	14.5
5	64QAM	12	13	14.00	14.06	13.85	
5	64QAM	25	0	13.94	14.06	14.04	
5	256QAM	1	0	14.21	14.20	14.12	14.5
5	256QAM	1	12	13.86	14.19	14.05	
5	256QAM	1	24	14.13	14.13	13.95	
5	256QAM	12	0	14.19	14.19	14.23	14.5
5	256QAM	12	7	13.85	14.06	14.04	
5	256QAM	12	13	13.97	13.96	13.97	
5	256QAM	25	0	13.99	14.04	14.13	





<LTE Band 12\_Ant 0\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23060	23095	23130	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	23.14	23.40	23.05	24.5
10	QPSK	1	25	23.04	23.26	23.28	
10	QPSK	1	49	23.19	23.35	23.27	
10	QPSK	25	0	22.15	22.35	22.22	23.5
10	QPSK	25	12	22.26	22.28	22.33	
10	QPSK	25	25	22.23	22.23	22.17	
10	QPSK	50	0	22.19	22.26	22.13	23.5
10	16QAM	1	0	22.20	22.50	22.59	
10	16QAM	1	25	23.05	22.69	22.29	
10	16QAM	1	49	22.97	22.72	22.78	22.5
10	16QAM	25	0	21.14	21.13	21.25	
10	16QAM	25	12	21.30	21.28	21.26	
10	16QAM	25	25	21.26	21.30	21.29	22.5
10	16QAM	50	0	21.22	21.14	21.28	
10	64QAM	1	0	21.27	21.23	21.61	
10	64QAM	1	25	21.30	21.20	21.64	22.5
10	64QAM	1	49	21.68	21.49	21.31	
10	64QAM	25	0	20.08	20.08	20.20	
10	64QAM	25	12	20.31	20.22	20.29	21.5
10	64QAM	25	25	20.19	20.22	20.30	
10	64QAM	50	0	20.28	20.32	20.33	
10	256QAM	1	0	18.56	18.44	18.90	19.5
10	256QAM	1	25	18.50	18.46	18.90	
10	256QAM	1	49	18.95	18.72	18.54	
10	256QAM	25	0	17.67	17.63	17.77	19.5
10	256QAM	25	12	17.82	17.77	17.85	
10	256QAM	25	25	17.77	17.82	17.86	
10	256QAM	50	0	17.81	17.89	17.83	
Channel				23035	23095	23155	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	23.06	23.23	22.95	24.5
5	QPSK	1	12	22.97	23.11	23.18	
5	QPSK	1	24	23.02	23.28	23.21	
5	QPSK	12	0	22.03	21.91	22.10	23.5
5	QPSK	12	7	22.07	22.22	22.31	
5	QPSK	12	13	22.04	22.05	22.16	
5	QPSK	25	0	22.06	21.99	22.14	23.5
5	16QAM	1	0	22.04	22.36	22.56	
5	16QAM	1	12	23.03	22.55	22.27	
5	16QAM	1	24	22.84	22.63	22.59	22.5
5	16QAM	12	0	20.98	21.11	21.24	
5	16QAM	12	7	21.13	21.20	21.26	
5	16QAM	12	13	21.19	21.30	21.17	22.5
5	16QAM	25	0	21.11	21.05	21.16	
5	64QAM	1	0	21.18	21.12	21.44	
5	64QAM	1	12	21.24	21.07	21.46	22.5
5	64QAM	1	24	21.63	21.48	21.23	
5	64QAM	12	0	19.89	20.03	20.00	
5	64QAM	12	7	20.22	20.13	20.16	21.5
5	64QAM	12	13	20.17	20.09	20.19	
5	64QAM	25	0	20.18	20.23	20.20	
5	256QAM	1	0	18.48	18.46	18.91	19.5
5	256QAM	1	12	18.59	18.44	18.86	
5	256QAM	1	24	18.94	18.73	18.59	
5	256QAM	12	0	17.67	17.61	17.74	19.5



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5	256QAM	12	7	17.81	17.73	17.79	Tune-up limit(dBm)
5	256QAM	12	13	17.71	17.76	17.88	
5	256QAM	25	0	17.87	17.86	17.89	
Channel				23025	23095	23165	
Frequency (MHz)				700.5	707.5	714.5	24.5
3	QPSK	1	0	22.86	23.16	22.91	
3	QPSK	1	8	22.96	23.05	23.03	
3	QPSK	1	14	22.98	23.11	23.02	
3	QPSK	8	0	21.94	21.72	22.10	
3	QPSK	8	4	21.88	22.19	22.22	
3	QPSK	8	7	21.86	21.93	22.03	
3	QPSK	15	0	22.06	21.80	22.11	
3	16QAM	1	0	21.95	22.26	22.43	
3	16QAM	1	8	22.88	22.45	22.23	
3	16QAM	1	14	22.64	22.60	22.47	
3	16QAM	8	0	20.85	21.02	21.07	
3	16QAM	8	4	21.12	21.12	21.06	
3	16QAM	8	7	21.05	21.11	21.16	
3	16QAM	15	0	21.07	20.86	21.00	
3	64QAM	1	0	21.05	21.01	21.34	
3	64QAM	1	8	21.12	21.04	21.42	
3	64QAM	1	14	21.43	21.31	21.20	
3	64QAM	8	0	19.74	19.89	19.93	
3	64QAM	8	4	20.11	19.97	20.15	
3	64QAM	8	7	20.17	19.95	20.09	
3	64QAM	15	0	20.06	20.14	20.08	
3	256QAM	1	0	18.33	18.27	18.81	
3	256QAM	1	8	18.40	18.44	18.76	
3	256QAM	1	14	18.74	18.70	18.50	
3	256QAM	8	0	17.50	17.52	17.63	
3	256QAM	8	4	17.62	17.61	17.62	
3	256QAM	8	7	17.70	17.70	17.79	
3	256QAM	15	0	17.81	17.84	17.85	
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	22.97	23.22	23.22	
1.4	QPSK	1	3	22.96	23.17	23.36	
1.4	QPSK	1	5	23.02	23.21	23.30	
1.4	QPSK	3	0	23.10	23.15	23.23	
1.4	QPSK	3	1	23.20	23.08	23.19	
1.4	QPSK	3	3	22.99	23.22	23.24	
1.4	QPSK	6	0	22.14	22.11	22.30	
1.4	16QAM	1	0	22.56	22.51	22.83	
1.4	16QAM	1	3	22.54	22.46	22.85	
1.4	16QAM	1	5	22.49	22.41	22.44	
1.4	16QAM	3	0	22.61	22.35	22.49	
1.4	16QAM	3	1	22.43	22.39	22.48	
1.4	16QAM	3	3	22.19	22.39	22.69	
1.4	16QAM	6	0	21.34	21.15	21.34	
1.4	64QAM	1	0	20.83	21.11	21.47	
1.4	64QAM	1	3	21.30	21.35	21.50	
1.4	64QAM	1	5	21.54	21.37	21.52	
1.4	64QAM	3	0	21.24	21.26	21.43	
1.4	64QAM	3	1	21.12	21.52	21.47	
1.4	64QAM	3	3	21.42	21.17	21.43	
1.4	64QAM	6	0	20.16	20.26	20.54	
1.4	256QAM	1	0	17.85	18.19	18.48	
1.4	256QAM	1	3	18.38	18.35	18.58	
1.4	256QAM	1	5	18.64	18.39	18.52	
1.4	256QAM	3	0	18.34	18.34	18.52	
1.4	256QAM	3	1	18.19	18.56	18.51	
1.4	256QAM	3	3	18.46	18.20	18.45	
1.4	256QAM	6	0	17.71	17.86	18.13	



<LTE Band 12\_Ant 0\_Sensor ON\_NB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23060	23095	23130	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	22.22	22.51	22.29	23
10	QPSK	1	25	22.20	22.21	22.26	
10	QPSK	1	49	22.25	22.09	22.16	
10	QPSK	25	0	21.47	21.58	21.45	22
10	QPSK	25	12	21.43	21.45	21.44	
10	QPSK	25	25	21.34	21.41	21.41	
10	QPSK	50	0	21.34	21.45	21.41	
10	16QAM	1	0	21.51	21.47	21.55	22
10	16QAM	1	25	21.85	21.99	21.62	
10	16QAM	1	49	21.97	21.70	21.76	
10	16QAM	25	0	20.27	20.33	20.45	21
10	16QAM	25	12	20.44	20.35	20.49	
10	16QAM	25	25	20.26	20.50	20.59	
10	16QAM	50	0	20.31	20.47	20.55	
10	64QAM	1	0	20.72	20.16	20.15	21
10	64QAM	1	25	20.59	20.24	20.83	
10	64QAM	1	49	20.23	20.51	20.65	
10	64QAM	25	0	19.25	19.44	19.42	20
10	64QAM	25	12	19.43	19.35	19.53	
10	64QAM	25	25	19.35	19.54	19.60	
10	64QAM	50	0	19.45	19.36	19.49	
10	256QAM	1	0	17.41	16.74	16.75	18
10	256QAM	1	25	17.29	16.92	17.35	
10	256QAM	1	49	16.83	17.15	17.29	
10	256QAM	25	0	17.23	16.71	16.67	18
10	256QAM	25	12	17.21	16.81	17.50	
10	256QAM	25	25	17.25	16.83	16.70	
10	256QAM	50	0	17.23	16.83	17.46	
Channel				23035	23095	23155	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	22.07	22.08	22.08	23
5	QPSK	1	12	22.17	22.18	22.07	
5	QPSK	1	24	22.08	22.12	22.33	
5	QPSK	12	0	21.06	21.34	21.21	22
5	QPSK	12	7	21.23	21.36	21.40	
5	QPSK	12	13	21.20	21.29	21.47	
5	QPSK	25	0	21.15	21.22	21.37	
5	16QAM	1	0	21.39	21.35	21.45	22
5	16QAM	1	12	21.73	21.89	21.56	
5	16QAM	1	24	21.88	21.60	21.76	
5	16QAM	12	0	20.17	20.22	20.36	21
5	16QAM	12	7	20.34	20.29	20.35	
5	16QAM	12	13	20.26	20.41	20.48	
5	16QAM	25	0	20.15	20.36	20.52	
5	64QAM	1	0	20.68	19.97	19.95	21
5	64QAM	1	12	20.44	20.18	20.69	
5	64QAM	1	24	20.10	20.46	20.54	
5	64QAM	12	0	19.16	19.29	19.37	20
5	64QAM	12	7	19.33	19.28	19.45	
5	64QAM	12	13	19.29	19.35	19.55	
5	64QAM	25	0	19.41	19.30	19.43	
5	256QAM	1	0	17.40	16.56	16.74	18
5	256QAM	1	12	17.22	16.85	17.15	
5	256QAM	1	24	16.69	16.98	17.12	
5	256QAM	12	0	17.15	16.69	16.66	18



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5	256QAM	12	7	17.05	16.61	17.36	
5	256QAM	12	13	17.11	16.68	16.54	
5	256QAM	25	0	17.17	16.75	17.43	
Channel				23025	23095	23165	Tune-up limit(dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	22.14	21.93	22.13	23
3	QPSK	1	8	22.02	22.10	22.25	
3	QPSK	1	14	22.17	22.26	22.45	
3	QPSK	8	0	21.18	21.32	21.34	22
3	QPSK	8	4	21.29	21.43	21.24	
3	QPSK	8	7	21.25	21.29	21.39	
3	QPSK	15	0	21.15	21.18	21.24	22
3	16QAM	1	0	21.43	21.47	21.47	
3	16QAM	1	8	21.84	21.79	21.43	
3	16QAM	1	14	21.80	21.60	21.66	21
3	16QAM	8	0	20.19	20.15	20.36	
3	16QAM	8	4	20.42	20.33	20.35	
3	16QAM	8	7	20.19	20.30	20.55	21
3	16QAM	15	0	20.11	20.39	20.45	
3	64QAM	1	0	20.62	19.96	20.09	
3	64QAM	1	8	20.40	20.20	20.71	21
3	64QAM	1	14	20.03	20.47	20.47	
3	64QAM	8	0	19.10	19.33	19.28	
3	64QAM	8	4	19.40	19.18	19.39	20
3	64QAM	8	7	19.24	19.54	19.60	
3	64QAM	15	0	19.44	19.32	19.40	
3	256QAM	1	0	17.39	16.54	16.58	18
3	256QAM	1	8	17.22	16.73	17.18	
3	256QAM	1	14	16.66	17.08	17.09	
3	256QAM	8	0	17.23	16.57	16.59	18
3	256QAM	8	4	17.17	16.78	17.49	
3	256QAM	8	7	17.23	16.71	16.62	
3	256QAM	15	0	17.18	16.65	17.44	18
Channel				23017	23095	23173	
Frequency (MHz)				699.7	707.5	715.3	Tune-up limit (dBm)
1.4	QPSK	1	0	22.16	21.96	22.16	23
1.4	QPSK	1	3	22.09	22.14	22.20	
1.4	QPSK	1	5	22.08	22.18	22.34	
1.4	QPSK	3	0	21.19	21.34	21.24	
1.4	QPSK	3	1	21.26	21.45	21.38	
1.4	QPSK	3	3	21.19	21.34	21.55	22
1.4	QPSK	6	0	21.34	21.28	21.28	
1.4	16QAM	1	0	21.33	21.36	21.52	22
1.4	16QAM	1	3	21.72	21.86	21.52	
1.4	16QAM	1	5	21.89	21.64	21.74	
1.4	16QAM	3	0	20.11	20.16	20.36	
1.4	16QAM	3	1	20.40	20.18	20.35	
1.4	16QAM	3	3	20.25	20.46	20.39	21
1.4	16QAM	6	0	20.27	20.43	20.54	
1.4	64QAM	1	0	20.67	20.16	20.05	21
1.4	64QAM	1	3	20.39	20.07	20.83	
1.4	64QAM	1	5	20.21	20.48	20.63	
1.4	64QAM	3	0	19.19	19.24	19.37	
1.4	64QAM	3	1	19.29	19.32	19.49	
1.4	64QAM	3	3	19.17	19.35	19.51	20
1.4	64QAM	6	0	19.26	19.16	19.37	
1.4	256QAM	1	0	17.40	16.65	16.57	18
1.4	256QAM	1	3	17.11	16.81	17.25	
1.4	256QAM	1	5	16.82	16.97	17.17	
1.4	256QAM	3	0	17.19	16.68	16.64	
1.4	256QAM	3	1	17.14	16.64	17.39	
1.4	256QAM	3	3	17.08	16.70	16.61	18
1.4	256QAM	6	0	17.11	16.66	17.31	



<LTE Band 12\_Ant 0\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23060	23095	23130	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	18.52	18.66	18.63	19
10	QPSK	1	25	18.30	18.46	18.42	
10	QPSK	1	49	18.41	18.46	18.40	
10	QPSK	25	0	17.51	17.54	17.50	18
10	QPSK	25	12	17.35	17.37	17.36	
10	QPSK	25	25	17.42	17.40	17.39	
10	QPSK	50	0	17.37	17.50	17.36	
10	16QAM	1	0	17.65	17.66	17.64	18
10	16QAM	1	25	17.68	17.67	17.65	
10	16QAM	1	49	17.47	17.50	17.49	
10	16QAM	25	0	16.42	16.66	16.49	17
10	16QAM	25	12	16.37	16.49	16.41	
10	16QAM	25	25	16.32	16.45	16.40	
10	16QAM	50	0	16.36	16.48	16.33	
10	64QAM	1	0	16.40	16.76	16.51	17
10	64QAM	1	25	16.45	16.45	16.40	
10	64QAM	1	49	16.19	16.46	16.50	
10	64QAM	25	0	15.22	15.46	15.40	16
10	64QAM	25	12	15.39	15.47	15.46	
10	64QAM	25	25	15.40	15.62	15.29	
10	64QAM	50	0	15.28	15.53	15.26	
10	256QAM	1	0	13.34	13.29	13.40	14
10	256QAM	1	25	13.32	13.47	13.24	
10	256QAM	1	49	13.27	13.43	13.10	
10	256QAM	25	0	13.05	13.35	13.31	14
10	256QAM	25	12	13.28	13.44	13.44	
10	256QAM	25	25	13.27	13.44	13.23	
10	256QAM	50	0	13.17	13.44	13.08	
Channel				23035	23095	23155	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	18.50	18.56	18.43	19
5	QPSK	1	12	18.10	18.36	18.29	
5	QPSK	1	24	18.21	18.38	18.36	
5	QPSK	12	0	17.41	17.53	17.50	18
5	QPSK	12	7	17.22	17.19	17.17	
5	QPSK	12	13	17.39	17.29	17.35	
5	QPSK	25	0	17.27	17.47	17.32	
5	16QAM	1	0	17.57	17.60	17.57	18
5	16QAM	1	12	17.53	17.57	17.60	
5	16QAM	1	24	17.47	17.40	17.42	
5	16QAM	12	0	16.40	16.63	16.42	17
5	16QAM	12	7	16.34	16.30	16.28	
5	16QAM	12	13	16.12	16.37	16.36	
5	16QAM	25	0	16.17	16.40	16.18	
5	64QAM	1	0	16.22	16.70	16.35	17
5	64QAM	1	12	16.33	16.31	16.35	
5	64QAM	1	24	16.15	16.34	16.46	
5	64QAM	12	0	15.06	15.44	15.23	16
5	64QAM	12	7	15.26	15.41	15.41	
5	64QAM	12	13	15.26	15.53	15.12	
5	64QAM	25	0	15.15	15.51	15.16	
5	256QAM	1	0	13.23	13.23	13.30	14
5	256QAM	1	12	13.14	13.42	13.18	
5	256QAM	1	24	13.07	13.38	13.07	
5	256QAM	12	0	12.89	13.28	13.27	14



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5	256QAM	12	7	13.16	13.30	13.39	
5	256QAM	12	13	13.07	13.27	13.11	
5	256QAM	25	0	13.01	13.37	12.99	
Channel				23025	23095	23165	Tune-up limit(dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	18.33	18.52	18.47	19
3	QPSK	1	8	18.24	18.35	18.33	
3	QPSK	1	14	18.21	18.43	18.25	
3	QPSK	8	0	17.48	17.50	17.44	18
3	QPSK	8	4	17.16	17.34	17.17	
3	QPSK	8	7	17.40	17.23	17.38	
3	QPSK	15	0	17.25	17.47	17.29	18
3	16QAM	1	0	17.63	17.56	17.53	
3	16QAM	1	8	17.48	17.63	17.53	
3	16QAM	1	14	17.30	17.39	17.43	17
3	16QAM	8	0	16.32	16.48	16.32	
3	16QAM	8	4	16.21	16.34	16.33	
3	16QAM	8	7	16.31	16.33	16.27	17
3	16QAM	15	0	16.36	16.36	16.28	
3	64QAM	1	0	16.29	16.63	16.49	
3	64QAM	1	8	16.27	16.36	16.30	17
3	64QAM	1	14	16.10	16.37	16.45	
3	64QAM	8	0	15.21	15.44	15.26	
3	64QAM	8	4	15.28	15.36	15.36	16
3	64QAM	8	7	15.21	15.42	15.14	
3	64QAM	15	0	15.14	15.41	15.15	
3	256QAM	1	0	13.34	13.15	13.33	14
3	256QAM	1	8	13.32	13.46	13.12	
3	256QAM	1	14	13.12	13.42	13.01	
3	256QAM	8	0	12.97	13.21	13.19	14
3	256QAM	8	4	13.21	13.41	13.37	
3	256QAM	8	7	13.14	13.24	13.23	
3	256QAM	15	0	13.16	13.25	13.01	
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	18.52	18.60	18.46	19
1.4	QPSK	1	3	18.25	18.38	18.23	
1.4	QPSK	1	5	18.35	18.27	18.20	
1.4	QPSK	3	0	17.38	17.35	17.43	18
1.4	QPSK	3	1	17.24	17.26	17.34	
1.4	QPSK	3	3	17.36	17.25	17.31	
1.4	QPSK	6	0	17.27	17.45	17.29	18
1.4	16QAM	1	0	17.48	17.50	17.45	18
1.4	16QAM	1	3	17.60	17.58	17.62	
1.4	16QAM	1	5	17.30	17.43	17.32	
1.4	16QAM	3	0	16.23	16.61	16.47	18
1.4	16QAM	3	1	16.25	16.47	16.23	
1.4	16QAM	3	3	16.15	16.35	16.29	
1.4	16QAM	6	0	16.23	16.47	16.17	17
1.4	64QAM	1	0	16.37	16.68	16.35	17
1.4	64QAM	1	3	16.26	16.36	16.20	
1.4	64QAM	1	5	15.99	16.29	16.48	
1.4	64QAM	3	0	15.02	15.45	15.39	17
1.4	64QAM	3	1	15.39	15.47	15.44	
1.4	64QAM	3	3	15.22	15.50	15.09	
1.4	64QAM	6	0	15.17	15.52	15.19	16
1.4	256QAM	1	0	13.16	13.22	13.25	14
1.4	256QAM	1	3	13.19	13.44	13.09	
1.4	256QAM	1	5	13.20	13.30	12.97	
1.4	256QAM	3	0	12.89	13.24	13.11	14
1.4	256QAM	3	1	13.28	13.33	13.38	
1.4	256QAM	3	3	13.12	13.38	13.23	
1.4	256QAM	6	0	13.08	13.33	13.05	14



<LTE Band 13\_Ant 0\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23230			
Frequency (MHz)				782			
10	QPSK	1	0		23.44		24.5
10	QPSK	1	25		23.40		
10	QPSK	1	49		23.32		
10	QPSK	25	0		22.43		23.5
10	QPSK	25	12		22.33		
10	QPSK	25	25		22.40		
10	QPSK	50	0		22.47		23.5
10	16QAM	1	0		22.88		
10	16QAM	1	25		22.70		
10	16QAM	1	49		22.97		22.5
10	16QAM	25	0		21.39		
10	16QAM	25	12		21.47		
10	16QAM	25	25		21.41		22.5
10	16QAM	50	0		21.42		
10	64QAM	1	0		21.80		
10	64QAM	1	25		21.36		22.5
10	64QAM	1	49		21.64		
10	64QAM	25	0		20.38		
10	64QAM	25	12		20.55		21.5
10	64QAM	25	25		20.38		
10	64QAM	50	0		20.40		
10	256QAM	1	0		19.01		19.5
10	256QAM	1	25		18.64		
10	256QAM	1	49		18.92		
10	256QAM	25	0		17.89		19.5
10	256QAM	25	12		18.09		
10	256QAM	25	25		17.88		
10	256QAM	50	0		18.00		
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	23.42	23.26	23.26	24.5
5	QPSK	1	12	23.37	23.29	23.37	
5	QPSK	1	24	23.28	23.28	23.23	
5	QPSK	12	0	22.15	22.21	22.23	23.5
5	QPSK	12	7	22.37	22.27	22.38	
5	QPSK	12	13	22.24	22.32	22.40	
5	QPSK	25	0	22.44	22.28	22.47	23.5
5	16QAM	1	0	22.81	22.82	22.72	
5	16QAM	1	12	22.66	22.50	22.50	
5	16QAM	1	24	22.86	22.85	22.91	22.5
5	16QAM	12	0	21.20	21.20	21.19	
5	16QAM	12	7	21.38	21.36	21.35	
5	16QAM	12	13	21.21	21.23	21.28	22.5
5	16QAM	25	0	21.38	21.30	21.27	
5	64QAM	1	0	21.60	21.61	21.61	
5	64QAM	1	12	21.26	21.34	21.26	22.5
5	64QAM	1	24	21.60	21.44	21.48	
5	64QAM	12	0	20.26	20.34	20.35	
5	64QAM	12	7	20.37	20.42	20.53	21.5
5	64QAM	12	13	20.28	20.24	20.32	
5	64QAM	25	0	20.24	20.23	20.25	
5	256QAM	1	0	18.89	18.81	18.86	19.5
5	256QAM	1	12	18.44	18.44	18.60	
5	256QAM	1	24	18.84	18.81	18.86	
5	256QAM	12	0	17.69	17.81	17.77	19.5



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5	256QAM	12	7	18.08	17.93	17.93
5	256QAM	12	13	17.71	17.73	17.81
5	256QAM	25	0	17.98	17.90	18.02

**<LTE Band 13\_Ant 0\_Sensor ON\_NB>**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23230			
Frequency (MHz)				782			
10	QPSK	1	0		22.47		23
10	QPSK	1	25		22.43		
10	QPSK	1	49		22.42		
10	QPSK	25	0		21.56		22
10	QPSK	25	12		21.53		
10	QPSK	25	25		21.45		
10	QPSK	50	0		21.43		22
10	16QAM	1	0		21.94		
10	16QAM	1	25		21.76		
10	16QAM	1	49		21.67		21
10	16QAM	25	0		20.41		
10	16QAM	25	12		20.54		
10	16QAM	25	25		20.55		21
10	16QAM	50	0		20.54		
10	64QAM	1	0		20.79		
10	64QAM	1	25		20.66		21
10	64QAM	1	49		20.60		
10	64QAM	25	0		19.50		
10	64QAM	25	12		19.54		20
10	64QAM	25	25		19.50		
10	64QAM	50	0		19.53		
10	256QAM	1	0		17.32		18
10	256QAM	1	25		17.32		
10	256QAM	1	49		17.30		
10	256QAM	25	0		16.76		18
10	256QAM	25	12		17.46		
10	256QAM	25	25		17.31		
10	256QAM	50	0		17.47		
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	22.38	22.39	22.27	23
5	QPSK	1	12	22.27	22.42	22.40	
5	QPSK	1	24	22.35	22.26	22.30	
5	QPSK	12	0	21.34	21.36	21.28	22
5	QPSK	12	7	21.50	21.51	21.47	
5	QPSK	12	13	21.48	21.37	21.38	
5	QPSK	25	0	21.35	21.31	21.25	22
5	16QAM	1	0	21.83	21.86	21.91	
5	16QAM	1	12	21.70	21.63	21.63	
5	16QAM	1	24	21.49	21.58	21.49	22
5	16QAM	12	0	20.24	20.25	20.38	
5	16QAM	12	7	20.34	20.51	20.52	
5	16QAM	12	13	20.44	20.49	20.46	21
5	16QAM	25	0	20.34	20.44	20.46	
5	64QAM	1	0	20.71	20.70	20.78	
5	64QAM	1	12	20.62	20.52	20.47	21
5	64QAM	1	24	20.50	20.54	20.45	
5	64QAM	12	0	19.43	19.39	19.37	
5	64QAM	12	7	19.42	19.52	19.36	20
5	64QAM	12	13	19.38	19.42	19.46	
5	64QAM	25	0	19.36	19.37	19.33	
5	256QAM	1	0	17.23	17.23	17.13	18





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5	256QAM	1	12	17.23	17.18	17.28	18
5	256QAM	1	24	17.15	17.25	17.29	
5	256QAM	12	0	16.76	16.76	16.59	
5	256QAM	12	7	17.45	17.31	17.38	
5	256QAM	12	13	17.17	17.28	17.27	
5	256QAM	25	0	17.35	17.47	17.41	

**<LTE Band 13\_Ant 0\_Sensor ON\_TB>**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23230			
Frequency (MHz)				782			
10	QPSK	1	0		18.57		19
10	QPSK	1	25		18.49		
10	QPSK	1	49		18.55		
10	QPSK	25	0		17.60		18
10	QPSK	25	12		17.58		
10	QPSK	25	25		17.54		
10	QPSK	50	0		17.52		18
10	16QAM	1	0		17.86		
10	16QAM	1	25		17.69		
10	16QAM	1	49		17.60		17
10	16QAM	25	0		16.59		
10	16QAM	25	12		16.64		
10	16QAM	25	25		16.56		17
10	16QAM	50	0		16.62		
10	64QAM	1	0		16.81		
10	64QAM	1	25		16.71		17
10	64QAM	1	49		16.51		
10	64QAM	25	0		15.61		
10	64QAM	25	12		15.47		16
10	64QAM	25	25		15.57		
10	64QAM	50	0		15.58		
10	256QAM	1	0		13.29		14
10	256QAM	1	25		13.47		
10	256QAM	1	49		13.43		
10	256QAM	25	0		13.35		14
10	256QAM	25	12		13.44		
10	256QAM	25	25		13.44		
10	256QAM	50	0		13.44		
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	18.50	18.54	18.46	19
5	QPSK	1	12	18.31	18.43	18.41	
5	QPSK	1	24	18.47	18.53	18.37	
5	QPSK	12	0	17.47	17.56	17.54	18
5	QPSK	12	7	17.41	17.57	17.55	
5	QPSK	12	13	17.54	17.39	17.37	
5	QPSK	25	0	17.43	17.44	17.35	18
5	16QAM	1	0	17.67	17.73	17.69	
5	16QAM	1	12	17.67	17.59	17.56	
5	16QAM	1	24	17.56	17.46	17.60	17
5	16QAM	12	0	16.50	16.42	16.51	
5	16QAM	12	7	16.46	16.61	16.55	
5	16QAM	12	13	16.42	16.45	16.42	17
5	16QAM	25	0	16.62	16.44	16.45	
5	64QAM	1	0	16.73	16.77	16.64	
5	64QAM	1	12	16.56	16.54	16.70	17
5	64QAM	1	24	16.46	16.38	16.36	
5	64QAM	12	0	15.60	15.55	15.50	
5	64QAM	12	7	15.32	15.41	15.35	16



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5	64QAM	12	13	15.47	15.38	15.37	14
5	64QAM	25	0	15.44	15.56	15.51	
5	256QAM	1	0	13.17	13.27	13.12	
5	256QAM	1	12	13.31	13.34	13.31	
5	256QAM	1	24	13.42	13.37	13.40	
5	256QAM	12	0	13.28	13.32	13.19	14
5	256QAM	12	7	13.34	13.36	13.40	
5	256QAM	12	13	13.39	13.27	13.37	
5	256QAM	25	0	13.30	13.44	13.32	

**<LTE Band 14\_Ant 0\_Sensor OFF\_NB/TB>**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23330			Tune-up limit (dBm)
Frequency (MHz)				793			
10	QPSK	1	0		23.60		24.5
10	QPSK	1	25		23.58		
10	QPSK	1	49		23.20		
10	QPSK	25	0		22.51		23.5
10	QPSK	25	12		22.45		
10	QPSK	25	25		22.41		
10	QPSK	50	0		22.44		23.5
10	16QAM	1	0		22.98		
10	16QAM	1	25		22.87		
10	16QAM	1	49		23.09		22.5
10	16QAM	25	0		21.57		
10	16QAM	25	12		21.56		
10	16QAM	25	25		21.56		22.5
10	16QAM	50	0		21.48		
10	64QAM	1	0		21.30		
10	64QAM	1	25		21.27		22.5
10	64QAM	1	49		21.60		
10	64QAM	25	0		20.55		
10	64QAM	25	12		20.55		21.5
10	64QAM	25	25		20.50		
10	64QAM	50	0		20.51		
10	256QAM	1	0		18.56		19.5
10	256QAM	1	25		18.49		
10	256QAM	1	49		18.90		
10	256QAM	25	0		18.13		19.5
10	256QAM	25	12		18.10		
10	256QAM	25	25		18.07		
10	256QAM	50	0		18.07		Tune-up limit (dBm)
Channel				23305	23330	23355	
Frequency (MHz)				790.5	793	795.5	
5	QPSK	1	0	23.57	23.44	23.57	24.5
5	QPSK	1	12	23.49	23.38	23.49	
5	QPSK	1	24	23.18	23.12	23.03	
5	QPSK	12	0	22.35	22.33	22.41	23.5
5	QPSK	12	7	22.46	22.33	22.48	
5	QPSK	12	13	22.29	22.21	22.30	
5	QPSK	25	0	22.40	22.24	22.40	23.5
5	16QAM	1	0	22.87	22.88	22.85	
5	16QAM	1	12	22.73	22.67	22.72	
5	16QAM	1	24	23.04	22.96	22.93	22.5
5	16QAM	12	0	21.47	21.37	21.56	
5	16QAM	12	7	21.55	21.55	21.51	
5	16QAM	12	13	21.46	21.38	21.49	22.5
5	16QAM	25	0	21.36	21.45	21.37	
5	64QAM	1	0	21.23	21.26	21.14	
5	64QAM	1	12	21.26	21.24	21.07	22.5



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5	64QAM	1	24	21.44	21.50	21.53	21.5
5	64QAM	12	0	20.37	20.45	20.50	
5	64QAM	12	7	20.37	20.49	20.54	
5	64QAM	12	13	20.35	20.32	20.34	
5	64QAM	25	0	20.33	20.32	20.46	19.5
5	256QAM	1	0	18.37	18.55	18.54	
5	256QAM	1	12	18.41	18.45	18.35	
5	256QAM	1	24	18.82	18.88	18.77	
5	256QAM	12	0	18.09	18.10	17.93	19.5
5	256QAM	12	7	17.97	17.91	18.02	
5	256QAM	12	13	17.92	17.93	18.07	
5	256QAM	25	0	17.98	17.95	18.03	

**<LTE Band 14\_Ant 0\_Sensor ON\_NB>**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23330			Tune-up limit (dBm)
Frequency (MHz)				793			
10	QPSK	1	0		22.76		23
10	QPSK	1	25		22.45		
10	QPSK	1	49		22.55		
10	QPSK	25	0		21.64		22
10	QPSK	25	12		21.60		
10	QPSK	25	25		21.57		
10	QPSK	50	0		21.60		22
10	16QAM	1	0		21.74		
10	16QAM	1	25		21.95		
10	16QAM	1	49		21.92		21
10	16QAM	25	0		20.69		
10	16QAM	25	12		20.62		
10	16QAM	25	25		20.61		21
10	16QAM	50	0		20.60		
10	64QAM	1	0		20.98		
10	64QAM	1	25		20.94		21
10	64QAM	1	49		20.76		
10	64QAM	25	0		19.67		
10	64QAM	25	12		19.60		20
10	64QAM	25	25		19.65		
10	64QAM	50	0		19.65		
10	256QAM	1	0		17.58		18
10	256QAM	1	25		17.62		
10	256QAM	1	49		17.55		
10	256QAM	25	0		17.51		18
10	256QAM	25	12		17.53		
10	256QAM	25	25		17.65		
10	256QAM	50	0		17.53		
Channel				23305	23330	23355	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	QPSK	1	0	22.25	22.38	22.28	23
5	QPSK	1	12	22.64	22.63	22.66	
5	QPSK	1	24	22.37	22.40	22.54	
5	QPSK	12	0	21.58	21.56	21.46	22
5	QPSK	12	7	21.41	21.60	21.40	
5	QPSK	12	13	21.38	21.43	21.50	
5	QPSK	25	0	21.41	21.54	21.43	22
5	16QAM	1	0	21.57	21.65	21.59	
5	16QAM	1	12	21.78	21.76	21.83	
5	16QAM	1	24	21.90	21.88	21.87	22
5	16QAM	12	0	20.58	20.60	20.52	
5	16QAM	12	7	20.43	20.45	20.52	
5	16QAM	12	13	20.57	20.61	20.52	21



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5	16QAM	25	0	20.41	20.57	20.56	
5	64QAM	1	0	20.93	20.88	20.95	21
5	64QAM	1	12	20.80	20.94	20.74	
5	64QAM	1	24	20.65	20.58	20.74	
5	64QAM	12	0	19.64	19.53	19.63	20
5	64QAM	12	7	19.42	19.46	19.43	
5	64QAM	12	13	19.56	19.58	19.49	
5	64QAM	25	0	19.63	19.49	19.55	
5	256QAM	1	0	17.58	17.55	17.39	18
5	256QAM	1	12	17.60	17.45	17.53	
5	256QAM	1	24	17.37	17.42	17.43	
5	256QAM	12	0	17.33	17.36	17.38	18
5	256QAM	12	7	17.53	17.40	17.45	
5	256QAM	12	13	17.60	17.49	17.48	
5	256QAM	25	0	17.47	17.50	17.45	

**<LTE Band 14\_Ant 0\_Sensor ON\_TB>**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23330			
Frequency (MHz)				793			
10	QPSK	1	0		18.75		19
10	QPSK	1	25		18.71		
10	QPSK	1	49		18.59		
10	QPSK	25	0		17.65		18
10	QPSK	25	12		17.59		
10	QPSK	25	25		17.57		
10	QPSK	50	0		17.63		18
10	16QAM	1	0		17.99		
10	16QAM	1	25		17.88		
10	16QAM	1	49		17.89		17
10	16QAM	25	0		16.60		
10	16QAM	25	12		16.77		
10	16QAM	25	25		16.69		17
10	16QAM	50	0		16.66		
10	64QAM	1	0		16.99		
10	64QAM	1	25		16.53		16
10	64QAM	1	49		16.83		
10	64QAM	25	0		15.66		
10	64QAM	25	12		15.57		14
10	64QAM	25	25		15.65		
10	64QAM	50	0		15.50		
10	256QAM	1	0		13.24		14
10	256QAM	1	25		13.47		
10	256QAM	1	49		13.33		
10	256QAM	25	0		13.27		14
10	256QAM	25	12		13.25		
10	256QAM	25	25		13.25		
10	256QAM	50	0		13.37		
Channel				23305	23330	23355	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	QPSK	1	0	18.57	18.67	18.63	19
5	QPSK	1	12	18.64	18.63	18.68	
5	QPSK	1	24	18.48	18.54	18.45	
5	QPSK	12	0	17.51	17.61	17.63	18
5	QPSK	12	7	17.41	17.40	17.56	
5	QPSK	12	13	17.46	17.54	17.41	
5	QPSK	25	0	17.56	17.62	17.63	18
5	16QAM	1	0	17.86	17.91	17.92	
5	16QAM	1	12	17.72	17.83	17.84	
5	16QAM	1	24	17.84	17.79	17.80	



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5	16QAM	12	0	16.58	16.45	16.57	17
5	16QAM	12	7	16.68	16.64	16.75	
5	16QAM	12	13	16.63	16.67	16.53	
5	16QAM	25	0	16.63	16.50	16.47	
5	64QAM	1	0	16.85	16.82	16.89	17
5	64QAM	1	12	16.50	16.42	16.38	
5	64QAM	1	24	16.65	16.70	16.67	
5	64QAM	12	0	15.53	15.62	15.48	16
5	64QAM	12	7	15.44	15.47	15.45	
5	64QAM	12	13	15.53	15.59	15.62	
5	64QAM	25	0	15.35	15.35	15.41	
5	256QAM	1	0	13.17	13.06	13.07	14
5	256QAM	1	12	13.39	13.47	13.28	
5	256QAM	1	24	13.23	13.13	13.23	
5	256QAM	12	0	13.23	13.11	13.10	14
5	256QAM	12	7	13.12	13.10	13.06	
5	256QAM	12	13	13.21	13.21	13.06	
5	256QAM	25	0	13.24	13.30	13.24	

**<LTE Band 17\_Ant 0\_Sensor OFF\_NB/TB>**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23780	23790	23800	
Frequency (MHz)				709	710	711	
10	QPSK	1	0	23.20	23.30	23.28	24.5
10	QPSK	1	25	23.29	23.11	23.24	
10	QPSK	1	49	23.23	23.28	23.19	
10	QPSK	25	0	22.20	22.39	22.18	23.5
10	QPSK	25	12	22.23	22.19	22.27	
10	QPSK	25	25	22.36	22.35	22.19	
10	QPSK	50	0	22.29	22.30	22.23	23.5
10	16QAM	1	0	22.95	22.60	22.78	
10	16QAM	1	25	22.85	22.96	22.66	
10	16QAM	1	49	22.41	22.95	22.72	22.5
10	16QAM	25	0	21.15	21.23	21.19	
10	16QAM	25	12	21.40	21.23	21.33	
10	16QAM	25	25	21.33	21.41	21.34	22.5
10	16QAM	50	0	21.28	21.25	21.17	
10	64QAM	1	0	21.27	21.47	21.38	
10	64QAM	1	25	21.33	21.68	21.52	22.5
10	64QAM	1	49	21.62	21.21	21.72	
10	64QAM	25	0	20.18	20.18	20.17	
10	64QAM	25	12	20.24	20.22	20.22	21.5
10	64QAM	25	25	20.38	20.33	20.29	
10	64QAM	50	0	20.28	20.20	20.23	
10	256QAM	1	0	18.55	18.74	18.60	19.5
10	256QAM	1	25	18.63	18.95	18.78	
10	256QAM	1	49	18.87	18.45	18.92	
10	256QAM	25	0	17.73	17.68	17.74	19.5
10	256QAM	25	12	17.82	17.80	17.72	
10	256QAM	25	25	17.98	17.86	17.86	
10	256QAM	50	0	17.88	17.70	17.76	
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	23.05	23.22	23.08	24.5
5	QPSK	1	12	23.21	23.09	23.13	
5	QPSK	1	24	23.17	23.13	23.12	
5	QPSK	12	0	22.10	22.03	22.02	23.5
5	QPSK	12	7	22.08	21.99	22.19	
5	QPSK	12	13	22.17	22.23	22.30	
5	QPSK	25	0	22.18	22.22	22.20	



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5	16QAM	1	0	22.95	22.41	22.70	23.5
5	16QAM	1	12	22.79	22.79	22.62	
5	16QAM	1	24	22.27	22.91	22.52	
5	16QAM	12	0	21.11	21.20	21.02	22.5
5	16QAM	12	7	21.24	21.10	21.13	
5	16QAM	12	13	21.14	21.41	21.29	
5	16QAM	25	0	21.18	21.07	21.17	22.5
5	64QAM	1	0	21.21	21.40	21.31	
5	64QAM	1	12	21.24	21.57	21.44	
5	64QAM	1	24	21.55	21.01	21.66	21.5
5	64QAM	12	0	20.16	20.00	20.14	
5	64QAM	12	7	20.19	20.18	20.12	
5	64QAM	12	13	20.25	20.18	20.14	19.5
5	64QAM	25	0	20.12	20.14	20.21	
5	256QAM	1	0	18.47	18.63	18.49	
5	256QAM	1	12	18.58	18.84	18.58	19.5
5	256QAM	1	24	18.82	18.27	18.79	
5	256QAM	12	0	17.56	17.57	17.62	
5	256QAM	12	7	17.62	17.79	17.56	19.5
5	256QAM	12	13	17.89	17.76	17.89	
5	256QAM	25	0	17.73	17.51	17.71	

**<LTE Band 17\_Ant 0\_Sensor ON\_NB>**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	
Channel				23780	23790	23800		
Frequency (MHz)				709	710	711		
10	QPSK	1	0	22.22	22.49	22.31	23	
10	QPSK	1	25	22.21	22.25	22.27		
10	QPSK	1	49	22.31	22.28	22.41		
10	QPSK	25	0	21.41	21.55	21.32	22	
10	QPSK	25	12	21.49	21.43	21.47		
10	QPSK	25	25	21.36	21.54	21.50		
10	QPSK	50	0	21.45	21.37	21.49	22	
10	16QAM	1	0	21.80	21.67	21.44		
10	16QAM	1	25	21.81	21.78	21.30		
10	16QAM	1	49	21.78	21.99	21.96	21	
10	16QAM	25	0	20.34	20.39	20.50		
10	16QAM	25	12	20.47	20.32	20.39		
10	16QAM	25	25	20.54	20.34	20.42	21	
10	16QAM	50	0	20.38	20.30	20.38		
10	64QAM	1	0	20.50	20.72	20.56		
10	64QAM	1	25	20.83	20.74	20.19	21	
10	64QAM	1	49	20.52	20.53	20.76		
10	64QAM	25	0	19.30	19.42	19.36		
10	64QAM	25	12	19.51	19.39	19.50	20	
10	64QAM	25	25	19.38	19.53	19.55		
10	64QAM	50	0	19.42	19.40	19.34		
10	256QAM	1	0	17.04	17.24	17.23	18	
10	256QAM	1	25	17.02	17.23	17.18		
10	256QAM	1	49	17.20	17.34	17.16		
10	256QAM	25	0	17.06	17.25	17.12	18	
10	256QAM	25	12	17.03	17.32	17.17		
10	256QAM	25	25	17.19	17.41	17.20		
10	256QAM	50	0	17.03	17.42	17.20	18	
Channel				23755	23790	23825		Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5		
5	QPSK	1	0	22.16	22.03	22.12	23	
5	QPSK	1	12	22.03	22.13	22.09		
5	QPSK	1	24	22.18	22.19	22.38		
5	QPSK	12	0	21.26	21.22	21.12	22	



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5	QPSK	12	7	21.49	21.24	21.28	
5	QPSK	12	13	21.43	21.34	21.48	
5	QPSK	25	0	21.45	21.32	21.43	
5	16QAM	1	0	21.68	21.54	21.37	22
5	16QAM	1	12	21.80	21.74	21.24	
5	16QAM	1	24	21.71	21.95	21.77	
5	16QAM	12	0	20.21	20.20	20.31	21
5	16QAM	12	7	20.40	20.31	20.36	
5	16QAM	12	13	20.51	20.33	20.27	
5	16QAM	25	0	20.34	20.15	20.20	21
5	64QAM	1	0	20.49	20.54	20.56	
5	64QAM	1	12	20.71	20.73	19.99	
5	64QAM	1	24	20.41	20.45	20.68	20
5	64QAM	12	0	19.28	19.26	19.21	
5	64QAM	12	7	19.50	19.33	19.44	
5	64QAM	12	13	19.24	19.38	19.41	18
5	64QAM	25	0	19.35	19.25	19.20	
5	256QAM	1	0	16.96	17.09	17.18	
5	256QAM	1	12	17.00	17.10	17.14	18
5	256QAM	1	24	17.20	17.15	17.13	
5	256QAM	12	0	16.99	17.06	17.02	
5	256QAM	12	7	16.93	17.30	17.10	18
5	256QAM	12	13	17.02	17.32	17.07	
5	256QAM	25	0	16.99	17.32	17.02	

**<LTE Band 17\_Ant 0\_Sensor ON\_TB>**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				23780	23790	23800	
Frequency (MHz)				709	710	711	
10	QPSK	1	0	18.47	18.66	18.33	19
10	QPSK	1	25	18.27	18.38	18.27	
10	QPSK	1	49	18.51	18.57	18.49	
10	QPSK	25	0	17.47	17.58	17.48	18
10	QPSK	25	12	17.48	17.45	17.39	
10	QPSK	25	25	17.43	17.38	17.47	
10	QPSK	50	0	17.40	17.45	17.38	18
10	16QAM	1	0	17.68	17.76	17.70	
10	16QAM	1	25	17.66	17.60	17.66	
10	16QAM	1	49	17.47	17.74	17.69	17
10	16QAM	25	0	16.53	16.53	16.54	
10	16QAM	25	12	16.50	16.45	16.36	
10	16QAM	25	25	16.53	16.40	16.52	17
10	16QAM	50	0	16.34	16.31	16.31	
10	64QAM	1	0	16.39	16.64	16.60	
10	64QAM	1	25	16.46	16.52	16.64	17
10	64QAM	1	49	16.37	16.98	16.18	
10	64QAM	25	0	15.35	15.31	15.37	
10	64QAM	25	12	15.28	15.26	15.30	16
10	64QAM	25	25	15.46	15.36	15.41	
10	64QAM	50	0	15.38	15.27	15.26	
10	256QAM	1	0	13.44	13.53	13.52	14
10	256QAM	1	25	13.76	13.49	13.51	
10	256QAM	1	49	13.63	13.40	13.51	
10	256QAM	25	0	13.45	13.43	13.66	14
10	256QAM	25	12	13.52	13.54	13.58	
10	256QAM	25	25	13.67	13.54	13.62	
10	256QAM	50	0	13.51	13.57	13.36	
Channel				23755	23790	23825	
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	18.41	18.57	18.19	19



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5	QPSK	1	12	18.12	18.31	18.13	18
5	QPSK	1	24	18.46	18.37	18.45	
5	QPSK	12	0	17.27	17.53	17.44	
5	QPSK	12	7	17.32	17.34	17.24	
5	QPSK	12	13	17.34	17.21	17.29	
5	QPSK	25	0	17.38	17.26	17.27	
5	16QAM	1	0	17.68	17.64	17.62	18
5	16QAM	1	12	17.47	17.51	17.48	
5	16QAM	1	24	17.31	17.60	17.51	
5	16QAM	12	0	16.51	16.33	16.38	17
5	16QAM	12	7	16.45	16.42	16.20	
5	16QAM	12	13	16.52	16.22	16.43	
5	16QAM	25	0	16.21	16.11	16.23	
5	64QAM	1	0	16.36	16.45	16.43	17
5	64QAM	1	12	16.30	16.39	16.55	
5	64QAM	1	24	16.26	16.91	16.00	
5	64QAM	12	0	15.18	15.19	15.28	16
5	64QAM	12	7	15.11	15.06	15.13	
5	64QAM	12	13	15.32	15.32	15.34	
5	64QAM	25	0	15.20	15.10	15.17	
5	256QAM	1	0	13.30	13.36	13.34	14
5	256QAM	1	12	13.74	13.49	13.34	
5	256QAM	1	24	13.58	13.20	13.43	
5	256QAM	12	0	13.28	13.40	13.48	14
5	256QAM	12	7	13.42	13.52	13.41	
5	256QAM	12	13	13.56	13.50	13.54	
5	256QAM	25	0	13.43	13.57	13.33	

<LTE Band 25\_Ant 0\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	23.19	23.38	22.69	24
20	QPSK	1	49	23.08	23.01	22.71	
20	QPSK	1	99	23.04	23.06	22.50	23
20	QPSK	50	0	22.24	22.30	21.88	
20	QPSK	50	24	22.22	22.29	21.70	
20	QPSK	50	50	22.15	22.13	21.61	
20	QPSK	100	0	22.15	22.28	21.70	23
20	16QAM	1	0	21.85	22.19	21.84	
20	16QAM	1	49	22.11	22.16	21.63	
20	16QAM	1	99	22.17	22.24	21.50	22
20	16QAM	50	0	21.20	21.29	20.74	
20	16QAM	50	24	21.26	21.32	20.80	
20	16QAM	50	50	21.25	21.13	20.52	
20	16QAM	100	0	21.19	21.18	20.85	
20	64QAM	1	0	21.52	20.87	20.69	22
20	64QAM	1	49	21.66	21.25	20.77	
20	64QAM	1	99	21.01	20.99	20.07	
20	64QAM	50	0	20.27	20.13	19.75	21
20	64QAM	50	24	20.28	20.26	19.86	
20	64QAM	50	50	20.19	20.12	19.52	
20	64QAM	100	0	20.25	20.31	19.76	
20	256QAM	1	0	18.78	18.15	17.93	19
20	256QAM	1	49	18.94	18.45	18.07	
20	256QAM	1	99	18.26	18.23	17.29	
20	256QAM	50	0	17.56	17.34	17.11	19
20	256QAM	50	24	17.50	17.53	17.06	
20	256QAM	50	50	17.44	17.41	17.15	
20	256QAM	100	0	17.53	17.60	17.00	





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Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	23.13	22.97	22.74	24
15	QPSK	1	37	23.15	23.11	22.54	
15	QPSK	1	74	22.96	22.96	22.45	
15	QPSK	36	0	22.21	22.21	21.84	23
15	QPSK	36	20	22.28	22.19	21.69	
15	QPSK	36	39	22.29	22.16	21.60	
15	QPSK	75	0	22.27	22.25	21.69	23
15	16QAM	1	0	22.39	22.64	22.24	
15	16QAM	1	37	22.99	22.50	21.78	
15	16QAM	1	74	22.39	22.42	21.65	22
15	16QAM	36	0	21.21	21.40	20.84	
15	16QAM	36	20	21.23	21.27	20.59	
15	16QAM	36	39	21.27	21.13	20.63	22
15	16QAM	75	0	21.26	21.21	20.66	
15	64QAM	1	0	21.38	21.26	21.13	
15	64QAM	1	37	21.37	21.40	20.80	22
15	64QAM	1	74	21.04	21.06	20.65	
15	64QAM	36	0	20.28	20.26	19.78	
15	64QAM	36	20	20.22	20.25	19.67	21
15	64QAM	36	39	20.19	20.23	19.63	
15	64QAM	75	0	20.23	20.26	19.72	
15	256QAM	1	0	18.81	18.13	17.97	19
15	256QAM	1	37	18.86	18.49	18.07	
15	256QAM	1	74	18.23	18.22	17.30	
15	256QAM	36	0	17.53	17.37	17.19	19
15	256QAM	36	20	17.58	17.46	17.08	
15	256QAM	36	39	17.40	17.35	17.22	
15	256QAM	75	0	17.45	17.58	17.29	
Channel				26090	26340	26640	Tune-up limit(dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	23.07	22.77	22.54	24
10	QPSK	1	25	23.09	23.00	22.40	
10	QPSK	1	49	22.96	22.78	22.37	
10	QPSK	25	0	22.11	22.09	21.72	23
10	QPSK	25	12	22.17	22.14	21.56	
10	QPSK	25	25	22.20	22.01	21.40	
10	QPSK	50	0	22.15	22.05	21.68	23
10	16QAM	1	0	22.27	22.63	22.09	
10	16QAM	1	25	22.93	22.39	21.59	
10	16QAM	1	49	22.33	22.36	21.47	22
10	16QAM	25	0	21.11	21.30	20.76	
10	16QAM	25	12	21.13	21.11	20.50	
10	16QAM	25	25	21.18	21.02	20.60	22
10	16QAM	50	0	21.22	21.15	20.54	
10	64QAM	1	0	21.23	21.18	21.07	
10	64QAM	1	25	21.26	21.21	20.60	22
10	64QAM	1	49	21.00	20.98	20.58	
10	64QAM	25	0	20.14	20.13	19.58	
10	64QAM	25	12	20.11	20.23	19.62	21
10	64QAM	25	25	20.08	20.09	19.58	
10	64QAM	50	0	20.07	20.26	19.72	
10	256QAM	1	0	18.69	18.08	17.87	19
10	256QAM	1	25	18.77	18.38	17.90	
10	256QAM	1	49	18.03	18.22	17.28	
10	256QAM	25	0	17.47	17.25	17.00	19
10	256QAM	25	12	17.43	17.44	17.01	
10	256QAM	25	25	17.34	17.20	17.18	
10	256QAM	50	0	17.42	17.49	17.19	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	23.11	22.93	22.56	24



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5	QPSK	1	12	23.11	22.97	22.54	23
5	QPSK	1	24	22.88	22.83	22.35	
5	QPSK	12	0	22.07	22.10	21.72	
5	QPSK	12	7	22.23	22.09	21.58	
5	QPSK	12	13	22.22	21.98	21.50	
5	QPSK	25	0	22.27	22.13	21.61	
5	16QAM	1	0	22.21	22.48	22.04	23
5	16QAM	1	12	22.85	22.32	21.67	
5	16QAM	1	24	22.23	22.37	21.58	
5	16QAM	12	0	21.18	21.38	20.71	22
5	16QAM	12	7	21.13	21.20	20.59	
5	16QAM	12	13	21.16	21.01	20.47	
5	16QAM	25	0	21.08	21.13	20.51	
5	64QAM	1	0	21.20	21.17	21.09	22
5	64QAM	1	12	21.27	21.23	20.69	
5	64QAM	1	24	20.91	20.89	20.51	
5	64QAM	12	0	20.22	20.26	19.77	21
5	64QAM	12	7	20.17	20.19	19.58	
5	64QAM	12	13	20.12	20.03	19.60	
5	64QAM	25	0	20.19	20.08	19.72	
5	256QAM	1	0	18.62	18.11	17.93	19
5	256QAM	1	12	18.73	18.40	17.93	
5	256QAM	1	24	18.15	18.06	17.19	
5	256QAM	12	0	17.52	17.25	17.09	19
5	256QAM	12	7	17.47	17.37	17.11	
5	256QAM	12	13	17.38	17.32	17.23	
5	256QAM	25	0	17.26	17.43	17.24	
Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	23.03	22.96	22.56	24
3	QPSK	1	8	23.03	23.05	22.44	
3	QPSK	1	14	22.79	22.80	22.42	
3	QPSK	8	0	22.19	22.02	21.79	23
3	QPSK	8	4	22.08	22.14	21.54	
3	QPSK	8	7	22.17	22.16	21.43	
3	QPSK	15	0	22.20	22.14	21.56	
3	16QAM	1	0	22.39	22.56	22.06	23
3	16QAM	1	8	22.79	22.35	21.62	
3	16QAM	1	14	22.36	22.30	21.55	
3	16QAM	8	0	21.13	21.31	20.69	22
3	16QAM	8	4	21.07	21.19	20.45	
3	16QAM	8	7	21.08	21.06	20.59	
3	16QAM	15	0	21.08	21.02	20.60	
3	64QAM	1	0	21.33	21.13	21.00	22
3	64QAM	1	8	21.28	21.20	20.63	
3	64QAM	1	14	20.94	20.88	20.63	
3	64QAM	8	0	20.10	20.17	19.59	21
3	64QAM	8	4	20.06	20.08	19.64	
3	64QAM	8	7	20.13	20.05	19.43	
3	64QAM	15	0	20.22	20.06	19.64	
3	256QAM	1	0	18.73	18.03	17.79	19
3	256QAM	1	8	18.74	18.38	18.07	
3	256QAM	1	14	18.14	18.18	17.19	
3	256QAM	8	0	17.52	17.22	17.11	19
3	256QAM	8	4	17.55	17.39	17.19	
3	256QAM	8	7	17.24	17.29	17.16	
3	256QAM	15	0	17.32	17.41	17.34	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	23.10	23.28	22.63	24
1.4	QPSK	1	3	23.17	23.36	22.65	
1.4	QPSK	1	5	23.23	23.36	22.62	
1.4	QPSK	3	0	23.22	23.20	22.68	



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1.4	QPSK	3	1	23.25	23.36	22.74	23
1.4	QPSK	3	3	23.23	23.31	22.56	
1.4	QPSK	6	0	22.28	22.33	21.59	
1.4	16QAM	1	0	22.19	22.88	21.89	23
1.4	16QAM	1	3	22.67	22.72	22.17	
1.4	16QAM	1	5	22.62	22.51	21.94	
1.4	16QAM	3	0	22.31	22.41	21.83	
1.4	16QAM	3	1	22.43	22.76	21.69	
1.4	16QAM	3	3	22.47	22.39	21.88	
1.4	16QAM	6	0	21.23	21.49	20.74	22
1.4	64QAM	1	0	21.38	21.67	20.89	22
1.4	64QAM	1	3	21.19	21.72	20.62	
1.4	64QAM	1	5	21.68	21.40	20.51	
1.4	64QAM	3	0	21.59	21.59	20.96	
1.4	64QAM	3	1	21.45	21.29	20.81	
1.4	64QAM	3	3	21.44	21.45	20.69	
1.4	64QAM	6	0	20.36	20.56	19.84	21
1.4	256QAM	1	0	18.41	18.67	17.96	19
1.4	256QAM	1	3	18.27	18.78	17.64	
1.4	256QAM	1	5	18.76	18.48	17.59	
1.4	256QAM	3	0	18.60	18.65	18.06	
1.4	256QAM	3	1	18.47	18.38	17.87	
1.4	256QAM	3	3	18.54	18.52	17.73	
1.4	256QAM	6	0	17.96	18.14	17.44	19

**<LTE Band 25\_Ant 2\_Sensor OFF\_NB/TB>**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	24
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	23.11	23.25	23.20	24
20	QPSK	1	49	22.91	23.14	22.79	
20	QPSK	1	99	22.63	22.82	22.58	
20	QPSK	50	0	22.57	22.73	22.52	23
20	QPSK	50	24	22.51	22.71	22.40	
20	QPSK	50	50	22.32	22.65	22.47	
20	QPSK	100	0	22.57	22.80	22.64	23
20	16QAM	1	0	22.64	22.82	22.53	
20	16QAM	1	49	22.60	22.65	22.51	
20	16QAM	1	99	22.47	22.54	22.52	22
20	16QAM	50	0	21.62	21.68	21.57	
20	16QAM	50	24	21.56	21.73	21.47	
20	16QAM	50	50	21.40	21.53	21.47	22
20	16QAM	100	0	21.51	21.82	21.48	
20	64QAM	1	0	21.47	21.74	21.60	
20	64QAM	1	49	21.41	21.53	21.36	22
20	64QAM	1	99	21.32	21.48	21.35	
20	64QAM	50	0	20.46	20.58	20.45	
20	64QAM	50	24	20.46	20.64	20.51	21
20	64QAM	50	50	20.40	20.52	20.33	
20	64QAM	100	0	20.43	20.56	20.50	
20	256QAM	1	0	18.43	18.69	18.40	19
20	256QAM	1	49	18.36	18.50	18.42	
20	256QAM	1	99	18.12	18.21	18.15	
20	256QAM	50	0	18.51	18.50	18.40	19
20	256QAM	50	24	18.49	18.51	18.34	
20	256QAM	50	50	18.35	18.38	18.27	
20	256QAM	100	0	18.45	18.58	18.29	
Channel				26115	26340	26615	24
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	22.98	23.07	23.13	24



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15	QPSK	1	37	22.77	23.07	22.67	23
15	QPSK	1	74	22.51	22.69	22.39	
15	QPSK	36	0	22.53	22.58	22.23	
15	QPSK	36	20	22.36	22.55	22.30	
15	QPSK	36	39	22.21	22.52	22.36	
15	QPSK	75	0	22.38	22.69	22.56	23
15	16QAM	1	0	22.51	22.76	22.34	
15	16QAM	1	37	22.59	22.61	22.36	
15	16QAM	1	74	22.44	22.37	22.52	22
15	16QAM	36	0	21.45	21.48	21.54	
15	16QAM	36	20	21.53	21.67	21.31	
15	16QAM	36	39	21.29	21.37	21.44	
15	16QAM	75	0	21.48	21.78	21.38	
15	64QAM	1	0	21.30	21.58	21.47	22
15	64QAM	1	37	21.26	21.37	21.16	
15	64QAM	1	74	21.26	21.33	21.19	
15	64QAM	36	0	20.42	20.43	20.29	21
15	64QAM	36	20	20.26	20.46	20.36	
15	64QAM	36	39	20.37	20.49	20.18	
15	64QAM	75	0	20.29	20.43	20.34	
15	256QAM	1	0	18.23	18.49	18.25	
15	256QAM	1	37	18.22	18.30	18.35	19
15	256QAM	1	74	17.94	18.09	17.99	
15	256QAM	36	0	18.32	18.36	18.30	
15	256QAM	36	20	18.47	18.41	18.25	19
15	256QAM	36	39	18.29	18.26	18.16	
15	256QAM	75	0	18.34	18.55	18.19	
Channel				26090	26340	26640	Tune-up limit(dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	23.07	23.25	23.00	24
10	QPSK	1	25	22.82	22.98	22.79	
10	QPSK	1	49	22.45	22.79	22.48	
10	QPSK	25	0	22.41	22.52	22.22	23
10	QPSK	25	12	22.31	22.63	22.36	
10	QPSK	25	25	22.28	22.58	22.46	
10	QPSK	50	0	22.38	22.64	22.56	23
10	16QAM	1	0	22.53	22.66	22.44	
10	16QAM	1	25	22.54	22.65	22.35	
10	16QAM	1	49	22.41	22.38	22.43	22
10	16QAM	25	0	21.58	21.67	21.52	
10	16QAM	25	12	21.41	21.66	21.45	
10	16QAM	25	25	21.40	21.44	21.43	
10	16QAM	50	0	21.32	21.82	21.34	
10	64QAM	1	0	21.44	21.66	21.50	22
10	64QAM	1	25	21.33	21.51	21.26	
10	64QAM	1	49	21.29	21.42	21.24	
10	64QAM	25	0	20.45	20.49	20.42	21
10	64QAM	25	12	20.37	20.54	20.34	
10	64QAM	25	25	20.31	20.52	20.20	
10	64QAM	50	0	20.31	20.43	20.46	
10	256QAM	1	0	18.28	18.53	18.40	
10	256QAM	1	25	18.18	18.49	18.29	19
10	256QAM	1	49	17.98	18.08	18.03	
10	256QAM	25	0	18.32	18.49	18.40	
10	256QAM	25	12	18.35	18.35	18.24	19
10	256QAM	25	25	18.34	18.29	18.12	
10	256QAM	50	0	18.42	18.43	18.11	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	22.99	23.23	23.14	24
5	QPSK	1	12	22.87	22.99	22.76	
5	QPSK	1	24	22.63	22.77	22.40	
5	QPSK	12	0	22.47	22.56	22.32	



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5	QPSK	12	7	22.36	22.59	22.31	
5	QPSK	12	13	22.20	22.59	22.37	
5	QPSK	25	0	22.47	22.72	22.44	
5	16QAM	1	0	22.59	22.66	22.44	23
5	16QAM	1	12	22.50	22.54	22.39	
5	16QAM	1	24	22.34	22.47	22.43	
5	16QAM	12	0	21.58	21.65	21.57	22
5	16QAM	12	7	21.51	21.71	21.42	
5	16QAM	12	13	21.37	21.52	21.38	
5	16QAM	25	0	21.48	21.70	21.43	22
5	64QAM	1	0	21.44	21.59	21.56	
5	64QAM	1	12	21.37	21.34	21.19	
5	64QAM	1	24	21.26	21.39	21.21	21
5	64QAM	12	0	20.34	20.53	20.28	
5	64QAM	12	7	20.36	20.59	20.32	
5	64QAM	12	13	20.29	20.38	20.31	19
5	64QAM	25	0	20.41	20.40	20.33	
5	256QAM	1	0	18.26	18.59	18.30	
5	256QAM	1	12	18.19	18.44	18.22	19
5	256QAM	1	24	17.93	18.20	18.13	
5	256QAM	12	0	18.38	18.47	18.32	
5	256QAM	12	7	18.42	18.48	18.15	19
5	256QAM	12	13	18.32	18.18	18.13	
5	256QAM	25	0	18.28	18.41	18.26	
Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	22.91	23.05	23.14	24
3	QPSK	1	8	22.78	22.96	22.74	
3	QPSK	1	14	22.60	22.73	22.57	
3	QPSK	8	0	22.48	22.46	22.38	23
3	QPSK	8	4	22.40	22.54	22.26	
3	QPSK	8	7	22.23	22.52	22.33	
3	QPSK	15	0	22.37	22.80	22.45	23
3	16QAM	1	0	22.52	22.63	22.36	
3	16QAM	1	8	22.47	22.64	22.44	
3	16QAM	1	14	22.31	22.36	22.43	22
3	16QAM	8	0	21.59	21.64	21.51	
3	16QAM	8	4	21.48	21.55	21.30	
3	16QAM	8	7	21.37	21.45	21.43	22
3	16QAM	15	0	21.32	21.77	21.41	
3	64QAM	1	0	21.36	21.73	21.55	
3	64QAM	1	8	21.21	21.44	21.20	22
3	64QAM	1	14	21.16	21.31	21.24	
3	64QAM	8	0	20.45	20.58	20.35	
3	64QAM	8	4	20.38	20.45	20.44	21
3	64QAM	8	7	20.21	20.51	20.23	
3	64QAM	15	0	20.42	20.40	20.45	
3	256QAM	1	0	18.36	18.50	18.38	19
3	256QAM	1	8	18.26	18.42	18.24	
3	256QAM	1	14	18.02	18.06	17.96	
3	256QAM	8	0	18.46	18.43	18.23	19
3	256QAM	8	4	18.35	18.51	18.24	
3	256QAM	8	7	18.25	18.38	18.21	
3	256QAM	15	0	18.29	18.52	18.19	24
Channel				26047	26340	26683	
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	23.11	23.25	23.08	24
1.4	QPSK	1	3	22.89	23.12	22.60	
1.4	QPSK	1	5	22.54	22.79	22.47	
1.4	QPSK	3	0	22.42	22.62	22.41	
1.4	QPSK	3	1	22.33	22.51	22.32	
1.4	QPSK	3	3	22.25	22.60	22.29	
1.4	QPSK	6	0	22.47	22.62	22.50	23



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1.4	16QAM	1	0	22.52	22.74	22.48	23
1.4	16QAM	1	3	22.43	22.58	22.40	
1.4	16QAM	1	5	22.39	22.54	22.37	
1.4	16QAM	3	0	21.42	21.57	21.52	
1.4	16QAM	3	1	21.39	21.67	21.44	
1.4	16QAM	3	3	21.21	21.39	21.45	22
1.4	16QAM	6	0	21.32	21.79	21.46	
1.4	64QAM	1	0	21.39	21.55	21.47	22
1.4	64QAM	1	3	21.31	21.33	21.32	
1.4	64QAM	1	5	21.16	21.46	21.16	
1.4	64QAM	3	0	20.29	20.46	20.30	
1.4	64QAM	3	1	20.43	20.46	20.34	
1.4	64QAM	3	3	20.25	20.33	20.21	21
1.4	64QAM	6	0	20.35	20.36	20.50	
1.4	256QAM	1	0	18.39	18.58	18.26	19
1.4	256QAM	1	3	18.30	18.45	18.36	
1.4	256QAM	1	5	17.99	18.09	18.00	
1.4	256QAM	3	0	18.47	18.34	18.27	
1.4	256QAM	3	1	18.29	18.39	18.23	
1.4	256QAM	3	3	18.25	18.29	18.14	19
1.4	256QAM	6	0	18.38	18.49	18.13	

**<LTE Band 25\_Ant 0\_Sensor ON\_NB>**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	17.11	17.15	16.74	17.5
20	QPSK	1	49	17.06	17.00	16.63	
20	QPSK	1	99	17.10	16.80	16.24	
20	QPSK	50	0	16.19	16.21	15.78	16.5
20	QPSK	50	24	16.18	16.10	15.56	
20	QPSK	50	50	16.11	16.04	15.52	
20	QPSK	100	0	16.11	16.24	15.66	16.5
20	16QAM	1	0	16.37	16.45	15.96	
20	16QAM	1	49	16.50	16.11	15.85	
20	16QAM	1	99	16.43	16.26	15.85	15.5
20	16QAM	50	0	15.16	15.04	14.67	
20	16QAM	50	24	15.24	15.14	14.58	
20	16QAM	50	50	15.25	14.98	14.52	15.5
20	16QAM	100	0	15.21	15.01	14.68	
20	64QAM	1	0	15.20	15.28	15.06	
20	64QAM	1	49	15.15	14.97	14.72	15.5
20	64QAM	1	99	14.98	15.09	14.45	
20	64QAM	50	0	14.14	14.05	13.74	
20	64QAM	50	24	14.26	14.06	13.62	14.5
20	64QAM	50	50	14.25	13.98	13.47	
20	64QAM	100	0	14.15	14.01	13.72	
20	256QAM	1	0	11.88	11.88	11.60	12.5
20	256QAM	1	49	11.75	11.82	11.68	
20	256QAM	1	99	11.73	11.84	11.61	
20	256QAM	50	0	11.87	11.93	11.70	12.5
20	256QAM	50	24	11.85	11.79	11.64	
20	256QAM	50	50	11.86	11.91	11.56	
20	256QAM	100	0	11.72	11.79	11.75	12.5
Channel				26115	26340	26615	
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	17.10	16.88	16.69	17.5
15	QPSK	1	37	17.03	16.80	16.60	
15	QPSK	1	74	17.03	16.72	16.17	
15	QPSK	36	0	16.04	15.96	15.59	16.5



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15	QPSK	36	20	16.11	16.01	15.52	
15	QPSK	36	39	16.05	15.95	15.46	
15	QPSK	75	0	16.21	15.90	15.50	
15	16QAM	1	0	16.20	16.41	15.85	16.5
15	16QAM	1	37	16.41	15.95	15.76	
15	16QAM	1	74	16.32	16.10	15.76	
15	16QAM	36	0	15.03	14.94	14.50	15.5
15	16QAM	36	20	15.10	14.97	14.50	
15	16QAM	36	39	15.14	14.97	14.37	
15	16QAM	75	0	15.04	14.91	14.54	15.5
15	64QAM	1	0	15.16	15.20	14.89	
15	64QAM	1	37	15.03	14.92	14.64	
15	64QAM	1	74	14.97	15.01	14.37	14.5
15	64QAM	36	0	14.12	13.93	13.55	
15	64QAM	36	20	14.11	13.99	13.55	
15	64QAM	36	39	14.10	13.84	13.29	12.5
15	64QAM	75	0	14.09	13.89	13.71	
15	256QAM	1	0	11.88	11.82	11.49	
15	256QAM	1	37	11.75	11.62	11.68	12.5
15	256QAM	1	74	11.58	11.82	11.42	
15	256QAM	36	0	11.72	11.92	11.56	
15	256QAM	36	20	11.72	11.72	11.52	12.5
15	256QAM	36	39	11.85	11.91	11.36	
15	256QAM	75	0	11.54	11.73	11.75	
Channel				26090	26340	26640	Tune-up limit(dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	16.94	16.82	16.71	17.5
10	QPSK	1	25	17.04	16.89	16.44	
10	QPSK	1	49	17.07	16.76	16.18	
10	QPSK	25	0	16.20	15.88	15.66	16.5
10	QPSK	25	12	16.07	15.99	15.52	
10	QPSK	25	25	15.98	15.89	15.34	
10	QPSK	50	0	16.07	15.80	15.55	16.5
10	16QAM	1	0	16.29	16.25	15.87	
10	16QAM	1	25	16.41	16.06	15.81	
10	16QAM	1	49	16.30	16.18	15.72	15.5
10	16QAM	25	0	15.14	14.84	14.47	
10	16QAM	25	12	15.06	15.05	14.48	
10	16QAM	25	25	15.10	14.83	14.46	15.5
10	16QAM	50	0	15.01	14.83	14.61	
10	64QAM	1	0	15.10	15.21	14.86	
10	64QAM	1	25	15.01	14.96	14.62	15.5
10	64QAM	1	49	14.79	15.03	14.45	
10	64QAM	25	0	14.12	13.93	13.68	
10	64QAM	25	12	14.15	13.93	13.54	14.5
10	64QAM	25	25	14.13	13.84	13.32	
10	64QAM	50	0	13.97	13.90	13.64	
10	256QAM	1	0	11.82	11.84	11.46	12.5
10	256QAM	1	25	11.75	11.81	11.51	
10	256QAM	1	49	11.57	11.67	11.53	
10	256QAM	25	0	11.74	11.86	11.50	12.5
10	256QAM	25	12	11.65	11.72	11.46	
10	256QAM	25	25	11.76	11.84	11.51	
10	256QAM	50	0	11.52	11.63	11.63	Tune-up limit (dBm)
Channel				26065	26340	26665	
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	16.93	16.96	16.62	17.5
5	QPSK	1	12	16.88	16.86	16.49	
5	QPSK	1	24	17.06	16.75	16.21	
5	QPSK	12	0	16.18	16.04	15.68	16.5
5	QPSK	12	7	16.17	16.01	15.54	
5	QPSK	12	13	15.95	15.88	15.47	
5	QPSK	25	0	16.11	15.89	15.63	



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5	16QAM	1	0	16.33	16.31	15.80	16.5
5	16QAM	1	12	16.38	16.05	15.67	
5	16QAM	1	24	16.28	16.13	15.83	
5	16QAM	12	0	15.07	15.03	14.67	15.5
5	16QAM	12	7	15.23	15.14	14.55	
5	16QAM	12	13	15.17	14.94	14.42	
5	16QAM	25	0	15.03	14.98	14.53	15.5
5	64QAM	1	0	15.07	15.12	15.02	
5	64QAM	1	12	15.00	14.96	14.57	
5	64QAM	1	24	14.95	14.90	14.27	14.5
5	64QAM	12	0	14.10	13.90	13.57	
5	64QAM	12	7	14.13	14.04	13.43	
5	64QAM	12	13	14.09	13.94	13.32	12.5
5	64QAM	25	0	13.96	13.91	13.53	
5	256QAM	1	0	11.78	11.83	11.57	
5	256QAM	1	12	11.68	11.67	11.59	12.5
5	256QAM	1	24	11.68	11.79	11.42	
5	256QAM	12	0	11.70	11.88	11.58	
5	256QAM	12	7	11.73	11.60	11.53	12.5
5	256QAM	12	13	11.78	11.80	11.54	
5	256QAM	25	0	11.67	11.72	11.57	
Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	17.10	16.96	16.56	17.5
3	QPSK	1	8	16.92	16.81	16.59	
3	QPSK	1	14	17.02	16.79	16.15	
3	QPSK	8	0	16.14	15.91	15.76	16.5
3	QPSK	8	4	16.01	16.05	15.50	
3	QPSK	8	7	15.93	16.03	15.41	
3	QPSK	15	0	16.24	16.00	15.56	16.5
3	16QAM	1	0	16.37	16.32	15.89	
3	16QAM	1	8	16.50	16.06	15.84	
3	16QAM	1	14	16.43	16.18	15.74	15.5
3	16QAM	8	0	15.04	14.85	14.52	
3	16QAM	8	4	15.09	14.95	14.43	
3	16QAM	8	7	15.15	14.81	14.50	15.5
3	16QAM	15	0	15.19	14.94	14.54	
3	64QAM	1	0	15.02	15.16	14.87	
3	64QAM	1	8	15.10	14.79	14.58	15.5
3	64QAM	1	14	14.96	15.09	14.41	
3	64QAM	8	0	14.08	13.86	13.60	
3	64QAM	8	4	14.26	13.97	13.43	14.5
3	64QAM	8	7	14.22	13.96	13.43	
3	64QAM	15	0	14.10	13.99	13.69	
3	256QAM	1	0	11.82	11.73	11.43	12.5
3	256QAM	1	8	11.69	11.82	11.62	
3	256QAM	1	14	11.58	11.81	11.58	
3	256QAM	8	0	11.70	11.83	11.61	12.5
3	256QAM	8	4	11.77	11.60	11.50	
3	256QAM	8	7	11.84	11.84	11.38	
3	256QAM	15	0	11.60	11.70	11.58	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	16.93	16.88	16.74	17.5
1.4	QPSK	1	3	17.01	16.84	16.48	
1.4	QPSK	1	5	17.01	16.76	16.12	
1.4	QPSK	3	0	16.10	15.96	15.77	16.5
1.4	QPSK	3	1	16.14	16.06	15.37	
1.4	QPSK	3	3	16.06	15.88	15.48	
1.4	QPSK	6	0	16.11	15.94	15.60	16.5
1.4	16QAM	1	0	16.19	16.42	15.89	
1.4	16QAM	1	3	16.49	16.09	15.83	
1.4	16QAM	1	5	16.37	16.07	15.75	





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1.4	16QAM	3	0	15.07	14.98	14.58	
1.4	16QAM	3	1	15.19	15.02	14.47	
1.4	16QAM	3	3	15.09	14.89	14.51	
1.4	16QAM	6	0	15.12	14.98	14.63	15.5
1.4	64QAM	1	0	15.15	15.20	14.91	15.5
1.4	64QAM	1	3	15.15	14.89	14.54	
1.4	64QAM	1	5	14.94	15.02	14.30	
1.4	64QAM	3	0	13.95	13.92	13.62	
1.4	64QAM	3	1	14.16	13.89	13.61	
1.4	64QAM	3	3	14.16	13.85	13.40	
1.4	64QAM	6	0	14.15	13.91	13.69	14.5
1.4	256QAM	1	0	11.69	11.80	11.42	12.5
1.4	256QAM	1	3	11.64	11.62	11.58	
1.4	256QAM	1	5	11.67	11.83	11.51	
1.4	256QAM	3	0	11.80	11.91	11.61	
1.4	256QAM	3	1	11.82	11.70	11.51	
1.4	256QAM	3	3	11.78	11.91	11.49	
1.4	256QAM	6	0	11.65	11.72	11.62	12.5

**<LTE Band 25\_Ant 0\_Sensor ON\_NB>**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	17.22	17.33	17.14	17.5
20	QPSK	1	49	16.96	17.13	16.87	
20	QPSK	1	99	16.93	17.10	16.84	
20	QPSK	50	0	16.94	17.11	16.85	17.5
20	QPSK	50	24	16.91	17.08	16.82	
20	QPSK	50	50	16.84	17.01	16.81	
20	QPSK	100	0	16.97	17.14	16.88	17.5
20	16QAM	1	0	16.99	17.13	16.95	
20	16QAM	1	49	16.88	17.11	16.80	
20	16QAM	1	99	16.80	16.92	16.81	17.5
20	16QAM	50	0	16.92	16.98	16.81	
20	16QAM	50	24	16.85	16.97	16.82	
20	16QAM	50	50	16.83	16.84	16.88	17.5
20	16QAM	100	0	16.85	16.96	16.80	
20	64QAM	1	0	16.88	17.12	16.87	
20	64QAM	1	49	16.96	17.04	16.84	17.5
20	64QAM	1	99	16.82	16.95	16.86	
20	64QAM	50	0	16.89	16.96	16.85	
20	64QAM	50	24	16.91	17.02	16.83	17.5
20	64QAM	50	50	16.88	16.90	16.85	
20	64QAM	100	0	16.87	17.08	16.86	
20	256QAM	1	0	16.81	17.06	16.97	17.5
20	256QAM	1	49	16.90	17.09	16.82	
20	256QAM	1	99	16.83	17.07	16.82	
20	256QAM	50	0	16.84	16.91	16.82	17.5
20	256QAM	50	24	16.81	16.96	16.88	
20	256QAM	50	50	16.82	16.92	16.84	
20	256QAM	100	0	16.85	17.00	16.89	
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	17.11	17.31	17.09	17.5
15	QPSK	1	37	16.94	17.13	16.78	
15	QPSK	1	74	16.93	16.99	16.76	
15	QPSK	36	0	16.88	17.11	16.82	17.5
15	QPSK	36	20	16.82	17.03	16.71	
15	QPSK	36	39	16.65	16.81	16.80	
15	QPSK	75	0	16.78	17.04	16.80	



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15	16QAM	1	0	16.90	17.07	16.85	17.5	
15	16QAM	1	37	16.71	17.02	16.75		
15	16QAM	1	74	16.80	16.86	16.75		
15	16QAM	36	0	16.83	16.87	16.74	17.5	
15	16QAM	36	20	16.81	16.79	16.69		
15	16QAM	36	39	16.74	16.82	16.87		
15	16QAM	75	0	16.68	16.91	16.69	17.5	
15	64QAM	1	0	16.77	16.93	16.80		
15	64QAM	1	37	16.91	16.90	16.74		
15	64QAM	1	74	16.77	16.82	16.82	17.5	
15	64QAM	36	0	16.75	16.79	16.76		
15	64QAM	36	20	16.80	16.93	16.64		
15	64QAM	36	39	16.81	16.84	16.74	17.5	
15	64QAM	75	0	16.87	16.96	16.73		
15	256QAM	1	0	16.65	17.04	16.94		
15	256QAM	1	37	16.74	17.00	16.73	17.5	
15	256QAM	1	74	16.80	16.95	16.82		
15	256QAM	36	0	16.79	16.82	16.66		
15	256QAM	36	20	16.67	16.82	16.79	17.5	
15	256QAM	36	39	16.78	16.84	16.68		
15	256QAM	75	0	16.67	17.00	16.73		
Channel				26090	26340	26640	Tune-up limit(dBm)	
Frequency (MHz)				1855	1880	1910		
10	QPSK	1	0	17.17	17.23	16.96	17.5	
10	QPSK	1	25	16.96	16.95	16.78		
10	QPSK	1	49	16.79	17.10	16.72		
10	QPSK	25	0	16.77	17.07	16.80	17.5	
10	QPSK	25	12	16.88	17.01	16.69		
10	QPSK	25	25	16.78	16.91	16.69		
10	QPSK	50	0	16.84	16.94	16.86	17.5	
10	16QAM	1	0	16.91	17.03	16.82		
10	16QAM	1	25	16.78	16.98	16.79		
10	16QAM	1	49	16.70	16.92	16.68	17.5	
10	16QAM	25	0	16.74	16.79	16.75		
10	16QAM	25	12	16.80	16.97	16.64		
10	16QAM	25	25	16.63	16.68	16.77	17.5	
10	16QAM	50	0	16.84	16.85	16.64		
10	64QAM	1	0	16.81	16.97	16.81		
10	64QAM	1	25	16.83	16.90	16.78	17.5	
10	64QAM	1	49	16.68	16.81	16.71		
10	64QAM	25	0	16.70	16.76	16.83		
10	64QAM	25	12	16.78	16.84	16.76	17.5	
10	64QAM	25	25	16.77	16.73	16.67		
10	64QAM	50	0	16.77	16.96	16.81		
10	256QAM	1	0	16.73	16.87	16.78	17.5	
10	256QAM	1	25	16.72	16.99	16.68		
10	256QAM	1	49	16.79	16.97	16.75		
10	256QAM	25	0	16.72	16.74	16.69	17.5	
10	256QAM	25	12	16.80	16.88	16.77		
10	256QAM	25	25	16.68	16.83	16.82		
10	256QAM	50	0	16.84	16.95	16.81	17.5	
Channel				26065	26340	26665		Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5		
5	QPSK	1	0	17.11	17.29	17.11	17.5	
5	QPSK	1	12	16.80	17.05	16.84		
5	QPSK	1	24	16.80	17.04	16.76		
5	QPSK	12	0	16.83	16.95	16.72	17.5	
5	QPSK	12	7	16.71	17.04	16.62		
5	QPSK	12	13	16.76	17.00	16.72		
5	QPSK	25	0	16.90	16.94	16.86	17.5	
5	16QAM	1	0	16.91	17.13	16.80		
5	16QAM	1	12	16.87	17.04	16.72		
5	16QAM	1	24	16.78	16.75	16.72	17.5	



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5	16QAM	12	0	16.84	16.97	16.66	17.5
5	16QAM	12	7	16.79	16.94	16.74	
5	16QAM	12	13	16.81	16.79	16.72	
5	16QAM	25	0	16.85	16.79	16.62	
5	64QAM	1	0	16.88	17.06	16.67	17.5
5	64QAM	1	12	16.86	16.90	16.68	
5	64QAM	1	24	16.63	16.78	16.78	17.5
5	64QAM	12	0	16.89	16.84	16.80	
5	64QAM	12	7	16.74	16.93	16.63	
5	64QAM	12	13	16.78	16.83	16.67	
5	64QAM	25	0	16.79	17.04	16.80	17.5
5	256QAM	1	0	16.67	17.02	16.97	
5	256QAM	1	12	16.71	16.90	16.76	
5	256QAM	1	24	16.71	16.96	16.76	
5	256QAM	12	0	16.64	16.78	16.65	
5	256QAM	12	7	16.76	16.76	16.78	
5	256QAM	12	13	16.63	16.75	16.75	17.5
5	256QAM	25	0	16.84	16.97	16.87	
Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	17.04	17.31	17.01	17.5
3	QPSK	1	8	16.77	17.08	16.78	
3	QPSK	1	14	16.90	17.09	16.66	
3	QPSK	8	0	16.93	16.96	16.66	17.5
3	QPSK	8	4	16.88	17.03	16.77	
3	QPSK	8	7	16.74	16.96	16.65	
3	QPSK	15	0	16.86	16.99	16.80	
3	16QAM	1	0	16.83	16.96	16.84	17.5
3	16QAM	1	8	16.79	17.09	16.67	
3	16QAM	1	14	16.69	16.78	16.71	
3	16QAM	8	0	16.85	16.96	16.76	17.5
3	16QAM	8	4	16.69	16.92	16.82	
3	16QAM	8	7	16.80	16.76	16.81	
3	16QAM	15	0	16.75	16.77	16.70	
3	64QAM	1	0	16.85	17.09	16.87	
3	64QAM	1	8	16.85	17.04	16.64	17.5
3	64QAM	1	14	16.71	16.77	16.79	
3	64QAM	8	0	16.77	16.89	16.81	
3	64QAM	8	4	16.83	16.93	16.74	17.5
3	64QAM	8	7	16.70	16.73	16.84	
3	64QAM	15	0	16.83	17.02	16.74	
3	256QAM	1	0	16.73	16.88	16.92	
3	256QAM	1	8	16.84	17.07	16.72	17.5
3	256QAM	1	14	16.70	16.94	16.71	
3	256QAM	8	0	16.74	16.73	16.75	
3	256QAM	8	4	16.80	16.90	16.81	17.5
3	256QAM	8	7	16.67	16.81	16.82	
3	256QAM	15	0	16.82	16.80	16.76	
Channel				26047	26340	26683	
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	17.17	17.27	16.94	17.5
1.4	QPSK	1	3	16.82	16.95	16.67	
1.4	QPSK	1	5	16.76	17.03	16.77	
1.4	QPSK	3	0	16.86	17.08	16.75	
1.4	QPSK	3	1	16.84	17.05	16.66	
1.4	QPSK	3	3	16.67	16.86	16.79	
1.4	QPSK	6	0	16.96	17.13	16.83	17.5
1.4	16QAM	1	0	16.94	16.97	16.81	17.5
1.4	16QAM	1	3	16.76	16.97	16.78	
1.4	16QAM	1	5	16.72	16.75	16.78	
1.4	16QAM	3	0	16.91	16.82	16.71	
1.4	16QAM	3	1	16.71	16.86	16.68	
1.4	16QAM	3	3	16.73	16.69	16.83	



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1.4	16QAM	6	0	16.73	16.81	16.67	17.5
1.4	64QAM	1	0	16.87	17.10	16.86	17.5
1.4	64QAM	1	3	16.88	16.87	16.80	
1.4	64QAM	1	5	16.75	16.93	16.76	
1.4	64QAM	3	0	16.75	16.86	16.71	
1.4	64QAM	3	1	16.78	16.93	16.82	
1.4	64QAM	3	3	16.87	16.79	16.80	
1.4	64QAM	6	0	16.70	16.99	16.71	17.5
1.4	256QAM	1	0	16.80	16.95	16.77	17.5
1.4	256QAM	1	3	16.74	17.08	16.70	
1.4	256QAM	1	5	16.74	16.90	16.64	
1.4	256QAM	3	0	16.77	16.88	16.63	
1.4	256QAM	3	1	16.77	16.77	16.83	
1.4	256QAM	3	3	16.82	16.80	16.82	
1.4	256QAM	6	0	16.77	16.89	16.88	17.5

**<LTE Band 25\_Ant 0\_Sensor ON\_TB>**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26140	26340	26590	
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	15.46	15.49	15.41	15.5
20	QPSK	1	49	15.44	15.39	15.37	
20	QPSK	1	99	15.43	15.38	15.36	
20	QPSK	50	0	14.44	14.49	14.45	14.5
20	QPSK	50	24	14.43	14.40	14.34	
20	QPSK	50	50	14.37	14.44	14.37	
20	QPSK	100	0	14.36	14.45	14.30	14.5
20	16QAM	1	0	14.45	14.46	14.45	
20	16QAM	1	49	14.38	14.44	14.42	
20	16QAM	1	99	14.34	14.38	14.32	14.5
20	16QAM	50	0	13.45	13.44	13.34	
20	16QAM	50	24	13.41	13.44	13.40	
20	16QAM	50	50	13.38	13.44	13.37	13.5
20	16QAM	100	0	13.37	13.45	13.40	
20	64QAM	1	0	13.31	13.43	13.39	
20	64QAM	1	49	13.30	13.38	13.36	13.5
20	64QAM	1	99	13.28	13.36	13.31	
20	64QAM	50	0	12.38	12.45	12.40	
20	64QAM	50	24	12.34	12.38	12.34	12.5
20	64QAM	50	50	12.37	12.39	12.29	
20	64QAM	100	0	12.38	12.38	12.36	
20	256QAM	1	0	10.25	10.37	10.24	10.5
20	256QAM	1	49	10.21	10.25	10.15	
20	256QAM	1	99	10.33	10.27	10.19	
20	256QAM	50	0	10.38	10.45	10.40	10.5
20	256QAM	50	24	10.34	10.38	10.34	
20	256QAM	50	50	10.37	10.39	10.29	
20	256QAM	100	0	10.38	10.38	10.36	
Channel				26115	26340	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	15.41	15.34	15.38	15.5
15	QPSK	1	37	15.31	15.37	15.31	
15	QPSK	1	74	15.38	15.20	15.21	
15	QPSK	36	0	14.27	14.37	14.29	14.5
15	QPSK	36	20	14.38	14.25	14.31	
15	QPSK	36	39	14.24	14.29	14.30	
15	QPSK	75	0	14.25	14.32	14.16	14.5
15	16QAM	1	0	14.45	14.43	14.38	
15	16QAM	1	37	14.25	14.37	14.22	
15	16QAM	1	74	14.32	14.33	14.15	



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15	16QAM	36	0	13.25	13.28	13.24	13.5
15	16QAM	36	20	13.36	13.42	13.33	
15	16QAM	36	39	13.30	13.33	13.30	
15	16QAM	75	0	13.33	13.45	13.25	
15	64QAM	1	0	13.30	13.42	13.20	13.5
15	64QAM	1	37	13.27	13.22	13.21	
15	64QAM	1	74	13.17	13.34	13.19	
15	64QAM	36	0	12.18	12.28	12.30	12.5
15	64QAM	36	20	12.33	12.34	12.16	
15	64QAM	36	39	12.19	12.27	12.24	
15	64QAM	75	0	12.21	12.24	12.20	
15	256QAM	1	0	10.24	10.35	10.11	10.5
15	256QAM	1	37	10.19	10.25	9.99	
15	256QAM	1	74	10.28	10.18	10.02	
15	256QAM	36	0	10.36	10.32	10.40	10.5
15	256QAM	36	20	10.23	10.32	10.17	
15	256QAM	36	39	10.24	10.25	10.20	
15	256QAM	75	0	10.20	10.22	10.22	
Channel				26090	26340	26640	Tune-up limit(dBm)
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	15.40	15.44	15.31	15.5
10	QPSK	1	25	15.27	15.26	15.33	
10	QPSK	1	49	15.32	15.33	15.35	
10	QPSK	25	0	14.44	14.38	14.31	14.5
10	QPSK	25	12	14.29	14.37	14.27	
10	QPSK	25	25	14.31	14.31	14.25	
10	QPSK	50	0	14.32	14.38	14.18	
10	16QAM	1	0	14.31	14.37	14.36	14.5
10	16QAM	1	25	14.27	14.37	14.32	
10	16QAM	1	49	14.17	14.23	14.21	
10	16QAM	25	0	13.35	13.41	13.15	13.5
10	16QAM	25	12	13.21	13.25	13.27	
10	16QAM	25	25	13.21	13.44	13.36	
10	16QAM	50	0	13.18	13.35	13.31	
10	64QAM	1	0	13.18	13.41	13.31	13.5
10	64QAM	1	25	13.10	13.21	13.32	
10	64QAM	1	49	13.17	13.25	13.14	
10	64QAM	25	0	12.29	12.36	12.31	12.5
10	64QAM	25	12	12.26	12.32	12.31	
10	64QAM	25	25	12.29	12.37	12.12	
10	64QAM	50	0	12.21	12.26	12.31	
10	256QAM	1	0	10.11	10.33	10.21	10.5
10	256QAM	1	25	10.08	10.09	10.06	
10	256QAM	1	49	10.21	10.09	10.08	
10	256QAM	25	0	10.22	10.38	10.27	10.5
10	256QAM	25	12	10.18	10.20	10.26	
10	256QAM	25	25	10.25	10.25	10.25	
10	256QAM	50	0	10.23	10.35	10.25	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	15.39	15.43	15.29	15.5
5	QPSK	1	12	15.42	15.33	15.29	
5	QPSK	1	24	15.38	15.30	15.23	
5	QPSK	12	0	14.31	14.37	14.27	14.5
5	QPSK	12	7	14.40	14.23	14.30	
5	QPSK	12	13	14.36	14.39	14.23	
5	QPSK	25	0	14.27	14.25	14.18	
5	16QAM	1	0	14.29	14.37	14.25	14.5
5	16QAM	1	12	14.35	14.44	14.42	
5	16QAM	1	24	14.26	14.35	14.13	
5	16QAM	12	0	13.27	13.27	13.24	13.5
5	16QAM	12	7	13.27	13.35	13.30	
5	16QAM	12	13	13.30	13.35	13.33	



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5	16QAM	25	0	13.27	13.44	13.28	13.5
5	64QAM	1	0	13.23	13.31	13.31	
5	64QAM	1	12	13.14	13.23	13.35	
5	64QAM	1	24	13.15	13.21	13.13	
5	64QAM	12	0	12.27	12.35	12.25	12.5
5	64QAM	12	7	12.28	12.21	12.15	
5	64QAM	12	13	12.24	12.30	12.18	
5	64QAM	25	0	12.28	12.29	12.19	
5	256QAM	1	0	10.15	10.31	10.04	10.5
5	256QAM	1	12	10.04	10.20	10.00	
5	256QAM	1	24	10.24	10.11	10.03	
5	256QAM	12	0	10.34	10.38	10.29	10.5
5	256QAM	12	7	10.15	10.29	10.17	
5	256QAM	12	13	10.27	10.32	10.20	
5	256QAM	25	0	10.34	10.34	10.30	
Channel				26055	26340	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	15.36	15.44	15.23	15.5
3	QPSK	1	8	15.40	15.38	15.22	
3	QPSK	1	14	15.37	15.37	15.16	
3	QPSK	8	0	14.32	14.36	14.39	14.5
3	QPSK	8	4	14.25	14.38	14.27	
3	QPSK	8	7	14.19	14.37	14.26	
3	QPSK	15	0	14.26	14.38	14.24	
3	16QAM	1	0	14.25	14.37	14.30	14.5
3	16QAM	1	8	14.19	14.24	14.23	
3	16QAM	1	14	14.28	14.25	14.18	
3	16QAM	8	0	13.44	13.26	13.29	13.5
3	16QAM	8	4	13.34	13.37	13.36	
3	16QAM	8	7	13.22	13.27	13.23	
3	16QAM	15	0	13.27	13.32	13.35	
3	64QAM	1	0	13.26	13.39	13.23	13.5
3	64QAM	1	8	13.13	13.37	13.21	
3	64QAM	1	14	13.23	13.18	13.27	
3	64QAM	8	0	12.36	12.37	12.25	12.5
3	64QAM	8	4	12.18	12.38	12.15	
3	64QAM	8	7	12.35	12.26	12.28	
3	64QAM	15	0	12.29	12.19	12.17	
3	256QAM	1	0	10.20	10.27	10.17	10.5
3	256QAM	1	8	10.17	10.07	10.00	
3	256QAM	1	14	10.17	10.11	10.02	
3	256QAM	8	0	10.22	10.31	10.26	10.5
3	256QAM	8	4	10.14	10.28	10.33	
3	256QAM	8	7	10.27	10.29	10.26	
3	256QAM	15	0	10.26	10.34	10.31	
Channel				26047	26340	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	15.34	15.48	15.24	15.5
1.4	QPSK	1	3	15.39	15.27	15.30	
1.4	QPSK	1	5	15.25	15.30	15.16	
1.4	QPSK	3	0	14.35	14.41	14.45	
1.4	QPSK	3	1	14.23	14.28	14.17	
1.4	QPSK	3	3	14.24	14.31	14.28	14.5
1.4	QPSK	6	0	14.16	14.32	14.20	
1.4	16QAM	1	0	14.43	14.33	14.34	
1.4	16QAM	1	3	14.19	14.28	14.39	14.5
1.4	16QAM	1	5	14.29	14.31	14.18	
1.4	16QAM	3	0	13.45	13.24	13.28	
1.4	16QAM	3	1	13.34	13.35	13.29	
1.4	16QAM	3	3	13.24	13.41	13.29	13.5
1.4	16QAM	6	0	13.20	13.27	13.21	
1.4	64QAM	1	0	13.15	13.28	13.26	
1.4	64QAM	1	3	13.20	13.38	13.26	13.5



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1.4	64QAM	1	5	13.19	13.27	13.26	
1.4	64QAM	3	0	12.36	12.40	12.23	
1.4	64QAM	3	1	12.17	12.21	12.33	
1.4	64QAM	3	3	12.21	12.33	12.27	
1.4	64QAM	6	0	12.22	12.32	12.19	12.5
1.4	256QAM	1	0	10.24	10.27	10.09	10.5
1.4	256QAM	1	3	10.11	10.25	10.14	
1.4	256QAM	1	5	10.33	10.11	10.07	
1.4	256QAM	3	0	10.34	10.25	10.33	
1.4	256QAM	3	1	10.32	10.24	10.16	
1.4	256QAM	3	3	10.34	10.37	10.23	
1.4	256QAM	6	0	10.26	10.29	10.32	10.5

**<LTE Band 25\_Ant 2\_Sensor ON\_TB>**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	
Channel				26140	26340	26590		
Frequency (MHz)				1860	1880	1905		
20	QPSK	1	0	15.14	15.43	15.27	15.5	
20	QPSK	1	49	15.13	15.28	15.02		
20	QPSK	1	99	15.05	15.20	15.04		
20	QPSK	50	0	15.06	15.24	15.08	15.5	
20	QPSK	50	24	15.01	15.15	15.00		
20	QPSK	50	50	15.02	15.10	15.01		
20	QPSK	100	0	15.05	15.21	15.00	15.5	
20	16QAM	1	0	15.01	15.17	15.10		
20	16QAM	1	49	15.08	15.14	14.85		
20	16QAM	1	99	14.96	15.11	14.99	15.5	
20	16QAM	50	0	15.05	15.15	14.82		
20	16QAM	50	24	14.85	15.09	14.88		
20	16QAM	50	50	14.98	14.94	15.08	15.5	
20	16QAM	100	0	14.93	14.97	14.91		
20	64QAM	1	0	14.90	15.15	14.94		
20	64QAM	1	49	15.12	15.08	15.00	15.5	
20	64QAM	1	99	14.97	15.10	14.91		
20	64QAM	50	0	15.09	15.07	14.86		
20	64QAM	50	24	15.03	15.05	14.93	15.5	
20	64QAM	50	50	14.91	14.97	14.88		
20	64QAM	100	0	15.05	15.14	14.87		
20	256QAM	1	0	14.83	15.11	14.99	15.5	
20	256QAM	1	49	15.10	15.17	14.87		
20	256QAM	1	99	15.00	15.09	14.89		
20	256QAM	50	0	14.84	15.08	14.82	15.5	
20	256QAM	50	24	14.95	15.16	15.04		
20	256QAM	50	50	14.96	15.07	14.96		
20	256QAM	100	0	14.94	15.19	14.99	15.5	
Channel				26115	26340	26615		Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1907.5		
15	QPSK	1	0	15.02	15.23	15.21	15.5	
15	QPSK	1	37	14.98	15.22	14.94		
15	QPSK	1	74	14.97	15.05	14.96		
15	QPSK	36	0	15.02	15.05	14.98	15.5	
15	QPSK	36	20	14.91	15.08	14.80		
15	QPSK	36	39	14.86	15.03	14.88		
15	QPSK	75	0	14.97	15.15	14.93	15.5	
15	16QAM	1	0	14.99	15.08	14.97		
15	16QAM	1	37	15.03	15.05	14.70		
15	16QAM	1	74	14.87	14.99	14.79	15.5	
15	16QAM	36	0	15.03	14.95	14.75		
15	16QAM	36	20	14.77	15.09	14.74		
15	16QAM	36	39	14.88	14.90	14.93	15.5	



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15	16QAM	75	0	14.78	14.91	14.79	15.5
15	64QAM	1	0	14.89	15.04	14.93	
15	64QAM	1	37	14.95	15.08	14.95	
15	64QAM	1	74	14.83	15.06	14.84	
15	64QAM	36	0	14.92	15.02	14.77	15.5
15	64QAM	36	20	15.01	14.91	14.79	
15	64QAM	36	39	14.82	14.81	14.84	
15	64QAM	75	0	14.97	15.13	14.77	
15	256QAM	1	0	14.76	14.94	14.97	15.5
15	256QAM	1	37	14.96	15.09	14.87	
15	256QAM	1	74	14.83	15.05	14.75	
15	256QAM	36	0	14.80	14.99	14.62	
15	256QAM	36	20	14.86	15.06	14.88	15.5
15	256QAM	36	39	14.96	15.04	14.89	
15	256QAM	75	0	14.79	15.19	14.93	
Channel				26090	26340	26640	
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	15.08	15.34	15.18	15.5
10	QPSK	1	25	15.06	15.10	14.89	
10	QPSK	1	49	14.98	15.04	14.98	
10	QPSK	25	0	14.95	15.08	15.08	
10	QPSK	25	12	14.91	15.00	14.86	15.5
10	QPSK	25	25	14.91	15.00	15.00	
10	QPSK	50	0	14.92	15.18	14.93	
10	16QAM	1	0	14.99	14.99	14.97	
10	16QAM	1	25	14.94	15.01	14.65	15.5
10	16QAM	1	49	14.77	15.08	14.79	
10	16QAM	25	0	14.91	14.98	14.69	
10	16QAM	25	12	14.73	15.09	14.82	
10	16QAM	25	25	14.97	14.94	14.95	15.5
10	16QAM	50	0	14.73	14.82	14.83	
10	64QAM	1	0	14.73	15.12	14.92	
10	64QAM	1	25	15.00	14.97	14.96	
10	64QAM	1	49	14.84	15.07	14.78	15.5
10	64QAM	25	0	15.04	14.92	14.73	
10	64QAM	25	12	14.86	14.96	14.90	
10	64QAM	25	25	14.84	14.88	14.88	
10	64QAM	50	0	14.95	14.99	14.81	15.5
10	256QAM	1	0	14.71	14.99	14.94	
10	256QAM	1	25	14.92	15.15	14.78	
10	256QAM	1	49	14.91	14.96	14.71	
10	256QAM	25	0	14.70	14.99	14.77	15.5
10	256QAM	25	12	14.85	15.13	14.91	
10	256QAM	25	25	14.93	14.89	14.95	
10	256QAM	50	0	14.82	15.15	14.82	
Channel				26065	26340	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	15.03	15.42	15.18	15.5
5	QPSK	1	12	15.09	15.11	14.90	
5	QPSK	1	24	14.95	15.07	14.84	
5	QPSK	12	0	14.96	15.19	15.06	
5	QPSK	12	7	14.91	14.96	14.86	15.5
5	QPSK	12	13	14.84	15.03	14.89	
5	QPSK	25	0	15.00	15.01	14.84	
5	16QAM	1	0	14.82	15.17	15.03	
5	16QAM	1	12	14.93	15.14	14.76	15.5
5	16QAM	1	24	14.96	14.91	14.83	
5	16QAM	12	0	15.02	15.00	14.76	
5	16QAM	12	7	14.76	14.95	14.85	
5	16QAM	12	13	14.98	14.86	15.03	15.5
5	16QAM	25	0	14.93	14.84	14.71	
5	64QAM	1	0	14.72	15.09	14.85	
5	64QAM	1	12	14.98	14.93	14.88	





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5	64QAM	1	24	14.87	14.91	14.84	15.5
5	64QAM	12	0	14.97	14.96	14.66	
5	64QAM	12	7	14.98	14.89	14.73	
5	64QAM	12	13	14.82	14.86	14.77	
5	64QAM	25	0	14.91	15.14	14.70	
5	256QAM	1	0	14.70	15.11	14.87	15.5
5	256QAM	1	12	14.92	15.09	14.76	
5	256QAM	1	24	14.88	15.06	14.69	
5	256QAM	12	0	14.83	14.88	14.69	15.5
5	256QAM	12	7	14.93	15.01	14.88	
5	256QAM	12	13	14.91	14.98	14.93	
5	256QAM	25	0	14.87	14.99	14.85	
Channel				26055	26340	26675	
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	15.03	15.24	15.17	15.5
3	QPSK	1	8	15.01	15.16	14.82	
3	QPSK	1	14	14.86	15.06	15.03	
3	QPSK	8	0	15.03	15.11	14.96	15.5
3	QPSK	8	4	14.94	15.12	14.96	
3	QPSK	8	7	14.94	14.93	14.99	
3	QPSK	15	0	15.05	15.09	14.83	
3	16QAM	1	0	14.90	15.02	15.00	
3	16QAM	1	8	14.97	15.12	14.70	15.5
3	16QAM	1	14	14.77	14.93	14.91	
3	16QAM	8	0	14.91	15.14	14.70	
3	16QAM	8	4	14.76	14.96	14.81	15.5
3	16QAM	8	7	14.90	14.86	14.90	
3	16QAM	15	0	14.80	14.90	14.77	
3	64QAM	1	0	14.85	15.08	14.79	
3	64QAM	1	8	14.95	15.03	14.93	
3	64QAM	1	14	14.79	14.96	14.79	15.5
3	64QAM	8	0	15.01	14.92	14.76	
3	64QAM	8	4	14.96	14.98	14.83	
3	64QAM	8	7	14.89	14.77	14.68	
3	64QAM	15	0	14.94	15.07	14.83	
3	256QAM	1	0	14.76	14.91	14.96	15.5
3	256QAM	1	8	15.08	15.00	14.72	
3	256QAM	1	14	14.94	15.01	14.75	
3	256QAM	8	0	14.83	15.07	14.73	15.5
3	256QAM	8	4	14.78	15.11	15.04	
3	256QAM	8	7	14.81	15.04	14.84	
3	256QAM	15	0	14.88	15.05	14.91	
Channel				26047	26340	26683	
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	14.95	15.38	15.26	15.5
1.4	QPSK	1	3	14.99	15.27	14.98	
1.4	QPSK	1	5	14.95	15.04	15.00	
1.4	QPSK	3	0	14.92	15.04	14.94	
1.4	QPSK	3	1	14.94	15.00	14.95	
1.4	QPSK	3	3	14.87	14.98	14.90	15.5
1.4	QPSK	6	0	15.04	15.21	14.87	
1.4	16QAM	1	0	14.93	15.08	15.09	
1.4	16QAM	1	3	14.96	15.01	14.79	15.5
1.4	16QAM	1	5	14.79	15.04	14.81	
1.4	16QAM	3	0	15.03	14.98	14.67	
1.4	16QAM	3	1	14.83	14.97	14.81	
1.4	16QAM	3	3	14.90	14.84	14.90	
1.4	16QAM	6	0	14.77	14.80	14.72	15.5
1.4	64QAM	1	0	14.82	15.03	14.80	
1.4	64QAM	1	3	14.97	15.04	14.97	15.5
1.4	64QAM	1	5	14.96	14.96	14.88	
1.4	64QAM	3	0	14.94	15.04	14.82	
1.4	64QAM	3	1	14.93	15.03	14.76	



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1.4	64QAM	3	3	14.90	14.91	14.86	
1.4	64QAM	6	0	14.88	15.09	14.70	15.5
1.4	256QAM	1	0	14.72	15.03	14.92	15.5
1.4	256QAM	1	3	15.08	15.10	14.68	
1.4	256QAM	1	5	14.94	15.08	14.72	
1.4	256QAM	3	0	14.66	14.89	14.80	
1.4	256QAM	3	1	14.86	15.05	14.85	
1.4	256QAM	3	3	14.83	14.88	14.76	
1.4	256QAM	6	0	14.78	14.99	14.84	15.5

**<LTE Band 26\_Ant 0\_Sensor OFF\_NB/TB>**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	23.20	23.58	23.29	24.5
15	QPSK	1	37	23.12	23.27	23.21	
15	QPSK	1	74	23.35	23.28	23.19	
15	QPSK	36	0	22.27	22.43	22.30	23.5
15	QPSK	36	20	22.38	22.36	22.28	
15	QPSK	36	39	22.29	22.37	22.38	
15	QPSK	75	0	22.37	22.47	22.41	23.5
15	16QAM	1	0	22.55	22.37	22.80	
15	16QAM	1	37	22.79	23.01	22.64	
15	16QAM	1	74	22.53	22.58	22.40	22.5
15	16QAM	36	0	21.36	21.33	21.44	
15	16QAM	36	20	21.42	21.44	21.42	
15	16QAM	36	39	21.34	21.35	21.41	22.5
15	16QAM	75	0	21.34	21.40	21.38	
15	64QAM	1	0	21.40	21.28	21.56	
15	64QAM	1	37	21.14	21.60	21.65	22.5
15	64QAM	1	74	21.38	21.60	21.21	
15	64QAM	36	0	20.33	20.30	20.35	
15	64QAM	36	20	20.35	20.39	20.45	21.5
15	64QAM	36	39	20.35	20.31	20.41	
15	64QAM	75	0	20.38	20.46	20.47	
15	256QAM	1	0	18.61	18.55	18.80	19.5
15	256QAM	1	37	18.37	18.80	18.90	
15	256QAM	1	74	18.58	18.83	18.45	
15	256QAM	36	0	17.62	17.51	17.64	19.5
15	256QAM	36	20	17.59	17.61	17.74	
15	256QAM	36	39	17.60	17.52	17.66	
15	256QAM	75	0	17.68	17.71	17.71	
Channel				26740	26865	26990	
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	23.17	23.50	23.12	24.5
10	QPSK	1	25	23.11	23.10	23.04	
10	QPSK	1	49	23.35	23.11	23.19	
10	QPSK	25	0	22.20	22.21	22.21	23.5
10	QPSK	25	12	22.20	22.26	22.26	
10	QPSK	25	25	22.27	22.25	22.29	
10	QPSK	50	0	22.19	22.37	22.31	23.5
10	16QAM	1	0	22.48	22.22	22.69	
10	16QAM	1	25	22.75	22.91	22.61	
10	16QAM	1	49	22.40	22.47	22.23	22.5
10	16QAM	25	0	21.28	21.28	21.44	
10	16QAM	25	12	21.22	21.40	21.29	
10	16QAM	25	25	21.34	21.18	21.36	22.5
10	16QAM	50	0	21.16	21.24	21.28	
10	64QAM	1	0	21.38	21.12	21.38	
10	64QAM	1	25	20.94	21.51	21.47	



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10	64QAM	1	49	21.37	21.60	21.04	21.5
10	64QAM	25	0	20.14	20.19	20.35	
10	64QAM	25	12	20.31	20.24	20.25	
10	64QAM	25	25	20.20	20.31	20.38	
10	64QAM	50	0	20.20	20.46	20.43	19.5
10	256QAM	1	0	18.51	18.51	18.74	
10	256QAM	1	25	18.21	18.76	18.71	
10	256QAM	1	49	18.46	18.82	18.43	
10	256QAM	25	0	17.60	17.53	17.64	19.5
10	256QAM	25	12	17.69	17.56	17.71	
10	256QAM	25	25	17.53	17.59	17.60	
10	256QAM	50	0	17.58	17.65	17.71	
Channel				26715	26865	27015	Tune-up limit(dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	23.19	23.38	23.29	24.5
5	QPSK	1	12	22.99	23.15	23.21	
5	QPSK	1	24	23.18	23.18	23.01	
5	QPSK	12	0	22.24	22.19	22.30	23.5
5	QPSK	12	7	22.33	22.32	22.28	
5	QPSK	12	13	22.22	22.27	22.37	
5	QPSK	25	0	22.31	22.42	22.37	
5	16QAM	1	0	22.37	22.33	22.62	23.5
5	16QAM	1	12	22.70	22.85	22.46	
5	16QAM	1	24	22.40	22.51	22.33	
5	16QAM	12	0	21.36	21.32	21.41	22.5
5	16QAM	12	7	21.26	21.35	21.36	
5	16QAM	12	13	21.21	21.35	21.37	
5	16QAM	25	0	21.25	21.25	21.30	
5	64QAM	1	0	21.38	21.13	21.40	22.5
5	64QAM	1	12	21.04	21.56	21.63	
5	64QAM	1	24	21.18	21.47	21.18	
5	64QAM	12	0	20.26	20.22	20.25	
5	64QAM	12	7	20.32	20.36	20.26	21.5
5	64QAM	12	13	20.16	20.29	20.41	
5	64QAM	25	0	20.20	20.29	20.47	
5	256QAM	1	0	18.49	18.43	18.77	19.5
5	256QAM	1	12	18.19	18.77	18.77	
5	256QAM	1	24	18.49	18.82	18.43	
5	256QAM	12	0	17.62	17.52	17.62	19.5
5	256QAM	12	7	17.50	17.57	17.55	
5	256QAM	12	13	17.52	17.53	17.60	
5	256QAM	25	0	17.60	17.68	17.80	
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	23.11	23.42	23.09	24.5
3	QPSK	1	8	23.03	23.10	23.17	
3	QPSK	1	14	23.26	23.18	23.09	
3	QPSK	8	0	22.09	22.24	22.21	23.5
3	QPSK	8	4	22.21	22.16	22.37	
3	QPSK	8	7	22.24	22.22	22.32	
3	QPSK	15	0	22.35	22.36	22.29	
3	16QAM	1	0	22.41	22.23	22.79	23.5
3	16QAM	1	8	22.61	23.00	22.58	
3	16QAM	1	14	22.42	22.48	22.32	
3	16QAM	8	0	21.22	21.13	21.30	
3	16QAM	8	4	21.29	21.44	21.24	22.5
3	16QAM	8	7	21.19	21.29	21.33	
3	16QAM	15	0	21.19	21.37	21.20	
3	64QAM	1	0	21.23	21.17	21.38	
3	64QAM	1	8	21.01	21.53	21.59	22.5
3	64QAM	1	14	21.29	21.57	21.04	
3	64QAM	8	0	20.33	20.10	20.15	
3	64QAM	8	4	20.25	20.31	20.45	21.5



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3	64QAM	8	7	20.21	20.11	20.39	
3	64QAM	15	0	20.36	20.37	20.27	
3	256QAM	1	0	18.41	18.38	18.61	19.5
3	256QAM	1	8	18.27	18.67	18.86	
3	256QAM	1	14	18.48	18.75	18.38	
3	256QAM	8	0	17.61	17.59	17.63	19.5
3	256QAM	8	4	17.58	17.51	17.68	
3	256QAM	8	7	17.57	17.55	17.66	
3	256QAM	15	0	17.56	17.63	17.67	
Channel				26697	26865	27033	Tune-up limit (dBm)
Frequency (MHz)				814.7	831.5	848.3	
1.4	QPSK	1	0	23.51	23.33	23.46	24.5
1.4	QPSK	1	3	23.56	23.37	23.42	
1.4	QPSK	1	5	23.50	23.25	23.47	
1.4	QPSK	3	0	23.44	23.38	23.41	
1.4	QPSK	3	1	23.41	23.29	23.37	
1.4	QPSK	3	3	23.35	23.32	23.46	
1.4	QPSK	6	0	22.44	22.48	22.45	23.5
1.4	16QAM	1	0	22.68	22.53	22.41	23.5
1.4	16QAM	1	3	23.03	22.77	22.89	
1.4	16QAM	1	5	22.80	22.65	22.45	
1.4	16QAM	3	0	22.52	22.48	22.56	
1.4	16QAM	3	1	22.76	22.41	22.48	
1.4	16QAM	3	3	22.52	22.53	22.53	22.5
1.4	16QAM	6	0	21.47	21.48	21.43	
1.4	64QAM	1	0	20.98	21.44	21.60	22.5
1.4	64QAM	1	3	21.56	21.36	21.74	
1.4	64QAM	1	5	21.64	21.54	21.63	
1.4	64QAM	3	0	21.44	21.64	21.52	
1.4	64QAM	3	1	21.55	21.25	21.53	
1.4	64QAM	3	3	21.48	21.52	21.51	
1.4	64QAM	6	0	20.31	20.39	20.52	21.5
1.4	256QAM	1	0	18.02	18.45	18.69	19.5
1.4	256QAM	1	3	18.66	18.39	18.82	
1.4	256QAM	1	5	18.66	18.60	18.64	
1.4	256QAM	3	0	18.52	18.64	18.59	
1.4	256QAM	3	1	18.61	18.26	18.53	
1.4	256QAM	3	3	18.54	18.59	18.58	
1.4	256QAM	6	0	17.89	17.91	18.12	



<LTE Band 26\_Ant 0\_Sensor ON\_NB>

Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel	26765	26865	26965	22.5
Frequency (MHz)	821.5	831.5	841.5	
15	21.70	22.20	21.90	
15	21.69	21.61	21.69	21.5
15	21.63	21.74	21.80	
15	20.85	20.96	20.90	
15	20.84	20.83	20.77	21.5
15	20.78	20.94	20.88	
15	20.81	20.92	20.83	
15	20.83	20.52	20.40	21.5
15	21.05	20.98	20.53	
15	20.94	20.63	21.02	
15	19.86	19.74	19.69	20.5
15	19.88	19.86	19.86	
15	19.93	19.91	19.89	
15	19.85	19.88	19.89	20.5
15	19.43	20.48	20.05	
15	19.92	20.32	19.75	
15	20.08	19.78	20.12	20.5
15	18.81	18.64	18.72	
15	18.88	18.87	18.95	
15	18.87	18.92	18.84	19.5
15	18.88	18.71	18.87	
15	16.01	17.03	16.55	
15	16.11	17.16	16.67	17.5
15	16.00	17.02	16.61	
15	16.06	17.05	16.59	
15	15.97	16.98	16.61	17.5
15	16.02	17.16	16.71	
15	16.05	17.04	16.75	
Channel	26740	26865	26990	22.5
Frequency (MHz)	819	831.5	844	
10	21.45	21.62	21.54	
10	21.59	21.51	21.53	21.5
10	21.47	21.67	21.78	
10	20.81	20.64	20.70	
10	20.72	20.76	20.91	21.5
10	20.70	20.85	20.86	
10	20.63	20.73	20.84	
10	20.79	20.33	20.20	21.5
10	20.90	20.80	20.36	
10	20.91	20.43	20.89	
10	19.77	19.67	19.52	20.5
10	19.73	19.82	19.76	
10	19.83	19.88	19.76	
10	19.70	19.82	19.82	20.5
10	19.39	20.36	19.94	
10	19.88	20.22	19.61	
10	20.04	19.70	20.06	19.5
10	18.64	18.48	18.52	
10	18.84	18.75	18.94	
10	18.71	18.83	18.82	17.5
10	18.81	18.53	18.78	
10	16.00	16.96	16.48	
10	15.99	16.99	16.64	17.5
10	15.89	16.86	16.52	
10	15.90	17.03	16.48	
10	15.86	16.84	16.43	17.5



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**Report No. : FA3N0927**

10	256QAM	25	25	16.01	17.05	16.53	
10	256QAM	50	0	16.00	16.95	16.68	
Channel				26715	26865	27015	Tune-up limit(dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	21.47	21.78	21.55	22.5
5	QPSK	1	12	21.59	21.49	21.63	
5	QPSK	1	24	21.57	21.71	21.60	
5	QPSK	12	0	20.71	20.62	20.72	21.5
5	QPSK	12	7	20.84	20.83	20.96	
5	QPSK	12	13	20.69	20.84	20.83	
5	QPSK	25	0	20.81	20.69	20.83	
5	16QAM	1	0	20.83	20.44	20.28	21.5
5	16QAM	1	12	20.89	20.92	20.42	
5	16QAM	1	24	20.92	20.46	20.86	
5	16QAM	12	0	19.66	19.60	19.51	20.5
5	16QAM	12	7	19.69	19.69	19.76	
5	16QAM	12	13	19.84	19.75	19.80	
5	16QAM	25	0	19.70	19.75	19.76	
5	64QAM	1	0	19.38	20.46	19.98	20.5
5	64QAM	1	12	19.85	20.17	19.56	
5	64QAM	1	24	19.92	19.70	20.12	
5	64QAM	12	0	18.70	18.52	18.60	19.5
5	64QAM	12	7	18.78	18.75	18.76	
5	64QAM	12	13	18.68	18.91	18.66	
5	64QAM	25	0	18.79	18.59	18.73	
5	256QAM	1	0	15.94	16.91	16.40	17.5
5	256QAM	1	12	15.97	16.98	16.58	
5	256QAM	1	24	15.91	16.88	16.43	
5	256QAM	12	0	15.90	16.96	16.47	17.5
5	256QAM	12	7	15.95	16.89	16.43	
5	256QAM	12	13	15.98	16.98	16.51	
5	256QAM	25	0	15.87	16.93	16.56	
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	21.62	21.62	21.47	22.5
3	QPSK	1	8	21.57	21.60	21.66	
3	QPSK	1	14	21.52	21.65	21.65	
3	QPSK	8	0	20.78	20.74	20.70	21.5
3	QPSK	8	4	20.77	20.67	20.95	
3	QPSK	8	7	20.77	20.76	20.87	
3	QPSK	15	0	20.78	20.82	20.86	
3	16QAM	1	0	20.80	20.50	20.26	21.5
3	16QAM	1	8	20.85	20.84	20.41	
3	16QAM	1	14	20.86	20.44	20.87	
3	16QAM	8	0	19.66	19.72	19.54	20.5
3	16QAM	8	4	19.77	19.78	19.85	
3	16QAM	8	7	19.81	19.87	19.87	
3	16QAM	15	0	19.81	19.68	19.81	
3	64QAM	1	0	19.33	20.39	19.96	20.5
3	64QAM	1	8	19.78	20.25	19.72	
3	64QAM	1	14	19.90	19.58	19.95	
3	64QAM	8	0	18.73	18.51	18.58	19.5
3	64QAM	8	4	18.77	18.84	18.79	
3	64QAM	8	7	18.76	18.84	18.73	
3	64QAM	15	0	18.74	18.66	18.87	
3	256QAM	1	0	15.96	16.89	16.38	17.5
3	256QAM	1	8	16.02	17.16	16.58	
3	256QAM	1	14	15.88	16.97	16.43	
3	256QAM	8	0	15.87	16.90	16.44	17.5
3	256QAM	8	4	15.89	16.85	16.61	
3	256QAM	8	7	15.86	17.16	16.70	
3	256QAM	15	0	15.90	17.03	16.62	
Channel				26697	26865	27033	Tune-up limit



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Frequency (MHz)				814.7	831.5	848.3	(dBm)
1.4	QPSK	1	0	21.54	21.79	21.62	22.5
1.4	QPSK	1	3	21.55	21.43	21.55	
1.4	QPSK	1	5	21.52	21.68	21.64	
1.4	QPSK	3	0	20.70	20.63	20.76	
1.4	QPSK	3	1	20.65	20.69	20.84	
1.4	QPSK	3	3	20.59	20.83	20.82	
1.4	QPSK	6	0	20.73	20.83	20.91	21.5
1.4	16QAM	1	0	20.67	20.41	20.39	21.5
1.4	16QAM	1	3	21.01	20.88	20.40	
1.4	16QAM	1	5	20.76	20.59	20.97	
1.4	16QAM	3	0	19.86	19.72	19.51	
1.4	16QAM	3	1	19.86	19.86	19.70	
1.4	16QAM	3	3	19.82	19.71	19.81	
1.4	16QAM	6	0	19.83	19.76	19.69	20.5
1.4	64QAM	1	0	19.27	20.33	19.97	20.5
1.4	64QAM	1	3	19.90	20.29	19.71	
1.4	64QAM	1	5	19.97	19.62	20.11	
1.4	64QAM	3	0	18.68	18.54	18.63	
1.4	64QAM	3	1	18.86	18.67	18.82	
1.4	64QAM	3	3	18.76	18.92	18.83	
1.4	64QAM	6	0	18.86	18.62	18.87	19.5
1.4	256QAM	1	0	15.90	16.91	16.55	17.5
1.4	256QAM	1	3	16.00	17.11	16.47	
1.4	256QAM	1	5	15.85	16.95	16.49	
1.4	256QAM	3	0	15.88	17.04	16.52	
1.4	256QAM	3	1	15.84	16.97	16.61	
1.4	256QAM	3	3	15.90	17.02	16.65	
1.4	256QAM	6	0	15.90	17.04	16.65	17.5

**<LTE Band 26\_Ant 0\_Sensor ON\_TB>**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				26765	26865	26965	18.5
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	18.22	18.38	18.23	
15	QPSK	1	37	18.22	18.23	18.21	17.5
15	QPSK	1	74	18.20	18.32	18.20	
15	QPSK	36	0	17.33	17.40	17.32	
15	QPSK	36	20	17.30	17.38	17.31	17.5
15	QPSK	36	39	17.26	17.36	17.22	
15	QPSK	75	0	17.36	17.41	17.38	
15	16QAM	1	0	17.40	17.42	17.33	17.5
15	16QAM	1	37	17.21	17.30	17.30	
15	16QAM	1	74	17.28	17.30	17.29	
15	16QAM	36	0	16.43	16.32	16.23	16.5
15	16QAM	36	20	16.46	16.43	16.37	
15	16QAM	36	39	16.37	16.48	16.38	
15	16QAM	75	0	16.43	16.38	16.31	16.5
15	64QAM	1	0	16.14	16.49	16.40	
15	64QAM	1	37	16.49	16.47	16.41	
15	64QAM	1	74	16.40	16.46	16.38	15.5
15	64QAM	36	0	15.31	15.31	15.24	
15	64QAM	36	20	15.36	15.40	15.28	
15	64QAM	36	39	15.42	15.40	15.27	13.5
15	64QAM	75	0	15.26	15.39	15.38	
15	256QAM	1	0	13.23	13.21	13.08	
15	256QAM	1	37	13.39	13.33	13.26	13.5
15	256QAM	1	74	13.14	13.22	13.19	
15	256QAM	36	0	13.25	13.29	13.15	
15	256QAM	36	20	13.36	13.30	13.09	13.5



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15	256QAM	36	39	13.38	13.31	13.26	
15	256QAM	75	0	13.21	13.38	13.29	
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	18.04	18.18	18.11	18.5
10	QPSK	1	25	18.15	18.05	18.11	
10	QPSK	1	49	18.10	18.23	18.06	
10	QPSK	25	0	17.20	17.37	17.25	17.5
10	QPSK	25	12	17.28	17.31	17.25	
10	QPSK	25	25	17.20	17.26	17.19	
10	QPSK	50	0	17.34	17.28	17.36	
10	16QAM	1	0	17.39	17.26	17.24	17.5
10	16QAM	1	25	17.09	17.21	17.26	
10	16QAM	1	49	17.25	17.26	17.26	
10	16QAM	25	0	16.38	16.13	16.05	16.5
10	16QAM	25	12	16.41	16.34	16.18	
10	16QAM	25	25	16.18	16.29	16.33	
10	16QAM	50	0	16.39	16.24	16.19	
10	64QAM	1	0	16.13	16.34	16.26	16.5
10	64QAM	1	25	16.40	16.42	16.34	
10	64QAM	1	49	16.31	16.29	16.34	
10	64QAM	25	0	15.19	15.25	15.15	15.5
10	64QAM	25	12	15.32	15.25	15.19	
10	64QAM	25	25	15.33	15.40	15.26	
10	64QAM	50	0	15.25	15.39	15.36	
10	256QAM	1	0	13.21	13.04	12.95	13.5
10	256QAM	1	25	13.26	13.29	13.06	
10	256QAM	1	49	13.13	13.03	13.05	
10	256QAM	25	0	13.20	13.26	13.00	13.5
10	256QAM	25	12	13.19	13.19	12.97	
10	256QAM	25	25	13.32	13.23	13.19	
10	256QAM	50	0	13.20	13.36	13.16	
Channel				26715	26865	27015	Tune-up limit(dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	18.22	18.18	18.06	18.5
5	QPSK	1	12	18.13	18.15	18.06	
5	QPSK	1	24	18.09	18.21	18.14	
5	QPSK	12	0	17.25	17.40	17.32	17.5
5	QPSK	12	7	17.30	17.37	17.20	
5	QPSK	12	13	17.22	17.28	17.04	
5	QPSK	25	0	17.32	17.22	17.23	
5	16QAM	1	0	17.32	17.33	17.28	17.5
5	16QAM	1	12	17.13	17.25	17.24	
5	16QAM	1	24	17.13	17.19	17.29	
5	16QAM	12	0	16.33	16.27	16.03	16.5
5	16QAM	12	7	16.32	16.24	16.18	
5	16QAM	12	13	16.21	16.32	16.24	
5	16QAM	25	0	16.26	16.32	16.19	
5	64QAM	1	0	15.97	16.29	16.39	16.5
5	64QAM	1	12	16.46	16.33	16.25	
5	64QAM	1	24	16.30	16.30	16.35	
5	64QAM	12	0	15.20	15.24	15.11	15.5
5	64QAM	12	7	15.24	15.25	15.18	
5	64QAM	12	13	15.26	15.38	15.24	
5	64QAM	25	0	15.13	15.24	15.38	
5	256QAM	1	0	13.05	13.20	12.93	13.5
5	256QAM	1	12	13.19	13.22	13.25	
5	256QAM	1	24	12.94	13.04	13.17	
5	256QAM	12	0	13.11	13.22	13.09	13.5
5	256QAM	12	7	13.23	13.19	13.00	
5	256QAM	12	13	13.18	13.26	13.08	
5	256QAM	25	0	13.17	13.23	13.18	
Channel				26705	26865	27025	Tune-up limit





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Frequency (MHz)				815.5	831.5	847.5	(dBm)
3	QPSK	1	0	18.15	18.33	18.14	18.5
3	QPSK	1	8	18.16	18.06	18.05	
3	QPSK	1	14	18.11	18.22	18.18	
3	QPSK	8	0	17.19	17.33	17.19	17.5
3	QPSK	8	4	17.24	17.22	17.12	
3	QPSK	8	7	17.06	17.31	17.12	
3	QPSK	15	0	17.28	17.25	17.19	17.5
3	16QAM	1	0	17.29	17.41	17.22	
3	16QAM	1	8	17.08	17.23	17.22	
3	16QAM	1	14	17.23	17.19	17.15	16.5
3	16QAM	8	0	16.28	16.15	16.20	
3	16QAM	8	4	16.34	16.24	16.28	
3	16QAM	8	7	16.23	16.39	16.29	16.5
3	16QAM	15	0	16.40	16.24	16.16	
3	64QAM	1	0	16.11	16.45	16.35	
3	64QAM	1	8	16.42	16.31	16.30	16.5
3	64QAM	1	14	16.31	16.39	16.38	
3	64QAM	8	0	15.14	15.28	15.18	
3	64QAM	8	4	15.18	15.31	15.16	15.5
3	64QAM	8	7	15.23	15.38	15.17	
3	64QAM	15	0	15.25	15.32	15.22	
3	256QAM	1	0	13.23	13.19	12.90	13.5
3	256QAM	1	8	13.26	13.23	13.07	
3	256QAM	1	14	13.11	13.04	13.03	
3	256QAM	8	0	13.09	13.27	13.05	13.5
3	256QAM	8	4	13.23	13.10	13.01	
3	256QAM	8	7	13.28	13.20	13.17	
3	256QAM	15	0	13.10	13.18	13.19	
Channel				26697	26865	27033	Tune-up limit (dBm)
Frequency (MHz)				814.7	831.5	848.3	
1.4	QPSK	1	0	18.22	18.20	18.11	18.5
1.4	QPSK	1	3	18.12	18.04	18.14	
1.4	QPSK	1	5	18.09	18.26	18.00	
1.4	QPSK	3	0	17.32	17.36	17.26	
1.4	QPSK	3	1	17.28	17.33	17.25	
1.4	QPSK	3	3	17.16	17.19	17.12	17.5
1.4	QPSK	6	0	17.24	17.25	17.25	
1.4	16QAM	1	0	17.23	17.34	17.27	17.5
1.4	16QAM	1	3	17.02	17.30	17.27	
1.4	16QAM	1	5	17.17	17.17	17.16	
1.4	16QAM	3	0	16.28	16.25	16.07	
1.4	16QAM	3	1	16.43	16.39	16.26	
1.4	16QAM	3	3	16.26	16.33	16.25	16.5
1.4	16QAM	6	0	16.23	16.20	16.26	
1.4	64QAM	1	0	15.96	16.37	16.32	
1.4	64QAM	1	3	16.32	16.36	16.21	16.5
1.4	64QAM	1	5	16.28	16.43	16.23	
1.4	64QAM	3	0	15.18	15.16	15.07	
1.4	64QAM	3	1	15.20	15.30	15.24	
1.4	64QAM	3	3	15.42	15.29	15.22	
1.4	64QAM	6	0	15.23	15.19	15.38	15.5
1.4	256QAM	1	0	13.05	13.09	12.98	13.5
1.4	256QAM	1	3	13.25	13.24	13.22	
1.4	256QAM	1	5	12.97	13.08	13.03	
1.4	256QAM	3	0	13.05	13.26	13.13	
1.4	256QAM	3	1	13.20	13.20	12.92	
1.4	256QAM	3	3	13.18	13.19	13.06	13.5
1.4	256QAM	6	0	13.01	13.21	13.09	



<LTE Band 30\_Ant 0\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				27710			
Frequency (MHz)				2310			
10	QPSK	1	0		21.90		23
10	QPSK	1	25		21.88		
10	QPSK	1	49		21.74		
10	QPSK	25	0		20.91		22
10	QPSK	25	12		20.88		
10	QPSK	25	25		20.86		
10	QPSK	50	0		20.80		
10	16QAM	1	0		21.07		22
10	16QAM	1	25		21.25		
10	16QAM	1	49		20.56		
10	16QAM	25	0		19.85		21
10	16QAM	25	12		19.85		
10	16QAM	25	25		19.81		
10	16QAM	50	0		19.77		
10	64QAM	1	0		19.96		21
10	64QAM	1	25		20.15		
10	64QAM	1	49		19.99		
10	64QAM	25	0		18.80		20
10	64QAM	25	12		18.85		
10	64QAM	25	25		18.89		
10	64QAM	50	0		18.79		
10	256QAM	1	0		17.20		18
10	256QAM	1	25		17.40		
10	256QAM	1	49		17.19		
10	256QAM	25	0		16.40		18
10	256QAM	25	12		16.42		
10	256QAM	25	25		16.46		
10	256QAM	50	0		16.29		
Channel				27685	27710	27735	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	21.64	21.65	21.69	23
5	QPSK	1	12	21.78	21.78	21.82	
5	QPSK	1	24	21.59	21.54	21.58	
5	QPSK	12	0	20.78	20.88	20.72	22
5	QPSK	12	7	20.72	20.87	20.80	
5	QPSK	12	13	20.67	20.85	20.77	
5	QPSK	25	0	20.72	20.64	20.67	
5	16QAM	1	0	21.07	20.96	20.96	22
5	16QAM	1	12	21.12	21.10	21.16	
5	16QAM	1	24	20.41	20.43	20.47	
5	16QAM	12	0	19.72	19.71	19.84	21
5	16QAM	12	7	19.68	19.73	19.75	
5	16QAM	12	13	19.74	19.74	19.68	
5	16QAM	25	0	19.66	19.77	19.76	
5	64QAM	1	0	19.79	19.82	19.88	21
5	64QAM	1	12	20.15	19.97	20.09	
5	64QAM	1	24	19.81	19.80	19.82	
5	64QAM	12	0	18.61	18.71	18.67	20
5	64QAM	12	7	18.78	18.73	18.73	
5	64QAM	12	13	18.81	18.83	18.88	
5	64QAM	25	0	18.59	18.76	18.73	
5	256QAM	1	0	17.19	17.10	17.00	18
5	256QAM	1	12	17.31	17.37	17.40	
5	256QAM	1	24	16.99	17.12	17.15	
5	256QAM	12	0	16.40	16.38	16.29	18



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5	256QAM	12	7	16.40	16.33	16.29
5	256QAM	12	13	16.35	16.46	16.45
5	256QAM	25	0	16.28	16.18	16.35

**<LTE Band 30\_Ant 2\_Sensor OFF\_NB/TB>**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				27710			
Frequency (MHz)				2310			
10	QPSK	1	0		22.97		23
10	QPSK	1	25		22.94		
10	QPSK	1	49		22.91		
10	QPSK	25	0		21.98		22
10	QPSK	25	12		21.97		
10	QPSK	25	25		21.92		
10	QPSK	50	0		21.98		22
10	16QAM	1	0		21.98		
10	16QAM	1	25		21.94		
10	16QAM	1	49		21.93		21
10	16QAM	25	0		20.96		
10	16QAM	25	12		20.95		
10	16QAM	25	25		20.88		21
10	16QAM	50	0		20.92		
10	64QAM	1	0		20.92		
10	64QAM	1	25		20.88		21
10	64QAM	1	49		20.84		
10	64QAM	25	0		19.97		
10	64QAM	25	12		19.94		20
10	64QAM	25	25		19.96		
10	64QAM	50	0		19.98		
10	256QAM	1	0		17.86		18
10	256QAM	1	25		17.76		
10	256QAM	1	49		17.69		
10	256QAM	25	0		17.97		18
10	256QAM	25	12		17.96		
10	256QAM	25	25		17.94		
10	256QAM	50	0		17.96		
Channel				27685	27710	27735	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	22.85	22.90	22.87	23
5	QPSK	1	12	22.83	22.78	22.88	
5	QPSK	1	24	22.87	22.91	22.88	
5	QPSK	12	0	21.98	21.93	21.89	22
5	QPSK	12	7	21.87	21.93	21.94	
5	QPSK	12	13	21.72	21.86	21.81	
5	QPSK	25	0	21.91	21.95	21.92	22
5	16QAM	1	0	21.79	21.93	21.92	
5	16QAM	1	12	21.84	21.82	21.84	
5	16QAM	1	24	21.88	21.92	21.80	21
5	16QAM	12	0	20.87	20.93	20.85	
5	16QAM	12	7	20.93	20.93	20.76	
5	16QAM	12	13	20.87	20.86	20.80	21
5	16QAM	25	0	20.84	20.82	20.84	
5	64QAM	1	0	20.79	20.88	20.78	
5	64QAM	1	12	20.88	20.74	20.76	21
5	64QAM	1	24	20.68	20.80	20.80	
5	64QAM	12	0	19.84	19.82	19.79	
5	64QAM	12	7	19.88	19.78	19.92	20
5	64QAM	12	13	19.82	19.78	19.87	
5	64QAM	25	0	19.89	19.95	19.79	
5	256QAM	1	0	17.76	17.73	17.72	18



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5	256QAM	1	12	17.67	17.73	17.67	18
5	256QAM	1	24	17.57	17.66	17.56	
5	256QAM	12	0	17.87	17.94	17.94	
5	256QAM	12	7	17.82	17.94	17.86	
5	256QAM	12	13	17.86	17.74	17.90	
5	256QAM	25	0	17.83	17.96	17.81	

**<LTE Band 30\_Ant 0\_Sensor ON\_NB>**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				27710			
Frequency (MHz)				2310			
10	QPSK	1	0		16.99		17.5
10	QPSK	1	25		16.87		
10	QPSK	1	49		16.85		
10	QPSK	25	0		15.97		16.5
10	QPSK	25	12		15.88		
10	QPSK	25	25		15.87		
10	QPSK	50	0		15.99		16.5
10	16QAM	1	0		16.34		
10	16QAM	1	25		16.23		
10	16QAM	1	49		16.43		16.5
10	16QAM	25	0		15.06		
10	16QAM	25	12		14.98		
10	16QAM	25	25		14.99		15.5
10	16QAM	50	0		14.88		
10	64QAM	1	0		15.27		
10	64QAM	1	25		15.49		15.5
10	64QAM	1	49		15.09		
10	64QAM	25	0		14.03		
10	64QAM	25	12		14.01		14.5
10	64QAM	25	25		13.90		
10	64QAM	50	0		13.91		
10	256QAM	1	0		10.58		12.5
10	256QAM	1	25		10.71		
10	256QAM	1	49		10.63		
10	256QAM	25	0		10.53		12.5
10	256QAM	25	12		10.67		
10	256QAM	25	25		10.57		
10	256QAM	50	0		10.62		
Channel				27685	27710	27735	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	16.81	16.84	16.74	17.5
5	QPSK	1	12	16.77	16.83	16.79	
5	QPSK	1	24	16.85	16.91	16.98	
5	QPSK	12	0	15.74	15.70	15.82	16.5
5	QPSK	12	7	15.97	15.82	15.81	
5	QPSK	12	13	15.82	15.69	15.78	
5	QPSK	25	0	15.91	15.87	15.96	16.5
5	16QAM	1	0	16.19	16.28	16.19	
5	16QAM	1	12	16.05	16.15	16.08	
5	16QAM	1	24	16.33	16.25	16.29	16.5
5	16QAM	12	0	14.92	14.92	15.06	
5	16QAM	12	7	14.80	14.85	14.85	
5	16QAM	12	13	14.99	14.87	14.95	15.5
5	16QAM	25	0	14.88	14.74	14.85	
5	64QAM	1	0	15.21	15.19	15.12	
5	64QAM	1	12	15.35	15.44	15.33	15.5
5	64QAM	1	24	15.07	14.91	15.09	
5	64QAM	12	0	13.99	13.93	13.84	
5	64QAM	12	7	13.81	14.00	14.01	14.5



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5	64QAM	12	13	13.88	13.79	13.85	
5	64QAM	25	0	13.81	13.75	13.81	
5	256QAM	1	0	10.55	10.56	10.52	
5	256QAM	1	12	10.65	10.70	10.63	12.5
5	256QAM	1	24	10.59	10.63	10.60	
5	256QAM	12	0	10.59	10.58	10.53	
5	256QAM	12	7	10.55	10.56	10.55	12.5
5	256QAM	12	13	10.56	10.51	10.59	
5	256QAM	25	0	10.60	10.58	10.55	

**<LTE Band 30\_Ant 0\_Sensor ON\_NB>**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				27710			
Frequency (MHz)				2310			
10	QPSK	1	0		17.95		18
10	QPSK	1	25		17.92		
10	QPSK	1	49		17.90		
10	QPSK	25	0		17.90		18
10	QPSK	25	12		17.81		
10	QPSK	25	25		17.83		
10	QPSK	50	0		17.94		18
10	16QAM	1	0		17.83		
10	16QAM	1	25		17.83		
10	16QAM	1	49		17.88		18
10	16QAM	25	0		17.89		
10	16QAM	25	12		17.79		
10	16QAM	25	25		17.77		18
10	16QAM	50	0		17.85		
10	64QAM	1	0		17.81		
10	64QAM	1	25		17.75		18
10	64QAM	1	49		17.84		
10	64QAM	25	0		17.77		
10	64QAM	25	12		17.75		18
10	64QAM	25	25		17.67		
10	64QAM	50	0		17.83		
10	256QAM	1	0		17.90		18
10	256QAM	1	25		17.81		
10	256QAM	1	49		17.72		
10	256QAM	25	0		17.94		18
10	256QAM	25	12		17.88		
10	256QAM	25	25		17.86		
10	256QAM	50	0		17.88		
Channel				27685	27710	27735	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	17.83	17.93	17.88	18
5	QPSK	1	12	17.82	17.80	17.83	
5	QPSK	1	24	17.74	17.79	17.79	
5	QPSK	12	0	17.70	17.78	17.73	18
5	QPSK	12	7	17.76	17.64	17.61	
5	QPSK	12	13	17.64	17.80	17.63	
5	QPSK	25	0	17.80	17.89	17.79	18
5	16QAM	1	0	17.65	17.65	17.82	
5	16QAM	1	12	17.76	17.80	17.78	
5	16QAM	1	24	17.73	17.88	17.69	18
5	16QAM	12	0	17.69	17.82	17.70	
5	16QAM	12	7	17.63	17.73	17.69	
5	16QAM	12	13	17.57	17.59	17.75	18
5	16QAM	25	0	17.75	17.74	17.85	
5	64QAM	1	0	17.71	17.68	17.66	
5	64QAM	1	12	17.71	17.75	17.67	18



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5	64QAM	1	24	17.78	17.70	17.83	18
5	64QAM	12	0	17.70	17.70	17.64	
5	64QAM	12	7	17.62	17.69	17.64	
5	64QAM	12	13	17.66	17.58	17.64	
5	64QAM	25	0	17.66	17.73	17.72	
5	256QAM	1	0	17.73	17.81	17.79	18
5	256QAM	1	12	17.78	17.67	17.69	
5	256QAM	1	24	17.63	17.53	17.61	
5	256QAM	12	0	17.77	17.79	17.85	18
5	256QAM	12	7	17.76	17.79	17.76	
5	256QAM	12	13	17.66	17.79	17.81	
5	256QAM	25	0	17.69	17.85	17.88	

**<LTE Band 30\_Ant 0\_Sensor ON\_TB>**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				27710			
Frequency (MHz)				2310			
10	QPSK	1	0		14.45		14.5
10	QPSK	1	25		14.40		
10	QPSK	1	49		14.24		
10	QPSK	25	0		13.47		13.5
10	QPSK	25	12		13.46		
10	QPSK	25	25		13.40		
10	QPSK	50	0		13.49		13.5
10	16QAM	1	0		13.46		
10	16QAM	1	25		13.44		
10	16QAM	1	49		13.39		12.5
10	16QAM	25	0		12.47		
10	16QAM	25	12		12.44		
10	16QAM	25	25		12.41		12.5
10	16QAM	50	0		12.50		
10	64QAM	1	0		12.43		
10	64QAM	1	25		12.35		12.5
10	64QAM	1	49		12.29		
10	64QAM	25	0		11.50		
10	64QAM	25	12		11.40		11.5
10	64QAM	25	25		11.46		
10	64QAM	50	0		11.37		
10	256QAM	1	0		9.50		9.5
10	256QAM	1	25		9.40		
10	256QAM	1	49		9.44		
10	256QAM	25	0		9.49		9.5
10	256QAM	25	12		9.40		
10	256QAM	25	25		9.46		
10	256QAM	50	0		9.37		
Channel				27685	27710	27735	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	14.25	14.41	14.35	14.5
5	QPSK	1	12	14.20	14.28	14.28	
5	QPSK	1	24	14.24	14.24	14.18	
5	QPSK	12	0	13.43	13.33	13.46	13.5
5	QPSK	12	7	13.33	13.37	13.35	
5	QPSK	12	13	13.35	13.30	13.24	
5	QPSK	25	0	13.43	13.40	13.33	13.5
5	16QAM	1	0	13.27	13.34	13.32	
5	16QAM	1	12	13.39	13.35	13.26	
5	16QAM	1	24	13.32	13.30	13.26	12.5
5	16QAM	12	0	12.28	12.27	12.44	
5	16QAM	12	7	12.29	12.42	12.26	
5	16QAM	12	13	12.26	12.24	12.40	



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5	16QAM	25	0	12.36	12.45	12.50	12.5
5	64QAM	1	0	12.41	12.43	12.36	
5	64QAM	1	12	12.15	12.27	12.34	
5	64QAM	1	24	12.18	12.13	12.29	11.5
5	64QAM	12	0	11.49	11.35	11.32	
5	64QAM	12	7	11.22	11.31	11.37	
5	64QAM	12	13	11.44	11.32	11.39	9.5
5	64QAM	25	0	11.18	11.29	11.17	
5	256QAM	1	0	9.36	9.44	9.48	
5	256QAM	1	12	9.26	9.24	9.28	9.5
5	256QAM	1	24	9.30	9.25	9.29	
5	256QAM	12	0	9.36	9.29	9.48	
5	256QAM	12	7	9.33	9.25	9.36	9.5
5	256QAM	12	13	9.26	9.46	9.41	
5	256QAM	25	0	9.21	9.21	9.30	

**<LTE Band 30\_Ant 2\_Sensor ON\_TB>**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				27710			
Frequency (MHz)				2310			
10	QPSK	1	0		14.89		15
10	QPSK	1	25		14.84		
10	QPSK	1	49		14.86		
10	QPSK	25	0		14.88		15
10	QPSK	25	12		14.86		
10	QPSK	25	25		14.84		
10	QPSK	50	0		14.85		15
10	16QAM	1	0		14.85		
10	16QAM	1	25		14.64		
10	16QAM	1	49		14.83		15
10	16QAM	25	0		14.71		
10	16QAM	25	12		14.77		
10	16QAM	25	25		14.83		15
10	16QAM	50	0		14.81		
10	64QAM	1	0		14.82		
10	64QAM	1	25		14.79		15
10	64QAM	1	49		14.75		
10	64QAM	25	0		14.70		
10	64QAM	25	12		14.74		15
10	64QAM	25	25		14.76		
10	64QAM	50	0		14.84		
10	256QAM	1	0		14.75		15
10	256QAM	1	25		14.79		
10	256QAM	1	49		14.77		
10	256QAM	25	0		14.75		15
10	256QAM	25	12		14.66		
10	256QAM	25	25		14.73		
10	256QAM	50	0		14.85		
Channel				27685	27710	27735	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	14.79	14.83	14.70	15
5	QPSK	1	12	14.71	14.80	14.64	
5	QPSK	1	24	14.86	14.78	14.71	
5	QPSK	12	0	14.75	14.88	14.68	15
5	QPSK	12	7	14.82	14.83	14.70	
5	QPSK	12	13	14.78	14.75	14.77	
5	QPSK	25	0	14.67	14.81	14.83	15
5	16QAM	1	0	14.66	14.69	14.68	
5	16QAM	1	12	14.45	14.51	14.58	
5	16QAM	1	24	14.69	14.68	14.76	



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5	16QAM	12	0	14.62	14.57	14.65	15
5	16QAM	12	7	14.77	14.67	14.65	
5	16QAM	12	13	14.75	14.68	14.66	
5	16QAM	25	0	14.74	14.81	14.74	
5	64QAM	1	0	14.64	14.74	14.73	15
5	64QAM	1	12	14.63	14.71	14.62	
5	64QAM	1	24	14.64	14.61	14.57	
5	64QAM	12	0	14.50	14.65	14.68	15
5	64QAM	12	7	14.55	14.59	14.58	
5	64QAM	12	13	14.73	14.75	14.58	
5	64QAM	25	0	14.80	14.67	14.71	
5	256QAM	1	0	14.72	14.71	14.64	15
5	256QAM	1	12	14.78	14.60	14.79	
5	256QAM	1	24	14.67	14.70	14.61	
5	256QAM	12	0	14.74	14.66	14.72	15
5	256QAM	12	7	14.59	14.66	14.58	
5	256QAM	12	13	14.73	14.68	14.69	
5	256QAM	25	0	14.77	14.76	14.72	

**<LTE Band 66\_Ant 0\_Sensor OFF\_NB/TB>**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	24
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	22.14	22.27	23.50	24
20	QPSK	1	49	22.91	22.70	23.12	
20	QPSK	1	99	22.86	22.82	23.11	
20	QPSK	50	0	21.99	21.96	22.21	23
20	QPSK	50	24	22.00	21.94	22.13	
20	QPSK	50	50	22.03	21.89	22.20	
20	QPSK	100	0	21.93	21.96	22.09	23
20	16QAM	1	0	22.01	22.32	22.25	
20	16QAM	1	49	22.93	22.80	22.95	
20	16QAM	1	99	22.19	22.09	22.50	22
20	16QAM	50	0	20.96	20.90	21.18	
20	16QAM	50	24	21.00	20.97	21.13	
20	16QAM	50	50	20.98	20.78	21.20	22
20	16QAM	100	0	21.04	20.96	21.18	
20	64QAM	1	0	21.72	21.07	21.06	
20	64QAM	1	49	20.96	20.80	21.17	22
20	64QAM	1	99	21.14	21.00	21.27	
20	64QAM	50	0	20.03	19.92	20.09	
20	64QAM	50	24	20.09	19.81	20.21	21
20	64QAM	50	50	20.05	19.92	20.19	
20	64QAM	100	0	19.97	20.00	20.10	
20	256QAM	1	0	18.93	18.34	18.27	19
20	256QAM	1	49	18.22	18.06	18.37	
20	256QAM	1	99	18.40	18.20	18.51	
20	256QAM	50	0	17.29	17.21	17.38	19
20	256QAM	50	24	17.62	17.34	17.80	
20	256QAM	50	50	17.61	17.47	17.79	
20	256QAM	100	0	17.48	17.53	17.60	
Channel				132047	132322	132597	24
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	22.88	22.95	23.06	24
15	QPSK	1	37	22.95	22.79	23.11	
15	QPSK	1	74	23.00	22.87	22.83	
15	QPSK	36	0	22.02	21.83	22.23	23
15	QPSK	36	20	21.99	21.87	22.14	
15	QPSK	36	39	21.98	21.93	22.17	
15	QPSK	75	0	21.96	21.93	22.22	





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15	16QAM	1	0	22.01	22.20	21.84	23
15	16QAM	1	37	21.83	22.24	22.51	
15	16QAM	1	74	22.20	21.73	22.27	
15	16QAM	36	0	21.06	20.93	20.97	22
15	16QAM	36	20	20.96	20.98	21.23	
15	16QAM	36	39	20.96	20.86	21.18	
15	16QAM	75	0	21.00	20.82	21.21	22
15	64QAM	1	0	21.54	20.72	21.30	
15	64QAM	1	37	20.98	21.17	21.23	
15	64QAM	1	74	21.12	21.15	20.92	21
15	64QAM	36	0	19.95	19.83	20.15	
15	64QAM	36	20	19.99	19.93	20.08	
15	64QAM	36	39	20.07	19.76	20.16	19
15	64QAM	75	0	19.93	19.91	20.21	
15	256QAM	1	0	18.96	18.36	18.36	
15	256QAM	1	37	18.22	18.03	18.37	19
15	256QAM	1	74	18.35	18.27	18.49	
15	256QAM	36	0	17.33	17.18	17.37	
15	256QAM	36	20	17.63	17.35	17.81	19
15	256QAM	36	39	17.65	17.50	17.77	
15	256QAM	75	0	17.48	17.52	17.62	
Channel				132022	132322	132622	Tune-up limit(dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	22.76	22.87	23.03	24
10	QPSK	1	25	22.81	22.73	23.04	
10	QPSK	1	49	22.92	22.73	22.73	
10	QPSK	25	0	21.86	21.81	22.18	23
10	QPSK	25	12	21.79	21.83	22.08	
10	QPSK	25	25	21.89	21.87	21.97	
10	QPSK	50	0	21.79	21.77	22.19	23
10	16QAM	1	0	21.88	22.20	21.78	
10	16QAM	1	25	21.77	22.24	22.49	
10	16QAM	1	49	22.09	21.68	22.20	22
10	16QAM	25	0	20.91	20.80	20.92	
10	16QAM	25	12	20.87	20.90	21.20	
10	16QAM	25	25	20.89	20.82	21.08	22
10	16QAM	50	0	20.86	20.73	21.10	
10	64QAM	1	0	21.37	20.55	21.11	
10	64QAM	1	25	20.88	21.17	21.04	21
10	64QAM	1	49	20.97	21.06	20.84	
10	64QAM	25	0	19.81	19.74	19.99	
10	64QAM	25	12	19.93	19.81	19.88	19
10	64QAM	25	25	19.89	19.56	20.11	
10	64QAM	50	0	19.93	19.87	20.10	
10	256QAM	1	0	18.77	18.19	18.29	19
10	256QAM	1	25	18.15	18.03	18.18	
10	256QAM	1	49	18.23	18.14	18.40	
10	256QAM	25	0	17.19	17.06	17.33	19
10	256QAM	25	12	17.53	17.16	17.64	
10	256QAM	25	25	17.51	17.43	17.77	
10	256QAM	50	0	17.42	17.36	17.59	Tune-up limit (dBm)
Channel				131997	132322	132647	
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	22.85	22.78	22.90	24
5	QPSK	1	12	22.93	22.76	22.95	
5	QPSK	1	24	22.88	22.86	22.76	
5	QPSK	12	0	21.95	21.74	22.22	23
5	QPSK	12	7	21.79	21.78	21.97	
5	QPSK	12	13	21.80	21.85	22.08	
5	QPSK	25	0	21.96	21.84	22.09	23
5	16QAM	1	0	22.01	22.14	21.65	
5	16QAM	1	12	21.81	22.11	22.34	
5	16QAM	1	24	22.11	21.65	22.13	



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5	16QAM	12	0	21.06	20.87	20.89	22
5	16QAM	12	7	20.83	20.93	21.07	
5	16QAM	12	13	20.76	20.84	21.02	
5	16QAM	25	0	20.86	20.65	21.19	
5	64QAM	1	0	21.47	20.70	21.28	22
5	64QAM	1	12	20.91	21.16	21.03	
5	64QAM	1	24	21.10	21.12	20.85	
5	64QAM	12	0	19.83	19.67	20.12	21
5	64QAM	12	7	19.90	19.79	20.01	
5	64QAM	12	13	19.87	19.69	20.15	
5	64QAM	25	0	19.84	19.76	20.03	
5	256QAM	1	0	18.92	18.23	18.27	19
5	256QAM	1	12	18.21	17.95	18.29	
5	256QAM	1	24	18.32	18.09	18.32	
5	256QAM	12	0	17.17	17.17	17.21	19
5	256QAM	12	7	17.44	17.16	17.78	
5	256QAM	12	13	17.54	17.36	17.77	
5	256QAM	25	0	17.37	17.43	17.69	
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	22.77	22.82	23.04	24
3	QPSK	1	8	22.95	22.62	22.94	
3	QPSK	1	14	22.97	22.81	22.76	23
3	QPSK	8	0	21.86	21.77	22.13	
3	QPSK	8	4	21.82	21.73	22.05	
3	QPSK	8	7	21.89	21.91	22.04	
3	QPSK	15	0	21.76	21.84	22.16	23
3	16QAM	1	0	21.89	22.09	21.76	
3	16QAM	1	8	21.70	22.12	22.40	
3	16QAM	1	14	22.19	21.65	22.18	
3	16QAM	8	0	20.90	20.84	20.92	22
3	16QAM	8	4	20.78	20.98	21.06	
3	16QAM	8	7	20.96	20.83	21.10	
3	16QAM	15	0	20.82	20.77	21.12	
3	64QAM	1	0	21.38	20.61	21.21	22
3	64QAM	1	8	20.81	21.06	21.16	
3	64QAM	1	14	21.05	21.05	20.77	
3	64QAM	8	0	19.78	19.76	20.12	21
3	64QAM	8	4	19.83	19.75	20.05	
3	64QAM	8	7	19.88	19.62	20.15	
3	64QAM	15	0	19.85	19.91	20.03	
3	256QAM	1	0	18.79	18.36	18.23	19
3	256QAM	1	8	18.17	17.93	18.17	
3	256QAM	1	14	18.34	18.18	18.48	
3	256QAM	8	0	17.32	17.02	17.19	19
3	256QAM	8	4	17.58	17.18	17.75	
3	256QAM	8	7	17.55	17.50	17.73	
3	256QAM	15	0	17.46	17.32	17.67	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	23.12	23.03	23.27	24
1.4	QPSK	1	3	23.06	22.96	23.28	
1.4	QPSK	1	5	23.08	23.01	23.36	
1.4	QPSK	3	0	23.08	22.99	23.24	
1.4	QPSK	3	1	23.10	22.91	23.42	
1.4	QPSK	3	3	23.08	23.06	23.26	
1.4	QPSK	6	0	22.05	21.92	22.33	23
1.4	16QAM	1	0	22.43	22.48	22.86	23
1.4	16QAM	1	3	22.95	22.26	22.90	
1.4	16QAM	1	5	22.80	22.51	22.76	
1.4	16QAM	3	0	22.41	22.29	22.51	
1.4	16QAM	3	1	22.27	22.02	22.23	
1.4	16QAM	3	3	22.21	22.01	22.34	



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1.4	16QAM	6	0	21.15	21.10	21.40	22
1.4	64QAM	1	0	21.08	21.22	21.71	22
1.4	64QAM	1	3	21.17	20.67	21.65	
1.4	64QAM	1	5	20.92	21.64	21.79	
1.4	64QAM	3	0	21.35	21.31	21.50	
1.4	64QAM	3	1	21.32	21.17	21.34	
1.4	64QAM	3	3	21.11	21.21	21.38	
1.4	64QAM	6	0	20.13	19.97	20.22	21
1.4	256QAM	1	0	18.08	18.27	18.75	19
1.4	256QAM	1	3	18.25	17.74	18.67	
1.4	256QAM	1	5	17.95	18.70	18.86	
1.4	256QAM	3	0	18.43	18.31	18.52	
1.4	256QAM	3	1	18.33	18.25	18.42	
1.4	256QAM	3	3	18.14	18.23	18.43	
1.4	256QAM	6	0	17.67	17.51	17.79	19



<LTE Band 66\_Ant 2\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	23.40	23.61	23.49	24
20	QPSK	1	49	23.23	23.42	23.41	
20	QPSK	1	99	23.28	23.32	23.37	
20	QPSK	50	0	22.13	22.42	22.35	23
20	QPSK	50	24	22.16	22.31	22.34	
20	QPSK	50	50	22.06	22.30	22.26	
20	QPSK	100	0	22.36	22.47	22.46	23
20	16QAM	1	0	22.64	22.82	22.53	
20	16QAM	1	49	22.60	22.65	22.51	
20	16QAM	1	99	22.47	22.54	22.52	22
20	16QAM	50	0	21.62	21.68	21.57	
20	16QAM	50	24	21.56	21.73	21.47	
20	16QAM	50	50	21.40	21.53	21.47	22
20	16QAM	100	0	21.51	21.82	21.48	
20	64QAM	1	0	21.47	21.74	21.60	
20	64QAM	1	49	21.41	21.53	21.36	22
20	64QAM	1	99	21.32	21.48	21.35	
20	64QAM	50	0	20.46	20.58	20.45	
20	64QAM	50	24	20.46	20.64	20.51	21
20	64QAM	50	50	20.40	20.52	20.33	
20	64QAM	100	0	20.43	20.56	20.50	
20	256QAM	1	0	18.43	18.69	18.40	19
20	256QAM	1	49	18.36	18.50	18.42	
20	256QAM	1	99	18.12	18.21	18.15	
20	256QAM	50	0	18.51	18.50	18.40	19
20	256QAM	50	24	18.49	18.51	18.34	
20	256QAM	50	50	18.35	18.38	18.27	
20	256QAM	100	0	18.45	18.58	18.29	
Channel				132047	132322	132597	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	23.34	23.58	23.40	24
15	QPSK	1	37	23.04	23.26	23.31	
15	QPSK	1	74	23.19	23.21	23.37	
15	QPSK	36	0	21.95	22.29	22.18	23
15	QPSK	36	20	22.08	22.29	22.26	
15	QPSK	36	39	21.97	22.17	22.08	
15	QPSK	75	0	22.29	22.31	22.31	23
15	16QAM	1	0	22.59	22.80	22.51	
15	16QAM	1	37	22.51	22.52	22.39	
15	16QAM	1	74	22.28	22.52	22.49	22
15	16QAM	36	0	21.48	21.53	21.52	
15	16QAM	36	20	21.51	21.60	21.35	
15	16QAM	36	39	21.23	21.48	21.37	22
15	16QAM	75	0	21.38	21.81	21.48	
15	64QAM	1	0	21.27	21.67	21.58	
15	64QAM	1	37	21.21	21.42	21.23	22
15	64QAM	1	74	21.12	21.29	21.30	
15	64QAM	36	0	20.42	20.56	20.32	
15	64QAM	36	20	20.33	20.57	20.40	21
15	64QAM	36	39	20.38	20.43	20.29	
15	64QAM	75	0	20.36	20.39	20.45	
15	256QAM	1	0	18.23	18.62	18.33	19
15	256QAM	1	37	18.35	18.41	18.26	
15	256QAM	1	74	18.12	18.04	18.00	
15	256QAM	36	0	18.42	18.45	18.39	19
15	256QAM	36	20	18.40	18.40	18.26	



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15	256QAM	36	39	18.32	18.36	18.24	
15	256QAM	75	0	18.34	18.50	18.24	
Channel				132022	132322	132622	Tune-up limit(dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	23.23	23.42	23.48	24
10	QPSK	1	25	23.06	23.24	23.39	
10	QPSK	1	49	23.16	23.32	23.23	
10	QPSK	25	0	22.02	22.19	22.20	23
10	QPSK	25	12	22.11	22.21	22.36	
10	QPSK	25	25	22.03	22.27	22.18	
10	QPSK	50	0	22.17	22.38	22.32	
10	16QAM	1	0	22.56	22.64	22.47	23
10	16QAM	1	25	22.59	22.55	22.45	
10	16QAM	1	49	22.31	22.48	22.42	22
10	16QAM	25	0	21.48	21.52	21.41	
10	16QAM	25	12	21.39	21.64	21.30	
10	16QAM	25	25	21.28	21.49	21.35	
10	16QAM	50	0	21.36	21.71	21.48	
10	64QAM	1	0	21.44	21.55	21.53	22
10	64QAM	1	25	21.40	21.47	21.33	
10	64QAM	1	49	21.20	21.28	21.25	
10	64QAM	25	0	20.30	20.40	20.40	21
10	64QAM	25	12	20.36	20.54	20.43	
10	64QAM	25	25	20.27	20.33	20.20	
10	64QAM	50	0	20.40	20.52	20.43	
10	256QAM	1	0	18.39	18.49	18.21	
10	256QAM	1	25	18.35	18.31	18.22	19
10	256QAM	1	49	18.02	18.12	18.04	
10	256QAM	25	0	18.44	18.49	18.28	
10	256QAM	25	12	18.45	18.35	18.17	19
10	256QAM	25	25	18.16	18.36	18.20	
10	256QAM	50	0	18.40	18.57	18.17	
Channel				131997	132322	132647	
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	23.25	23.61	23.33	24
5	QPSK	1	12	23.17	23.29	23.27	
5	QPSK	1	24	23.17	23.31	23.24	
5	QPSK	12	0	22.01	22.15	22.25	23
5	QPSK	12	7	22.10	22.25	22.37	
5	QPSK	12	13	22.06	22.13	22.21	
5	QPSK	25	0	22.33	22.43	22.45	
5	16QAM	1	0	22.49	22.82	22.50	23
5	16QAM	1	12	22.59	22.48	22.42	
5	16QAM	1	24	22.46	22.39	22.32	
5	16QAM	12	0	21.55	21.56	21.43	22
5	16QAM	12	7	21.55	21.67	21.47	
5	16QAM	12	13	21.34	21.36	21.33	
5	16QAM	25	0	21.48	21.64	21.35	
5	64QAM	1	0	21.32	21.73	21.51	
5	64QAM	1	12	21.41	21.52	21.26	22
5	64QAM	1	24	21.13	21.31	21.16	
5	64QAM	12	0	20.26	20.43	20.38	21
5	64QAM	12	7	20.38	20.51	20.40	
5	64QAM	12	13	20.36	20.46	20.16	
5	64QAM	25	0	20.29	20.52	20.50	
5	256QAM	1	0	18.42	18.63	18.26	19
5	256QAM	1	12	18.34	18.35	18.23	
5	256QAM	1	24	17.95	18.20	18.02	
5	256QAM	12	0	18.35	18.45	18.34	19
5	256QAM	12	7	18.29	18.47	18.25	
5	256QAM	12	13	18.17	18.20	18.10	
5	256QAM	25	0	18.33	18.55	18.23	
Channel				131987	132322	132657	Tune-up limit



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Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	23.20	23.51	23.37	24
3	QPSK	1	8	23.05	23.34	23.30	
3	QPSK	1	14	23.12	23.22	23.32	
3	QPSK	8	0	21.96	22.13	22.30	23
3	QPSK	8	4	21.98	22.14	22.39	
3	QPSK	8	7	22.06	22.29	22.10	
3	QPSK	15	0	22.31	22.28	22.27	23
3	16QAM	1	0	22.59	22.64	22.41	
3	16QAM	1	8	22.45	22.46	22.45	
3	16QAM	1	14	22.32	22.49	22.35	22
3	16QAM	8	0	21.60	21.49	21.55	
3	16QAM	8	4	21.48	21.70	21.30	
3	16QAM	8	7	21.26	21.34	21.34	22
3	16QAM	15	0	21.42	21.66	21.46	
3	64QAM	1	0	21.39	21.69	21.53	
3	64QAM	1	8	21.37	21.52	21.32	22
3	64QAM	1	14	21.24	21.43	21.16	
3	64QAM	8	0	20.43	20.55	20.32	
3	64QAM	8	4	20.41	20.60	20.37	21
3	64QAM	8	7	20.38	20.51	20.29	
3	64QAM	15	0	20.40	20.55	20.43	
3	256QAM	1	0	18.32	18.60	18.29	19
3	256QAM	1	8	18.29	18.37	18.34	
3	256QAM	1	14	17.92	18.06	18.05	
3	256QAM	8	0	18.33	18.49	18.34	19
3	256QAM	8	4	18.34	18.46	18.15	
3	256QAM	8	7	18.33	18.37	18.09	
3	256QAM	15	0	18.37	18.39	18.17	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	23.34	23.53	23.45	24
1.4	QPSK	1	3	23.05	23.33	23.38	
1.4	QPSK	1	5	23.27	23.22	23.21	
1.4	QPSK	3	0	22.07	22.29	22.27	23
1.4	QPSK	3	1	22.07	22.19	22.25	
1.4	QPSK	3	3	22.06	22.12	22.12	
1.4	QPSK	6	0	22.18	22.42	22.39	23
1.4	16QAM	1	0	22.58	22.73	22.41	
1.4	16QAM	1	3	22.54	22.59	22.40	
1.4	16QAM	1	5	22.39	22.43	22.51	23
1.4	16QAM	3	0	21.49	21.68	21.42	
1.4	16QAM	3	1	21.47	21.54	21.29	
1.4	16QAM	3	3	21.21	21.40	21.31	22
1.4	16QAM	6	0	21.33	21.80	21.42	
1.4	64QAM	1	0	21.44	21.67	21.44	
1.4	64QAM	1	3	21.35	21.53	21.26	22
1.4	64QAM	1	5	21.26	21.45	21.19	
1.4	64QAM	3	0	20.41	20.50	20.45	
1.4	64QAM	3	1	20.39	20.59	20.38	21
1.4	64QAM	3	3	20.28	20.51	20.25	
1.4	64QAM	6	0	20.31	20.52	20.38	
1.4	256QAM	1	0	18.27	18.63	18.21	19
1.4	256QAM	1	3	18.32	18.32	18.35	
1.4	256QAM	1	5	17.96	18.09	18.06	
1.4	256QAM	3	0	18.48	18.37	18.22	19
1.4	256QAM	3	1	18.44	18.46	18.17	
1.4	256QAM	3	3	18.16	18.28	18.20	
1.4	256QAM	6	0	18.43	18.57	18.27	19



<LTE Band 66\_Ant 0\_Sensor ON\_NB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	19.85	19.88	20.24	20.5
20	QPSK	1	49	19.83	19.84	19.99	
20	QPSK	1	99	19.49	19.69	19.97	
20	QPSK	50	0	18.98	18.95	19.20	19.5
20	QPSK	50	24	18.97	18.82	19.01	
20	QPSK	50	50	18.83	18.93	19.17	
20	QPSK	100	0	18.91	18.89	19.12	19.5
20	16QAM	1	0	19.43	19.22	19.39	
20	16QAM	1	49	19.09	18.81	19.32	
20	16QAM	1	99	19.00	18.80	19.31	18.5
20	16QAM	50	0	17.96	17.74	18.05	
20	16QAM	50	24	17.99	17.92	18.10	
20	16QAM	50	50	17.92	17.79	18.02	18.5
20	16QAM	100	0	17.87	17.88	18.06	
20	64QAM	1	0	18.10	17.98	17.84	
20	64QAM	1	49	18.30	18.22	18.35	18.5
20	64QAM	1	99	18.16	18.15	18.20	
20	64QAM	50	0	16.92	16.76	17.00	
20	64QAM	50	24	16.92	16.89	17.14	17.5
20	64QAM	50	50	16.75	16.93	17.13	
20	64QAM	100	0	16.92	16.90	17.07	
20	256QAM	1	0	13.50	13.66	13.57	15.5
20	256QAM	1	49	13.58	13.71	13.51	
20	256QAM	1	99	13.62	13.87	13.56	
20	256QAM	50	0	13.52	13.71	13.67	15.5
20	256QAM	50	24	13.51	13.86	13.52	
20	256QAM	50	50	13.59	13.61	13.50	
20	256QAM	100	0	13.59	13.67	13.58	
Channel				132047	132322	132597	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	19.75	19.69	19.88	20.5
15	QPSK	1	37	19.65	19.72	19.85	
15	QPSK	1	74	19.37	19.61	19.85	
15	QPSK	36	0	18.79	18.70	18.92	19.5
15	QPSK	36	20	18.87	18.68	18.81	
15	QPSK	36	39	18.65	18.90	19.01	
15	QPSK	75	0	18.91	18.82	18.95	19.5
15	16QAM	1	0	19.26	19.14	19.31	
15	16QAM	1	37	19.04	18.79	19.12	
15	16QAM	1	74	18.97	18.65	19.30	18.5
15	16QAM	36	0	17.95	17.54	17.98	
15	16QAM	36	20	17.93	17.86	17.95	
15	16QAM	36	39	17.86	17.61	17.98	18.5
15	16QAM	75	0	17.86	17.71	18.05	
15	64QAM	1	0	17.93	17.83	17.64	
15	64QAM	1	37	18.10	18.13	18.26	18.5
15	64QAM	1	74	18.08	18.05	18.03	
15	64QAM	36	0	16.85	16.59	16.89	
15	64QAM	36	20	16.74	16.89	17.03	17.5
15	64QAM	36	39	16.59	16.91	17.04	
15	64QAM	75	0	16.84	16.83	16.87	
15	256QAM	1	0	13.50	13.61	13.53	15.5
15	256QAM	1	37	13.54	13.57	13.54	
15	256QAM	1	74	13.64	13.67	13.59	
15	256QAM	36	0	13.69	13.64	13.51	15.5
15	256QAM	36	20	13.63	13.67	13.59	



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15	256QAM	36	39	13.51	13.67	13.58	
15	256QAM	75	0	13.57	13.59	13.64	
Channel				132022	132322	132622	Tune-up limit(dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	19.67	19.79	19.85	20.5
10	QPSK	1	25	19.70	19.84	19.95	
10	QPSK	1	49	19.45	19.68	19.92	
10	QPSK	25	0	18.80	18.69	18.96	19.5
10	QPSK	25	12	18.85	18.75	18.85	
10	QPSK	25	25	18.78	18.84	19.02	
10	QPSK	50	0	18.90	18.69	19.06	19.5
10	16QAM	1	0	19.36	19.16	19.29	
10	16QAM	1	25	18.95	18.81	19.20	
10	16QAM	1	49	18.86	18.69	19.26	18.5
10	16QAM	25	0	17.81	17.69	17.87	
10	16QAM	25	12	17.84	17.90	17.99	
10	16QAM	25	25	17.74	17.66	17.88	18.5
10	16QAM	50	0	17.78	17.76	17.87	
10	64QAM	1	0	17.94	17.97	17.72	
10	64QAM	1	25	18.30	18.11	18.34	18.5
10	64QAM	1	49	18.16	18.00	18.02	
10	64QAM	25	0	16.75	16.71	16.83	
10	64QAM	25	12	16.85	16.73	17.05	17.5
10	64QAM	25	25	16.63	16.78	16.94	
10	64QAM	50	0	16.72	16.85	16.93	
10	256QAM	1	0	13.62	13.59	13.69	15.5
10	256QAM	1	25	13.57	13.51	13.63	
10	256QAM	1	49	13.61	13.69	13.68	
10	256QAM	25	0	13.63	13.58	13.61	15.5
10	256QAM	25	12	13.58	13.79	13.52	
10	256QAM	25	25	13.59	13.52	13.62	
10	256QAM	50	0	13.58	13.52	13.56	
Channel				131997	132322	132647	
Frequency (MHz)				1712.5	1745	1777.5	Tune-up limit (dBm)
5	QPSK	1	0	19.71	19.77	19.99	20.5
5	QPSK	1	12	19.71	19.78	19.96	
5	QPSK	1	24	19.33	19.61	19.96	
5	QPSK	12	0	18.87	18.74	18.84	19.5
5	QPSK	12	7	18.91	18.74	18.89	
5	QPSK	12	13	18.65	18.84	19.12	
5	QPSK	25	0	18.78	18.81	18.98	19.5
5	16QAM	1	0	19.28	19.22	19.32	
5	16QAM	1	12	18.93	18.71	19.30	
5	16QAM	1	24	18.92	18.71	19.27	18.5
5	16QAM	12	0	17.87	17.73	17.86	
5	16QAM	12	7	17.80	17.91	17.92	
5	16QAM	12	13	17.81	17.77	17.86	18.5
5	16QAM	25	0	17.69	17.68	17.97	
5	64QAM	1	0	17.99	17.92	17.75	
5	64QAM	1	12	18.23	18.07	18.22	18.5
5	64QAM	1	24	18.13	18.00	18.17	
5	64QAM	12	0	16.89	16.58	16.81	
5	64QAM	12	7	16.92	16.71	16.96	17.5
5	64QAM	12	13	16.55	16.74	16.97	
5	64QAM	25	0	16.91	16.80	16.96	
5	256QAM	1	0	13.57	13.66	13.53	15.5
5	256QAM	1	12	13.53	13.53	13.60	
5	256QAM	1	24	13.54	13.81	13.64	
5	256QAM	12	0	13.69	13.52	13.67	15.5
5	256QAM	12	7	13.53	13.83	13.52	
5	256QAM	12	13	13.59	13.54	13.59	
5	256QAM	25	0	13.67	13.51	13.69	
Channel				131987	132322	132657	
							Tune-up limit





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Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	19.61	19.73	19.86	20.5
3	QPSK	1	8	19.64	19.64	19.91	
3	QPSK	1	14	19.35	19.64	19.94	
3	QPSK	8	0	18.82	18.85	18.82	19.5
3	QPSK	8	4	18.79	18.69	19.01	
3	QPSK	8	7	18.79	18.86	19.16	
3	QPSK	15	0	18.83	18.89	18.92	19.5
3	16QAM	1	0	19.33	19.08	19.21	
3	16QAM	1	8	19.08	18.80	19.16	
3	16QAM	1	14	19.00	18.60	19.22	18.5
3	16QAM	8	0	17.79	17.72	17.85	
3	16QAM	8	4	17.82	17.76	18.08	
3	16QAM	8	7	17.91	17.77	18.01	18.5
3	16QAM	15	0	17.87	17.80	18.00	
3	64QAM	1	0	17.93	17.94	17.76	
3	64QAM	1	8	18.26	18.03	18.33	18.5
3	64QAM	1	14	18.14	18.11	18.06	
3	64QAM	8	0	16.89	16.64	16.98	
3	64QAM	8	4	16.78	16.75	17.12	17.5
3	64QAM	8	7	16.69	16.81	17.11	
3	64QAM	15	0	16.85	16.72	16.91	
3	256QAM	1	0	13.53	13.63	13.50	15.5
3	256QAM	1	8	13.50	13.58	13.51	
3	256QAM	1	14	13.62	13.76	13.59	
3	256QAM	8	0	13.56	13.60	13.53	15.5
3	256QAM	8	4	13.59	13.80	13.54	
3	256QAM	8	7	13.67	13.55	13.66	
3	256QAM	15	0	13.54	13.62	13.66	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	19.63	19.68	19.83	20.5
1.4	QPSK	1	3	19.77	19.83	19.81	
1.4	QPSK	1	5	19.31	19.61	19.95	
1.4	QPSK	3	0	18.80	18.73	18.94	19.5
1.4	QPSK	3	1	18.79	18.65	18.99	
1.4	QPSK	3	3	18.81	18.89	19.05	
1.4	QPSK	6	0	18.89	18.74	18.95	19.5
1.4	16QAM	1	0	19.28	19.19	19.26	
1.4	16QAM	1	3	18.89	18.77	19.30	
1.4	16QAM	1	5	18.88	18.66	19.24	19.5
1.4	16QAM	3	0	17.90	17.68	17.86	
1.4	16QAM	3	1	17.82	17.83	17.97	
1.4	16QAM	3	3	17.82	17.70	17.99	18.5
1.4	16QAM	6	0	17.70	17.86	17.95	
1.4	64QAM	1	0	17.90	17.86	17.78	
1.4	64QAM	1	3	18.12	18.18	18.33	18.5
1.4	64QAM	1	5	18.05	18.00	18.14	
1.4	64QAM	3	0	16.72	16.57	16.91	
1.4	64QAM	3	1	16.78	16.78	17.13	17.5
1.4	64QAM	3	3	16.74	16.85	16.99	
1.4	64QAM	6	0	16.72	16.77	16.88	
1.4	256QAM	1	0	13.51	13.63	13.51	15.5
1.4	256QAM	1	3	13.54	13.66	13.50	
1.4	256QAM	1	5	13.59	13.70	13.55	
1.4	256QAM	3	0	13.53	13.71	13.53	15.5
1.4	256QAM	3	1	13.53	13.69	13.59	
1.4	256QAM	3	3	13.59	13.54	13.57	
1.4	256QAM	6	0	13.64	13.68	13.56	15.5



<LTE Band 66\_Ant 0\_Sensor ON\_NB>

Channel	BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					132072	132322	132572	
Frequency (MHz)					1720	1745	1770	
20	QPSK	1	0		17.77	17.94	17.78	18
20	QPSK	1	49		17.52	17.74	17.62	
20	QPSK	1	99		17.72	17.58	17.65	
20	QPSK	50	0		17.53	17.69	17.48	18
20	QPSK	50	24		17.50	17.65	17.53	
20	QPSK	50	50		17.38	17.64	17.47	
20	QPSK	100	0		17.66	17.77	17.56	18
20	16QAM	1	0		17.69	17.78	17.45	
20	16QAM	1	49		17.49	17.58	17.66	
20	16QAM	1	99		17.49	17.54	17.47	18
20	16QAM	50	0		17.50	17.52	17.43	
20	16QAM	50	24		17.43	17.49	17.59	
20	16QAM	50	50		17.26	17.35	17.39	18
20	16QAM	100	0		17.45	17.62	17.37	
20	64QAM	1	0		17.53	17.65	17.71	
20	64QAM	1	49		17.50	17.59	17.40	18
20	64QAM	1	99		17.63	17.55	17.56	
20	64QAM	50	0		17.55	17.51	17.55	
20	64QAM	50	24		17.56	17.57	17.49	18
20	64QAM	50	50		17.49	17.61	17.38	
20	64QAM	100	0		17.72	17.71	17.50	
20	256QAM	1	0		17.63	17.74	17.60	18
20	256QAM	1	49		17.44	17.62	17.36	
20	256QAM	1	99		17.38	17.57	17.51	
20	256QAM	50	0		17.38	17.56	17.57	18
20	256QAM	50	24		17.64	17.77	17.66	
20	256QAM	50	50		17.48	17.64	17.39	
20	256QAM	100	0		17.42	17.47	17.47	
Channel					132047	132322	132597	
Frequency (MHz)					1717.5	1745	1772.5	
15	QPSK	1	0		17.60	17.76	17.69	18
15	QPSK	1	37		17.47	17.72	17.53	
15	QPSK	1	74		17.64	17.58	17.63	
15	QPSK	36	0		17.35	17.57	17.38	18
15	QPSK	36	20		17.45	17.59	17.46	
15	QPSK	36	39		17.38	17.54	17.38	
15	QPSK	75	0		17.62	17.59	17.56	18
15	16QAM	1	0		17.51	17.59	17.37	
15	16QAM	1	37		17.42	17.56	17.53	
15	16QAM	1	74		17.30	17.44	17.33	18
15	16QAM	36	0		17.40	17.37	17.29	
15	16QAM	36	20		17.25	17.42	17.42	
15	16QAM	36	39		17.26	17.27	17.37	18
15	16QAM	75	0		17.38	17.62	17.36	
15	64QAM	1	0		17.40	17.49	17.68	
15	64QAM	1	37		17.37	17.55	17.21	18
15	64QAM	1	74		17.43	17.43	17.47	
15	64QAM	36	0		17.44	17.38	17.51	
15	64QAM	36	20		17.55	17.38	17.34	18
15	64QAM	36	39		17.34	17.41	17.19	
15	64QAM	75	0		17.70	17.60	17.32	
15	256QAM	1	0		17.46	17.56	17.49	18
15	256QAM	1	37		17.29	17.62	17.34	
15	256QAM	1	74		17.18	17.42	17.33	
15	256QAM	36	0		17.18	17.53	17.41	18
15	256QAM	36	20		17.52	17.68	17.52	



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15	256QAM	36	39	17.34	17.49	17.36	
15	256QAM	75	0	17.30	17.44	17.39	
Channel				132022	132322	132622	Tune-up limit(dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	17.68	17.75	17.68	18
10	QPSK	1	25	17.48	17.63	17.54	
10	QPSK	1	49	17.53	17.41	17.48	
10	QPSK	25	0	17.47	17.54	17.39	18
10	QPSK	25	12	17.35	17.53	17.50	
10	QPSK	25	25	17.29	17.62	17.37	
10	QPSK	50	0	17.60	17.61	17.49	18
10	16QAM	1	0	17.58	17.66	17.39	
10	16QAM	1	25	17.39	17.43	17.59	
10	16QAM	1	49	17.39	17.53	17.45	18
10	16QAM	25	0	17.43	17.37	17.31	
10	16QAM	25	12	17.30	17.42	17.53	
10	16QAM	25	25	17.23	17.28	17.38	18
10	16QAM	50	0	17.31	17.50	17.30	
10	64QAM	1	0	17.44	17.48	17.71	
10	64QAM	1	25	17.31	17.50	17.33	18
10	64QAM	1	49	17.58	17.48	17.38	
10	64QAM	25	0	17.50	17.39	17.36	
10	64QAM	25	12	17.43	17.41	17.48	18
10	64QAM	25	25	17.45	17.57	17.35	
10	64QAM	50	0	17.69	17.58	17.30	
10	256QAM	1	0	17.61	17.57	17.50	18
10	256QAM	1	25	17.24	17.48	17.35	
10	256QAM	1	49	17.28	17.50	17.36	
10	256QAM	25	0	17.26	17.52	17.44	18
10	256QAM	25	12	17.57	17.62	17.62	
10	256QAM	25	25	17.48	17.50	17.20	
10	256QAM	50	0	17.22	17.27	17.36	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	17.71	17.83	17.69	18
5	QPSK	1	12	17.48	17.54	17.47	
5	QPSK	1	24	17.59	17.50	17.55	
5	QPSK	12	0	17.37	17.55	17.39	18
5	QPSK	12	7	17.32	17.52	17.53	
5	QPSK	12	13	17.27	17.56	17.40	
5	QPSK	25	0	17.61	17.62	17.49	18
5	16QAM	1	0	17.64	17.65	17.44	
5	16QAM	1	12	17.43	17.39	17.46	
5	16QAM	1	24	17.32	17.53	17.38	18
5	16QAM	12	0	17.45	17.48	17.24	
5	16QAM	12	7	17.30	17.47	17.52	
5	16QAM	12	13	17.16	17.21	17.34	18
5	16QAM	25	0	17.27	17.56	17.23	
5	64QAM	1	0	17.45	17.57	17.55	
5	64QAM	1	12	17.39	17.54	17.40	18
5	64QAM	1	24	17.49	17.40	17.41	
5	64QAM	12	0	17.44	17.41	17.47	
5	64QAM	12	7	17.47	17.42	17.49	18
5	64QAM	12	13	17.38	17.58	17.35	
5	64QAM	25	0	17.61	17.61	17.35	
5	256QAM	1	0	17.63	17.54	17.48	18
5	256QAM	1	12	17.34	17.53	17.28	
5	256QAM	1	24	17.37	17.50	17.49	
5	256QAM	12	0	17.36	17.40	17.40	18
5	256QAM	12	7	17.60	17.59	17.53	
5	256QAM	12	13	17.33	17.61	17.29	
5	256QAM	25	0	17.27	17.32	17.27	
Channel				131987	132322	132657	Tune-up limit



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Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	17.58	17.92	17.75	18
3	QPSK	1	8	17.37	17.72	17.60	
3	QPSK	1	14	17.58	17.47	17.56	
3	QPSK	8	0	17.47	17.67	17.39	18
3	QPSK	8	4	17.35	17.57	17.40	
3	QPSK	8	7	17.28	17.45	17.44	
3	QPSK	15	0	17.55	17.60	17.36	18
3	16QAM	1	0	17.64	17.66	17.30	
3	16QAM	1	8	17.30	17.43	17.53	
3	16QAM	1	14	17.32	17.38	17.44	18
3	16QAM	8	0	17.36	17.36	17.24	
3	16QAM	8	4	17.24	17.41	17.55	
3	16QAM	8	7	17.08	17.33	17.23	18
3	16QAM	15	0	17.39	17.44	17.21	
3	64QAM	1	0	17.34	17.59	17.51	
3	64QAM	1	8	17.38	17.54	17.28	18
3	64QAM	1	14	17.49	17.45	17.43	
3	64QAM	8	0	17.37	17.49	17.36	
3	64QAM	8	4	17.56	17.42	17.37	18
3	64QAM	8	7	17.36	17.56	17.34	
3	64QAM	15	0	17.58	17.58	17.45	
3	256QAM	1	0	17.54	17.64	17.50	18
3	256QAM	1	8	17.24	17.52	17.32	
3	256QAM	1	14	17.26	17.42	17.42	
3	256QAM	8	0	17.32	17.47	17.52	18
3	256QAM	8	4	17.46	17.59	17.64	
3	256QAM	8	7	17.29	17.45	17.23	
3	256QAM	15	0	17.32	17.28	17.27	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	17.75	17.77	17.68	18
1.4	QPSK	1	3	17.49	17.59	17.61	
1.4	QPSK	1	5	17.71	17.52	17.52	
1.4	QPSK	3	0	17.39	17.66	17.33	18
1.4	QPSK	3	1	17.34	17.59	17.50	
1.4	QPSK	3	3	17.21	17.46	17.44	
1.4	QPSK	6	0	17.57	17.63	17.53	18
1.4	16QAM	1	0	17.68	17.67	17.30	18
1.4	16QAM	1	3	17.30	17.53	17.63	
1.4	16QAM	1	5	17.47	17.45	17.36	
1.4	16QAM	3	0	17.39	17.45	17.34	18
1.4	16QAM	3	1	17.39	17.40	17.48	
1.4	16QAM	3	3	17.20	17.35	17.28	
1.4	16QAM	6	0	17.28	17.47	17.21	18
1.4	64QAM	1	0	17.41	17.54	17.65	18
1.4	64QAM	1	3	17.37	17.58	17.31	
1.4	64QAM	1	5	17.47	17.39	17.39	
1.4	64QAM	3	0	17.42	17.39	17.37	18
1.4	64QAM	3	1	17.40	17.56	17.47	
1.4	64QAM	3	3	17.47	17.42	17.38	
1.4	64QAM	6	0	17.67	17.51	17.31	18
1.4	256QAM	1	0	17.60	17.60	17.45	18
1.4	256QAM	1	3	17.27	17.55	17.29	
1.4	256QAM	1	5	17.19	17.45	17.41	
1.4	256QAM	3	0	17.26	17.43	17.39	18
1.4	256QAM	3	1	17.48	17.61	17.55	
1.4	256QAM	3	3	17.46	17.63	17.34	
1.4	256QAM	6	0	17.40	17.39	17.43	18



<LTE Band 66\_Ant 0\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	15.88	15.90	15.98	16
20	QPSK	1	49	15.86	15.87	15.90	
20	QPSK	1	99	15.97	15.88	15.83	
20	QPSK	50	0	14.91	14.86	14.99	15
20	QPSK	50	24	14.98	14.95	14.84	
20	QPSK	50	50	14.71	14.88	14.86	
20	QPSK	100	0	14.74	14.81	14.99	
20	16QAM	1	0	14.82	14.86	14.99	15
20	16QAM	1	49	14.83	14.87	14.79	
20	16QAM	1	99	14.73	14.54	14.73	
20	16QAM	50	0	13.90	13.86	13.96	14
20	16QAM	50	24	13.75	13.88	13.81	
20	16QAM	50	50	13.89	13.72	13.75	
20	16QAM	100	0	13.78	13.88	13.97	
20	64QAM	1	0	13.79	13.85	13.79	14
20	64QAM	1	49	13.87	13.83	13.77	
20	64QAM	1	99	13.85	14.02	13.82	
20	64QAM	50	0	12.86	12.88	12.92	13
20	64QAM	50	24	12.76	12.82	12.97	
20	64QAM	50	50	12.62	12.89	12.76	
20	64QAM	100	0	12.85	12.93	12.96	
20	256QAM	1	0	10.72	10.91	10.95	11
20	256QAM	1	49	10.94	10.88	10.83	
20	256QAM	1	99	10.94	10.87	10.87	
20	256QAM	50	0	10.86	10.96	10.87	11
20	256QAM	50	24	10.75	11.02	10.85	
20	256QAM	50	50	10.86	10.92	10.88	
20	256QAM	100	0	10.70	10.96	10.75	
Channel				132047	132322	132597	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	15.86	15.75	15.92	16
15	QPSK	1	37	15.85	15.68	15.90	
15	QPSK	1	74	15.84	15.74	15.79	
15	QPSK	36	0	14.90	14.74	14.76	15
15	QPSK	36	20	14.87	14.93	14.69	
15	QPSK	36	39	14.54	14.78	14.83	
15	QPSK	75	0	14.71	14.62	14.91	
15	16QAM	1	0	14.69	14.71	14.92	15
15	16QAM	1	37	14.73	14.84	14.76	
15	16QAM	1	74	14.61	14.53	14.72	
15	16QAM	36	0	13.75	13.67	13.77	14
15	16QAM	36	20	13.65	13.74	13.68	
15	16QAM	36	39	13.70	13.56	13.68	
15	16QAM	75	0	13.68	13.84	13.79	
15	64QAM	1	0	13.78	13.79	13.76	14
15	64QAM	1	37	13.82	13.69	13.60	
15	64QAM	1	74	13.81	14.01	13.69	
15	64QAM	36	0	12.69	12.78	12.79	13
15	64QAM	36	20	12.58	12.77	12.97	
15	64QAM	36	39	12.60	12.75	12.56	
15	64QAM	75	0	12.85	12.78	12.92	
15	256QAM	1	0	10.58	10.72	10.86	11
15	256QAM	1	37	10.84	10.74	10.69	
15	256QAM	1	74	10.76	10.76	10.71	
15	256QAM	36	0	10.81	10.81	10.67	11
15	256QAM	36	20	10.60	10.88	10.66	



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15	256QAM	36	39	10.67	10.86	10.83	
15	256QAM	75	0	10.60	10.87	10.72	
Channel				132022	132322	132622	Tune-up limit(dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	15.72	15.85	15.82	16
10	QPSK	1	25	15.76	15.74	15.83	
10	QPSK	1	49	15.87	15.87	15.71	
10	QPSK	25	0	14.82	14.86	14.89	15
10	QPSK	25	12	14.80	14.78	14.64	
10	QPSK	25	25	14.64	14.86	14.68	
10	QPSK	50	0	14.62	14.71	14.94	15
10	16QAM	1	0	14.77	14.71	14.93	
10	16QAM	1	25	14.77	14.83	14.63	
10	16QAM	1	49	14.60	14.35	14.65	14
10	16QAM	25	0	13.73	13.73	13.78	
10	16QAM	25	12	13.60	13.72	13.61	
10	16QAM	25	25	13.87	13.56	13.67	14
10	16QAM	50	0	13.71	13.71	13.93	
10	64QAM	1	0	13.60	13.67	13.63	
10	64QAM	1	25	13.71	13.76	13.77	14
10	64QAM	1	49	13.74	13.90	13.69	
10	64QAM	25	0	12.82	12.84	12.84	
10	64QAM	25	12	12.62	12.70	12.82	13
10	64QAM	25	25	12.59	12.72	12.65	
10	64QAM	50	0	12.66	12.73	12.77	
10	256QAM	1	0	10.65	10.84	10.91	11
10	256QAM	1	25	10.81	10.82	10.68	
10	256QAM	1	49	10.94	10.84	10.81	
10	256QAM	25	0	10.86	10.76	10.78	11
10	256QAM	25	12	10.56	10.99	10.76	
10	256QAM	25	25	10.66	10.92	10.87	
10	256QAM	50	0	10.57	10.87	10.56	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	15.72	15.86	15.96	16
5	QPSK	1	12	15.81	15.80	15.84	
5	QPSK	1	24	15.81	15.87	15.65	
5	QPSK	12	0	14.91	14.78	14.77	15
5	QPSK	12	7	14.83	14.90	14.75	
5	QPSK	12	13	14.69	14.68	14.74	
5	QPSK	25	0	14.73	14.68	14.82	15
5	16QAM	1	0	14.67	14.70	14.81	
5	16QAM	1	12	14.75	14.87	14.69	
5	16QAM	1	24	14.59	14.46	14.71	14
5	16QAM	12	0	13.83	13.82	13.80	
5	16QAM	12	7	13.70	13.72	13.69	
5	16QAM	12	13	13.76	13.65	13.67	14
5	16QAM	25	0	13.75	13.74	13.92	
5	64QAM	1	0	13.79	13.77	13.61	
5	64QAM	1	12	13.84	13.74	13.74	14
5	64QAM	1	24	13.82	13.98	13.75	
5	64QAM	12	0	12.70	12.78	12.84	
5	64QAM	12	7	12.75	12.65	12.92	13
5	64QAM	12	13	12.48	12.74	12.56	
5	64QAM	25	0	12.71	12.73	12.84	
5	256QAM	1	0	10.64	10.91	10.75	11
5	256QAM	1	12	10.94	10.68	10.82	
5	256QAM	1	24	10.83	10.77	10.83	
5	256QAM	12	0	10.86	10.76	10.73	11
5	256QAM	12	7	10.74	10.90	10.66	
5	256QAM	12	13	10.84	10.80	10.81	
5	256QAM	25	0	10.58	10.85	10.60	
Channel				131987	132322	132657	Tune-up limit



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Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	15.74	15.85	15.96	16
3	QPSK	1	8	15.79	15.74	15.88	
3	QPSK	1	14	15.97	15.87	15.67	
3	QPSK	8	0	14.91	14.79	14.94	15
3	QPSK	8	4	14.96	14.78	14.83	
3	QPSK	8	7	14.68	14.79	14.80	
3	QPSK	15	0	14.72	14.70	14.97	15
3	16QAM	1	0	14.71	14.67	14.85	
3	16QAM	1	8	14.83	14.86	14.77	
3	16QAM	1	14	14.69	14.44	14.68	14
3	16QAM	8	0	13.70	13.69	13.83	
3	16QAM	8	4	13.57	13.77	13.68	
3	16QAM	8	7	13.89	13.64	13.65	14
3	16QAM	15	0	13.70	13.84	13.88	
3	64QAM	1	0	13.61	13.75	13.76	
3	64QAM	1	8	13.83	13.78	13.60	14
3	64QAM	1	14	13.71	13.85	13.80	
3	64QAM	8	0	12.82	12.72	12.79	
3	64QAM	8	4	12.62	12.71	12.77	13
3	64QAM	8	7	12.54	12.86	12.70	
3	64QAM	15	0	12.82	12.92	12.96	
3	256QAM	1	0	10.60	10.90	10.89	11
3	256QAM	1	8	10.85	10.85	10.77	
3	256QAM	1	14	10.77	10.84	10.76	
3	256QAM	8	0	10.78	10.76	10.68	11
3	256QAM	8	4	10.62	10.92	10.75	
3	256QAM	8	7	10.82	10.92	10.73	
3	256QAM	15	0	10.61	10.86	10.69	Tune-up limit (dBm)
Channel				131979	132322	132665	
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	15.73	15.86	15.80	16
1.4	QPSK	1	3	15.77	15.73	15.89	
1.4	QPSK	1	5	15.83	15.71	15.80	
1.4	QPSK	3	0	14.83	14.79	14.83	15
1.4	QPSK	3	1	14.97	14.82	14.82	
1.4	QPSK	3	3	14.59	14.71	14.82	
1.4	QPSK	6	0	14.69	14.63	14.97	15
1.4	16QAM	1	0	14.71	14.71	14.83	
1.4	16QAM	1	3	14.70	14.74	14.77	
1.4	16QAM	1	5	14.67	14.52	14.70	15
1.4	16QAM	3	0	13.88	13.79	13.84	
1.4	16QAM	3	1	13.56	13.79	13.75	
1.4	16QAM	3	3	13.74	13.61	13.61	14
1.4	16QAM	6	0	13.70	13.70	13.97	
1.4	64QAM	1	0	13.65	13.68	13.74	
1.4	64QAM	1	3	13.76	13.70	13.60	14
1.4	64QAM	1	5	13.83	13.90	13.75	
1.4	64QAM	3	0	12.80	12.87	12.84	
1.4	64QAM	3	1	12.59	12.73	12.80	13
1.4	64QAM	3	3	12.42	12.79	12.68	
1.4	64QAM	6	0	12.66	12.76	12.86	
1.4	256QAM	1	0	10.63	10.76	10.75	11
1.4	256QAM	1	3	10.77	10.80	10.83	
1.4	256QAM	1	5	10.75	10.71	10.80	
1.4	256QAM	3	0	10.75	10.86	10.81	11
1.4	256QAM	3	1	10.57	10.91	10.76	
1.4	256QAM	3	3	10.72	10.83	10.84	
1.4	256QAM	6	0	10.65	10.96	10.67	11



<LTE Band 66\_Ant 2\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				132072	132322	132572	16
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	15.79	15.96	15.76	16
20	QPSK	1	49	15.69	15.80	15.76	
20	QPSK	1	99	15.79	15.76	15.65	
20	QPSK	50	0	15.78	15.82	15.64	16
20	QPSK	50	24	15.48	15.80	15.66	
20	QPSK	50	50	15.49	15.66	15.63	
20	QPSK	100	0	15.69	15.79	15.64	16
20	16QAM	1	0	15.81	15.71	15.63	
20	16QAM	1	49	15.51	15.79	15.64	
20	16QAM	1	99	15.48	15.55	15.61	16
20	16QAM	50	0	15.65	15.65	15.42	
20	16QAM	50	24	15.53	15.78	15.55	
20	16QAM	50	50	15.40	15.59	15.54	16
20	16QAM	100	0	15.55	15.66	15.47	
20	64QAM	1	0	15.70	15.79	15.89	
20	64QAM	1	49	15.62	15.80	15.54	16
20	64QAM	1	99	15.63	15.70	15.61	
20	64QAM	50	0	15.64	15.56	15.51	
20	64QAM	50	24	15.73	15.62	15.58	16
20	64QAM	50	50	15.54	15.53	15.49	
20	64QAM	100	0	15.69	15.68	15.64	
20	256QAM	1	0	15.59	15.63	15.75	16
20	256QAM	1	49	15.56	15.66	15.60	
20	256QAM	1	99	15.46	15.62	15.69	
20	256QAM	50	0	15.54	15.84	15.52	16
20	256QAM	50	24	15.71	15.72	15.80	
20	256QAM	50	50	15.57	15.70	15.59	
20	256QAM	100	0	15.63	15.65	15.58	16
Channel				132047	132322	132597	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	15.71	15.94	15.65	16
15	QPSK	1	37	15.57	15.66	15.65	
15	QPSK	1	74	15.65	15.74	15.45	
15	QPSK	36	0	15.70	15.75	15.64	16
15	QPSK	36	20	15.40	15.69	15.59	
15	QPSK	36	39	15.49	15.54	15.54	
15	QPSK	75	0	15.63	15.68	15.53	16
15	16QAM	1	0	15.64	15.71	15.63	
15	16QAM	1	37	15.31	15.63	15.51	
15	16QAM	1	74	15.33	15.38	15.49	16
15	16QAM	36	0	15.49	15.62	15.33	
15	16QAM	36	20	15.44	15.71	15.47	
15	16QAM	36	39	15.35	15.58	15.47	16
15	16QAM	75	0	15.50	15.56	15.34	
15	64QAM	1	0	15.65	15.73	15.80	
15	64QAM	1	37	15.55	15.69	15.34	16
15	64QAM	1	74	15.57	15.62	15.48	
15	64QAM	36	0	15.60	15.50	15.49	
15	64QAM	36	20	15.73	15.57	15.41	16
15	64QAM	36	39	15.54	15.48	15.40	
15	64QAM	75	0	15.59	15.68	15.48	
15	256QAM	1	0	15.45	15.62	15.68	16
15	256QAM	1	37	15.40	15.48	15.53	
15	256QAM	1	74	15.39	15.57	15.57	
15	256QAM	36	0	15.47	15.72	15.52	16
15	256QAM	36	20	15.56	15.60	15.69	





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15	256QAM	36	39	15.46	15.52	15.59	
15	256QAM	75	0	15.43	15.61	15.52	
Channel				132022	132322	132622	Tune-up limit(dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	15.75	15.90	15.60	16
10	QPSK	1	25	15.65	15.64	15.74	
10	QPSK	1	49	15.73	15.71	15.51	16
10	QPSK	25	0	15.72	15.75	15.52	
10	QPSK	25	12	15.47	15.60	15.60	16
10	QPSK	25	25	15.33	15.61	15.43	
10	QPSK	50	0	15.49	15.69	15.55	16
10	16QAM	1	0	15.73	15.54	15.62	
10	16QAM	1	25	15.49	15.63	15.47	16
10	16QAM	1	49	15.33	15.55	15.56	
10	16QAM	25	0	15.50	15.45	15.41	16
10	16QAM	25	12	15.52	15.67	15.41	
10	16QAM	25	25	15.31	15.58	15.39	16
10	16QAM	50	0	15.55	15.49	15.44	
10	64QAM	1	0	15.70	15.79	15.88	16
10	64QAM	1	25	15.60	15.74	15.37	
10	64QAM	1	49	15.49	15.70	15.49	16
10	64QAM	25	0	15.49	15.43	15.38	
10	64QAM	25	12	15.57	15.59	15.51	16
10	64QAM	25	25	15.38	15.46	15.39	
10	64QAM	50	0	15.56	15.64	15.50	16
10	256QAM	1	0	15.57	15.49	15.58	
10	256QAM	1	25	15.36	15.58	15.51	16
10	256QAM	1	49	15.38	15.52	15.62	
10	256QAM	25	0	15.38	15.67	15.49	16
10	256QAM	25	12	15.52	15.65	15.65	
10	256QAM	25	25	15.51	15.67	15.54	16
10	256QAM	50	0	15.56	15.65	15.38	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	15.60	15.91	15.68	16
5	QPSK	1	12	15.65	15.60	15.69	
5	QPSK	1	24	15.68	15.75	15.45	16
5	QPSK	12	0	15.58	15.62	15.64	
5	QPSK	12	7	15.34	15.74	15.60	16
5	QPSK	12	13	15.40	15.65	15.54	
5	QPSK	25	0	15.53	15.60	15.50	16
5	16QAM	1	0	15.68	15.65	15.47	
5	16QAM	1	12	15.31	15.72	15.53	16
5	16QAM	1	24	15.48	15.48	15.50	
5	16QAM	12	0	15.65	15.50	15.23	16
5	16QAM	12	7	15.52	15.62	15.37	
5	16QAM	12	13	15.27	15.40	15.43	16
5	16QAM	25	0	15.37	15.50	15.38	
5	64QAM	1	0	15.61	15.71	15.71	16
5	64QAM	1	12	15.47	15.72	15.44	
5	64QAM	1	24	15.49	15.51	15.47	16
5	64QAM	12	0	15.44	15.46	15.40	
5	64QAM	12	7	15.60	15.59	15.52	16
5	64QAM	12	13	15.41	15.43	15.47	
5	64QAM	25	0	15.56	15.58	15.58	16
5	256QAM	1	0	15.52	15.50	15.55	
5	256QAM	1	12	15.45	15.57	15.44	16
5	256QAM	1	24	15.42	15.61	15.55	
5	256QAM	12	0	15.46	15.70	15.34	16
5	256QAM	12	7	15.57	15.61	15.69	
5	256QAM	12	13	15.48	15.65	15.46	16
5	256QAM	25	0	15.46	15.62	15.42	
Channel				131987	132322	132657	Tune-up limit



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Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	15.69	15.85	15.76	16
3	QPSK	1	8	15.56	15.75	15.65	
3	QPSK	1	14	15.61	15.74	15.53	
3	QPSK	8	0	15.62	15.67	15.52	16
3	QPSK	8	4	15.42	15.70	15.51	
3	QPSK	8	7	15.29	15.63	15.58	
3	QPSK	15	0	15.68	15.64	15.59	16
3	16QAM	1	0	15.80	15.61	15.61	
3	16QAM	1	8	15.43	15.79	15.48	
3	16QAM	1	14	15.40	15.54	15.43	16
3	16QAM	8	0	15.50	15.63	15.38	
3	16QAM	8	4	15.52	15.74	15.55	
3	16QAM	8	7	15.36	15.50	15.38	16
3	16QAM	15	0	15.53	15.47	15.40	
3	64QAM	1	0	15.63	15.64	15.86	
3	64QAM	1	8	15.58	15.68	15.43	16
3	64QAM	1	14	15.63	15.56	15.43	
3	64QAM	8	0	15.64	15.41	15.34	
3	64QAM	8	4	15.53	15.47	15.49	16
3	64QAM	8	7	15.39	15.45	15.38	
3	64QAM	15	0	15.64	15.66	15.57	
3	256QAM	1	0	15.46	15.62	15.55	16
3	256QAM	1	8	15.54	15.60	15.40	
3	256QAM	1	14	15.32	15.48	15.65	
3	256QAM	8	0	15.44	15.74	15.51	16
3	256QAM	8	4	15.70	15.53	15.72	
3	256QAM	8	7	15.48	15.51	15.55	
3	256QAM	15	0	15.45	15.57	15.56	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	15.70	15.84	15.63	16
1.4	QPSK	1	3	15.57	15.70	15.74	
1.4	QPSK	1	5	15.63	15.72	15.53	
1.4	QPSK	3	0	15.73	15.70	15.59	16
1.4	QPSK	3	1	15.45	15.69	15.50	
1.4	QPSK	3	3	15.40	15.46	15.47	
1.4	QPSK	6	0	15.59	15.71	15.63	16
1.4	16QAM	1	0	15.70	15.63	15.52	16
1.4	16QAM	1	3	15.50	15.59	15.52	
1.4	16QAM	1	5	15.34	15.45	15.58	
1.4	16QAM	3	0	15.49	15.50	15.22	16
1.4	16QAM	3	1	15.33	15.67	15.41	
1.4	16QAM	3	3	15.36	15.39	15.43	
1.4	16QAM	6	0	15.39	15.54	15.33	16
1.4	64QAM	1	0	15.65	15.75	15.80	16
1.4	64QAM	1	3	15.51	15.63	15.37	
1.4	64QAM	1	5	15.51	15.58	15.60	
1.4	64QAM	3	0	15.46	15.55	15.38	16
1.4	64QAM	3	1	15.59	15.61	15.50	
1.4	64QAM	3	3	15.45	15.38	15.33	
1.4	64QAM	6	0	15.59	15.62	15.48	16
1.4	256QAM	1	0	15.58	15.63	15.75	16
1.4	256QAM	1	3	15.43	15.61	15.41	
1.4	256QAM	1	5	15.37	15.49	15.65	
1.4	256QAM	3	0	15.50	15.76	15.45	16
1.4	256QAM	3	1	15.71	15.53	15.74	
1.4	256QAM	3	3	15.44	15.67	15.40	
1.4	256QAM	6	0	15.62	15.51	15.42	16

<LTE Band 71\_Ant 0\_Sensor OFF\_NB/TB>



**FCC SAR TEST REPORT**

**Report No. : FA3N0927**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				133222	133297	133372	
Frequency (MHz)				673	680.5	688	
20	QPSK	1	0	22.96	23.39	23.23	24
20	QPSK	1	49	23.27	23.22	23.08	
20	QPSK	1	99	23.21	23.06	22.88	
20	QPSK	50	0	22.36	22.37	22.19	23
20	QPSK	50	24	22.35	22.36	22.11	
20	QPSK	50	50	22.28	22.25	22.05	
20	QPSK	100	0	22.33	22.41	22.07	
20	16QAM	1	0	22.71	22.48	22.38	23
20	16QAM	1	49	22.91	22.76	22.47	
20	16QAM	1	99	22.70	22.59	22.38	
20	16QAM	50	0	21.39	21.30	21.12	22
20	16QAM	50	24	21.49	21.28	21.12	
20	16QAM	50	50	21.40	21.17	21.07	
20	16QAM	100	0	21.39	21.31	21.05	
20	64QAM	1	0	21.24	21.53	21.79	22
20	64QAM	1	49	21.72	21.31	21.47	
20	64QAM	1	99	21.71	21.05	21.29	
20	64QAM	50	0	20.33	20.37	20.16	21
20	64QAM	50	24	20.37	20.41	20.20	
20	64QAM	50	50	20.37	20.28	20.03	
20	64QAM	100	0	20.54	20.28	20.13	
20	256QAM	1	0	18.52	18.80	18.88	19
20	256QAM	1	49	18.94	18.56	18.75	
20	256QAM	1	99	18.96	18.34	18.59	
20	256QAM	50	0	17.60	17.65	17.39	19
20	256QAM	50	24	17.89	17.92	17.78	
20	256QAM	50	50	17.93	17.84	17.58	
20	256QAM	100	0	18.06	17.87	17.72	
Channel				133197	133297	133397	
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	0	23.16	23.19	23.18	24
15	QPSK	1	37	23.23	23.33	23.11	
15	QPSK	1	74	23.11	23.18	22.78	
15	QPSK	36	0	22.29	22.29	22.23	23
15	QPSK	36	20	22.38	22.20	22.05	
15	QPSK	36	39	22.39	22.27	22.06	
15	QPSK	75	0	22.35	22.34	22.14	
15	16QAM	1	0	22.02	22.33	21.95	23
15	16QAM	1	37	22.41	22.52	21.98	
15	16QAM	1	74	22.05	21.91	21.78	
15	16QAM	36	0	21.35	21.29	21.13	22
15	16QAM	36	20	21.44	21.26	21.13	
15	16QAM	36	39	21.34	21.37	21.10	
15	16QAM	75	0	21.46	21.33	21.20	
15	64QAM	1	0	21.05	21.11	20.74	22
15	64QAM	1	37	21.14	21.61	20.87	
15	64QAM	1	74	21.28	20.61	20.98	
15	64QAM	36	0	20.28	20.25	20.21	21
15	64QAM	36	20	20.44	20.36	20.18	
15	64QAM	36	39	20.36	20.22	20.06	
15	64QAM	75	0	20.40	20.28	20.14	
15	256QAM	1	0	18.50	18.75	18.55	19
15	256QAM	1	37	19.00	18.57	18.69	
15	256QAM	1	74	19.00	18.28	18.59	
15	256QAM	36	0	17.53	17.58	17.39	19
15	256QAM	36	20	17.90	17.97	17.76	
15	256QAM	36	39	17.89	17.79	17.53	
15	256QAM	75	0	18.05	17.81	17.65	



**FCC SAR TEST REPORT**

**Report No. : FA3N0927**

Channel				133172	133297	133422	Tune-up limit(dBm)
Frequency (MHz)				668	680.5	693	
10	QPSK	1	0	23.04	23.04	23.17	24
10	QPSK	1	25	23.15	23.15	22.95	
10	QPSK	1	49	23.02	23.08	22.65	
10	QPSK	25	0	22.21	22.09	22.08	23
10	QPSK	25	12	22.35	22.15	21.90	
10	QPSK	25	25	22.23	22.21	21.99	
10	QPSK	50	0	22.32	22.26	22.08	23
10	16QAM	1	0	21.85	22.32	21.80	
10	16QAM	1	25	22.25	22.49	21.93	
10	16QAM	1	49	22.05	21.79	21.76	22
10	16QAM	25	0	21.25	21.19	20.97	
10	16QAM	25	12	21.40	21.06	21.02	
10	16QAM	25	25	21.14	21.20	21.06	22
10	16QAM	50	0	21.29	21.26	21.18	
10	64QAM	1	0	21.02	21.00	20.56	
10	64QAM	1	25	20.99	21.44	20.71	22
10	64QAM	1	49	21.09	20.47	20.80	
10	64QAM	25	0	20.15	20.21	20.12	
10	64QAM	25	12	20.39	20.19	20.00	21
10	64QAM	25	25	20.32	20.11	19.95	
10	64QAM	50	0	20.36	20.14	19.95	
10	256QAM	1	0	18.47	18.74	18.51	19
10	256QAM	1	25	18.99	18.37	18.64	
10	256QAM	1	49	18.97	18.17	18.53	
10	256QAM	25	0	17.35	17.42	17.20	19
10	256QAM	25	12	17.88	17.79	17.71	
10	256QAM	25	25	17.71	17.75	17.51	
10	256QAM	50	0	17.85	17.69	17.72	
Channel				133147	133297	133447	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	QPSK	1	0	23.08	23.13	23.01	24
5	QPSK	1	12	23.12	23.20	23.05	
5	QPSK	1	24	22.96	23.07	22.70	
5	QPSK	12	0	22.23	22.25	22.21	23
5	QPSK	12	7	22.32	22.13	21.99	
5	QPSK	12	13	22.33	22.24	21.97	
5	QPSK	25	0	22.32	22.27	22.11	23
5	16QAM	1	0	21.88	22.26	21.76	
5	16QAM	1	12	22.40	22.32	21.82	
5	16QAM	1	24	21.99	21.80	21.58	22
5	16QAM	12	0	21.20	21.23	21.08	
5	16QAM	12	7	21.29	21.18	21.08	
5	16QAM	12	13	21.32	21.21	20.91	22
5	16QAM	25	0	21.42	21.32	21.17	
5	64QAM	1	0	20.90	20.96	20.68	
5	64QAM	1	12	21.04	21.56	20.76	22
5	64QAM	1	24	21.10	20.57	20.78	
5	64QAM	12	0	20.24	20.16	20.05	
5	64QAM	12	7	20.35	20.33	20.03	21
5	64QAM	12	13	20.22	20.13	19.94	
5	64QAM	25	0	20.38	20.15	20.11	
5	256QAM	1	0	18.43	18.66	18.49	19
5	256QAM	1	12	18.93	18.51	18.64	
5	256QAM	1	24	19.00	18.11	18.53	
5	256QAM	12	0	17.51	17.57	17.30	19
5	256QAM	12	7	17.80	17.83	17.59	
5	256QAM	12	13	17.71	17.78	17.46	
5	256QAM	25	0	17.92	17.78	17.65	



<LTE Band 71\_Ant 0\_Sensor ON\_NB>

Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)			
Channel	133222	133297	133372				
Frequency (MHz)	673	680.5	688				
20	QPSK	1	0	22.25	22.42	22.29	23
20	QPSK	1	49	22.24	22.26	22.10	
20	QPSK	1	99	22.19	22.14	21.88	
20	QPSK	50	0	21.50	21.53	21.40	22
20	QPSK	50	24	21.40	21.48	21.37	
20	QPSK	50	50	21.49	21.32	21.27	
20	QPSK	100	0	21.51	21.52	21.37	22
20	16QAM	1	0	21.49	21.22	21.33	
20	16QAM	1	49	21.58	21.35	21.67	
20	16QAM	1	99	21.72	21.35	20.96	21
20	16QAM	50	0	20.55	20.55	20.49	
20	16QAM	50	24	20.63	20.54	20.42	
20	16QAM	50	50	20.59	20.43	20.10	21
20	16QAM	100	0	20.58	20.57	20.48	
20	64QAM	1	0	20.62	20.79	20.11	
20	64QAM	1	49	20.92	20.46	20.17	21
20	64QAM	1	99	20.20	20.32	19.93	
20	64QAM	50	0	19.57	19.43	19.45	
20	64QAM	50	24	19.66	19.50	19.31	20
20	64QAM	50	50	19.55	19.34	19.32	
20	64QAM	100	0	19.61	19.57	19.39	
20	256QAM	1	0	17.27	17.35	16.66	18
20	256QAM	1	49	17.18	17.48	16.71	
20	256QAM	1	99	17.29	17.37	16.76	
20	256QAM	50	0	17.25	17.37	16.66	18
20	256QAM	50	24	17.27	17.46	16.62	
20	256QAM	50	50	17.16	17.48	16.71	
20	256QAM	100	0	17.19	17.35	16.72	
Channel	133197	133297	133397				
Frequency (MHz)	670.5	680.5	690.5				
15	QPSK	1	0	22.19	22.25	22.21	23
15	QPSK	1	37	22.05	22.08	21.95	
15	QPSK	1	74	22.04	22.04	21.86	
15	QPSK	36	0	21.41	21.48	21.29	22
15	QPSK	36	20	21.38	21.32	21.26	
15	QPSK	36	39	21.41	21.25	21.08	
15	QPSK	75	0	21.38	21.41	21.21	22
15	16QAM	1	0	21.44	21.11	21.15	
15	16QAM	1	37	21.51	21.31	21.48	
15	16QAM	1	74	21.71	21.28	20.79	21
15	16QAM	36	0	20.38	20.44	20.49	
15	16QAM	36	20	20.60	20.42	20.22	
15	16QAM	36	39	20.58	20.28	20.09	21
15	16QAM	75	0	20.51	20.37	20.38	
15	64QAM	1	0	20.47	20.77	20.09	
15	64QAM	1	37	20.81	20.37	19.98	21
15	64QAM	1	74	20.05	20.15	19.76	
15	64QAM	36	0	19.42	19.41	19.27	
15	64QAM	36	20	19.50	19.33	19.13	20
15	64QAM	36	39	19.42	19.30	19.28	
15	64QAM	75	0	19.53	19.42	19.19	
15	256QAM	1	0	17.13	17.26	16.62	18
15	256QAM	1	37	16.98	17.42	16.71	
15	256QAM	1	74	17.11	17.30	16.66	
15	256QAM	36	0	17.22	17.35	16.65	18
15	256QAM	36	20	17.20	17.42	16.47	



**FCC SAR TEST REPORT**

**Report No. : FA3N0927**

15	256QAM	36	39	17.06	17.47	16.70	Tune-up limit(dBm)
15	256QAM	75	0	17.13	17.27	16.60	
Channel				133172	133297	133422	
Frequency (MHz)				668	680.5	693	23
10	QPSK	1	0	22.23	22.25	22.11	
10	QPSK	1	25	22.10	22.20	22.04	
10	QPSK	1	49	22.02	22.05	21.71	
10	QPSK	25	0	21.37	21.46	21.26	22
10	QPSK	25	12	21.32	21.34	21.27	
10	QPSK	25	25	21.43	21.26	21.15	
10	QPSK	50	0	21.41	21.29	21.31	22
10	16QAM	1	0	21.47	21.03	21.32	
10	16QAM	1	25	21.47	21.16	21.53	
10	16QAM	1	49	21.52	21.32	20.94	21
10	16QAM	25	0	20.42	20.55	20.31	
10	16QAM	25	12	20.49	20.34	20.41	
10	16QAM	25	25	20.44	20.30	20.08	21
10	16QAM	50	0	20.46	20.56	20.37	
10	64QAM	1	0	20.61	20.59	19.92	
10	64QAM	1	25	20.77	20.45	20.08	21
10	64QAM	1	49	20.02	20.30	19.83	
10	64QAM	25	0	19.47	19.26	19.43	
10	64QAM	25	12	19.64	19.43	19.27	20
10	64QAM	25	25	19.37	19.17	19.27	
10	64QAM	50	0	19.48	19.50	19.24	
10	256QAM	1	0	17.12	17.19	16.47	18
10	256QAM	1	25	17.01	17.34	16.64	
10	256QAM	1	49	17.23	17.20	16.72	
10	256QAM	25	0	17.05	17.31	16.64	18
10	256QAM	25	12	17.21	17.45	16.45	
10	256QAM	25	25	17.10	17.34	16.61	
10	256QAM	50	0	17.06	17.34	16.60	
Channel				133147	133297	133447	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	QPSK	1	0	22.19	22.27	22.18	23
5	QPSK	1	12	22.19	22.17	22.08	
5	QPSK	1	24	21.99	21.99	21.78	
5	QPSK	12	0	21.46	21.43	21.33	22
5	QPSK	12	7	21.40	21.41	21.28	
5	QPSK	12	13	21.36	21.19	21.14	
5	QPSK	25	0	21.49	21.31	21.34	22
5	16QAM	1	0	21.31	21.06	21.20	
5	16QAM	1	12	21.39	21.34	21.58	
5	16QAM	1	24	21.70	21.23	20.94	21
5	16QAM	12	0	20.39	20.39	20.33	
5	16QAM	12	7	20.55	20.36	20.29	
5	16QAM	12	13	20.57	20.26	19.92	21
5	16QAM	25	0	20.43	20.53	20.48	
5	64QAM	1	0	20.54	20.75	19.93	
5	64QAM	1	12	20.86	20.46	20.14	21
5	64QAM	1	24	20.01	20.16	19.83	
5	64QAM	12	0	19.49	19.40	19.41	
5	64QAM	12	7	19.47	19.39	19.19	20
5	64QAM	12	13	19.46	19.23	19.21	
5	64QAM	25	0	19.52	19.37	19.24	
5	256QAM	1	0	17.19	17.29	16.59	18
5	256QAM	1	12	17.18	17.32	16.60	
5	256QAM	1	24	17.26	17.24	16.72	
5	256QAM	12	0	17.24	17.27	16.60	18
5	256QAM	12	7	17.14	17.46	16.46	
5	256QAM	12	13	17.11	17.48	16.57	
5	256QAM	25	0	16.99	17.25	16.70	



<LTE Band 71\_Ant 0\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				133222	133297	133372	
Frequency (MHz)				673	680.5	688	
20	QPSK	1	0	18.39	18.46	18.40	18.5
20	QPSK	1	49	18.30	18.44	18.35	
20	QPSK	1	99	18.29	18.32	18.21	
20	QPSK	50	0	17.43	17.45	17.40	17.5
20	QPSK	50	24	17.38	17.40	17.35	
20	QPSK	50	50	17.42	17.44	17.35	
20	QPSK	100	0	17.30	17.47	17.44	
20	16QAM	1	0	17.43	17.47	17.39	17.5
20	16QAM	1	49	17.41	17.49	17.40	
20	16QAM	1	99	17.35	17.46	17.34	
20	16QAM	50	0	16.42	16.49	16.43	16.5
20	16QAM	50	24	16.36	16.47	16.45	
20	16QAM	50	50	16.34	16.46	16.33	
20	16QAM	100	0	16.31	16.44	16.42	
20	64QAM	1	0	16.39	16.40	16.32	16.5
20	64QAM	1	49	16.21	16.42	16.40	
20	64QAM	1	99	16.11	16.38	16.35	
20	64QAM	50	0	15.38	15.45	15.44	15.5
20	64QAM	50	24	15.29	15.44	15.46	
20	64QAM	50	50	15.26	15.29	15.28	
20	64QAM	100	0	15.22	15.42	15.37	
20	256QAM	1	0	13.20	13.39	13.42	13.5
20	256QAM	1	49	13.06	13.20	13.20	
20	256QAM	1	99	13.07	13.31	13.33	
20	256QAM	50	0	13.29	13.28	13.36	13.5
20	256QAM	50	24	13.27	13.38	13.36	
20	256QAM	50	50	13.11	13.11	13.14	
20	256QAM	100	0	13.20	13.31	13.36	
Channel				133197	133297	133397	
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	0	18.27	18.36	18.30	18.5
15	QPSK	1	37	18.12	18.31	18.29	
15	QPSK	1	74	18.22	18.22	18.14	
15	QPSK	36	0	17.37	17.35	17.32	17.5
15	QPSK	36	20	17.19	17.24	17.34	
15	QPSK	36	39	17.32	17.35	17.32	
15	QPSK	75	0	17.27	17.45	17.42	
15	16QAM	1	0	17.33	17.46	17.30	17.5
15	16QAM	1	37	17.30	17.44	17.26	
15	16QAM	1	74	17.16	17.36	17.27	
15	16QAM	36	0	16.26	16.39	16.27	16.5
15	16QAM	36	20	16.17	16.36	16.38	
15	16QAM	36	39	16.34	16.33	16.32	
15	16QAM	75	0	16.31	16.40	16.33	
15	64QAM	1	0	16.24	16.24	16.32	16.5
15	64QAM	1	37	16.01	16.27	16.38	
15	64QAM	1	74	16.06	16.20	16.23	
15	64QAM	36	0	15.35	15.39	15.36	15.5
15	64QAM	36	20	15.17	15.30	15.43	
15	64QAM	36	39	15.17	15.13	15.16	
15	64QAM	75	0	15.12	15.30	15.19	
15	256QAM	1	0	13.07	13.27	13.42	13.5
15	256QAM	1	37	12.91	13.20	13.08	
15	256QAM	1	74	13.06	13.29	13.25	
15	256QAM	36	0	13.19	13.26	13.26	13.5



**FCC SAR TEST REPORT**

**Report No. : FA3N0927**

Channel	Frequency (MHz)	Modulation	Power (dBm)	133172	133297	133422	Tune-up limit(dBm)
15	256QAM	36	20	13.11	13.23	13.16	
15	256QAM	36	39	12.96	13.09	13.13	
15	256QAM	75	0	13.08	13.15	13.17	
Channel				133172	133297	133422	Tune-up limit(dBm)
Frequency (MHz)				668	680.5	693	
10	QPSK	1	0	18.23	18.26	18.25	18.5
10	QPSK	1	25	18.26	18.25	18.22	
10	QPSK	1	49	18.13	18.30	18.21	
10	QPSK	25	0	17.27	17.35	17.27	17.5
10	QPSK	25	12	17.23	17.33	17.20	
10	QPSK	25	25	17.35	17.36	17.25	
10	QPSK	50	0	17.12	17.37	17.25	17.5
10	16QAM	1	0	17.32	17.46	17.23	
10	16QAM	1	25	17.23	17.30	17.36	
10	16QAM	1	49	17.21	17.30	17.18	17.5
10	16QAM	25	0	16.42	16.49	16.26	
10	16QAM	25	12	16.16	16.32	16.40	
10	16QAM	25	25	16.18	16.42	16.28	16.5
10	16QAM	50	0	16.23	16.41	16.24	
10	64QAM	1	0	16.24	16.40	16.13	
10	64QAM	1	25	16.04	16.29	16.29	16.5
10	64QAM	1	49	16.04	16.30	16.18	
10	64QAM	25	0	15.29	15.38	15.28	
10	64QAM	25	12	15.11	15.36	15.36	15.5
10	64QAM	25	25	15.14	15.17	15.16	
10	64QAM	50	0	15.19	15.30	15.20	
10	256QAM	1	0	13.16	13.22	13.32	13.5
10	256QAM	1	25	12.93	13.09	13.04	
10	256QAM	1	49	13.05	13.20	13.21	
10	256QAM	25	0	13.21	13.22	13.28	13.5
10	256QAM	25	12	13.13	13.24	13.27	
10	256QAM	25	25	13.08	12.91	12.95	
10	256QAM	50	0	13.02	13.12	13.22	
Channel				133147	133297	133447	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	QPSK	1	0	18.38	18.33	18.22	18.5
5	QPSK	1	12	18.22	18.34	18.30	
5	QPSK	1	24	18.15	18.23	18.08	
5	QPSK	12	0	17.34	17.32	17.35	17.5
5	QPSK	12	7	17.22	17.25	17.27	
5	QPSK	12	13	17.23	17.33	17.16	
5	QPSK	25	0	17.24	17.43	17.31	17.5
5	16QAM	1	0	17.36	17.27	17.35	
5	16QAM	1	12	17.35	17.41	17.29	
5	16QAM	1	24	17.34	17.39	17.14	16.5
5	16QAM	12	0	16.40	16.41	16.26	
5	16QAM	12	7	16.17	16.41	16.26	
5	16QAM	12	13	16.27	16.26	16.22	16.5
5	16QAM	25	0	16.13	16.27	16.22	
5	64QAM	1	0	16.25	16.31	16.13	
5	64QAM	1	12	16.03	16.38	16.22	16.5
5	64QAM	1	24	16.03	16.21	16.16	
5	64QAM	12	0	15.35	15.36	15.37	
5	64QAM	12	7	15.23	15.43	15.27	15.5
5	64QAM	12	13	15.20	15.14	15.11	
5	64QAM	25	0	15.15	15.30	15.29	
5	256QAM	1	0	13.18	13.39	13.30	13.5
5	256QAM	1	12	12.88	13.01	13.16	
5	256QAM	1	24	13.03	13.31	13.23	
5	256QAM	12	0	13.16	13.12	13.21	13.5
5	256QAM	12	7	13.24	13.36	13.24	
5	256QAM	12	13	13.03	13.04	13.13	
5	256QAM	25	0	13.03	13.26	13.23	





<LTE Band 38\_Ant 0\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	22.93	23.11	22.57	24
20	QPSK	1	49	23.10	22.93	22.70	
20	QPSK	1	99	22.87	22.70	22.60	
20	QPSK	50	0	21.85	21.88	21.85	23
20	QPSK	50	24	21.84	21.87	21.84	
20	QPSK	50	50	21.85	21.86	21.74	
20	QPSK	100	0	21.84	21.85	21.78	
20	16QAM	1	0	21.85	21.62	21.66	23
20	16QAM	1	49	22.14	21.82	22.10	
20	16QAM	1	99	21.71	21.48	21.81	
20	16QAM	50	0	21.04	20.94	20.70	22
20	16QAM	50	24	20.99	20.89	20.86	
20	16QAM	50	50	20.88	20.87	20.78	
20	16QAM	100	0	20.97	20.82	20.83	
20	64QAM	1	0	20.96	20.95	20.39	22
20	64QAM	1	49	20.96	20.74	20.51	
20	64QAM	1	99	20.53	20.76	20.46	
20	64QAM	50	0	20.04	19.78	19.67	21
20	64QAM	50	24	19.87	19.84	19.81	
20	64QAM	50	50	19.98	19.88	19.86	
20	64QAM	100	0	19.88	19.88	19.84	
20	256QAM	1	0	18.53	18.54	17.94	19
20	256QAM	1	49	18.50	18.31	18.04	
20	256QAM	1	99	18.03	18.27	18.00	
20	256QAM	50	0	17.58	17.31	17.25	19
20	256QAM	50	24	17.47	17.35	17.35	
20	256QAM	50	50	17.48	17.45	17.40	
20	256QAM	100	0	17.46	17.47	17.39	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	22.82	22.91	22.40	24
15	QPSK	1	37	23.01	22.75	22.59	
15	QPSK	1	74	22.70	22.58	22.45	
15	QPSK	36	0	21.95	21.72	21.64	23
15	QPSK	36	20	21.80	21.86	21.80	
15	QPSK	36	39	21.91	21.84	21.65	
15	QPSK	75	0	21.76	21.65	21.67	
15	16QAM	1	0	21.66	21.47	21.48	23
15	16QAM	1	37	22.00	21.67	22.03	
15	16QAM	1	74	21.60	21.41	21.79	
15	16QAM	36	0	20.96	20.75	20.64	22
15	16QAM	36	20	20.81	20.69	20.84	
15	16QAM	36	39	20.83	20.82	20.74	
15	16QAM	75	0	20.96	20.70	20.65	
15	64QAM	1	0	20.82	20.86	20.32	22
15	64QAM	1	37	20.76	20.67	20.32	
15	64QAM	1	74	20.49	20.65	20.43	
15	64QAM	36	0	19.85	19.58	19.57	21
15	64QAM	36	20	19.69	19.83	19.67	
15	64QAM	36	39	19.86	19.85	19.83	
15	64QAM	75	0	19.74	19.72	19.79	
15	256QAM	1	0	18.44	18.36	17.77	19
15	256QAM	1	37	18.40	18.24	17.93	
15	256QAM	1	74	17.97	18.12	17.92	
15	256QAM	36	0	17.44	17.17	17.21	19



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Channel	37800	38000	38200	Tune-up limit(dBm)			
15	256QAM	36	20	17.31	17.21	17.26	
15	256QAM	36	39	17.48	17.29	17.24	
15	256QAM	75	0	17.41	17.27	17.20	
Channel	37800	38000	38200	Tune-up limit(dBm)			
Frequency (MHz)	2575	2595	2615				
10	QPSK	1	0	22.75	22.96	22.53	24
10	QPSK	1	25	23.08	22.93	22.56	
10	QPSK	1	49	22.71	22.52	22.54	
10	QPSK	25	0	21.88	21.74	21.53	23
10	QPSK	25	12	21.89	21.72	21.68	
10	QPSK	25	25	21.73	21.84	21.70	
10	QPSK	50	0	21.93	21.66	21.71	23
10	16QAM	1	0	21.85	21.45	21.47	
10	16QAM	1	25	22.08	21.67	22.05	
10	16QAM	1	49	21.70	21.30	21.71	22
10	16QAM	25	0	20.99	20.74	20.51	
10	16QAM	25	12	20.82	20.74	20.85	
10	16QAM	25	25	20.71	20.84	20.69	22
10	16QAM	50	0	20.87	20.69	20.67	
10	64QAM	1	0	20.91	20.93	20.23	
10	64QAM	1	25	20.90	20.65	20.35	22
10	64QAM	1	49	20.43	20.66	20.46	
10	64QAM	25	0	20.03	19.65	19.63	
10	64QAM	25	12	19.78	19.78	19.68	21
10	64QAM	25	25	19.81	19.88	19.75	
10	64QAM	50	0	19.83	19.77	19.83	
10	256QAM	1	0	18.39	18.45	17.75	19
10	256QAM	1	25	18.37	18.27	17.99	
10	256QAM	1	49	17.94	18.08	17.92	
10	256QAM	25	0	17.47	17.17	17.05	19
10	256QAM	25	12	17.35	17.18	17.26	
10	256QAM	25	25	17.33	17.44	17.37	
10	256QAM	50	0	17.28	17.43	17.38	
Channel	37775	38000	38225	Tune-up limit (dBm)			
Frequency (MHz)	2572.5	2595	2617.5				
5	QPSK	1	0	22.73	22.96	22.44	24
5	QPSK	1	12	22.99	22.92	22.59	
5	QPSK	1	24	22.86	22.52	22.44	
5	QPSK	12	0	21.84	21.80	21.65	23
5	QPSK	12	7	21.92	21.87	21.74	
5	QPSK	12	13	21.73	21.74	21.59	
5	QPSK	25	0	21.88	21.85	21.73	23
5	16QAM	1	0	21.75	21.44	21.49	
5	16QAM	1	12	22.01	21.67	22.08	
5	16QAM	1	24	21.61	21.41	21.70	22
5	16QAM	12	0	20.90	20.83	20.61	
5	16QAM	12	7	20.99	20.82	20.66	
5	16QAM	12	13	20.72	20.85	20.72	22
5	16QAM	25	0	20.79	20.65	20.67	
5	64QAM	1	0	20.91	20.80	20.19	
5	64QAM	1	12	20.82	20.56	20.47	22
5	64QAM	1	24	20.40	20.56	20.43	
5	64QAM	12	0	19.98	19.76	19.65	
5	64QAM	12	7	19.71	19.81	19.67	21
5	64QAM	12	13	19.95	19.74	19.70	
5	64QAM	25	0	19.87	19.88	19.72	
5	256QAM	1	0	18.34	18.35	17.90	19
5	256QAM	1	12	18.31	18.28	17.88	
5	256QAM	1	24	17.99	18.20	17.85	
5	256QAM	12	0	17.47	17.30	17.21	19
5	256QAM	12	7	17.36	17.24	17.28	
5	256QAM	12	13	17.38	17.35	17.25	
5	256QAM	25	0	17.35	17.44	17.34	



<LTE Band 38\_Ant 2\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	23.14	23.04	22.99	24
20	QPSK	1	49	23.04	22.94	22.88	
20	QPSK	1	99	23.04	22.94	22.81	
20	QPSK	50	0	22.36	22.18	22.11	23
20	QPSK	50	24	22.34	22.10	22.09	
20	QPSK	50	50	22.30	22.12	22.08	
20	QPSK	100	0	22.35	22.16	22.12	23
20	16QAM	1	0	21.85	21.76	21.71	
20	16QAM	1	49	21.87	21.79	21.74	
20	16QAM	1	99	21.85	21.76	21.71	22
20	16QAM	50	0	21.09	20.98	21.09	
20	16QAM	50	24	21.08	20.96	21.06	
20	16QAM	50	50	21.11	20.99	21.04	22
20	16QAM	100	0	21.21	21.11	21.08	
20	64QAM	1	0	20.83	20.79	20.64	
20	64QAM	1	49	20.84	20.61	20.66	22
20	64QAM	1	99	20.68	20.70	20.65	
20	64QAM	50	0	20.11	20.09	20.04	
20	64QAM	50	24	20.09	20.00	20.01	21
20	64QAM	50	50	20.10	20.01	20.00	
20	64QAM	100	0	20.12	20.03	19.94	
20	256QAM	1	0	18.61	18.54	18.55	19
20	256QAM	1	49	18.64	18.60	18.54	
20	256QAM	1	99	18.62	18.62	18.63	
20	256QAM	50	0	18.61	18.61	18.54	19
20	256QAM	50	24	18.67	18.53	18.66	
20	256QAM	50	50	18.64	18.59	18.59	
20	256QAM	100	0	18.63	18.54	18.58	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	23.10	22.94	22.88	24
15	QPSK	1	37	22.98	22.94	22.82	
15	QPSK	1	74	23.04	22.77	22.70	
15	QPSK	36	0	22.16	21.99	21.91	23
15	QPSK	36	20	22.18	21.98	22.08	
15	QPSK	36	39	22.27	22.10	22.08	
15	QPSK	75	0	22.15	22.05	22.08	23
15	16QAM	1	0	21.79	21.61	21.51	
15	16QAM	1	37	21.71	21.63	21.74	
15	16QAM	1	74	21.81	21.67	21.60	22
15	16QAM	36	0	20.98	20.85	20.99	
15	16QAM	36	20	21.07	20.85	20.91	
15	16QAM	36	39	21.00	20.81	21.03	22
15	16QAM	75	0	21.04	20.98	20.90	
15	64QAM	1	0	20.68	20.75	20.54	
15	64QAM	1	37	20.76	20.57	20.48	22
15	64QAM	1	74	20.60	20.52	20.46	
15	64QAM	36	0	20.02	19.97	20.01	
15	64QAM	36	20	20.00	20.00	19.95	21
15	64QAM	36	39	20.06	19.97	19.88	
15	64QAM	75	0	19.97	20.02	19.82	
15	256QAM	1	0	18.42	18.41	18.38	19
15	256QAM	1	37	18.57	18.52	18.48	
15	256QAM	1	74	18.58	18.49	18.46	
15	256QAM	36	0	18.48	18.42	18.50	19



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15	256QAM	36	20	18.52	18.51	18.57	
15	256QAM	36	39	18.62	18.52	18.59	
15	256QAM	75	0	18.63	18.40	18.39	
Channel				37800	38000	38200	Tune-up limit(dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	23.12	22.85	22.97	24
10	QPSK	1	25	23.02	22.74	22.81	
10	QPSK	1	49	22.84	22.89	22.66	
10	QPSK	25	0	22.23	22.18	22.02	23
10	QPSK	25	12	22.32	21.99	22.08	
10	QPSK	25	25	22.15	22.02	21.99	
10	QPSK	50	0	22.32	22.11	22.04	23
10	16QAM	1	0	21.71	21.65	21.54	
10	16QAM	1	25	21.77	21.75	21.74	
10	16QAM	1	49	21.72	21.61	21.68	22
10	16QAM	25	0	21.08	20.85	21.04	
10	16QAM	25	12	20.88	20.82	21.00	
10	16QAM	25	25	21.00	20.96	21.02	22
10	16QAM	50	0	21.11	21.11	20.90	
10	64QAM	1	0	20.75	20.63	20.61	
10	64QAM	1	25	20.78	20.57	20.50	22
10	64QAM	1	49	20.48	20.68	20.53	
10	64QAM	25	0	19.98	19.93	20.01	
10	64QAM	25	12	19.95	19.91	20.00	21
10	64QAM	25	25	19.99	19.83	19.81	
10	64QAM	50	0	20.09	19.83	19.83	
10	256QAM	1	0	18.53	18.47	18.46	19
10	256QAM	1	25	18.46	18.54	18.52	
10	256QAM	1	49	18.57	18.57	18.54	
10	256QAM	25	0	18.45	18.42	18.40	19
10	256QAM	25	12	18.52	18.37	18.51	
10	256QAM	25	25	18.54	18.42	18.49	
10	256QAM	50	0	18.53	18.53	18.54	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	23.10	22.97	22.86	24
5	QPSK	1	12	22.85	22.76	22.72	
5	QPSK	1	24	22.89	22.78	22.71	
5	QPSK	12	0	22.30	22.07	21.91	23
5	QPSK	12	7	22.17	22.02	22.01	
5	QPSK	12	13	22.15	21.94	21.94	
5	QPSK	25	0	22.32	22.13	22.02	23
5	16QAM	1	0	21.75	21.75	21.62	
5	16QAM	1	12	21.73	21.70	21.57	
5	16QAM	1	24	21.77	21.72	21.69	22
5	16QAM	12	0	20.97	20.89	20.89	
5	16QAM	12	7	21.03	20.89	20.96	
5	16QAM	12	13	20.93	20.92	20.89	22
5	16QAM	25	0	21.04	20.97	20.97	
5	64QAM	1	0	20.66	20.69	20.60	
5	64QAM	1	12	20.65	20.43	20.51	22
5	64QAM	1	24	20.58	20.59	20.45	
5	64QAM	12	0	20.10	19.94	20.00	
5	64QAM	12	7	20.02	19.88	19.90	21
5	64QAM	12	13	19.90	19.99	20.00	
5	64QAM	25	0	20.04	19.84	19.86	
5	256QAM	1	0	18.54	18.42	18.49	19
5	256QAM	1	12	18.52	18.58	18.43	
5	256QAM	1	24	18.50	18.60	18.58	
5	256QAM	12	0	18.55	18.53	18.41	19
5	256QAM	12	7	18.67	18.48	18.61	
5	256QAM	12	13	18.48	18.59	18.41	
5	256QAM	25	0	18.53	18.50	18.56	



<LTE Band 38\_Ant 0\_Sensor ON\_NB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	19.44	19.50	19.44	20
20	QPSK	1	49	19.28	19.19	19.28	
20	QPSK	1	99	19.33	19.19	19.03	
20	QPSK	50	0	18.43	18.47	18.27	19
20	QPSK	50	24	18.41	18.38	18.35	
20	QPSK	50	50	18.36	18.38	18.22	
20	QPSK	100	0	18.32	18.43	18.33	19
20	16QAM	1	0	18.40	18.59	18.06	
20	16QAM	1	49	18.59	18.27	18.26	
20	16QAM	1	99	18.66	18.12	18.16	18
20	16QAM	50	0	17.53	17.46	17.26	
20	16QAM	50	24	17.41	17.32	17.38	
20	16QAM	50	50	17.33	17.37	17.37	18
20	16QAM	100	0	17.41	17.34	17.37	
20	64QAM	1	0	17.53	16.83	17.20	
20	64QAM	1	49	17.08	17.23	17.33	18
20	64QAM	1	99	17.52	17.15	17.01	
20	64QAM	50	0	16.52	16.39	16.26	
20	64QAM	50	24	16.45	16.49	16.35	17
20	64QAM	50	50	16.44	16.33	16.38	
20	64QAM	100	0	16.33	16.31	16.19	
20	256QAM	1	0	14.16	13.93	13.85	15
20	256QAM	1	49	14.02	13.93	13.96	
20	256QAM	1	99	14.04	13.97	13.85	
20	256QAM	50	0	14.16	14.04	13.96	15
20	256QAM	50	24	14.10	13.92	13.81	
20	256QAM	50	50	14.10	14.03	13.76	
20	256QAM	100	0	14.13	13.91	13.83	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	19.28	19.33	19.24	20
15	QPSK	1	37	19.13	19.10	19.28	
15	QPSK	1	74	19.25	19.18	18.86	
15	QPSK	36	0	18.47	18.26	18.19	19
15	QPSK	36	20	18.40	18.35	18.25	
15	QPSK	36	39	18.29	18.33	18.15	
15	QPSK	75	0	18.16	18.37	18.13	19
15	16QAM	1	0	18.33	18.44	18.06	
15	16QAM	1	37	18.47	18.27	18.15	
15	16QAM	1	74	18.49	17.95	17.98	18
15	16QAM	36	0	17.45	17.37	17.16	
15	16QAM	36	20	17.28	17.24	17.28	
15	16QAM	36	39	17.27	17.30	17.25	18
15	16QAM	75	0	17.21	17.24	17.17	
15	64QAM	1	0	17.51	16.77	17.06	
15	64QAM	1	37	16.93	17.08	17.30	18
15	64QAM	1	74	17.34	16.95	16.86	
15	64QAM	36	0	16.52	16.33	16.20	
15	64QAM	36	20	16.40	16.29	16.17	17
15	64QAM	36	39	16.35	16.19	16.20	
15	64QAM	75	0	16.18	16.17	16.16	
15	256QAM	1	0	14.07	13.81	13.80	15
15	256QAM	1	37	13.85	13.83	13.90	
15	256QAM	1	74	13.86	13.92	13.81	
15	256QAM	36	0	14.05	13.92	13.78	15



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15	256QAM	36	20	14.03	13.78	13.66	
15	256QAM	36	39	13.95	13.86	13.59	
15	256QAM	75	0	13.97	13.77	13.67	
Channel				37800	38000	38200	Tune-up limit(dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	19.39	19.32	19.25	20
10	QPSK	1	25	19.08	19.16	19.10	
10	QPSK	1	49	19.17	19.16	18.97	
10	QPSK	25	0	18.28	18.35	18.12	19
10	QPSK	25	12	18.31	18.35	18.23	
10	QPSK	25	25	18.20	18.23	18.07	
10	QPSK	50	0	18.26	18.26	18.23	19
10	16QAM	1	0	18.34	18.43	18.03	
10	16QAM	1	25	18.45	18.24	18.14	
10	16QAM	1	49	18.57	18.06	18.10	18
10	16QAM	25	0	17.50	17.34	17.24	
10	16QAM	25	12	17.37	17.29	17.38	
10	16QAM	25	25	17.19	17.20	17.17	18
10	16QAM	50	0	17.41	17.17	17.22	
10	64QAM	1	0	17.39	16.81	17.02	
10	64QAM	1	25	16.99	17.12	17.24	18
10	64QAM	1	49	17.36	17.10	16.83	
10	64QAM	25	0	16.48	16.33	16.12	
10	64QAM	25	12	16.38	16.33	16.25	17
10	64QAM	25	25	16.38	16.32	16.29	
10	64QAM	50	0	16.25	16.21	16.16	
10	256QAM	1	0	14.06	13.80	13.69	15
10	256QAM	1	25	13.88	13.93	13.91	
10	256QAM	1	49	13.89	13.77	13.67	
10	256QAM	25	0	13.96	13.93	13.96	15
10	256QAM	25	12	14.05	13.82	13.77	
10	256QAM	25	25	14.01	14.00	13.75	
10	256QAM	50	0	13.99	13.72	13.68	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	19.29	19.34	19.30	20
5	QPSK	1	12	19.28	19.17	19.11	
5	QPSK	1	24	19.29	19.07	18.97	
5	QPSK	12	0	18.39	18.40	18.10	19
5	QPSK	12	7	18.40	18.36	18.33	
5	QPSK	12	13	18.16	18.24	18.05	
5	QPSK	25	0	18.28	18.42	18.26	19
5	16QAM	1	0	18.25	18.39	17.98	
5	16QAM	1	12	18.55	18.18	18.23	
5	16QAM	1	24	18.60	17.98	17.97	18
5	16QAM	12	0	17.49	17.27	17.09	
5	16QAM	12	7	17.41	17.28	17.24	
5	16QAM	12	13	17.20	17.24	17.33	18
5	16QAM	25	0	17.32	17.24	17.18	
5	64QAM	1	0	17.43	16.79	17.17	
5	64QAM	1	12	17.05	17.05	17.13	18
5	64QAM	1	24	17.51	17.10	16.81	
5	64QAM	12	0	16.39	16.32	16.09	
5	64QAM	12	7	16.31	16.31	16.29	17
5	64QAM	12	13	16.34	16.16	16.19	
5	64QAM	25	0	16.33	16.29	16.01	
5	256QAM	1	0	14.05	13.85	13.81	15
5	256QAM	1	12	13.96	13.84	13.83	
5	256QAM	1	24	13.84	13.95	13.69	
5	256QAM	12	0	14.08	13.91	13.83	15
5	256QAM	12	7	13.97	13.74	13.63	
5	256QAM	12	13	14.06	13.87	13.66	
5	256QAM	25	0	14.06	13.76	13.82	



<LTE Band 38\_Ant 0\_Sensor ON\_NB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	18.72	18.74	18.55	19
20	QPSK	1	49	18.49	18.57	18.51	
20	QPSK	1	99	18.23	18.18	18.14	
20	QPSK	50	0	18.32	18.42	18.38	19
20	QPSK	50	24	18.16	18.38	18.21	
20	QPSK	50	50	18.29	18.32	18.22	
20	QPSK	100	0	18.27	18.41	18.36	19
20	16QAM	1	0	18.60	18.49	18.54	
20	16QAM	1	49	18.32	18.31	18.50	
20	16QAM	1	99	18.26	18.06	18.13	19
20	16QAM	50	0	18.31	18.33	18.20	
20	16QAM	50	24	18.29	18.26	18.16	
20	16QAM	50	50	18.24	18.20	18.24	19
20	16QAM	100	0	18.40	18.29	18.24	
20	64QAM	1	0	18.59	18.54	18.47	
20	64QAM	1	49	18.40	18.42	18.25	19
20	64QAM	1	99	18.14	18.18	18.14	
20	64QAM	50	0	18.16	18.34	18.23	
20	64QAM	50	24	18.09	18.17	18.18	19
20	64QAM	50	50	18.08	18.18	18.07	
20	64QAM	100	0	18.35	18.46	18.22	
20	256QAM	1	0	18.50	18.58	18.55	19
20	256QAM	1	49	18.35	18.45	18.42	
20	256QAM	1	99	18.10	18.18	18.11	
20	256QAM	50	0	18.20	18.28	18.11	19
20	256QAM	50	24	18.09	18.00	18.25	
20	256QAM	50	50	18.09	18.24	18.18	
20	256QAM	100	0	18.22	18.35	18.27	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	18.52	18.67	18.35	19
15	QPSK	1	37	18.41	18.52	18.38	
15	QPSK	1	74	18.06	18.00	18.10	
15	QPSK	36	0	18.27	18.22	18.38	19
15	QPSK	36	20	18.09	18.29	18.14	
15	QPSK	36	39	18.24	18.13	18.08	
15	QPSK	75	0	18.21	18.14	18.21	19
15	16QAM	1	0	18.53	18.46	18.44	
15	16QAM	1	37	18.24	18.24	18.39	
15	16QAM	1	74	18.21	17.90	18.07	19
15	16QAM	36	0	18.17	18.22	18.07	
15	16QAM	36	20	18.09	18.22	18.06	
15	16QAM	36	39	18.19	18.14	18.23	19
15	16QAM	75	0	18.35	18.13	18.07	
15	64QAM	1	0	18.41	18.49	18.30	
15	64QAM	1	37	18.39	18.29	18.20	19
15	64QAM	1	74	18.05	18.17	18.09	
15	64QAM	36	0	18.01	18.33	18.07	
15	64QAM	36	20	18.08	17.98	18.06	19
15	64QAM	36	39	18.08	18.05	18.02	
15	64QAM	75	0	18.17	18.32	18.03	
15	256QAM	1	0	18.37	18.50	18.38	19
15	256QAM	1	37	18.18	18.45	18.41	
15	256QAM	1	74	17.93	18.17	17.96	
15	256QAM	36	0	18.15	18.21	17.96	19



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15	256QAM	36	20	17.92	17.88	18.09		
15	256QAM	36	39	17.90	18.05	18.09		
15	256QAM	75	0	18.10	18.19	18.10		
Channel				37800	38000	38200	Tune-up limit(dBm)	
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	18.55	18.72	18.48	19	
10	QPSK	1	25	18.31	18.51	18.48		
10	QPSK	1	49	18.13	17.99	18.13		
10	QPSK	25	0	18.21	18.16	18.26	19	
10	QPSK	25	12	18.12	18.28	18.12		
10	QPSK	25	25	18.19	18.22	18.15		
10	QPSK	50	0	18.08	18.30	18.21	19	
10	16QAM	1	0	18.45	18.41	18.37		
10	16QAM	1	25	18.15	18.28	18.37		
10	16QAM	1	49	18.10	18.05	18.08	19	
10	16QAM	25	0	18.11	18.30	18.14		
10	16QAM	25	12	18.20	18.11	18.14		
10	16QAM	25	25	18.24	18.20	18.06	19	
10	16QAM	50	0	18.35	18.14	18.06		
10	64QAM	1	0	18.55	18.43	18.45		
10	64QAM	1	25	18.25	18.23	18.08	19	
10	64QAM	1	49	18.08	18.00	18.08		
10	64QAM	25	0	18.16	18.16	18.12		
10	64QAM	25	12	17.91	18.02	18.04	19	
10	64QAM	25	25	17.90	18.07	18.01		
10	64QAM	50	0	18.15	18.42	18.17		
10	256QAM	1	0	18.48	18.56	18.41	19	
10	256QAM	1	25	18.29	18.45	18.26		
10	256QAM	1	49	17.98	18.02	18.00		
10	256QAM	25	0	18.20	18.15	17.96	19	
10	256QAM	25	12	17.91	17.97	18.18		
10	256QAM	25	25	17.94	18.24	18.14		
10	256QAM	50	0	18.18	18.19	18.25	19	
Channel				37775	38000	38225		Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	18.53	18.59	18.45	19	
5	QPSK	1	12	18.33	18.55	18.46		
5	QPSK	1	24	18.04	18.17	18.03		
5	QPSK	12	0	18.18	18.32	18.28	19	
5	QPSK	12	7	18.07	18.32	18.10		
5	QPSK	12	13	18.11	18.32	18.11		
5	QPSK	25	0	18.21	18.19	18.28	19	
5	16QAM	1	0	18.51	18.33	18.42		
5	16QAM	1	12	18.15	18.28	18.34		
5	16QAM	1	24	18.20	17.88	18.01	19	
5	16QAM	12	0	18.18	18.18	18.08		
5	16QAM	12	7	18.26	18.25	18.06		
5	16QAM	12	13	18.24	18.08	18.12	19	
5	16QAM	25	0	18.40	18.13	18.10		
5	64QAM	1	0	18.41	18.54	18.27		
5	64QAM	1	12	18.39	18.38	18.24	19	
5	64QAM	1	24	18.06	18.15	17.97		
5	64QAM	12	0	18.11	18.14	18.21		
5	64QAM	12	7	17.94	18.14	17.99	19	
5	64QAM	12	13	18.07	18.15	17.87		
5	64QAM	25	0	18.19	18.43	18.10		
5	256QAM	1	0	18.32	18.40	18.47	19	
5	256QAM	1	12	18.35	18.36	18.22		
5	256QAM	1	24	18.07	18.18	17.95		
5	256QAM	12	0	18.05	18.13	18.06	19	
5	256QAM	12	7	18.08	17.86	18.05		
5	256QAM	12	13	18.02	18.17	17.98		
5	256QAM	25	0	18.19	18.15	18.19		





<LTE Band 38\_Ant 0\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	17.18	17.23	17.08	17.5
20	QPSK	1	49	16.97	17.18	17.06	
20	QPSK	1	99	16.98	17.22	17.05	
20	QPSK	50	0	16.13	16.33	16.16	16.5
20	QPSK	50	24	16.11	16.27	16.21	
20	QPSK	50	50	16.09	16.19	16.12	
20	QPSK	100	0	16.11	16.25	16.18	16.5
20	16QAM	1	0	16.43	16.44	16.40	
20	16QAM	1	49	16.37	16.38	16.48	
20	16QAM	1	99	16.29	16.47	16.36	16.5
20	16QAM	50	0	15.12	15.28	15.10	
20	16QAM	50	24	15.11	15.19	15.14	
20	16QAM	50	50	15.01	15.19	15.09	15.5
20	16QAM	100	0	15.09	15.11	15.28	
20	64QAM	1	0	14.85	15.49	15.34	
20	64QAM	1	49	15.17	15.40	15.19	15.5
20	64QAM	1	99	15.41	15.29	15.26	
20	64QAM	50	0	14.11	14.35	14.23	
20	64QAM	50	24	14.18	14.29	14.13	14.5
20	64QAM	50	50	13.95	14.23	14.15	
20	64QAM	100	0	14.17	14.18	14.15	
20	256QAM	1	0	12.09	12.20	12.03	12.5
20	256QAM	1	49	11.79	12.12	12.01	
20	256QAM	1	99	12.15	12.10	12.06	
20	256QAM	50	0	12.13	12.12	11.98	12.5
20	256QAM	50	24	12.00	12.28	12.06	
20	256QAM	50	50	11.75	12.07	12.02	
20	256QAM	100	0	12.10	12.04	12.00	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	17.02	17.19	16.98	17.5
15	QPSK	1	37	16.77	17.03	16.91	
15	QPSK	1	74	16.97	17.18	16.92	
15	QPSK	36	0	15.98	16.28	16.05	16.5
15	QPSK	36	20	16.05	16.18	16.10	
15	QPSK	36	39	16.04	16.15	16.07	
15	QPSK	75	0	15.95	16.21	16.15	16.5
15	16QAM	1	0	16.25	16.36	16.29	
15	16QAM	1	37	16.27	16.28	16.41	
15	16QAM	1	74	16.28	16.44	16.19	15.5
15	16QAM	36	0	14.99	15.28	15.10	
15	16QAM	36	20	14.96	15.06	15.13	
15	16QAM	36	39	14.84	15.00	15.06	15.5
15	16QAM	75	0	15.06	15.07	15.18	
15	64QAM	1	0	14.79	15.36	15.21	
15	64QAM	1	37	15.17	15.26	15.06	15.5
15	64QAM	1	74	15.26	15.13	15.23	
15	64QAM	36	0	13.99	14.19	14.08	
15	64QAM	36	20	14.13	14.14	14.00	14.5
15	64QAM	36	39	13.91	14.08	14.01	
15	64QAM	75	0	14.08	14.03	14.07	
15	256QAM	1	0	12.08	12.07	11.95	12.5
15	256QAM	1	37	11.70	11.97	11.85	
15	256QAM	1	74	12.05	12.07	11.86	
15	256QAM	36	0	11.96	11.95	11.95	12.5



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Channel	Frequency (MHz)	Modulation	Power (dBm)	Power (dBm)	Power (dBm)	Tune-up limit (dBm)	
15	256QAM	36	20	12.00	12.25	11.93	
15	256QAM	36	39	11.75	11.92	11.92	
15	256QAM	75	0	12.04	11.99	11.91	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	17.10	17.38	17.01	17.5
10	QPSK	1	25	16.94	17.00	16.89	
10	QPSK	1	49	16.97	17.05	16.95	
10	QPSK	25	0	15.94	16.16	16.11	16.5
10	QPSK	25	12	16.09	16.27	16.13	
10	QPSK	25	25	15.93	15.99	16.10	
10	QPSK	50	0	15.95	16.14	16.14	16.5
10	16QAM	1	0	16.34	16.32	16.26	
10	16QAM	1	25	16.26	16.24	16.36	
10	16QAM	1	49	16.24	16.42	16.23	16.5
10	16QAM	25	0	15.03	15.22	15.03	
10	16QAM	25	12	15.09	15.15	15.02	
10	16QAM	25	25	14.93	15.13	14.91	15.5
10	16QAM	50	0	14.95	15.00	15.18	
10	64QAM	1	0	14.81	15.29	15.28	
10	64QAM	1	25	15.16	15.36	15.18	15.5
10	64QAM	1	49	15.37	15.29	15.07	
10	64QAM	25	0	13.97	14.28	14.21	
10	64QAM	25	12	14.01	14.25	14.10	14.5
10	64QAM	25	25	13.94	14.12	14.04	
10	64QAM	50	0	14.14	14.10	14.12	
10	256QAM	1	0	11.97	12.01	11.96	12.5
10	256QAM	1	25	11.68	12.00	11.97	
10	256QAM	1	49	12.14	12.04	11.96	
10	256QAM	25	0	12.05	12.10	11.91	12.5
10	256QAM	25	12	11.90	12.10	12.06	
10	256QAM	25	25	11.66	11.96	11.96	
10	256QAM	50	0	11.91	11.93	11.86	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	16.98	17.32	16.98	17.5
5	QPSK	1	12	16.84	17.17	16.95	
5	QPSK	1	24	16.87	17.07	16.93	
5	QPSK	12	0	15.95	16.14	16.06	16.5
5	QPSK	12	7	15.95	16.24	16.12	
5	QPSK	12	13	16.09	16.11	16.06	
5	QPSK	25	0	15.93	16.16	16.16	16.5
5	16QAM	1	0	16.42	16.29	16.40	
5	16QAM	1	12	16.21	16.38	16.29	
5	16QAM	1	24	16.16	16.34	16.17	16.5
5	16QAM	12	0	15.06	15.17	14.94	
5	16QAM	12	7	15.01	14.99	15.10	
5	16QAM	12	13	14.94	15.06	14.96	15.5
5	16QAM	25	0	14.95	15.01	15.23	
5	64QAM	1	0	14.78	15.34	15.21	
5	64QAM	1	12	14.99	15.25	14.99	15.5
5	64QAM	1	24	15.40	15.27	15.14	
5	64QAM	12	0	14.11	14.26	14.14	
5	64QAM	12	7	14.18	14.21	14.10	14.5
5	64QAM	12	13	13.77	14.07	13.97	
5	64QAM	25	0	14.07	14.03	14.00	
5	256QAM	1	0	11.98	12.05	11.90	12.5
5	256QAM	1	12	11.62	12.12	11.82	
5	256QAM	1	24	12.04	12.03	12.03	
5	256QAM	12	0	11.97	12.07	11.79	12.5
5	256QAM	12	7	11.86	12.15	12.00	
5	256QAM	12	13	11.69	11.93	11.91	
5	256QAM	25	0	11.94	11.89	11.88	



<LTE Band 38\_Ant 2\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	16.20	16.18	16.08	16.5
20	QPSK	1	49	16.05	15.91	15.91	
20	QPSK	1	99	16.18	16.06	16.01	
20	QPSK	50	0	16.18	16.04	15.99	16.5
20	QPSK	50	24	16.15	16.01	15.91	
20	QPSK	50	50	16.16	16.02	16.07	
20	QPSK	100	0	16.19	16.14	15.96	16.5
20	16QAM	1	0	16.07	15.92	15.96	
20	16QAM	1	49	15.93	16.01	15.72	
20	16QAM	1	99	16.09	15.94	15.90	16.5
20	16QAM	50	0	16.00	15.83	16.00	
20	16QAM	50	24	15.85	15.75	15.76	
20	16QAM	50	50	15.97	15.84	15.85	16.5
20	16QAM	100	0	16.15	15.94	15.73	
20	64QAM	1	0	16.06	15.96	15.91	
20	64QAM	1	49	16.00	15.97	15.97	16.5
20	64QAM	1	99	16.12	15.97	15.96	
20	64QAM	50	0	16.04	16.12	15.94	
20	64QAM	50	24	15.85	15.92	15.88	16.5
20	64QAM	50	50	16.09	15.97	15.93	
20	64QAM	100	0	15.96	15.93	15.71	
20	256QAM	1	0	16.04	16.04	16.04	16.5
20	256QAM	1	49	15.96	15.85	15.93	
20	256QAM	1	99	15.99	16.02	15.90	
20	256QAM	50	0	16.12	15.86	16.06	16.5
20	256QAM	50	24	16.12	15.78	15.96	
20	256QAM	50	50	15.87	15.98	15.90	
20	256QAM	100	0	16.17	16.07	15.82	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	16.07	16.02	15.99	16.5
15	QPSK	1	37	15.87	15.79	15.71	
15	QPSK	1	74	16.08	15.96	15.93	
15	QPSK	36	0	16.16	15.85	15.98	16.5
15	QPSK	36	20	16.03	15.94	15.76	
15	QPSK	36	39	15.97	15.99	15.93	
15	QPSK	75	0	16.05	15.96	15.87	16.5
15	16QAM	1	0	16.03	15.92	15.78	
15	16QAM	1	37	15.77	16.00	15.54	
15	16QAM	1	74	15.98	15.80	15.81	16.5
15	16QAM	36	0	15.89	15.66	15.89	
15	16QAM	36	20	15.76	15.69	15.66	
15	16QAM	36	39	15.87	15.70	15.71	16.5
15	16QAM	75	0	16.06	15.94	15.73	
15	64QAM	1	0	16.00	15.86	15.80	
15	64QAM	1	37	16.00	15.90	15.96	16.5
15	64QAM	1	74	16.02	15.91	15.92	
15	64QAM	36	0	16.03	16.09	15.89	
15	64QAM	36	20	15.69	15.73	15.88	16.5
15	64QAM	36	39	15.93	15.81	15.73	
15	64QAM	75	0	15.84	15.86	15.59	
15	256QAM	1	0	15.86	15.99	15.88	16.5
15	256QAM	1	37	15.81	15.82	15.89	
15	256QAM	1	74	15.84	15.94	15.75	
15	256QAM	36	0	16.04	15.69	15.94	16.5



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Channel	Frequency (MHz)	37800	38000	38200	Tune-up limit(dBm)	
15	256QAM	36	20	16.09	15.77	15.94
15	256QAM	36	39	15.77	15.81	15.79
15	256QAM	75	0	16.04	15.90	15.67
Channel	Frequency (MHz)	37800	38000	38200	Tune-up limit(dBm)	
10	QPSK	1	0	16.17	16.13	16.00
10	QPSK	1	25	15.97	15.78	15.86
10	QPSK	1	49	16.06	15.97	15.90
10	QPSK	25	0	16.10	16.04	15.88
10	QPSK	25	12	16.01	15.83	15.76
10	QPSK	25	25	16.08	15.90	15.98
10	QPSK	50	0	15.99	16.14	15.96
10	16QAM	1	0	16.03	15.84	15.86
10	16QAM	1	25	15.91	15.85	15.69
10	16QAM	1	49	15.89	15.85	15.71
10	16QAM	25	0	15.98	15.69	15.88
10	16QAM	25	12	15.67	15.57	15.73
10	16QAM	25	25	15.88	15.74	15.83
10	16QAM	50	0	16.11	15.83	15.65
10	64QAM	1	0	15.89	15.82	15.71
10	64QAM	1	25	15.93	15.91	15.81
10	64QAM	1	49	16.06	15.81	15.80
10	64QAM	25	0	15.98	15.98	15.77
10	64QAM	25	12	15.68	15.92	15.81
10	64QAM	25	25	16.00	15.96	15.75
10	64QAM	50	0	15.85	15.89	15.65
10	256QAM	1	0	15.97	15.94	16.02
10	256QAM	1	25	15.90	15.76	15.93
10	256QAM	1	49	15.91	15.97	15.86
10	256QAM	25	0	15.94	15.78	15.93
10	256QAM	25	12	15.96	15.66	15.77
10	256QAM	25	25	15.74	15.91	15.76
10	256QAM	50	0	16.11	15.90	15.71
Channel	Frequency (MHz)	37775	38000	38225	Tune-up limit (dBm)	
5	QPSK	1	0	16.18	16.01	15.92
5	QPSK	1	12	15.92	15.85	15.78
5	QPSK	1	24	16.18	16.03	15.97
5	QPSK	12	0	16.11	15.84	15.83
5	QPSK	12	7	16.11	15.96	15.89
5	QPSK	12	13	16.13	15.83	16.04
5	QPSK	25	0	16.02	16.08	15.89
5	16QAM	1	0	15.93	15.78	15.86
5	16QAM	1	12	15.80	15.84	15.70
5	16QAM	1	24	16.09	15.85	15.89
5	16QAM	12	0	15.84	15.78	15.85
5	16QAM	12	7	15.78	15.58	15.60
5	16QAM	12	13	15.85	15.69	15.83
5	16QAM	25	0	16.00	15.92	15.56
5	64QAM	1	0	15.96	15.93	15.89
5	64QAM	1	12	15.96	15.90	15.82
5	64QAM	1	24	16.01	15.84	15.82
5	64QAM	12	0	15.94	16.04	15.78
5	64QAM	12	7	15.80	15.76	15.75
5	64QAM	12	13	16.02	15.79	15.74
5	64QAM	25	0	15.84	15.87	15.69
5	256QAM	1	0	15.93	15.85	16.03
5	256QAM	1	12	15.83	15.80	15.83
5	256QAM	1	24	15.99	15.98	15.90
5	256QAM	12	0	15.98	15.72	15.94
5	256QAM	12	7	15.93	15.76	15.94
5	256QAM	12	13	15.69	15.88	15.87
5	256QAM	25	0	15.97	16.06	15.64



<LTE Band 41\_Ant 0\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	22.98	23.03	23.23	22.66	22.73	24
20	QPSK	1	49	22.90	23.06	22.99	22.60	22.72	
20	QPSK	1	99	22.87	22.97	23.04	22.65	22.70	
20	QPSK	50	0	21.99	22.12	22.21	21.76	21.78	23
20	QPSK	50	24	21.97	22.19	22.19	21.75	21.77	
20	QPSK	50	50	21.98	22.11	22.12	21.75	21.83	
20	QPSK	100	0	21.94	22.10	22.15	21.74	21.81	23
20	16QAM	1	0	21.78	21.75	22.08	21.69	21.78	
20	16QAM	1	49	21.74	21.99	22.12	21.60	21.55	
20	16QAM	1	99	21.89	21.87	22.24	21.70	21.58	22
20	16QAM	50	0	20.78	20.94	21.03	20.64	20.72	
20	16QAM	50	24	20.97	21.09	21.18	20.69	20.74	
20	16QAM	50	50	20.96	21.21	21.25	20.66	20.74	22
20	16QAM	100	0	20.88	21.12	21.19	20.68	20.76	
20	64QAM	1	0	20.40	21.09	21.13	20.22	20.46	
20	64QAM	1	49	20.78	20.60	21.21	20.37	20.48	22
20	64QAM	1	99	20.95	21.05	20.97	20.65	20.39	
20	64QAM	50	0	19.90	19.97	20.14	19.64	19.73	
20	64QAM	50	24	20.06	19.99	20.13	19.71	19.79	21
20	64QAM	50	50	19.90	20.08	20.23	19.72	19.79	
20	64QAM	100	0	19.96	20.04	20.16	19.64	19.84	
20	256QAM	1	0	17.99	18.62	18.66	17.74	18.05	19
20	256QAM	1	49	18.33	18.11	18.76	17.96	18.08	
20	256QAM	1	99	18.51	18.56	18.53	18.18	17.90	
20	256QAM	50	0	17.40	17.56	17.64	17.16	17.28	19
20	256QAM	50	24	17.57	17.56	17.64	17.25	17.37	
20	256QAM	50	50	17.47	17.64	17.79	17.29	17.34	
20	256QAM	100	0	17.55	17.62	17.72	17.22	17.40	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	22.77	22.89	23.02	22.56	22.51	24.00
15	QPSK	1	37	22.84	22.88	22.94	22.60	22.59	
15	QPSK	1	74	22.76	22.81	22.90	22.59	22.85	
15	QPSK	36	0	21.73	21.92	22.04	21.51	21.54	23
15	QPSK	36	20	21.86	22.16	22.11	21.65	21.64	
15	QPSK	36	39	21.96	22.05	21.95	21.63	21.69	
15	QPSK	75	0	21.87	21.93	22.04	21.66	21.61	23
15	16QAM	1	0	21.70	21.70	21.98	21.64	21.72	
15	16QAM	1	37	21.64	21.85	22.05	21.45	21.55	
15	16QAM	1	74	21.79	21.73	22.08	21.52	21.50	22
15	16QAM	36	0	20.75	20.87	20.93	20.48	20.65	
15	16QAM	36	20	20.94	21.08	21.06	20.55	20.72	
15	16QAM	36	39	20.86	21.21	21.15	20.61	20.56	22
15	16QAM	75	0	20.70	21.05	21.03	20.65	20.71	
15	64QAM	1	0	20.36	20.99	21.11	20.21	20.39	
15	64QAM	1	37	20.60	20.47	21.07	20.20	20.43	22
15	64QAM	1	74	20.91	20.90	20.85	20.61	20.39	
15	64QAM	36	0	19.82	19.77	20.05	19.46	19.71	
15	64QAM	36	20	20.04	19.83	20.02	19.58	19.74	21
15	64QAM	36	39	19.71	19.89	20.19	19.67	19.63	
15	64QAM	75	0	19.88	19.95	20.05	19.50	19.73	
15	256QAM	1	0	17.93	18.56	18.66	17.68	17.99	19
15	256QAM	1	37	18.28	17.97	18.76	17.85	17.93	
15	256QAM	1	74	18.38	18.42	18.47	18.06	17.80	
15	256QAM	36	0	17.20	17.37	17.48	17.08	17.22	19



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15	256QAM	36	20	17.43	17.45	17.60	17.11	17.37	
15	256QAM	36	39	17.44	17.64	17.69	17.15	17.18	
15	256QAM	75	0	17.54	17.55	17.54	17.08	17.33	
Channel				39700	40160	40620	41080	41540	Tune-up limit(dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	22.61	22.77	22.96	22.51	22.43	24.00
10	QPSK	1	25	22.72	22.88	22.88	22.52	22.59	
10	QPSK	1	49	22.78	22.79	23.04	22.60	22.76	
10	QPSK	25	0	21.74	21.88	22.02	21.49	21.56	23
10	QPSK	25	12	21.88	22.05	22.02	21.63	21.77	
10	QPSK	25	25	21.95	21.97	21.97	21.70	21.77	
10	QPSK	50	0	21.87	21.98	21.99	21.64	21.64	23
10	16QAM	1	0	21.73	21.62	21.98	21.59	21.60	
10	16QAM	1	25	21.59	21.98	21.93	21.40	21.44	
10	16QAM	1	49	21.69	21.82	22.14	21.64	21.49	22
10	16QAM	25	0	20.61	20.74	20.98	20.52	20.55	
10	16QAM	25	12	20.85	21.02	21.13	20.51	20.59	
10	16QAM	25	25	20.89	21.04	21.25	20.64	20.62	22
10	16QAM	50	0	20.86	20.93	21.17	20.68	20.74	
10	64QAM	1	0	20.37	20.92	20.95	20.03	20.44	
10	64QAM	1	25	20.70	20.41	21.02	20.22	20.42	21
10	64QAM	1	49	20.92	20.91	20.97	20.56	20.21	
10	64QAM	25	0	19.85	19.86	20.11	19.50	19.70	
10	64QAM	25	12	20.03	19.89	20.13	19.62	19.72	19
10	64QAM	25	25	19.83	20.05	20.17	19.68	19.63	
10	64QAM	50	0	19.82	19.87	20.08	19.46	19.77	
10	256QAM	1	0	17.82	18.50	18.58	17.65	18.02	19
10	256QAM	1	25	18.26	17.93	18.71	17.76	17.90	
10	256QAM	1	49	18.50	18.44	18.46	18.02	17.73	
10	256QAM	25	0	17.38	17.36	17.50	17.16	17.14	19
10	256QAM	25	12	17.53	17.51	17.60	17.05	17.34	
10	256QAM	25	25	17.39	17.44	17.61	17.14	17.24	
10	256QAM	50	0	17.51	17.61	17.64	17.16	17.21	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	22.72	22.86	23.07	22.63	22.51	24.00
5	QPSK	1	12	22.77	23.06	22.95	22.43	22.57	
5	QPSK	1	24	22.76	22.96	22.91	22.53	22.71	
5	QPSK	12	0	21.84	21.91	22.03	21.52	21.73	23
5	QPSK	12	7	21.88	21.99	22.14	21.64	21.58	
5	QPSK	12	13	21.83	22.02	21.92	21.61	21.72	
5	QPSK	25	0	21.89	22.03	21.86	21.63	21.68	23
5	16QAM	1	0	21.62	21.74	22.03	21.69	21.68	
5	16QAM	1	12	21.60	21.83	21.96	21.43	21.47	
5	16QAM	1	24	21.84	21.85	22.11	21.58	21.48	22
5	16QAM	12	0	20.61	20.81	20.92	20.56	20.63	
5	16QAM	12	7	20.81	20.93	21.02	20.51	20.54	
5	16QAM	12	13	20.82	21.12	21.15	20.53	20.63	22
5	16QAM	25	0	20.76	21.01	21.12	20.52	20.59	
5	64QAM	1	0	20.37	21.01	20.97	20.12	20.27	
5	64QAM	1	12	20.74	20.47	21.19	20.24	20.32	21
5	64QAM	1	24	20.94	20.97	20.85	20.45	20.38	
5	64QAM	12	0	19.80	19.78	20.12	19.61	19.69	
5	64QAM	12	7	19.95	19.98	20.07	19.60	19.70	19
5	64QAM	12	13	19.77	20.04	20.13	19.52	19.76	
5	64QAM	25	0	19.85	19.84	20.07	19.57	19.74	
5	256QAM	1	0	17.91	18.46	18.47	17.59	17.88	19
5	256QAM	1	12	18.13	18.04	18.59	17.89	18.00	
5	256QAM	1	24	18.32	18.47	18.46	18.18	17.88	
5	256QAM	12	0	17.22	17.49	17.51	17.10	17.15	19
5	256QAM	12	7	17.37	17.50	17.51	17.15	17.23	
5	256QAM	12	13	17.44	17.53	17.66	17.19	17.25	
5	256QAM	25	0	17.48	17.42	17.52	17.02	17.27	



<LTE Band 41\_Ant 2\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	23.16	23.28	23.42	23.11	23.04	24
20	QPSK	1	49	23.10	23.24	23.38	23.07	23.01	
20	QPSK	1	99	22.94	23.08	23.22	22.92	22.85	
20	QPSK	50	0	22.41	22.54	22.68	22.38	22.32	23
20	QPSK	50	24	22.35	22.48	22.62	22.32	22.26	
20	QPSK	50	50	22.37	22.50	22.64	22.34	22.28	
20	QPSK	100	0	22.38	22.51	22.65	22.35	22.29	23
20	16QAM	1	0	22.42	22.55	22.69	22.39	22.33	
20	16QAM	1	49	22.32	22.45	22.59	22.30	22.23	
20	16QAM	1	99	22.34	22.47	22.61	22.31	22.25	22
20	16QAM	50	0	21.51	21.64	21.77	21.49	21.42	
20	16QAM	50	24	21.45	21.58	21.71	21.43	21.36	
20	16QAM	50	50	21.24	21.37	21.50	21.22	21.16	22
20	16QAM	100	0	21.38	21.51	21.64	21.36	21.29	
20	64QAM	1	0	21.38	21.51	21.64	21.36	21.29	
20	64QAM	1	49	21.36	21.49	21.62	21.34	21.27	22
20	64QAM	1	99	21.33	21.46	21.59	21.31	21.25	
20	64QAM	50	0	20.44	20.56	20.69	20.42	20.36	
20	64QAM	50	24	20.39	20.51	20.64	20.37	20.31	21
20	64QAM	50	50	20.35	20.47	20.60	20.33	20.27	
20	64QAM	100	0	20.41	20.53	20.66	20.39	20.33	
20	256QAM	1	0	18.54	18.65	18.77	18.52	18.47	19
20	256QAM	1	49	18.51	18.62	18.74	18.49	18.44	
20	256QAM	1	99	18.45	18.56	18.68	18.44	18.38	
20	256QAM	50	0	18.51	18.62	18.74	18.49	18.44	19
20	256QAM	50	24	18.41	18.52	18.64	18.40	18.34	
20	256QAM	50	50	18.42	18.53	18.65	18.41	18.35	
20	256QAM	100	0	18.47	18.58	18.70	18.46	18.40	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	22.99	23.16	23.24	22.96	22.89	24.00
15	QPSK	1	37	22.96	23.11	23.28	23.05	22.95	
15	QPSK	1	74	22.85	23.04	23.14	22.91	22.67	
15	QPSK	36	0	22.22	22.45	22.67	22.22	22.14	23
15	QPSK	36	20	22.26	22.39	22.42	22.27	22.21	
15	QPSK	36	39	22.37	22.36	22.60	22.15	22.15	
15	QPSK	75	0	22.26	22.33	22.63	22.24	22.09	23
15	16QAM	1	0	22.36	22.55	22.57	22.35	22.24	
15	16QAM	1	37	22.21	22.35	22.57	22.13	22.05	
15	16QAM	1	74	22.25	22.31	22.54	22.30	22.11	22
15	16QAM	36	0	21.45	21.48	21.69	21.43	21.22	
15	16QAM	36	20	21.37	21.40	21.66	21.43	21.23	
15	16QAM	36	39	21.07	21.29	21.46	21.14	21.12	22
15	16QAM	75	0	21.31	21.48	21.51	21.17	21.25	
15	64QAM	1	0	21.38	21.43	21.57	21.34	21.26	
15	64QAM	1	37	21.26	21.30	21.59	21.23	21.12	22
15	64QAM	1	74	21.31	21.38	21.39	21.21	21.24	
15	64QAM	36	0	20.33	20.42	20.64	20.27	20.36	
15	64QAM	36	20	20.37	20.39	20.55	20.27	20.28	21
15	64QAM	36	39	20.29	20.36	20.51	20.15	20.18	
15	64QAM	75	0	20.41	20.49	20.64	20.30	20.22	
15	256QAM	1	0	18.38	18.50	18.63	18.32	18.31	19
15	256QAM	1	37	18.33	18.43	18.68	18.30	18.33	
15	256QAM	1	74	18.30	18.46	18.67	18.34	18.34	
15	256QAM	36	0	18.33	18.58	18.67	18.46	18.24	19



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15	256QAM	36	20	18.21	18.48	18.60	18.34	18.30	
15	256QAM	36	39	18.41	18.40	18.53	18.37	18.21	
15	256QAM	75	0	18.42	18.51	18.59	18.28	18.32	
Channel				39700	40160	40620	41080	41540	Tune-up limit(dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	23.00	23.25	23.24	23.02	22.87	24.00
10	QPSK	1	25	23.01	23.08	23.38	22.87	22.87	
10	QPSK	1	49	22.76	23.00	23.07	22.83	22.75	
10	QPSK	25	0	22.30	22.40	22.59	22.27	22.12	23
10	QPSK	25	12	22.23	22.45	22.45	22.23	22.07	
10	QPSK	25	25	22.23	22.46	22.54	22.24	22.18	
10	QPSK	50	0	22.30	22.36	22.47	22.32	22.27	23
10	16QAM	1	0	22.32	22.47	22.64	22.39	22.32	
10	16QAM	1	25	22.19	22.28	22.50	22.21	22.06	
10	16QAM	1	49	22.18	22.40	22.45	22.28	22.20	22
10	16QAM	25	0	21.31	21.49	21.77	21.44	21.42	
10	16QAM	25	12	21.35	21.58	21.63	21.38	21.27	
10	16QAM	25	25	21.12	21.34	21.48	21.04	20.97	22
10	16QAM	50	0	21.34	21.50	21.49	21.28	21.12	
10	64QAM	1	0	21.35	21.31	21.55	21.21	21.09	
10	64QAM	1	25	21.34	21.38	21.61	21.29	21.14	21
10	64QAM	1	49	21.24	21.42	21.57	21.31	21.17	
10	64QAM	25	0	20.41	20.56	20.55	20.24	20.17	
10	64QAM	25	12	20.26	20.32	20.45	20.34	20.20	19
10	64QAM	25	25	20.16	20.44	20.57	20.20	20.24	
10	64QAM	50	0	20.22	20.35	20.59	20.32	20.19	
10	256QAM	1	0	18.50	18.52	18.74	18.51	18.38	19
10	256QAM	1	25	18.40	18.45	18.69	18.36	18.26	
10	256QAM	1	49	18.31	18.52	18.60	18.36	18.25	
10	256QAM	25	0	18.44	18.46	18.73	18.31	18.25	19
10	256QAM	25	12	18.32	18.46	18.64	18.29	18.24	
10	256QAM	25	25	18.32	18.35	18.65	18.34	18.34	
10	256QAM	50	0	18.40	18.41	18.69	18.26	18.39	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	23.09	23.18	23.41	23.05	23.02	24.00
5	QPSK	1	12	23.10	23.06	23.32	23.06	22.95	
5	QPSK	1	24	22.82	22.95	23.21	22.81	22.75	
5	QPSK	12	0	22.34	22.49	22.53	22.38	22.22	23
5	QPSK	12	7	22.28	22.29	22.45	22.26	22.20	
5	QPSK	12	13	22.35	22.45	22.58	22.15	22.23	
5	QPSK	25	0	22.18	22.43	22.59	22.22	22.17	23
5	16QAM	1	0	22.30	22.42	22.60	22.22	22.22	
5	16QAM	1	12	22.29	22.32	22.48	22.19	22.05	
5	16QAM	1	24	22.17	22.47	22.50	22.11	22.06	22
5	16QAM	12	0	21.51	21.64	21.57	21.46	21.24	
5	16QAM	12	7	21.39	21.46	21.55	21.38	21.30	
5	16QAM	12	13	21.13	21.37	21.32	21.05	21.05	22
5	16QAM	25	0	21.25	21.33	21.47	21.26	21.24	
5	64QAM	1	0	21.20	21.31	21.58	21.30	21.10	
5	64QAM	1	12	21.20	21.49	21.42	21.24	21.09	21
5	64QAM	1	24	21.20	21.27	21.41	21.29	21.15	
5	64QAM	12	0	20.31	20.45	20.54	20.39	20.36	
5	64QAM	12	7	20.23	20.42	20.60	20.26	20.29	19
5	64QAM	12	13	20.31	20.42	20.55	20.23	20.13	
5	64QAM	25	0	20.39	20.44	20.58	20.22	20.20	
5	256QAM	1	0	18.38	18.57	18.73	18.50	18.36	19
5	256QAM	1	12	18.33	18.45	18.60	18.42	18.33	
5	256QAM	1	24	18.35	18.54	18.60	18.33	18.19	
5	256QAM	12	0	18.36	18.48	18.63	18.29	18.43	19
5	256QAM	12	7	18.24	18.48	18.44	18.31	18.27	
5	256QAM	12	13	18.24	18.45	18.59	18.41	18.27	
5	256QAM	25	0	18.40	18.38	18.60	18.36	18.25	





<LTE Band 41\_Ant 0\_Sensor ON\_NB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	18.95	19.53	19.93	19.06	18.90	20
20	QPSK	1	49	19.15	19.38	19.59	19.07	19.06	
20	QPSK	1	99	19.10	19.28	19.35	18.98	19.16	
20	QPSK	50	0	18.32	18.58	18.60	18.22	18.19	19
20	QPSK	50	24	18.29	18.51	18.56	18.20	18.17	
20	QPSK	50	50	18.27	18.57	18.57	18.17	18.18	
20	QPSK	100	0	18.28	18.54	18.56	18.18	18.13	19
20	16QAM	1	0	17.96	18.32	18.49	18.80	18.20	
20	16QAM	1	49	18.29	18.32	18.93	17.83	18.30	
20	16QAM	1	99	18.42	18.49	18.46	18.01	18.33	18
20	16QAM	50	0	17.30	17.55	17.51	17.18	17.17	
20	16QAM	50	24	17.34	17.59	17.58	17.17	17.13	
20	16QAM	50	50	17.34	17.48	17.56	17.14	17.09	18
20	16QAM	100	0	17.39	17.46	17.62	17.16	17.08	
20	64QAM	1	0	17.08	17.18	17.47	17.32	16.97	
20	64QAM	1	49	16.80	17.27	17.62	16.91	16.78	18
20	64QAM	1	99	16.85	17.56	17.27	17.24	16.64	
20	64QAM	50	0	16.29	16.43	16.50	16.21	16.10	
20	64QAM	50	24	16.31	16.52	16.52	16.29	16.17	17
20	64QAM	50	50	16.31	16.52	16.63	16.20	16.25	
20	64QAM	100	0	16.30	16.52	16.63	16.21	16.15	
20	256QAM	1	0	13.87	13.94	14.20	13.90	13.74	15
20	256QAM	1	49	13.80	14.00	14.09	13.73	13.62	
20	256QAM	1	99	13.84	13.96	14.17	13.79	13.65	
20	256QAM	50	0	13.90	14.03	14.13	13.89	13.66	15
20	256QAM	50	24	13.99	14.10	14.10	13.88	13.70	
20	256QAM	50	50	13.82	13.99	14.08	13.71	13.78	
20	256QAM	100	0	13.97	14.00	14.00	13.79	13.66	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	18.91	19.37	19.55	18.93	18.88	20.00
15	QPSK	1	37	19.09	19.35	19.77	18.95	18.98	
15	QPSK	1	74	18.97	19.17	19.25	18.82	19.02	
15	QPSK	36	0	18.23	18.31	18.50	17.95	18.05	19
15	QPSK	36	20	18.15	18.43	18.45	18.18	18.02	
15	QPSK	36	39	18.12	18.57	18.40	18.04	18.07	
15	QPSK	75	0	18.24	18.38	18.51	18.16	18.07	19
15	16QAM	1	0	17.82	18.32	18.49	18.76	18.19	
15	16QAM	1	37	18.16	18.17	18.79	17.69	18.30	
15	16QAM	1	74	18.31	18.40	18.40	17.89	18.13	18
15	16QAM	36	0	17.12	17.51	17.46	17.00	17.09	
15	16QAM	36	20	17.25	17.54	17.51	17.07	16.98	
15	16QAM	36	39	17.17	17.44	17.42	16.94	16.97	18
15	16QAM	75	0	17.35	17.30	17.58	17.04	16.90	
15	64QAM	1	0	16.93	17.18	17.33	17.28	16.77	
15	64QAM	1	37	16.64	17.17	17.61	16.71	16.67	18
15	64QAM	1	74	16.71	17.39	17.12	17.24	16.45	
15	64QAM	36	0	16.25	16.36	16.42	16.05	16.04	
15	64QAM	36	20	16.11	16.48	16.35	16.26	16.07	17
15	64QAM	36	39	16.20	16.51	16.58	16.07	16.16	
15	64QAM	75	0	16.14	16.43	16.48	16.21	16.06	
15	256QAM	1	0	13.83	13.88	14.04	13.80	13.71	15
15	256QAM	1	37	13.71	13.84	13.92	13.56	13.51	
15	256QAM	1	74	13.75	13.77	14.07	13.71	13.54	
15	256QAM	36	0	13.72	13.97	14.01	13.70	13.50	15



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15	256QAM	36	20	13.98	14.00	14.01	13.77	13.66	
15	256QAM	36	39	13.66	13.83	13.92	13.58	13.69	
15	256QAM	75	0	13.81	13.85	13.81	13.67	13.58	
Channel				39700	40160	40620	41080	41540	Tune-up limit(dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	18.89	19.48	19.55	18.91	18.77	20.00
10	QPSK	1	25	18.95	19.29	19.89	18.98	18.86	
10	QPSK	1	49	18.97	19.23	19.20	18.94	19.11	
10	QPSK	25	0	18.12	18.42	18.38	17.93	17.92	19
10	QPSK	25	12	18.17	18.43	18.52	18.16	18.04	
10	QPSK	25	25	18.19	18.51	18.53	18.12	18.03	
10	QPSK	50	0	18.15	18.34	18.46	18.18	18.12	19
10	16QAM	1	0	17.93	18.23	18.30	18.79	18.15	
10	16QAM	1	25	18.24	18.24	18.79	17.79	18.20	
10	16QAM	1	49	18.31	18.43	18.36	17.89	18.18	18
10	16QAM	25	0	17.29	17.52	17.35	16.98	17.14	
10	16QAM	25	12	17.21	17.59	17.40	17.11	17.13	
10	16QAM	25	25	17.14	17.47	17.43	16.99	17.03	18
10	16QAM	50	0	17.20	17.26	17.52	17.01	17.06	
10	64QAM	1	0	17.04	17.02	17.39	17.28	16.78	
10	64QAM	1	25	16.74	17.18	17.55	16.84	16.72	18
10	64QAM	1	49	16.80	17.49	17.07	17.06	16.53	
10	64QAM	25	0	16.28	16.37	16.49	16.12	15.91	
10	64QAM	25	12	16.25	16.37	16.43	16.15	16.16	17
10	64QAM	25	25	16.17	16.49	16.46	16.12	16.17	
10	64QAM	50	0	16.21	16.35	16.46	16.14	16.07	
10	256QAM	1	0	13.81	13.85	14.10	13.89	13.56	15
10	256QAM	1	25	13.61	13.83	14.03	13.67	13.53	
10	256QAM	1	49	13.71	13.95	14.01	13.72	13.53	
10	256QAM	25	0	13.78	13.84	13.94	13.89	13.52	15
10	256QAM	25	12	13.88	14.00	14.05	13.82	13.50	
10	256QAM	25	25	13.72	13.82	14.02	13.70	13.61	
10	256QAM	50	0	13.85	13.87	13.83	13.79	13.61	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	18.75	19.38	19.41	19.06	18.88	20.00
5	QPSK	1	12	18.99	19.22	19.92	19.06	18.93	
5	QPSK	1	24	19.07	19.09	19.33	18.80	18.99	
5	QPSK	12	0	18.16	18.33	18.38	18.10	18.09	19
5	QPSK	12	7	18.10	18.38	18.41	18.14	18.10	
5	QPSK	12	13	18.13	18.39	18.48	18.01	18.02	
5	QPSK	25	0	18.08	18.48	18.45	18.04	18.05	19
5	16QAM	1	0	17.94	18.25	18.45	18.67	18.05	
5	16QAM	1	12	18.24	18.15	18.91	17.78	18.18	
5	16QAM	1	24	18.29	18.29	18.28	17.87	18.33	18
5	16QAM	12	0	17.23	17.39	17.36	17.11	17.09	
5	16QAM	12	7	17.15	17.48	17.45	17.14	17.05	
5	16QAM	12	13	17.16	17.41	17.56	17.10	17.01	18
5	16QAM	25	0	17.21	17.40	17.47	17.14	16.99	
5	64QAM	1	0	16.89	17.11	17.32	17.16	16.83	
5	64QAM	1	12	16.66	17.16	17.42	16.86	16.76	18
5	64QAM	1	24	16.72	17.38	17.07	17.10	16.51	
5	64QAM	12	0	16.13	16.35	16.47	16.11	16.07	
5	64QAM	12	7	16.30	16.51	16.32	16.18	16.17	17
5	64QAM	12	13	16.31	16.34	16.55	16.10	16.09	
5	64QAM	25	0	16.27	16.40	16.57	16.03	16.04	
5	256QAM	1	0	13.85	13.93	14.01	13.84	13.58	15
5	256QAM	1	12	13.75	13.97	13.98	13.63	13.55	
5	256QAM	1	24	13.64	13.93	14.10	13.63	13.50	
5	256QAM	12	0	13.70	13.88	14.12	13.84	13.62	15
5	256QAM	12	7	13.87	13.95	13.97	13.74	13.64	
5	256QAM	12	13	13.64	13.96	13.98	13.70	13.68	
5	256QAM	25	0	13.97	13.98	13.83	13.67	13.49	



<LTE Band 41\_Ant 0\_Sensor ON\_NB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	18.76	18.70	18.82	18.77	18.39	19
20	QPSK	1	49	18.58	18.52	18.64	18.59	18.21	
20	QPSK	1	99	18.38	18.32	18.44	18.39	18.02	
20	QPSK	50	0	18.45	18.39	18.51	18.46	18.09	19
20	QPSK	50	24	18.38	18.32	18.44	18.39	18.02	
20	QPSK	50	50	18.40	18.34	18.46	18.41	18.04	
20	QPSK	100	0	18.47	18.41	18.53	18.48	18.11	19
20	16QAM	1	0	18.59	18.69	18.72	18.57	18.31	
20	16QAM	1	49	18.47	18.51	18.58	18.54	18.09	
20	16QAM	1	99	18.22	18.13	18.43	18.26	17.88	19
20	16QAM	50	0	18.45	18.20	18.47	18.33	18.08	
20	16QAM	50	24	18.31	18.30	18.44	18.35	18.01	
20	16QAM	50	50	18.39	18.30	18.42	18.32	18.00	19
20	16QAM	100	0	18.32	18.26	18.44	18.30	17.98	
20	64QAM	1	0	18.64	18.53	18.67	18.77	18.35	
20	64QAM	1	49	18.48	18.36	18.62	18.47	18.08	19
20	64QAM	1	99	18.23	18.32	18.29	18.30	17.87	
20	64QAM	50	0	18.42	18.32	18.38	18.36	17.89	
20	64QAM	50	24	18.22	18.32	18.28	18.37	18.01	19
20	64QAM	50	50	18.26	18.17	18.39	18.23	17.95	
20	64QAM	100	0	18.46	18.39	18.40	18.37	18.09	
20	256QAM	1	0	18.76	18.67	18.64	18.58	18.27	19
20	256QAM	1	49	18.50	18.51	18.62	18.43	18.13	
20	256QAM	1	99	18.27	18.21	18.38	18.19	17.81	
20	256QAM	50	0	18.41	18.24	18.48	18.28	17.92	19
20	256QAM	50	24	18.19	18.31	18.24	18.24	17.99	
20	256QAM	50	50	18.26	18.23	18.38	18.36	17.93	
20	256QAM	100	0	18.45	18.35	18.40	18.41	17.90	Tune-up limit (dBm)
Channel				39725	40173	40620	41068	41515	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	19.00
15	QPSK	1	0	18.72	18.58	18.67	18.75	18.22	
15	QPSK	1	37	18.53	18.34	18.63	18.39	18.21	19
15	QPSK	1	74	18.33	18.14	18.38	18.28	17.84	
15	QPSK	36	0	18.36	18.30	18.48	18.38	17.98	
15	QPSK	36	20	18.32	18.13	18.30	18.32	17.91	19
15	QPSK	36	39	18.38	18.31	18.40	18.40	17.89	
15	QPSK	75	0	18.36	18.23	18.49	18.30	18.03	
15	16QAM	1	0	18.54	18.53	18.58	18.47	18.18	19
15	16QAM	1	37	18.40	18.51	18.38	18.52	18.06	
15	16QAM	1	74	18.12	18.00	18.30	18.26	17.82	
15	16QAM	36	0	18.28	18.18	18.33	18.21	17.97	19
15	16QAM	36	20	18.18	18.14	18.41	18.21	17.87	
15	16QAM	36	39	18.34	18.20	18.35	18.30	18.00	
15	16QAM	75	0	18.16	18.13	18.24	18.20	17.81	19
15	64QAM	1	0	18.55	18.36	18.50	18.72	18.16	
15	64QAM	1	37	18.47	18.16	18.48	18.39	18.01	
15	64QAM	1	74	18.14	18.32	18.15	18.12	17.67	19
15	64QAM	36	0	18.32	18.24	18.28	18.36	17.76	
15	64QAM	36	20	18.06	18.24	18.21	18.34	17.83	
15	64QAM	36	39	18.16	18.09	18.37	18.18	17.91	19
15	64QAM	75	0	18.29	18.28	18.22	18.29	17.89	
15	256QAM	1	0	18.69	18.56	18.55	18.40	18.15	
15	256QAM	1	37	18.32	18.34	18.56	18.23	18.03	19
15	256QAM	1	74	18.27	18.12	18.28	18.18	17.77	
15	256QAM	36	0	18.39	18.06	18.35	18.17	17.77	



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15	256QAM	36	20	18.07	18.14	18.15	18.22	17.92	
15	256QAM	36	39	18.08	18.10	18.23	18.21	17.75	
15	256QAM	75	0	18.32	18.23	18.34	18.35	17.89	
Channel				39700	40160	40620	41080	41540	Tune-up limit(dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	18.73	18.50	18.73	18.61	18.32	19.00
10	QPSK	1	25	18.58	18.36	18.55	18.43	18.15	
10	QPSK	1	49	18.25	18.15	18.27	18.24	17.95	
10	QPSK	25	0	18.26	18.24	18.36	18.33	18.03	19
10	QPSK	25	12	18.38	18.26	18.42	18.27	17.89	
10	QPSK	25	25	18.29	18.14	18.26	18.41	17.84	
10	QPSK	50	0	18.36	18.22	18.33	18.41	18.08	19
10	16QAM	1	0	18.41	18.62	18.71	18.50	18.31	
10	16QAM	1	25	18.46	18.48	18.41	18.47	18.04	
10	16QAM	1	49	18.16	17.97	18.26	18.13	17.75	19
10	16QAM	25	0	18.29	18.00	18.28	18.30	17.97	
10	16QAM	25	12	18.22	18.19	18.26	18.28	17.95	
10	16QAM	25	25	18.35	18.26	18.36	18.16	17.98	19
10	16QAM	50	0	18.21	18.11	18.44	18.16	17.91	
10	64QAM	1	0	18.62	18.41	18.53	18.57	18.31	
10	64QAM	1	25	18.43	18.30	18.48	18.43	17.88	19
10	64QAM	1	49	18.03	18.20	18.22	18.25	17.69	
10	64QAM	25	0	18.38	18.19	18.38	18.24	17.85	
10	64QAM	25	12	18.19	18.15	18.23	18.26	17.93	19
10	64QAM	25	25	18.12	18.01	18.39	18.12	17.87	
10	64QAM	50	0	18.26	18.29	18.23	18.21	18.00	
10	256QAM	1	0	18.72	18.56	18.44	18.50	18.14	19
10	256QAM	1	25	18.30	18.40	18.42	18.26	18.10	
10	256QAM	1	49	18.08	18.18	18.19	18.16	17.72	
10	256QAM	25	0	18.23	18.05	18.36	18.10	17.73	19
10	256QAM	25	12	18.07	18.25	18.12	18.11	17.99	
10	256QAM	25	25	18.08	18.14	18.28	18.17	17.82	
10	256QAM	50	0	18.33	18.33	18.31	18.26	17.74	Tune-up limit (dBm)
Channel				39675	40148	40620	41093	41565	
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	18.74	18.66	18.71	18.76	18.28	19.00
5	QPSK	1	12	18.48	18.43	18.48	18.54	18.14	
5	QPSK	1	24	18.24	18.32	18.41	18.32	17.82	
5	QPSK	12	0	18.39	18.24	18.36	18.38	17.98	19
5	QPSK	12	7	18.27	18.29	18.40	18.19	17.89	
5	QPSK	12	13	18.33	18.19	18.26	18.29	17.87	
5	QPSK	25	0	18.36	18.38	18.36	18.47	18.01	19
5	16QAM	1	0	18.46	18.55	18.72	18.50	18.16	
5	16QAM	1	12	18.41	18.45	18.45	18.40	18.06	
5	16QAM	1	24	18.09	18.06	18.25	18.14	17.72	19
5	16QAM	12	0	18.38	18.01	18.46	18.22	18.03	
5	16QAM	12	7	18.13	18.28	18.28	18.23	17.93	
5	16QAM	12	13	18.25	18.24	18.35	18.24	17.88	19
5	16QAM	25	0	18.19	18.06	18.40	18.29	17.86	
5	64QAM	1	0	18.47	18.50	18.67	18.76	18.32	
5	64QAM	1	12	18.33	18.31	18.55	18.45	18.03	19
5	64QAM	1	24	18.10	18.12	18.10	18.14	17.75	
5	64QAM	12	0	18.22	18.24	18.35	18.25	17.82	
5	64QAM	12	7	18.08	18.21	18.28	18.30	17.81	19
5	64QAM	12	13	18.20	18.05	18.20	18.09	17.83	
5	64QAM	25	0	18.36	18.31	18.37	18.23	18.07	
5	256QAM	1	0	18.62	18.54	18.59	18.58	18.08	19
5	256QAM	1	12	18.32	18.38	18.50	18.26	18.13	
5	256QAM	1	24	18.07	18.08	18.34	18.18	17.67	
5	256QAM	12	0	18.26	18.14	18.46	18.12	17.91	19
5	256QAM	12	7	18.16	18.29	18.14	18.24	17.88	
5	256QAM	12	13	18.07	18.03	18.20	18.21	17.82	
5	256QAM	25	0	18.39	18.24	18.24	18.25	17.89	



<LTE Band 41\_Ant 0\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	16.90	17.14	17.26	16.81	16.88	17.5
20	QPSK	1	49	16.62	17.10	17.25	16.84	16.80	
20	QPSK	1	99	16.67	17.12	17.20	16.73	16.50	
20	QPSK	50	0	15.87	16.49	16.50	16.18	16.13	16.5
20	QPSK	50	24	15.75	16.40	16.44	16.17	16.08	
20	QPSK	50	50	15.82	16.41	16.44	16.10	16.10	
20	QPSK	100	0	15.82	16.42	16.49	16.12	16.13	16.5
20	16QAM	1	0	15.68	16.02	16.47	16.28	16.35	
20	16QAM	1	49	15.69	16.40	16.48	16.08	16.02	
20	16QAM	1	99	15.92	16.30	16.48	16.04	16.41	15.5
20	16QAM	50	0	14.45	15.06	15.23	14.79	14.76	
20	16QAM	50	24	14.47	15.27	15.34	14.81	14.88	
20	16QAM	50	50	14.47	15.25	14.85	14.76	14.82	15.5
20	16QAM	100	0	14.52	15.25	15.30	14.88	14.84	
20	64QAM	1	0	14.43	15.01	14.99	14.30	14.68	
20	64QAM	1	49	14.53	14.83	15.06	15.01	14.39	15.5
20	64QAM	1	99	14.61	14.95	15.30	14.34	14.94	
20	64QAM	50	0	14.38	14.14	14.11	14.33	14.70	
20	64QAM	50	24	14.00	14.16	14.31	14.30	14.75	14.5
20	64QAM	50	50	13.92	14.19	14.21	14.31	14.25	
20	64QAM	100	0	13.93	14.20	14.28	14.29	14.23	
20	256QAM	1	0	11.38	12.14	12.11	11.83	11.74	12.5
20	256QAM	1	49	11.50	12.16	12.31	11.86	11.85	
20	256QAM	1	99	11.52	12.19	12.21	11.91	11.75	
20	256QAM	50	0	11.53	12.20	12.28	11.89	11.83	12.5
20	256QAM	50	24	11.50	12.16	12.31	11.86	11.85	
20	256QAM	50	50	11.52	12.19	12.21	11.91	11.75	
20	256QAM	100	0	11.53	12.20	12.28	11.89	11.83	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	16.74	17.10	17.11	16.68	16.79	17.50
15	QPSK	1	37	16.42	17.02	17.13	16.74	16.73	
15	QPSK	1	74	16.55	17.00	17.18	16.61	16.34	
15	QPSK	36	0	15.81	16.37	16.35	15.99	16.13	16.5
15	QPSK	36	20	15.70	16.33	16.44	16.08	15.96	
15	QPSK	36	39	15.67	16.26	16.28	15.96	15.91	
15	QPSK	75	0	15.82	16.35	16.29	16.05	16.03	16.5
15	16QAM	1	0	15.64	15.85	16.31	16.13	16.34	
15	16QAM	1	37	15.53	16.39	16.30	15.89	15.93	
15	16QAM	1	74	15.84	16.19	16.45	15.96	16.37	15.5
15	16QAM	36	0	14.37	14.94	15.08	14.69	14.58	
15	16QAM	36	20	14.30	15.27	15.14	14.67	14.73	
15	16QAM	36	39	14.46	15.19	14.76	14.62	14.70	15.5
15	16QAM	75	0	14.41	15.12	15.19	14.81	14.76	
15	64QAM	1	0	14.24	14.88	14.79	14.18	14.49	
15	64QAM	1	37	14.42	14.83	14.93	14.83	14.19	15.5
15	64QAM	1	74	14.59	14.85	15.14	14.32	14.92	
15	64QAM	36	0	14.36	13.95	13.97	14.19	14.53	
15	64QAM	36	20	13.90	14.11	14.20	14.19	14.71	14.5
15	64QAM	36	39	13.74	14.14	14.13	14.23	14.20	
15	64QAM	75	0	13.85	14.12	14.24	14.29	14.19	
15	256QAM	1	0	11.28	12.04	12.01	11.82	11.55	12.5
15	256QAM	1	37	11.46	11.96	12.12	11.71	11.77	
15	256QAM	1	74	11.32	12.13	12.10	11.73	11.70	
15	256QAM	36	0	11.51	12.20	12.12	11.73	11.77	12.5



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15	256QAM	36	20	11.48	12.16	12.26	11.72	11.72	
15	256QAM	36	39	11.43	12.10	12.21	11.77	11.60	
15	256QAM	75	0	11.47	12.09	12.27	11.83	11.76	
Channel				39700	40160	40620	41080	41540	Tune-up limit(dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	16.75	17.02	17.17	16.78	16.80	17.50
10	QPSK	1	25	16.59	16.92	17.21	16.71	16.63	
10	QPSK	1	49	16.59	16.98	17.08	16.67	16.39	
10	QPSK	25	0	15.73	16.45	16.36	16.12	15.95	16.5
10	QPSK	25	12	15.71	16.23	16.35	16.17	16.01	
10	QPSK	25	25	15.67	16.31	16.28	16.06	15.92	
10	QPSK	50	0	15.62	16.25	16.35	16.05	16.02	16.5
10	16QAM	1	0	15.48	15.95	16.33	16.18	16.29	
10	16QAM	1	25	15.69	16.31	16.47	15.99	15.89	
10	16QAM	1	49	15.84	16.27	16.31	15.94	16.33	15.5
10	16QAM	25	0	14.25	14.96	15.20	14.75	14.72	
10	16QAM	25	12	14.28	15.16	15.16	14.72	14.70	
10	16QAM	25	25	14.45	15.15	14.73	14.71	14.72	15.5
10	16QAM	50	0	14.40	15.21	15.30	14.88	14.79	
10	64QAM	1	0	14.40	14.82	14.84	14.30	14.55	
10	64QAM	1	25	14.51	14.63	14.91	14.90	14.21	15.5
10	64QAM	1	49	14.59	14.84	15.17	14.20	14.75	
10	64QAM	25	0	14.30	14.07	14.07	14.27	14.65	
10	64QAM	25	12	13.80	14.16	14.27	14.19	14.65	14.5
10	64QAM	25	25	13.85	14.17	14.07	14.15	14.16	
10	64QAM	50	0	13.87	14.11	14.08	14.20	14.23	
10	256QAM	1	0	11.30	12.11	11.94	11.81	11.65	12.5
10	256QAM	1	25	11.49	12.12	12.30	11.78	11.74	
10	256QAM	1	49	11.41	12.05	12.10	11.84	11.75	
10	256QAM	25	0	11.41	12.11	12.27	11.88	11.79	12.5
10	256QAM	25	12	11.40	11.99	12.26	11.67	11.75	
10	256QAM	25	25	11.49	12.12	12.06	11.86	11.56	
10	256QAM	50	0	11.44	12.15	12.16	11.80	11.68	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	16.90	17.10	17.14	16.76	16.85	17.50
5	QPSK	1	12	16.48	17.07	17.16	16.67	16.63	
5	QPSK	1	24	16.56	16.93	17.20	16.72	16.43	
5	QPSK	12	0	15.86	16.49	16.35	16.08	16.03	16.5
5	QPSK	12	7	15.64	16.36	16.25	16.05	15.90	
5	QPSK	12	13	15.64	16.33	16.44	16.02	15.97	
5	QPSK	25	0	15.69	16.40	16.48	15.95	16.06	16.5
5	16QAM	1	0	15.68	16.01	16.42	16.08	16.22	
5	16QAM	1	12	15.65	16.38	16.43	16.05	15.96	
5	16QAM	1	24	15.90	16.11	16.30	15.85	16.27	15.5
5	16QAM	12	0	14.40	14.88	15.21	14.76	14.64	
5	16QAM	12	7	14.30	15.19	15.34	14.71	14.80	
5	16QAM	12	13	14.45	15.09	14.66	14.69	14.74	15.5
5	16QAM	25	0	14.52	15.20	15.10	14.79	14.75	
5	64QAM	1	0	14.33	14.95	14.87	14.22	14.61	
5	64QAM	1	12	14.42	14.73	14.86	14.85	14.25	15.5
5	64QAM	1	24	14.42	14.77	15.27	14.29	14.74	
5	64QAM	12	0	14.19	14.05	14.09	14.21	14.62	
5	64QAM	12	7	13.91	14.00	14.15	14.16	14.66	14.5
5	64QAM	12	13	13.86	14.11	14.20	14.24	14.05	
5	64QAM	25	0	13.93	14.14	14.23	14.23	14.08	
5	256QAM	1	0	11.38	12.00	12.00	11.71	11.68	12.5
5	256QAM	1	12	11.34	11.96	12.29	11.68	11.83	
5	256QAM	1	24	11.51	12.15	12.01	11.71	11.57	
5	256QAM	12	0	11.34	12.03	12.14	11.79	11.75	12.5
5	256QAM	12	7	11.44	12.12	12.29	11.86	11.65	
5	256QAM	12	13	11.43	12.19	12.16	11.77	11.57	
5	256QAM	25	0	11.44	12.16	12.17	11.87	11.67	



<LTE Band 41\_Ant 2\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	16.28	16.20	16.31	16.12	15.84	16.5
20	QPSK	1	49	16.19	16.11	16.22	16.03	15.75	
20	QPSK	1	99	16.25	16.17	16.28	16.09	15.81	
20	QPSK	50	0	16.27	16.19	16.30	16.11	15.83	16.5
20	QPSK	50	24	16.18	16.10	16.21	16.02	15.74	
20	QPSK	50	50	16.26	16.18	16.29	16.10	15.82	
20	QPSK	100	0	16.25	16.17	16.28	16.09	15.81	16.5
20	16QAM	1	0	16.26	16.11	16.13	16.05	15.73	
20	16QAM	1	49	16.04	16.06	16.07	15.85	15.72	
20	16QAM	1	99	16.23	15.97	16.27	15.94	15.73	16.5
20	16QAM	50	0	16.17	16.02	16.12	16.07	15.64	
20	16QAM	50	24	16.01	15.91	16.02	15.89	15.55	
20	16QAM	50	50	16.09	15.99	16.18	16.06	15.68	16.5
20	16QAM	100	0	16.19	16.08	16.10	15.92	15.66	
20	64QAM	1	0	16.11	16.07	16.23	16.08	15.79	
20	64QAM	1	49	16.02	15.99	16.12	15.89	15.73	16.5
20	64QAM	1	99	16.18	16.02	16.26	15.89	15.71	
20	64QAM	50	0	16.07	16.13	16.24	16.09	15.77	
20	64QAM	50	24	16.00	15.93	16.11	15.91	15.67	16.5
20	64QAM	50	50	16.26	16.06	16.20	15.96	15.73	
20	64QAM	100	0	16.15	15.97	16.15	16.06	15.72	
20	256QAM	1	0	16.12	16.18	16.17	16.08	15.79	16.5
20	256QAM	1	49	16.01	16.00	16.05	15.90	15.61	
20	256QAM	1	99	16.06	16.16	16.23	15.89	15.79	
20	256QAM	50	0	16.14	16.01	16.16	15.98	15.82	16.5
20	256QAM	50	24	16.12	15.97	16.17	15.86	15.73	
20	256QAM	50	50	16.06	16.11	16.11	15.95	15.69	
20	256QAM	100	0	16.18	16.09	16.08	16.07	15.61	
Channel				39725	40173	40620	41068	41515	Tune-up limit
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	(dBm)
15	QPSK	1	0	16.11	16.02	16.29	15.95	15.84	16.50
15	QPSK	1	37	16.15	16.06	16.13	15.98	15.55	
15	QPSK	1	74	16.12	15.97	16.13	15.93	15.79	
15	QPSK	36	0	16.19	16.02	16.29	16.00	15.65	16.5
15	QPSK	36	20	16.02	15.92	16.09	15.82	15.72	
15	QPSK	36	39	16.21	16.04	16.19	16.09	15.80	
15	QPSK	75	0	16.10	16.08	16.08	16.06	15.75	16.5
15	16QAM	1	0	16.11	16.11	16.08	15.93	15.65	
15	16QAM	1	37	15.94	16.02	16.01	15.74	15.58	
15	16QAM	1	74	16.16	15.84	16.16	15.88	15.58	16.5
15	16QAM	36	0	16.06	15.85	16.05	15.95	15.44	
15	16QAM	36	20	15.93	15.79	15.95	15.69	15.37	
15	16QAM	36	39	16.08	15.88	16.06	15.89	15.48	16.5
15	16QAM	75	0	16.10	16.03	16.10	15.75	15.63	
15	64QAM	1	0	15.95	16.02	16.08	15.92	15.72	
15	64QAM	1	37	15.82	15.83	16.07	15.77	15.61	16.5
15	64QAM	1	74	16.14	16.02	16.10	15.86	15.68	
15	64QAM	36	0	15.92	16.07	16.24	15.95	15.66	
15	64QAM	36	20	15.86	15.88	15.98	15.85	15.63	16.5
15	64QAM	36	39	16.09	16.04	16.04	15.79	15.66	
15	64QAM	75	0	16.04	15.93	16.10	15.97	15.66	
15	256QAM	1	0	16.07	16.05	16.03	15.92	15.71	16.5
15	256QAM	1	37	16.01	15.90	15.87	15.80	15.61	
15	256QAM	1	74	15.86	16.15	16.17	15.70	15.63	
15	256QAM	36	0	16.13	15.87	16.12	15.94	15.68	16.5



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15	256QAM	36	20	16.00	15.78	15.98	15.81	15.67	
15	256QAM	36	39	16.04	16.00	16.02	15.95	15.58	
15	256QAM	75	0	16.13	16.03	15.97	16.02	15.54	
Channel				39700	40160	40620	41080	41540	Tune-up limit(dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	16.15	16.06	16.20	15.96	15.72	16.50
10	QPSK	1	25	16.05	16.06	16.11	16.00	15.70	
10	QPSK	1	49	16.23	16.14	16.20	15.95	15.65	
10	QPSK	25	0	16.10	15.99	16.14	16.08	15.78	16.5
10	QPSK	25	12	16.09	16.10	16.07	16.01	15.60	
10	QPSK	25	25	16.16	16.12	16.23	15.99	15.66	
10	QPSK	50	0	16.09	16.13	16.08	15.93	15.71	16.5
10	16QAM	1	0	16.13	15.97	15.98	16.00	15.69	
10	16QAM	1	25	15.88	15.92	15.95	15.78	15.71	
10	16QAM	1	49	16.10	15.77	16.14	15.75	15.54	16.5
10	16QAM	25	0	16.04	15.86	16.11	15.88	15.54	
10	16QAM	25	12	15.81	15.83	15.98	15.79	15.48	
10	16QAM	25	25	15.89	15.90	16.11	16.03	15.54	16.5
10	16QAM	50	0	16.14	16.04	16.06	15.78	15.46	
10	64QAM	1	0	16.06	16.01	16.17	16.03	15.64	
10	64QAM	1	25	15.82	15.81	16.04	15.70	15.66	16.5
10	64QAM	1	49	16.15	15.87	16.25	15.84	15.60	
10	64QAM	25	0	15.92	15.99	16.22	16.02	15.64	
10	64QAM	25	12	15.90	15.86	15.94	15.85	15.54	16.5
10	64QAM	25	25	16.14	16.04	16.09	15.87	15.64	
10	64QAM	50	0	16.08	15.89	16.13	15.92	15.53	
10	256QAM	1	0	16.06	16.14	16.16	16.07	15.67	16.5
10	256QAM	1	25	15.97	15.90	15.85	15.86	15.51	
10	256QAM	1	49	15.87	16.07	16.22	15.69	15.68	
10	256QAM	25	0	16.03	15.86	16.05	15.85	15.64	16.5
10	256QAM	25	12	15.98	15.85	16.09	15.73	15.57	
10	256QAM	25	25	15.98	15.97	16.08	15.89	15.56	
10	256QAM	50	0	15.98	16.06	16.03	15.88	15.56	Tune-up limit (dBm)
Channel				39675	40148	40620	41093	41565	
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	16.10	16.20	16.22	16.11	15.67	16.50
5	QPSK	1	12	16.01	16.04	16.14	16.03	15.58	
5	QPSK	1	24	16.25	16.08	16.22	15.91	15.68	
5	QPSK	12	0	16.17	16.01	16.18	16.05	15.83	16.5
5	QPSK	12	7	16.07	16.01	16.02	15.87	15.70	
5	QPSK	12	13	16.21	16.17	16.09	15.94	15.65	
5	QPSK	25	0	16.23	16.00	16.12	16.00	15.72	16.5
5	16QAM	1	0	16.14	16.11	16.03	15.87	15.54	
5	16QAM	1	12	16.02	15.88	15.87	15.68	15.58	
5	16QAM	1	24	16.22	15.82	16.20	15.91	15.71	16.5
5	16QAM	12	0	15.99	15.95	16.02	16.04	15.50	
5	16QAM	12	7	15.83	15.85	15.91	15.69	15.40	
5	16QAM	12	13	15.97	15.95	15.99	15.99	15.54	16.5
5	16QAM	25	0	16.04	16.06	15.92	15.81	15.60	
5	64QAM	1	0	16.01	15.99	16.09	15.93	15.59	
5	64QAM	1	12	16.00	15.99	16.01	15.84	15.59	16.5
5	64QAM	1	24	16.15	15.97	16.21	15.81	15.57	
5	64QAM	12	0	15.93	16.01	16.12	16.02	15.60	
5	64QAM	12	7	15.94	15.92	16.10	15.71	15.60	16.5
5	64QAM	12	13	16.21	16.04	16.19	15.76	15.64	
5	64QAM	25	0	15.95	15.90	16.02	16.00	15.69	
5	256QAM	1	0	16.05	15.98	16.05	15.98	15.61	16.5
5	256QAM	1	12	15.89	15.93	15.95	15.74	15.41	
5	256QAM	1	24	15.94	15.99	16.09	15.69	15.60	
5	256QAM	12	0	16.00	15.85	16.08	15.93	15.81	16.5
5	256QAM	12	7	16.12	15.90	16.17	15.74	15.65	
5	256QAM	12	13	16.00	15.98	16.03	15.94	15.49	
5	256QAM	25	0	16.12	15.92	15.91	16.01	15.58	





<LTE Band 41\_HPUE\_Ant 0\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	25.37	25.59	25.80	25.34	25.29	27
20	QPSK	1	49	25.61	25.67	25.59	25.39	25.37	
20	QPSK	1	99	25.57	25.75	25.70	25.32	25.38	
20	QPSK	50	0	24.67	24.73	24.87	24.48	24.55	26
20	QPSK	50	24	24.65	24.72	24.86	24.47	24.52	
20	QPSK	50	50	24.66	24.70	24.84	24.49	24.46	
20	QPSK	100	0	24.71	24.86	24.87	24.46	24.46	26
20	16QAM	1	0	24.94	25.37	24.78	24.64	24.76	
20	16QAM	1	49	24.92	24.78	25.34	24.77	24.64	
20	16QAM	1	99	24.73	24.99	25.07	24.75	24.73	25
20	16QAM	50	0	23.57	23.79	23.80	23.36	23.43	
20	16QAM	50	24	23.77	23.91	23.97	23.55	23.51	
20	16QAM	50	50	23.71	24.00	23.94	23.47	23.52	25
20	16QAM	100	0	23.67	23.95	23.92	23.45	23.51	
20	64QAM	1	0	23.80	23.93	24.21	23.55	23.44	
20	64QAM	1	49	23.63	23.77	24.16	23.32	23.49	25
20	64QAM	1	99	23.54	24.10	23.52	23.52	23.92	
20	64QAM	50	0	22.56	22.65	22.59	22.32	22.48	
20	64QAM	50	24	22.74	22.95	22.78	22.53	22.53	24
20	64QAM	50	50	22.67	22.71	22.88	22.37	22.51	
20	64QAM	100	0	22.70	22.93	22.82	22.48	22.44	
20	256QAM	1	0	20.87	21.01	21.30	20.65	20.51	22
20	256QAM	1	49	20.69	20.83	21.19	20.32	20.54	
20	256QAM	1	99	20.63	21.20	20.61	20.53	20.96	
20	256QAM	50	0	21.39	21.50	21.77	21.14	20.97	22
20	256QAM	50	24	21.16	21.28	21.68	20.83	21.09	
20	256QAM	50	50	21.07	21.69	21.02	21.04	21.47	
20	256QAM	100	0	20.14	20.24	20.15	20.13	20.07	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	25.20	25.51	25.67	25.29	25.09	27.00
15	QPSK	1	37	25.58	25.63	25.44	25.19	25.34	
15	QPSK	1	74	25.46	25.71	25.53	25.14	25.24	
15	QPSK	36	0	24.63	24.59	24.75	24.21	24.31	26
15	QPSK	36	20	24.48	24.72	24.82	24.42	24.39	
15	QPSK	36	39	24.62	24.76	24.82	24.48	24.41	
15	QPSK	75	0	24.68	24.85	24.87	24.37	24.26	26
15	16QAM	1	0	24.88	25.26	24.60	24.55	24.70	
15	16QAM	1	37	24.74	24.66	25.24	24.75	24.64	
15	16QAM	1	74	24.54	24.81	25.04	24.73	24.53	25
15	16QAM	36	0	23.51	23.75	23.77	23.20	23.24	
15	16QAM	36	20	23.71	23.87	23.86	23.48	23.51	
15	16QAM	36	39	23.67	23.94	23.82	23.42	23.49	25
15	16QAM	75	0	23.53	23.75	23.76	23.41	23.41	
15	64QAM	1	0	23.66	23.81	24.03	23.54	23.42	
15	64QAM	1	37	23.55	23.74	23.97	23.16	23.39	25
15	64QAM	1	74	23.36	24.06	23.40	23.49	23.90	
15	64QAM	36	0	22.38	22.51	22.53	22.18	22.42	
15	64QAM	36	20	22.73	22.84	22.60	22.51	22.53	24
15	64QAM	36	39	22.59	22.67	22.78	22.28	22.41	
15	64QAM	75	0	22.55	22.82	22.82	22.44	22.36	
15	256QAM	1	0	20.73	20.94	21.20	20.53	20.50	22
15	256QAM	1	37	20.69	20.77	21.09	20.16	20.35	
15	256QAM	1	74	20.58	21.10	20.52	20.46	20.88	
15	256QAM	36	0	21.25	21.49	21.65	20.94	20.80	22



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15	256QAM	36	20	21.00	21.10	21.65	20.69	21.05	
15	256QAM	36	39	21.06	21.68	20.98	20.94	21.43	
15	256QAM	75	0	20.01	20.11	20.06	20.07	20.05	
Channel				39700	40160	40620	41080	41540	Tune-up limit(dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	25.20	25.44	25.76	25.22	25.25	27.00
10	QPSK	1	25	25.47	25.66	25.40	25.33	25.35	
10	QPSK	1	49	25.50	25.69	25.61	25.22	25.27	
10	QPSK	25	0	24.47	24.73	24.77	24.22	24.27	26
10	QPSK	25	12	24.57	24.77	24.69	24.41	24.39	
10	QPSK	25	25	24.55	24.88	24.82	24.43	24.37	
10	QPSK	50	0	24.68	24.66	24.67	24.28	24.28	26
10	16QAM	1	0	24.94	25.18	24.63	24.61	24.57	
10	16QAM	1	25	24.75	24.74	25.26	24.62	24.45	
10	16QAM	1	49	24.63	24.84	24.95	24.74	24.59	25
10	16QAM	25	0	23.52	23.59	23.61	23.17	23.31	
10	16QAM	25	12	23.77	23.90	23.95	23.53	23.36	
10	16QAM	25	25	23.67	23.95	23.75	23.27	23.43	25
10	16QAM	50	0	23.57	23.83	23.82	23.26	23.48	
10	64QAM	1	0	23.72	23.90	24.02	23.50	23.35	
10	64QAM	1	25	23.50	23.72	24.08	23.15	23.30	25
10	64QAM	1	49	23.42	24.09	23.48	23.39	23.92	
10	64QAM	25	0	22.54	22.64	22.54	22.17	22.37	
10	64QAM	25	12	22.62	22.76	22.67	22.46	22.35	24
10	64QAM	25	25	22.59	22.63	22.81	22.37	22.42	
10	64QAM	50	0	22.65	22.76	22.68	22.38	22.43	
10	256QAM	1	0	20.80	20.90	21.19	20.64	20.32	22
10	256QAM	1	25	20.58	20.73	20.99	20.22	20.38	
10	256QAM	1	49	20.60	21.03	20.42	20.50	20.90	
10	256QAM	25	0	21.33	21.33	21.62	21.08	20.86	22
10	256QAM	25	12	21.15	21.15	21.55	20.70	21.00	
10	256QAM	25	25	20.94	21.56	20.93	21.02	21.29	
10	256QAM	50	0	20.15	20.15	20.08	20.06	20.15	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	25.23	25.40	25.76	25.24	25.10	27.00
5	QPSK	1	12	25.54	25.54	25.50	25.36	25.19	
5	QPSK	1	24	25.53	25.73	25.56	25.14	25.23	
5	QPSK	12	0	24.66	24.59	24.87	24.29	24.29	26
5	QPSK	12	7	24.57	24.81	24.84	24.31	24.37	
5	QPSK	12	13	24.64	24.90	24.73	24.38	24.30	
5	QPSK	25	0	24.71	24.82	24.78	24.38	24.43	26
5	16QAM	1	0	24.83	25.20	24.70	24.51	24.75	
5	16QAM	1	12	24.73	24.62	25.17	24.59	24.49	
5	16QAM	1	24	24.65	24.97	24.88	24.72	24.73	25
5	16QAM	12	0	23.42	23.62	23.78	23.32	23.39	
5	16QAM	12	7	23.75	23.78	23.91	23.52	23.34	
5	16QAM	12	13	23.64	23.87	23.88	23.38	23.44	25
5	16QAM	25	0	23.59	23.90	23.72	23.36	23.51	
5	64QAM	1	0	23.66	23.85	24.17	23.43	23.29	
5	64QAM	1	12	23.57	23.71	24.06	23.12	23.44	25
5	64QAM	1	24	23.44	24.09	23.52	23.40	23.79	
5	64QAM	12	0	22.42	22.46	22.44	22.22	22.29	
5	64QAM	12	7	22.54	22.93	22.63	22.47	22.41	24
5	64QAM	12	13	22.53	22.58	22.70	22.34	22.35	
5	64QAM	25	0	22.52	22.92	22.81	22.30	22.44	
5	256QAM	1	0	20.79	20.83	21.24	20.56	20.45	22
5	256QAM	1	12	20.69	20.75	21.16	20.18	20.53	
5	256QAM	1	24	20.51	21.06	20.61	20.45	20.80	
5	256QAM	12	0	21.20	21.50	21.67	21.04	20.92	22
5	256QAM	12	7	20.98	21.27	21.62	20.68	21.09	
5	256QAM	12	13	21.02	21.62	20.89	21.01	21.45	
5	256QAM	25	0	20.02	20.17	20.12	20.09	20.17	



<LTE Band 41\_HPUE\_Ant 2\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	26.22	26.02	26.28	26.24	25.80	27
20	QPSK	1	49	25.76	25.90	26.04	25.73	25.67	
20	QPSK	1	99	25.60	25.74	25.88	25.58	25.51	
20	QPSK	50	0	25.07	25.20	25.34	25.04	24.98	26
20	QPSK	50	24	25.01	25.14	25.28	24.98	24.92	
20	QPSK	50	50	25.03	25.16	25.30	25.00	24.94	
20	QPSK	100	0	25.04	25.17	25.31	25.01	24.95	
20	16QAM	1	0	25.08	25.21	25.35	25.05	24.99	26
20	16QAM	1	49	24.98	25.11	25.25	24.96	24.89	
20	16QAM	1	99	25.00	25.13	25.27	24.97	24.91	
20	16QAM	50	0	24.17	24.30	24.43	24.15	24.08	25
20	16QAM	50	24	24.11	24.24	24.37	24.09	24.02	
20	16QAM	50	50	23.90	24.03	24.16	23.88	23.82	
20	16QAM	100	0	24.04	24.17	24.30	24.02	23.95	
20	64QAM	1	0	24.04	24.17	24.30	24.02	23.95	25
20	64QAM	1	49	24.02	24.15	24.28	24.00	23.93	
20	64QAM	1	99	23.99	24.12	24.25	23.97	23.91	
20	64QAM	50	0	23.10	23.22	23.35	23.08	23.02	24
20	64QAM	50	24	23.05	23.17	23.30	23.03	22.97	
20	64QAM	50	50	23.01	23.13	23.26	22.99	22.93	
20	64QAM	100	0	23.07	23.19	23.32	23.05	22.99	
20	256QAM	1	0	21.20	21.31	21.43	21.18	21.13	22
20	256QAM	1	49	21.17	21.28	21.40	21.15	21.10	
20	256QAM	1	99	21.11	21.22	21.34	21.10	21.04	
20	256QAM	50	0	21.17	21.28	21.40	21.15	21.10	22
20	256QAM	50	24	21.07	21.18	21.30	21.06	21.00	
20	256QAM	50	50	21.08	21.19	21.31	21.07	21.01	
20	256QAM	100	0	21.13	21.24	21.36	21.12	21.06	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	26.17	25.89	26.27	26.12	25.67	27.00
15	QPSK	1	37	25.74	25.78	25.98	25.71	25.65	
15	QPSK	1	74	25.56	25.55	25.78	25.52	25.48	
15	QPSK	36	0	25.00	25.00	25.24	25.03	24.94	26
15	QPSK	36	20	24.96	25.13	25.17	24.82	24.81	
15	QPSK	36	39	24.89	25.12	25.19	24.89	24.74	
15	QPSK	75	0	25.04	25.00	25.14	24.96	24.86	26
15	16QAM	1	0	24.91	25.04	25.32	24.91	24.81	
15	16QAM	1	37	24.86	25.07	25.07	24.79	24.80	
15	16QAM	1	74	24.98	25.02	25.09	24.93	24.78	
15	16QAM	36	0	24.00	24.26	24.33	24.08	24.08	25
15	16QAM	36	20	24.03	24.07	24.26	24.00	23.89	
15	16QAM	36	39	23.81	23.84	24.00	23.84	23.82	
15	16QAM	75	0	23.91	24.12	24.15	23.83	23.86	
15	64QAM	1	0	23.94	24.08	24.27	23.99	23.76	25
15	64QAM	1	37	23.98	24.10	24.18	23.92	23.89	
15	64QAM	1	74	23.80	24.03	24.24	23.83	23.83	
15	64QAM	36	0	22.99	23.10	23.20	22.96	22.96	24
15	64QAM	36	20	22.91	23.13	23.17	22.97	22.82	
15	64QAM	36	39	22.94	22.95	23.11	22.84	22.90	
15	64QAM	75	0	22.92	22.99	23.24	22.94	22.84	
15	256QAM	1	0	21.08	21.16	21.34	21.12	21.06	22
15	256QAM	1	37	21.08	21.21	21.36	20.99	21.04	
15	256QAM	1	74	20.92	21.15	21.20	21.00	20.88	
15	256QAM	36	0	21.17	21.13	21.27	21.01	20.90	22



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15	256QAM	36	20	20.94	21.14	21.18	21.06	20.84	
15	256QAM	36	39	20.96	21.07	21.24	21.04	20.86	
15	256QAM	75	0	21.06	21.22	21.27	20.96	21.00	
Channel				39700	40160	40620	41080	41540	Tune-up limit(dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	26.15	25.94	26.21	26.23	25.78	27.00
10	QPSK	1	25	25.60	25.74	26.02	25.58	25.57	
10	QPSK	1	49	25.55	25.64	25.76	25.56	25.36	
10	QPSK	25	0	25.01	25.10	25.16	24.94	24.89	26
10	QPSK	25	12	24.91	25.05	25.27	24.85	24.76	
10	QPSK	25	25	24.95	25.07	25.23	24.98	24.89	
10	QPSK	50	0	24.93	24.98	25.14	24.96	24.92	26
10	16QAM	1	0	25.06	25.20	25.21	24.96	24.92	
10	16QAM	1	25	24.98	25.06	25.08	24.88	24.84	
10	16QAM	1	49	24.81	25.04	25.13	24.96	24.81	25
10	16QAM	25	0	24.08	24.13	24.40	24.02	23.94	
10	16QAM	25	12	23.91	24.15	24.22	23.99	23.87	
10	16QAM	25	25	23.71	23.84	24.10	23.69	23.79	25
10	16QAM	50	0	24.04	24.13	24.28	23.85	23.84	
10	64QAM	1	0	23.88	24.10	24.24	23.96	23.85	
10	64QAM	1	25	23.98	24.13	24.18	23.91	23.86	25
10	64QAM	1	49	23.98	24.04	24.23	23.83	23.86	
10	64QAM	25	0	23.05	23.17	23.26	23.06	22.97	
10	64QAM	25	12	22.97	23.12	23.28	22.84	22.82	24
10	64QAM	25	25	22.87	23.03	23.14	22.98	22.93	
10	64QAM	50	0	22.96	23.14	23.18	22.87	22.89	
10	256QAM	1	0	21.04	21.19	21.34	21.13	20.97	22
10	256QAM	1	25	21.00	21.17	21.35	21.01	20.91	
10	256QAM	1	49	21.09	21.16	21.26	20.94	20.90	
10	256QAM	25	0	20.99	21.08	21.28	21.10	20.99	22
10	256QAM	25	12	21.00	21.11	21.21	21.01	20.87	
10	256QAM	25	25	21.06	21.07	21.20	21.02	20.96	
10	256QAM	50	0	21.06	21.07	21.36	21.09	21.04	Tune-up limit (dBm)
Channel				39675	40148	40620	41093	41565	
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	26.12	26.01	26.11	26.11	25.72	27.00
5	QPSK	1	12	25.69	25.81	25.91	25.67	25.63	
5	QPSK	1	24	25.52	25.73	25.80	25.43	25.33	
5	QPSK	12	0	24.88	25.16	25.29	24.87	24.85	26
5	QPSK	12	7	24.88	25.10	25.24	24.86	24.89	
5	QPSK	12	13	25.03	25.05	25.28	24.97	24.86	
5	QPSK	25	0	24.91	25.00	25.20	24.94	24.83	26
5	16QAM	1	0	24.91	25.17	25.17	24.92	24.95	
5	16QAM	1	12	24.90	24.99	25.08	24.84	24.86	
5	16QAM	1	24	24.96	24.93	25.12	24.82	24.91	25
5	16QAM	12	0	24.15	24.17	24.35	24.00	23.90	
5	16QAM	12	7	24.11	24.10	24.19	23.94	23.97	
5	16QAM	12	13	23.70	23.92	24.01	23.78	23.76	25
5	16QAM	25	0	23.84	23.97	24.17	24.00	23.80	
5	64QAM	1	0	23.99	24.06	24.15	23.91	23.87	
5	64QAM	1	12	23.96	24.06	24.26	23.85	23.83	25
5	64QAM	1	24	23.92	24.10	24.23	23.86	23.81	
5	64QAM	12	0	23.03	23.07	23.20	22.94	22.89	
5	64QAM	12	7	22.93	23.13	23.18	22.86	22.84	24
5	64QAM	12	13	23.01	22.96	23.21	22.82	22.90	
5	64QAM	25	0	22.99	23.19	23.17	23.05	22.88	
5	256QAM	1	0	21.06	21.12	21.26	21.14	21.06	22
5	256QAM	1	12	20.98	21.18	21.22	20.96	20.92	
5	256QAM	1	24	21.00	21.22	21.17	20.97	20.85	
5	256QAM	12	0	21.13	21.28	21.39	21.09	20.98	22
5	256QAM	12	7	20.98	21.04	21.24	20.95	20.90	
5	256QAM	12	13	20.91	20.99	21.25	20.94	20.92	
5	256QAM	25	0	21.01	21.10	21.25	20.97	20.91	



<LTE Band 41\_HPUE\_Ant 0\_Sensor ON\_NB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	19.57	19.68	20.00	19.53	19.57	20
20	QPSK	1	49	19.56	19.65	19.65	19.25	19.29	
20	QPSK	1	99	19.46	19.67	19.82	19.48	19.20	
20	QPSK	50	0	17.50	17.69	17.82	17.43	17.38	19
20	QPSK	50	24	17.56	17.81	17.91	17.50	17.49	
20	QPSK	50	50	17.56	17.85	17.93	17.45	17.40	
20	QPSK	100	0	17.56	17.76	17.89	17.54	17.43	19
20	16QAM	1	0	18.54	18.68	18.84	18.95	18.98	
20	16QAM	1	49	18.79	18.87	18.66	18.58	18.37	
20	16QAM	1	99	18.92	18.62	18.87	18.63	18.73	18
20	16QAM	50	0	16.50	16.85	16.83	16.49	16.47	
20	16QAM	50	24	16.68	16.82	16.88	16.47	16.47	
20	16QAM	50	50	16.57	16.89	16.95	16.50	16.56	18
20	16QAM	100	0	16.72	16.87	16.99	16.49	16.51	
20	64QAM	1	0	17.72	17.85	17.95	17.59	17.60	
20	64QAM	1	49	17.94	17.62	17.97	17.95	17.45	18
20	64QAM	1	99	17.65	17.89	17.92	17.43	17.87	
20	64QAM	50	0	16.57	16.78	16.84	16.41	16.40	
20	64QAM	50	24	16.66	16.79	16.89	16.58	16.45	17
20	64QAM	50	50	16.63	16.85	16.88	16.49	16.51	
20	64QAM	100	0	16.63	16.83	16.85	16.50	16.43	
20	256QAM	1	0	14.17	14.40	14.38	14.04	14.10	15
20	256QAM	1	49	14.14	14.34	14.39	14.04	13.98	
20	256QAM	1	99	14.12	14.47	14.35	13.99	14.10	
20	256QAM	50	0	14.15	14.40	14.42	14.09	14.02	15
20	256QAM	50	24	14.22	14.39	14.53	14.04	14.03	
20	256QAM	50	50	14.07	14.30	14.35	13.94	13.92	
20	256QAM	100	0	14.25	14.42	14.37	13.98	14.05	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	19.47	19.57	19.46	19.49	19.53	20.00
15	QPSK	1	37	19.44	19.61	19.87	19.20	19.27	
15	QPSK	1	74	19.35	19.66	19.62	19.34	19.18	
15	QPSK	36	0	17.41	17.66	17.75	17.26	17.36	19
15	QPSK	36	20	17.52	17.72	17.74	17.35	17.39	
15	QPSK	36	39	17.53	17.68	17.80	17.39	17.22	
15	QPSK	75	0	17.46	17.61	17.85	17.42	17.33	19
15	16QAM	1	0	18.40	18.52	18.73	18.91	18.81	
15	16QAM	1	37	18.79	18.68	18.64	18.40	18.17	
15	16QAM	1	74	18.92	18.58	18.68	18.51	18.53	18
15	16QAM	36	0	16.41	16.65	16.72	16.41	16.36	
15	16QAM	36	20	16.61	16.62	16.74	16.41	16.38	
15	16QAM	36	39	16.55	16.87	16.79	16.31	16.37	18
15	16QAM	75	0	16.61	16.83	16.92	16.38	16.44	
15	64QAM	1	0	17.52	17.84	17.94	17.47	17.58	
15	64QAM	1	37	17.75	17.57	17.85	17.92	17.34	18
15	64QAM	1	74	17.65	17.74	17.79	17.40	17.73	
15	64QAM	36	0	16.40	16.59	16.69	16.36	16.28	
15	64QAM	36	20	16.56	16.71	16.84	16.52	16.33	17
15	64QAM	36	39	16.43	16.76	16.75	16.43	16.51	
15	64QAM	75	0	16.58	16.78	16.75	16.49	16.36	
15	256QAM	1	0	13.97	14.27	14.22	13.98	13.96	15
15	256QAM	1	37	14.00	14.23	14.29	14.04	13.96	
15	256QAM	1	74	14.04	14.44	14.28	13.95	13.94	
15	256QAM	36	0	13.99	14.30	14.40	13.89	13.98	15



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15	256QAM	36	20	14.07	14.30	14.49	13.99	14.00	
15	256QAM	36	39	13.89	14.20	14.35	13.85	13.72	
15	256QAM	75	0	14.16	14.41	14.25	13.93	13.97	
Channel				39700	40160	40620	41080	41540	Tune-up limit(dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	19.37	19.44	19.49	19.41	19.46	20.00
10	QPSK	1	25	19.56	19.53	19.93	19.13	19.12	
10	QPSK	1	49	19.29	19.52	19.75	19.29	19.19	
10	QPSK	25	0	17.45	17.60	17.74	17.35	17.18	19
10	QPSK	25	12	17.37	17.70	17.89	17.46	17.35	
10	QPSK	25	25	17.48	17.75	17.92	17.32	17.22	
10	QPSK	50	0	17.38	17.69	17.89	17.34	17.29	19
10	16QAM	1	0	18.35	18.66	18.68	18.80	18.79	
10	16QAM	1	25	18.60	18.87	18.49	18.40	18.18	
10	16QAM	1	49	18.89	18.42	18.78	18.53	18.57	18
10	16QAM	25	0	16.44	16.79	16.74	16.31	16.28	
10	16QAM	25	12	16.62	16.69	16.74	16.45	16.41	
10	16QAM	25	25	16.42	16.83	16.89	16.40	16.46	18
10	16QAM	50	0	16.58	16.79	16.86	16.31	16.38	
10	64QAM	1	0	17.63	17.85	17.89	17.42	17.47	
10	64QAM	1	25	17.92	17.48	17.77	17.85	17.44	18
10	64QAM	1	49	17.49	17.73	17.90	17.30	17.67	
10	64QAM	25	0	16.47	16.74	16.78	16.25	16.36	
10	64QAM	25	12	16.60	16.64	16.83	16.56	16.44	17
10	64QAM	25	25	16.53	16.73	16.87	16.46	16.46	
10	64QAM	50	0	16.50	16.82	16.84	16.41	16.34	
10	256QAM	1	0	14.12	14.33	14.27	13.95	14.00	15
10	256QAM	1	25	14.07	14.18	14.21	13.98	13.80	
10	256QAM	1	49	14.07	14.37	14.25	13.79	13.93	
10	256QAM	25	0	14.04	14.39	14.41	13.94	13.87	15
10	256QAM	25	12	14.13	14.33	14.53	13.84	13.99	
10	256QAM	25	25	13.98	14.13	14.20	13.80	13.78	
10	256QAM	50	0	14.12	14.39	14.31	13.85	14.00	Tune-up limit (dBm)
Channel				39675	40148	40620	41093	41565	
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	19.57	19.58	19.62	19.34	19.37	20.00
5	QPSK	1	12	19.56	19.64	19.80	19.19	19.24	
5	QPSK	1	24	19.34	19.64	19.71	19.32	19.06	
5	QPSK	12	0	17.36	17.54	17.67	17.27	17.27	19
5	QPSK	12	7	17.38	17.65	17.74	17.45	17.42	
5	QPSK	12	13	17.55	17.72	17.91	17.29	17.20	
5	QPSK	25	0	17.41	17.63	17.86	17.42	17.39	19
5	16QAM	1	0	18.34	18.60	18.79	18.83	18.79	
5	16QAM	1	12	18.67	18.78	18.52	18.57	18.36	
5	16QAM	1	24	18.86	18.57	18.76	18.49	18.71	18
5	16QAM	12	0	16.38	16.69	16.67	16.37	16.44	
5	16QAM	12	7	16.63	16.67	16.76	16.46	16.29	
5	16QAM	12	13	16.41	16.75	16.93	16.33	16.42	18
5	16QAM	25	0	16.69	16.80	16.91	16.40	16.38	
5	64QAM	1	0	17.52	17.84	17.91	17.50	17.60	
5	64QAM	1	12	17.84	17.49	17.90	17.90	17.32	18
5	64QAM	1	24	17.46	17.74	17.83	17.37	17.69	
5	64QAM	12	0	16.54	16.60	16.81	16.21	16.21	
5	64QAM	12	7	16.50	16.71	16.76	16.53	16.35	17
5	64QAM	12	13	16.54	16.68	16.76	16.44	16.36	
5	64QAM	25	0	16.45	16.75	16.82	16.32	16.25	
5	256QAM	1	0	14.09	14.36	14.30	13.84	14.00	15
5	256QAM	1	12	13.95	14.25	14.22	13.85	13.96	
5	256QAM	1	24	13.99	14.38	14.22	13.85	13.94	
5	256QAM	12	0	14.01	14.25	14.30	13.95	13.88	15
5	256QAM	12	7	14.06	14.31	14.42	14.04	13.98	
5	256QAM	12	13	14.02	14.18	14.32	13.91	13.85	
5	256QAM	25	0	14.23	14.35	14.33	13.84	14.03	



<LTE Band 41\_HPUE\_Ant 0\_Sensor ON\_NB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	18.75	18.72	18.81	18.77	18.80	19
20	QPSK	1	49	18.74	18.71	18.80	18.76	18.79	
20	QPSK	1	99	18.71	18.68	18.77	18.73	18.76	
20	QPSK	50	0	18.49	18.46	18.55	18.51	18.54	19
20	QPSK	50	24	18.40	18.37	18.46	18.42	18.45	
20	QPSK	50	50	18.41	18.38	18.47	18.43	18.46	
20	QPSK	100	0	18.55	18.52	18.61	18.57	18.60	19
20	16QAM	1	0	18.69	18.67	18.61	18.69	18.66	
20	16QAM	1	49	18.58	18.62	18.61	18.66	18.70	
20	16QAM	1	99	18.59	18.54	18.67	18.70	18.63	19
20	16QAM	50	0	18.47	18.44	18.40	18.50	18.45	
20	16QAM	50	24	18.26	18.28	18.26	18.33	18.36	
20	16QAM	50	50	18.40	18.30	18.45	18.25	18.42	19
20	16QAM	100	0	18.51	18.46	18.61	18.55	18.54	
20	64QAM	1	0	18.66	18.53	18.66	18.72	18.71	
20	64QAM	1	49	18.72	18.68	18.71	18.68	18.71	19
20	64QAM	1	99	18.67	18.68	18.72	18.63	18.72	
20	64QAM	50	0	18.37	18.41	18.53	18.37	18.50	
20	64QAM	50	24	18.20	18.21	18.45	18.32	18.25	19
20	64QAM	50	50	18.41	18.18	18.42	18.32	18.42	
20	64QAM	100	0	18.37	18.50	18.41	18.57	18.48	
20	256QAM	1	0	18.61	18.57	18.62	18.69	18.77	19
20	256QAM	1	49	18.63	18.52	18.70	18.62	18.64	
20	256QAM	1	99	18.61	18.53	18.57	18.64	18.63	
20	256QAM	50	0	18.47	18.33	18.49	18.48	18.43	19
20	256QAM	50	24	18.27	18.21	18.43	18.33	18.44	
20	256QAM	50	50	18.32	18.38	18.37	18.33	18.40	
20	256QAM	100	0	18.48	18.36	18.49	18.41	18.45	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	18.73	18.56	18.74	18.58	18.71	19.00
15	QPSK	1	37	18.68	18.69	18.76	18.73	18.75	
15	QPSK	1	74	18.71	18.65	18.62	18.71	18.68	
15	QPSK	36	0	18.38	18.43	18.45	18.50	18.48	19
15	QPSK	36	20	18.26	18.18	18.26	18.26	18.30	
15	QPSK	36	39	18.39	18.25	18.45	18.26	18.32	
15	QPSK	75	0	18.52	18.37	18.42	18.43	18.55	19
15	16QAM	1	0	18.61	18.56	18.41	18.64	18.47	
15	16QAM	1	37	18.53	18.48	18.44	18.53	18.55	
15	16QAM	1	74	18.44	18.53	18.61	18.61	18.48	19
15	16QAM	36	0	18.31	18.36	18.26	18.44	18.36	
15	16QAM	36	20	18.17	18.16	18.11	18.20	18.30	
15	16QAM	36	39	18.39	18.30	18.27	18.15	18.36	19
15	16QAM	75	0	18.35	18.43	18.53	18.44	18.44	
15	64QAM	1	0	18.58	18.41	18.63	18.71	18.66	
15	64QAM	1	37	18.52	18.57	18.68	18.63	18.64	19
15	64QAM	1	74	18.48	18.59	18.63	18.50	18.56	
15	64QAM	36	0	18.34	18.32	18.47	18.31	18.47	
15	64QAM	36	20	18.02	18.01	18.30	18.27	18.18	19
15	64QAM	36	39	18.29	18.18	18.23	18.26	18.23	
15	64QAM	75	0	18.29	18.35	18.38	18.40	18.32	
15	256QAM	1	0	18.56	18.49	18.60	18.50	18.74	19
15	256QAM	1	37	18.48	18.48	18.51	18.56	18.48	
15	256QAM	1	74	18.60	18.33	18.44	18.52	18.56	
15	256QAM	36	0	18.29	18.22	18.38	18.31	18.37	19



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15	256QAM	36	20	18.09	18.12	18.40	18.23	18.29	
15	256QAM	36	39	18.15	18.25	18.24	18.13	18.35	
15	256QAM	75	0	18.33	18.23	18.41	18.25	18.31	
Channel				39700	40160	40620	41080	41540	Tune-up limit(dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	18.74	18.55	18.72	18.72	18.79	19.00
10	QPSK	1	25	18.54	18.54	18.65	18.73	18.69	
10	QPSK	1	49	18.55	18.67	18.67	18.64	18.72	
10	QPSK	25	0	18.41	18.26	18.53	18.50	18.39	19
10	QPSK	25	12	18.25	18.36	18.38	18.26	18.35	
10	QPSK	25	25	18.41	18.18	18.38	18.35	18.45	
10	QPSK	50	0	18.38	18.52	18.57	18.45	18.46	19
10	16QAM	1	0	18.55	18.62	18.43	18.66	18.65	
10	16QAM	1	25	18.55	18.62	18.59	18.60	18.59	
10	16QAM	1	49	18.45	18.48	18.57	18.62	18.50	19
10	16QAM	25	0	18.44	18.38	18.20	18.30	18.45	
10	16QAM	25	12	18.11	18.14	18.25	18.20	18.35	
10	16QAM	25	25	18.28	18.10	18.32	18.25	18.34	19
10	16QAM	50	0	18.32	18.38	18.46	18.52	18.47	
10	64QAM	1	0	18.62	18.50	18.53	18.65	18.56	
10	64QAM	1	25	18.59	18.56	18.68	18.48	18.56	19
10	64QAM	1	49	18.57	18.52	18.59	18.47	18.64	
10	64QAM	25	0	18.20	18.26	18.35	18.35	18.43	
10	64QAM	25	12	18.17	18.07	18.39	18.31	18.08	19
10	64QAM	25	25	18.39	18.14	18.26	18.23	18.26	
10	64QAM	50	0	18.33	18.50	18.31	18.54	18.37	
10	256QAM	1	0	18.41	18.45	18.62	18.49	18.73	19
10	256QAM	1	25	18.59	18.37	18.59	18.49	18.52	
10	256QAM	1	49	18.55	18.44	18.55	18.61	18.50	
10	256QAM	25	0	18.37	18.31	18.33	18.33	18.24	19
10	256QAM	25	12	18.23	18.12	18.34	18.22	18.32	
10	256QAM	25	25	18.29	18.36	18.25	18.23	18.20	
10	256QAM	50	0	18.43	18.17	18.37	18.24	18.25	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	18.67	18.56	18.81	18.71	18.62	19.00
5	QPSK	1	12	18.65	18.60	18.73	18.64	18.76	
5	QPSK	1	24	18.66	18.66	18.77	18.71	18.72	
5	QPSK	12	0	18.41	18.40	18.55	18.46	18.53	19
5	QPSK	12	7	18.22	18.35	18.38	18.38	18.40	
5	QPSK	12	13	18.28	18.26	18.42	18.23	18.43	
5	QPSK	25	0	18.51	18.32	18.57	18.38	18.57	19
5	16QAM	1	0	18.50	18.61	18.44	18.68	18.49	
5	16QAM	1	12	18.41	18.50	18.58	18.64	18.60	
5	16QAM	1	24	18.41	18.34	18.58	18.64	18.57	19
5	16QAM	12	0	18.34	18.31	18.35	18.41	18.25	
5	16QAM	12	7	18.22	18.24	18.17	18.23	18.18	
5	16QAM	12	13	18.23	18.16	18.34	18.23	18.24	19
5	16QAM	25	0	18.31	18.46	18.44	18.48	18.47	
5	64QAM	1	0	18.51	18.33	18.64	18.58	18.55	
5	64QAM	1	12	18.60	18.52	18.55	18.49	18.59	19
5	64QAM	1	24	18.63	18.62	18.68	18.46	18.53	
5	64QAM	12	0	18.37	18.31	18.52	18.23	18.44	
5	64QAM	12	7	18.00	18.05	18.30	18.23	18.11	19
5	64QAM	12	13	18.41	18.13	18.22	18.18	18.33	
5	64QAM	25	0	18.35	18.47	18.40	18.46	18.28	
5	256QAM	1	0	18.60	18.57	18.59	18.67	18.75	19
5	256QAM	1	12	18.45	18.32	18.65	18.52	18.47	
5	256QAM	1	24	18.52	18.43	18.43	18.50	18.45	
5	256QAM	12	0	18.32	18.14	18.43	18.37	18.30	19
5	256QAM	12	7	18.10	18.03	18.31	18.23	18.40	
5	256QAM	12	13	18.32	18.19	18.20	18.13	18.21	
5	256QAM	25	0	18.33	18.34	18.42	18.26	18.25	





<LTE Band 41\_HPUE\_Ant 0\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	16.76	16.99	17.21	16.81	16.83	17.5
20	QPSK	1	49	16.56	17.07	17.19	16.70	16.67	
20	QPSK	1	99	16.52	16.93	17.00	16.72	16.30	
20	QPSK	50	0	15.79	16.41	16.42	16.02	16.01	16.5
20	QPSK	50	24	15.72	16.37	16.39	15.97	16.07	
20	QPSK	50	50	15.66	16.27	16.36	15.99	16.09	
20	QPSK	100	0	15.78	16.36	16.45	16.08	16.05	16.5
20	16QAM	1	0	15.60	15.96	16.46	16.22	16.19	
20	16QAM	1	49	15.68	16.29	16.32	15.90	15.87	
20	16QAM	1	99	15.81	16.28	16.36	15.88	16.22	15.5
20	16QAM	50	0	14.35	15.01	15.15	14.63	14.70	
20	16QAM	50	24	14.41	15.19	15.22	14.78	14.71	
20	16QAM	50	50	14.41	15.06	14.73	14.63	14.62	15.5
20	16QAM	100	0	14.44	15.23	15.15	14.68	14.74	
20	64QAM	1	0	14.34	15.00	14.83	14.29	14.61	
20	64QAM	1	49	14.48	14.83	15.00	14.95	14.26	15.5
20	64QAM	1	99	14.45	14.79	15.22	14.30	14.87	
20	64QAM	50	0	14.18	14.08	13.99	14.13	14.54	
20	64QAM	50	24	13.91	14.08	14.16	14.22	14.69	14.5
20	64QAM	50	50	13.89	14.16	14.09	14.18	14.10	
20	64QAM	100	0	13.84	14.11	14.28	14.24	14.09	
20	256QAM	1	0	11.34	12.03	12.08	11.81	11.69	12.5
20	256QAM	1	49	11.33	12.15	12.23	11.84	11.71	
20	256QAM	1	99	11.46	12.03	12.12	11.90	11.60	
20	256QAM	50	0	11.36	12.20	12.20	11.76	11.74	12.5
20	256QAM	50	24	11.50	12.03	12.13	11.75	11.84	
20	256QAM	50	50	11.43	12.01	12.16	11.72	11.72	
20	256QAM	100	0	11.53	12.14	12.10	11.79	11.82	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	16.61	16.95	17.19	16.61	16.74	17.50
15	QPSK	1	37	16.54	16.95	17.17	16.54	16.60	
15	QPSK	1	74	16.44	16.83	17.00	16.68	16.22	
15	QPSK	36	0	15.77	16.30	16.42	15.89	15.81	16.5
15	QPSK	36	20	15.61	16.31	16.24	15.93	16.01	
15	QPSK	36	39	15.60	16.22	16.29	15.88	16.09	
15	QPSK	75	0	15.76	16.19	16.41	16.08	16.05	16.5
15	16QAM	1	0	15.59	15.81	16.35	16.09	16.03	
15	16QAM	1	37	15.65	16.26	16.20	15.80	15.81	
15	16QAM	1	74	15.64	16.26	16.17	15.84	16.05	15.5
15	16QAM	36	0	14.34	14.83	15.08	14.62	14.53	
15	16QAM	36	20	14.40	15.04	15.03	14.70	14.58	
15	16QAM	36	39	14.31	14.90	14.64	14.44	14.59	15.5
15	16QAM	75	0	14.36	15.17	15.15	14.56	14.63	
15	64QAM	1	0	14.24	14.98	14.76	14.12	14.43	
15	64QAM	1	37	14.36	14.78	15.00	14.83	14.24	15.5
15	64QAM	1	74	14.35	14.65	15.21	14.21	14.72	
15	64QAM	36	0	14.18	13.99	13.79	14.03	14.54	
15	64QAM	36	20	13.72	14.03	14.00	14.04	14.53	14.5
15	64QAM	36	39	13.89	14.10	13.98	14.09	13.97	
15	64QAM	75	0	13.67	14.07	14.22	14.14	14.03	
15	256QAM	1	0	11.25	11.89	12.00	11.76	11.65	12.5
15	256QAM	1	37	11.18	12.13	12.07	11.69	11.64	
15	256QAM	1	74	11.27	11.94	12.07	11.85	11.60	
15	256QAM	36	0	11.36	12.20	12.12	11.68	11.73	12.5



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15	256QAM	36	20	11.36	11.97	12.13	11.57	11.65	
15	256QAM	36	39	11.41	11.84	12.06	11.72	11.67	
15	256QAM	75	0	11.52	11.99	11.99	11.60	11.80	
Channel				39700	40160	40620	41080	41540	Tune-up limit(dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	16.67	16.94	17.14	16.76	16.63	17.50
10	QPSK	1	25	16.56	16.96	17.11	16.59	16.61	
10	QPSK	1	49	16.39	16.75	16.88	16.53	16.29	
10	QPSK	25	0	15.76	16.38	16.41	15.87	15.97	16.5
10	QPSK	25	12	15.69	16.35	16.19	15.91	15.96	
10	QPSK	25	25	15.57	16.19	16.31	15.80	16.03	
10	QPSK	50	0	15.76	16.32	16.26	16.08	15.86	16.5
10	16QAM	1	0	15.44	15.93	16.46	16.16	16.04	
10	16QAM	1	25	15.66	16.26	16.12	15.70	15.76	
10	16QAM	1	49	15.73	16.08	16.32	15.81	16.11	15.5
10	16QAM	25	0	14.22	14.96	14.98	14.52	14.68	
10	16QAM	25	12	14.34	15.09	15.20	14.66	14.54	
10	16QAM	25	25	14.24	14.86	14.67	14.57	14.42	15.5
10	16QAM	50	0	14.33	15.17	15.10	14.58	14.66	
10	64QAM	1	0	14.16	14.84	14.77	14.17	14.45	
10	64QAM	1	25	14.36	14.81	15.00	14.80	14.11	15.5
10	64QAM	1	49	14.32	14.77	15.14	14.23	14.76	
10	64QAM	25	0	14.13	14.06	13.93	13.94	14.37	
10	64QAM	25	12	13.86	13.88	14.16	14.16	14.54	14.5
10	64QAM	25	25	13.74	14.13	14.03	14.05	14.06	
10	64QAM	50	0	13.66	14.10	14.21	14.09	13.95	
10	256QAM	1	0	11.23	11.88	12.02	11.74	11.59	12.5
10	256QAM	1	25	11.29	11.96	12.23	11.66	11.63	
10	256QAM	1	49	11.38	11.94	12.06	11.85	11.51	
10	256QAM	25	0	11.26	12.16	12.19	11.65	11.63	12.5
10	256QAM	25	12	11.50	12.02	12.03	11.58	11.73	
10	256QAM	25	25	11.35	11.94	12.01	11.64	11.55	
10	256QAM	50	0	11.49	12.11	11.98	11.60	11.69	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	16.57	16.88	17.02	16.72	16.73	17.50
5	QPSK	1	12	16.45	17.02	17.04	16.54	16.53	
5	QPSK	1	24	16.40	16.82	16.96	16.60	16.18	
5	QPSK	12	0	15.74	16.41	16.28	15.96	15.90	16.5
5	QPSK	12	7	15.69	16.27	16.25	15.78	15.89	
5	QPSK	12	13	15.53	16.19	16.16	15.93	15.92	
5	QPSK	25	0	15.73	16.31	16.40	16.06	15.97	16.5
5	16QAM	1	0	15.40	15.80	16.40	16.02	16.19	
5	16QAM	1	12	15.59	16.20	16.26	15.71	15.67	
5	16QAM	1	24	15.63	16.13	16.27	15.72	16.07	15.5
5	16QAM	12	0	14.20	14.94	15.12	14.51	14.59	
5	16QAM	12	7	14.28	15.02	15.13	14.77	14.71	
5	16QAM	12	13	14.38	14.87	14.72	14.62	14.46	15.5
5	16QAM	25	0	14.37	15.18	15.03	14.60	14.66	
5	64QAM	1	0	14.18	14.90	14.78	14.24	14.45	
5	64QAM	1	12	14.44	14.63	14.93	14.77	14.06	15.5
5	64QAM	1	24	14.36	14.75	15.16	14.16	14.79	
5	64QAM	12	0	14.02	14.08	13.87	13.99	14.40	
5	64QAM	12	7	13.91	13.97	14.03	14.04	14.56	14.5
5	64QAM	12	13	13.82	14.05	14.09	14.09	13.95	
5	64QAM	25	0	13.68	13.98	14.11	14.15	14.06	
5	256QAM	1	0	11.23	11.92	12.07	11.63	11.67	12.5
5	256QAM	1	12	11.16	12.09	12.05	11.68	11.69	
5	256QAM	1	24	11.38	11.86	12.00	11.76	11.57	
5	256QAM	12	0	11.21	12.14	12.14	11.73	11.62	12.5
5	256QAM	12	7	11.41	11.90	12.13	11.71	11.79	
5	256QAM	12	13	11.27	11.97	12.01	11.56	11.59	
5	256QAM	25	0	11.46	12.14	12.08	11.65	11.70	



<LTE Band 41\_HPUE\_Ant 2\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	15.96	16.11	16.24	16.20	15.84	16.5
20	QPSK	1	49	15.88	16.03	16.22	16.18	15.82	
20	QPSK	1	99	15.89	16.04	16.21	16.17	15.81	
20	QPSK	50	0	15.90	16.05	16.23	16.19	15.83	16.5
20	QPSK	50	24	15.85	16.00	16.18	16.14	15.78	
20	QPSK	50	50	15.87	16.02	16.10	16.06	15.70	
20	QPSK	100	0	15.90	16.05	16.20	16.16	15.80	16.5
20	16QAM	1	0	15.95	15.93	16.22	16.20	15.72	
20	16QAM	1	49	15.69	15.96	16.13	16.17	15.75	
20	16QAM	1	99	15.79	15.91	16.18	16.08	15.66	16.5
20	16QAM	50	0	15.87	15.85	16.03	16.01	15.80	
20	16QAM	50	24	15.64	15.83	16.11	16.09	15.60	
20	16QAM	50	50	15.82	15.92	15.94	15.97	15.57	16.5
20	16QAM	100	0	15.88	15.89	16.08	16.13	15.66	
20	64QAM	1	0	15.88	16.10	16.20	16.20	15.75	
20	64QAM	1	49	15.76	15.96	16.20	16.10	15.65	16.5
20	64QAM	1	99	15.77	15.85	16.10	15.98	15.77	
20	64QAM	50	0	15.78	15.91	16.07	16.05	15.63	
20	64QAM	50	24	15.65	15.90	16.18	15.94	15.73	16.5
20	64QAM	50	50	15.83	15.91	15.97	15.88	15.63	
20	64QAM	100	0	15.75	15.89	16.05	16.11	15.66	
20	256QAM	1	0	15.81	15.99	16.04	16.19	15.84	16.5
20	256QAM	1	49	15.84	15.83	16.16	16.07	15.63	
20	256QAM	1	99	15.87	15.99	16.14	16.00	15.61	
20	256QAM	50	0	15.88	15.87	16.18	16.09	15.82	16.5
20	256QAM	50	24	15.82	15.88	16.13	16.12	15.71	
20	256QAM	50	50	15.79	15.96	16.00	15.95	15.65	
20	256QAM	100	0	15.89	16.02	16.01	16.06	15.70	
Channel				39725	40173	40620	41068	41515	Tune-up limit
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	(dBm)
15	QPSK	1	0	15.87	16.02	16.09	16.15	15.75	16.50
15	QPSK	1	37	15.74	15.95	16.13	16.06	15.62	
15	QPSK	1	74	15.72	16.01	16.15	16.09	15.65	
15	QPSK	36	0	15.76	15.84	16.16	16.07	15.75	16.5
15	QPSK	36	20	15.79	15.84	16.04	16.10	15.64	
15	QPSK	36	39	15.80	15.92	15.90	16.02	15.61	
15	QPSK	75	0	15.76	16.03	16.16	16.08	15.68	16.5
15	16QAM	1	0	15.93	15.88	16.06	16.11	15.57	
15	16QAM	1	37	15.50	15.79	15.94	16.12	15.75	
15	16QAM	1	74	15.74	15.82	16.03	15.91	15.60	16.5
15	16QAM	36	0	15.71	15.80	15.90	15.90	15.69	
15	16QAM	36	20	15.48	15.83	16.03	15.93	15.41	
15	16QAM	36	39	15.66	15.72	15.89	15.92	15.42	16.5
15	16QAM	75	0	15.77	15.85	16.05	15.96	15.58	
15	64QAM	1	0	15.70	15.92	16.17	16.20	15.74	
15	64QAM	1	37	15.74	15.89	16.02	15.96	15.47	16.5
15	64QAM	1	74	15.76	15.81	16.02	15.82	15.65	
15	64QAM	36	0	15.69	15.89	15.97	15.89	15.52	
15	64QAM	36	20	15.46	15.77	16.07	15.89	15.63	16.5
15	64QAM	36	39	15.68	15.73	15.82	15.68	15.52	
15	64QAM	75	0	15.73	15.72	15.94	15.98	15.53	
15	256QAM	1	0	15.70	15.88	16.02	16.13	15.80	16.5
15	256QAM	1	37	15.74	15.74	16.13	15.99	15.56	
15	256QAM	1	74	15.68	15.98	16.13	15.90	15.47	
15	256QAM	36	0	15.82	15.68	16.00	15.89	15.72	16.5



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15	256QAM	36	20	15.79	15.71	16.01	16.03	15.59	
15	256QAM	36	39	15.72	15.86	15.98	15.82	15.51	
15	256QAM	75	0	15.73	15.87	15.94	15.96	15.51	
Channel				39700	40160	40620	41080	41540	Tune-up limit(dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	15.93	16.06	16.20	16.11	15.75	16.50
10	QPSK	1	25	15.71	15.97	16.11	16.06	15.76	
10	QPSK	1	49	15.79	15.98	16.15	16.02	15.80	
10	QPSK	25	0	15.85	16.01	16.04	16.08	15.76	16.5
10	QPSK	25	12	15.78	15.94	16.00	15.96	15.58	
10	QPSK	25	25	15.70	15.88	15.91	15.86	15.56	
10	QPSK	50	0	15.72	15.90	16.15	16.02	15.67	16.5
10	16QAM	1	0	15.79	15.77	16.05	16.06	15.61	
10	16QAM	1	25	15.68	15.80	16.04	16.00	15.62	
10	16QAM	1	49	15.65	15.74	15.99	15.99	15.62	16.5
10	16QAM	25	0	15.71	15.85	15.93	15.91	15.79	
10	16QAM	25	12	15.58	15.69	15.92	16.03	15.41	
10	16QAM	25	25	15.62	15.76	15.78	15.78	15.55	16.5
10	16QAM	50	0	15.77	15.87	16.06	16.08	15.51	
10	64QAM	1	0	15.80	16.04	16.10	16.18	15.55	
10	64QAM	1	25	15.75	15.86	16.20	16.08	15.64	16.5
10	64QAM	1	49	15.57	15.84	15.90	15.91	15.58	
10	64QAM	25	0	15.72	15.75	16.07	16.01	15.54	
10	64QAM	25	12	15.58	15.86	16.00	15.88	15.70	16.5
10	64QAM	25	25	15.65	15.75	15.96	15.83	15.59	
10	64QAM	50	0	15.55	15.82	15.93	16.01	15.50	
10	256QAM	1	0	15.76	15.84	15.86	16.06	15.79	16.5
10	256QAM	1	25	15.73	15.79	16.01	15.90	15.51	
10	256QAM	1	49	15.87	15.96	15.95	15.93	15.43	
10	256QAM	25	0	15.73	15.74	16.04	15.96	15.82	16.5
10	256QAM	25	12	15.72	15.69	15.94	16.01	15.58	
10	256QAM	25	25	15.75	15.87	15.97	15.82	15.46	
10	256QAM	50	0	15.77	16.00	15.92	15.99	15.56	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	15.83	15.95	16.21	16.11	15.76	16.50
5	QPSK	1	12	15.83	15.85	16.21	16.05	15.67	
5	QPSK	1	24	15.84	15.95	16.15	16.02	15.61	
5	QPSK	12	0	15.80	15.87	16.12	16.17	15.72	16.5
5	QPSK	12	7	15.82	15.86	16.07	16.08	15.67	
5	QPSK	12	13	15.81	16.01	15.90	16.00	15.70	
5	QPSK	25	0	15.88	15.92	16.13	16.05	15.66	16.5
5	16QAM	1	0	15.92	15.90	16.15	16.00	15.61	
5	16QAM	1	12	15.58	15.86	15.95	16.02	15.61	
5	16QAM	1	24	15.74	15.75	16.01	15.89	15.63	16.5
5	16QAM	12	0	15.67	15.82	15.92	15.88	15.72	
5	16QAM	12	7	15.60	15.73	16.00	15.93	15.56	
5	16QAM	12	13	15.68	15.79	15.83	15.80	15.57	16.5
5	16QAM	25	0	15.82	15.88	16.04	16.12	15.63	
5	64QAM	1	0	15.80	16.00	16.19	16.02	15.62	
5	64QAM	1	12	15.71	15.80	16.00	16.10	15.47	16.5
5	64QAM	1	24	15.74	15.66	16.03	15.91	15.61	
5	64QAM	12	0	15.68	15.91	15.91	16.01	15.50	
5	64QAM	12	7	15.63	15.75	16.11	15.93	15.59	16.5
5	64QAM	12	13	15.76	15.76	15.79	15.68	15.51	
5	64QAM	25	0	15.56	15.86	15.94	15.95	15.54	
5	256QAM	1	0	15.65	15.79	15.94	15.99	15.82	16.5
5	256QAM	1	12	15.76	15.64	15.97	15.93	15.60	
5	256QAM	1	24	15.68	15.81	15.97	15.82	15.56	
5	256QAM	12	0	15.79	15.80	16.17	15.99	15.82	16.5
5	256QAM	12	7	15.80	15.77	15.95	16.06	15.59	
5	256QAM	12	13	15.78	15.93	15.91	15.84	15.57	
5	256QAM	25	0	15.86	16.00	15.83	15.98	15.53	



<LTE Band 42\_Ant 0\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43190	43340	43490	
Frequency (MHz)				3560	3575	3590	
20	QPSK	1	0	21.75	21.78	21.90	22
20	QPSK	1	49	21.74	21.77	21.89	
20	QPSK	1	99	21.66	21.69	21.81	
20	QPSK	50	0	21.55	21.58	21.70	22
20	QPSK	50	24	21.50	21.53	21.65	
20	QPSK	50	50	21.48	21.51	21.63	
20	QPSK	100	0	21.50	21.53	21.65	22
20	16QAM	1	0	21.43	21.46	21.58	
20	16QAM	1	49	21.37	21.40	21.52	
20	16QAM	1	99	21.41	21.44	21.56	22
20	16QAM	50	0	21.51	21.54	21.66	
20	16QAM	50	24	21.31	21.34	21.46	
20	16QAM	50	50	21.41	21.44	21.56	22
20	16QAM	100	0	21.48	21.51	21.63	
20	64QAM	1	0	21.62	21.65	21.77	
20	64QAM	1	49	21.63	21.66	21.78	22
20	64QAM	1	99	21.67	21.70	21.82	
20	64QAM	50	0	21.06	21.09	21.21	
20	64QAM	50	24	21.63	21.66	21.78	22
20	64QAM	50	50	21.67	21.70	21.82	
20	64QAM	100	0	21.68	21.71	21.83	
20	256QAM	1	0	18.68	18.71	18.81	19.5
20	256QAM	1	49	18.64	18.67	18.77	
20	256QAM	1	99	18.73	18.76	18.86	
20	256QAM	50	0	19.10	19.12	19.23	19.5
20	256QAM	50	24	18.99	19.02	19.12	
20	256QAM	50	50	19.07	19.09	19.20	
20	256QAM	100	0	19.10	19.12	19.23	
Channel				43165	43340	43515	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3575	3592.5	
15	QPSK	1	0	21.66	21.59	21.85	22
15	QPSK	1	37	21.55	21.73	21.73	
15	QPSK	1	74	21.46	21.67	21.78	
15	QPSK	36	0	21.55	21.40	21.57	22
15	QPSK	36	20	21.33	21.35	21.61	
15	QPSK	36	39	21.43	21.45	21.61	
15	QPSK	75	0	21.34	21.45	21.62	22
15	16QAM	1	0	21.36	21.33	21.47	
15	16QAM	1	37	21.34	21.24	21.46	
15	16QAM	1	74	21.30	21.33	21.56	22
15	16QAM	36	0	21.37	21.42	21.55	
15	16QAM	36	20	21.27	21.16	21.28	
15	16QAM	36	39	21.27	21.29	21.48	22
15	16QAM	75	0	21.39	21.34	21.56	
15	64QAM	1	0	21.43	21.60	21.76	
15	64QAM	1	37	21.61	21.53	21.58	22
15	64QAM	1	74	21.62	21.59	21.74	
15	64QAM	36	0	21.04	20.96	21.07	
15	64QAM	36	20	21.58	21.54	21.64	22
15	64QAM	36	39	21.61	21.65	21.63	
15	64QAM	75	0	21.57	21.53	21.69	
15	256QAM	1	0	18.62	18.63	18.70	19.5
15	256QAM	1	37	18.62	18.66	18.65	
15	256QAM	1	74	18.69	18.74	18.73	
15	256QAM	36	0	18.95	19.05	19.11	19.5



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15	256QAM	36	20	18.94	18.86	19.10	
15	256QAM	36	39	18.87	18.99	19.11	
15	256QAM	75	0	18.97	19.12	19.08	
Channel				43140	43340	43540	Tune-up limit(dBm)
Frequency (MHz)				3555	3575	3595	
10	QPSK	1	0	21.73	21.58	21.88	22
10	QPSK	1	25	21.67	21.77	21.81	
10	QPSK	1	49	21.56	21.49	21.62	
10	QPSK	25	0	21.46	21.53	21.53	22
10	QPSK	25	12	21.38	21.41	21.46	
10	QPSK	25	25	21.32	21.48	21.58	
10	QPSK	50	0	21.33	21.48	21.63	22
10	16QAM	1	0	21.26	21.44	21.51	
10	16QAM	1	25	21.29	21.29	21.44	
10	16QAM	1	49	21.31	21.37	21.49	22
10	16QAM	25	0	21.33	21.54	21.56	
10	16QAM	25	12	21.23	21.18	21.40	
10	16QAM	25	25	21.27	21.38	21.41	22
10	16QAM	50	0	21.31	21.47	21.49	
10	64QAM	1	0	21.56	21.57	21.69	
10	64QAM	1	25	21.45	21.57	21.78	22
10	64QAM	1	49	21.59	21.59	21.82	
10	64QAM	25	0	21.02	20.94	21.08	
10	64QAM	25	12	21.52	21.47	21.61	22
10	64QAM	25	25	21.67	21.50	21.75	
10	64QAM	50	0	21.51	21.66	21.72	
10	256QAM	1	0	18.60	18.56	18.77	19.5
10	256QAM	1	25	18.55	18.50	18.77	
10	256QAM	1	49	18.62	18.65	18.79	
10	256QAM	25	0	19.09	19.12	19.06	19.5
10	256QAM	25	12	18.95	18.86	18.95	
10	256QAM	25	25	18.96	19.04	19.19	
10	256QAM	50	0	18.96	19.00	19.20	
Channel				43115	43340	43565	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3575	3597.5	
5	QPSK	1	0	21.65	21.62	21.85	22
5	QPSK	1	12	21.62	21.63	21.76	
5	QPSK	1	24	21.63	21.63	21.70	
5	QPSK	12	0	21.49	21.40	21.64	22
5	QPSK	12	7	21.34	21.44	21.59	
5	QPSK	12	13	21.47	21.46	21.50	
5	QPSK	25	0	21.43	21.40	21.62	22
5	16QAM	1	0	21.31	21.45	21.56	
5	16QAM	1	12	21.29	21.36	21.49	
5	16QAM	1	24	21.22	21.33	21.40	22
5	16QAM	12	0	21.41	21.39	21.46	
5	16QAM	12	7	21.15	21.29	21.32	
5	16QAM	12	13	21.36	21.41	21.44	22
5	16QAM	25	0	21.32	21.34	21.62	
5	64QAM	1	0	21.53	21.52	21.75	
5	64QAM	1	12	21.57	21.62	21.68	22
5	64QAM	1	24	21.54	21.62	21.77	
5	64QAM	12	0	20.86	20.91	21.07	
5	64QAM	12	7	21.58	21.50	21.59	22
5	64QAM	12	13	21.66	21.68	21.69	
5	64QAM	25	0	21.63	21.61	21.76	
5	256QAM	1	0	18.68	18.53	18.81	19.5
5	256QAM	1	12	18.58	18.47	18.65	
5	256QAM	1	24	18.58	18.62	18.70	
5	256QAM	12	0	18.90	19.09	19.07	19.5
5	256QAM	12	7	18.79	18.97	19.02	
5	256QAM	12	13	18.95	18.97	19.18	
5	256QAM	25	0	18.95	18.99	19.11	



<LTE Band 42\_Ant 2\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43190	43340	43490	
Frequency (MHz)				3560	3575	3590	
20	QPSK	1	0	21.81	21.85	21.88	22
20	QPSK	1	49	21.77	21.81	21.84	
20	QPSK	1	99	21.73	21.77	21.80	
20	QPSK	50	0	21.79	21.83	21.86	22
20	QPSK	50	24	21.77	21.81	21.84	
20	QPSK	50	50	21.73	21.77	21.80	
20	QPSK	100	0	21.77	21.81	21.84	22
20	16QAM	1	0	21.80	21.84	21.87	
20	16QAM	1	49	21.77	21.81	21.84	
20	16QAM	1	99	21.79	21.83	21.86	21.5
20	16QAM	50	0	21.16	21.20	21.23	
20	16QAM	50	24	21.13	21.17	21.20	
20	16QAM	50	50	21.14	21.18	21.21	21
20	16QAM	100	0	21.23	21.27	21.30	
20	64QAM	1	0	20.80	20.84	20.87	
20	64QAM	1	49	20.67	20.71	20.74	20.5
20	64QAM	1	99	20.70	20.74	20.77	
20	64QAM	50	0	20.14	20.18	20.21	
20	64QAM	50	24	20.12	20.16	20.19	18.5
20	64QAM	50	50	20.05	20.09	20.12	
20	64QAM	100	0	20.05	20.09	20.12	
20	256QAM	1	0	17.84	17.87	17.90	18.5
20	256QAM	1	49	17.82	17.85	17.88	
20	256QAM	1	99	17.78	17.81	17.84	
20	256QAM	50	0	18.16	18.19	18.22	18.5
20	256QAM	50	24	18.12	18.15	18.18	
20	256QAM	50	50	18.10	18.13	18.16	
20	256QAM	100	0	18.01	18.04	18.07	
Channel				21.21	21.13	21.24	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3575	3592.5	
15	QPSK	1	0	21.67	21.73	21.79	22
15	QPSK	1	37	21.57	21.81	21.70	
15	QPSK	1	74	21.61	21.61	21.70	
15	QPSK	36	0	21.73	21.63	21.73	22
15	QPSK	36	20	21.61	21.71	21.66	
15	QPSK	36	39	21.73	21.68	21.78	
15	QPSK	75	0	21.60	21.62	21.74	22
15	16QAM	1	0	21.64	21.64	21.79	
15	16QAM	1	37	21.61	21.72	21.82	
15	16QAM	1	74	21.63	21.70	21.71	21.5
15	16QAM	36	0	21.01	21.04	21.21	
15	16QAM	36	20	21.05	21.04	21.11	
15	16QAM	36	39	21.07	21.03	21.10	21
15	16QAM	75	0	21.22	21.27	21.24	
15	64QAM	1	0	20.80	20.84	20.81	
15	64QAM	1	37	20.56	20.66	20.57	20.5
15	64QAM	1	74	20.50	20.69	20.65	
15	64QAM	36	0	20.10	20.08	20.04	
15	64QAM	36	20	20.06	20.05	20.13	18.5
15	64QAM	36	39	20.02	20.07	20.05	
15	64QAM	75	0	20.01	19.99	19.94	
15	256QAM	1	0	17.73	17.85	17.79	18.5
15	256QAM	1	37	17.67	17.67	17.71	
15	256QAM	1	74	17.71	17.66	17.76	
15	256QAM	36	0	18.16	18.08	18.21	18.5



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15	256QAM	36	20	18.06	17.96	18.01	
15	256QAM	36	39	18.10	18.11	18.13	
15	256QAM	75	0	17.97	17.85	18.05	
Channel				43140	43340	43540	Tune-up limit(dBm)
Frequency (MHz)				3555	3575	3595	
10	QPSK	1	0	21.76	21.66	21.80	22
10	QPSK	1	25	21.65	21.81	21.83	
10	QPSK	1	49	21.68	21.60	21.77	
10	QPSK	25	0	21.70	21.81	21.71	22
10	QPSK	25	12	21.71	21.65	21.65	
10	QPSK	25	25	21.65	21.58	21.76	
10	QPSK	50	0	21.72	21.69	21.74	22
10	16QAM	1	0	21.66	21.79	21.74	
10	16QAM	1	25	21.57	21.68	21.82	
10	16QAM	1	49	21.72	21.69	21.81	21.5
10	16QAM	25	0	21.09	21.10	21.19	
10	16QAM	25	12	21.02	21.03	21.12	
10	16QAM	25	25	21.13	21.06	21.21	21
10	16QAM	50	0	21.03	21.13	21.19	
10	64QAM	1	0	20.74	20.67	20.73	
10	64QAM	1	25	20.56	20.60	20.65	20.5
10	64QAM	1	49	20.54	20.70	20.74	
10	64QAM	25	0	19.97	20.03	20.17	
10	64QAM	25	12	19.95	20.15	20.00	18.5
10	64QAM	25	25	19.96	19.96	19.96	
10	64QAM	50	0	20.04	19.91	20.05	
10	256QAM	1	0	17.70	17.83	17.90	18.5
10	256QAM	1	25	17.79	17.67	17.77	
10	256QAM	1	49	17.72	17.68	17.74	
10	256QAM	25	0	18.14	18.10	18.04	18.5
10	256QAM	25	12	18.06	17.99	18.08	
10	256QAM	25	25	17.99	17.97	17.99	
10	256QAM	50	0	18.01	17.93	18.02	Tune-up limit (dBm)
Channel				43115	43340	43565	
Frequency (MHz)				3552.5	3575	3597.5	
5	QPSK	1	0	21.68	21.85	21.68	22
5	QPSK	1	12	21.76	21.71	21.84	
5	QPSK	1	24	21.68	21.74	21.67	
5	QPSK	12	0	21.69	21.65	21.71	22
5	QPSK	12	7	21.59	21.67	21.65	
5	QPSK	12	13	21.57	21.63	21.67	
5	QPSK	25	0	21.76	21.63	21.84	22
5	16QAM	1	0	21.75	21.76	21.76	
5	16QAM	1	12	21.69	21.81	21.72	
5	16QAM	1	24	21.68	21.80	21.80	21.5
5	16QAM	12	0	20.99	21.19	21.19	
5	16QAM	12	7	20.98	21.05	21.00	
5	16QAM	12	13	21.12	21.08	21.09	21
5	16QAM	25	0	21.17	21.27	21.17	
5	64QAM	1	0	20.62	20.83	20.84	
5	64QAM	1	12	20.57	20.57	20.60	20.5
5	64QAM	1	24	20.53	20.71	20.61	
5	64QAM	12	0	20.12	20.10	20.19	
5	64QAM	12	7	20.06	20.03	20.16	18.5
5	64QAM	12	13	19.99	20.09	20.12	
5	64QAM	25	0	20.03	20.07	19.93	
5	256QAM	1	0	17.82	17.85	17.71	18.5
5	256QAM	1	12	17.80	17.84	17.84	
5	256QAM	1	24	17.76	17.72	17.81	
5	256QAM	12	0	18.05	18.18	18.03	18.5
5	256QAM	12	7	18.05	18.08	18.07	
5	256QAM	12	13	18.00	18.04	18.01	
5	256QAM	25	0	17.84	18.04	17.87	





<LTE Band 42\_Ant 0\_Sensor ON\_NB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43190	43340	43490	
Frequency (MHz)				3560	3575	3590	
20	QPSK	1	0	15.63	15.60	15.92	16
20	QPSK	1	49	15.42	15.51	15.76	
20	QPSK	1	99	15.38	15.53	15.61	
20	QPSK	50	0	15.52	15.67	15.80	16
20	QPSK	50	24	15.50	15.47	15.64	
20	QPSK	50	50	15.35	15.65	15.62	
20	QPSK	100	0	15.43	15.58	15.83	16
20	16QAM	1	0	15.50	15.68	15.74	
20	16QAM	1	49	15.40	15.48	15.64	
20	16QAM	1	99	15.30	15.33	15.63	16
20	16QAM	50	0	15.10	15.20	15.48	
20	16QAM	50	24	15.34	15.43	15.57	
20	16QAM	50	50	15.37	15.34	15.62	16
20	16QAM	100	0	15.34	15.39	15.65	
20	64QAM	1	0	15.42	15.68	15.66	
20	64QAM	1	49	15.41	15.37	15.47	16
20	64QAM	1	99	15.35	15.33	15.54	
20	64QAM	50	0	15.14	15.24	15.57	
20	64QAM	50	24	15.42	15.39	15.64	16
20	64QAM	50	50	15.20	15.38	15.58	
20	64QAM	100	0	15.47	15.52	15.79	
20	256QAM	1	0	15.38	15.60	15.51	16
20	256QAM	1	49	15.31	15.25	15.37	
20	256QAM	1	99	15.23	15.29	15.37	
20	256QAM	50	0	15.01	15.15	15.42	16
20	256QAM	50	24	15.42	15.24	15.64	
20	256QAM	50	50	15.13	15.27	15.49	
20	256QAM	100	0	15.38	15.52	15.65	
Channel				43165	43340	43515	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3575	3592.5	
15	QPSK	1	0	15.48	15.58	15.86	16
15	QPSK	1	37	15.29	15.46	15.58	
15	QPSK	1	74	15.27	15.45	15.44	
15	QPSK	36	0	15.32	15.33	15.53	16
15	QPSK	36	20	15.36	15.47	15.52	
15	QPSK	36	39	15.34	15.65	15.71	
15	QPSK	75	0	15.31	15.48	15.74	16
15	16QAM	1	0	15.30	15.59	15.62	
15	16QAM	1	37	15.36	15.42	15.61	
15	16QAM	1	74	15.28	15.26	15.54	16
15	16QAM	36	0	15.08	15.07	15.36	
15	16QAM	36	20	15.21	15.28	15.41	
15	16QAM	36	39	15.31	15.20	15.53	16
15	16QAM	75	0	15.30	15.34	15.52	
15	64QAM	1	0	15.27	15.56	15.62	
15	64QAM	1	37	15.35	15.17	15.30	16
15	64QAM	1	74	15.19	15.23	15.38	
15	64QAM	36	0	15.07	15.05	15.46	
15	64QAM	36	20	15.28	15.20	15.60	16
15	64QAM	36	39	15.09	15.22	15.52	
15	64QAM	75	0	15.47	15.42	15.64	
15	256QAM	1	0	15.24	15.49	15.48	16
15	256QAM	1	37	15.15	15.06	15.17	
15	256QAM	1	74	15.08	15.21	15.32	
15	256QAM	36	0	15.14	15.05	15.40	16



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15	256QAM	36	20	15.39	15.18	15.61		
15	256QAM	36	39	15.01	15.13	15.35		
15	256QAM	75	0	15.29	15.47	15.45		
Channel				43140	43340	43540	Tune-up limit(dBm)	
Frequency (MHz)				3555	3575	3595		
10	QPSK	1	0	15.59	15.43	15.78	16	
10	QPSK	1	25	15.37	15.46	15.63		
10	QPSK	1	49	15.31	15.50	15.47		
10	QPSK	25	0	15.14	15.32	15.57	16	
10	QPSK	25	12	15.43	15.37	15.64		
10	QPSK	25	25	15.18	15.51	15.80		
10	QPSK	50	0	15.24	15.39	15.71	16	
10	16QAM	1	0	15.30	15.60	15.61		
10	16QAM	1	25	15.37	15.45	15.53		
10	16QAM	1	49	15.26	15.23	15.55	16	
10	16QAM	25	0	15.02	15.03	15.32		
10	16QAM	25	12	15.15	15.31	15.38		
10	16QAM	25	25	15.27	15.33	15.47	16	
10	16QAM	50	0	15.29	15.31	15.46		
10	64QAM	1	0	15.38	15.56	15.53		
10	64QAM	1	25	15.38	15.18	15.44	16	
10	64QAM	1	49	15.26	15.18	15.50		
10	64QAM	25	0	15.03	15.18	15.52		
10	64QAM	25	12	15.26	15.30	15.49	16	
10	64QAM	25	25	15.18	15.19	15.57		
10	64QAM	50	0	15.42	15.41	15.70		
10	256QAM	1	0	15.23	15.42	15.32	16	
10	256QAM	1	25	15.31	15.12	15.17		
10	256QAM	1	49	15.19	15.13	15.37		
10	256QAM	25	0	15.15	15.05	15.39	16	
10	256QAM	25	12	15.26	15.11	15.44		
10	256QAM	25	25	15.11	15.20	15.35		
10	256QAM	50	0	15.20	15.48	15.45		
Channel				43115	43340	43565		Tune-up limit (dBm)
Frequency (MHz)				3552.5	3575	3597.5		
5	QPSK	1	0	15.37	15.35	15.76	16	
5	QPSK	1	12	15.23	15.33	15.61		
5	QPSK	1	24	15.13	15.31	15.48		
5	QPSK	12	0	15.40	15.45	15.46	16	
5	QPSK	12	7	15.34	15.58	15.66		
5	QPSK	12	13	15.41	15.56	15.64		
5	QPSK	25	0	15.42	15.57	15.61	16	
5	16QAM	1	0	15.23	15.33	15.46		
5	16QAM	1	12	15.30	15.31	15.59		
5	16QAM	1	24	15.16	15.14	15.43	16	
5	16QAM	12	0	15.26	15.26	15.51		
5	16QAM	12	7	15.37	15.24	15.42		
5	16QAM	12	13	15.14	15.22	15.50	16	
5	16QAM	25	0	15.30	15.49	15.53		
5	64QAM	1	0	15.30	15.30	15.39		
5	64QAM	1	12	15.19	15.13	15.52	16	
5	64QAM	1	24	15.14	15.08	15.57		
5	64QAM	12	0	15.39	15.38	15.46		
5	64QAM	12	7	15.05	15.28	15.58	16	
5	64QAM	12	13	15.32	15.35	15.72		
5	64QAM	25	0	15.26	15.49	15.43		
5	256QAM	1	0	15.27	15.21	15.24	16	
5	256QAM	1	12	15.12	15.27	15.29		
5	256QAM	1	24	15.11	15.16	15.29		
5	256QAM	12	0	15.30	15.18	15.58	16	
5	256QAM	12	7	15.11	15.23	15.49		
5	256QAM	12	13	15.21	15.37	15.54		
5	256QAM	25	0	15.31	15.21	15.45		



<LTE Band 42\_Ant 0\_Sensor ON\_NB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43190	43340	43490	
Frequency (MHz)				3560	3575	3590	
20	QPSK	1	0	15.93	15.88	15.92	16
20	QPSK	1	49	15.84	15.73	15.77	
20	QPSK	1	99	15.78	15.58	15.62	
20	QPSK	50	0	15.77	15.65	15.69	16
20	QPSK	50	24	15.67	15.62	15.66	
20	QPSK	50	50	15.60	15.56	15.60	
20	QPSK	100	0	15.63	15.57	15.61	16
20	16QAM	1	0	15.79	15.73	15.77	
20	16QAM	1	49	15.67	15.64	15.68	
20	16QAM	1	99	15.65	15.58	15.62	16
20	16QAM	50	0	15.88	15.46	15.50	
20	16QAM	50	24	15.81	15.62	15.66	
20	16QAM	50	50	15.75	15.47	15.51	16
20	16QAM	100	0	15.44	15.53	15.57	
20	64QAM	1	0	15.73	15.85	15.89	
20	64QAM	1	49	15.72	15.67	15.71	16
20	64QAM	1	99	15.65	15.58	15.62	
20	64QAM	50	0	15.77	15.58	15.62	
20	64QAM	50	24	15.75	15.50	15.54	16
20	64QAM	50	50	15.66	15.49	15.53	
20	64QAM	100	0	15.70	15.55	15.59	
20	256QAM	1	0	15.67	15.80	15.84	16
20	256QAM	1	49	15.75	15.54	15.58	
20	256QAM	1	99	15.57	15.39	15.43	
20	256QAM	50	0	15.82	15.50	15.54	16
20	256QAM	50	24	15.62	15.53	15.57	
20	256QAM	50	50	15.58	15.53	15.57	
20	256QAM	100	0	15.62	15.56	15.60	
Channel				43165	43340	43515	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3575	3592.5	
15	QPSK	1	0	15.77	15.73	15.82	16
15	QPSK	1	37	15.72	15.61	15.74	
15	QPSK	1	74	15.76	15.39	15.47	
15	QPSK	36	0	15.75	15.60	15.58	16
15	QPSK	36	20	15.56	15.42	15.48	
15	QPSK	36	39	15.48	15.36	15.49	
15	QPSK	75	0	15.43	15.51	15.42	16
15	16QAM	1	0	15.71	15.56	15.75	
15	16QAM	1	37	15.50	15.45	15.55	
15	16QAM	1	74	15.54	15.39	15.57	16
15	16QAM	36	0	15.84	15.30	15.45	
15	16QAM	36	20	15.77	15.49	15.57	
15	16QAM	36	39	15.69	15.39	15.38	16
15	16QAM	75	0	15.44	15.50	15.46	
15	64QAM	1	0	15.73	15.77	15.84	
15	64QAM	1	37	15.53	15.62	15.53	16
15	64QAM	1	74	15.47	15.50	15.44	
15	64QAM	36	0	15.57	15.49	15.55	
15	64QAM	36	20	15.74	15.48	15.52	16
15	64QAM	36	39	15.48	15.45	15.53	
15	64QAM	75	0	15.58	15.37	15.50	
15	256QAM	1	0	15.51	15.80	15.72	16
15	256QAM	1	37	15.73	15.53	15.38	
15	256QAM	1	74	15.41	15.24	15.24	
15	256QAM	36	0	15.79	15.39	15.40	16



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15	256QAM	36	20	15.56	15.35	15.54	
15	256QAM	36	39	15.53	15.40	15.54	
15	256QAM	75	0	15.48	15.49	15.57	
Channel				43140	43340	43540	Tune-up limit(dBm)
Frequency (MHz)				3555	3575	3595	
10	QPSK	1	0	15.76	15.86	15.85	16
10	QPSK	1	25	15.78	15.65	15.58	
10	QPSK	1	49	15.76	15.55	15.50	
10	QPSK	25	0	15.65	15.59	15.62	16
10	QPSK	25	12	15.48	15.55	15.61	
10	QPSK	25	25	15.56	15.39	15.40	
10	QPSK	50	0	15.47	15.37	15.49	16
10	16QAM	1	0	15.67	15.67	15.74	
10	16QAM	1	25	15.55	15.52	15.63	
10	16QAM	1	49	15.52	15.56	15.58	16
10	16QAM	25	0	15.83	15.30	15.40	
10	16QAM	25	12	15.78	15.49	15.49	
10	16QAM	25	25	15.55	15.27	15.49	16
10	16QAM	50	0	15.27	15.50	15.51	
10	64QAM	1	0	15.69	15.66	15.70	
10	64QAM	1	25	15.55	15.55	15.65	16
10	64QAM	1	49	15.58	15.49	15.55	
10	64QAM	25	0	15.67	15.55	15.55	
10	64QAM	25	12	15.58	15.35	15.50	16
10	64QAM	25	25	15.58	15.49	15.46	
10	64QAM	50	0	15.59	15.39	15.39	
10	256QAM	1	0	15.60	15.64	15.65	16
10	256QAM	1	25	15.64	15.42	15.48	
10	256QAM	1	49	15.42	15.24	15.25	
10	256QAM	25	0	15.81	15.49	15.46	16
10	256QAM	25	12	15.48	15.43	15.43	
10	256QAM	25	25	15.43	15.37	15.44	
10	256QAM	50	0	15.51	15.45	15.54	
Channel				43115	43340	43565	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3575	3597.5	
5	QPSK	1	0	15.82	15.78	15.92	16
5	QPSK	1	12	15.74	15.69	15.70	
5	QPSK	1	24	15.60	15.47	15.57	
5	QPSK	12	0	15.76	15.62	15.60	16
5	QPSK	12	7	15.66	15.58	15.55	
5	QPSK	12	13	15.50	15.55	15.51	
5	QPSK	25	0	15.51	15.53	15.53	16
5	16QAM	1	0	15.60	15.60	15.74	
5	16QAM	1	12	15.55	15.45	15.56	
5	16QAM	1	24	15.58	15.52	15.45	16
5	16QAM	12	0	15.86	15.40	15.47	
5	16QAM	12	7	15.61	15.49	15.65	
5	16QAM	12	13	15.74	15.44	15.51	16
5	16QAM	25	0	15.32	15.38	15.53	
5	64QAM	1	0	15.72	15.80	15.69	
5	64QAM	1	12	15.56	15.51	15.63	16
5	64QAM	1	24	15.65	15.56	15.61	
5	64QAM	12	0	15.73	15.47	15.53	
5	64QAM	12	7	15.67	15.44	15.39	16
5	64QAM	12	13	15.48	15.41	15.35	
5	64QAM	25	0	15.62	15.38	15.48	
5	256QAM	1	0	15.54	15.60	15.75	16
5	256QAM	1	12	15.74	15.54	15.53	
5	256QAM	1	24	15.49	15.38	15.25	
5	256QAM	12	0	15.69	15.39	15.42	16
5	256QAM	12	7	15.55	15.49	15.42	
5	256QAM	12	13	15.43	15.53	15.57	
5	256QAM	25	0	15.54	15.50	15.59	



<LTE Band 42\_Ant 0\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43190	43340	43490	
Frequency (MHz)				3560	3575	3590	
20	QPSK	1	0	11.59	11.69	11.76	12
20	QPSK	1	49	11.45	11.71	11.73	
20	QPSK	1	99	11.38	11.68	11.74	
20	QPSK	50	0	11.49	11.72	11.76	12
20	QPSK	50	24	11.24	11.58	11.73	
20	QPSK	50	50	11.63	11.63	11.70	
20	QPSK	100	0	11.63	11.53	11.65	11
20	16QAM	1	0	10.47	10.72	10.86	
20	16QAM	1	49	10.46	10.49	10.62	
20	16QAM	1	99	10.31	10.66	10.79	11
20	16QAM	50	0	10.48	10.56	10.65	
20	16QAM	50	24	10.37	10.45	10.63	
20	16QAM	50	50	10.47	10.64	10.71	10
20	16QAM	100	0	10.53	10.77	10.79	
20	64QAM	1	0	9.46	9.56	9.72	
20	64QAM	1	49	9.44	9.80	9.80	10
20	64QAM	1	99	9.48	9.41	9.61	
20	64QAM	50	0	9.32	9.51	9.68	
20	64QAM	50	24	9.36	9.50	9.56	10
20	64QAM	50	50	9.61	9.69	9.82	
20	64QAM	100	0	9.61	9.52	9.67	
20	256QAM	1	0	6.46	6.70	6.85	7
20	256QAM	1	49	6.46	6.57	6.68	
20	256QAM	1	99	6.50	6.52	6.72	
20	256QAM	50	0	6.38	6.55	6.75	7
20	256QAM	50	24	6.28	6.59	6.72	
20	256QAM	50	50	6.53	6.67	6.72	
20	256QAM	100	0	6.47	6.67	6.71	
Channel				43165	43340	43515	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3575	3592.5	
15	QPSK	1	0	11.53	11.51	11.63	12
15	QPSK	1	37	11.31	11.61	11.67	
15	QPSK	1	74	11.18	11.50	11.74	
15	QPSK	36	0	11.45	11.69	11.56	12
15	QPSK	36	20	11.06	11.40	11.57	
15	QPSK	36	39	11.62	11.59	11.52	
15	QPSK	75	0	11.57	11.35	11.63	11
15	16QAM	1	0	10.28	10.66	10.75	
15	16QAM	1	37	10.41	10.31	10.52	
15	16QAM	1	74	10.19	10.64	10.64	11
15	16QAM	36	0	10.39	10.40	10.54	
15	16QAM	36	20	10.25	10.35	10.58	
15	16QAM	36	39	10.47	10.46	10.69	10
15	16QAM	75	0	10.33	10.68	10.69	
15	64QAM	1	0	9.29	9.51	9.55	
15	64QAM	1	37	9.25	9.63	9.68	10
15	64QAM	1	74	9.34	9.31	9.59	
15	64QAM	36	0	9.25	9.37	9.65	
15	64QAM	36	20	9.22	9.46	9.39	10
15	64QAM	36	39	9.46	9.51	9.72	
15	64QAM	75	0	9.41	9.47	9.56	
15	256QAM	1	0	6.26	6.50	6.70	7
15	256QAM	1	37	6.44	6.57	6.53	
15	256QAM	1	74	6.31	6.43	6.69	
15	256QAM	36	0	6.30	6.37	6.69	7



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**Report No. : FA3N0927**

15	256QAM	36	20	6.21	6.52	6.64	
15	256QAM	36	39	6.47	6.47	6.57	
15	256QAM	75	0	6.28	6.47	6.53	
Channel				43140	43340	43540	Tune-up limit(dBm)
Frequency (MHz)				3555	3575	3595	
10	QPSK	1	0	11.59	11.62	11.75	12
10	QPSK	1	25	11.44	11.51	11.61	
10	QPSK	1	49	11.20	11.52	11.70	
10	QPSK	25	0	11.48	11.67	11.72	12
10	QPSK	25	12	11.08	11.46	11.60	
10	QPSK	25	25	11.47	11.46	11.67	
10	QPSK	50	0	11.60	11.52	11.50	11
10	16QAM	1	0	10.27	10.58	10.72	
10	16QAM	1	25	10.26	10.29	10.61	
10	16QAM	1	49	10.22	10.51	10.79	11
10	16QAM	25	0	10.44	10.45	10.56	
10	16QAM	25	12	10.24	10.38	10.55	
10	16QAM	25	25	10.39	10.52	10.60	10
10	16QAM	50	0	10.46	10.68	10.75	
10	64QAM	1	0	9.30	9.55	9.66	
10	64QAM	1	25	9.38	9.72	9.67	10
10	64QAM	1	49	9.43	9.40	9.47	
10	64QAM	25	0	9.28	9.43	9.57	
10	64QAM	25	12	9.35	9.41	9.38	10
10	64QAM	25	25	9.54	9.54	9.80	
10	64QAM	50	0	9.52	9.47	9.67	
10	256QAM	1	0	6.27	6.60	6.84	7
10	256QAM	1	25	6.29	6.44	6.65	
10	256QAM	1	49	6.31	6.49	6.52	
10	256QAM	25	0	6.31	6.39	6.59	7
10	256QAM	25	12	6.26	6.45	6.58	
10	256QAM	25	25	6.52	6.54	6.72	
10	256QAM	50	0	6.46	6.47	6.56	
Channel				43115	43340	43565	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3575	3597.5	
5	QPSK	1	0	11.58	11.54	11.58	12
5	QPSK	1	12	11.33	11.57	11.62	
5	QPSK	1	24	11.20	11.59	11.69	
5	QPSK	12	0	11.39	11.58	11.75	12
5	QPSK	12	7	11.23	11.38	11.61	
5	QPSK	12	13	11.61	11.55	11.53	
5	QPSK	25	0	11.43	11.37	11.52	11
5	16QAM	1	0	10.42	10.54	10.67	
5	16QAM	1	12	10.35	10.32	10.54	
5	16QAM	1	24	10.29	10.62	10.70	11
5	16QAM	12	0	10.48	10.51	10.59	
5	16QAM	12	7	10.37	10.33	10.52	
5	16QAM	12	13	10.32	10.62	10.55	10
5	16QAM	25	0	10.51	10.64	10.78	
5	64QAM	1	0	9.33	9.45	9.68	
5	64QAM	1	12	9.30	9.70	9.65	10
5	64QAM	1	24	9.45	9.22	9.54	
5	64QAM	12	0	9.18	9.39	9.54	
5	64QAM	12	7	9.25	9.32	9.55	10
5	64QAM	12	13	9.53	9.54	9.82	
5	64QAM	25	0	9.57	9.47	9.60	
5	256QAM	1	0	6.31	6.60	6.65	7
5	256QAM	1	12	6.28	6.39	6.59	
5	256QAM	1	24	6.35	6.47	6.69	
5	256QAM	12	0	6.26	6.47	6.55	7
5	256QAM	12	7	6.14	6.51	6.65	
5	256QAM	12	13	6.48	6.54	6.62	
5	256QAM	25	0	6.47	6.62	6.71	



<LTE Band 42\_Ant 2\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43190	43340	43490	
Frequency (MHz)				3560	3575	3590	
20	QPSK	1	0	11.81	11.68	11.61	12
20	QPSK	1	49	11.74	11.61	11.55	
20	QPSK	1	99	11.72	11.59	11.53	
20	QPSK	50	0	11.77	11.64	11.58	12
20	QPSK	50	24	11.74	11.61	11.55	
20	QPSK	50	50	11.73	11.60	11.54	
20	QPSK	100	0	11.75	11.62	11.56	12
20	16QAM	1	0	11.73	11.60	11.54	
20	16QAM	1	49	11.58	11.45	11.39	
20	16QAM	1	99	11.54	11.41	11.35	12
20	16QAM	50	0	11.79	11.66	11.60	
20	16QAM	50	24	11.75	11.62	11.56	
20	16QAM	50	50	11.65	11.52	11.46	12
20	16QAM	100	0	11.69	11.56	11.50	
20	64QAM	1	0	11.59	11.46	11.40	
20	64QAM	1	49	11.73	11.60	11.54	12
20	64QAM	1	99	11.69	11.56	11.50	
20	64QAM	50	0	11.64	11.51	11.45	
20	64QAM	50	24	11.76	11.63	11.57	12
20	64QAM	50	50	11.64	11.51	11.45	
20	64QAM	100	0	11.67	11.54	11.48	
20	256QAM	1	0	11.68	11.55	11.49	12
20	256QAM	1	49	11.54	11.41	11.35	
20	256QAM	1	99	11.68	11.55	11.49	
20	256QAM	50	0	11.60	11.47	11.41	12
20	256QAM	50	24	11.68	11.55	11.49	
20	256QAM	50	50	11.67	11.54	11.48	
20	256QAM	100	0	11.65	11.52	11.46	
Channel				43165	43340	43515	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3575	3592.5	
15	QPSK	1	0	11.71	11.59	11.42	12
15	QPSK	1	37	11.72	11.43	11.55	
15	QPSK	1	74	11.58	11.45	11.33	
15	QPSK	36	0	11.70	11.44	11.53	12
15	QPSK	36	20	11.56	11.57	11.54	
15	QPSK	36	39	11.63	11.40	11.45	
15	QPSK	75	0	11.57	11.59	11.37	12
15	16QAM	1	0	11.69	11.57	11.37	
15	16QAM	1	37	11.49	11.28	11.24	
15	16QAM	1	74	11.37	11.30	11.23	12
15	16QAM	36	0	11.61	11.64	11.54	
15	16QAM	36	20	11.55	11.45	11.38	
15	16QAM	36	39	11.52	11.52	11.43	12
15	16QAM	75	0	11.56	11.36	11.41	
15	64QAM	1	0	11.54	11.46	11.28	
15	64QAM	1	37	11.72	11.40	11.38	12
15	64QAM	1	74	11.61	11.37	11.30	
15	64QAM	36	0	11.64	11.42	11.45	
15	64QAM	36	20	11.59	11.56	11.56	12
15	64QAM	36	39	11.49	11.41	11.36	
15	64QAM	75	0	11.48	11.50	11.30	
15	256QAM	1	0	11.55	11.54	11.41	12
15	256QAM	1	37	11.54	11.39	11.19	
15	256QAM	1	74	11.66	11.35	11.46	
15	256QAM	36	0	11.51	11.46	11.26	12



**FCC SAR TEST REPORT**

**Report No. : FA3N0927**

Channel	Frequency (MHz)	Modulation	Power (dBm)	Power (dBm)	Power (dBm)	Tune-up limit (dBm)	
15	256QAM	36	20	11.56	11.38	11.40	
15	256QAM	36	39	11.48	11.42	11.46	
15	256QAM	75	0	11.45	11.32	11.46	
Channel				43140	43340	43540	Tune-up limit (dBm)
Frequency (MHz)				3555	3575	3595	
10	QPSK	1	0	11.76	11.49	11.53	12
10	QPSK	1	25	11.73	11.45	11.38	
10	QPSK	1	49	11.60	11.54	11.36	
10	QPSK	25	0	11.65	11.59	11.54	12
10	QPSK	25	12	11.70	11.48	11.42	
10	QPSK	25	25	11.53	11.45	11.43	
10	QPSK	50	0	11.74	11.54	11.46	12
10	16QAM	1	0	11.56	11.58	11.48	
10	16QAM	1	25	11.54	11.28	11.20	
10	16QAM	1	49	11.48	11.34	11.35	12
10	16QAM	25	0	11.78	11.57	11.49	
10	16QAM	25	12	11.68	11.49	11.41	
10	16QAM	25	25	11.48	11.40	11.37	12
10	16QAM	50	0	11.64	11.45	11.37	
10	64QAM	1	0	11.39	11.34	11.21	
10	64QAM	1	25	11.62	11.49	11.51	12
10	64QAM	1	49	11.51	11.55	11.49	
10	64QAM	25	0	11.48	11.46	11.25	
10	64QAM	25	12	11.75	11.56	11.46	12
10	64QAM	25	25	11.60	11.39	11.45	
10	64QAM	50	0	11.61	11.40	11.35	
10	256QAM	1	0	11.49	11.40	11.40	12
10	256QAM	1	25	11.44	11.34	11.27	
10	256QAM	1	49	11.66	11.54	11.41	
10	256QAM	25	0	11.51	11.40	11.25	12
10	256QAM	25	12	11.64	11.37	11.36	
10	256QAM	25	25	11.63	11.51	11.37	
10	256QAM	50	0	11.54	11.45	11.45	
Channel				43115	43340	43565	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3575	3597.5	
5	QPSK	1	0	11.65	11.58	11.46	12
5	QPSK	1	12	11.54	11.42	11.50	
5	QPSK	1	24	11.64	11.46	11.46	
5	QPSK	12	0	11.58	11.58	11.50	12
5	QPSK	12	7	11.58	11.57	11.45	
5	QPSK	12	13	11.69	11.44	11.53	
5	QPSK	25	0	11.71	11.60	11.39	12
5	16QAM	1	0	11.60	11.60	11.41	
5	16QAM	1	12	11.41	11.35	11.20	
5	16QAM	1	24	11.40	11.24	11.26	12
5	16QAM	12	0	11.64	11.59	11.55	
5	16QAM	12	7	11.73	11.49	11.55	
5	16QAM	12	13	11.62	11.39	11.45	12
5	16QAM	25	0	11.54	11.50	11.35	
5	64QAM	1	0	11.53	11.45	11.28	
5	64QAM	1	12	11.60	11.51	11.49	12
5	64QAM	1	24	11.52	11.50	11.41	
5	64QAM	12	0	11.49	11.50	11.38	
5	64QAM	12	7	11.72	11.63	11.45	12
5	64QAM	12	13	11.60	11.32	11.32	
5	64QAM	25	0	11.65	11.37	11.34	
5	256QAM	1	0	11.51	11.52	11.38	12
5	256QAM	1	12	11.54	11.31	11.32	
5	256QAM	1	24	11.53	11.50	11.34	
5	256QAM	12	0	11.44	11.30	11.23	12
5	256QAM	12	7	11.57	11.41	11.30	
5	256QAM	12	13	11.51	11.49	11.47	
5	256QAM	25	0	11.47	11.42	11.45	





<LTE Band 42\_Ant 0\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				42190	42590	42990	
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	23.45	23.55	23.91	24
20	QPSK	1	49	23.54	23.78	23.90	
20	QPSK	1	99	23.25	23.62	23.65	
20	QPSK	50	0	22.61	22.72	22.87	23
20	QPSK	50	24	22.56	22.88	22.96	
20	QPSK	50	50	22.45	22.68	22.84	
20	QPSK	100	0	22.54	22.74	22.94	23
20	16QAM	1	0	22.62	22.90	22.76	
20	16QAM	1	49	22.81	22.27	22.79	
20	16QAM	1	99	22.50	22.64	22.94	22
20	16QAM	50	0	21.53	21.69	21.88	
20	16QAM	50	24	21.65	21.78	21.85	
20	16QAM	50	50	21.49	21.74	21.84	22
20	16QAM	100	0	21.59	21.72	21.91	
20	64QAM	1	0	21.05	21.06	21.99	
20	64QAM	1	49	21.82	21.59	21.98	22
20	64QAM	1	99	21.10	21.61	21.29	
20	64QAM	50	0	20.58	20.75	20.94	
20	64QAM	50	24	20.59	20.78	20.86	21
20	64QAM	50	50	20.55	20.74	20.93	
20	64QAM	100	0	20.59	20.77	20.85	
20	256QAM	1	0	17.62	17.57	18.56	19
20	256QAM	1	49	18.41	18.17	18.55	
20	256QAM	1	99	17.64	18.17	17.86	
20	256QAM	50	0	17.15	17.30	17.54	19
20	256QAM	50	24	17.12	17.34	17.40	
20	256QAM	50	50	17.11	17.32	17.51	
20	256QAM	100	0	17.15	17.29	17.44	
Channel				42165	42590	43015	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3500	3542.5	
15	QPSK	1	0	23.40	23.55	23.78	24
15	QPSK	1	37	23.35	23.61	23.87	
15	QPSK	1	74	23.16	23.47	23.64	
15	QPSK	36	0	22.44	22.55	22.86	23
15	QPSK	36	20	22.40	22.77	22.87	
15	QPSK	36	39	22.28	22.57	22.70	
15	QPSK	75	0	22.34	22.54	22.76	23
15	16QAM	1	0	22.59	22.83	22.56	
15	16QAM	1	37	22.80	22.26	22.64	
15	16QAM	1	74	22.35	22.55	22.85	22
15	16QAM	36	0	21.49	21.68	21.76	
15	16QAM	36	20	21.49	21.67	21.82	
15	16QAM	36	39	21.48	21.69	21.83	22
15	16QAM	75	0	21.55	21.59	21.91	
15	64QAM	1	0	20.91	20.94	21.89	
15	64QAM	1	37	21.68	21.47	21.94	22
15	64QAM	1	74	20.90	21.57	21.11	
15	64QAM	36	0	20.43	20.68	20.91	
15	64QAM	36	20	20.57	20.67	20.79	21
15	64QAM	36	39	20.49	20.73	20.73	
15	64QAM	75	0	20.49	20.71	20.72	
15	256QAM	1	0	17.59	17.51	18.46	19
15	256QAM	1	37	18.35	18.13	18.36	
15	256QAM	1	74	17.61	18.15	17.83	
15	256QAM	36	0	17.03	17.25	17.51	19



**FCC SAR TEST REPORT**

**Report No. : FA3N0927**

15	256QAM	36	20	17.06	17.15	17.40	
15	256QAM	36	39	16.91	17.22	17.43	
15	256QAM	75	0	17.03	17.28	17.36	
Channel				42140	42590	43040	Tune-up limit(dBm)
Frequency (MHz)				3455	3500	3545	
10	QPSK	1	0	23.34	23.39	23.90	24
10	QPSK	1	25	23.38	23.67	23.85	
10	QPSK	1	49	23.24	23.50	23.45	
10	QPSK	25	0	22.48	22.72	22.73	23
10	QPSK	25	12	22.43	22.85	22.79	
10	QPSK	25	25	22.43	22.68	22.70	
10	QPSK	50	0	22.49	22.59	22.94	23
10	16QAM	1	0	22.44	22.86	22.74	
10	16QAM	1	25	22.64	22.25	22.72	
10	16QAM	1	49	22.38	22.51	22.84	22
10	16QAM	25	0	21.37	21.69	21.88	
10	16QAM	25	12	21.53	21.75	21.81	
10	16QAM	25	25	21.41	21.63	21.68	22
10	16QAM	50	0	21.56	21.52	21.91	
10	64QAM	1	0	21.03	20.86	21.98	
10	64QAM	1	25	21.62	21.45	21.92	22
10	64QAM	1	49	21.04	21.46	21.11	
10	64QAM	25	0	20.51	20.64	20.86	
10	64QAM	25	12	20.50	20.66	20.73	21
10	64QAM	25	25	20.47	20.60	20.86	
10	64QAM	50	0	20.57	20.74	20.83	
10	256QAM	1	0	17.62	17.52	18.42	19
10	256QAM	1	25	18.36	18.13	18.45	
10	256QAM	1	49	17.45	17.97	17.68	
10	256QAM	25	0	17.06	17.26	17.40	19
10	256QAM	25	12	17.11	17.19	17.29	
10	256QAM	25	25	16.99	17.22	17.37	
10	256QAM	50	0	17.13	17.26	17.43	
Channel				42115	42590	43065	Tune-up limit (dBm)
Frequency (MHz)				3452.5	3500	3547.5	
5	QPSK	1	0	23.29	23.37	23.82	24
5	QPSK	1	12	23.44	23.71	23.77	
5	QPSK	1	24	23.13	23.51	23.64	
5	QPSK	12	0	22.55	22.70	22.74	23
5	QPSK	12	7	22.37	22.79	22.86	
5	QPSK	12	13	22.33	22.68	22.79	
5	QPSK	25	0	22.44	22.72	22.82	23
5	16QAM	1	0	22.52	22.81	22.56	
5	16QAM	1	12	22.67	22.10	22.70	
5	16QAM	1	24	22.34	22.44	22.83	22
5	16QAM	12	0	21.48	21.58	21.83	
5	16QAM	12	7	21.59	21.68	21.78	
5	16QAM	12	13	21.43	21.60	21.75	22
5	16QAM	25	0	21.46	21.58	21.85	
5	64QAM	1	0	21.05	20.99	21.97	
5	64QAM	1	12	21.78	21.50	21.96	22
5	64QAM	1	24	20.97	21.53	21.15	
5	64QAM	12	0	20.55	20.67	20.75	
5	64QAM	12	7	20.39	20.75	20.70	21
5	64QAM	12	13	20.53	20.70	20.87	
5	64QAM	25	0	20.42	20.67	20.66	
5	256QAM	1	0	17.61	17.43	18.39	19
5	256QAM	1	12	18.29	17.97	18.44	
5	256QAM	1	24	17.56	17.98	17.68	
5	256QAM	12	0	16.97	17.25	17.40	19
5	256QAM	12	7	17.05	17.18	17.29	
5	256QAM	12	13	17.03	17.13	17.34	
5	256QAM	25	0	17.00	17.21	17.24	



<LTE Band 42\_Ant 2\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				42190	42590	42990	
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	23.92	23.71	23.86	24
20	QPSK	1	49	23.88	23.69	23.83	
20	QPSK	1	99	23.84	23.65	23.79	
20	QPSK	50	0	22.63	22.45	22.58	23
20	QPSK	50	24	22.61	22.43	22.56	
20	QPSK	50	50	22.60	22.42	22.55	
20	QPSK	100	0	22.64	22.46	22.59	23
20	16QAM	1	0	22.55	22.37	22.50	
20	16QAM	1	49	22.49	22.31	22.44	
20	16QAM	1	99	22.49	22.31	22.44	23
20	16QAM	50	0	21.64	21.46	21.59	
20	16QAM	50	24	21.60	21.42	21.55	
20	16QAM	50	50	21.59	21.41	21.54	22
20	16QAM	100	0	21.62	21.44	21.57	
20	64QAM	1	0	21.41	21.24	21.36	
20	64QAM	1	49	21.40	21.23	21.35	22
20	64QAM	1	99	21.39	21.22	21.34	
20	64QAM	50	0	20.59	20.42	20.54	
20	64QAM	50	24	20.51	20.34	20.46	21
20	64QAM	50	50	20.44	20.27	20.39	
20	64QAM	100	0	20.58	20.41	20.53	
20	256QAM	1	0	18.53	18.38	18.49	19
20	256QAM	1	49	18.40	18.25	18.36	
20	256QAM	1	99	18.50	18.35	18.46	
20	256QAM	50	0	18.44	18.29	18.40	19
20	256QAM	50	24	18.46	18.31	18.42	
20	256QAM	50	50	18.49	18.34	18.45	
20	256QAM	100	0	18.52	18.37	18.48	
Channel				42165	42590	43015	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3500	3542.5	
15	QPSK	1	0	23.85	23.52	23.76	24
15	QPSK	1	37	23.78	23.54	23.66	
15	QPSK	1	74	23.76	23.54	23.65	
15	QPSK	36	0	22.50	22.45	22.49	23
15	QPSK	36	20	22.41	22.29	22.50	
15	QPSK	36	39	22.45	22.31	22.39	
15	QPSK	75	0	22.55	22.37	22.55	23
15	16QAM	1	0	22.51	22.35	22.47	
15	16QAM	1	37	22.46	22.30	22.44	
15	16QAM	1	74	22.41	22.27	22.24	23
15	16QAM	36	0	21.48	21.31	21.54	
15	16QAM	36	20	21.50	21.25	21.37	
15	16QAM	36	39	21.45	21.38	21.43	22
15	16QAM	75	0	21.44	21.41	21.39	
15	64QAM	1	0	21.40	21.14	21.16	
15	64QAM	1	37	21.38	21.08	21.22	22
15	64QAM	1	74	21.21	21.02	21.24	
15	64QAM	36	0	20.40	20.28	20.44	
15	64QAM	36	20	20.42	20.17	20.26	21
15	64QAM	36	39	20.35	20.24	20.39	
15	64QAM	75	0	20.44	20.36	20.52	
15	256QAM	1	0	18.38	18.38	18.42	19
15	256QAM	1	37	18.40	18.06	18.20	
15	256QAM	1	74	18.36	18.15	18.34	
15	256QAM	36	0	18.40	18.16	18.28	19



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15	256QAM	36	20	18.34	18.14	18.28	
15	256QAM	36	39	18.33	18.17	18.35	
15	256QAM	75	0	18.46	18.27	18.31	
Channel				42140	42590	43040	Tune-up limit(dBm)
Frequency (MHz)				3455	3500	3545	
10	QPSK	1	0	23.90	23.58	23.69	24
10	QPSK	1	25	23.75	23.58	23.81	
10	QPSK	1	49	23.80	23.55	23.73	
10	QPSK	25	0	22.44	22.34	22.43	23
10	QPSK	25	12	22.59	22.32	22.42	
10	QPSK	25	25	22.49	22.30	22.46	
10	QPSK	50	0	22.53	22.33	22.51	23
10	16QAM	1	0	22.44	22.28	22.40	
10	16QAM	1	25	22.29	22.25	22.41	
10	16QAM	1	49	22.36	22.24	22.40	22
10	16QAM	25	0	21.60	21.34	21.41	
10	16QAM	25	12	21.41	21.30	21.53	
10	16QAM	25	25	21.54	21.33	21.48	22
10	16QAM	50	0	21.46	21.34	21.39	
10	64QAM	1	0	21.32	21.05	21.30	
10	64QAM	1	25	21.35	21.19	21.32	22
10	64QAM	1	49	21.23	21.15	21.20	
10	64QAM	25	0	20.52	20.33	20.42	
10	64QAM	25	12	20.36	20.26	20.39	21
10	64QAM	25	25	20.43	20.20	20.34	
10	64QAM	50	0	20.54	20.39	20.33	
10	256QAM	1	0	18.46	18.34	18.31	19
10	256QAM	1	25	18.29	18.05	18.36	
10	256QAM	1	49	18.41	18.27	18.41	
10	256QAM	25	0	18.42	18.28	18.33	19
10	256QAM	25	12	18.33	18.22	18.23	
10	256QAM	25	25	18.35	18.28	18.30	
10	256QAM	50	0	18.33	18.31	18.39	
Channel				42115	42590	43065	Tune-up limit (dBm)
Frequency (MHz)				3452.5	3500	3547.5	
5	QPSK	1	0	23.78	23.67	23.67	24
5	QPSK	1	12	23.72	23.54	23.68	
5	QPSK	1	24	23.79	23.58	23.60	
5	QPSK	12	0	22.62	22.30	22.43	23
5	QPSK	12	7	22.42	22.37	22.55	
5	QPSK	12	13	22.40	22.37	22.39	
5	QPSK	25	0	22.63	22.46	22.45	23
5	16QAM	1	0	22.48	22.26	22.32	
5	16QAM	1	12	22.31	22.16	22.27	
5	16QAM	1	24	22.48	22.18	22.39	22
5	16QAM	12	0	21.56	21.45	21.46	
5	16QAM	12	7	21.59	21.30	21.35	
5	16QAM	12	13	21.59	21.36	21.42	22
5	16QAM	25	0	21.55	21.31	21.42	
5	64QAM	1	0	21.40	21.11	21.17	
5	64QAM	1	12	21.34	21.03	21.15	22
5	64QAM	1	24	21.20	21.08	21.21	
5	64QAM	12	0	20.39	20.33	20.50	
5	64QAM	12	7	20.40	20.32	20.35	21
5	64QAM	12	13	20.31	20.26	20.21	
5	64QAM	25	0	20.47	20.28	20.43	
5	256QAM	1	0	18.38	18.36	18.37	19
5	256QAM	1	12	18.37	18.15	18.28	
5	256QAM	1	24	18.49	18.21	18.41	
5	256QAM	12	0	18.24	18.26	18.24	19
5	256QAM	12	7	18.34	18.24	18.32	
5	256QAM	12	13	18.45	18.22	18.40	
5	256QAM	25	0	18.43	18.26	18.31	



<LTE Band 42\_Ant 0\_Sensor ON\_NB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				42190	42590	42990	
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	15.69	15.79	15.96	16
20	QPSK	1	49	15.50	15.60	15.77	
20	QPSK	1	99	15.48	15.58	15.75	
20	QPSK	50	0	15.56	15.67	15.82	16
20	QPSK	50	24	15.53	15.63	15.80	
20	QPSK	50	50	15.55	15.65	15.65	
20	QPSK	100	0	15.60	15.70	15.87	16
20	16QAM	1	0	15.52	15.70	15.91	
20	16QAM	1	49	15.43	15.52	15.68	
20	16QAM	1	99	15.30	15.46	15.74	16
20	16QAM	50	0	15.29	15.32	15.58	
20	16QAM	50	24	15.49	15.57	15.61	
20	16QAM	50	50	15.42	15.47	15.81	16
20	16QAM	100	0	15.51	15.51	15.78	
20	64QAM	1	0	15.61	15.70	15.81	
20	64QAM	1	49	15.45	15.52	15.64	16
20	64QAM	1	99	15.36	15.48	15.56	
20	64QAM	50	0	15.19	15.30	15.60	
20	64QAM	50	24	15.51	15.54	15.73	16
20	64QAM	50	50	15.36	15.49	15.70	
20	64QAM	100	0	15.53	15.65	15.83	
20	256QAM	1	0	15.42	15.51	15.74	16
20	256QAM	1	49	15.39	15.47	15.51	
20	256QAM	1	99	15.26	15.44	15.39	
20	256QAM	50	0	15.08	15.20	15.43	16
20	256QAM	50	24	15.50	15.45	15.69	
20	256QAM	50	50	15.31	15.34	15.52	
20	256QAM	100	0	15.34	15.57	15.75	
Channel				42165	42590	43015	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3500	3542.5	
15	QPSK	1	0	15.67	15.63	15.87	16
15	QPSK	1	37	15.30	15.58	15.60	
15	QPSK	1	74	15.31	15.55	15.74	
15	QPSK	36	0	15.28	15.34	15.61	16
15	QPSK	36	20	15.45	15.48	15.71	
15	QPSK	36	39	15.47	15.45	15.71	
15	QPSK	75	0	15.46	15.67	15.78	16
15	16QAM	1	0	15.37	15.66	15.78	
15	16QAM	1	37	15.39	15.38	15.62	
15	16QAM	1	74	15.21	15.32	15.63	16
15	16QAM	36	0	15.27	15.19	15.58	
15	16QAM	36	20	15.45	15.46	15.56	
15	16QAM	36	39	15.30	15.42	15.66	16
15	16QAM	75	0	15.36	15.40	15.61	
15	64QAM	1	0	15.55	15.68	15.77	
15	64QAM	1	37	15.25	15.44	15.54	16
15	64QAM	1	74	15.17	15.28	15.50	
15	64QAM	36	0	15.17	15.12	15.56	
15	64QAM	36	20	15.37	15.54	15.54	16
15	64QAM	36	39	15.29	15.35	15.56	
15	64QAM	75	0	15.37	15.58	15.83	
15	256QAM	1	0	15.23	15.49	15.59	16
15	256QAM	1	37	15.27	15.35	15.37	
15	256QAM	1	74	15.16	15.24	15.27	
15	256QAM	36	0	15.02	15.02	15.30	16



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15	256QAM	36	20	15.40	15.28	15.59	
15	256QAM	36	39	15.14	15.15	15.52	
15	256QAM	75	0	15.15	15.37	15.62	
Channel				42140	42590	43040	Tune-up limit(dBm)
Frequency (MHz)				3455	3500	3545	
10	QPSK	1	0	15.65	15.75	15.83	16
10	QPSK	1	25	15.50	15.40	15.72	
10	QPSK	1	49	15.38	15.55	15.63	
10	QPSK	25	0	15.24	15.37	15.64	16
10	QPSK	25	12	15.34	15.60	15.66	
10	QPSK	25	25	15.38	15.57	15.72	
10	QPSK	50	0	15.60	15.53	15.67	16
10	16QAM	1	0	15.51	15.65	15.88	
10	16QAM	1	25	15.28	15.40	15.55	
10	16QAM	1	49	15.25	15.42	15.72	16
10	16QAM	25	0	15.12	15.20	15.46	
10	16QAM	25	12	15.41	15.54	15.46	
10	16QAM	25	25	15.35	15.36	15.69	16
10	16QAM	50	0	15.50	15.48	15.70	
10	64QAM	1	0	15.51	15.53	15.63	
10	64QAM	1	25	15.37	15.48	15.49	16
10	64QAM	1	49	15.36	15.35	15.37	
10	64QAM	25	0	15.15	15.11	15.50	
10	64QAM	25	12	15.32	15.42	15.56	16
10	64QAM	25	25	15.36	15.37	15.56	
10	64QAM	50	0	15.47	15.55	15.78	
10	256QAM	1	0	15.41	15.39	15.69	16
10	256QAM	1	25	15.27	15.36	15.48	
10	256QAM	1	49	15.24	15.35	15.32	
10	256QAM	25	0	15.03	15.08	15.36	16
10	256QAM	25	12	15.49	15.31	15.62	
10	256QAM	25	25	15.16	15.32	15.46	
10	256QAM	50	0	15.29	15.38	15.73	
Channel				42115	42590	43065	Tune-up limit (dBm)
Frequency (MHz)				3452.5	3500	3547.5	
5	QPSK	1	0	15.67	15.76	15.80	16
5	QPSK	1	12	15.46	15.60	15.62	
5	QPSK	1	24	15.47	15.51	15.55	
5	QPSK	12	0	15.27	15.48	15.64	16
5	QPSK	12	7	15.35	15.56	15.66	
5	QPSK	12	13	15.37	15.51	15.72	
5	QPSK	25	0	15.52	15.61	15.86	16
5	16QAM	1	0	15.34	15.69	15.78	
5	16QAM	1	12	15.35	15.34	15.62	
5	16QAM	1	24	15.15	15.46	15.69	16
5	16QAM	12	0	15.28	15.27	15.43	
5	16QAM	12	7	15.44	15.40	15.52	
5	16QAM	12	13	15.39	15.29	15.66	16
5	16QAM	25	0	15.44	15.33	15.72	
5	64QAM	1	0	15.59	15.64	15.67	
5	64QAM	1	12	15.43	15.48	15.53	16
5	64QAM	1	24	15.31	15.42	15.47	
5	64QAM	12	0	15.07	15.30	15.42	
5	64QAM	12	7	15.31	15.50	15.63	16
5	64QAM	12	13	15.32	15.29	15.63	
5	64QAM	25	0	15.33	15.49	15.74	
5	256QAM	1	0	15.30	15.46	15.68	16
5	256QAM	1	12	15.25	15.40	15.51	
5	256QAM	1	24	15.16	15.26	15.39	
5	256QAM	12	0	15.03	15.14	15.35	16
5	256QAM	12	7	15.47	15.27	15.49	
5	256QAM	12	13	15.23	15.27	15.46	
5	256QAM	25	0	15.22	15.53	15.60	



<LTE Band 42\_Ant 0\_Sensor ON\_NB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				42190	42590	42990	
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	15.95	15.79	15.92	16
20	QPSK	1	49	15.92	15.77	15.77	
20	QPSK	1	99	15.88	15.70	15.62	
20	QPSK	50	0	15.91	15.80	15.69	16
20	QPSK	50	24	15.84	15.70	15.66	
20	QPSK	50	50	15.80	15.71	15.60	
20	QPSK	100	0	15.82	15.72	15.61	16
20	16QAM	1	0	15.79	15.78	15.77	
20	16QAM	1	49	15.73	15.61	15.68	
20	16QAM	1	99	15.77	15.61	15.62	16
20	16QAM	50	0	15.91	15.73	15.50	
20	16QAM	50	24	15.83	15.56	15.66	
20	16QAM	50	50	15.76	15.60	15.51	16
20	16QAM	100	0	15.63	15.61	15.57	
20	64QAM	1	0	15.82	15.74	15.89	
20	64QAM	1	49	15.75	15.61	15.71	16
20	64QAM	1	99	15.74	15.56	15.62	
20	64QAM	50	0	15.77	15.60	15.62	
20	64QAM	50	24	15.83	15.65	15.54	16
20	64QAM	50	50	15.77	15.69	15.53	
20	64QAM	100	0	15.81	15.61	15.59	
20	256QAM	1	0	15.78	15.68	15.84	16
20	256QAM	1	49	15.81	15.66	15.58	
20	256QAM	1	99	15.73	15.65	15.43	
20	256QAM	50	0	15.85	15.61	15.54	16
20	256QAM	50	24	15.77	15.54	15.57	
20	256QAM	50	50	15.67	15.61	15.57	
20	256QAM	100	0	15.74	15.71	15.60	
Channel				42165	42590	43015	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3500	3542.5	
15	QPSK	1	0	15.93	15.66	15.82	16
15	QPSK	1	37	15.91	15.64	15.74	
15	QPSK	1	74	15.81	15.66	15.47	
15	QPSK	36	0	15.78	15.65	15.58	16
15	QPSK	36	20	15.84	15.69	15.48	
15	QPSK	36	39	15.76	15.64	15.49	
15	QPSK	75	0	15.69	15.58	15.42	16
15	16QAM	1	0	15.63	15.66	15.75	
15	16QAM	1	37	15.59	15.50	15.55	
15	16QAM	1	74	15.73	15.51	15.57	16
15	16QAM	36	0	15.88	15.61	15.45	
15	16QAM	36	20	15.67	15.36	15.57	
15	16QAM	36	39	15.70	15.43	15.38	16
15	16QAM	75	0	15.50	15.52	15.46	
15	64QAM	1	0	15.78	15.67	15.84	
15	64QAM	1	37	15.57	15.59	15.53	16
15	64QAM	1	74	15.73	15.40	15.44	
15	64QAM	36	0	15.62	15.42	15.55	
15	64QAM	36	20	15.74	15.46	15.52	16
15	64QAM	36	39	15.57	15.58	15.53	
15	64QAM	75	0	15.65	15.54	15.50	
15	256QAM	1	0	15.59	15.62	15.72	16
15	256QAM	1	37	15.76	15.51	15.38	
15	256QAM	1	74	15.73	15.58	15.24	
15	256QAM	36	0	15.77	15.42	15.40	16



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**Report No. : FA3N0927**

15	256QAM	36	20	15.60	15.40	15.54	
15	256QAM	36	39	15.64	15.47	15.54	
15	256QAM	75	0	15.68	15.70	15.57	
Channel				42140	42590	43040	Tune-up limit(dBm)
Frequency (MHz)				3455	3500	3545	
10	QPSK	1	0	15.91	15.61	15.85	16
10	QPSK	1	25	15.74	15.61	15.58	
10	QPSK	1	49	15.82	15.64	15.50	
10	QPSK	25	0	15.81	15.61	15.62	16
10	QPSK	25	12	15.66	15.50	15.61	
10	QPSK	25	25	15.76	15.66	15.40	
10	QPSK	50	0	15.66	15.66	15.49	16
10	16QAM	1	0	15.61	15.59	15.74	
10	16QAM	1	25	15.59	15.50	15.63	
10	16QAM	1	49	15.71	15.56	15.58	16
10	16QAM	25	0	15.77	15.71	15.40	
10	16QAM	25	12	15.65	15.51	15.49	
10	16QAM	25	25	15.70	15.49	15.49	16
10	16QAM	50	0	15.55	15.43	15.51	
10	64QAM	1	0	15.68	15.57	15.70	
10	64QAM	1	25	15.64	15.48	15.65	16
10	64QAM	1	49	15.66	15.48	15.55	
10	64QAM	25	0	15.75	15.58	15.55	
10	64QAM	25	12	15.76	15.64	15.50	16
10	64QAM	25	25	15.72	15.65	15.46	
10	64QAM	50	0	15.71	15.42	15.39	
10	256QAM	1	0	15.63	15.61	15.65	16
10	256QAM	1	25	15.63	15.62	15.48	
10	256QAM	1	49	15.66	15.45	15.25	
10	256QAM	25	0	15.79	15.48	15.46	16
10	256QAM	25	12	15.57	15.45	15.43	
10	256QAM	25	25	15.47	15.49	15.44	
10	256QAM	50	0	15.74	15.68	15.54	
Channel				42115	42590	43065	Tune-up limit (dBm)
Frequency (MHz)				3452.5	3500	3547.5	
5	QPSK	1	0	15.84	15.66	15.92	16
5	QPSK	1	12	15.79	15.76	15.70	
5	QPSK	1	24	15.74	15.60	15.57	
5	QPSK	12	0	15.75	15.72	15.60	16
5	QPSK	12	7	15.76	15.66	15.55	
5	QPSK	12	13	15.65	15.55	15.51	
5	QPSK	25	0	15.63	15.64	15.53	16
5	16QAM	1	0	15.73	15.71	15.74	
5	16QAM	1	12	15.54	15.47	15.56	
5	16QAM	1	24	15.67	15.51	15.45	16
5	16QAM	12	0	15.79	15.65	15.47	
5	16QAM	12	7	15.73	15.52	15.65	
5	16QAM	12	13	15.62	15.52	15.51	16
5	16QAM	25	0	15.56	15.47	15.53	
5	64QAM	1	0	15.66	15.58	15.69	
5	64QAM	1	12	15.70	15.42	15.63	16
5	64QAM	1	24	15.62	15.51	15.61	
5	64QAM	12	0	15.57	15.49	15.53	
5	64QAM	12	7	15.75	15.58	15.39	16
5	64QAM	12	13	15.68	15.50	15.35	
5	64QAM	25	0	15.74	15.52	15.48	
5	256QAM	1	0	15.60	15.53	15.75	16
5	256QAM	1	12	15.64	15.48	15.53	
5	256QAM	1	24	15.57	15.59	15.25	
5	256QAM	12	0	15.72	15.60	15.42	16
5	256QAM	12	7	15.77	15.34	15.42	
5	256QAM	12	13	15.61	15.41	15.57	
5	256QAM	25	0	15.55	15.68	15.59	





<LTE Band 42\_Ant 0\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				42190	42590	42990	
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	11.47	11.52	11.76	12
20	QPSK	1	49	11.25	11.54	11.70	
20	QPSK	1	99	11.30	11.51	11.74	
20	QPSK	50	0	11.37	11.54	11.56	12
20	QPSK	50	24	11.09	11.40	11.55	
20	QPSK	50	50	11.48	11.54	11.52	
20	QPSK	100	0	11.46	11.45	11.54	11
20	16QAM	1	0	10.39	10.52	10.85	
20	16QAM	1	49	10.40	10.38	10.60	
20	16QAM	1	99	10.16	10.50	10.68	11
20	16QAM	50	0	10.44	10.55	10.61	
20	16QAM	50	24	10.17	10.36	10.49	
20	16QAM	50	50	10.30	10.62	10.71	10
20	16QAM	100	0	10.48	10.69	10.78	
20	64QAM	1	0	9.46	9.48	9.57	
20	64QAM	1	49	9.30	9.71	9.76	10
20	64QAM	1	99	9.41	9.31	9.53	
20	64QAM	50	0	9.25	9.50	9.49	
20	64QAM	50	24	9.35	9.39	9.47	10
20	64QAM	50	50	9.51	9.51	9.69	
20	64QAM	100	0	9.44	9.35	9.60	
20	256QAM	1	0	6.42	6.65	6.80	7
20	256QAM	1	49	6.36	6.43	6.67	
20	256QAM	1	99	6.47	6.37	6.65	
20	256QAM	50	0	6.27	6.54	6.60	7
20	256QAM	50	24	6.16	6.43	6.62	
20	256QAM	50	50	6.50	6.66	6.68	
20	256QAM	100	0	6.34	6.65	6.52	
Channel				42165	42590	43015	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3500	3542.5	
15	QPSK	1	0	11.54	11.51	11.61	12
15	QPSK	1	37	11.39	11.70	11.68	
15	QPSK	1	74	11.19	11.65	11.54	
15	QPSK	36	0	11.39	11.58	11.66	12
15	QPSK	36	20	11.12	11.46	11.62	
15	QPSK	36	39	11.43	11.56	11.53	
15	QPSK	75	0	11.54	11.42	11.65	11
15	16QAM	1	0	10.40	10.62	10.66	
15	16QAM	1	37	10.40	10.45	10.58	
15	16QAM	1	74	10.11	10.58	10.66	11
15	16QAM	36	0	10.44	10.47	10.63	
15	16QAM	36	20	10.33	10.38	10.60	
15	16QAM	36	39	10.41	10.55	10.67	10
15	16QAM	75	0	10.38	10.61	10.59	
15	64QAM	1	0	9.45	9.41	9.66	
15	64QAM	1	37	9.31	9.72	9.78	10
15	64QAM	1	74	9.47	9.27	9.45	
15	64QAM	36	0	9.12	9.39	9.67	
15	64QAM	36	20	9.33	9.38	9.40	10
15	64QAM	36	39	9.53	9.65	9.65	
15	64QAM	75	0	9.41	9.33	9.52	
15	256QAM	1	0	6.27	6.57	6.85	7
15	256QAM	1	37	6.28	6.43	6.62	
15	256QAM	1	74	6.32	6.43	6.71	
15	256QAM	36	0	6.24	6.51	6.73	7



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15	256QAM	36	20	6.19	6.58	6.68	
15	256QAM	36	39	6.42	6.51	6.71	
15	256QAM	75	0	6.35	6.65	6.64	
Channel				42140	42590	43040	Tune-up limit(dBm)
Frequency (MHz)				3455	3500	3545	
10	QPSK	1	0	11.51	11.58	11.68	12
10	QPSK	1	25	11.37	11.63	11.68	
10	QPSK	1	49	11.25	11.48	11.73	
10	QPSK	25	0	11.31	11.58	11.57	12
10	QPSK	25	12	11.13	11.57	11.66	
10	QPSK	25	25	11.57	11.49	11.55	
10	QPSK	50	0	11.58	11.49	11.64	11
10	16QAM	1	0	10.39	10.57	10.85	
10	16QAM	1	25	10.38	10.38	10.44	
10	16QAM	1	49	10.27	10.54	10.78	11
10	16QAM	25	0	10.35	10.46	10.63	
10	16QAM	25	12	10.35	10.27	10.46	
10	16QAM	25	25	10.41	10.62	10.66	10
10	16QAM	50	0	10.46	10.68	10.59	
10	64QAM	1	0	9.40	9.55	9.71	
10	64QAM	1	25	9.24	9.60	9.72	10
10	64QAM	1	49	9.45	9.34	9.58	
10	64QAM	25	0	9.24	9.39	9.64	
10	64QAM	25	12	9.32	9.43	9.52	10
10	64QAM	25	25	9.44	9.66	9.75	
10	64QAM	50	0	9.45	9.45	9.52	
10	256QAM	1	0	6.41	6.58	6.79	7
10	256QAM	1	25	6.35	6.38	6.49	
10	256QAM	1	49	6.46	6.41	6.63	
10	256QAM	25	0	6.25	6.44	6.55	7
10	256QAM	25	12	6.12	6.43	6.57	
10	256QAM	25	25	6.53	6.57	6.55	
10	256QAM	50	0	6.36	6.65	6.56	
Channel				42115	42590	43065	Tune-up limit (dBm)
Frequency (MHz)				3452.5	3500	3547.5	
5	QPSK	1	0	11.42	11.49	11.69	12
5	QPSK	1	12	11.29	11.70	11.71	
5	QPSK	1	24	11.33	11.66	11.64	
5	QPSK	12	0	11.31	11.59	11.60	12
5	QPSK	12	7	11.21	11.39	11.65	
5	QPSK	12	13	11.55	11.46	11.63	
5	QPSK	25	0	11.50	11.34	11.47	11
5	16QAM	1	0	10.28	10.56	10.81	
5	16QAM	1	12	10.41	10.36	10.58	
5	16QAM	1	24	10.22	10.60	10.66	11
5	16QAM	12	0	10.39	10.55	10.55	
5	16QAM	12	7	10.26	10.44	10.51	
5	16QAM	12	13	10.33	10.47	10.59	10
5	16QAM	25	0	10.45	10.77	10.69	
5	64QAM	1	0	9.35	9.37	9.71	
5	64QAM	1	12	9.29	9.64	9.60	10
5	64QAM	1	24	9.42	9.39	9.57	
5	64QAM	12	0	9.13	9.42	9.52	
5	64QAM	12	7	9.29	9.39	9.43	10
5	64QAM	12	13	9.45	9.52	9.64	
5	64QAM	25	0	9.59	9.41	9.64	
5	256QAM	1	0	6.42	6.57	6.73	7
5	256QAM	1	12	6.34	6.49	6.49	
5	256QAM	1	24	6.30	6.46	6.64	
5	256QAM	12	0	6.38	6.39	6.73	7
5	256QAM	12	7	6.09	6.42	6.58	
5	256QAM	12	13	6.44	6.50	6.57	
5	256QAM	25	0	6.40	6.58	6.69	



<LTE Band 42\_Ant 2\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				42190	42590	42990	
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	11.88	11.71	11.64	12
20	QPSK	1	49	11.83	11.65	11.58	
20	QPSK	1	99	11.81	11.63	11.56	
20	QPSK	50	0	11.86	11.69	11.62	12
20	QPSK	50	24	11.74	11.57	11.50	
20	QPSK	50	50	11.77	11.60	11.53	
20	QPSK	100	0	11.84	11.66	11.59	12
20	16QAM	1	0	11.75	11.58	11.51	
20	16QAM	1	49	11.82	11.65	11.58	
20	16QAM	1	99	11.75	11.58	11.51	12
20	16QAM	50	0	11.69	11.52	11.45	
20	16QAM	50	24	11.74	11.57	11.50	
20	16QAM	50	50	11.61	11.44	11.37	12
20	16QAM	100	0	11.76	11.59	11.52	
20	64QAM	1	0	11.75	11.58	11.51	
20	64QAM	1	49	11.68	11.51	11.44	12
20	64QAM	1	99	11.69	11.52	11.45	
20	64QAM	50	0	11.72	11.55	11.48	
20	64QAM	50	24	11.73	11.56	11.49	12
20	64QAM	50	50	11.69	11.52	11.45	
20	64QAM	100	0	11.77	11.60	11.53	
20	256QAM	1	0	11.72	11.55	11.48	12
20	256QAM	1	49	11.66	11.49	11.42	
20	256QAM	1	99	11.61	11.44	11.37	
20	256QAM	50	0	11.65	11.48	11.41	12
20	256QAM	50	24	11.64	11.47	11.40	
20	256QAM	50	50	11.61	11.44	11.37	
20	256QAM	100	0	11.74	11.57	11.50	
Channel				42165	42590	43015	
Frequency (MHz)				3457.5	3500	3542.5	Tune-up limit (dBm)
15	QPSK	1	0	11.69	11.69	11.45	12
15	QPSK	1	37	11.78	11.54	11.41	
15	QPSK	1	74	11.62	11.46	11.53	
15	QPSK	36	0	11.83	11.63	11.54	12
15	QPSK	36	20	11.74	11.54	11.38	
15	QPSK	36	39	11.73	11.48	11.33	
15	QPSK	75	0	11.78	11.47	11.54	12
15	16QAM	1	0	11.58	11.39	11.38	
15	16QAM	1	37	11.67	11.60	11.55	
15	16QAM	1	74	11.56	11.54	11.39	12
15	16QAM	36	0	11.55	11.38	11.34	
15	16QAM	36	20	11.54	11.53	11.38	
15	16QAM	36	39	11.47	11.27	11.17	12
15	16QAM	75	0	11.70	11.43	11.43	
15	64QAM	1	0	11.74	11.40	11.39	
15	64QAM	1	37	11.61	11.31	11.39	12
15	64QAM	1	74	11.53	11.39	11.36	
15	64QAM	36	0	11.69	11.51	11.48	
15	64QAM	36	20	11.68	11.36	11.48	12
15	64QAM	36	39	11.66	11.50	11.36	
15	64QAM	75	0	11.67	11.50	11.53	
15	256QAM	1	0	11.60	11.52	11.29	12
15	256QAM	1	37	11.46	11.48	11.23	
15	256QAM	1	74	11.52	11.38	11.30	
15	256QAM	36	0	11.57	11.32	11.32	12



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**Report No. : FA3N0927**

Channel	Frequency (MHz)	Power Spectral Density (dBm)	Power Spectral Density (dBm)	Power Spectral Density (dBm)	Tune-up limit (dBm)	
15	256QAM	36	20	11.58	11.38	11.38
15	256QAM	36	39	11.44	11.31	11.24
15	256QAM	75	0	11.72	11.48	11.39
Channel				42140	42590	43040
Frequency (MHz)				3455	3500	3545
10	QPSK	1	0	11.85	11.68	11.58
10	QPSK	1	25	11.69	11.57	11.48
10	QPSK	1	49	11.79	11.44	11.49
10	QPSK	25	0	11.73	11.51	11.52
10	QPSK	25	12	11.67	11.45	11.49
10	QPSK	25	25	11.70	11.45	11.43
10	QPSK	50	0	11.68	11.46	11.56
10	16QAM	1	0	11.72	11.54	11.48
10	16QAM	1	25	11.80	11.62	11.40
10	16QAM	1	49	11.72	11.46	11.47
10	16QAM	25	0	11.68	11.35	11.37
10	16QAM	25	12	11.61	11.37	11.40
10	16QAM	25	25	11.46	11.39	11.26
10	16QAM	50	0	11.70	11.39	11.34
10	64QAM	1	0	11.67	11.39	11.48
10	64QAM	1	25	11.51	11.46	11.24
10	64QAM	1	49	11.65	11.40	11.41
10	64QAM	25	0	11.65	11.47	11.37
10	64QAM	25	12	11.72	11.53	11.48
10	64QAM	25	25	11.61	11.43	11.25
10	64QAM	50	0	11.76	11.51	11.50
10	256QAM	1	0	11.66	11.36	11.28
10	256QAM	1	25	11.65	11.34	11.35
10	256QAM	1	49	11.41	11.26	11.29
10	256QAM	25	0	11.52	11.37	11.28
10	256QAM	25	12	11.52	11.32	11.31
10	256QAM	25	25	11.61	11.25	11.24
10	256QAM	50	0	11.65	11.46	11.35
Channel				42115	42590	43065
Frequency (MHz)				3452.5	3500	3547.5
5	QPSK	1	0	11.86	11.64	11.55
5	QPSK	1	12	11.62	11.50	11.43
5	QPSK	1	24	11.72	11.47	11.56
5	QPSK	12	0	11.82	11.55	11.43
5	QPSK	12	7	11.67	11.55	11.31
5	QPSK	12	13	11.64	11.53	11.39
5	QPSK	25	0	11.65	11.54	11.48
5	16QAM	1	0	11.59	11.58	11.31
5	16QAM	1	12	11.75	11.49	11.46
5	16QAM	1	24	11.64	11.43	11.41
5	16QAM	12	0	11.56	11.48	11.44
5	16QAM	12	7	11.74	11.49	11.36
5	16QAM	12	13	11.52	11.25	11.23
5	16QAM	25	0	11.56	11.45	11.52
5	64QAM	1	0	11.66	11.53	11.41
5	64QAM	1	12	11.63	11.34	11.41
5	64QAM	1	24	11.64	11.46	11.31
5	64QAM	12	0	11.66	11.41	11.30
5	64QAM	12	7	11.68	11.56	11.32
5	64QAM	12	13	11.69	11.46	11.32
5	64QAM	25	0	11.64	11.53	11.34
5	256QAM	1	0	11.55	11.48	11.38
5	256QAM	1	12	11.54	11.36	11.24
5	256QAM	1	24	11.41	11.34	11.33
5	256QAM	12	0	11.48	11.37	11.23
5	256QAM	12	7	11.58	11.37	11.21
5	256QAM	12	13	11.44	11.39	11.31
5	256QAM	25	0	11.72	11.47	11.40



<LTE Band 43\_Ant 0\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43690	44090	44490	
Frequency (MHz)				3610	3650	3690	
20	QPSK	1	0	22.00	21.62	21.55	22
20	QPSK	1	49	21.84	21.46	21.39	
20	QPSK	1	99	21.84	21.46	21.39	
20	QPSK	50	0	21.98	21.60	21.53	22
20	QPSK	50	24	21.98	21.60	21.53	
20	QPSK	50	50	21.94	21.56	21.49	
20	QPSK	100	0	21.95	21.57	21.50	22
20	16QAM	1	0	21.90	21.52	21.45	
20	16QAM	1	49	21.74	21.36	21.30	
20	16QAM	1	99	21.80	21.42	21.35	22
20	16QAM	50	0	21.98	21.60	21.53	
20	16QAM	50	24	21.95	21.57	21.50	
20	16QAM	50	50	21.94	21.56	21.49	22
20	16QAM	100	0	21.90	21.52	21.45	
20	64QAM	1	0	21.76	21.38	21.31	
20	64QAM	1	49	21.78	21.40	21.33	22
20	64QAM	1	99	21.85	21.47	21.40	
20	64QAM	50	0	21.18	20.81	20.75	
20	64QAM	50	24	21.12	20.76	20.69	22
20	64QAM	50	50	21.15	20.78	20.72	
20	64QAM	100	0	21.13	20.77	20.70	
20	256QAM	1	0	18.76	18.44	18.38	19.5
20	256QAM	1	49	18.75	18.43	18.37	
20	256QAM	1	99	18.75	18.43	18.37	
20	256QAM	50	0	19.16	18.83	18.77	19.5
20	256QAM	50	24	19.09	18.76	18.70	
20	256QAM	50	50	19.13	18.80	18.74	
20	256QAM	100	0	19.11	18.78	18.72	
Channel				43665	44090	44515	Tune-up limit (dBm)
Frequency (MHz)				3607.5	3650	3692.5	
15	QPSK	1	0	21.87	21.55	21.45	22
15	QPSK	1	37	21.77	21.36	21.38	
15	QPSK	1	74	21.74	21.38	21.22	
15	QPSK	36	0	21.84	21.60	21.47	22
15	QPSK	36	20	21.91	21.43	21.53	
15	QPSK	36	39	21.94	21.49	21.44	
15	QPSK	75	0	21.75	21.48	21.47	22
15	16QAM	1	0	21.89	21.35	21.26	
15	16QAM	1	37	21.58	21.25	21.29	
15	16QAM	1	74	21.79	21.36	21.18	22
15	16QAM	36	0	21.79	21.47	21.48	
15	16QAM	36	20	21.81	21.46	21.42	
15	16QAM	36	39	21.84	21.47	21.43	22
15	16QAM	75	0	21.84	21.49	21.30	
15	64QAM	1	0	21.64	21.34	21.18	
15	64QAM	1	37	21.72	21.35	21.32	22
15	64QAM	1	74	21.70	21.45	21.20	
15	64QAM	36	0	21.04	20.61	20.59	
15	64QAM	36	20	20.95	20.57	20.49	22
15	64QAM	36	39	21.06	20.69	20.67	
15	64QAM	75	0	21.11	20.76	20.57	
15	256QAM	1	0	18.60	18.35	18.35	19.5
15	256QAM	1	37	18.59	18.33	18.33	
15	256QAM	1	74	18.74	18.32	18.18	
15	256QAM	36	0	19.15	18.66	18.76	19.5



**FCC SAR TEST REPORT**

**Report No. : FA3N0927**

15	256QAM	36	20	19.07	18.66	18.67	
15	256QAM	36	39	19.03	18.62	18.67	
15	256QAM	75	0	19.02	18.64	18.69	
Channel				43640	44090	44540	Tune-up limit(dBm)
Frequency (MHz)				3605	3650	3695	
10	QPSK	1	0	21.83	21.52	21.38	22
10	QPSK	1	25	21.80	21.27	21.34	
10	QPSK	1	49	21.69	21.46	21.35	
10	QPSK	25	0	21.96	21.59	21.50	22
10	QPSK	25	12	21.95	21.57	21.33	
10	QPSK	25	25	21.77	21.49	21.49	
10	QPSK	50	0	21.79	21.38	21.35	22
10	16QAM	1	0	21.72	21.32	21.34	
10	16QAM	1	25	21.60	21.22	21.18	
10	16QAM	1	49	21.70	21.39	21.15	22
10	16QAM	25	0	21.88	21.54	21.35	
10	16QAM	25	12	21.92	21.51	21.46	
10	16QAM	25	25	21.78	21.50	21.34	22
10	16QAM	50	0	21.84	21.37	21.33	
10	64QAM	1	0	21.76	21.19	21.28	
10	64QAM	1	25	21.58	21.28	21.22	22
10	64QAM	1	49	21.85	21.47	21.29	
10	64QAM	25	0	21.15	20.76	20.69	
10	64QAM	25	12	21.03	20.57	20.56	22
10	64QAM	25	25	21.08	20.63	20.58	
10	64QAM	50	0	20.98	20.57	20.70	
10	256QAM	1	0	18.71	18.32	18.38	19.5
10	256QAM	1	25	18.71	18.29	18.19	
10	256QAM	1	49	18.62	18.34	18.32	
10	256QAM	25	0	18.97	18.66	18.71	19.5
10	256QAM	25	12	19.03	18.73	18.68	
10	256QAM	25	25	18.93	18.79	18.74	
10	256QAM	50	0	18.95	18.76	18.62	
Channel				43615	44090	44565	Tune-up limit (dBm)
Frequency (MHz)				3602.5	3650	3697.5	
5	QPSK	1	0	21.89	21.50	21.42	22
5	QPSK	1	12	21.73	21.33	21.33	
5	QPSK	1	24	21.79	21.46	21.20	
5	QPSK	12	0	21.80	21.52	21.44	22
5	QPSK	12	7	21.88	21.45	21.47	
5	QPSK	12	13	21.82	21.48	21.33	
5	QPSK	25	0	21.81	21.45	21.49	22
5	16QAM	1	0	21.86	21.45	21.30	
5	16QAM	1	12	21.65	21.26	21.23	
5	16QAM	1	24	21.77	21.29	21.16	22
5	16QAM	12	0	21.91	21.46	21.49	
5	16QAM	12	7	21.92	21.52	21.45	
5	16QAM	12	13	21.88	21.46	21.35	22
5	16QAM	25	0	21.75	21.32	21.45	
5	64QAM	1	0	21.60	21.27	21.16	
5	64QAM	1	12	21.74	21.37	21.18	22
5	64QAM	1	24	21.71	21.30	21.37	
5	64QAM	12	0	20.98	20.80	20.69	
5	64QAM	12	7	21.11	20.72	20.56	22
5	64QAM	12	13	21.04	20.65	20.56	
5	64QAM	25	0	21.03	20.67	20.65	
5	256QAM	1	0	18.65	18.35	18.29	19.5
5	256QAM	1	12	18.71	18.28	18.31	
5	256QAM	1	24	18.60	18.39	18.17	
5	256QAM	12	0	18.99	18.72	18.76	19.5
5	256QAM	12	7	18.99	18.72	18.53	
5	256QAM	12	13	18.93	18.63	18.73	
5	256QAM	25	0	19.04	18.72	18.60	



<LTE Band 43\_Ant 2\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43690	44090	44490	
Frequency (MHz)				3610	3650	3690	
20	QPSK	1	0	21.84	21.56	21.51	22
20	QPSK	1	49	21.79	21.37	21.21	
20	QPSK	1	99	21.72	21.45	21.33	
20	QPSK	50	0	20.97	20.45	20.34	21
20	QPSK	50	24	20.91	20.59	20.42	
20	QPSK	50	50	20.75	20.37	20.29	
20	QPSK	100	0	20.83	20.50	20.48	21
20	16QAM	1	0	20.79	20.51	20.44	
20	16QAM	1	49	20.66	20.32	20.27	
20	16QAM	1	99	20.75	20.32	20.26	21
20	16QAM	50	0	20.96	20.52	20.36	
20	16QAM	50	24	20.75	20.57	20.49	
20	16QAM	50	50	20.80	20.51	20.40	21
20	16QAM	100	0	20.87	20.48	20.34	
20	64QAM	1	0	20.66	20.21	20.17	
20	64QAM	1	49	20.63	20.32	20.30	21
20	64QAM	1	99	20.71	20.28	20.37	
20	64QAM	50	0	20.08	19.80	19.64	
20	64QAM	50	24	20.00	19.61	19.69	21
20	64QAM	50	50	20.05	19.69	19.68	
20	64QAM	100	0	20.13	19.68	19.67	
20	256QAM	1	0	17.76	17.31	17.22	19
20	256QAM	1	49	17.59	17.30	17.19	
20	256QAM	1	99	17.60	17.38	17.17	
20	256QAM	50	0	17.98	17.71	17.68	19
20	256QAM	50	24	18.04	17.59	17.66	
20	256QAM	50	50	18.10	17.71	17.68	
20	256QAM	100	0	18.00	17.69	17.63	
Channel				43665	44090	44515	Tune-up limit (dBm)
Frequency (MHz)				3607.5	3650	3692.5	
15	QPSK	1	0	21.81	21.38	21.53	22
15	QPSK	1	37	21.78	21.20	21.25	
15	QPSK	1	74	21.62	21.23	21.26	
15	QPSK	36	0	20.83	20.57	20.27	21
15	QPSK	36	20	20.76	20.45	20.42	
15	QPSK	36	39	20.56	20.45	20.24	
15	QPSK	75	0	20.61	20.33	20.22	21
15	16QAM	1	0	20.68	20.37	20.30	
15	16QAM	1	37	20.70	20.20	20.02	
15	16QAM	1	74	20.77	20.12	20.27	21
15	16QAM	36	0	20.97	20.36	20.38	
15	16QAM	36	20	20.72	20.52	20.22	
15	16QAM	36	39	20.71	20.41	20.25	21
15	16QAM	75	0	20.77	20.37	20.30	
15	64QAM	1	0	20.65	20.28	20.05	
15	64QAM	1	37	20.57	20.16	20.21	21
15	64QAM	1	74	20.75	20.22	20.27	
15	64QAM	36	0	19.92	19.72	19.40	
15	64QAM	36	20	19.81	19.41	19.51	21
15	64QAM	36	39	19.89	19.67	19.62	
15	64QAM	75	0	19.84	19.53	19.60	
15	256QAM	1	0	17.71	17.23	17.09	19
15	256QAM	1	37	17.55	17.17	17.09	
15	256QAM	1	74	17.50	17.10	17.11	
15	256QAM	36	0	17.87	17.57	17.49	19



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15	256QAM	36	20	17.87	17.67	17.38	
15	256QAM	36	39	17.88	17.60	17.65	
15	256QAM	75	0	17.79	17.58	17.51	
Channel				43640	44090	44540	Tune-up limit(dBm)
Frequency (MHz)				3605	3650	3695	
10	QPSK	1	0	21.65	21.34	21.51	22
10	QPSK	1	25	21.62	21.31	21.34	
10	QPSK	1	49	21.61	21.35	21.24	
10	QPSK	25	0	20.71	20.55	20.24	21
10	QPSK	25	12	20.72	20.41	20.35	
10	QPSK	25	25	20.62	20.41	20.28	
10	QPSK	50	0	20.66	20.35	20.23	21
10	16QAM	1	0	20.68	20.33	20.34	
10	16QAM	1	25	20.64	20.04	20.08	
10	16QAM	1	49	20.64	20.10	20.20	21
10	16QAM	25	0	20.96	20.29	20.33	
10	16QAM	25	12	20.74	20.47	20.25	
10	16QAM	25	25	20.76	20.53	20.25	21
10	16QAM	50	0	20.67	20.36	20.37	
10	64QAM	1	0	20.54	20.31	20.04	
10	64QAM	1	25	20.70	20.09	20.06	21
10	64QAM	1	49	20.80	20.32	20.25	
10	64QAM	25	0	19.90	19.70	19.49	
10	64QAM	25	12	19.73	19.45	19.34	21
10	64QAM	25	25	20.03	19.63	19.43	
10	64QAM	50	0	19.84	19.62	19.50	
10	256QAM	1	0	17.57	17.24	17.03	19
10	256QAM	1	25	17.60	17.26	17.14	
10	256QAM	1	49	17.65	17.18	17.26	
10	256QAM	25	0	17.94	17.49	17.63	19
10	256QAM	25	12	17.89	17.63	17.40	
10	256QAM	25	25	17.88	17.68	17.48	
10	256QAM	50	0	17.91	17.48	17.57	
Channel				43615	44090	44565	Tune-up limit (dBm)
Frequency (MHz)				3602.5	3650	3697.5	
5	QPSK	1	0	21.77	21.45	21.42	22
5	QPSK	1	12	21.66	21.29	21.27	
5	QPSK	1	24	21.72	21.28	21.27	
5	QPSK	12	0	20.91	20.51	20.18	21
5	QPSK	12	7	20.73	20.35	20.36	
5	QPSK	12	13	20.73	20.45	20.34	
5	QPSK	25	0	20.79	20.30	20.11	21
5	16QAM	1	0	20.75	20.42	20.38	
5	16QAM	1	12	20.69	20.07	19.94	
5	16QAM	1	24	20.75	20.11	20.32	21
5	16QAM	12	0	20.87	20.26	20.39	
5	16QAM	12	7	20.85	20.52	20.32	
5	16QAM	12	13	20.87	20.40	20.24	21
5	16QAM	25	0	20.67	20.39	20.25	
5	64QAM	1	0	20.57	20.21	20.11	
5	64QAM	1	12	20.71	20.20	20.04	21
5	64QAM	1	24	20.72	20.18	20.27	
5	64QAM	12	0	19.84	19.75	19.51	
5	64QAM	12	7	19.87	19.60	19.38	21
5	64QAM	12	13	20.03	19.72	19.49	
5	64QAM	25	0	19.87	19.58	19.59	
5	256QAM	1	0	17.65	17.13	17.03	19
5	256QAM	1	12	17.53	17.17	17.13	
5	256QAM	1	24	17.50	17.12	17.22	
5	256QAM	12	0	17.87	17.66	17.57	19
5	256QAM	12	7	17.86	17.53	17.49	
5	256QAM	12	13	17.99	17.59	17.51	
5	256QAM	25	0	17.76	17.65	17.61	





<LTE Band 43\_Ant 0\_Sensor ON\_NB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43690	44090	44490	
Frequency (MHz)				3610	3650	3690	
20	QPSK	1	0	15.87	15.69	15.59	16
20	QPSK	1	49	15.73	15.55	15.45	
20	QPSK	1	99	15.64	15.46	15.36	
20	QPSK	50	0	15.82	15.65	15.57	16
20	QPSK	50	24	15.64	15.46	15.36	
20	QPSK	50	50	15.72	15.64	15.54	
20	QPSK	100	0	15.81	15.63	15.53	16
20	16QAM	1	0	15.77	15.69	15.59	
20	16QAM	1	49	15.69	15.48	15.32	
20	16QAM	1	99	15.51	15.26	15.17	16
20	16QAM	50	0	15.78	15.50	15.31	
20	16QAM	50	24	15.64	15.44	15.18	
20	16QAM	50	50	15.71	15.60	15.42	16
20	16QAM	100	0	15.73	15.54	15.42	
20	64QAM	1	0	15.74	15.59	15.56	
20	64QAM	1	49	15.66	15.36	15.35	16
20	64QAM	1	99	15.60	15.45	15.26	
20	64QAM	50	0	15.73	15.43	15.41	
20	64QAM	50	24	15.63	15.46	15.20	16
20	64QAM	50	50	15.80	15.55	15.45	
20	64QAM	100	0	15.67	15.48	15.40	
20	256QAM	1	0	15.60	15.59	15.53	16
20	256QAM	1	49	15.62	15.18	15.34	
20	256QAM	1	99	15.52	15.27	15.23	
20	256QAM	50	0	15.73	15.42	15.27	16
20	256QAM	50	24	15.48	15.42	15.06	
20	256QAM	50	50	15.61	15.35	15.27	
20	256QAM	100	0	15.53	15.34	15.31	
Channel				43665	44090	44515	Tune-up limit (dBm)
Frequency (MHz)				3607.5	3650	3692.5	
15	QPSK	1	0	15.87	15.50	15.45	16
15	QPSK	1	37	15.56	15.42	15.44	
15	QPSK	1	74	15.59	15.26	15.34	
15	QPSK	36	0	15.76	15.53	15.39	16
15	QPSK	36	20	15.59	15.28	15.31	
15	QPSK	36	39	15.79	15.57	15.35	
15	QPSK	75	0	15.81	15.54	15.45	16
15	16QAM	1	0	15.65	15.57	15.41	
15	16QAM	1	37	15.55	15.28	15.12	
15	16QAM	1	74	15.40	15.15	15.16	16
15	16QAM	36	0	15.59	15.42	15.28	
15	16QAM	36	20	15.53	15.36	15.17	
15	16QAM	36	39	15.59	15.45	15.25	16
15	16QAM	75	0	15.62	15.37	15.42	
15	64QAM	1	0	15.58	15.58	15.48	
15	64QAM	1	37	15.63	15.32	15.23	16
15	64QAM	1	74	15.47	15.29	15.22	
15	64QAM	36	0	15.57	15.33	15.35	
15	64QAM	36	20	15.53	15.40	15.09	16
15	64QAM	36	39	15.68	15.45	15.30	
15	64QAM	75	0	15.56	15.30	15.38	
15	256QAM	1	0	15.52	15.49	15.49	16
15	256QAM	1	37	15.59	15.07	15.21	
15	256QAM	1	74	15.41	15.11	15.05	
15	256QAM	36	0	15.62	15.23	15.08	16



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Channel	Frequency (MHz)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Power (dBm)	Tune-up limit (dBm)
15	256QAM	36	20	15.37	15.42	15.00	
15	256QAM	36	39	15.54	15.30	15.20	
15	256QAM	75	0	15.52	15.21	15.26	
Channel				43640	44090	44540	Tune-up limit (dBm)
Frequency (MHz)				3605	3650	3695	
10	QPSK	1	0	15.82	15.53	15.49	16
10	QPSK	1	25	15.71	15.36	15.36	
10	QPSK	1	49	15.55	15.38	15.22	
10	QPSK	25	0	15.63	15.57	15.31	16
10	QPSK	25	12	15.51	15.38	15.19	
10	QPSK	25	25	15.81	15.55	15.37	
10	QPSK	50	0	15.72	15.56	15.44	16
10	16QAM	1	0	15.73	15.53	15.52	
10	16QAM	1	25	15.54	15.42	15.19	
10	16QAM	1	49	15.48	15.20	15.14	16
10	16QAM	25	0	15.67	15.44	15.22	
10	16QAM	25	12	15.51	15.24	15.16	
10	16QAM	25	25	15.53	15.41	15.41	16
10	16QAM	50	0	15.62	15.40	15.25	
10	64QAM	1	0	15.64	15.47	15.54	
10	64QAM	1	25	15.59	15.20	15.29	16
10	64QAM	1	49	15.46	15.36	15.07	
10	64QAM	25	0	15.72	15.32	15.36	
10	64QAM	25	12	15.61	15.26	15.13	16
10	64QAM	25	25	15.72	15.36	15.37	
10	64QAM	50	0	15.65	15.30	15.23	
10	256QAM	1	0	15.42	15.40	15.44	16
10	256QAM	1	25	15.57	15.06	15.25	
10	256QAM	1	49	15.34	15.20	15.05	
10	256QAM	25	0	15.53	15.30	15.26	16
10	256QAM	25	12	15.29	15.35	14.90	
10	256QAM	25	25	15.61	15.32	15.15	
10	256QAM	50	0	15.34	15.23	15.12	
Channel				43615	44090	44565	Tune-up limit (dBm)
Frequency (MHz)				3602.5	3650	3697.5	
5	QPSK	1	0	15.78	15.60	15.44	16
5	QPSK	1	12	15.67	15.53	15.38	
5	QPSK	1	24	15.57	15.31	15.33	
5	QPSK	12	0	15.61	15.46	15.32	16
5	QPSK	12	7	15.58	15.31	15.17	
5	QPSK	12	13	15.73	15.57	15.46	
5	QPSK	25	0	15.70	15.56	15.34	16
5	16QAM	1	0	15.62	15.57	15.39	
5	16QAM	1	12	15.64	15.37	15.16	
5	16QAM	1	24	15.33	15.25	15.07	16
5	16QAM	12	0	15.60	15.37	15.17	
5	16QAM	12	7	15.44	15.28	14.98	
5	16QAM	12	13	15.71	15.48	15.29	16
5	16QAM	25	0	15.73	15.49	15.41	
5	64QAM	1	0	15.64	15.55	15.55	
5	64QAM	1	12	15.59	15.31	15.28	16
5	64QAM	1	24	15.52	15.39	15.23	
5	64QAM	12	0	15.63	15.41	15.24	
5	64QAM	12	7	15.53	15.45	15.15	16
5	64QAM	12	13	15.72	15.42	15.31	
5	64QAM	25	0	15.67	15.48	15.27	
5	256QAM	1	0	15.49	15.44	15.52	16
5	256QAM	1	12	15.59	15.18	15.26	
5	256QAM	1	24	15.39	15.19	15.16	
5	256QAM	12	0	15.58	15.24	15.16	16
5	256QAM	12	7	15.36	15.29	14.96	
5	256QAM	12	13	15.52	15.32	15.12	
5	256QAM	25	0	15.38	15.33	15.24	



<LTE Band 43\_Ant 0\_Sensor ON\_NB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43690	44090	44490	
Frequency (MHz)				3610	3650	3690	
20	QPSK	1	0	18.50	17.98	17.74	18.5
20	QPSK	1	49	18.44	17.92	17.72	
20	QPSK	1	99	18.41	17.95	17.70	
20	QPSK	50	0	18.45	17.93	17.69	18.5
20	QPSK	50	24	18.20	17.90	17.64	
20	QPSK	50	50	18.33	17.88	17.60	
20	QPSK	100	0	18.44	17.91	17.64	18.5
20	16QAM	1	0	18.39	17.82	17.59	
20	16QAM	1	49	18.35	17.91	17.66	
20	16QAM	1	99	18.32	17.76	17.65	18.5
20	16QAM	50	0	18.35	17.86	17.59	
20	16QAM	50	24	18.09	17.78	17.58	
20	16QAM	50	50	18.15	17.76	17.42	18.5
20	16QAM	100	0	18.31	17.76	17.51	
20	64QAM	1	0	18.36	17.82	17.60	
20	64QAM	1	49	18.29	17.76	17.64	18.5
20	64QAM	1	99	18.31	17.77	17.55	
20	64QAM	50	0	18.25	17.87	17.60	
20	64QAM	50	24	18.09	17.71	17.55	18.5
20	64QAM	50	50	18.23	17.73	17.46	
20	64QAM	100	0	18.39	17.78	17.61	
20	256QAM	1	0	18.17	18.01	17.71	18.5
20	256QAM	1	49	18.10	17.94	17.65	
20	256QAM	1	99	18.16	18.00	17.71	
20	256QAM	50	0	18.22	18.06	17.76	18.5
20	256QAM	50	24	18.24	18.08	17.78	
20	256QAM	50	50	18.23	18.07	17.77	
20	256QAM	100	0	18.31	18.15	17.85	
Channel				43665	44090	44515	
Frequency (MHz)				3607.5	3650	3692.5	Tune-up limit (dBm)
15	QPSK	1	0	18.48	17.89	17.59	18.5
15	QPSK	1	37	18.44	17.76	17.60	
15	QPSK	1	74	18.30	17.94	17.67	
15	QPSK	36	0	18.34	17.80	17.53	18.5
15	QPSK	36	20	18.15	17.73	17.48	
15	QPSK	36	39	18.32	17.79	17.47	
15	QPSK	75	0	18.43	17.72	17.53	18.5
15	16QAM	1	0	18.22	17.64	17.44	
15	16QAM	1	37	18.15	17.72	17.61	
15	16QAM	1	74	18.29	17.63	17.51	18.5
15	16QAM	36	0	18.19	17.68	17.49	
15	16QAM	36	20	17.96	17.73	17.49	
15	16QAM	36	39	18.05	17.62	17.28	18.5
15	16QAM	75	0	18.24	17.63	17.51	
15	64QAM	1	0	18.29	17.72	17.43	
15	64QAM	1	37	18.29	17.63	17.46	18.5
15	64QAM	1	74	18.26	17.62	17.45	
15	64QAM	36	0	18.21	17.83	17.41	
15	64QAM	36	20	17.96	17.64	17.44	18.5
15	64QAM	36	39	18.19	17.62	17.28	
15	64QAM	75	0	18.30	17.70	17.47	
15	256QAM	1	0	18.06	17.86	17.55	18.5
15	256QAM	1	37	17.98	17.86	17.64	
15	256QAM	1	74	17.98	17.82	17.51	
15	256QAM	36	0	18.17	18.02	17.64	18.5
15	256QAM	36	20	18.09	17.90	17.76	



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15	256QAM	36	39	18.13	17.98	17.69	
15	256QAM	75	0	18.21	18.06	17.80	
Channel				43640	44090	44540	Tune-up limit(dBm)
Frequency (MHz)				3605	3650	3695	
10	QPSK	1	0	18.48	17.95	17.73	18.5
10	QPSK	1	25	18.42	17.81	17.61	
10	QPSK	1	49	18.41	17.84	17.62	
10	QPSK	25	0	18.42	17.76	17.66	18.5
10	QPSK	25	12	18.20	17.87	17.55	
10	QPSK	25	25	18.19	17.81	17.46	
10	QPSK	50	0	18.38	17.86	17.53	
10	16QAM	1	0	18.22	17.62	17.43	
10	16QAM	1	25	18.35	17.74	17.53	18.5
10	16QAM	1	49	18.31	17.57	17.59	
10	16QAM	25	0	18.19	17.79	17.58	18.5
10	16QAM	25	12	17.91	17.73	17.42	
10	16QAM	25	25	17.99	17.76	17.38	
10	16QAM	50	0	18.29	17.70	17.35	
10	64QAM	1	0	18.22	17.63	17.46	
10	64QAM	1	25	18.25	17.62	17.49	18.5
10	64QAM	1	49	18.28	17.73	17.35	
10	64QAM	25	0	18.15	17.71	17.50	
10	64QAM	25	12	18.00	17.65	17.35	18.5
10	64QAM	25	25	18.07	17.54	17.26	
10	64QAM	50	0	18.27	17.74	17.57	
10	256QAM	1	0	18.00	17.81	17.67	
10	256QAM	1	25	18.06	17.83	17.60	
10	256QAM	1	49	18.09	17.91	17.59	18.5
10	256QAM	25	0	18.12	17.95	17.65	
10	256QAM	25	12	18.10	17.99	17.73	
10	256QAM	25	25	18.21	18.02	17.62	
10	256QAM	50	0	18.12	18.14	17.67	
Channel				43615	44090	44565	Tune-up limit (dBm)
Frequency (MHz)				3602.5	3650	3697.5	
5	QPSK	1	0	18.39	17.89	17.58	18.5
5	QPSK	1	12	18.32	17.74	17.59	
5	QPSK	1	24	18.39	17.88	17.53	
5	QPSK	12	0	18.43	17.77	17.50	18.5
5	QPSK	12	7	18.01	17.82	17.51	
5	QPSK	12	13	18.22	17.82	17.42	
5	QPSK	25	0	18.24	17.74	17.46	
5	16QAM	1	0	18.30	17.76	17.47	
5	16QAM	1	12	18.34	17.73	17.55	18.5
5	16QAM	1	24	18.28	17.59	17.53	
5	16QAM	12	0	18.21	17.71	17.57	
5	16QAM	12	7	18.05	17.74	17.47	18.5
5	16QAM	12	13	17.97	17.60	17.42	
5	16QAM	25	0	18.27	17.72	17.36	
5	64QAM	1	0	18.16	17.66	17.59	
5	64QAM	1	12	18.12	17.58	17.64	
5	64QAM	1	24	18.22	17.73	17.44	18.5
5	64QAM	12	0	18.15	17.72	17.60	
5	64QAM	12	7	17.90	17.57	17.52	
5	64QAM	12	13	18.03	17.71	17.32	
5	64QAM	25	0	18.23	17.66	17.58	
5	256QAM	1	0	18.09	17.94	17.56	18.5
5	256QAM	1	12	18.01	17.75	17.64	
5	256QAM	1	24	18.13	17.96	17.64	
5	256QAM	12	0	18.22	17.93	17.64	18.5
5	256QAM	12	7	18.06	18.00	17.63	
5	256QAM	12	13	18.10	17.96	17.57	
5	256QAM	25	0	18.19	17.98	17.84	



<LTE Band 43\_Ant 0\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43690	44090	44490	
Frequency (MHz)				3610	3650	3690	
20	QPSK	1	0	12.89	12.66	12.75	13
20	QPSK	1	49	12.81	12.60	12.63	
20	QPSK	1	99	12.75	12.40	12.44	
20	QPSK	50	0	12.73	12.66	12.64	13
20	QPSK	50	24	12.40	12.65	12.38	
20	QPSK	50	50	12.71	12.59	12.54	
20	QPSK	100	0	12.70	12.43	12.49	12
20	16QAM	1	0	11.71	11.97	11.82	
20	16QAM	1	49	11.80	11.81	11.71	
20	16QAM	1	99	11.38	11.90	11.80	12
20	16QAM	50	0	11.75	11.72	11.65	
20	16QAM	50	24	11.85	11.85	11.84	
20	16QAM	50	50	11.35	11.74	11.84	12
20	16QAM	100	0	11.80	11.60	11.64	
20	64QAM	1	0	10.16	10.67	10.27	
20	64QAM	1	49	10.77	10.89	10.95	11
20	64QAM	1	99	10.52	10.74	10.53	
20	64QAM	50	0	10.44	10.58	10.58	
20	64QAM	50	24	10.13	10.75	10.39	11
20	64QAM	50	50	10.87	10.88	10.82	
20	64QAM	100	0	10.51	10.70	10.62	
20	256QAM	1	0	7.27	7.53	7.32	8
20	256QAM	1	49	7.68	7.77	7.76	
20	256QAM	1	99	7.55	7.49	7.42	
20	256QAM	50	0	7.52	7.69	7.53	8
20	256QAM	50	24	7.68	7.68	7.94	
20	256QAM	50	50	7.55	7.54	7.48	
20	256QAM	100	0	7.46	7.65	7.53	
Channel				43665	44090	44515	
Frequency (MHz)				3607.5	3650	3692.5	Tune-up limit (dBm)
15	QPSK	1	0	12.58	12.82	12.70	13
15	QPSK	1	37	12.59	12.69	12.59	
15	QPSK	1	74	12.31	12.69	12.26	
15	QPSK	36	0	12.55	12.54	12.48	13
15	QPSK	36	20	12.61	12.32	12.30	
15	QPSK	36	39	12.46	12.64	12.39	
15	QPSK	75	0	12.38	12.60	12.47	12
15	16QAM	1	0	11.65	11.95	11.77	
15	16QAM	1	37	11.65	11.65	11.61	
15	16QAM	1	74	11.36	11.80	11.74	12
15	16QAM	36	0	11.65	11.52	11.52	
15	16QAM	36	20	11.81	11.70	11.71	
15	16QAM	36	39	11.30	11.63	11.79	12
15	16QAM	75	0	11.65	11.45	11.56	
15	64QAM	1	0	10.12	10.47	10.11	
15	64QAM	1	37	10.59	10.73	10.77	11
15	64QAM	1	74	10.34	10.55	10.41	
15	64QAM	36	0	10.34	10.51	10.48	
15	64QAM	36	20	10.12	10.75	10.25	11
15	64QAM	36	39	10.69	10.84	10.67	
15	64QAM	75	0	10.32	10.52	10.60	
15	256QAM	1	0	7.18	7.35	7.26	8
15	256QAM	1	37	7.56	7.65	7.58	
15	256QAM	1	74	7.40	7.46	7.28	
15	256QAM	36	0	7.50	7.58	7.40	8
15	256QAM	36	20	7.64	7.54	7.85	



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**Report No. : FA3N0927**

15	256QAM	36	39	7.50	7.40	7.31	
15	256QAM	75	0	7.35	7.49	7.38	
Channel				43640	44090	44540	Tune-up limit(dBm)
Frequency (MHz)				3605	3650	3695	
10	QPSK	1	0	12.56	12.81	12.63	13
10	QPSK	1	25	12.50	12.63	12.44	
10	QPSK	1	49	12.25	12.75	12.38	
10	QPSK	25	0	12.48	12.63	12.44	13
10	QPSK	25	12	12.55	12.30	12.19	
10	QPSK	25	25	12.50	12.53	12.44	
10	QPSK	50	0	12.24	12.67	12.36	12
10	16QAM	1	0	11.56	11.85	11.63	
10	16QAM	1	25	11.63	11.73	11.71	
10	16QAM	1	49	11.20	11.74	11.73	12
10	16QAM	25	0	11.70	11.65	11.60	
10	16QAM	25	12	11.66	11.75	11.73	
10	16QAM	25	25	11.35	11.70	11.76	11
10	16QAM	50	0	11.63	11.53	11.52	
10	64QAM	1	0	10.05	10.55	10.09	
10	64QAM	1	25	10.66	10.70	10.82	11
10	64QAM	1	49	10.32	10.67	10.45	
10	64QAM	25	0	10.29	10.58	10.44	
10	64QAM	25	12	9.95	10.67	10.34	11
10	64QAM	25	25	10.75	10.72	10.81	
10	64QAM	50	0	10.51	10.55	10.62	
10	256QAM	1	0	7.09	7.38	7.20	8
10	256QAM	1	25	7.63	7.71	7.58	
10	256QAM	1	49	7.36	7.29	7.25	
10	256QAM	25	0	7.38	7.57	7.51	8
10	256QAM	25	12	7.64	7.52	7.85	
10	256QAM	25	25	7.46	7.53	7.47	
10	256QAM	50	0	7.35	7.64	7.38	
Channel				43615	44090	44565	
Frequency (MHz)				3602.5	3650	3697.5	Tune-up limit (dBm)
5	QPSK	1	0	12.52	12.86	12.65	13
5	QPSK	1	12	12.43	12.63	12.60	
5	QPSK	1	24	12.37	12.62	12.42	
5	QPSK	12	0	12.57	12.55	12.58	13
5	QPSK	12	7	12.54	12.35	12.34	
5	QPSK	12	13	12.44	12.64	12.38	
5	QPSK	25	0	12.32	12.63	12.33	12
5	16QAM	1	0	11.70	11.80	11.67	
5	16QAM	1	12	11.80	11.67	11.67	
5	16QAM	1	24	11.25	11.82	11.69	12
5	16QAM	12	0	11.64	11.71	11.45	
5	16QAM	12	7	11.79	11.79	11.69	
5	16QAM	12	13	11.28	11.60	11.83	11
5	16QAM	25	0	11.77	11.48	11.50	
5	64QAM	1	0	10.08	10.62	10.07	
5	64QAM	1	12	10.60	10.76	10.81	11
5	64QAM	1	24	10.46	10.62	10.34	
5	64QAM	12	0	10.43	10.53	10.40	
5	64QAM	12	7	10.11	10.56	10.29	11
5	64QAM	12	13	10.73	10.85	10.80	
5	64QAM	25	0	10.44	10.56	10.45	
5	256QAM	1	0	7.22	7.47	7.21	8
5	256QAM	1	12	7.56	7.74	7.65	
5	256QAM	1	24	7.42	7.44	7.23	
5	256QAM	12	0	7.52	7.66	7.48	8
5	256QAM	12	7	7.48	7.50	7.76	
5	256QAM	12	13	7.45	7.44	7.29	
5	256QAM	25	0	7.27	7.47	7.37	



<LTE Band 43\_Ant 2\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				43690	44090	44490	
Frequency (MHz)				3610	3650	3690	
20	QPSK	1	0	12.00	11.84	11.73	12
20	QPSK	1	49	11.94	11.78	11.67	
20	QPSK	1	99	11.92	11.76	11.65	
20	QPSK	50	0	11.84	11.68	11.57	12
20	QPSK	50	24	11.81	11.65	11.54	
20	QPSK	50	50	11.82	11.66	11.55	
20	QPSK	100	0	11.90	11.74	11.63	12
20	16QAM	1	0	11.92	11.69	11.73	
20	16QAM	1	49	11.93	11.72	11.48	
20	16QAM	1	99	11.72	11.64	11.64	12
20	16QAM	50	0	11.70	11.67	11.49	
20	16QAM	50	24	11.79	11.47	11.37	
20	16QAM	50	50	11.68	11.59	11.54	12
20	16QAM	100	0	11.84	11.62	11.47	
20	64QAM	1	0	11.83	11.83	11.53	
20	64QAM	1	49	11.80	11.73	11.64	12
20	64QAM	1	99	11.77	11.56	11.63	
20	64QAM	50	0	11.64	11.66	11.44	
20	64QAM	50	24	11.62	11.58	11.38	12
20	64QAM	50	50	11.69	11.48	11.35	
20	64QAM	100	0	11.86	11.56	11.49	
20	256QAM	1	0	11.86	11.65	11.72	12
20	256QAM	1	49	11.91	11.71	11.58	
20	256QAM	1	99	11.81	11.62	11.52	
20	256QAM	50	0	11.74	11.61	11.48	12
20	256QAM	50	24	11.78	11.56	11.36	
20	256QAM	50	50	11.70	11.46	11.45	
20	256QAM	100	0	11.90	11.63	11.43	
Channel				43665	44090	44515	Tune-up limit (dBm)
Frequency (MHz)				3607.5	3650	3692.5	
15	QPSK	1	0	11.81	11.67	11.59	12
15	QPSK	1	37	11.89	11.76	11.56	
15	QPSK	1	74	11.72	11.67	11.61	
15	QPSK	36	0	11.75	11.61	11.48	12
15	QPSK	36	20	11.67	11.60	11.37	
15	QPSK	36	39	11.75	11.65	11.42	
15	QPSK	75	0	11.82	11.64	11.47	12
15	16QAM	1	0	11.81	11.59	11.71	
15	16QAM	1	37	11.75	11.64	11.42	
15	16QAM	1	74	11.59	11.59	11.48	12
15	16QAM	36	0	11.56	11.56	11.34	
15	16QAM	36	20	11.63	11.45	11.19	
15	16QAM	36	39	11.68	11.46	11.42	12
15	16QAM	75	0	11.83	11.44	11.39	
15	64QAM	1	0	11.63	11.81	11.37	
15	64QAM	1	37	11.75	11.57	11.55	12
15	64QAM	1	74	11.61	11.51	11.52	
15	64QAM	36	0	11.58	11.47	11.28	
15	64QAM	36	20	11.47	11.38	11.20	12
15	64QAM	36	39	11.69	11.30	11.31	
15	64QAM	75	0	11.70	11.51	11.48	
15	256QAM	1	0	11.83	11.50	11.67	12
15	256QAM	1	37	11.77	11.57	11.50	
15	256QAM	1	74	11.62	11.44	11.38	
15	256QAM	36	0	11.56	11.61	11.46	12
15	256QAM	36	20	11.60	11.52	11.24	



**FCC SAR TEST REPORT**

**Report No. : FA3N0927**

15	256QAM	36	39	11.56	11.27	11.32	
15	256QAM	75	0	11.72	11.59	11.37	
Channel				43640	44090	44540	Tune-up limit(dBm)
Frequency (MHz)				3605	3650	3695	
10	QPSK	1	0	11.93	11.78	11.67	12
10	QPSK	1	25	11.84	11.69	11.60	
10	QPSK	1	49	11.76	11.64	11.46	
10	QPSK	25	0	11.64	11.52	11.55	12
10	QPSK	25	12	11.71	11.51	11.45	
10	QPSK	25	25	11.70	11.52	11.36	
10	QPSK	50	0	11.80	11.74	11.63	
10	16QAM	1	0	11.82	11.67	11.61	12
10	16QAM	1	25	11.81	11.63	11.35	
10	16QAM	1	49	11.67	11.51	11.60	
10	16QAM	25	0	11.50	11.51	11.30	12
10	16QAM	25	12	11.67	11.40	11.37	
10	16QAM	25	25	11.50	11.52	11.35	
10	16QAM	50	0	11.74	11.57	11.32	
10	64QAM	1	0	11.74	11.75	11.35	
10	64QAM	1	25	11.63	11.56	11.47	12
10	64QAM	1	49	11.62	11.49	11.60	
10	64QAM	25	0	11.60	11.54	11.33	
10	64QAM	25	12	11.44	11.52	11.28	12
10	64QAM	25	25	11.60	11.43	11.31	
10	64QAM	50	0	11.71	11.50	11.44	
10	256QAM	1	0	11.67	11.64	11.66	
10	256QAM	1	25	11.91	11.69	11.48	12
10	256QAM	1	49	11.61	11.45	11.41	
10	256QAM	25	0	11.62	11.60	11.38	
10	256QAM	25	12	11.58	11.36	11.16	12
10	256QAM	25	25	11.68	11.41	11.44	
10	256QAM	50	0	11.73	11.57	11.25	
Channel				43615	44090	44565	
Frequency (MHz)				3602.5	3650	3697.5	
5	QPSK	1	0	11.82	11.66	11.59	12
5	QPSK	1	12	11.80	11.71	11.59	
5	QPSK	1	24	11.74	11.74	11.50	
5	QPSK	12	0	11.64	11.62	11.37	12
5	QPSK	12	7	11.80	11.50	11.35	
5	QPSK	12	13	11.71	11.52	11.51	
5	QPSK	25	0	11.81	11.56	11.47	
5	16QAM	1	0	11.75	11.53	11.70	12
5	16QAM	1	12	11.75	11.60	11.47	
5	16QAM	1	24	11.62	11.64	11.45	
5	16QAM	12	0	11.68	11.62	11.29	12
5	16QAM	12	7	11.75	11.40	11.19	
5	16QAM	12	13	11.67	11.40	11.49	
5	16QAM	25	0	11.80	11.58	11.45	
5	64QAM	1	0	11.79	11.76	11.53	12
5	64QAM	1	12	11.65	11.62	11.63	
5	64QAM	1	24	11.70	11.47	11.50	
5	64QAM	12	0	11.64	11.47	11.43	12
5	64QAM	12	7	11.46	11.38	11.29	
5	64QAM	12	13	11.64	11.38	11.15	
5	64QAM	25	0	11.83	11.48	11.39	
5	256QAM	1	0	11.70	11.48	11.70	12
5	256QAM	1	12	11.89	11.67	11.55	
5	256QAM	1	24	11.68	11.53	11.45	
5	256QAM	12	0	11.60	11.41	11.34	12
5	256QAM	12	7	11.78	11.36	11.19	
5	256QAM	12	13	11.50	11.40	11.41	
5	256QAM	25	0	11.78	11.63	11.30	





<LTE Band 48\_Ant 0\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	56150	56640	
Frequency (MHz)				3560	3609	3641	3690	
20	QPSK	1	0	21.64	21.82	21.98	21.69	22
20	QPSK	1	49	21.7	21.7	21.8	21.7	
20	QPSK	1	99	21.6	21.6	21.7	21.5	
20	QPSK	50	0	20.78	20.94	20.88	20.82	21
20	QPSK	50	24	20.84	20.89	20.86	20.70	
20	QPSK	50	50	20.71	20.89	20.71	20.60	
20	QPSK	100	0	20.79	20.84	20.82	20.73	21
20	16QAM	1	0	20.83	20.85	20.92	20.93	
20	16QAM	1	49	20.97	20.49	20.65	20.68	
20	16QAM	1	99	20.53	20.33	20.76	20.39	20
20	16QAM	50	0	19.83	19.93	19.81	19.84	
20	16QAM	50	24	19.79	19.94	19.88	19.82	
20	16QAM	50	50	19.81	19.81	19.72	19.70	20
20	16QAM	100	0	19.78	19.89	19.82	19.77	
20	64QAM	1	0	19.51	19.90	19.35	19.66	
20	64QAM	1	49	19.78	19.57	19.88	19.65	20
20	64QAM	1	99	19.43	19.72	19.21	19.42	
20	64QAM	50	0	18.78	18.91	18.89	18.80	
20	64QAM	50	24	18.81	19.00	18.80	18.74	19
20	64QAM	50	50	18.75	18.79	18.81	18.63	
20	64QAM	100	0	18.77	18.89	18.88	18.73	
20	256QAM	1	0	16.04	16.42	15.86	16.23	17
20	256QAM	1	49	16.32	16.16	16.42	16.18	
20	256QAM	1	99	16.00	16.25	15.73	16.01	
20	256QAM	50	0	15.30	15.49	15.45	15.30	17
20	256QAM	50	24	15.33	15.55	15.35	15.32	
20	256QAM	50	50	15.34	15.32	15.33	15.23	
20	256QAM	100	0	15.35	15.45	15.39	15.30	
Channel				55315	55820	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3642	3692.5	
15	QPSK	1	0	21.64	21.64	21.86	21.49	22
15	QPSK	1	37	21.56	21.64	21.55	21.73	
15	QPSK	1	74	21.45	21.52	21.67	21.51	
15	QPSK	36	0	20.67	20.89	20.88	20.80	21
15	QPSK	36	20	20.66	20.86	20.80	20.65	
15	QPSK	36	39	20.65	20.73	20.59	20.44	
15	QPSK	75	0	20.60	20.67	20.77	20.60	21
15	16QAM	1	0	20.73	20.75	20.74	20.92	
15	16QAM	1	37	20.83	20.45	20.60	20.67	
15	16QAM	1	74	20.50	20.31	20.66	20.27	20
15	16QAM	36	0	19.82	19.92	19.62	19.77	
15	16QAM	36	20	19.64	19.85	19.82	19.62	
15	16QAM	36	39	19.75	19.76	19.57	19.58	20
15	16QAM	75	0	19.76	19.79	19.69	19.64	
15	64QAM	1	0	19.44	19.70	19.25	19.51	
15	64QAM	1	37	19.68	19.47	19.69	19.59	20
15	64QAM	1	74	19.32	19.61	19.11	19.37	
15	64QAM	36	0	18.65	18.89	18.85	18.76	
15	64QAM	36	20	18.71	18.85	18.77	18.66	19
15	64QAM	36	39	18.68	18.74	18.69	18.47	
15	64QAM	75	0	18.70	18.73	18.84	18.66	
15	256QAM	1	0	16.01	16.31	15.75	16.11	17
15	256QAM	1	37	16.27	16.10	16.35	16.13	
15	256QAM	1	74	15.82	16.13	15.57	15.91	
15	256QAM	36	0	15.29	15.43	15.37	15.12	17



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15	256QAM	36	20	15.20	15.53	15.18	15.22	
15	256QAM	36	39	15.20	15.30	15.31	15.18	
15	256QAM	75	0	15.22	15.40	15.29	15.19	
Channel				55290	55815	56165	56690	Tune-up limit(dBm)
Frequency (MHz)				3555	3607.5	3642.5	3695	
10	QPSK	1	0	21.53	21.69	21.50	21.55	22
10	QPSK	1	25	21.53	21.66	21.64	21.55	
10	QPSK	1	49	21.44	21.45	21.60	21.36	
10	QPSK	25	0	20.74	20.93	20.79	20.82	21
10	QPSK	25	12	20.83	20.81	20.77	20.58	
10	QPSK	25	25	20.55	20.80	20.67	20.44	
10	QPSK	50	0	20.78	20.76	20.73	20.64	21
10	16QAM	1	0	20.82	20.74	20.81	20.77	
10	16QAM	1	25	20.79	20.49	20.64	20.48	
10	16QAM	1	49	20.40	20.20	20.58	20.35	20
10	16QAM	25	0	19.66	19.82	19.61	19.71	
10	16QAM	25	12	19.72	19.81	19.75	19.82	
10	16QAM	25	25	19.81	19.78	19.60	19.60	20
10	16QAM	50	0	19.74	19.88	19.73	19.60	
10	64QAM	1	0	19.49	19.74	19.28	19.50	
10	64QAM	1	25	19.67	19.53	19.82	19.61	20
10	64QAM	1	49	19.38	19.68	19.11	19.35	
10	64QAM	25	0	18.65	18.89	18.89	18.65	
10	64QAM	25	12	18.69	19.00	18.69	18.57	19
10	64QAM	25	25	18.57	18.74	18.65	18.45	
10	64QAM	50	0	18.67	18.89	18.69	18.69	
10	256QAM	1	0	15.85	16.37	15.67	16.04	17
10	256QAM	1	25	16.18	15.96	16.30	16.02	
10	256QAM	1	49	16.00	16.11	15.64	15.89	
10	256QAM	25	0	15.17	15.37	15.36	15.11	17
10	256QAM	25	12	15.26	15.36	15.24	15.28	
10	256QAM	25	25	15.20	15.18	15.18	15.19	
10	256QAM	50	0	15.33	15.44	15.29	15.17	
Channel				55265	55810	56170	56715	
Frequency (MHz)				3552.5	3607	3643	3697.5	
5	QPSK	1	0	21.46	21.76	21.90	21.58	22
5	QPSK	1	12	21.54	21.72	21.58	21.56	
5	QPSK	1	24	21.39	21.49	21.61	21.46	
5	QPSK	12	0	20.72	20.84	20.86	20.63	21
5	QPSK	12	7	20.76	20.71	20.85	20.55	
5	QPSK	12	13	20.53	20.83	20.56	20.44	
5	QPSK	25	0	20.77	20.71	20.75	20.56	21
5	16QAM	1	0	20.75	20.77	20.79	20.83	
5	16QAM	1	12	20.82	20.47	20.50	20.49	
5	16QAM	1	24	20.53	20.33	20.75	20.22	20
5	16QAM	12	0	19.83	19.86	19.70	19.74	
5	16QAM	12	7	19.78	19.91	19.77	19.78	
5	16QAM	12	13	19.63	19.75	19.54	19.55	20
5	16QAM	25	0	19.67	19.74	19.68	19.66	
5	64QAM	1	0	19.51	19.79	19.16	19.53	
5	64QAM	1	12	19.60	19.50	19.68	19.46	20
5	64QAM	1	24	19.27	19.58	19.11	19.35	
5	64QAM	12	0	18.75	18.83	18.75	18.70	
5	64QAM	12	7	18.65	18.97	18.63	18.58	19
5	64QAM	12	13	18.68	18.69	18.72	18.51	
5	64QAM	25	0	18.67	18.80	18.70	18.72	
5	256QAM	1	0	15.97	16.28	15.83	16.10	17
5	256QAM	1	12	16.12	16.10	16.28	16.07	
5	256QAM	1	24	15.99	16.07	15.65	15.86	
5	256QAM	12	0	15.18	15.44	15.33	15.11	17
5	256QAM	12	7	15.28	15.39	15.23	15.18	
5	256QAM	12	13	15.18	15.25	15.19	15.23	
5	256QAM	25	0	15.30	15.28	15.26	15.27	



<LTE Band 48\_Ant 2\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	56150	56640	
Frequency (MHz)				3560	3609	3641	3690	
20	QPSK	1	0	21.34	21.28	21.46	21.35	22
20	QPSK	1	49	21.32	21.26	21.44	21.33	
20	QPSK	1	99	21.28	21.22	21.40	21.29	
20	QPSK	50	0	20.20	20.14	20.31	20.21	21
20	QPSK	50	24	20.17	20.11	20.28	20.18	
20	QPSK	50	50	20.10	20.04	20.21	20.11	
20	QPSK	100	0	20.17	20.11	20.28	20.18	21
20	16QAM	1	0	19.77	19.71	19.88	19.78	
20	16QAM	1	49	19.68	19.62	19.79	19.69	
20	16QAM	1	99	19.70	19.64	19.81	19.71	20
20	16QAM	50	0	19.16	19.11	19.27	19.17	
20	16QAM	50	24	19.20	19.15	19.31	19.21	
20	16QAM	50	50	19.23	19.18	19.34	19.24	20
20	16QAM	100	0	19.12	19.07	19.23	19.13	
20	64QAM	1	0	18.84	18.79	18.95	18.85	
20	64QAM	1	49	18.83	18.78	18.94	18.84	20
20	64QAM	1	99	18.86	18.81	18.97	18.87	
20	64QAM	50	0	18.01	17.96	18.11	18.02	
20	64QAM	50	24	18.06	18.01	18.16	18.07	19
20	64QAM	50	50	18.13	18.08	18.23	18.14	
20	64QAM	100	0	18.26	18.21	18.36	18.27	
20	256QAM	1	0	15.79	15.75	15.88	15.80	17
20	256QAM	1	49	15.70	15.66	15.79	15.71	
20	256QAM	1	99	15.68	15.64	15.77	15.69	
20	256QAM	50	0	16.20	16.15	16.29	16.21	17
20	256QAM	50	24	16.12	16.07	16.21	16.13	
20	256QAM	50	50	16.05	16.00	16.14	16.06	
20	256QAM	100	0	16.16	16.11	16.25	16.17	Tune-up limit (dBm)
Channel				55315	55820	56160	56665	
Frequency (MHz)				3557.5	3608	3642	3692.5	
15	QPSK	1	0	21.31	21.25	21.37	21.24	22
15	QPSK	1	37	21.17	21.12	21.41	21.16	
15	QPSK	1	74	21.28	21.21	21.26	21.19	
15	QPSK	36	0	20.13	20.05	20.29	20.05	21
15	QPSK	36	20	20.02	19.90	20.09	20.09	
15	QPSK	36	39	20.06	19.90	20.19	20.08	
15	QPSK	75	0	20.10	20.09	20.17	20.02	21
15	16QAM	1	0	19.62	19.62	19.71	19.58	
15	16QAM	1	37	19.49	19.43	19.64	19.51	
15	16QAM	1	74	19.59	19.46	19.61	19.68	20
15	16QAM	36	0	19.03	18.90	19.27	19.13	
15	16QAM	36	20	19.14	19.03	19.28	19.11	
15	16QAM	36	39	19.08	19.07	19.24	19.15	20
15	16QAM	75	0	19.11	18.96	19.23	19.01	
15	64QAM	1	0	18.78	18.67	18.95	18.67	
15	64QAM	1	37	18.74	18.63	18.80	18.80	20
15	64QAM	1	74	18.70	18.81	18.83	18.81	
15	64QAM	36	0	17.94	17.82	17.97	17.91	
15	64QAM	36	20	18.04	17.92	18.14	18.02	19
15	64QAM	36	39	17.96	17.99	18.17	18.11	
15	64QAM	75	0	18.22	18.04	18.26	18.22	
15	256QAM	1	0	15.69	15.69	15.81	15.60	17
15	256QAM	1	37	15.66	15.63	15.65	15.70	
15	256QAM	1	74	15.57	15.50	15.76	15.59	
15	256QAM	36	0	16.01	16.03	16.25	16.04	17



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**Report No. : FA3N0927**

15	256QAM	36	20	16.03	15.91	16.09	16.01	
15	256QAM	36	39	15.92	15.90	16.12	16.05	
15	256QAM	75	0	16.03	15.94	16.20	16.15	
Channel				55290	55815	56165	56690	Tune-up limit(dBm)
Frequency (MHz)				3555	3607.5	3642.5	3695	
10	QPSK	1	0	21.23	21.09	21.44	21.22	22
10	QPSK	1	25	21.27	21.16	21.32	21.19	
10	QPSK	1	49	21.27	21.18	21.23	21.18	
10	QPSK	25	0	20.11	19.95	20.16	20.04	21
10	QPSK	25	12	20.03	19.95	20.26	20.07	
10	QPSK	25	25	20.01	19.91	20.12	19.92	
10	QPSK	50	0	20.11	20.06	20.09	20.12	
10	16QAM	1	0	19.58	19.58	19.86	19.69	21
10	16QAM	1	25	19.55	19.54	19.70	19.65	
10	16QAM	1	49	19.54	19.52	19.78	19.64	
10	16QAM	25	0	19.03	19.05	19.18	19.00	20
10	16QAM	25	12	19.15	19.10	19.14	19.15	
10	16QAM	25	25	19.21	19.12	19.16	19.18	
10	16QAM	50	0	19.07	19.00	19.14	18.93	
10	64QAM	1	0	18.67	18.68	18.83	18.84	20
10	64QAM	1	25	18.64	18.66	18.89	18.64	
10	64QAM	1	49	18.66	18.78	18.93	18.81	
10	64QAM	25	0	17.87	17.78	18.07	18.00	19
10	64QAM	25	12	18.05	17.90	18.03	18.04	
10	64QAM	25	25	17.99	18.06	18.09	18.13	
10	64QAM	50	0	18.13	18.07	18.21	18.24	
10	256QAM	1	0	15.60	15.57	15.75	15.60	17
10	256QAM	1	25	15.63	15.59	15.71	15.65	
10	256QAM	1	49	15.51	15.52	15.64	15.53	
10	256QAM	25	0	16.09	16.02	16.24	16.11	17
10	256QAM	25	12	15.92	15.98	16.05	16.03	
10	256QAM	25	25	15.98	15.86	16.09	16.02	
10	256QAM	50	0	16.07	16.00	16.24	15.97	
Channel				55265	55810	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3643	3697.5	
5	QPSK	1	0	21.19	21.11	21.31	21.31	22
5	QPSK	1	12	21.16	21.17	21.34	21.31	
5	QPSK	1	24	21.19	21.04	21.34	21.28	
5	QPSK	12	0	20.17	19.99	20.18	20.07	21
5	QPSK	12	7	20.04	20.09	20.08	20.10	
5	QPSK	12	13	20.03	19.86	20.08	20.01	
5	QPSK	25	0	20.00	19.90	20.25	20.10	
5	16QAM	1	0	19.74	19.52	19.69	19.61	21
5	16QAM	1	12	19.50	19.56	19.73	19.54	
5	16QAM	1	24	19.63	19.48	19.74	19.50	
5	16QAM	12	0	19.01	18.97	19.22	19.10	20
5	16QAM	12	7	19.03	19.06	19.14	19.08	
5	16QAM	12	13	19.10	19.15	19.27	19.23	
5	16QAM	25	0	19.01	18.97	19.08	18.94	
5	64QAM	1	0	18.80	18.71	18.90	18.74	20
5	64QAM	1	12	18.67	18.67	18.79	18.67	
5	64QAM	1	24	18.86	18.74	18.88	18.83	
5	64QAM	12	0	17.86	17.93	18.09	17.93	19
5	64QAM	12	7	18.03	17.94	18.01	17.97	
5	64QAM	12	13	18.10	17.93	18.06	18.04	
5	64QAM	25	0	18.18	18.16	18.35	18.26	
5	256QAM	1	0	15.60	15.70	15.69	15.67	17
5	256QAM	1	12	15.56	15.61	15.62	15.66	
5	256QAM	1	24	15.51	15.48	15.76	15.65	
5	256QAM	12	0	16.02	16.00	16.22	16.07	17
5	256QAM	12	7	15.95	15.98	16.04	15.96	
5	256QAM	12	13	15.98	15.84	16.11	15.89	
5	256QAM	25	0	16.15	15.95	16.15	16.03	



**<LTE Band 48\_Ant 0\_Sensor ON\_NB>**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	56150	56640	
Frequency (MHz)				3560	3609	3641	3690	
20	QPSK	1	0	15.87	15.90	15.97	15.83	16
20	QPSK	1	49	15.74	15.77	15.84	15.70	
20	QPSK	1	99	15.63	15.66	15.73	15.59	
20	QPSK	50	0	15.82	15.85	15.91	15.77	16
20	QPSK	50	24	15.73	15.76	15.83	15.69	
20	QPSK	50	50	15.81	15.84	15.84	15.72	
20	QPSK	100	0	15.80	15.83	15.90	15.76	16
20	16QAM	1	0	15.78	15.90	15.91	15.63	
20	16QAM	1	49	15.70	15.64	15.71	15.61	
20	16QAM	1	99	15.58	15.63	15.67	15.52	16
20	16QAM	50	0	15.58	15.67	15.72	15.52	
20	16QAM	50	24	15.60	15.64	15.81	15.49	
20	16QAM	50	50	15.74	15.68	15.79	15.68	16
20	16QAM	100	0	15.61	15.65	15.84	15.74	
20	64QAM	1	0	15.72	15.85	15.97	15.76	
20	64QAM	1	49	15.64	15.63	15.79	15.54	16
20	64QAM	1	99	15.57	15.52	15.67	15.58	
20	64QAM	50	0	15.61	15.62	15.81	15.56	
20	64QAM	50	24	15.57	15.73	15.67	15.50	16
20	64QAM	50	50	15.78	15.66	15.84	15.72	
20	64QAM	100	0	15.68	15.67	15.83	15.67	
20	256QAM	1	0	15.72	15.67	15.89	15.59	16
20	256QAM	1	49	15.59	15.63	15.73	15.53	
20	256QAM	1	99	15.47	15.41	15.66	15.46	
20	256QAM	50	0	15.54	15.54	15.69	15.52	16
20	256QAM	50	24	15.53	15.54	15.61	15.40	
20	256QAM	50	50	15.68	15.56	15.82	15.54	
20	256QAM	100	0	15.53	15.66	15.76	15.59	
Channel				55315	55820	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3642	3692.5	
15	QPSK	1	0	15.76	15.70	15.77	15.80	16
15	QPSK	1	37	15.65	15.62	15.75	15.69	
15	QPSK	1	74	15.56	15.58	15.68	15.57	
15	QPSK	36	0	15.54	15.66	15.73	15.66	16
15	QPSK	36	20	15.54	15.72	15.72	15.66	
15	QPSK	36	39	15.71	15.77	15.77	15.69	
15	QPSK	75	0	15.72	15.74	15.88	15.75	16
15	16QAM	1	0	15.60	15.87	15.89	15.58	
15	16QAM	1	37	15.54	15.59	15.58	15.54	
15	16QAM	1	74	15.53	15.48	15.57	15.35	16
15	16QAM	36	0	15.53	15.54	15.70	15.34	
15	16QAM	36	20	15.52	15.62	15.80	15.46	
15	16QAM	36	39	15.61	15.61	15.60	15.50	16
15	16QAM	75	0	15.48	15.52	15.64	15.57	
15	64QAM	1	0	15.54	15.71	15.82	15.61	
15	64QAM	1	37	15.50	15.62	15.64	15.47	16
15	64QAM	1	74	15.57	15.33	15.49	15.40	
15	64QAM	36	0	15.57	15.47	15.80	15.45	
15	64QAM	36	20	15.43	15.68	15.47	15.32	16
15	64QAM	36	39	15.60	15.55	15.67	15.58	
15	64QAM	75	0	15.67	15.52	15.83	15.67	
15	256QAM	1	0	15.72	15.48	15.70	15.50	16
15	256QAM	1	37	15.46	15.63	15.58	15.45	
15	256QAM	1	74	15.40	15.39	15.55	15.33	
15	256QAM	36	0	15.53	15.38	15.60	15.37	16



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15	256QAM	36	20	15.45	15.45	15.60	15.33	
15	256QAM	36	39	15.50	15.52	15.65	15.41	
15	256QAM	75	0	15.49	15.58	15.64	15.43	
Channel				55290	55815	56165	56690	Tune-up limit(dBm)
Frequency (MHz)				3555	3607.5	3642.5	3695	
10	QPSK	1	0	15.79	15.86	15.85	15.77	16
10	QPSK	1	25	15.70	15.69	15.71	15.66	
10	QPSK	1	49	15.47	15.61	15.55	15.49	
10	QPSK	25	0	15.71	15.73	15.73	15.57	16
10	QPSK	25	12	15.69	15.67	15.69	15.56	
10	QPSK	25	25	15.79	15.71	15.79	15.77	
10	QPSK	50	0	15.70	15.69	15.79	15.75	16
10	16QAM	1	0	15.67	15.77	15.87	15.54	
10	16QAM	1	25	15.60	15.58	15.56	15.46	
10	16QAM	1	49	15.45	15.45	15.65	15.41	16
10	16QAM	25	0	15.52	15.58	15.66	15.49	
10	16QAM	25	12	15.50	15.46	15.79	15.40	
10	16QAM	25	25	15.58	15.68	15.60	15.50	16
10	16QAM	50	0	15.58	15.55	15.77	15.60	
10	64QAM	1	0	15.71	15.75	15.88	15.69	
10	64QAM	1	25	15.51	15.62	15.69	15.43	16
10	64QAM	1	49	15.51	15.36	15.61	15.47	
10	64QAM	25	0	15.57	15.57	15.68	15.41	
10	64QAM	25	12	15.55	15.65	15.60	15.32	16
10	64QAM	25	25	15.62	15.54	15.83	15.68	
10	64QAM	50	0	15.59	15.51	15.75	15.48	
10	256QAM	1	0	15.52	15.53	15.70	15.46	16
10	256QAM	1	25	15.49	15.53	15.61	15.43	
10	256QAM	1	49	15.41	15.40	15.62	15.28	
10	256QAM	25	0	15.44	15.36	15.49	15.42	16
10	256QAM	25	12	15.39	15.45	15.48	15.27	
10	256QAM	25	25	15.48	15.39	15.68	15.53	
10	256QAM	50	0	15.49	15.56	15.61	15.51	
Channel				55265	55810	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3643	3697.5	
5	QPSK	1	0	15.82	15.90	15.87	15.72	16
5	QPSK	1	12	15.64	15.74	15.83	15.61	
5	QPSK	1	24	15.50	15.51	15.64	15.40	
5	QPSK	12	0	15.56	15.59	15.64	15.64	16
5	QPSK	12	7	15.57	15.65	15.71	15.66	
5	QPSK	12	13	15.76	15.73	15.75	15.57	
5	QPSK	25	0	15.74	15.78	15.88	15.56	16
5	16QAM	1	0	15.72	15.84	15.86	15.60	
5	16QAM	1	12	15.52	15.49	15.69	15.59	
5	16QAM	1	24	15.49	15.45	15.64	15.50	16
5	16QAM	12	0	15.54	15.51	15.66	15.46	
5	16QAM	12	7	15.50	15.62	15.77	15.48	
5	16QAM	12	13	15.66	15.55	15.69	15.50	16
5	16QAM	25	0	15.51	15.57	15.72	15.74	
5	64QAM	1	0	15.57	15.85	15.91	15.63	
5	64QAM	1	12	15.56	15.62	15.74	15.43	16
5	64QAM	1	24	15.55	15.40	15.56	15.40	
5	64QAM	12	0	15.51	15.48	15.69	15.41	
5	64QAM	12	7	15.53	15.69	15.60	15.45	16
5	64QAM	12	13	15.71	15.53	15.72	15.71	
5	64QAM	25	0	15.63	15.50	15.73	15.62	
5	256QAM	1	0	15.64	15.59	15.71	15.43	16
5	256QAM	1	12	15.59	15.43	15.64	15.47	
5	256QAM	1	24	15.33	15.21	15.63	15.32	
5	256QAM	12	0	15.41	15.50	15.55	15.42	16
5	256QAM	12	7	15.42	15.47	15.48	15.23	
5	256QAM	12	13	15.58	15.50	15.74	15.34	
5	256QAM	25	0	15.49	15.47	15.66	15.59	



<LTE Band 48\_Ant 0\_Sensor ON\_NB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	56150	56640	
Frequency (MHz)				3560	3609	3641	3690	
20	QPSK	1	0	17.82	17.92	17.94	17.98	18
20	QPSK	1	49	17.76	17.86	17.88	17.92	
20	QPSK	1	99	17.74	17.84	17.86	17.90	
20	QPSK	50	0	17.52	17.62	17.64	17.68	18
20	QPSK	50	24	17.48	17.58	17.60	17.64	
20	QPSK	50	50	17.46	17.56	17.58	17.62	
20	QPSK	100	0	17.59	17.69	17.71	17.75	18
20	16QAM	1	0	17.61	17.71	17.73	17.77	
20	16QAM	1	49	17.57	17.67	17.69	17.73	
20	16QAM	1	99	17.54	17.64	17.66	17.70	18
20	16QAM	50	0	17.51	17.61	17.63	17.67	
20	16QAM	50	24	17.52	17.62	17.64	17.68	
20	16QAM	50	50	17.55	17.65	17.67	17.71	18
20	16QAM	100	0	17.48	17.58	17.60	17.64	
20	64QAM	1	0	17.63	17.73	17.75	17.79	
20	64QAM	1	49	17.60	17.70	17.72	17.76	18
20	64QAM	1	99	17.58	17.68	17.70	17.74	
20	64QAM	50	0	17.56	17.66	17.68	17.72	
20	64QAM	50	24	17.55	17.65	17.67	17.71	18
20	64QAM	50	50	17.61	17.71	17.73	17.77	
20	64QAM	100	0	17.60	17.70	17.72	17.76	
20	256QAM	1	0	15.74	15.83	15.85	15.89	16.5
20	256QAM	1	49	15.86	15.95	15.97	16.01	
20	256QAM	1	99	15.89	15.98	16.00	16.04	
20	256QAM	50	0	16.04	16.13	16.15	16.19	16.5
20	256QAM	50	24	15.96	16.05	16.07	16.11	
20	256QAM	50	50	15.93	16.02	16.04	16.08	
20	256QAM	100	0	16.01	16.10	16.12	16.16	
Channel				55315	55820	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3642	3692.5	
15	QPSK	1	0	17.64	17.88	17.75	17.90	18
15	QPSK	1	37	17.69	17.73	17.76	17.76	
15	QPSK	1	74	17.56	17.67	17.68	17.75	
15	QPSK	36	0	17.36	17.43	17.62	17.65	18
15	QPSK	36	20	17.44	17.49	17.55	17.44	
15	QPSK	36	39	17.43	17.41	17.55	17.62	
15	QPSK	75	0	17.39	17.65	17.68	17.58	18
15	16QAM	1	0	17.57	17.69	17.72	17.63	
15	16QAM	1	37	17.56	17.56	17.53	17.55	
15	16QAM	1	74	17.42	17.47	17.50	17.63	18
15	16QAM	36	0	17.51	17.45	17.61	17.52	
15	16QAM	36	20	17.39	17.47	17.52	17.55	
15	16QAM	36	39	17.45	17.65	17.47	17.51	18
15	16QAM	75	0	17.48	17.49	17.59	17.63	
15	64QAM	1	0	17.51	17.65	17.74	17.74	
15	64QAM	1	37	17.45	17.67	17.60	17.72	18
15	64QAM	1	74	17.52	17.57	17.54	17.72	
15	64QAM	36	0	17.53	17.63	17.61	17.69	
15	64QAM	36	20	17.42	17.52	17.53	17.66	18
15	64QAM	36	39	17.49	17.67	17.54	17.65	
15	64QAM	75	0	17.40	17.70	17.69	17.70	
15	256QAM	1	0	15.57	15.65	15.65	15.83	16.5
15	256QAM	1	37	15.76	15.93	15.95	15.85	
15	256QAM	1	74	15.69	15.87	15.85	15.91	
15	256QAM	36	0	15.86	15.95	15.96	16.16	16.5



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15	256QAM	36	20	15.83	15.95	15.91	16.09	Tune-up limit(dBm)
15	256QAM	36	39	15.89	16.00	16.04	15.93	
15	256QAM	75	0	15.82	15.94	16.05	15.96	
Channel				55290	55815	56165	56690	Tune-up limit(dBm)
Frequency (MHz)				3555	3607.5	3642.5	3695	
10	QPSK	1	0	17.67	17.73	17.83	17.82	18
10	QPSK	1	25	17.61	17.79	17.80	17.84	
10	QPSK	1	49	17.73	17.84	17.76	17.76	
10	QPSK	25	0	17.48	17.60	17.63	17.67	18
10	QPSK	25	12	17.40	17.54	17.40	17.60	
10	QPSK	25	25	17.46	17.43	17.44	17.47	
10	QPSK	50	0	17.50	17.56	17.58	17.71	18
10	16QAM	1	0	17.61	17.55	17.54	17.71	
10	16QAM	1	25	17.38	17.53	17.57	17.70	
10	16QAM	1	49	17.52	17.45	17.53	17.54	18
10	16QAM	25	0	17.45	17.48	17.49	17.56	
10	16QAM	25	12	17.47	17.46	17.59	17.56	
10	16QAM	25	25	17.48	17.58	17.57	17.55	18
10	16QAM	50	0	17.39	17.43	17.52	17.45	
10	64QAM	1	0	17.58	17.57	17.75	17.64	
10	64QAM	1	25	17.59	17.50	17.65	17.70	18
10	64QAM	1	49	17.41	17.53	17.69	17.63	
10	64QAM	25	0	17.49	17.65	17.49	17.62	
10	64QAM	25	12	17.39	17.57	17.62	17.62	18
10	64QAM	25	25	17.47	17.67	17.55	17.75	
10	64QAM	50	0	17.51	17.68	17.62	17.63	
10	256QAM	1	0	15.63	15.74	15.81	15.89	16.5
10	256QAM	1	25	15.70	15.76	15.84	15.85	
10	256QAM	1	49	15.74	15.92	15.99	15.91	
10	256QAM	25	0	15.88	15.93	16.11	16.12	16.5
10	256QAM	25	12	15.81	16.04	15.87	16.11	
10	256QAM	25	25	15.91	15.90	16.00	15.95	
10	256QAM	50	0	15.90	16.04	15.93	15.97	
Channel				55265	55810	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3643	3697.5	
5	QPSK	1	0	17.80	17.73	17.93	17.88	18
5	QPSK	1	12	17.73	17.86	17.73	17.72	
5	QPSK	1	24	17.58	17.67	17.74	17.71	
5	QPSK	12	0	17.35	17.54	17.63	17.64	18
5	QPSK	12	7	17.43	17.51	17.52	17.48	
5	QPSK	12	13	17.42	17.50	17.53	17.47	
5	QPSK	25	0	17.39	17.52	17.55	17.59	18
5	16QAM	1	0	17.45	17.67	17.72	17.72	
5	16QAM	1	12	17.39	17.66	17.53	17.57	
5	16QAM	1	24	17.49	17.53	17.62	17.53	18
5	16QAM	12	0	17.47	17.41	17.54	17.47	
5	16QAM	12	7	17.45	17.58	17.60	17.54	
5	16QAM	12	13	17.44	17.58	17.53	17.68	18
5	16QAM	25	0	17.47	17.48	17.59	17.52	
5	64QAM	1	0	17.59	17.64	17.69	17.78	
5	64QAM	1	12	17.60	17.62	17.65	17.72	18
5	64QAM	1	24	17.53	17.52	17.54	17.64	
5	64QAM	12	0	17.43	17.58	17.61	17.72	
5	64QAM	12	7	17.40	17.54	17.55	17.68	18
5	64QAM	12	13	17.54	17.56	17.65	17.70	
5	64QAM	25	0	17.44	17.58	17.66	17.61	
5	256QAM	1	0	15.56	15.74	15.78	15.80	16.5
5	256QAM	1	12	15.82	15.92	15.88	15.85	
5	256QAM	1	24	15.82	15.93	15.95	15.88	
5	256QAM	12	0	15.98	16.04	16.00	16.16	16.5
5	256QAM	12	7	15.77	15.95	15.89	15.94	
5	256QAM	12	13	15.78	15.88	16.03	15.94	
5	256QAM	25	0	15.98	16.03	15.95	16.02	





<LTE Band 48\_Ant 0\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	56150	56640	
Frequency (MHz)				3560	3609	3641	3690	
20	QPSK	1	0	12.74	12.82	12.98	12.79	13
20	QPSK	1	49	12.71	12.74	12.75	12.74	
20	QPSK	1	99	12.57	12.62	12.70	12.51	
20	QPSK	50	0	11.88	11.94	11.96	11.82	12
20	QPSK	50	24	11.84	11.89	11.86	11.70	
20	QPSK	50	50	11.71	11.89	11.71	11.60	
20	QPSK	100	0	11.79	11.84	11.88	11.73	12
20	16QAM	1	0	11.83	11.85	11.92	11.93	
20	16QAM	1	49	11.97	11.49	11.65	11.68	
20	16QAM	1	99	11.53	11.33	11.76	11.39	11
20	16QAM	50	0	10.83	10.93	10.81	10.84	
20	16QAM	50	24	10.79	10.94	10.88	10.82	
20	16QAM	50	50	10.81	10.81	10.72	10.70	11
20	16QAM	100	0	10.78	10.89	10.82	10.77	
20	64QAM	1	0	10.51	10.90	10.35	10.66	
20	64QAM	1	49	10.78	10.57	10.88	10.65	11
20	64QAM	1	99	10.43	10.72	10.21	10.42	
20	64QAM	50	0	9.78	9.91	9.89	9.80	
20	64QAM	50	24	9.81	10.00	9.80	9.74	10
20	64QAM	50	50	9.75	9.79	9.81	9.63	
20	64QAM	100	0	9.77	9.89	9.88	9.73	
20	256QAM	1	0	7.04	7.42	7.46	7.23	8
20	256QAM	1	49	7.32	7.16	7.42	7.18	
20	256QAM	1	99	7.00	7.25	6.73	7.01	
20	256QAM	50	0	7.30	7.49	7.45	7.30	8
20	256QAM	50	24	7.33	7.55	7.35	7.32	
20	256QAM	50	50	7.34	7.32	7.33	7.23	
20	256QAM	100	0	7.35	7.45	7.39	7.30	
Channel				55315	55820	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3642	3692.5	
15	QPSK	1	0	12.64	12.71	12.91	12.60	13
15	QPSK	1	37	12.52	12.68	12.69	12.64	
15	QPSK	1	74	12.40	12.52	12.50	12.48	
15	QPSK	36	0	11.73	11.84	11.77	11.68	12
15	QPSK	36	20	11.82	11.80	11.78	11.57	
15	QPSK	36	39	11.65	11.75	11.65	11.57	
15	QPSK	75	0	11.75	11.77	11.77	11.68	12
15	16QAM	1	0	11.83	11.83	11.90	11.76	
15	16QAM	1	37	11.84	11.32	11.59	11.62	
15	16QAM	1	74	11.37	11.20	11.63	11.34	11
15	16QAM	36	0	10.69	10.86	10.69	10.65	
15	16QAM	36	20	10.73	10.92	10.85	10.69	
15	16QAM	36	39	10.81	10.72	10.66	10.69	11
15	16QAM	75	0	10.76	10.72	10.78	10.69	
15	64QAM	1	0	10.35	10.70	10.20	10.56	
15	64QAM	1	37	10.68	10.47	10.71	10.58	11
15	64QAM	1	74	10.35	10.56	10.05	10.34	
15	64QAM	36	0	9.67	9.73	9.83	9.76	
15	64QAM	36	20	9.69	9.94	9.80	9.59	10
15	64QAM	36	39	9.61	9.67	9.62	9.43	
15	64QAM	75	0	9.62	9.85	9.82	9.58	
15	256QAM	1	0	6.90	7.36	7.43	7.19	8
15	256QAM	1	37	7.30	7.01	7.33	7.06	
15	256QAM	1	74	6.87	7.05	6.59	6.91	
15	256QAM	36	0	7.28	7.41	7.44	7.26	8



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15	256QAM	36	20	7.24	7.37	7.29	7.31	
15	256QAM	36	39	7.29	7.18	7.25	7.03	
15	256QAM	75	0	7.19	7.33	7.32	7.27	
Channel				55290	55815	56165	56690	Tune-up limit(dBm)
Frequency (MHz)				3555	3607.5	3642.5	3695	
10	QPSK	1	0	12.58	12.72	12.88	12.69	13
10	QPSK	1	25	12.62	12.56	12.67	12.67	
10	QPSK	1	49	12.52	12.56	12.55	12.38	
10	QPSK	25	0	11.81	11.90	11.76	11.62	12
10	QPSK	25	12	11.83	11.85	11.69	11.64	
10	QPSK	25	25	11.64	11.73	11.66	11.44	
10	QPSK	50	0	11.60	11.66	11.81	11.61	12
10	16QAM	1	0	11.81	11.83	11.73	11.87	
10	16QAM	1	25	11.97	11.40	11.46	11.52	
10	16QAM	1	49	11.53	11.27	11.56	11.19	11
10	16QAM	25	0	10.74	10.75	10.77	10.79	
10	16QAM	25	12	10.59	10.85	10.74	10.68	
10	16QAM	25	25	10.68	10.69	10.63	10.61	11
10	16QAM	50	0	10.70	10.79	10.78	10.65	
10	64QAM	1	0	10.49	10.70	10.32	10.54	
10	64QAM	1	25	10.72	10.54	10.75	10.59	11
10	64QAM	1	49	10.35	10.71	10.16	10.32	
10	64QAM	25	0	9.68	9.90	9.72	9.79	
10	64QAM	25	12	9.74	9.85	9.75	9.68	10
10	64QAM	25	25	9.61	9.61	9.61	9.55	
10	64QAM	50	0	9.67	9.69	9.70	9.57	
10	256QAM	1	0	6.89	7.24	7.30	7.12	8
10	256QAM	1	25	7.18	7.13	7.32	7.05	
10	256QAM	1	49	6.91	7.18	6.66	6.90	
10	256QAM	25	0	7.26	7.42	7.36	7.20	8
10	256QAM	25	12	7.19	7.43	7.29	7.16	
10	256QAM	25	25	7.22	7.22	7.32	7.11	
10	256QAM	50	0	7.31	7.34	7.39	7.17	
Channel				55265	55810	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3643	3697.5	
5	QPSK	1	0	12.63	12.66	12.94	12.61	13
5	QPSK	1	12	12.67	12.66	12.72	12.56	
5	QPSK	1	24	12.54	12.43	12.51	12.45	
5	QPSK	12	0	11.70	11.83	11.88	11.75	12
5	QPSK	12	7	11.70	11.84	11.82	11.61	
5	QPSK	12	13	11.60	11.69	11.67	11.43	
5	QPSK	25	0	11.78	11.81	11.81	11.62	12
5	16QAM	1	0	11.82	11.68	11.88	11.81	
5	16QAM	1	12	11.91	11.42	11.63	11.48	
5	16QAM	1	24	11.51	11.28	11.64	11.23	11
5	16QAM	12	0	10.73	10.78	10.79	10.68	
5	16QAM	12	7	10.65	10.83	10.75	10.70	
5	16QAM	12	13	10.74	10.65	10.52	10.54	11
5	16QAM	25	0	10.77	10.72	10.82	10.72	
5	64QAM	1	0	10.38	10.88	10.32	10.51	
5	64QAM	1	12	10.76	10.41	10.83	10.52	11
5	64QAM	1	24	10.31	10.61	10.14	10.24	
5	64QAM	12	0	9.63	9.78	9.79	9.75	
5	64QAM	12	7	9.80	9.82	9.80	9.68	10
5	64QAM	12	13	9.73	9.78	9.79	9.54	
5	64QAM	25	0	9.73	9.77	9.85	9.62	
5	256QAM	1	0	7.01	7.37	7.44	7.08	8
5	256QAM	1	12	7.16	6.98	7.30	7.13	
5	256QAM	1	24	6.80	7.09	6.65	6.83	
5	256QAM	12	0	7.22	7.37	7.43	7.29	8
5	256QAM	12	7	7.13	7.39	7.29	7.19	
5	256QAM	12	13	7.18	7.20	7.31	7.10	
5	256QAM	25	0	7.28	7.30	7.23	7.26	



<LTE Band 48\_Ant 2\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	56150	56640	
Frequency (MHz)				3560	3609	3641	3690	
20	QPSK	1	0	11.12	11.28	11.30	11.31	11.5
20	QPSK	1	49	11.02	11.18	11.20	11.21	
20	QPSK	1	99	10.88	11.04	11.06	11.07	
20	QPSK	50	0	11.01	11.17	11.19	11.20	11.5
20	QPSK	50	24	10.84	11.00	11.02	11.03	
20	QPSK	50	50	10.94	11.10	11.12	11.13	
20	QPSK	100	0	11.05	11.21	11.23	11.24	11.5
20	16QAM	1	0	10.90	11.06	11.08	11.09	
20	16QAM	1	49	10.93	11.09	11.11	11.12	
20	16QAM	1	99	10.78	10.94	10.96	10.97	11.5
20	16QAM	50	0	10.81	10.97	10.99	11.00	
20	16QAM	50	24	10.77	10.93	10.95	10.96	
20	16QAM	50	50	10.81	10.97	10.99	11.00	11.5
20	16QAM	100	0	10.92	11.08	11.10	11.11	
20	64QAM	1	0	11.07	11.23	11.25	11.26	
20	64QAM	1	49	10.86	11.02	11.04	11.05	11.5
20	64QAM	1	99	10.86	11.02	11.04	11.05	
20	64QAM	50	0	10.88	11.04	11.06	11.07	
20	64QAM	50	24	10.73	10.89	10.91	10.92	11.5
20	64QAM	50	50	10.79	10.95	10.97	10.98	
20	64QAM	100	0	10.89	11.05	11.07	11.08	
20	256QAM	1	0	10.96	11.12	11.14	11.15	11.5
20	256QAM	1	49	10.86	11.02	11.04	11.05	
20	256QAM	1	99	10.81	10.97	10.99	11.00	
20	256QAM	50	0	10.95	11.11	11.13	11.14	11.5
20	256QAM	50	24	10.76	10.92	10.94	10.95	
20	256QAM	50	50	10.73	10.89	10.91	10.92	
20	256QAM	100	0	10.83	10.99	11.01	11.02	
Channel				55315	55820	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3642	3692.5	
15	QPSK	1	0	11.05	11.08	11.23	11.21	11.5
15	QPSK	1	37	10.92	11.15	11.02	11.15	
15	QPSK	1	74	10.73	10.96	10.95	11.03	
15	QPSK	36	0	10.98	11.00	11.09	11.04	11.5
15	QPSK	36	20	10.67	10.81	11.00	10.91	
15	QPSK	36	39	10.86	10.90	11.05	11.03	
15	QPSK	75	0	10.92	11.02	11.21	11.18	11.5
15	16QAM	1	0	10.84	10.94	11.05	10.96	
15	16QAM	1	37	10.92	10.97	11.04	10.93	
15	16QAM	1	74	10.77	10.86	10.89	10.78	11.5
15	16QAM	36	0	10.79	10.77	10.84	10.88	
15	16QAM	36	20	10.64	10.82	10.95	10.80	
15	16QAM	36	39	10.69	10.88	10.97	10.97	11.5
15	16QAM	75	0	10.77	11.02	10.96	10.98	
15	64QAM	1	0	10.90	11.14	11.21	11.24	
15	64QAM	1	37	10.70	11.01	10.87	10.97	11.5
15	64QAM	1	74	10.81	10.97	11.01	10.96	
15	64QAM	36	0	10.74	11.04	10.91	10.88	
15	64QAM	36	20	10.61	10.89	10.78	10.87	11.5
15	64QAM	36	39	10.75	10.90	10.77	10.85	
15	64QAM	75	0	10.86	10.88	10.89	11.04	
15	256QAM	1	0	10.90	11.01	10.94	11.15	11.5
15	256QAM	1	37	10.74	11.01	10.96	10.89	
15	256QAM	1	74	10.66	10.81	10.91	10.89	
15	256QAM	36	0	10.80	10.97	11.09	10.94	11.5



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15	256QAM	36	20	10.56	10.75	10.92	10.81	
15	256QAM	36	39	10.61	10.78	10.78	10.78	
15	256QAM	75	0	10.76	10.87	10.98	10.85	
Channel				55290	55815	56165	56690	Tune-up limit(dBm)
Frequency (MHz)				3555	3607.5	3642.5	3695	
10	QPSK	1	0	11.09	11.21	11.16	11.28	11.5
10	QPSK	1	25	10.94	11.11	11.17	11.06	
10	QPSK	1	49	10.77	10.93	11.01	10.96	
10	QPSK	25	0	10.83	11.14	11.05	11.03	11.5
10	QPSK	25	12	10.84	10.96	10.83	10.94	
10	QPSK	25	25	10.79	11.05	11.06	11.11	
10	QPSK	50	0	10.89	11.13	11.20	11.17	11.5
10	16QAM	1	0	10.88	10.95	11.03	10.92	
10	16QAM	1	25	10.75	10.96	10.95	10.95	
10	16QAM	1	49	10.63	10.93	10.90	10.77	11.5
10	16QAM	25	0	10.76	10.89	10.94	10.85	
10	16QAM	25	12	10.63	10.76	10.80	10.94	
10	16QAM	25	25	10.62	10.82	10.85	10.98	11.5
10	16QAM	50	0	10.81	11.05	11.03	10.99	
10	64QAM	1	0	10.97	11.03	11.11	11.20	
10	64QAM	1	25	10.67	10.91	10.90	10.92	11.5
10	64QAM	1	49	10.68	10.97	11.00	10.90	
10	64QAM	25	0	10.82	10.91	10.88	10.92	
10	64QAM	25	12	10.56	10.76	10.80	10.79	11.5
10	64QAM	25	25	10.75	10.78	10.86	10.83	
10	64QAM	50	0	10.80	10.90	10.98	10.98	
10	256QAM	1	0	10.83	11.04	11.12	11.08	11.5
10	256QAM	1	25	10.84	10.87	10.86	10.89	
10	256QAM	1	49	10.74	10.85	10.86	10.93	
10	256QAM	25	0	10.92	11.01	11.01	10.98	11.5
10	256QAM	25	12	10.61	10.89	10.94	10.85	
10	256QAM	25	25	10.58	10.86	10.90	10.76	
10	256QAM	50	0	10.81	10.98	10.90	10.97	
Channel				55265	55810	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3643	3697.5	
5	QPSK	1	0	11.07	11.28	11.21	11.16	11.5
5	QPSK	1	12	10.84	11.10	11.17	11.11	
5	QPSK	1	24	10.84	10.85	10.89	11.05	
5	QPSK	12	0	10.89	11.16	11.01	11.18	11.5
5	QPSK	12	7	10.66	10.82	10.95	10.86	
5	QPSK	12	13	10.87	10.97	10.98	10.99	
5	QPSK	25	0	10.97	11.13	11.12	11.23	11.5
5	16QAM	1	0	10.88	11.02	11.07	11.06	
5	16QAM	1	12	10.79	10.90	10.95	10.99	
5	16QAM	1	24	10.61	10.82	10.95	10.91	11.5
5	16QAM	12	0	10.64	10.87	10.84	10.93	
5	16QAM	12	7	10.64	10.75	10.88	10.88	
5	16QAM	12	13	10.80	10.78	10.94	10.94	11.5
5	16QAM	25	0	10.80	11.01	10.92	11.03	
5	64QAM	1	0	11.05	11.11	11.07	11.18	
5	64QAM	1	12	10.74	10.99	11.04	10.87	11.5
5	64QAM	1	24	10.66	10.93	10.95	10.90	
5	64QAM	12	0	10.69	11.00	10.88	10.96	
5	64QAM	12	7	10.64	10.82	10.84	10.89	11.5
5	64QAM	12	13	10.62	10.88	10.83	10.83	
5	64QAM	25	0	10.84	10.99	10.89	10.95	
5	256QAM	1	0	10.78	11.00	11.12	10.98	11.5
5	256QAM	1	12	10.83	10.93	11.04	10.91	
5	256QAM	1	24	10.71	10.91	10.80	10.91	
5	256QAM	12	0	10.85	11.11	11.10	11.11	11.5
5	256QAM	12	7	10.73	10.90	10.75	10.83	
5	256QAM	12	13	10.55	10.71	10.90	10.78	
5	256QAM	25	0	10.65	10.92	10.82	10.82	



<FR1 n2\_Ant 0\_Sensor OFF\_NB/TB>

Channel	BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					372000	376000	380000	24.0
Frequency (MHz)					1860	1880	1900	
20	20	PI/2 BPSK	1	1	23.65	23.42	23.20	24.0
20	20	PI/2 BPSK	1	53	23.54	23.31	23.09	
20	20	PI/2 BPSK	1	104	23.50	23.27	23.05	
20	20	PI/2 BPSK	50	0	23.10	22.88	22.66	23.5
20	20	PI/2 BPSK	50	28	23.59	23.36	23.14	24.0
20	20	PI/2 BPSK	50	56	23.07	22.85	22.63	23.5
20	20	PI/2 BPSK	100	0	23.07	22.85	22.63	
20	20	QPSK	1	1	23.54	23.31	23.09	24.0
20	20	QPSK	1	53	23.56	23.33	23.11	
20	20	QPSK	1	104	23.48	23.25	23.03	
20	20	QPSK	50	0	22.59	22.37	22.16	23.0
20	20	QPSK	50	28	23.58	23.35	23.13	24.0
20	20	QPSK	50	56	22.56	22.34	22.13	23.0
20	20	QPSK	100	0	22.59	22.37	22.16	
20	20	16QAM	1	1	22.84	22.62	22.41	23.0
20	20	64QAM	1	1	20.84	20.64	20.44	21.5
20	20	256QAM	1	1	18.94	18.76	18.58	19.5
Channel					371500	376000	380500	24.0
Frequency (MHz)					1857.5	1880	1902.5	
15	15	PI/2 BPSK	1	1	23.53	23.22	23.02	24.0
Channel					371000	376000	381000	24.0
Frequency (MHz)					1855	1880	1905	
10	10	PI/2 BPSK	1	1	23.45	23.34	23.06	24.0
Channel					370500	376000	381500	24.0
Frequency (MHz)					1852.5	1880	1907.5	
5	5	PI/2 BPSK	1	1	23.59	23.36	23.15	24.0



<FR1 n2\_Ant 2\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	24.0
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	23.24	23.34	23.53	
20	PI/2 BPSK	1	53	22.58	22.68	22.86	23.5
20	PI/2 BPSK	1	104	22.42	22.52	22.70	
20	PI/2 BPSK	50	0	22.36	22.46	22.64	24.0
20	PI/2 BPSK	50	28	22.69	22.78	22.97	
20	PI/2 BPSK	50	56	22.04	22.13	22.31	23.5
20	PI/2 BPSK	100	0	22.15	22.25	22.43	
20	QPSK	1	1	22.82	22.91	23.10	24.0
20	QPSK	1	53	22.63	22.73	22.91	
20	QPSK	1	104	22.47	22.57	22.75	
20	QPSK	50	0	21.78	21.87	22.05	23.0
20	QPSK	50	28	22.67	22.76	22.95	
20	QPSK	50	56	21.58	21.67	21.85	23.0
20	QPSK	100	0	21.69	21.78	21.96	
20	16QAM	1	1	21.52	21.61	21.79	23.0
20	64QAM	1	1	20.41	20.49	20.66	
20	256QAM	1	1	18.41	18.49	18.64	19.5
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	23.23	23.21	23.38	24.0
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	23.09	23.14	23.50	24.0
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	23.04	23.28	23.50	24.0



<FR1 n2\_Ant 0\_Sensor ON\_NB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	19.93	19.82	19.59	20.0
20	PI/2 BPSK	1	53	19.90	19.79	19.56	
20	PI/2 BPSK	1	104	19.81	19.70	19.47	
20	PI/2 BPSK	50	0	19.88	19.77	19.54	20.0
20	PI/2 BPSK	50	28	19.86	19.75	19.52	20.0
20	PI/2 BPSK	50	56	19.83	19.72	19.49	20.0
20	PI/2 BPSK	100	0	19.84	19.73	19.50	
20	QPSK	1	1	19.86	19.75	19.52	20.0
20	QPSK	1	53	19.91	19.80	19.57	
20	QPSK	1	104	19.80	19.69	19.46	
20	QPSK	50	0	19.91	19.80	19.57	20.0
20	QPSK	50	28	19.88	19.77	19.54	20.0
20	QPSK	50	56	19.84	19.73	19.50	20.0
20	QPSK	100	0	19.85	19.74	19.51	
20	16QAM	1	1	19.55	19.44	19.22	20.0
20	64QAM	1	1	19.90	19.79	19.56	20.0
20	256QAM	1	1	18.91	18.81	18.59	20.0
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	19.90	19.74	19.53	20.0
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	19.74	19.62	19.48	20.0
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	19.83	19.80	19.54	20.0



<FR1 n2\_Ant 0\_Sensor ON\_NB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	17.5
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	17.31	17.35	17.42	
20	PI/2 BPSK	1	53	17.01	17.05	17.12	17.5
20	PI/2 BPSK	1	104	16.87	16.91	16.98	
20	PI/2 BPSK	50	0	17.12	17.16	17.23	17.5
20	PI/2 BPSK	50	28	17.02	17.06	17.13	17.5
20	PI/2 BPSK	50	56	16.98	17.02	17.09	17.5
20	PI/2 BPSK	100	0	16.99	17.03	17.10	
20	QPSK	1	1	17.18	17.22	17.29	17.5
20	QPSK	1	53	17.04	17.08	17.15	
20	QPSK	1	104	16.89	16.93	17.00	
20	QPSK	50	0	17.10	17.14	17.21	17.5
20	QPSK	50	28	17.04	17.08	17.15	17.5
20	QPSK	50	56	16.98	17.02	17.09	17.5
20	QPSK	100	0	17.01	17.05	17.12	
20	16QAM	1	1	16.90	16.94	17.01	17.5
20	64QAM	1	1	17.23	17.27	17.34	17.5
20	256QAM	1	1	17.28	17.32	17.39	17.5
Channel				371500	376000	380500	17.5
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	17.31	17.27	17.23	17.5
Channel				371000	376000	381000	17.5
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	17.11	17.18	17.25	17.5
Channel				370500	376000	381500	17.5
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	17.18	17.15	17.40	17.5





<FR1 n2\_Ant 0\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	15.86	15.77	15.60	16.0
20	PI/2 BPSK	1	53	15.81	15.72	15.55	
20	PI/2 BPSK	1	104	15.74	15.65	15.48	
20	PI/2 BPSK	50	0	15.79	15.70	15.53	16.0
20	PI/2 BPSK	50	28	15.77	15.68	15.51	16.0
20	PI/2 BPSK	50	56	15.74	15.65	15.48	16.0
20	PI/2 BPSK	100	0	15.77	15.68	15.51	
20	QPSK	1	1	15.84	15.75	15.58	16.0
20	QPSK	1	53	15.80	15.71	15.54	
20	QPSK	1	104	15.73	15.64	15.47	
20	QPSK	50	0	15.80	15.71	15.54	16.0
20	QPSK	50	28	15.79	15.70	15.53	16.0
20	QPSK	50	56	15.77	15.68	15.51	16.0
20	QPSK	100	0	15.79	15.70	15.53	
20	16QAM	1	1	15.52	15.43	15.27	16.0
20	64QAM	1	1	15.83	15.74	15.57	16.0
20	256QAM	1	1	15.73	15.64	15.47	16.0
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	15.77	15.69	15.48	16.0
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	15.83	15.63	15.52	16.0
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	15.72	15.68	15.41	16.0



<FR1 n2\_Ant 2\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				372000	376000	380000	16.0
Frequency (MHz)				1860	1880	1900	
20	PI/2 BPSK	1	1	15.77	15.59	15.98	
20	PI/2 BPSK	1	53	15.39	15.22	15.60	16.0
20	PI/2 BPSK	1	104	15.26	15.08	15.46	
20	PI/2 BPSK	50	0	15.47	15.30	15.68	16.0
20	PI/2 BPSK	50	28	15.33	15.15	15.53	16.0
20	PI/2 BPSK	50	56	15.34	15.16	15.54	16.0
20	PI/2 BPSK	100	0	15.43	15.26	15.64	
20	QPSK	1	1	15.59	15.41	15.80	16.0
20	QPSK	1	53	15.40	15.23	15.61	
20	QPSK	1	104	15.27	15.09	15.47	
20	QPSK	50	0	15.51	15.34	15.72	16.0
20	QPSK	50	28	15.38	15.20	15.58	16.0
20	QPSK	50	56	15.32	15.14	15.52	16.0
20	QPSK	100	0	15.39	15.22	15.60	
20	16QAM	1	1	15.60	15.42	15.81	16.0
20	64QAM	1	1	15.62	15.44	15.83	16.0
20	256QAM	1	1	15.66	15.48	15.87	16.0
Channel				371500	376000	380500	16.0
Frequency (MHz)				1857.5	1880	1902.5	
15	PI/2 BPSK	1	1	15.69	15.56	15.84	16.0
Channel				371000	376000	381000	16.0
Frequency (MHz)				1855	1880	1905	
10	PI/2 BPSK	1	1	15.74	15.52	15.79	16.0
Channel				370500	376000	381500	16.0
Frequency (MHz)				1852.5	1880	1907.5	
5	PI/2 BPSK	1	1	15.77	15.43	15.92	16.0



<FR1 n5\_Ant 0\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				166800	167300	167800	Tune-up limit (dBm)
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	23.63	23.48	23.44	24.0
20	PI/2 BPSK	1	53	23.21	23.06	23.02	
20	PI/2 BPSK	1	104	23.18	23.03	22.99	
20	PI/2 BPSK	50	0	22.83	22.69	22.65	23.5
20	PI/2 BPSK	50	28	23.28	23.13	23.09	24.0
20	PI/2 BPSK	50	56	22.67	22.53	22.49	23.5
20	PI/2 BPSK	100	0	22.74	22.60	22.56	
20	QPSK	1	1	23.51	23.36	23.32	24.0
20	QPSK	1	53	23.21	23.06	23.02	
20	QPSK	1	104	23.15	23.00	22.96	
20	QPSK	50	0	22.38	22.24	22.20	23.0
20	QPSK	50	28	23.27	23.12	23.08	24.0
20	QPSK	50	56	22.17	22.03	21.99	23.0
20	QPSK	100	0	22.28	22.14	22.10	
20	16QAM	1	1	22.54	22.40	22.36	23.0
20	64QAM	1	1	20.96	20.83	20.79	21.5
20	256QAM	1	1	18.96	18.84	18.81	19.5
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
15	PI/2 BPSK	1	1	23.51	23.33	23.37	24.0
Channel				165800	167300	168800	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	PI/2 BPSK	1	1	23.47	23.43	23.34	24.0
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	PI/2 BPSK	1	1	23.53	23.43	23.37	24.0



<FR1 n5\_Ant 0\_Sensor ON\_NB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				166800	167300	167800	
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	22.81	22.69	22.64	23.0
20	PI/2 BPSK	1	53	22.53	22.34	22.29	
20	PI/2 BPSK	1	104	22.48	22.29	22.24	
20	PI/2 BPSK	50	0	22.66	22.47	22.42	23.0
20	PI/2 BPSK	50	28	22.56	22.37	22.32	23.0
20	PI/2 BPSK	50	56	22.48	22.29	22.24	23.0
20	PI/2 BPSK	100	0	22.56	22.37	22.32	
20	QPSK	1	1	22.78	22.59	22.54	23.0
20	QPSK	1	53	22.61	22.42	22.37	
20	QPSK	1	104	22.55	22.36	22.31	
20	QPSK	50	0	22.35	22.16	22.12	23.0
20	QPSK	50	28	22.59	22.40	22.35	23.0
20	QPSK	50	56	22.19	22.01	21.96	23.0
20	QPSK	100	0	22.28	22.09	22.05	
20	16QAM	1	1	22.41	22.22	22.17	23.0
20	64QAM	1	1	20.94	20.77	20.72	22.0
20	256QAM	1	1	18.89	18.73	18.69	20.5
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
15	PI/2 BPSK	1	1	22.79	22.69	22.44	23.0
Channel				165800	167300	168800	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	PI/2 BPSK	1	1	22.65	22.66	22.64	23.0
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	PI/2 BPSK	1	1	22.79	22.58	22.61	23.0



<FR1 n5\_Ant 0\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				166800	167300	167800	
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	19.50	19.29	19.30	19.5
20	PI/2 BPSK	1	53	19.21	19.00	19.01	
20	PI/2 BPSK	1	104	19.14	18.93	18.94	
20	PI/2 BPSK	50	0	19.30	19.09	19.10	19.5
20	PI/2 BPSK	50	28	19.19	18.98	18.99	19.5
20	PI/2 BPSK	50	56	19.14	18.93	18.94	19.5
20	PI/2 BPSK	100	0	19.21	19.00	19.01	
20	QPSK	1	1	19.41	19.20	19.21	19.5
20	QPSK	1	53	19.27	19.06	19.07	
20	QPSK	1	104	19.19	18.98	18.99	
20	QPSK	50	0	19.29	19.08	19.09	19.5
20	QPSK	50	28	19.19	18.98	18.99	19.5
20	QPSK	50	56	19.13	18.92	18.93	19.5
20	QPSK	100	0	19.20	18.99	19.00	
20	16QAM	1	1	19.33	19.12	19.13	19.5
20	64QAM	1	1	19.35	19.14	19.15	19.5
20	256QAM	1	1	18.91	18.71	18.72	19.5
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
15	PI/2 BPSK	1	1	19.34	19.22	19.10	19.5
Channel				165800	167300	168800	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	PI/2 BPSK	1	1	19.37	19.17	19.22	19.5
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	PI/2 BPSK	1	1	19.50	19.12	19.28	19.5



<FR1 n7\_Ant 0\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				504000	507000	510000	Tune-up limit (dBm)
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	23.67	23.89	23.64	24.0
40	PI/2 BPSK	1	108	22.89	23.07	23.02	
40	PI/2 BPSK	1	214	22.95	23.13	23.08	
40	PI/2 BPSK	108	0	22.32	22.50	22.45	23.5
40	PI/2 BPSK	108	54	22.97	23.15	23.10	24.0
40	PI/2 BPSK	108	108	22.52	22.70	22.65	23.5
40	PI/2 BPSK	216	0	22.29	22.47	22.42	
40	QPSK	1	1	22.81	22.99	22.94	24.0
40	QPSK	1	108	22.97	23.15	23.10	
40	QPSK	1	214	22.98	23.16	23.11	
40	QPSK	108	0	21.83	22.01	21.96	23.0
40	QPSK	108	54	22.97	23.15	23.10	24.0
40	QPSK	108	108	22.02	22.20	22.15	23.0
40	QPSK	216	0	21.84	22.02	21.97	
40	16QAM	1	1	21.79	21.96	21.91	23.0
40	64QAM	1	1	20.23	20.39	20.35	21.5
40	256QAM	1	1	18.34	18.49	18.45	19.5
Channel				503000	507000	511000	Tune-up limit (dBm)
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	23.68	23.78	23.68	24.0
Channel				502500	507000	511500	Tune-up limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	23.58	23.70	23.70	24.0
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	23.70	23.81	23.84	24.0
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	23.63	23.86	23.75	24.0
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	23.55	23.85	23.80	24.0
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	23.53	23.76	23.80	24.0



<FR1 n7\_Ant 2\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				504000	507000	510000	
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	21.88	21.96	22.23	22.5
40	PI/2 BPSK	1	108	21.73	21.83	22.08	
40	PI/2 BPSK	1	214	21.73	21.83	22.08	
40	PI/2 BPSK	108	0	21.70	21.80	22.05	22.5
40	PI/2 BPSK	108	54	21.81	21.91	22.16	22.5
40	PI/2 BPSK	108	108	21.80	21.90	22.15	22.5
40	PI/2 BPSK	216	0	21.77	21.87	22.12	
40	QPSK	1	1	21.77	21.87	22.12	22.5
40	QPSK	1	108	21.82	21.92	22.17	
40	QPSK	1	214	21.80	21.90	22.15	
40	QPSK	108	0	21.69	21.79	22.04	22.5
40	QPSK	108	54	21.80	21.90	22.15	22.5
40	QPSK	108	108	21.83	21.93	22.18	22.5
40	QPSK	216	0	21.80	21.90	22.15	
40	16QAM	1	1	21.85	21.95	22.20	22.5
40	64QAM	1	1	20.29	20.38	20.61	21.5
40	256QAM	1	1	19.38	19.47	19.69	20.0
Channel				503000	507000	511000	Tune-up limit (dBm)
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	21.86	21.80	22.18	22.5
Channel				502500	507000	511500	Tune-up limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	21.76	21.85	22.11	22.5
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	21.69	21.91	22.02	22.5
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	21.77	21.87	22.17	22.5
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	21.70	21.80	22.05	22.5
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	21.76	21.80	22.16	22.5



<FR1 n7\_Ant 0\_Sensor ON\_NB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				504000	507000	510000	
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	16.06	16.31	16.14	16.5
40	PI/2 BPSK	1	108	16.01	16.21	16.05	
40	PI/2 BPSK	1	214	16.02	16.27	16.10	
40	PI/2 BPSK	108	0	16.02	16.26	16.10	16.5
40	PI/2 BPSK	108	54	15.88	16.22	16.05	16.5
40	PI/2 BPSK	108	108	16.01	16.13	16.09	16.5
40	PI/2 BPSK	216	0	16.00	16.25	16.08	
40	QPSK	1	1	15.92	16.17	16.00	16.5
40	QPSK	1	108	16.01	16.26	16.09	
40	QPSK	1	214	15.99	16.24	16.07	
40	QPSK	108	0	15.84	16.09	15.92	16.5
40	QPSK	108	54	16.01	16.26	16.09	16.5
40	QPSK	108	108	16.00	16.25	16.08	16.5
40	QPSK	216	0	15.98	16.23	16.06	
40	16QAM	1	1	15.89	16.14	15.97	16.5
40	64QAM	1	1	15.88	16.13	15.96	16.5
40	256QAM	1	1	15.95	16.20	16.03	16.5
Channel				503000	507000	511000	Tune-up limit (dBm)
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	15.85	16.25	16.03	16.5
Channel				502500	507000	511500	Tune-up limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	15.89	16.11	16.07	16.5
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	15.88	16.28	16.10	16.5
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	15.89	16.27	16.12	16.5
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	15.85	16.26	16.06	16.5





<FR1 n7\_Ant 0\_Sensor ON\_NB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				504000	507000	510000	
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	16.83	16.85	16.99	17.0
40	PI/2 BPSK	1	108	16.67	16.69	16.83	
40	PI/2 BPSK	1	214	16.78	16.80	16.94	
40	PI/2 BPSK	108	0	16.78	16.85	16.93	17.0
40	PI/2 BPSK	108	54	16.73	16.75	16.89	17.0
40	PI/2 BPSK	108	108	16.76	16.78	16.92	17.0
40	PI/2 BPSK	216	0	16.72	16.74	16.88	
40	QPSK	1	1	16.77	16.79	16.93	17.0
40	QPSK	1	108	16.80	16.82	16.96	
40	QPSK	1	214	16.79	16.81	16.95	
40	QPSK	108	0	16.72	16.74	16.88	17.0
40	QPSK	108	54	16.76	16.78	16.92	17.0
40	QPSK	108	108	16.76	16.78	16.92	17.0
40	QPSK	216	0	16.77	16.79	16.93	
40	16QAM	1	1	16.70	16.72	16.86	17.0
40	64QAM	1	1	16.82	16.84	16.98	17.0
40	256QAM	1	1	16.71	16.73	16.87	17.0
Channel				503000	507000	511000	Tune-up limit (dBm)
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	16.66	16.62	16.92	17.0
Channel				502500	507000	511500	Tune-up limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	16.63	16.76	16.85	17.0
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	16.80	16.66	16.77	17.0
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	16.71	16.76	16.86	17.0
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	16.79	16.81	16.92	17.0
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	16.68	16.76	16.94	17.0



<FR1 n7\_Ant 0\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				504000	507000	510000	
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	12.94	13.32	13.08	13.5
40	PI/2 BPSK	1	108	12.79	13.17	12.93	
40	PI/2 BPSK	1	214	12.84	13.22	12.98	
40	PI/2 BPSK	108	0	12.90	13.25	13.02	13.5
40	PI/2 BPSK	108	54	12.82	13.20	12.96	13.5
40	PI/2 BPSK	108	108	12.87	13.09	13.01	13.5
40	PI/2 BPSK	216	0	12.82	13.20	12.96	
40	QPSK	1	1	12.76	13.13	12.89	13.5
40	QPSK	1	108	12.84	13.22	12.98	
40	QPSK	1	214	12.90	13.28	13.04	
40	QPSK	108	0	12.73	13.28	12.86	13.5
40	QPSK	108	54	12.83	13.21	12.97	13.5
40	QPSK	108	108	12.86	13.24	13.00	13.5
40	QPSK	216	0	12.85	13.23	12.99	
40	16QAM	1	1	12.70	13.07	12.83	13.5
40	64QAM	1	1	12.44	12.81	12.58	13.5
40	256QAM	1	1	12.68	13.05	12.81	13.5
Channel				503000	507000	511000	Tune-up limit (dBm)
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	12.76	13.10	13.02	13.5
Channel				502500	507000	511500	Tune-up limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	12.83	13.28	13.01	13.5
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	12.91	13.21	12.98	13.5
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	12.75	13.28	12.98	13.5
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	12.91	13.27	12.91	13.5



<FR1 n7\_Ant 2\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				504000	507000	510000	
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	15.27	15.25	15.47	15.5
40	PI/2 BPSK	1	108	15.22	15.20	15.42	
40	PI/2 BPSK	1	214	15.14	15.12	15.34	
40	PI/2 BPSK	108	0	15.26	15.24	15.45	15.5
40	PI/2 BPSK	108	54	15.25	15.23	15.38	15.5
40	PI/2 BPSK	108	108	15.23	15.21	15.43	15.5
40	PI/2 BPSK	216	0	15.20	15.18	15.40	
40	QPSK	1	1	15.09	15.07	15.29	15.5
40	QPSK	1	108	15.15	15.13	15.35	
40	QPSK	1	214	15.11	15.09	15.31	
40	QPSK	108	0	15.19	15.17	15.39	15.5
40	QPSK	108	54	15.23	15.21	15.43	15.5
40	QPSK	108	108	15.25	15.23	15.45	15.5
40	QPSK	216	0	15.22	15.20	15.42	
40	16QAM	1	1	15.10	15.08	15.30	15.5
40	64QAM	1	1	15.22	15.20	15.42	15.5
40	256QAM	1	1	15.11	15.09	15.31	15.5
Channel				503000	507000	511000	Tune-up limit (dBm)
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	15.26	15.10	15.29	15.5
Channel				502500	507000	511500	Tune-up limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	15.16	15.12	15.45	15.5
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	15.14	15.26	15.45	15.5
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	15.20	15.14	15.38	15.5
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	15.23	15.09	15.41	15.5
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	15.11	15.24	15.42	15.5



**<FR1 n12\_Ant 0\_Sensor OFF\_NB/TB>**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				141300	141500	141700	
Frequency (MHz)				706.5	707.5	708.5	
15	PI/2 BPSK	1	1	23.24	23.34	23.23	24.0
15	PI/2 BPSK	1	40	22.97	23.07	22.96	
15	PI/2 BPSK	1	77	22.95	23.05	22.94	
15	PI/2 BPSK	36	0	22.62	22.72	22.61	23.5
15	PI/2 BPSK	36	22	22.96	23.06	22.95	24.0
15	PI/2 BPSK	36	43	22.79	22.89	22.78	23.5
15	PI/2 BPSK	75	0	22.51	22.61	22.50	
15	QPSK	1	1	22.91	23.01	22.90	24.0
15	QPSK	1	40	22.98	23.08	22.97	
15	QPSK	1	77	22.89	22.99	22.88	
15	QPSK	36	0	22.15	22.25	22.15	23.0
15	QPSK	36	22	22.95	23.05	22.94	24.0
15	QPSK	36	43	21.99	22.08	21.98	23.0
15	QPSK	75	0	22.04	22.13	22.03	
15	16QAM	1	1	21.46	21.55	21.45	23.0
15	64QAM	1	1	20.57	20.66	20.56	21.5
	256QAM	1	1	18.56	18.64	18.55	19.5
Channel				140800	141500	142200	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	23.10	23.16	23.21	24.0
Channel				140300	141500	142700	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	PI/2 BPSK	1	1	23.19	23.23	23.08	24.0

**<FR1 n12\_Ant 0\_Sensor ON\_NB>**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				141300	141500	141700	
Frequency (MHz)				706.5	707.5	708.5	
15	PI/2 BPSK	1	1	21.91	22.46	21.89	22.5
15	PI/2 BPSK	1	40	21.77	22.32	21.75	
15	PI/2 BPSK	1	77	21.83	22.38	21.81	
15	PI/2 BPSK	36	0	21.86	22.40	21.85	22.5
15	PI/2 BPSK	36	22	21.80	22.35	21.78	22.5
15	PI/2 BPSK	36	43	21.85	22.38	21.83	22.5
15	PI/2 BPSK	75	0	21.34	21.88	21.32	
15	QPSK	1	1	21.74	22.29	21.72	22.5
15	QPSK	1	40	21.77	22.32	21.75	
15	QPSK	1	77	21.81	22.36	21.79	
15	QPSK	36	0	21.51	22.05	21.49	22.5
15	QPSK	36	22	21.78	22.33	21.76	22.5
15	QPSK	36	43	21.56	22.10	21.54	22.5
15	QPSK	75	0	21.33	21.87	21.31	
15	16QAM	1	1	20.98	21.51	20.96	22.5
15	64QAM	1	1	20.16	20.67	20.15	21.5
	256QAM	1	1	18.18	18.64	18.17	20.0
Channel				140800	141500	142200	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	21.80	22.33	21.74	22.5
Channel				140300	141500	142700	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	PI/2 BPSK	1	1	21.89	22.26	21.80	22.5



**<FR1 n12\_Ant 0\_Sensor ON\_TB>**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				141300	141500	141700	18.5
Frequency (MHz)				706.5	707.5	708.5	
15	PI/2 BPSK	1	1	18.41	18.49	18.37	
15	PI/2 BPSK	1	40	18.31	18.39	18.27	18.5
15	PI/2 BPSK	1	77	18.33	18.41	18.29	
15	PI/2 BPSK	36	0	18.38	18.46	18.34	18.5
15	PI/2 BPSK	36	22	18.32	18.40	18.28	18.5
15	PI/2 BPSK	36	43	18.32	18.40	18.28	18.5
15	PI/2 BPSK	75	0	18.38	18.46	18.34	
15	QPSK	1	1	18.29	18.37	18.25	18.5
15	QPSK	1	40	18.28	18.36	18.24	
15	QPSK	1	77	18.32	18.40	18.28	
15	QPSK	36	0	18.36	18.44	18.32	18.5
15	QPSK	36	22	18.33	18.41	18.29	18.5
15	QPSK	36	43	18.28	18.36	18.24	18.5
15	QPSK	75	0	18.39	18.47	18.35	
15	16QAM	1	1	18.28	18.36	18.24	18.5
15	64QAM	1	1	18.26	18.34	18.22	18.5
	256QAM	1	1	18.23	18.31	18.19	18.5
Channel				140800	141500	142200	18.5
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	18.22	18.47	18.27	18.5
Channel				140300	141500	142700	18.5
Frequency (MHz)				701.5	707.5	713.5	
5	PI/2 BPSK	1	1	18.29	18.43	18.18	18.5

**<FR1 n13\_Ant 0\_Sensor OFF\_NB/TB>**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					156400		24.0
Frequency (MHz)					782		
10	PI/2 BPSK	1	1		23.34		24.0
10	PI/2 BPSK	1	26		23.22		
10	PI/2 BPSK	1	50		23.31		23.5
10	PI/2 BPSK	25	0		22.67		
10	PI/2 BPSK	25	14		23.20		24.0
10	PI/2 BPSK	25	27		22.70		23.5
10	PI/2 BPSK	50	0		22.73		
10	QPSK	1	1		23.13		24.0
10	QPSK	1	26		23.20		
10	QPSK	1	50		23.18		
10	QPSK	25	0		22.17		23.0
10	QPSK	25	14		23.21		24.0
10	QPSK	25	27		22.15		23.0
10	QPSK	50	0		22.24		
10	16QAM	1	1		22.21		23.0
10	64QAM	1	1		20.56		21.5
10	256QAM	1	1		18.67		19.5
Channel				155900	156400	156900	24.0
Frequency (MHz)				779.5	782	784.5	
5	PI/2 BPSK	1	1	23.20	23.25	23.31	24.0



**<FR1 n13\_Ant 0\_Sensor ON\_NB>**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					156400		
Frequency (MHz)					782		
10	PI/2 BPSK	1	1		21.54		22.0
10	PI/2 BPSK	1	26		21.50		
10	PI/2 BPSK	1	50		21.49		
10	PI/2 BPSK	25	0		21.50		22.0
10	PI/2 BPSK	25	14		21.48		22.0
10	PI/2 BPSK	25	27		21.47		22.0
10	PI/2 BPSK	50	0		21.43		
10	QPSK	1	1		21.45		
10	QPSK	1	26		21.41		22.0
10	QPSK	1	50		21.44		
10	QPSK	25	0		21.45		
10	QPSK	25	14		21.46		22.0
10	QPSK	25	27		21.45		22.0
10	QPSK	50	0		21.50		
10	16QAM	1	1		21.47		
10	64QAM	1	1		20.67		22.0
10	256QAM	1	1		18.65		20.0
Channel				155900	156400	156900	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	PI/2 BPSK	1	1	21.52	21.37	21.40	22.0

**<FR1 n13\_Ant 0\_Sensor ON\_TB>**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					156400		
Frequency (MHz)					782		
10	PI/2 BPSK	1	1		19.58		20.0
10	PI/2 BPSK	1	26		19.55		
10	PI/2 BPSK	1	50		19.53		
10	PI/2 BPSK	25	0		19.51		20.0
10	PI/2 BPSK	25	14		19.48		20.0
10	PI/2 BPSK	25	27		19.46		20.0
10	PI/2 BPSK	50	0		19.48		
10	QPSK	1	1		19.53		
10	QPSK	1	26		19.54		20.0
10	QPSK	1	50		19.52		
10	QPSK	25	0		19.47		
10	QPSK	25	14		19.48		20.0
10	QPSK	25	27		19.43		20.0
10	QPSK	50	0		19.50		
10	16QAM	1	1		19.31		
10	64QAM	1	1		19.45		20.0
10	256QAM	1	1		18.60		20.0
Channel				155900	156400	156900	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	PI/2 BPSK	1	1	19.42	19.48	19.51	20.0



**<FR1 n14\_Ant 0\_Sensor OFF\_NB/TB>**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					158600		
Frequency (MHz)					793		
10	PI/2 BPSK	1	1		23.20		24.0
10	PI/2 BPSK	1	26		23.18		
10	PI/2 BPSK	1	50		23.00		
10	PI/2 BPSK	25	0		22.64		23.5
10	PI/2 BPSK	25	14		23.10		24.0
10	PI/2 BPSK	25	27		22.65		23.5
10	PI/2 BPSK	50	0		22.62		
10	QPSK	1	1		23.10		24.0
10	QPSK	1	26		23.13		
10	QPSK	1	50		23.01		
10	QPSK	25	0		22.15		23.0
10	QPSK	25	14		23.11		24.0
10	QPSK	25	27		22.12		23.0
10	QPSK	50	0		22.14		
10	16QAM	1	1		21.96		23.0
10	64QAM	1	1		20.70		21.5
10	256QAM	1	1		18.50		19.5
Channel				158100	158600	159100	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	PI/2 BPSK	1	1	23.08	23.02	23.13	24.0

**<FR1 n14\_Ant 0\_Sensor ON\_NB>**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					158600		
Frequency (MHz)					793		
10	PI/2 BPSK	1	1		22.48		22.5
10	PI/2 BPSK	1	26		22.40		
10	PI/2 BPSK	1	50		22.27		
10	PI/2 BPSK	25	0		22.42		22.5
10	PI/2 BPSK	25	14		22.40		22.5
10	PI/2 BPSK	25	27		22.38		22.5
10	PI/2 BPSK	50	0		22.26		
10	QPSK	1	1		22.39		22.5
10	QPSK	1	26		22.47		
10	QPSK	1	50		22.30		
10	QPSK	25	0		22.16		22.5
10	QPSK	25	14		22.38		22.5
10	QPSK	25	27		22.18		22.5
10	QPSK	50	0		22.20		
10	16QAM	1	1		22.02		22.5
10	64QAM	1	1		20.70		21.5
10	256QAM	1	1		18.57		20.5
Channel				158100	158600	159100	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	PI/2 BPSK	1	1	22.32	22.34	22.34	22.5



<FR1 n14\_Ant 0\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					158600		
Frequency (MHz)					793		
10	PI/2 BPSK	1	1		19.11		19.5
10	PI/2 BPSK	1	26		19.04		
10	PI/2 BPSK	1	50		19.03		
10	PI/2 BPSK	25	0		19.06		19.5
10	PI/2 BPSK	25	14		19.05		19.5
10	PI/2 BPSK	25	27		19.05		19.5
10	PI/2 BPSK	50	0		19.03		
10	QPSK	1	1		19.00		19.5
10	QPSK	1	26		19.10		
10	QPSK	1	50		18.95		
10	QPSK	25	0		19.07		19.5
10	QPSK	25	14		19.00		19.5
10	QPSK	25	27		19.08		19.5
10	QPSK	50	0		19.03		
10	16QAM	1	1		18.88		19.5
10	64QAM	1	1		18.87		19.5
10	256QAM	1	1		18.49		19.5
Channel				158100	158600	159100	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	PI/2 BPSK	1	1	18.99	19.01	18.96	19.5





<FR1 n25\_Ant 0\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376500	379000	Tune-up limit (dBm)
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	23.40	23.55	23.46	24.0
40	PI/2 BPSK	1	108	23.22	23.43	23.39	
40	PI/2 BPSK	1	214	22.94	23.12	23.10	
40	PI/2 BPSK	108	0	23.33	23.47	23.40	23.5
40	PI/2 BPSK	108	54	23.35	23.48	23.44	24.0
40	PI/2 BPSK	108	108	22.78	22.89	22.80	23.5
40	PI/2 BPSK	216	0	22.81	23.01	22.92	
40	QPSK	1	1	23.28	23.42	23.40	
40	QPSK	1	108	23.11	23.37	23.24	24.0
40	QPSK	1	214	22.84	23.09	22.90	
40	QPSK	108	0	22.40	22.55	22.43	
40	QPSK	108	54	23.42	23.47	23.43	24.0
40	QPSK	108	108	22.29	22.34	22.32	23.0
40	QPSK	216	0	22.37	22.55	22.54	
40	16QAM	1	1	22.47	22.70	22.56	
40	64QAM	1	1	20.85	21.05	20.89	21.5
40	256QAM	1	1	18.90	19.07	19.03	19.5
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	23.36	23.40	23.28	24.0
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	23.40	23.48	23.26	24.0
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	23.38	23.45	23.36	24.0
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	23.40	23.35	23.46	24.0
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	23.38	23.38	23.36	24.0
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	23.27	23.38	23.33	24.0



<FR1 n25\_Ant 2\_Sensor  
OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376500	379000	Tune-up limit (dBm)
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	23.54	23.60	23.65	24.0
40	PI/2 BPSK	1	108	22.97	23.03	23.08	
40	PI/2 BPSK	1	214	22.74	22.80	22.85	
40	PI/2 BPSK	108	0	22.67	22.73	22.78	23.5
40	PI/2 BPSK	108	54	22.52	22.58	22.63	24.0
40	PI/2 BPSK	108	108	22.48	22.54	22.59	23.5
40	PI/2 BPSK	216	0	22.57	22.63	22.68	
40	QPSK	1	1	23.24	23.30	23.35	24.0
40	QPSK	1	108	23.04	23.10	23.15	
40	QPSK	1	214	22.76	22.82	22.87	
40	QPSK	108	0	22.17	22.22	22.27	23.0
40	QPSK	108	54	22.10	22.15	22.20	24.0
40	QPSK	108	108	21.90	21.95	22.00	23.0
40	QPSK	216	0	22.10	22.15	22.20	
40	16QAM	1	1	22.06	22.11	22.16	23.0
40	64QAM	1	1	20.83	20.89	20.93	21.5
40	256QAM	1	1	18.50	18.55	18.59	19.5
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	23.52	23.54	23.47	24.0
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	23.41	23.57	23.53	24.0
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	23.53	23.45	23.56	24.0
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	23.36	23.57	23.60	24.0
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	23.52	23.44	23.45	24.0



<FR1 n25\_Ant 0\_Sensor ON\_NB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376500	379000	
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	19.80	19.95	19.88	20.0
40	PI/2 BPSK	1	108	19.52	19.72	19.61	
40	PI/2 BPSK	1	214	19.20	19.34	19.27	
40	PI/2 BPSK	108	0	19.64	19.78	19.77	20.0
40	PI/2 BPSK	108	54	19.50	19.67	19.64	20.0
40	PI/2 BPSK	108	108	19.34	19.53	19.50	20.0
40	PI/2 BPSK	216	0	19.69	19.72	19.71	
40	QPSK	1	1	19.49	19.67	19.58	20.0
40	QPSK	1	108	19.64	19.71	19.58	
40	QPSK	1	214	19.16	19.30	19.11	
40	QPSK	108	0	19.56	19.74	19.66	20.0
40	QPSK	108	54	19.62	19.67	19.48	20.0
40	QPSK	108	108	19.46	19.55	19.40	20.0
40	QPSK	216	0	19.59	19.73	19.63	
40	16QAM	1	1	19.79	19.80	19.75	20.0
40	64QAM	1	1	19.78	19.80	19.66	20.0
40	256QAM	1	1	18.92	19.08	18.91	19.5
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	19.62	19.89	19.79	20.0
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	19.75	19.93	19.86	20.0
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	19.68	19.92	19.83	20.0
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	19.62	19.82	19.87	20.0
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	19.60	19.77	19.69	20.0
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	19.78	19.89	19.82	20.0



<FR1 n25\_Ant 0\_Sensor ON\_NB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376500	379000	
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	17.42	17.37	17.46	17.5
40	PI/2 BPSK	1	108	17.25	17.20	17.29	
40	PI/2 BPSK	1	214	16.90	16.85	16.94	
40	PI/2 BPSK	108	0	17.37	17.32	17.41	17.5
40	PI/2 BPSK	108	54	17.23	17.18	17.27	17.5
40	PI/2 BPSK	108	108	17.17	17.12	17.21	17.5
40	PI/2 BPSK	216	0	17.28	17.23	17.32	
40	QPSK	1	1	17.35	17.30	17.39	17.5
40	QPSK	1	108	17.27	17.22	17.31	
40	QPSK	1	214	17.06	17.01	17.10	
40	QPSK	108	0	17.36	17.31	17.40	17.5
40	QPSK	108	54	17.28	17.23	17.32	17.5
40	QPSK	108	108	17.16	17.11	17.20	17.5
40	QPSK	216	0	17.26	17.21	17.30	
40	16QAM	1	1	17.29	17.24	17.33	17.5
40	64QAM	1	1	17.34	17.29	17.38	17.5
40	256QAM	1	1	17.26	17.21	17.30	17.5
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	17.35	17.27	17.41	17.5
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	17.25	17.23	17.38	17.5
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	17.42	17.29	17.40	17.5
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	17.33	17.19	17.44	17.5
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	17.36	17.34	17.29	17.5
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	17.41	17.21	17.46	17.5



<FR1 n25\_Ant 0\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376500	379000	
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	15.80	15.86	15.82	16.0
40	PI/2 BPSK	1	108	15.47	15.57	15.54	
40	PI/2 BPSK	1	214	15.13	15.19	15.10	
40	PI/2 BPSK	108	0	15.63	15.70	15.55	16.0
40	PI/2 BPSK	108	54	15.39	15.50	15.45	16.0
40	PI/2 BPSK	108	108	15.37	15.47	15.37	16.0
40	PI/2 BPSK	216	0	15.34	15.52	15.43	
40	QPSK	1	1	15.46	15.61	15.42	16.0
40	QPSK	1	108	15.57	15.64	15.63	
40	QPSK	1	214	14.96	15.10	14.97	
40	QPSK	108	0	15.67	15.72	15.64	16.0
40	QPSK	108	54	15.56	15.58	15.38	16.0
40	QPSK	108	108	15.30	15.41	15.28	16.0
40	QPSK	216	0	15.50	15.65	15.63	
40	16QAM	1	1	15.78	15.79	15.67	16.0
40	64QAM	1	1	15.53	15.70	15.70	16.0
40	256QAM	1	1	15.59	15.66	15.60	16.0
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	15.75	15.70	15.69	16.0
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	15.79	15.84	15.76	16.0
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	15.60	15.82	15.64	16.0
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	15.78	15.71	15.74	16.0
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	15.80	15.75	15.66	16.0
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	15.62	15.73	15.64	16.0



<FR1 n25\_Ant 2\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376500	379000	
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	15.90	15.86	15.97	16.0
40	PI/2 BPSK	1	108	15.85	15.81	15.92	
40	PI/2 BPSK	1	214	15.44	15.40	15.51	
40	PI/2 BPSK	108	0	15.82	15.78	15.89	16.0
40	PI/2 BPSK	108	54	15.81	15.77	15.88	16.0
40	PI/2 BPSK	108	108	15.67	15.63	15.74	16.0
40	PI/2 BPSK	216	0	15.49	15.45	15.56	
40	QPSK	1	1	15.83	15.79	15.90	16.0
40	QPSK	1	108	15.89	15.85	15.96	
40	QPSK	1	214	15.53	15.49	15.60	
40	QPSK	108	0	15.87	15.83	15.94	16.0
40	QPSK	108	54	15.85	15.81	15.92	16.0
40	QPSK	108	108	15.71	15.67	15.78	16.0
40	QPSK	216	0	15.50	15.46	15.57	
40	16QAM	1	1	15.81	15.77	15.88	16.0
40	64QAM	1	1	15.81	15.77	15.88	16.0
40	256QAM	1	1	15.67	15.63	15.74	16.0
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	15.72	15.73	15.82	16.0
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	15.85	15.81	15.92	16.0
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	15.70	15.71	15.80	16.0
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	15.74	15.68	15.92	16.0
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	15.72	15.74	15.82	16.0
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	15.75	15.67	15.92	16.0



<FR1 n26\_Ant 0\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				164800	166300	167800	
Frequency (MHz)				824	831.5	839	
20	PI/2 BPSK	1	1	23.41	23.50	23.29	24.0
20	PI/2 BPSK	1	53	23.38	23.44	23.29	
20	PI/2 BPSK	1	104	23.17	23.35	23.32	
20	PI/2 BPSK	50	0	22.91	22.99	22.93	23.5
20	PI/2 BPSK	50	28	23.34	23.45	23.30	24.0
20	PI/2 BPSK	50	56	22.72	22.84	22.74	23.5
20	PI/2 BPSK	100	0	22.97	22.98	22.94	
20	QPSK	1	1	23.40	23.44	23.43	24.0
20	QPSK	1	53	23.38	23.43	23.33	
20	QPSK	1	104	23.16	23.36	23.16	
20	QPSK	50	0	22.37	22.44	22.37	23.0
20	QPSK	50	28	23.22	23.41	23.30	24.0
20	QPSK	50	56	22.20	22.37	22.37	23.0
20	QPSK	100	0	22.45	22.45	22.27	
20	16QAM	1	1	22.76	22.77	22.66	23.0
20	64QAM	1	1	21.12	21.18	21.18	21.5
20	256QAM	1	1	18.73	18.90	18.88	19.5
Channel				164300	166300	168300	Tune-up limit (dBm)
Frequency (MHz)				821.5	831.5	841.5	
15	PI/2 BPSK	1	1	23.26	23.30	23.12	24.0
Channel				163800	166300	168800	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	PI/2 BPSK	1	1	23.31	23.31	23.13	24.0
Channel				163300	166300	169300	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	PI/2 BPSK	1	1	23.28	23.43	23.26	24.0



<FR1 n26\_Ant 0\_Sensor ON\_NB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				164800	166300	167800	
Frequency (MHz)				824	831.5	839	
20	PI/2 BPSK	1	1	22.79	22.84	22.70	23.0
20	PI/2 BPSK	1	53	22.72	22.77	22.66	
20	PI/2 BPSK	1	104	22.71	22.76	22.69	
20	PI/2 BPSK	50	0	22.76	22.77	22.70	23.0
20	PI/2 BPSK	50	28	22.65	22.72	22.70	23.0
20	PI/2 BPSK	50	56	22.71	22.72	22.63	23.0
20	PI/2 BPSK	100	0	22.67	22.75	22.73	
20	QPSK	1	1	22.64	22.82	22.69	23.0
20	QPSK	1	53	22.60	22.73	22.54	
20	QPSK	1	104	22.67	22.70	22.62	
20	QPSK	50	0	22.45	22.49	22.34	23.0
20	QPSK	50	28	22.66	22.71	22.62	23.0
20	QPSK	50	56	22.31	22.33	22.27	23.0
20	QPSK	100	0	22.37	22.45	22.29	
20	16QAM	1	1	22.68	22.69	22.63	23.0
20	64QAM	1	1	21.15	21.18	21.14	21.5
20	256QAM	1	1	18.76	18.90	18.70	19.5
Channel				164300	166300	168300	Tune-up limit (dBm)
Frequency (MHz)				821.5	831.5	841.5	
15	PI/2 BPSK	1	1	22.76	22.79	22.62	23.0
Channel				163800	166300	168800	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	PI/2 BPSK	1	1	22.66	22.73	22.62	23.0
Channel				163300	166300	169300	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	PI/2 BPSK	1	1	22.78	22.64	22.50	23.0





<FR1 n26\_Ant 0\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				164800	166300	167800	
Frequency (MHz)				824	831.5	839	
20	PI/2 BPSK	1	1	19.28	19.42	19.36	19.5
20	PI/2 BPSK	1	53	18.73	18.87	18.86	
20	PI/2 BPSK	1	104	18.51	18.62	18.51	
20	PI/2 BPSK	50	0	19.16	19.17	19.06	19.5
20	PI/2 BPSK	50	28	18.77	18.82	18.65	19.5
20	PI/2 BPSK	50	56	18.76	18.85	18.70	19.5
20	PI/2 BPSK	100	0	18.77	18.89	18.83	
20	QPSK	1	1	18.76	18.94	18.84	19.5
20	QPSK	1	53	18.82	19.01	19.01	
20	QPSK	1	104	18.42	18.56	18.45	
20	QPSK	50	0	19.00	19.03	18.97	19.5
20	QPSK	50	28	18.69	18.89	18.77	19.5
20	QPSK	50	56	18.78	18.88	18.83	19.5
20	QPSK	100	0	18.86	19.06	18.86	
20	16QAM	1	1	19.20	19.26	19.25	19.5
20	64QAM	1	1	19.10	19.15	19.13	19.5
20	256QAM	1	1	18.71	18.90	18.72	19.0
Channel				164300	166300	168300	Tune-up limit (dBm)
Frequency (MHz)				821.5	831.5	841.5	
15	PI/2 BPSK	1	1	19.17	19.26	19.20	19.5
Channel				163800	166300	168800	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	PI/2 BPSK	1	1	19.20	19.22	19.35	19.5
Channel				163300	166300	169300	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	PI/2 BPSK	1	1	19.20	19.23	19.28	19.5



<FR1 n30\_Ant 0\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		22.07		23.0
10	PI/2 BPSK	1	26		21.89		
10	PI/2 BPSK	1	50		21.91		
10	PI/2 BPSK	25	0		21.46		22.5
10	PI/2 BPSK	25	14		21.88		23.0
10	PI/2 BPSK	25	27		21.42		22.5
10	PI/2 BPSK	50	0		21.40		
10	QPSK	1	1		21.99		23.0
10	QPSK	1	26		21.87		
10	QPSK	1	50		21.85		
10	QPSK	25	0		20.99		22.0
10	QPSK	25	14		21.89		23.0
10	QPSK	25	27		20.99		22.0
10	QPSK	50	0		20.88		
10	16QAM	1	1		21.06		22.0
10	64QAM	1	1		19.50		20.5
10	256QAM	1	1		17.29		18.5
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	21.82	21.96	21.95	23.0



<FR1 n30\_Ant 2\_Sensor  
OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		22.18		23.0
10	PI/2 BPSK	1	26		22.10		
10	PI/2 BPSK	1	50		22.15		
10	PI/2 BPSK	25	0		21.63		22.5
10	PI/2 BPSK	25	14		22.09		23.0
10	PI/2 BPSK	25	27		21.53		22.5
10	PI/2 BPSK	50	0		21.62		
10	QPSK	1	1		22.15		23.0
10	QPSK	1	26		22.05		
10	QPSK	1	50		22.03		
10	QPSK	25	0		21.24		22.0
10	QPSK	25	14		22.10		23.0
10	QPSK	25	27		21.05		22.0
10	QPSK	50	0		21.12		
10	16QAM	1	1		21.46		22.0
10	64QAM	1	1		19.89		20.5
10	256QAM	1	1		17.56		18.5
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	22.10	22.12	22.00	23.0



<FR1 n30\_Ant 0\_Sensor ON\_NB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		17.95		18.0
10	PI/2 BPSK	1	26		17.77		
10	PI/2 BPSK	1	50		17.62		
10	PI/2 BPSK	25	0		17.67		18.0
10	PI/2 BPSK	25	14		17.32		18.0
10	PI/2 BPSK	25	27		17.35		18.0
10	PI/2 BPSK	50	0		17.39		
10	QPSK	1	1		17.44		18.0
10	QPSK	1	26		17.51		
10	QPSK	1	50		17.06		
10	QPSK	25	0		17.53		18.0
10	QPSK	25	14		17.39		18.0
10	QPSK	25	27		17.38		18.0
10	QPSK	50	0		17.56		
10	16QAM	1	1		17.76		18.0
10	64QAM	1	1		17.65		18.0
10	256QAM	1	1		17.29		17.5
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	17.82	17.94	17.71	18.0



<FR1 n30\_Ant 0\_Sensor ON\_NB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		17.40		17.5
10	PI/2 BPSK	1	26		17.04		
10	PI/2 BPSK	1	50		17.01		
10	PI/2 BPSK	25	0		17.02		17.5
10	PI/2 BPSK	25	14		17.01		17.5
10	PI/2 BPSK	25	27		16.98		17.5
10	PI/2 BPSK	50	0		17.01		
10	QPSK	1	1		17.14		17.5
10	QPSK	1	26		16.99		
10	QPSK	1	50		16.94		
10	QPSK	25	0		17.13		17.5
10	QPSK	25	14		17.02		17.5
10	QPSK	25	27		16.94		17.5
10	QPSK	50	0		17.00		
10	16QAM	1	1		17.22		17.5
10	64QAM	1	1		17.34		17.5
10	256QAM	1	1		17.00		17.5
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	17.31	17.29	17.33	17.5



<FR1 n30\_Ant 0\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		14.86		15.0
10	PI/2 BPSK	1	26		14.62		
10	PI/2 BPSK	1	50		14.77		
10	PI/2 BPSK	25	0		14.85		15.0
10	PI/2 BPSK	25	14		14.82		15.0
10	PI/2 BPSK	25	27		14.79		15.0
10	PI/2 BPSK	50	0		14.74		
10	QPSK	1	1		14.81		15.0
10	QPSK	1	26		14.56		
10	QPSK	1	50		14.83		
10	QPSK	25	0		14.79		15.0
10	QPSK	25	14		14.78		15.0
10	QPSK	25	27		14.81		15.0
10	QPSK	50	0		14.80		
10	16QAM	1	1		14.85		15.0
10	64QAM	1	1		14.80		15.0
10	256QAM	1	1		14.77		15.0
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	14.74	14.85	14.69	15.0



<FR1 n30\_Ant 2\_Sensor ON\_TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					462000		
Frequency (MHz)					2310		
10	PI/2 BPSK	1	1		15.85		16.0
10	PI/2 BPSK	1	26		15.46		
10	PI/2 BPSK	1	50		15.44		
10	PI/2 BPSK	25	0		15.46		16.0
10	PI/2 BPSK	25	14		15.45		16.0
10	PI/2 BPSK	25	27		15.44		16.0
10	PI/2 BPSK	50	0		15.47		
10	QPSK	1	1		15.54		16.0
10	QPSK	1	26		15.42		
10	QPSK	1	50		15.40		
10	QPSK	25	0		15.52		16.0
10	QPSK	25	14		15.52		16.0
10	QPSK	25	27		15.44		16.0
10	QPSK	50	0		15.46		
10	16QAM	1	1		15.63		16.0
10	64QAM	1	1		15.79		16.0
10	256QAM	1	1		15.50		16.0
Channel				461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	PI/2 BPSK	1	1	15.80	15.78	15.77	16.0



<FR1 n66\_Ant 0\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	23.45	23.62	23.40	24.0
40	PI/2 BPSK	1	108	23.30	23.39	23.27	
40	PI/2 BPSK	1	214	23.39	23.44	23.30	
40	PI/2 BPSK	108	0	22.74	22.90	22.77	23.5
40	PI/2 BPSK	108	54	23.40	23.41	23.39	24.0
40	PI/2 BPSK	108	108	22.70	22.88	22.77	23.5
40	PI/2 BPSK	216	0	22.83	22.94	22.76	
40	QPSK	1	1	23.18	23.35	23.17	24.0
40	QPSK	1	108	23.31	23.45	23.34	
40	QPSK	1	214	23.35	23.50	23.47	
40	QPSK	108	0	22.29	22.41	22.26	23.0
40	QPSK	108	54	23.40	23.41	23.25	24.0
40	QPSK	108	108	22.36	22.38	22.27	23.0
40	QPSK	216	0	22.44	22.49	22.36	
40	16QAM	1	1	22.30	22.46	22.37	23.0
40	64QAM	1	1	20.63	20.71	20.51	21.5
40	256QAM	1	1	18.96	18.99	18.90	19.5
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	23.44	23.42	23.28	24.0
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	23.29	23.45	23.20	24.0
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	23.29	23.44	23.35	24.0
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	23.39	23.61	23.33	24.0
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	23.28	23.52	23.37	24.0
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	23.40	23.61	23.22	24.0





<FR1 n66\_Ant 2\_Sensor OFF\_NB/TB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	24.0
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	23.45	23.13	23.04	
40	PI/2 BPSK	1	108	23.16	22.84	22.76	23.5
40	PI/2 BPSK	1	214	23.09	22.77	22.69	
40	PI/2 BPSK	108	0	22.93	22.62	22.53	24.0
40	PI/2 BPSK	108	54	23.23	22.91	22.82	
40	PI/2 BPSK	108	108	22.68	22.37	22.28	23.5
40	PI/2 BPSK	216	0	22.80	22.49	22.40	
40	QPSK	1	1	23.25	22.93	22.84	24.0
40	QPSK	1	108	23.24	22.92	22.83	
40	QPSK	1	214	23.16	22.84	22.76	
40	QPSK	108	0	22.44	22.13	22.05	23.0
40	QPSK	108	54	23.28	22.96	22.87	24.0
40	QPSK	108	108	22.17	21.87	21.78	23.0
40	QPSK	216	0	22.26	21.96	21.87	
40	16QAM	1	1	22.42	22.11	22.03	23.0
40	64QAM	1	1	20.76	20.48	20.40	21.5
40	256QAM	1	1	18.64	18.39	18.31	19.5
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	23.35	23.06	22.94	24.0
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	23.37	22.98	22.93	24.0
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	23.39	23.12	23.01	24.0
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	23.34	23.06	22.84	24.0
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	23.42	22.99	22.93	24.0



<FR1 n66\_Ant 0\_Sensor ON\_NB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	21.27	21.35	21.29	21.5
40	PI/2 BPSK	1	108	21.01	21.18	21.08	
40	PI/2 BPSK	1	214	21.18	21.29	21.28	
40	PI/2 BPSK	108	0	21.22	21.23	21.13	21.5
40	PI/2 BPSK	108	54	20.99	21.18	21.03	21.5
40	PI/2 BPSK	108	108	21.21	21.22	21.08	21.5
40	PI/2 BPSK	216	0	21.19	21.27	21.23	
40	QPSK	1	1	21.18	21.27	21.12	21.5
40	QPSK	1	108	21.10	21.21	21.01	
40	QPSK	1	214	21.09	21.29	21.22	
40	QPSK	108	0	21.06	21.22	21.10	21.5
40	QPSK	108	54	21.15	21.21	21.11	21.5
40	QPSK	108	108	21.14	21.25	21.23	21.5
40	QPSK	216	0	21.09	21.25	21.21	
40	16QAM	1	1	21.11	21.24	21.16	21.5
40	64QAM	1	1	20.61	20.67	20.56	21.0
40	256QAM	1	1	18.88	18.95	18.95	19.0
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	21.16	21.32	20.98	21.5
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	21.13	21.26	20.99	21.5
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	21.21	21.15	21.14	21.5
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	21.12	21.34	21.10	21.5
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	21.09	21.28	21.07	21.5
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	21.10	21.31	21.08	21.5



<FR1 n66\_Ant 0\_Sensor ON\_NB>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	18.74	18.49	18.39	19.0
40	PI/2 BPSK	1	108	18.46	18.21	18.12	
40	PI/2 BPSK	1	214	18.38	18.13	18.04	
40	PI/2 BPSK	108	0	18.63	18.38	18.28	19.0
40	PI/2 BPSK	108	54	18.52	18.27	18.17	19.0
40	PI/2 BPSK	108	108	18.40	18.15	18.06	19.0
40	PI/2 BPSK	216	0	18.33	18.09	17.99	
40	QPSK	1	1	18.65	18.40	18.30	19.0
40	QPSK	1	108	18.52	18.27	18.17	
40	QPSK	1	214	18.33	18.09	17.99	
40	QPSK	108	0	18.64	18.39	18.29	19.0
40	QPSK	108	54	18.50	18.25	18.15	19.0
40	QPSK	108	108	18.42	18.17	18.08	19.0
40	QPSK	216	0	18.35	18.11	18.01	
40	16QAM	1	1	18.66	18.41	18.31	19.0
40	64QAM	1	1	18.50	18.25	18.15	19.0
40	256QAM	1	1	18.45	18.20	18.11	19.0
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	18.54	18.35	18.24	19.0
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	18.70	18.34	18.20	19.0
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	18.54	18.39	18.33	19.0
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	18.67	18.33	18.26	19.0
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	18.72	18.43	18.29	19.0
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	18.56	18.44	18.37	19.0