



**Appendix F-2. WWAN hotspot and WLAN/BT Output Power Measurement**

**DSI 5**

<GSM>								
GSM850_Ant 0_DSI 5_Main PA	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	128	189		251	128	189	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.88	32.95	32.85	34.00	23.88	23.95	23.85	25.00
GPRS 1 Tx slot	32.79	32.87	32.81	34.00	23.79	23.87	23.81	25.00
GPRS 2 Tx slots	29.88	29.85	29.82	31.00	23.88	23.85	23.82	25.00
GPRS 3 Tx slots	28.14	27.91	28.06	29.20	23.88	23.65	23.80	24.94
GPRS 4 Tx slots	26.85	26.99	26.74	28.00	23.85	23.99	23.74	25.00
EDGE 1 Tx slot	26.99	27.01	26.93	28.00	17.99	18.01	17.93	19.00
EDGE 2 Tx slots	23.83	23.89	23.75	25.00	17.83	17.89	17.75	19.00
EDGE 3 Tx slots	21.70	21.59	21.49	23.00	17.44	17.33	17.23	18.74
EDGE 4 Tx slots	19.87	19.87	19.72	21.00	16.87	16.87	16.72	18.00

<GSM>								
GSM850_Ant 1_DSI 5_Main PA	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	128	189		251	128	189	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	28.21	28.08	27.97	29.50	19.21	19.08	18.97	20.50
GPRS 1 Tx slot	28.15	27.98	27.90	29.50	19.15	18.98	18.90	20.50
GPRS 2 Tx slots	25.25	25.08	24.97	26.50	19.25	19.08	18.97	20.50
GPRS 3 Tx slots	23.47	23.33	23.19	24.70	19.21	19.07	18.93	20.44
GPRS 4 Tx slots	22.20	22.31	21.91	23.50	19.20	19.31	18.91	20.50
EDGE 1 Tx slot	22.18	22.29	22.32	23.50	13.18	13.29	13.32	14.50
EDGE 2 Tx slots	19.01	18.97	19.05	20.00	13.01	12.97	13.05	14.00
EDGE 3 Tx slots	16.88	17.11	17.01	18.00	12.62	12.85	12.75	13.74
EDGE 4 Tx slots	15.16	15.18	15.17	16.00	12.16	12.18	12.17	13.00

<GSM>								
GSM1900_Ant 2_DSI 5_Main PA	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	512	661		810	512	661	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	27.20	27.31	27.21	28.00	18.20	18.31	18.21	19.00
GPRS 1 Tx slot	27.25	27.34	27.29	28.00	18.25	18.34	18.29	19.00
GPRS 2 Tx slots	24.18	24.25	24.20	25.00	18.18	18.25	18.20	19.00
GPRS 3 Tx slots	22.45	22.52	22.45	23.20	18.19	18.26	18.19	18.94
GPRS 4 Tx slots	21.38	21.36	21.22	22.00	18.38	18.36	18.22	19.00
EDGE 1 Tx slot	22.91	22.84	22.84	23.00	13.91	13.84	13.84	14.00
EDGE 2 Tx slots	19.51	19.52	19.45	20.00	13.51	13.52	13.45	14.00
EDGE 3 Tx slots	17.17	17.15	17.17	17.50	12.91	12.89	12.91	13.24
EDGE 4 Tx slots	15.44	15.26	15.31	15.50	12.44	12.26	12.31	12.50



<b>&lt;GSM&gt;</b>								
GSM1900_Ant 5_DSI 5_Main PA	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	512	661		810	512	661	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.61	29.68	29.51	30.00	20.61	20.68	20.51	21.00
GPRS 1 Tx slot	29.45	29.68	29.58	30.00	20.45	20.68	20.58	21.00
GPRS 2 Tx slots	26.58	26.74	26.63	27.00	20.58	20.74	20.63	21.00
GPRS 3 Tx slots	24.82	24.95	24.84	25.20	20.56	20.69	20.58	20.94
GPRS 4 Tx slots	23.69	23.70	23.55	24.00	20.69	20.70	20.55	21.00
EDGE 1 Tx slot	25.01	25.25	24.98	25.50	16.01	16.25	15.98	16.50
EDGE 2 Tx slots	21.78	21.85	21.49	22.00	15.78	15.85	15.49	16.00
EDGE 3 Tx slots	19.38	19.47	19.01	20.00	15.12	15.21	14.75	15.74
EDGE 4 Tx slots	17.55	17.56	17.28	18.00	14.55	14.56	14.28	15.00

<b>&lt;WCDMA&gt;</b>					
Band		WCDMA V_Ant 0_DSI 5_Main PA			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	24.12	24.19	24.09	25.00
3GPP Rel 99	RMC 12.2Kbps	24.15	24.21	24.11	25.00
3GPP Rel 6	HSDPA Subtest-1	23.01	23.07	22.97	24.00
3GPP Rel 6	HSDPA Subtest-2	23.02	23.08	22.99	24.00
3GPP Rel 6	HSDPA Subtest-3	22.64	22.65	22.57	23.50
3GPP Rel 6	HSDPA Subtest-4	22.58	22.65	22.53	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.03	23.08	22.99	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.01	23.07	23.00	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.61	22.63	22.60	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.55	22.69	22.53	23.50
3GPP Rel 6	HSUPA Subtest-1	23.02	23.08	22.98	24.00
3GPP Rel 6	HSUPA Subtest-2	21.03	21.11	20.98	22.00
3GPP Rel 6	HSUPA Subtest-3	21.96	22.11	21.93	23.00
3GPP Rel 6	HSUPA Subtest-4	21.04	21.10	20.99	22.00
3GPP Rel 6	HSUPA Subtest-5	23.01	23.07	22.97	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.53	20.58	20.44	21.50



<WCDMA>					
Band		WCDMA V_Ant 1_DSI 5_Main PA			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	18.40	18.56	18.33	20.00
3GPP Rel 99	RMC 12.2Kbps	18.42	18.58	18.36	20.00
3GPP Rel 6	HSDPA Subtest-1	17.39	17.52	17.29	19.00
3GPP Rel 6	HSDPA Subtest-2	17.42	17.48	17.35	19.00
3GPP Rel 6	HSDPA Subtest-3	16.86	17.03	16.85	18.50
3GPP Rel 6	HSDPA Subtest-4	16.83	17.07	16.86	18.50
3GPP Rel 8	DC-HSDPA Subtest-1	17.42	17.48	17.32	19.00
3GPP Rel 8	DC-HSDPA Subtest-2	17.39	17.51	17.28	19.00
3GPP Rel 8	DC-HSDPA Subtest-3	16.86	17.08	16.85	18.50
3GPP Rel 8	DC-HSDPA Subtest-4	16.91	17.00	16.85	18.50
3GPP Rel 6	HSUPA Subtest-1	17.32	17.55	17.34	19.00
3GPP Rel 6	HSUPA Subtest-2	15.35	15.54	15.29	17.00
3GPP Rel 6	HSUPA Subtest-3	16.36	16.56	16.31	18.00
3GPP Rel 6	HSUPA Subtest-4	15.36	15.51	15.32	17.00
3GPP Rel 6	HSUPA Subtest-5	17.35	17.56	17.28	19.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	15.52	15.68	15.44	16.50

<WCDMA>									
Band		WCDMA II_Ant 2_DSI 5_Main PA			Tune-up Limit (dBm)	WCDMA IV_Ant 2_DSI 5_Main PA			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	17.61	17.69	17.56	18.50	17.65	17.78	17.76	18.50
3GPP Rel 99	RMC 12.2Kbps	17.64	17.72	17.59	18.50	17.71	17.82	17.79	18.50
3GPP Rel 6	HSDPA Subtest-1	16.55	16.68	16.49	17.50	16.64	16.81	16.75	17.50
3GPP Rel 6	HSDPA Subtest-2	16.64	16.65	16.51	17.50	16.70	16.80	16.73	17.50
3GPP Rel 6	HSDPA Subtest-3	16.13	16.20	16.07	17.00	16.18	16.30	16.29	17.00
3GPP Rel 6	HSDPA Subtest-4	16.05	16.20	16.05	17.00	16.19	16.25	16.21	17.00
3GPP Rel 8	DC-HSDPA Subtest-1	16.62	16.65	16.50	17.50	16.62	16.80	16.72	17.50
3GPP Rel 8	DC-HSDPA Subtest-2	16.60	16.64	16.53	17.50	16.64	16.82	16.78	17.50
3GPP Rel 8	DC-HSDPA Subtest-3	16.13	16.17	16.06	17.00	16.13	16.22	16.29	17.00
3GPP Rel 8	DC-HSDPA Subtest-4	16.08	16.14	16.01	17.00	16.17	16.28	16.26	17.00
3GPP Rel 6	HSUPA Subtest-1	16.61	16.69	16.58	17.50	16.63	16.79	16.78	17.50
3GPP Rel 6	HSUPA Subtest-2	14.70	14.74	14.50	15.50	14.61	14.79	14.79	15.50
3GPP Rel 6	HSUPA Subtest-3	15.58	15.63	15.58	16.50	15.62	15.81	15.74	16.50
3GPP Rel 6	HSUPA Subtest-4	14.56	14.71	14.54	15.50	14.63	14.78	14.72	15.50
3GPP Rel 6	HSUPA Subtest-5	16.56	16.67	16.55	17.50	16.66	16.82	16.73	17.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	14.09	14.22	14.00	15.00	14.14	14.23	14.20	15.00



<WCDMA>									
Band		WCDMA II_Ant 5_DSI 5_Main PA			Tune-up Limit (dBm)	WCDMA IV_Ant 5_DSI 5_Main PA			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	20.52	20.71	20.58	22.00	21.59	21.58	21.55	23.20
3GPP Rel 99	RMC 12.2Kbps	20.72	20.81	20.76	22.00	21.71	21.75	21.68	23.20
3GPP Rel 6	HSDPA Subtest-1	19.72	19.80	19.76	21.00	20.67	20.67	20.59	22.20
3GPP Rel 6	HSDPA Subtest-2	19.65	19.76	19.76	21.00	20.64	20.65	20.64	22.20
3GPP Rel 6	HSDPA Subtest-3	19.14	19.24	19.16	20.50	20.20	20.18	20.08	21.70
3GPP Rel 6	HSDPA Subtest-4	19.12	19.24	19.26	20.50	20.19	20.20	20.16	21.70
3GPP Rel 8	DC-HSDPA Subtest-1	19.70	19.78	19.68	21.00	20.66	20.75	20.60	22.20
3GPP Rel 8	DC-HSDPA Subtest-2	19.63	19.75	19.76	21.00	20.68	20.75	20.67	22.20
3GPP Rel 8	DC-HSDPA Subtest-3	19.13	19.26	19.23	20.50	20.14	20.16	20.15	21.70
3GPP Rel 8	DC-HSDPA Subtest-4	19.20	19.30	19.26	20.50	20.12	20.19	20.08	21.70
3GPP Rel 6	HSUPA Subtest-1	19.72	19.77	19.72	21.00	20.61	20.65	20.63	22.20
3GPP Rel 6	HSUPA Subtest-2	17.67	17.75	17.74	19.00	18.70	18.70	18.65	20.20
3GPP Rel 6	HSUPA Subtest-3	18.66	18.77	18.73	20.00	19.69	19.68	19.65	21.20
3GPP Rel 6	HSUPA Subtest-4	17.67	17.77	17.71	19.00	18.63	18.72	18.61	20.20
3GPP Rel 6	HSUPA Subtest-5	19.66	19.73	19.73	21.00	20.67	20.74	20.60	22.20
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	17.14	17.27	17.21	18.50	18.15	18.23	18.15	19.70



**<LTE Band 2\_Ant 2\_DSI 5\_Main PA>**

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	19.5
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	18.65	18.75	18.71	19.5
20	QPSK	1	49	18.54	18.64	18.61	
20	QPSK	1	99	18.49	18.58	18.54	
20	QPSK	50	0	18.63	18.74	18.69	19.5
20	QPSK	50	24	18.52	18.61	18.59	
20	QPSK	50	50	18.47	18.55	18.53	
20	QPSK	100	0	18.62	18.72	18.70	19.5
20	16QAM	1	0	18.56	18.67	18.62	
20	16QAM	1	49	18.46	18.55	18.55	
20	16QAM	1	99	18.44	18.48	18.48	19.5
20	16QAM	50	0	18.57	18.66	18.64	
20	16QAM	50	24	18.44	18.52	18.49	
20	16QAM	50	50	18.41	18.49	18.47	19.5
20	16QAM	100	0	18.54	18.67	18.60	
20	64QAM	1	0	18.60	18.70	18.63	
20	64QAM	1	49	18.46	18.59	18.51	19.5
20	64QAM	1	99	18.39	18.48	18.46	
20	64QAM	50	0	18.55	18.66	18.60	
20	64QAM	50	24	18.43	18.52	18.49	19.5
20	64QAM	50	50	18.41	18.50	18.48	
20	64QAM	100	0	18.56	18.64	18.62	
20	256QAM	1	0	18.58	18.70	18.61	19.5
20	256QAM	1	49	18.48	18.56	18.55	
20	256QAM	1	99	18.44	18.50	18.47	
20	256QAM	50	0	18.54	18.68	18.64	19.5
20	256QAM	50	24	18.47	18.53	18.54	
20	256QAM	50	50	18.39	18.49	18.46	
20	256QAM	100	0	18.54	18.65	18.63	19.5
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	18.53	18.61	18.56	19.5
Channel				18650	18900	19150	19.5
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	18.53	18.60	18.58	19.5
Channel				18625	18900	19175	19.5
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	18.45	18.63	18.54	19.5
Channel				18615	18900	19185	19.5
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	18.45	18.55	18.56	19.5
Channel				18607	18900	19193	19.5
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	18.47	18.57	18.55	19.5



<LTE Band 2\_Ant 3\_DSI 5\_Main PA>

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	18
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	16.33	16.44	16.27	18
20	QPSK	1	49	16.26	16.37	16.18	
20	QPSK	1	99	16.24	16.37	16.21	
20	QPSK	50	0	16.29	16.39	16.25	18
20	QPSK	50	24	16.19	16.31	16.18	
20	QPSK	50	50	16.23	16.31	16.17	
20	QPSK	100	0	16.31	16.40	16.24	18
20	16QAM	1	0	16.26	16.37	16.18	
20	16QAM	1	49	16.17	16.32	16.10	
20	16QAM	1	99	16.14	16.27	16.15	18
20	16QAM	50	0	16.20	16.30	16.15	
20	16QAM	50	24	16.14	16.24	16.11	
20	16QAM	50	50	16.14	16.22	16.12	18
20	16QAM	100	0	16.24	16.32	16.19	
20	64QAM	1	0	16.27	16.36	16.22	
20	64QAM	1	49	16.16	16.31	16.11	18
20	64QAM	1	99	16.19	16.27	16.16	
20	64QAM	50	0	16.22	16.31	16.19	
20	64QAM	50	24	16.12	16.21	16.08	18
20	64QAM	50	50	16.17	16.22	16.07	
20	64QAM	100	0	16.24	16.34	16.18	
20	256QAM	1	0	16.23	16.36	16.22	18
20	256QAM	1	49	16.21	16.32	16.10	
20	256QAM	1	99	16.17	16.29	16.14	
20	256QAM	50	0	16.21	16.29	16.15	18
20	256QAM	50	24	16.10	16.22	16.11	
20	256QAM	50	50	16.13	16.24	16.10	
20	256QAM	100	0	16.21	16.34	16.19	
Channel				18675	18900	19125	18
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	16.18	16.25	16.16	
Channel				18650	18900	19150	18
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	16.15	16.27	16.13	
Channel				18625	18900	19175	18
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	16.15	16.34	16.07	
Channel				18615	18900	19185	18
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	16.18	16.31	16.09	
Channel				18607	18900	19193	18
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	16.13	16.28	16.13	



<LTE Band 2\_Ant 4\_DSI 5\_Main PA>

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	18.5
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	17.03	17.19	17.11	18.5
20	QPSK	1	49	16.89	17.01	16.98	
20	QPSK	1	99	16.93	17.08	17.00	
20	QPSK	50	0	17.00	17.11	17.05	18.5
20	QPSK	50	24	16.80	16.91	16.95	
20	QPSK	50	50	16.86	16.97	16.93	
20	QPSK	100	0	17.01	17.12	17.08	18.5
20	16QAM	1	0	16.84	17.09	16.98	
20	16QAM	1	49	16.69	16.89	16.84	
20	16QAM	1	99	16.82	16.88	16.81	18.5
20	16QAM	50	0	16.87	16.97	16.87	
20	16QAM	50	24	16.70	16.76	16.77	
20	16QAM	50	50	16.74	16.77	16.75	18.5
20	16QAM	100	0	16.88	16.97	16.94	
20	64QAM	1	0	16.84	17.00	16.98	
20	64QAM	1	49	16.78	16.81	16.82	18.5
20	64QAM	1	99	16.77	16.92	16.80	
20	64QAM	50	0	16.84	17.01	16.88	
20	64QAM	50	24	16.65	16.74	16.80	18.5
20	64QAM	50	50	16.72	16.78	16.81	
20	64QAM	100	0	16.85	16.98	16.92	
20	256QAM	1	0	16.93	17.01	16.96	18.5
20	256QAM	1	49	16.74	16.87	16.81	
20	256QAM	1	99	16.83	16.94	16.86	
20	256QAM	50	0	16.89	17.00	16.95	18.5
20	256QAM	50	24	16.61	16.71	16.81	
20	256QAM	50	50	16.67	16.77	16.82	
20	256QAM	100	0	16.85	16.93	16.90	18.5
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	16.86	17.05	16.94	18.5
Channel				18650	18900	19150	18.5
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	16.91	17.04	16.98	18.5
Channel				18625	18900	19175	18.5
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	16.93	17.09	16.95	18.5
Channel				18615	18900	19185	18.5
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	16.85	17.03	16.98	18.5
Channel				18607	18900	19193	18.5
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	16.83	17.05	16.99	18.5



<LTE Band 2\_Ant 5\_DSI 5\_Main PA>

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	22
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	20.63	20.75	20.68	22
20	QPSK	1	49	20.46	20.55	20.55	
20	QPSK	1	99	20.47	20.64	20.49	
20	QPSK	50	0	20.47	20.55	20.55	22
20	QPSK	50	24	20.48	20.59	20.51	
20	QPSK	50	50	20.51	20.62	20.55	
20	QPSK	100	0	20.42	20.52	20.47	22
20	16QAM	1	0	20.55	20.68	20.58	
20	16QAM	1	49	20.40	20.45	20.47	
20	16QAM	1	99	20.37	20.57	20.41	22
20	16QAM	50	0	20.39	20.47	20.47	
20	16QAM	50	24	20.40	20.54	20.44	
20	16QAM	50	50	20.44	20.53	20.50	22
20	16QAM	100	0	20.34	20.47	20.39	
20	64QAM	1	0	20.58	20.67	20.60	
20	64QAM	1	49	20.40	20.45	20.49	22
20	64QAM	1	99	20.39	20.58	20.42	
20	64QAM	50	0	20.39	20.47	20.47	
20	64QAM	50	24	20.41	20.53	20.45	22
20	64QAM	50	50	20.46	20.54	20.47	
20	64QAM	100	0	20.33	20.45	20.38	
20	256QAM	1	0	18.56	18.74	18.67	20
20	256QAM	1	49	18.42	18.52	18.53	
20	256QAM	1	99	18.43	18.57	18.48	
20	256QAM	50	0	18.41	18.51	18.55	20
20	256QAM	50	24	18.48	18.59	18.42	
20	256QAM	50	50	18.44	18.60	18.48	
20	256QAM	100	0	18.42	18.46	18.45	22
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	20.52	20.63	20.51	22
Channel				18650	18900	19150	22
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	20.45	20.65	20.48	22
Channel				18625	18900	19175	22
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	20.49	20.60	20.56	22
Channel				18615	18900	19185	22
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	20.45	20.58	20.53	22
Channel				18607	18900	19193	22
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	20.53	20.57	20.48	22





**<LTE Band 4\_Ant 2\_DSI 5\_Main PA>**

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	18.7
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	18.29	18.44	18.32	
20	QPSK	1	49	18.20	18.43	18.22	18.7
20	QPSK	1	99	18.25	18.42	18.25	
20	QPSK	50	0	18.24	18.40	18.30	
20	QPSK	50	24	18.22	18.35	18.28	18.7
20	QPSK	50	50	18.21	18.32	18.30	
20	QPSK	100	0	18.33	18.41	18.39	
20	16QAM	1	0	18.20	18.36	18.25	18.7
20	16QAM	1	49	18.15	18.36	18.16	
20	16QAM	1	99	18.16	18.37	18.18	
20	16QAM	50	0	18.17	18.35	18.24	18.7
20	16QAM	50	24	18.17	18.30	18.20	
20	16QAM	50	50	18.14	18.24	18.22	
20	16QAM	100	0	18.28	18.36	18.30	18.7
20	64QAM	1	0	18.22	18.38	18.25	
20	64QAM	1	49	18.10	18.34	18.14	
20	64QAM	1	99	18.16	18.34	18.16	18.7
20	64QAM	50	0	18.16	18.31	18.22	
20	64QAM	50	24	18.14	18.25	18.22	
20	64QAM	50	50	18.12	18.26	18.20	18.7
20	64QAM	100	0	18.27	18.32	18.34	
20	256QAM	1	0	18.22	18.37	18.22	
20	256QAM	1	49	18.13	18.37	18.12	18.7
20	256QAM	1	99	18.16	18.36	18.17	
20	256QAM	50	0	18.17	18.33	18.23	
20	256QAM	50	24	18.17	18.26	18.20	18.7
20	256QAM	50	50	18.13	18.27	18.21	
20	256QAM	100	0	18.26	18.36	18.33	
Channel				20025	20175	20325	18.7
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	18.18	18.27	18.15	18.7
Channel				20000	20175	20350	18.7
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	18.14	18.30	18.15	18.7
Channel				19975	20175	20375	18.7
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	18.14	18.26	18.12	18.7
Channel				19965	20175	20385	18.7
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	18.11	18.15	18.13	18.7
Channel				19957	20175	20393	18.7
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	18.17	18.34	18.17	18.7



<LTE Band 4\_Ant 2\_DSI 5\_Other PA>

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	17.5
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	16.19	16.23	16.14	17.5
20	QPSK	1	49	16.12	16.16	16.06	
20	QPSK	1	99	16.11	16.14	16.06	
20	QPSK	50	0	16.18	16.22	16.13	17.5
20	QPSK	50	24	16.12	16.18	16.08	
20	QPSK	50	50	16.10	16.17	16.06	
20	QPSK	100	0	16.12	16.18	16.04	17.5
20	16QAM	1	0	16.12	16.13	16.06	
20	16QAM	1	49	16.07	16.06	15.99	
20	16QAM	1	99	16.01	16.06	15.96	17.5
20	16QAM	50	0	16.08	16.17	16.03	
20	16QAM	50	24	16.02	16.09	16.00	
20	16QAM	50	50	16.03	16.07	15.98	17.5
20	16QAM	100	0	16.02	16.10	15.98	
20	64QAM	1	0	16.10	16.18	16.08	
20	64QAM	1	49	16.06	16.08	16.01	17.5
20	64QAM	1	99	16.03	16.08	15.97	
20	64QAM	50	0	16.08	16.17	16.07	
20	64QAM	50	24	16.07	16.13	16.02	17.5
20	64QAM	50	50	16.02	16.10	16.00	
20	64QAM	100	0	16.05	16.13	15.96	
20	256QAM	1	0	16.12	16.16	16.06	17.5
20	256QAM	1	49	16.02	16.11	15.97	
20	256QAM	1	99	16.04	16.04	15.97	
20	256QAM	50	0	16.13	16.13	16.08	17.5
20	256QAM	50	24	16.06	16.08	15.98	
20	256QAM	50	50	16.02	16.11	15.98	
20	256QAM	100	0	16.06	16.08	15.96	17.5
Channel				20025	20175	20325	
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	16.05	16.11	15.95	17.5
Channel				20000	20175	20350	17.5
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	16.01	16.02	15.94	17.5
Channel				19975	20175	20375	17.5
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	16.04	16.13	15.94	17.5
Channel				19965	20175	20385	17.5
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	16.00	16.10	15.96	17.5
Channel				19957	20175	20393	17.5
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	16.04	16.11	15.96	17.5



<LTE Band 4\_Ant 3\_DSI 5\_Main PA>

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	17.7
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	16.63	16.72	16.67	17.7
20	QPSK	1	49	16.57	16.65	16.61	
20	QPSK	1	99	16.58	16.66	16.57	
20	QPSK	50	0	16.62	16.69	16.65	17.7
20	QPSK	50	24	16.57	16.66	16.61	
20	QPSK	50	50	16.57	16.63	16.60	
20	QPSK	100	0	16.59	16.68	16.64	17.7
20	16QAM	1	0	16.55	16.65	16.59	
20	16QAM	1	49	16.48	16.60	16.54	
20	16QAM	1	99	16.48	16.56	16.47	17.7
20	16QAM	50	0	16.55	16.60	16.55	
20	16QAM	50	24	16.48	16.57	16.53	
20	16QAM	50	50	16.52	16.55	16.54	17.7
20	16QAM	100	0	16.51	16.58	16.59	
20	64QAM	1	0	16.57	16.65	16.60	
20	64QAM	1	49	16.49	16.56	16.55	17.7
20	64QAM	1	99	16.50	16.56	16.49	
20	64QAM	50	0	16.52	16.62	16.60	
20	64QAM	50	24	16.47	16.61	16.54	17.7
20	64QAM	50	50	16.48	16.58	16.55	
20	64QAM	100	0	16.52	16.60	16.58	
20	256QAM	1	0	16.55	16.65	16.58	17.7
20	256QAM	1	49	16.52	16.60	16.51	
20	256QAM	1	99	16.49	16.61	16.49	
20	256QAM	50	0	16.54	16.60	16.56	17.7
20	256QAM	50	24	16.47	16.57	16.55	
20	256QAM	50	50	16.51	16.55	16.51	
20	256QAM	100	0	16.54	16.60	16.55	17.7
Channel				20025	20175	20325	
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	16.50	16.58	16.50	17.7
Channel				20000	20175	20350	17.7
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	16.52	16.60	16.56	17.7
Channel				19975	20175	20375	17.7
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	16.48	16.58	16.49	17.7
Channel				19965	20175	20385	17.7
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	16.49	16.58	16.47	17.7
Channel				19957	20175	20393	17.7
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	16.44	16.60	16.53	17.7



<LTE Band 4\_Ant 3\_DSI 5\_Other PA>

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	17.7
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	17.03	17.07	17.05	17.7
20	QPSK	1	49	16.97	17.00	16.99	
20	QPSK	1	99	16.96	17.02	17.00	
20	QPSK	50	0	17.02	17.05	17.02	17.7
20	QPSK	50	24	16.94	16.99	16.98	
20	QPSK	50	50	16.96	16.97	16.99	
20	QPSK	100	0	17.01	17.04	17.00	17.7
20	16QAM	1	0	16.97	16.99	16.99	
20	16QAM	1	49	16.88	16.94	16.93	
20	16QAM	1	99	16.86	16.92	16.91	17.7
20	16QAM	50	0	16.93	16.98	16.95	
20	16QAM	50	24	16.84	16.90	16.92	
20	16QAM	50	50	16.91	16.91	16.92	17.7
20	16QAM	100	0	16.92	16.95	16.92	
20	64QAM	1	0	16.93	17.01	17.00	
20	64QAM	1	49	16.89	16.91	16.91	17.7
20	64QAM	1	99	16.88	16.95	16.91	
20	64QAM	50	0	16.92	16.95	16.92	
20	64QAM	50	24	16.89	16.90	16.93	17.7
20	64QAM	50	50	16.89	16.87	16.91	
20	64QAM	100	0	16.96	16.98	16.95	
20	256QAM	1	0	16.95	16.97	16.98	17.7
20	256QAM	1	49	16.88	16.95	16.89	
20	256QAM	1	99	16.90	16.93	16.94	
20	256QAM	50	0	16.93	16.99	16.97	17.7
20	256QAM	50	24	16.87	16.93	16.92	
20	256QAM	50	50	16.89	16.87	16.89	
20	256QAM	100	0	16.96	16.94	16.92	17.7
Channel				20025	20175	20325	
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	16.88	16.95	16.95	17.7
Channel				20000	20175	20350	17.7
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	16.85	16.90	16.86	17.7
Channel				19975	20175	20375	17.7
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	16.93	16.92	16.86	17.7
Channel				19965	20175	20385	17.7
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	16.86	16.95	16.89	17.7
Channel				19957	20175	20393	17.7
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	16.86	16.87	16.86	17.7



**<LTE Band 4\_Ant 4\_DSI 5\_Main PA>**

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	24
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	22.48	22.55	22.41	24
20	QPSK	1	49	22.42	22.39	22.31	
20	QPSK	1	99	22.46	22.51	22.35	
20	QPSK	50	0	21.84	21.94	21.74	23
20	QPSK	50	24	21.66	21.74	21.59	
20	QPSK	50	50	21.84	21.92	21.73	
20	QPSK	100	0	21.64	21.79	21.64	23
20	16QAM	1	0	21.86	21.95	21.76	
20	16QAM	1	49	21.42	21.55	21.32	
20	16QAM	1	99	21.38	21.45	21.40	22
20	16QAM	50	0	20.40	20.54	20.32	
20	16QAM	50	24	20.44	20.55	20.31	
20	16QAM	50	50	20.46	20.51	20.37	22
20	16QAM	100	0	20.44	20.48	20.36	
20	64QAM	1	0	20.49	20.63	20.41	
20	64QAM	1	49	20.44	20.50	20.31	22
20	64QAM	1	99	20.38	20.52	20.35	
20	64QAM	50	0	19.43	19.49	19.41	
20	64QAM	50	24	19.48	19.54	19.38	21
20	64QAM	50	50	19.38	19.52	19.40	
20	64QAM	100	0	19.47	19.48	19.37	
20	256QAM	1	0	17.63	17.78	17.64	19
20	256QAM	1	49	17.48	17.48	17.31	
20	256QAM	1	99	17.44	17.52	17.34	
20	256QAM	50	0	17.38	17.55	17.41	19
20	256QAM	50	24	17.38	17.53	17.37	
20	256QAM	50	50	17.43	17.46	17.31	
20	256QAM	100	0	17.44	17.51	17.38	
Channel				20025	20175	20325	24
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	22.44	22.51	22.39	24
Channel				20000	20175	20350	24
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	22.38	22.53	22.39	24
Channel				19975	20175	20375	24
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	22.42	22.45	22.37	24
Channel				19965	20175	20385	24
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	22.43	22.45	22.37	24
Channel				19957	20175	20393	24
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	22.44	22.53	22.37	24



<LTE Band 4\_Ant 5\_DSI 5\_Main PA>

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	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	22.73	22.79	22.68	23.7
20	QPSK	1	49	22.62	22.60	22.54	
20	QPSK	1	99	22.53	22.67	22.51	
20	QPSK	50	0	22.58	22.62	22.55	23.7
20	QPSK	50	24	22.47	22.44	22.42	
20	QPSK	50	50	22.38	22.45	22.45	
20	QPSK	100	0	22.61	22.68	22.58	23.7
20	16QAM	1	0	22.67	22.71	22.61	
20	16QAM	1	49	22.56	22.51	22.47	
20	16QAM	1	99	22.43	22.59	22.43	23.7
20	16QAM	50	0	22.49	22.53	22.45	
20	16QAM	50	24	22.39	22.35	22.36	
20	16QAM	50	50	22.31	22.35	22.38	23.7
20	16QAM	100	0	22.53	22.58	22.50	
20	64QAM	1	0	22.64	22.72	22.58	
20	64QAM	1	49	22.56	22.51	22.49	23.7
20	64QAM	1	99	22.44	22.58	22.43	
20	64QAM	50	0	22.51	22.57	22.50	
20	64QAM	50	24	22.40	22.35	22.36	22.7
20	64QAM	50	50	22.31	22.38	22.36	
20	64QAM	100	0	22.54	22.63	22.48	
20	256QAM	1	0	19.63	19.77	19.58	20.7
20	256QAM	1	49	19.54	19.60	19.46	
20	256QAM	1	99	19.44	19.67	19.41	
20	256QAM	50	0	19.49	19.58	19.50	20.7
20	256QAM	50	24	19.39	19.34	19.36	
20	256QAM	50	50	19.35	19.44	19.42	
20	256QAM	100	0	19.59	19.64	19.55	
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	22.62	22.69	22.58	23.7
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	22.53	22.59	22.52	23.7
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	22.59	22.69	22.58	23.7
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	22.60	22.65	22.53	23.7
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	22.57	22.64	22.49	23.7



<LTE Band 4\_Ant 5\_DSI 5\_Other PA>

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	Tune-up limit (dBm)
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	23.16	23.24	23.19	23.5
20	QPSK	1	49	22.97	23.04	23.00	
20	QPSK	1	99	22.98	23.07	23.07	
20	QPSK	50	0	23.01	23.08	23.01	23.5
20	QPSK	50	24	22.87	22.97	22.86	
20	QPSK	50	50	22.82	22.90	22.81	
20	QPSK	100	0	23.00	23.11	23.07	23.5
20	16QAM	1	0	23.01	23.09	23.07	
20	16QAM	1	49	22.79	22.94	22.87	
20	16QAM	1	99	22.85	22.93	22.93	23.5
20	16QAM	50	0	22.82	22.95	22.83	
20	16QAM	50	24	22.76	22.82	22.66	
20	16QAM	50	50	22.70	22.76	22.68	23.5
20	16QAM	100	0	22.82	22.92	22.97	
20	64QAM	1	0	22.99	23.13	23.08	
20	64QAM	1	49	22.84	22.86	22.88	23.5
20	64QAM	1	99	22.85	22.92	22.90	
20	64QAM	50	0	21.94	22.07	21.92	
20	64QAM	50	24	21.79	21.95	21.84	22.5
20	64QAM	50	50	21.82	21.89	21.77	
20	64QAM	100	0	21.92	22.04	22.07	
20	256QAM	1	0	20.13	20.15	20.15	20.5
20	256QAM	1	49	19.89	19.98	19.96	
20	256QAM	1	99	19.98	20.05	20.06	
20	256QAM	50	0	20.00	20.00	19.95	20.5
20	256QAM	50	24	19.86	19.91	19.77	
20	256QAM	50	50	19.81	19.86	19.75	
20	256QAM	100	0	19.93	20.03	19.98	Tune-up limit (dBm)
Channel				20025	20175	20325	
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	22.98	23.09	23.07	23.5
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	23.05	23.14	23.02	23.5
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	23.01	23.05	23.00	23.5
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	22.97	23.12	23.04	23.5
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	23.05	23.07	23.00	23.5



<LTE Band 5\_Ant 0\_DSI 5\_Main PA>

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	24.7
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	23.86	24.03	23.95	24.7
10	QPSK	1	25	23.67	23.89	23.79	
10	QPSK	1	49	23.69	23.86	23.83	
10	QPSK	25	0	23.81	23.99	23.87	24.7
10	QPSK	25	12	23.66	23.84	23.77	
10	QPSK	25	25	23.69	23.85	23.75	
10	QPSK	50	0	23.74	23.86	23.77	
10	16QAM	1	0	23.66	23.87	23.75	24.7
10	16QAM	1	25	23.56	23.76	23.67	
10	16QAM	1	49	23.56	23.66	23.73	
10	16QAM	25	0	22.63	22.79	22.68	23.7
10	16QAM	25	12	22.47	22.73	22.66	
10	16QAM	25	25	22.49	22.72	22.64	
10	16QAM	50	0	22.57	22.73	22.66	
10	64QAM	1	0	22.69	22.90	22.79	23.7
10	64QAM	1	25	22.53	22.73	22.64	
10	64QAM	1	49	22.52	22.69	22.67	
10	64QAM	25	0	21.63	21.89	21.71	22.7
10	64QAM	25	12	21.53	21.66	21.66	
10	64QAM	25	25	21.53	21.70	21.61	
10	64QAM	50	0	21.55	21.75	21.63	
10	256QAM	1	0	19.81	20.00	19.94	20.7
10	256QAM	1	25	19.61	19.86	19.78	
10	256QAM	1	49	19.60	19.84	19.76	
10	256QAM	25	0	19.80	19.91	19.83	20.7
10	256QAM	25	12	19.57	19.75	19.75	
10	256QAM	25	25	19.63	19.76	19.69	
10	256QAM	50	0	19.73	19.79	19.71	
Channel				20425	20525	20625	24.7
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	23.70	23.91	23.85	24.7
Channel				20415	20525	20635	24.7
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	23.68	23.89	23.84	24.7
Channel				20407	20525	20643	24.7
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	23.70	23.90	23.80	24.7





<LTE Band 5\_Ant 0\_DSI 5\_Other PA>

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	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	24.22	24.31	24.20	24.5
10	QPSK	1	25	24.05	24.25	24.15	
10	QPSK	1	49	24.06	24.19	24.04	
10	QPSK	25	0	24.15	24.25	24.15	24.5
10	QPSK	25	12	23.95	24.12	23.92	
10	QPSK	25	25	24.06	24.22	24.02	
10	QPSK	50	0	24.06	24.22	24.04	24.5
10	16QAM	1	0	24.17	24.30	24.14	
10	16QAM	1	25	24.04	24.23	24.13	
10	16QAM	1	49	24.02	24.18	24.04	23.5
10	16QAM	25	0	23.00	23.15	23.02	
10	16QAM	25	12	22.90	23.04	22.85	
10	16QAM	25	25	23.01	23.12	23.01	23.5
10	16QAM	50	0	22.99	23.17	23.04	
10	64QAM	1	0	23.28	23.40	23.27	
10	64QAM	1	25	23.22	23.33	23.15	23.5
10	64QAM	1	49	23.10	23.28	23.16	
10	64QAM	25	0	21.92	22.08	21.95	
10	64QAM	25	12	21.85	21.97	21.84	22.5
10	64QAM	25	25	21.95	22.10	21.96	
10	64QAM	50	0	21.96	22.08	21.88	
10	256QAM	1	0	19.92	20.10	19.94	20.5
10	256QAM	1	25	19.92	20.06	19.90	
10	256QAM	1	49	19.83	20.01	19.91	
10	256QAM	25	0	20.03	20.22	20.06	20.5
10	256QAM	25	12	20.02	20.12	19.96	
10	256QAM	25	25	20.03	20.16	19.98	
10	256QAM	50	0	20.01	20.13	19.93	Tune-up limit (dBm)
Channel				20425	20525	20625	
Frequency (MHz)				826.5	836.5	846.5	Tune-up limit (dBm)
5	QPSK	1	0	24.06	24.11	24.00	
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	24.07	24.12	24.10	24.5
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	24.12	24.19	24.04	24.5



**<LTE Band 5\_Ant 1\_DSI 5\_Main PA>**

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	20.2
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	18.83	19.03	18.94	20.2
10	QPSK	1	25	18.69	18.84	18.80	
10	QPSK	1	49	18.70	18.92	18.74	
10	QPSK	25	0	18.80	18.93	18.90	20.2
10	QPSK	25	12	18.69	18.73	18.77	
10	QPSK	25	25	18.64	18.76	18.79	
10	QPSK	50	0	18.82	18.94	18.89	20.2
10	16QAM	1	0	18.75	18.93	18.85	
10	16QAM	1	25	18.63	18.75	18.72	
10	16QAM	1	49	18.61	18.87	18.69	20.2
10	16QAM	25	0	18.74	18.87	18.84	
10	16QAM	25	12	18.59	18.64	18.67	
10	16QAM	25	25	18.54	18.66	18.72	20.2
10	16QAM	50	0	18.72	18.87	18.79	
10	64QAM	1	0	18.78	18.97	18.86	
10	64QAM	1	25	18.59	18.75	18.75	20.2
10	64QAM	1	49	18.61	18.85	18.69	
10	64QAM	25	0	18.74	18.85	18.80	
10	64QAM	25	12	18.62	18.68	18.70	20.2
10	64QAM	25	25	18.54	18.66	18.70	
10	64QAM	50	0	18.77	18.87	18.80	
10	256QAM	1	0	18.77	18.98	18.87	20.2
10	256QAM	1	25	18.62	18.79	18.73	
10	256QAM	1	49	18.63	18.86	18.65	
10	256QAM	25	0	18.71	18.84	18.82	20.2
10	256QAM	25	12	18.62	18.67	18.69	
10	256QAM	25	25	18.56	18.68	18.73	
10	256QAM	50	0	18.74	18.88	18.82	20.2
Channel				20425	20525	20625	
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	18.68	18.89	18.78	20.2
Channel				20415	20525	20635	20.2
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	18.69	18.85	18.82	20.2
Channel				20407	20525	20643	20.2
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	18.67	18.89	18.81	20.2



<LTE Band 5\_Ant 1\_DSI 5\_Other PA>

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	20
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	18.99	19.01	18.94	20
10	QPSK	1	25	18.86	18.90	18.82	
10	QPSK	1	49	18.79	18.83	18.73	
10	QPSK	25	0	18.94	18.98	18.90	20
10	QPSK	25	12	18.94	18.97	18.87	
10	QPSK	25	25	18.89	18.93	18.83	
10	QPSK	50	0	18.89	18.92	18.83	20
10	16QAM	1	0	18.89	18.91	18.84	
10	16QAM	1	25	18.80	18.80	18.77	
10	16QAM	1	49	18.70	18.73	18.66	20
10	16QAM	25	0	18.86	18.91	18.84	
10	16QAM	25	12	18.86	18.87	18.78	
10	16QAM	25	25	18.84	18.86	18.73	20
10	16QAM	50	0	18.82	18.86	18.78	
10	64QAM	1	0	18.85	18.98	18.88	
10	64QAM	1	25	18.81	18.85	18.75	20
10	64QAM	1	49	18.71	18.77	18.65	
10	64QAM	25	0	18.87	18.90	18.80	
10	64QAM	25	12	18.86	18.92	18.80	20
10	64QAM	25	25	18.82	18.86	18.76	
10	64QAM	50	0	18.80	18.86	18.74	
10	256QAM	1	0	18.86	18.97	18.88	20
10	256QAM	1	25	18.77	18.81	18.75	
10	256QAM	1	49	18.71	18.73	18.65	
10	256QAM	25	0	18.84	18.89	18.84	20
10	256QAM	25	12	18.85	18.89	18.80	
10	256QAM	25	25	18.80	18.85	18.77	
10	256QAM	50	0	18.83	18.82	18.76	20
Channel				20425	20525	20625	
Frequency (MHz)				826.5	836.5	846.5	20
5	QPSK	1	0	18.88	18.91	18.76	20
Channel				20415	20525	20635	20
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	18.85	18.90	18.77	20
Channel				20407	20525	20643	20
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	18.88	18.87	18.80	20



<LTE Band 7_Ant 2_DSI 5_Main PA>							
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	16.7
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	16.43	16.51	16.48	
20	QPSK	1	49	16.34	16.42	16.43	16.7
20	QPSK	1	99	16.35	16.46	16.39	
20	QPSK	50	0	16.42	16.50	16.45	
20	QPSK	50	24	16.35	16.44	16.43	16.7
20	QPSK	50	50	16.34	16.41	16.39	
20	QPSK	100	0	16.40	16.44	16.42	
20	16QAM	1	0	16.33	16.46	16.39	16.7
20	16QAM	1	49	16.27	16.34	16.38	
20	16QAM	1	99	16.30	16.39	16.30	
20	16QAM	50	0	16.35	16.42	16.36	16.7
20	16QAM	50	24	16.28	16.38	16.33	
20	16QAM	50	50	16.25	16.32	16.31	
20	16QAM	100	0	16.35	16.36	16.32	16.7
20	64QAM	1	0	16.37	16.45	16.43	
20	64QAM	1	49	16.24	16.34	16.36	
20	64QAM	1	99	16.29	16.37	16.30	16.7
20	64QAM	50	0	16.32	16.42	16.39	
20	64QAM	50	24	16.30	16.37	16.34	
20	64QAM	50	50	16.25	16.36	16.32	16.7
20	64QAM	100	0	16.33	16.34	16.35	
20	256QAM	1	0	16.37	16.41	16.41	
20	256QAM	1	49	16.27	16.34	16.38	16.7
20	256QAM	1	99	16.28	16.40	16.33	
20	256QAM	50	0	16.34	16.44	16.36	
20	256QAM	50	24	16.26	16.38	16.38	16.7
20	256QAM	50	50	16.27	16.33	16.33	
20	256QAM	100	0	16.31	16.39	16.37	
Channel				20825	21100	21375	16.7
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	16.23	16.36	16.29	16.7
Channel				20800	21100	21400	16.7
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	16.25	16.37	16.37	16.7
Channel				20775	21100	21425	16.7
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	16.33	16.41	16.34	16.7



<LTE Band 7_Ant 3_DSI 5_Main PA>							
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	17.2
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	16.34	16.44	16.45	
20	QPSK	1	49	16.25	16.37	16.37	17.2
20	QPSK	1	99	16.27	16.34	16.38	
20	QPSK	50	0	16.32	16.43	16.44	
20	QPSK	50	24	16.28	16.34	16.38	17.2
20	QPSK	50	50	16.25	16.36	16.36	
20	QPSK	100	0	16.29	16.42	16.40	
20	16QAM	1	0	16.26	16.38	16.40	17.2
20	16QAM	1	49	16.20	16.28	16.30	
20	16QAM	1	99	16.17	16.28	16.30	
20	16QAM	50	0	16.26	16.38	16.34	17.2
20	16QAM	50	24	16.18	16.24	16.30	
20	16QAM	50	50	16.20	16.27	16.31	
20	16QAM	100	0	16.23	16.32	16.33	17.2
20	64QAM	1	0	16.25	16.35	16.35	
20	64QAM	1	49	16.16	16.27	16.29	
20	64QAM	1	99	16.18	16.28	16.28	17.2
20	64QAM	50	0	16.27	16.34	16.37	
20	64QAM	50	24	16.23	16.27	16.31	
20	64QAM	50	50	16.15	16.31	16.29	17.2
20	64QAM	100	0	16.20	16.32	16.34	
20	256QAM	1	0	16.26	16.35	16.38	
20	256QAM	1	49	16.19	16.28	16.28	17.2
20	256QAM	1	99	16.19	16.29	16.33	
20	256QAM	50	0	16.23	16.34	16.37	
20	256QAM	50	24	16.20	16.25	16.32	17.2
20	256QAM	50	50	16.18	16.27	16.31	
20	256QAM	100	0	16.24	16.37	16.35	
Channel				20825	21100	21375	17.2
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	16.17	16.26	16.34	17.2
Channel				20800	21100	21400	17.2
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	16.22	16.26	16.32	17.2
Channel				20775	21100	21425	17.2
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	16.17	16.29	16.30	17.2



<LTE Band 7_Ant 4_DSI 5_Main PA>							
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	17.5
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	16.21	16.30	16.16	
20	QPSK	1	49	16.01	16.17	15.97	17.5
20	QPSK	1	99	16.05	16.16	16.05	
20	QPSK	50	0	16.17	16.21	16.15	
20	QPSK	50	24	16.06	16.11	15.96	17.5
20	QPSK	50	50	16.06	16.18	15.97	
20	QPSK	100	0	16.03	16.17	16.01	
20	16QAM	1	0	16.02	16.10	15.96	17.5
20	16QAM	1	49	15.86	15.99	15.82	
20	16QAM	1	99	15.87	15.99	15.94	
20	16QAM	50	0	16.00	16.07	16.02	17.5
20	16QAM	50	24	15.95	15.95	15.78	
20	16QAM	50	50	15.93	16.07	15.87	
20	16QAM	100	0	15.88	16.00	15.82	17.5
20	64QAM	1	0	16.08	16.16	16.00	
20	64QAM	1	49	15.81	16.05	15.83	
20	64QAM	1	99	15.93	16.00	15.91	17.5
20	64QAM	50	0	16.06	16.02	16.02	
20	64QAM	50	24	15.88	15.97	15.85	
20	64QAM	50	50	15.87	16.07	15.85	17.5
20	64QAM	100	0	15.83	16.02	15.89	
20	256QAM	1	0	16.07	16.16	16.03	
20	256QAM	1	49	15.90	15.97	15.80	17.5
20	256QAM	1	99	15.87	16.04	15.85	
20	256QAM	50	0	16.00	16.10	15.97	
20	256QAM	50	24	15.94	16.00	15.80	17.5
20	256QAM	50	50	15.95	16.08	15.84	
20	256QAM	100	0	15.84	16.07	15.85	
Channel				20825	21100	21375	17.5
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	16.04	16.20	16.02	17.5
Channel				20800	21100	21400	17.5
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	16.05	16.16	15.99	17.5
Channel				20775	21100	21425	17.5
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	16.04	16.20	16.01	17.5



<LTE Band 7_Ant 5_DSI 5_Main PA>							
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	20.7
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	20.11	20.26	20.18	20.7
20	QPSK	1	49	19.95	20.11	20.06	
20	QPSK	1	99	20.00	20.11	20.05	
20	QPSK	50	0	19.98	20.13	20.14	20.7
20	QPSK	50	24	19.78	20.02	19.94	
20	QPSK	50	50	19.83	20.01	19.97	
20	QPSK	100	0	20.01	20.15	20.06	
20	16QAM	1	0	19.98	20.09	20.01	20.7
20	16QAM	1	49	19.81	19.94	19.94	
20	16QAM	1	99	19.81	19.98	19.89	
20	16QAM	50	0	19.86	20.02	19.99	20.7
20	16QAM	50	24	19.61	19.85	19.80	
20	16QAM	50	50	19.67	19.83	19.87	
20	16QAM	100	0	19.91	19.95	19.95	
20	64QAM	1	0	19.97	20.07	19.98	20.7
20	64QAM	1	49	19.81	20.00	19.96	
20	64QAM	1	99	19.89	19.97	19.90	
20	64QAM	50	0	19.78	20.02	19.96	20.7
20	64QAM	50	24	19.65	19.84	19.79	
20	64QAM	50	50	19.68	19.83	19.83	
20	64QAM	100	0	19.90	19.97	19.94	
20	256QAM	1	0	19.96	20.12	20.05	20.7
20	256QAM	1	49	19.80	19.92	19.93	
20	256QAM	1	99	19.84	19.96	19.95	
20	256QAM	50	0	19.83	19.97	19.95	20.7
20	256QAM	50	24	19.63	19.84	19.81	
20	256QAM	50	50	19.71	19.83	19.81	
20	256QAM	100	0	19.84	19.98	19.95	
Channel				20825	21100	21375	20.7
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	19.98	20.16	20.02	20.7
Channel				20800	21100	21400	20.7
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	19.97	20.16	19.98	20.7
Channel				20775	21100	21425	20.7
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	20.00	20.13	20.02	20.7



<LTE Band 12_Ant 0_DSI 5_Main PA>							
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	23.84	23.97	23.88	25
10	QPSK	1	25	23.82	23.91	23.85	
10	QPSK	1	49	23.79	23.86	23.81	
10	QPSK	25	0	23.09	23.12	23.08	24
10	QPSK	25	12	23.01	23.11	23.00	
10	QPSK	25	25	23.00	23.07	23.05	
10	QPSK	50	0	23.10	23.12	23.09	24
10	16QAM	1	0	22.78	22.85	22.79	
10	16QAM	1	25	22.75	22.87	22.80	
10	16QAM	1	49	22.83	22.79	22.84	23
10	16QAM	25	0	21.79	21.83	21.75	
10	16QAM	25	12	21.83	21.79	21.76	
10	16QAM	25	25	21.77	21.87	21.77	23
10	16QAM	50	0	21.81	21.81	21.77	
10	64QAM	1	0	21.80	21.83	21.85	
10	64QAM	1	25	21.76	21.87	21.75	23
10	64QAM	1	49	21.74	21.85	21.78	
10	64QAM	25	0	20.77	20.81	20.77	
10	64QAM	25	12	20.76	20.81	20.84	22
10	64QAM	25	25	20.83	20.80	20.76	
10	64QAM	50	0	20.80	20.81	20.84	
10	256QAM	1	0	18.77	18.82	18.78	20
10	256QAM	1	25	18.79	18.85	18.80	
10	256QAM	1	49	18.79	18.85	18.79	
10	256QAM	25	0	18.84	18.89	18.79	20
10	256QAM	25	12	18.81	18.81	18.80	
10	256QAM	25	25	18.81	18.80	18.75	
10	256QAM	50	0	18.83	18.83	18.81	20
Channel				23035	23095	23155	
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	23.66	23.77	23.74	25
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	23.73	23.86	23.70	25
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	23.74	23.85	23.75	25





<LTE Band 12_Ant 1_DSI 5_Main PA>							
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	20.80	21.00	20.93	
10	QPSK	1	25	20.60	20.82	20.83	22.5
10	QPSK	1	49	20.68	20.85	20.77	
10	QPSK	25	0	20.78	20.98	20.86	
10	QPSK	25	12	20.60	20.86	20.77	22.5
10	QPSK	25	25	20.62	20.81	20.79	
10	QPSK	50	0	20.79	20.95	20.83	
10	16QAM	1	0	20.74	20.92	20.86	22.5
10	16QAM	1	25	20.50	20.74	20.78	
10	16QAM	1	49	20.58	20.79	20.72	
10	16QAM	25	0	20.71	20.92	20.78	22.5
10	16QAM	25	12	20.52	20.77	20.68	
10	16QAM	25	25	20.55	20.71	20.72	
10	16QAM	50	0	20.69	20.89	20.76	22.5
10	64QAM	1	0	20.75	20.90	20.88	
10	64QAM	1	25	20.55	20.80	20.82	
10	64QAM	1	49	20.65	20.82	20.75	22
10	64QAM	25	0	20.28	20.43	20.34	
10	64QAM	25	12	20.10	20.35	20.23	
10	64QAM	25	25	20.08	20.27	20.26	20
10	64QAM	50	0	20.26	20.43	20.31	
10	256QAM	1	0	18.26	18.54	18.43	
10	256QAM	1	25	18.15	18.36	18.36	20
10	256QAM	1	49	18.16	18.40	18.29	
10	256QAM	25	0	18.31	18.45	18.43	
10	256QAM	25	12	18.13	18.42	18.30	20
10	256QAM	25	25	18.12	18.35	18.35	
10	256QAM	50	0	18.35	18.44	18.39	
Channel				23035	23095	23155	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	20.68	20.84	20.81	22.5
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	20.66	20.80	20.73	22.5
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	20.61	20.85	20.82	22.5



<LTE Band 13_Ant 0_DSI 5_Main PA>							
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		24.96		25.7
10	QPSK	1	25		24.88		
10	QPSK	1	49		24.86		
10	QPSK	25	0		24.07		24.7
10	QPSK	25	12		24.06		
10	QPSK	25	25		24.05		
10	QPSK	50	0		24.06		24.7
10	16QAM	1	0		24.12		
10	16QAM	1	25		23.91		
10	16QAM	1	49		23.90		23.7
10	16QAM	25	0		22.90		
10	16QAM	25	12		22.85		
10	16QAM	25	25		22.84		23.7
10	16QAM	50	0		22.88		
10	64QAM	1	0		22.93		
10	64QAM	1	25		22.90		23.7
10	64QAM	1	49		22.88		
10	64QAM	25	0		21.90		
10	64QAM	25	12		21.83		22.7
10	64QAM	25	25		21.93		
10	64QAM	50	0		21.85		
10	256QAM	1	0		19.89		20.7
10	256QAM	1	25		19.85		
10	256QAM	1	49		19.90		
10	256QAM	25	0		19.87		20.7
10	256QAM	25	12		19.87		
10	256QAM	25	25		19.87		
10	256QAM	50	0		19.91		20.7
Channel				23205	23230	23255	
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	24.90	24.95	24.86	25.7



<LTE Band 13_Ant 1_DSI 5_Main PA>								
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		22.23		22.7	
10	QPSK	1	25		22.13			
10	QPSK	1	49		22.17			
10	QPSK	25	0		22.19		22.7	
10	QPSK	25	12		22.06			
10	QPSK	25	25		22.09			
10	QPSK	50	0		22.15		22.7	
10	16QAM	1	0		22.18			
10	16QAM	1	25		22.05			
10	16QAM	1	49		22.12		22.7	
10	16QAM	25	0		22.13			
10	16QAM	25	12		21.99			
10	16QAM	25	25		22.04		22.7	
10	16QAM	50	0		22.07			
10	64QAM	1	0		22.14			
10	64QAM	1	25		22.03		22.7	
10	64QAM	1	49		22.12			
10	64QAM	25	0		22.11			
10	64QAM	25	12		22.01		22.7	
10	64QAM	25	25		21.99			
10	64QAM	50	0		22.08			
10	256QAM	1	0		20.28		20.7	
10	256QAM	1	25		20.21			
10	256QAM	1	49		20.24			
10	256QAM	25	0		20.26		20.7	
10	256QAM	25	12		20.07			
10	256QAM	25	25		20.12			
10	256QAM	50	0		20.15		20.7	
Channel				23205	23230	23255		Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	0	22.09	22.12	22.06	22.7	



<LTE Band 17_Ant 0_DSI 5_Main PA>							
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	23.91	23.99	23.97	25
10	QPSK	1	25	23.81	23.88	23.86	
10	QPSK	1	49	23.82	23.93	23.90	
10	QPSK	25	0	23.22	23.27	23.21	24
10	QPSK	25	12	23.10	23.26	23.20	
10	QPSK	25	25	23.11	23.21	23.15	
10	QPSK	50	0	23.22	23.26	23.21	24
10	16QAM	1	0	23.14	23.33	23.21	
10	16QAM	1	25	22.82	22.95	22.88	
10	16QAM	1	49	22.81	22.89	22.92	23
10	16QAM	25	0	21.91	21.91	21.95	
10	16QAM	25	12	21.84	21.88	21.97	
10	16QAM	25	25	21.88	21.95	21.88	23
10	16QAM	50	0	21.85	21.91	21.93	
10	64QAM	1	0	21.86	21.88	21.89	
10	64QAM	1	25	21.90	21.97	21.91	22
10	64QAM	1	49	21.82	21.88	21.91	
10	64QAM	25	0	20.82	20.88	20.88	
10	64QAM	25	12	20.91	20.89	20.95	20
10	64QAM	25	25	20.85	20.94	20.91	
10	64QAM	50	0	20.82	20.90	20.94	
10	256QAM	1	0	18.89	18.97	18.96	20
10	256QAM	1	25	18.82	18.91	18.88	
10	256QAM	1	49	18.85	18.88	18.92	
10	256QAM	25	0	18.85	18.90	18.91	20
10	256QAM	25	12	18.87	18.93	18.88	
10	256QAM	25	25	18.89	18.88	18.95	
10	256QAM	50	0	18.88	18.90	18.92	Tune-up limit (dBm)
Channel				23755	23790	23825	
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	23.81	23.87	23.79	25



<b>&lt;LTE Band 17_Ant 1_DSI 5_Main PA&gt;</b>							
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	20.21	20.34	20.26	
10	QPSK	1	25	20.11	20.19	20.13	22
10	QPSK	1	49	20.11	20.22	20.13	
10	QPSK	25	0	20.18	20.33	20.22	
10	QPSK	25	12	20.04	20.23	20.11	22
10	QPSK	25	25	20.04	20.21	20.09	
10	QPSK	50	0	20.20	20.32	20.24	
10	16QAM	1	0	20.11	20.28	20.19	22
10	16QAM	1	25	20.03	20.10	20.06	
10	16QAM	1	49	20.05	20.12	20.03	
10	16QAM	25	0	20.08	20.28	20.16	22
10	16QAM	25	12	20.04	20.18	20.06	
10	16QAM	25	25	20.04	20.11	20.00	
10	16QAM	50	0	20.11	20.24	20.17	22
10	64QAM	1	0	20.16	20.28	20.16	
10	64QAM	1	25	20.03	20.13	20.06	
10	64QAM	1	49	20.05	20.13	20.04	22
10	64QAM	25	0	20.12	20.26	20.12	
10	64QAM	25	12	20.07	20.14	20.01	
10	64QAM	25	25	20.08	20.14	20.00	22
10	64QAM	50	0	20.15	20.24	20.15	
10	256QAM	1	0	18.35	18.84	18.56	
10	256QAM	1	25	18.43	18.63	18.32	
10	256QAM	1	49	18.59	18.66	18.52	
10	256QAM	25	0	18.68	18.81	18.23	20
10	256QAM	25	12	18.52	18.32	18.45	
10	256QAM	25	25	18.26	18.36	18.26	
10	256QAM	50	0	18.34	18.59	18.37	20
Channel				23755	23790	23825	
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	20.10	20.25	20.18	22



<LTE Band 25_Ant 2_DSI 5_Main PA>							
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	19.5
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	18.59	18.72	18.65	19.5
20	QPSK	1	49	18.54	18.63	18.58	
20	QPSK	1	99	18.51	18.65	18.58	
20	QPSK	50	0	18.55	18.70	18.62	19.5
20	QPSK	50	24	18.48	18.61	18.52	
20	QPSK	50	50	18.45	18.60	18.56	
20	QPSK	100	0	18.54	18.69	18.59	19.5
20	16QAM	1	0	18.49	18.65	18.59	
20	16QAM	1	49	18.47	18.57	18.48	
20	16QAM	1	99	18.44	18.59	18.51	19.5
20	16QAM	50	0	18.47	18.64	18.57	
20	16QAM	50	24	18.39	18.51	18.46	
20	16QAM	50	50	18.38	18.52	18.51	19.5
20	16QAM	100	0	18.49	18.60	18.51	
20	64QAM	1	0	18.49	18.63	18.60	
20	64QAM	1	49	18.45	18.54	18.49	19.5
20	64QAM	1	99	18.44	18.60	18.53	
20	64QAM	50	0	18.49	18.60	18.57	
20	64QAM	50	24	18.41	18.56	18.44	19.5
20	64QAM	50	50	18.37	18.50	18.49	
20	64QAM	100	0	18.45	18.63	18.51	
20	256QAM	1	0	18.49	18.65	18.59	19.5
20	256QAM	1	49	18.47	18.55	18.49	
20	256QAM	1	99	18.44	18.60	18.50	
20	256QAM	50	0	18.48	18.64	18.55	19.5
20	256QAM	50	24	18.42	18.55	18.44	
20	256QAM	50	50	18.35	18.55	18.50	
20	256QAM	100	0	18.45	18.59	18.50	19.5
Channel				26115	26340	26615	
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	18.43	18.54	18.47	19.5
Channel				26090	26340	26640	19.5
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	18.39	18.55	18.46	19.5
Channel				26065	26340	26665	19.5
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	18.48	18.53	18.48	19.5
Channel				26055	26340	26675	19.5
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	18.40	18.58	18.47	19.5
Channel				26047	26340	26683	19.5
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	18.43	18.58	18.47	19.5



<LTE Band 25_Ant 3_DSI 5_Main PA>							
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	18
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	16.35	16.59	16.45	18
20	QPSK	1	49	16.26	16.53	16.37	
20	QPSK	1	99	16.30	16.51	16.39	
20	QPSK	50	0	16.32	16.43	16.42	18
20	QPSK	50	24	16.23	16.36	16.32	
20	QPSK	50	50	16.22	16.34	16.35	
20	QPSK	100	0	16.30	16.58	16.41	18
20	16QAM	1	0	16.29	16.54	16.37	
20	16QAM	1	49	16.18	16.44	16.32	
20	16QAM	1	99	16.24	16.43	16.31	18
20	16QAM	50	0	16.27	16.36	16.33	
20	16QAM	50	24	16.14	16.26	16.26	
20	16QAM	50	50	16.13	16.25	16.25	18
20	16QAM	100	0	16.23	16.48	16.31	
20	64QAM	1	0	16.28	16.51	16.39	
20	64QAM	1	49	16.16	16.48	16.29	18
20	64QAM	1	99	16.21	16.41	16.31	
20	64QAM	50	0	16.27	16.37	16.36	
20	64QAM	50	24	16.13	16.29	16.22	18
20	64QAM	50	50	16.12	16.28	16.25	
20	64QAM	100	0	16.21	16.48	16.32	
20	256QAM	1	0	16.25	16.50	16.38	18
20	256QAM	1	49	16.21	16.44	16.28	
20	256QAM	1	99	16.21	16.45	16.29	
20	256QAM	50	0	16.22	16.34	16.34	18
20	256QAM	50	24	16.13	16.28	16.27	
20	256QAM	50	50	16.14	16.29	16.27	
20	256QAM	100	0	16.25	16.51	16.33	18
Channel				26115	26340	26615	
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	16.21	16.46	16.31	18
Channel				26090	26340	26640	18
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	16.22	16.41	16.28	18
Channel				26065	26340	26665	18
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	16.19	16.42	16.30	18
Channel				26055	26340	26675	18
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	16.18	16.46	16.31	18
Channel				26047	26340	26683	18
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	16.25	16.45	16.28	18



<LTE Band 25_Ant 4_DSI 5_Main PA>							
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	18.5
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	17.02	17.13	17.11	18.5
20	QPSK	1	49	16.95	17.06	17.01	
20	QPSK	1	99	16.95	17.05	17.06	
20	QPSK	50	0	17.01	17.11	17.08	18.5
20	QPSK	50	24	16.92	17.05	17.00	
20	QPSK	50	50	16.94	17.07	17.02	
20	QPSK	100	0	16.99	17.09	17.09	18.5
20	16QAM	1	0	16.97	17.04	17.05	
20	16QAM	1	49	16.89	16.98	16.96	
20	16QAM	1	99	16.87	16.97	17.01	18.5
20	16QAM	50	0	16.91	17.06	16.99	
20	16QAM	50	24	16.87	17.00	16.91	
20	16QAM	50	50	16.85	16.99	16.97	18.5
20	16QAM	100	0	16.90	17.03	17.02	
20	64QAM	1	0	16.93	17.08	17.02	
20	64QAM	1	49	16.85	17.01	16.94	18.5
20	64QAM	1	99	16.88	16.97	17.00	
20	64QAM	50	0	16.93	17.05	16.99	
20	64QAM	50	24	16.86	17.00	16.94	18.5
20	64QAM	50	50	16.89	17.02	16.95	
20	64QAM	100	0	16.90	17.04	17.04	
20	256QAM	1	0	16.93	17.03	17.03	18.5
20	256QAM	1	49	16.87	16.96	16.92	
20	256QAM	1	99	16.89	16.99	17.00	
20	256QAM	50	0	16.96	17.01	16.99	18.5
20	256QAM	50	24	16.82	16.99	16.93	
20	256QAM	50	50	16.88	17.01	16.95	
20	256QAM	100	0	16.89	17.03	17.03	18.5
Channel				26115	26340	26615	
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	16.82	16.95	16.93	18.5
Channel				26090	26340	26640	18.5
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	16.84	16.94	16.93	18.5
Channel				26065	26340	26665	18.5
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	16.83	16.93	16.98	18.5
Channel				26055	26340	26675	18.5
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	16.91	16.97	16.92	18.5
Channel				26047	26340	26683	18.5
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	16.91	16.97	16.92	18.5





<LTE Band 25_Ant 5_DSI 5_Main PA>							
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	22
Frequency (MHz)				1860	1880	1905	
20	QPSK	1	0	20.66	20.75	20.58	
20	QPSK	1	49	20.50	20.63	20.44	22
20	QPSK	1	99	20.51	20.60	20.44	
20	QPSK	50	0	20.57	20.65	20.54	
20	QPSK	50	24	20.52	20.62	20.42	22
20	QPSK	50	50	20.47	20.62	20.43	
20	QPSK	100	0	20.49	20.61	20.44	
20	16QAM	1	0	20.51	20.62	20.42	22
20	16QAM	1	49	20.30	20.50	20.27	
20	16QAM	1	99	20.31	20.48	20.24	
20	16QAM	50	0	20.45	20.52	20.35	22
20	16QAM	50	24	20.40	20.48	20.30	
20	16QAM	50	50	20.31	20.48	20.26	
20	16QAM	100	0	20.36	20.49	20.25	22
20	64QAM	1	0	20.51	20.57	20.45	
20	64QAM	1	49	20.37	20.52	20.30	
20	64QAM	1	99	20.33	20.44	20.33	22
20	64QAM	50	0	20.37	20.48	20.41	
20	64QAM	50	24	20.36	20.52	20.24	
20	64QAM	50	50	20.29	20.48	20.32	20
20	64QAM	100	0	20.29	20.48	20.26	
20	256QAM	1	0	18.63	18.72	18.56	
20	256QAM	1	49	18.50	18.57	18.44	20
20	256QAM	1	99	18.41	18.58	18.35	
20	256QAM	50	0	18.56	18.60	18.51	
20	256QAM	50	24	18.50	18.58	18.40	20
20	256QAM	50	50	18.46	18.56	18.37	
20	256QAM	100	0	18.48	18.55	18.37	
Channel				26115	26340	26615	22
Frequency (MHz)				1857.5	1880	1907.5	
15	QPSK	1	0	20.53	20.55	20.41	
Channel				26090	26340	26640	22
Frequency (MHz)				1855	1880	1910	
10	QPSK	1	0	20.49	20.59	20.41	
Channel				26065	26340	26665	22
Frequency (MHz)				1852.5	1880	1912.5	
5	QPSK	1	0	20.49	20.63	20.46	
Channel				26055	26340	26675	22
Frequency (MHz)				1851.5	1880	1913.5	
3	QPSK	1	0	20.46	20.63	20.48	
Channel				26047	26340	26683	22
Frequency (MHz)				1850.7	1880	1914.3	
1.4	QPSK	1	0	20.51	20.55	20.40	



<LTE Band 26_Ant 0_DSI 5_Main PA>							
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	24.97	25.03	24.87	25.7
15	QPSK	1	37	24.89	24.92	24.87	
15	QPSK	1	74	24.88	24.93	24.82	
15	QPSK	36	0	24.14	24.15	24.12	24.7
15	QPSK	36	20	24.10	24.12	24.05	
15	QPSK	36	39	24.06	24.08	24.01	
15	QPSK	75	0	24.08	24.11	24.09	
15	16QAM	1	0	23.82	24.02	23.75	24.7
15	16QAM	1	37	23.87	24.03	23.79	
15	16QAM	1	74	23.89	23.94	23.74	
15	16QAM	36	0	22.85	23.03	22.70	23.7
15	16QAM	36	20	22.82	22.98	22.75	
15	16QAM	36	39	22.85	22.98	22.72	
15	16QAM	75	0	22.84	23.03	22.72	
15	64QAM	1	0	22.85	23.00	22.79	23.7
15	64QAM	1	37	22.81	22.98	22.77	
15	64QAM	1	74	22.82	22.98	22.71	
15	64QAM	36	0	21.87	22.00	21.77	22.7
15	64QAM	36	20	21.85	21.94	21.72	
15	64QAM	36	39	21.88	21.97	21.75	
15	64QAM	75	0	21.84	21.96	21.75	
15	256QAM	1	0	19.90	20.00	19.74	20.7
15	256QAM	1	37	19.81	19.98	19.77	
15	256QAM	1	74	19.85	20.00	19.70	
15	256QAM	36	0	19.86	19.93	19.79	20.7
15	256QAM	36	20	19.83	19.96	19.77	
15	256QAM	36	39	19.82	19.93	19.74	
15	256QAM	75	0	19.85	19.95	19.74	
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	24.81	24.84	24.72	25.7
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	24.80	24.87	24.67	25.7
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	24.80	24.87	24.73	25.7
Channel				26697	26865	27033	Tune-up limit (dBm)
Frequency (MHz)				814.7	831.5	848.3	
1.4	QPSK	1	0	24.84	24.84	24.73	25.7



<LTE Band 26_Ant 1_DSI 5_Main PA>							
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	20.2
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	18.94	19.09	18.86	
15	QPSK	1	37	18.86	19.03	18.77	20.2
15	QPSK	1	74	18.84	18.99	18.81	
15	QPSK	36	0	18.93	19.04	18.84	
15	QPSK	36	20	18.84	19.04	18.81	20.2
15	QPSK	36	39	18.89	18.99	18.78	
15	QPSK	75	0	18.92	19.05	18.85	
15	16QAM	1	0	18.86	19.02	18.76	20.2
15	16QAM	1	37	18.79	18.97	18.72	
15	16QAM	1	74	18.74	18.92	18.74	
15	16QAM	36	0	18.87	18.95	18.79	20.2
15	16QAM	36	20	18.77	18.95	18.74	
15	16QAM	36	39	18.80	18.89	18.69	
15	16QAM	75	0	18.87	19.00	18.75	20.2
15	64QAM	1	0	18.87	19.04	18.76	
15	64QAM	1	37	18.79	18.96	18.68	
15	64QAM	1	74	18.76	18.94	18.73	20.2
15	64QAM	36	0	18.86	18.96	18.79	
15	64QAM	36	20	18.75	18.97	18.73	
15	64QAM	36	39	18.80	18.94	18.70	20.2
15	64QAM	75	0	18.84	18.97	18.78	
15	256QAM	1	0	18.87	18.99	18.78	
15	256QAM	1	37	18.76	18.97	18.68	20.2
15	256QAM	1	74	18.79	18.90	18.72	
15	256QAM	36	0	18.83	18.96	18.79	
15	256QAM	36	20	18.75	18.95	18.74	20.2
15	256QAM	36	39	18.82	18.90	18.70	
15	256QAM	75	0	18.84	18.96	18.79	
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	18.84	18.99	18.81	20.2
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	18.88	19.03	18.77	20.2
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	18.84	19.02	18.78	20.2
Channel				26697	26865	27033	Tune-up limit (dBm)
Frequency (MHz)				814.7	831.5	848.3	
1.4	QPSK	1	0	18.89	18.99	18.78	20.2



<LTE Band 66_Ant 2_DSI 5_Main PA>							
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	17.5
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	16.65	16.82	16.90	17.5
20	QPSK	1	49	16.59	16.72	16.84	
20	QPSK	1	99	16.58	16.76	16.81	
20	QPSK	50	0	16.64	16.80	16.88	17.5
20	QPSK	50	24	16.55	16.73	16.83	
20	QPSK	50	50	16.57	16.72	16.85	
20	QPSK	100	0	16.65	16.77	16.80	17.5
20	16QAM	1	0	16.57	16.72	16.81	
20	16QAM	1	49	16.51	16.63	16.79	
20	16QAM	1	99	16.49	16.66	16.75	17.5
20	16QAM	50	0	16.58	16.73	16.83	
20	16QAM	50	24	16.49	16.68	16.73	
20	16QAM	50	50	16.52	16.62	16.79	17.5
20	16QAM	100	0	16.59	16.70	16.70	
20	64QAM	1	0	16.57	16.73	16.84	
20	64QAM	1	49	16.50	16.67	16.77	17.5
20	64QAM	1	99	16.52	16.69	16.73	
20	64QAM	50	0	16.58	16.75	16.78	
20	64QAM	50	24	16.48	16.65	16.74	17.5
20	64QAM	50	50	16.50	16.63	16.78	
20	64QAM	100	0	16.58	16.72	16.75	
20	256QAM	1	0	16.58	16.76	16.83	17.5
20	256QAM	1	49	16.52	16.64	16.74	
20	256QAM	1	99	16.53	16.70	16.72	
20	256QAM	50	0	16.55	16.70	16.80	17.5
20	256QAM	50	24	16.47	16.65	16.78	
20	256QAM	50	50	16.49	16.62	16.80	
20	256QAM	100	0	16.58	16.70	16.70	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	16.51	16.63	16.76	17.5
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	16.47	16.71	16.72	17.5
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	16.50	16.62	16.76	17.5
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	16.52	16.67	16.79	17.5
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	16.55	16.62	16.76	17.5



LTE Band 66_Ant 2_DSI 5_Other PA							
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	16.5
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	14.98	15.02	15.00	
20	QPSK	1	49	14.92	14.92	14.90	16.5
20	QPSK	1	99	14.89	14.93	14.91	
20	QPSK	50	0	14.94	15.00	14.96	
20	QPSK	50	24	14.86	14.91	14.89	16.5
20	QPSK	50	50	14.86	14.91	14.90	
20	QPSK	100	0	14.90	14.99	14.92	
20	16QAM	1	0	14.88	14.95	14.94	16.5
20	16QAM	1	49	14.83	14.83	14.82	
20	16QAM	1	99	14.81	14.86	14.81	
20	16QAM	50	0	14.86	14.92	14.86	16.5
20	16QAM	50	24	14.77	14.85	14.79	
20	16QAM	50	50	14.76	14.86	14.82	
20	16QAM	100	0	14.81	14.93	14.82	16.5
20	64QAM	1	0	14.91	14.96	14.95	
20	64QAM	1	49	14.87	14.87	14.80	
20	64QAM	1	99	14.79	14.86	14.83	16.5
20	64QAM	50	0	14.89	14.92	14.88	
20	64QAM	50	24	14.78	14.81	14.82	
20	64QAM	50	50	14.77	14.83	14.80	16.5
20	64QAM	100	0	14.82	14.92	14.85	
20	256QAM	1	0	14.91	14.96	14.94	
20	256QAM	1	49	14.83	14.82	14.84	16.5
20	256QAM	1	99	14.82	14.87	14.85	
20	256QAM	50	0	14.84	14.93	14.87	
20	256QAM	50	24	14.80	14.86	14.79	16.5
20	256QAM	50	50	14.77	14.84	14.82	
20	256QAM	100	0	14.82	14.89	14.86	
Channel				132047	132322	132597	16.5
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	14.86	14.84	14.90	16.5
Channel				132022	132322	132622	16.5
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	14.83	14.92	14.81	16.5
Channel				131997	132322	132647	16.5
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	14.84	14.92	14.82	16.5
Channel				131987	132322	132657	16.5
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	14.80	14.85	14.90	16.5
Channel				131979	132322	132665	16.5
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	14.87	14.84	14.87	16.5



<LTE Band 66_Ant 3_DSI 5_Main PA>							
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	17
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	15.70	15.67	15.58	
20	QPSK	1	49	15.61	15.61	15.48	17
20	QPSK	1	99	15.62	15.57	15.49	
20	QPSK	50	0	15.66	15.64	15.55	
20	QPSK	50	24	15.62	15.61	15.52	17
20	QPSK	50	50	15.61	15.60	15.53	
20	QPSK	100	0	15.65	15.61	15.56	
20	16QAM	1	0	15.61	15.60	15.53	17
20	16QAM	1	49	15.52	15.52	15.43	
20	16QAM	1	99	15.52	15.48	15.41	
20	16QAM	50	0	15.59	15.59	15.49	17
20	16QAM	50	24	15.52	15.55	15.45	
20	16QAM	50	50	15.51	15.55	15.45	
20	16QAM	100	0	15.60	15.55	15.49	17
20	64QAM	1	0	15.62	15.61	15.50	
20	64QAM	1	49	15.56	15.55	15.43	
20	64QAM	1	99	15.56	15.48	15.41	17
20	64QAM	50	0	15.61	15.57	15.47	
20	64QAM	50	24	15.55	15.51	15.47	
20	64QAM	50	50	15.56	15.55	15.45	17
20	64QAM	100	0	15.56	15.52	15.49	
20	256QAM	1	0	15.60	15.60	15.50	
20	256QAM	1	49	15.54	15.54	15.42	17
20	256QAM	1	99	15.56	15.47	15.42	
20	256QAM	50	0	15.57	15.56	15.47	
20	256QAM	50	24	15.52	15.54	15.42	17
20	256QAM	50	50	15.53	15.52	15.48	
20	256QAM	100	0	15.57	15.55	15.49	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	15.60	15.55	15.39	17
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	15.50	15.48	15.42	17
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	15.53	15.53	15.47	17
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	15.52	15.55	15.43	17
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	15.58	15.55	15.42	17



LTE Band 66_Ant 3_DSI 5_Other PA							
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	17.5
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	15.76	15.94	15.83	
20	QPSK	1	49	15.71	15.84	15.77	17.5
20	QPSK	1	99	15.66	15.85	15.74	
20	QPSK	50	0	15.72	15.92	15.79	
20	QPSK	50	24	15.63	15.84	15.73	17.5
20	QPSK	50	50	15.65	15.84	15.72	
20	QPSK	100	0	15.74	15.88	15.81	
20	16QAM	1	0	15.70	15.88	15.74	17.5
20	16QAM	1	49	15.66	15.77	15.70	
20	16QAM	1	99	15.61	15.75	15.64	
20	16QAM	50	0	15.62	15.84	15.73	17.5
20	16QAM	50	24	15.54	15.77	15.65	
20	16QAM	50	50	15.60	15.76	15.65	
20	16QAM	100	0	15.65	15.82	15.76	17.5
20	64QAM	1	0	15.67	15.84	15.73	
20	64QAM	1	49	15.64	15.78	15.67	
20	64QAM	1	99	15.56	15.79	15.66	17.5
20	64QAM	50	0	15.66	15.84	15.70	
20	64QAM	50	24	15.53	15.75	15.67	
20	64QAM	50	50	15.59	15.77	15.64	17.5
20	64QAM	100	0	15.65	15.83	15.74	
20	256QAM	1	0	15.69	15.89	15.76	
20	256QAM	1	49	15.61	15.75	15.67	17.5
20	256QAM	1	99	15.57	15.80	15.66	
20	256QAM	50	0	15.67	15.87	15.73	
20	256QAM	50	24	15.54	15.79	15.63	17.5
20	256QAM	50	50	15.59	15.74	15.66	
20	256QAM	100	0	15.67	15.78	15.71	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	15.56	15.76	15.63	17.5
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	15.61	15.84	15.64	17.5
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	15.63	15.75	15.64	17.5
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	15.63	15.81	15.70	17.5
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	15.57	15.74	15.65	17.5



<LTE Band 66_Ant 4_DSI 5_Main PA>							
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	23
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	21.12	21.23	21.17	
20	QPSK	1	49	21.05	21.16	21.12	22.5
20	QPSK	1	99	21.04	21.14	21.09	
20	QPSK	50	0	21.09	21.11	21.10	
20	QPSK	50	24	20.99	21.05	21.04	22.5
20	QPSK	50	50	21.01	21.05	21.05	
20	QPSK	100	0	21.04	21.14	21.10	
20	16QAM	1	0	20.56	20.68	20.65	22.5
20	16QAM	1	49	20.50	20.56	20.56	
20	16QAM	1	99	20.53	20.56	20.58	
20	16QAM	50	0	20.59	20.52	20.52	21.5
20	16QAM	50	24	20.48	20.53	20.47	
20	16QAM	50	50	20.45	20.45	20.52	
20	16QAM	100	0	20.48	20.60	20.52	21.5
20	64QAM	1	0	19.75	19.91	19.83	
20	64QAM	1	49	19.61	19.78	19.65	
20	64QAM	1	99	19.66	19.81	19.64	20.5
20	64QAM	50	0	19.78	19.65	19.79	
20	64QAM	50	24	19.63	19.65	19.60	
20	64QAM	50	50	19.68	19.68	19.57	18.5
20	64QAM	100	0	19.60	19.69	19.60	
20	256QAM	1	0	16.76	16.73	16.73	
20	256QAM	1	49	16.82	16.81	16.70	18.5
20	256QAM	1	99	16.68	16.94	16.78	
20	256QAM	50	0	16.60	16.77	16.63	
20	256QAM	50	24	16.50	16.73	16.69	18.5
20	256QAM	50	50	16.62	16.70	16.62	
20	256QAM	100	0	16.58	16.81	16.73	
Channel				132047	132322	132597	23
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	21.01	21.14	21.06	
Channel				132022	132322	132622	23
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	21.04	21.15	21.09	
Channel				131997	132322	132647	23
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	21.01	21.13	21.05	
Channel				131987	132322	132657	23
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	21.00	21.12	21.09	
Channel				131979	132322	132665	23
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	21.02	21.11	21.05	





<LTE Band 66_Ant 4_DSI 5_Other PA>							
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	22.17	22.28	22.11	
20	QPSK	1	49	22.07	22.13	22.01	24
20	QPSK	1	99	22.02	22.08	22.01	
20	QPSK	50	0	21.67	21.85	21.64	
20	QPSK	50	24	21.62	21.72	21.51	23.5
20	QPSK	50	50	21.57	21.59	21.60	
20	QPSK	100	0	21.53	21.58	21.59	
20	16QAM	1	0	21.70	21.86	21.66	23.5
20	16QAM	1	49	21.61	21.63	21.61	
20	16QAM	1	99	21.52	21.58	21.57	
20	16QAM	50	0	20.77	20.87	20.69	22.5
20	16QAM	50	24	20.64	20.75	20.51	
20	16QAM	50	50	20.58	20.66	20.67	
20	16QAM	100	0	20.53	20.66	20.65	22.5
20	64QAM	1	0	20.80	20.90	20.68	
20	64QAM	1	49	20.69	20.71	20.71	
20	64QAM	1	99	20.53	20.61	20.67	21.5
20	64QAM	50	0	19.71	19.86	19.65	
20	64QAM	50	24	19.66	19.79	19.52	
20	64QAM	50	50	19.57	19.68	19.64	21.5
20	64QAM	100	0	19.55	19.58	19.68	
20	256QAM	1	0	17.75	17.99	17.72	
20	256QAM	1	49	17.72	17.89	17.63	19.5
20	256QAM	1	99	17.73	17.59	17.69	
20	256QAM	50	0	17.68	17.62	17.59	
20	256QAM	50	24	17.75	18.01	17.77	19.5
20	256QAM	50	50	17.73	17.75	17.80	
20	256QAM	100	0	17.55	17.68	17.60	
Channel				132047	132322	132597	24
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	22.03	22.14	22.02	
Channel				132022	132322	132622	24
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	22.07	22.14	22.06	
Channel				131997	132322	132647	24
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	22.03	22.11	22.04	
Channel				131987	132322	132657	24
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	22.09	22.15	22.05	
Channel				131979	132322	132665	24
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	22.07	22.12	22.06	



<LTE Band 66_Ant 5_DSI 5_Main PA>							
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	22.5
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	21.08	21.24	21.17	
20	QPSK	1	49	20.91	21.08	21.06	22.5
20	QPSK	1	99	20.93	21.13	21.00	
20	QPSK	50	0	20.98	21.08	21.03	
20	QPSK	50	24	20.85	20.91	20.88	22.5
20	QPSK	50	50	20.82	20.89	20.84	
20	QPSK	100	0	20.66	20.77	20.67	
20	16QAM	1	0	20.89	21.13	21.07	22.5
20	16QAM	1	49	20.72	20.97	20.96	
20	16QAM	1	99	20.73	20.97	20.88	
20	16QAM	50	0	20.87	20.97	20.92	22.5
20	16QAM	50	24	20.75	20.74	20.68	
20	16QAM	50	50	20.71	20.72	20.74	
20	16QAM	100	0	20.55	20.66	20.53	22.5
20	64QAM	1	0	20.95	21.06	21.00	
20	64QAM	1	49	20.76	20.92	20.91	
20	64QAM	1	99	20.80	21.02	20.81	22
20	64QAM	50	0	20.42	20.57	20.48	
20	64QAM	50	24	20.26	20.32	20.31	
20	64QAM	50	50	20.26	20.34	20.30	20
20	64QAM	100	0	20.12	20.26	20.16	
20	256QAM	1	0	18.57	18.64	18.59	
20	256QAM	1	49	18.31	18.50	18.51	20
20	256QAM	1	99	18.35	18.60	18.49	
20	256QAM	50	0	18.40	18.51	18.51	
20	256QAM	50	24	18.28	18.31	18.31	20
20	256QAM	50	50	18.27	18.37	18.32	
20	256QAM	100	0	18.08	18.26	18.14	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	20.91	21.09	21.05	22.5
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	20.90	21.05	21.06	22.5
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	20.90	21.12	20.98	22.5
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	20.92	21.06	21.00	22.5
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	20.92	21.14	21.04	22.5



LTE Band 66_Ant 5_DSI 5_Other PA							
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	22.5
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	21.48	21.53	21.44	
20	QPSK	1	49	21.36	21.43	21.31	22.5
20	QPSK	1	99	21.30	21.34	21.26	
20	QPSK	50	0	21.34	21.34	21.29	
20	QPSK	50	24	21.17	21.17	21.12	22.5
20	QPSK	50	50	21.20	21.21	21.17	
20	QPSK	100	0	21.36	21.42	21.28	
20	16QAM	1	0	21.36	21.36	21.30	22.5
20	16QAM	1	49	21.19	21.29	21.16	
20	16QAM	1	99	21.16	21.14	21.10	
20	16QAM	50	0	21.16	21.16	21.10	22.5
20	16QAM	50	24	21.07	21.07	20.92	
20	16QAM	50	50	21.02	21.07	21.01	
20	16QAM	100	0	21.23	21.24	21.08	22.5
20	64QAM	1	0	21.33	21.39	21.33	
20	64QAM	1	49	21.23	21.25	21.20	
20	64QAM	1	99	21.10	21.24	21.07	22
20	64QAM	50	0	20.76	20.77	20.76	
20	64QAM	50	24	20.64	20.61	20.55	
20	64QAM	50	50	20.63	20.64	20.62	20
20	64QAM	100	0	20.79	20.88	20.71	
20	256QAM	1	0	18.94	19.01	18.85	
20	256QAM	1	49	18.82	18.85	18.79	20
20	256QAM	1	99	18.74	18.80	18.66	
20	256QAM	50	0	18.78	18.81	18.79	
20	256QAM	50	24	18.67	18.63	18.54	20
20	256QAM	50	50	18.66	18.64	18.59	
20	256QAM	100	0	18.77	18.91	18.78	
Channel				132047	132322	132597	22.5
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	21.35	21.35	21.29	
Channel				132022	132322	132622	22.5
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	21.29	21.36	21.34	
Channel				131997	132322	132647	22.5
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	21.32	21.33	21.32	
Channel				131987	132322	132657	22.5
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	21.35	21.40	21.28	
Channel				131979	132322	132665	22.5
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	21.35	21.35	21.29	



<LTE Band 38_Ant 2_DSI 5_Main PA>							
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	18.5
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	18.32	18.33	18.25	
20	QPSK	1	49	18.25	18.25	18.19	18.5
20	QPSK	1	99	18.27	18.26	18.17	
20	QPSK	50	0	18.27	18.26	18.16	
20	QPSK	50	24	18.20	18.21	18.11	18.5
20	QPSK	50	50	18.19	18.16	18.10	
20	QPSK	100	0	18.29	18.27	18.19	
20	16QAM	1	0	18.25	18.24	18.20	18.5
20	16QAM	1	49	18.18	18.15	18.11	
20	16QAM	1	99	18.22	18.16	18.08	
20	16QAM	50	0	18.19	18.21	18.10	18.5
20	16QAM	50	24	18.11	18.15	18.02	
20	16QAM	50	50	18.12	18.07	18.05	
20	16QAM	100	0	18.20	18.19	18.09	18.5
20	64QAM	1	0	18.27	18.26	18.18	
20	64QAM	1	49	18.18	18.18	18.10	
20	64QAM	1	99	18.19	18.18	18.10	18.5
20	64QAM	50	0	18.22	18.18	18.08	
20	64QAM	50	24	18.14	18.11	18.01	
20	64QAM	50	50	18.14	18.09	18.01	18.5
20	64QAM	100	0	18.24	18.19	18.10	
20	256QAM	1	0	18.23	18.24	18.16	
20	256QAM	1	49	18.16	18.18	18.10	18.5
20	256QAM	1	99	18.20	18.17	18.08	
20	256QAM	50	0	18.18	18.17	18.07	
20	256QAM	50	24	18.11	18.11	18.01	18.5
20	256QAM	50	50	18.14	18.09	18.01	
20	256QAM	100	0	18.20	18.17	18.09	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	18.20	18.21	18.10	18.5
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	18.12	18.16	18.13	18.5
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	18.13	18.20	18.10	18.5



<LTE Band 38_Ant 3_DSI 5_Main PA>							
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	20
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	19.22	19.32	19.27	
20	QPSK	1	49	19.22	19.28	19.26	20
20	QPSK	1	99	19.14	19.21	19.18	
20	QPSK	50	0	19.19	19.30	19.24	
20	QPSK	50	24	19.11	19.26	19.25	20
20	QPSK	50	50	19.20	19.24	19.23	
20	QPSK	100	0	19.18	19.29	19.25	
20	16QAM	1	0	19.04	19.16	19.08	20
20	16QAM	1	49	19.08	19.16	19.16	
20	16QAM	1	99	18.96	19.06	18.98	
20	16QAM	50	0	19.02	19.15	19.14	20
20	16QAM	50	24	18.99	19.12	19.13	
20	16QAM	50	50	19.05	19.11	19.08	
20	16QAM	100	0	19.00	19.13	19.14	20
20	64QAM	1	0	19.06	19.18	19.13	
20	64QAM	1	49	19.02	19.14	19.10	
20	64QAM	1	99	19.03	19.11	19.04	20
20	64QAM	50	0	19.09	19.15	19.12	
20	64QAM	50	24	18.93	19.13	19.13	
20	64QAM	50	50	19.07	19.08	19.12	20
20	64QAM	100	0	19.05	19.11	19.11	
20	256QAM	1	0	19.02	19.22	19.16	
20	256QAM	1	49	19.06	19.13	19.06	20
20	256QAM	1	99	18.98	19.04	19.00	
20	256QAM	50	0	19.06	19.13	19.14	
20	256QAM	50	24	18.97	19.11	19.14	20
20	256QAM	50	50	19.04	19.11	19.10	
20	256QAM	100	0	18.99	19.10	19.08	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	19.08	19.18	19.14	20
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	19.09	19.17	19.15	20
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	19.07	19.20	19.12	20



<LTE Band 38_Ant 4_DSI 5_Main PA>							
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	20.3
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	18.58	18.67	18.51	
20	QPSK	1	49	18.51	18.60	18.46	20.3
20	QPSK	1	99	18.52	18.59	18.43	
20	QPSK	50	0	18.55	18.65	18.44	
20	QPSK	50	24	18.50	18.58	18.34	20.3
20	QPSK	50	50	18.45	18.55	18.34	
20	QPSK	100	0	18.52	18.60	18.45	
20	16QAM	1	0	18.53	18.58	18.45	20.3
20	16QAM	1	49	18.41	18.53	18.36	
20	16QAM	1	99	18.44	18.53	18.33	
20	16QAM	50	0	18.47	18.58	18.35	20.3
20	16QAM	50	24	18.43	18.51	18.33	
20	16QAM	50	50	18.39	18.45	18.30	
20	16QAM	100	0	18.46	18.53	18.36	20.3
20	64QAM	1	0	18.49	18.62	18.46	
20	64QAM	1	49	18.45	18.51	18.39	
20	64QAM	1	99	18.43	18.54	18.37	20.3
20	64QAM	50	0	18.48	18.59	18.38	
20	64QAM	50	24	18.43	18.48	18.35	
20	64QAM	50	50	18.39	18.45	18.30	19
20	64QAM	100	0	18.47	18.51	18.35	
20	256QAM	1	0	17.57	17.54	17.23	
20	256QAM	1	49	17.33	17.33	17.49	19
20	256QAM	1	99	17.64	17.31	17.20	
20	256QAM	50	0	17.35	17.80	17.64	
20	256QAM	50	24	17.56	17.32	17.36	20.3
20	256QAM	50	50	17.43	17.69	17.14	
20	256QAM	100	0	17.28	17.50	17.19	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	18.43	18.54	18.38	20.3
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	18.38	18.56	18.41	20.3
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	18.39	18.54	18.33	20.3



<LTE Band 38_Ant 5_DSI 5_Main PA>							
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	23
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	22.06	22.25	22.13	
20	QPSK	1	49	21.92	22.07	21.94	23
20	QPSK	1	99	21.95	22.07	21.97	
20	QPSK	50	0	21.88	22.05	22.06	
20	QPSK	50	24	21.69	21.88	21.95	23
20	QPSK	50	50	21.75	21.86	21.91	
20	QPSK	100	0	21.92	22.06	21.95	
20	16QAM	1	0	21.89	22.09	22.02	23
20	16QAM	1	49	21.76	21.94	21.78	
20	16QAM	1	99	21.81	21.97	21.80	
20	16QAM	50	0	21.70	21.95	21.86	23
20	16QAM	50	24	21.53	21.69	21.80	
20	16QAM	50	50	21.59	21.71	21.72	
20	16QAM	100	0	21.74	21.87	21.80	23
20	64QAM	1	0	21.96	22.10	22.01	
20	64QAM	1	49	21.80	21.92	21.75	
20	64QAM	1	99	21.79	21.90	21.81	22.7
20	64QAM	50	0	21.47	21.60	21.63	
20	64QAM	50	24	21.22	21.46	21.47	
20	64QAM	50	50	21.35	21.37	21.44	20.7
20	64QAM	100	0	21.45	21.58	21.47	
20	256QAM	1	0	19.58	19.85	19.68	
20	256QAM	1	49	19.52	19.66	19.45	20.7
20	256QAM	1	99	19.46	19.62	19.50	
20	256QAM	50	0	19.48	19.65	19.59	
20	256QAM	50	24	19.22	19.39	19.53	20.7
20	256QAM	50	50	19.34	19.39	19.47	
20	256QAM	100	0	19.51	19.66	19.54	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	21.93	22.13	21.96	23
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	21.92	22.07	22.00	23
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	21.94	22.14	21.99	23



<LTE Band 41_Ant 2_DSI 5_Main PA>									
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	18.26	18.24	18.34	18.19	18.31	18.5
20	QPSK	1	49	18.18	18.16	18.24	18.10	18.24	
20	QPSK	1	99	18.16	18.16	18.26	18.13	18.26	
20	QPSK	50	0	18.21	18.22	18.31	18.14	18.24	18.5
20	QPSK	50	24	18.11	18.22	18.26	18.06	18.17	
20	QPSK	50	50	18.16	18.16	18.24	18.08	18.14	
20	QPSK	100	0	18.22	18.24	18.29	18.17	18.20	
20	16QAM	1	0	18.17	18.16	18.27	18.13	18.21	18.5
20	16QAM	1	49	18.10	18.08	18.17	18.03	18.18	
20	16QAM	1	99	18.06	18.08	18.16	18.04	18.17	
20	16QAM	50	0	18.11	18.12	18.23	18.07	18.17	18.5
20	16QAM	50	24	18.02	18.15	18.16	17.97	18.08	
20	16QAM	50	50	18.11	18.08	18.19	18.01	18.06	
20	16QAM	100	0	18.12	18.19	18.20	18.10	18.15	
20	64QAM	1	0	18.16	18.16	18.24	18.12	18.26	18.5
20	64QAM	1	49	18.08	18.09	18.18	18.05	18.15	
20	64QAM	1	99	18.08	18.09	18.17	18.03	18.21	
20	64QAM	50	0	18.12	18.17	18.26	18.05	18.14	18.5
20	64QAM	50	24	18.04	18.13	18.18	17.97	18.11	
20	64QAM	50	50	18.08	18.10	18.18	18.02	18.06	
20	64QAM	100	0	18.15	18.14	18.23	18.09	18.14	
20	256QAM	1	0	18.21	18.15	18.27	18.14	18.21	18.5
20	256QAM	1	49	18.12	18.09	18.17	18.01	18.19	
20	256QAM	1	99	18.11	18.08	18.17	18.06	18.19	
20	256QAM	50	0	18.16	18.14	18.23	18.05	18.19	18.5
20	256QAM	50	24	18.01	18.16	18.18	17.99	18.12	
20	256QAM	50	50	18.07	18.09	18.17	17.98	18.05	
20	256QAM	100	0	18.15	18.19	18.22	18.11	18.15	
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	18.09	18.06	18.22	18.02	18.19	18.50
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	18.15	18.10	18.18	18.05	18.14	18.50
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	18.13	18.14	18.19	18.06	18.19	18.50





<LTE Band 41_Ant 3_DSI 5_Main PA>									
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	19.19	19.24	19.43	19.26	19.31	20
20	QPSK	1	49	19.09	19.12	19.32	19.14	19.16	
20	QPSK	1	99	19.05	19.13	19.31	19.15	19.21	
20	QPSK	50	0	19.16	19.22	19.40	19.24	19.28	20
20	QPSK	50	24	19.03	19.11	19.29	19.14	19.14	
20	QPSK	50	50	19.05	19.11	19.27	19.12	19.17	
20	QPSK	100	0	18.74	18.83	19.01	18.82	18.85	20
20	16QAM	1	0	19.09	19.07	19.33	19.08	19.11	
20	16QAM	1	49	18.93	18.92	19.20	18.96	18.99	
20	16QAM	1	99	18.95	19.00	19.14	18.99	19.05	20
20	16QAM	50	0	19.03	19.08	19.30	19.11	19.16	
20	16QAM	50	24	18.92	18.94	19.11	19.00	18.98	
20	16QAM	50	50	18.91	19.01	19.16	19.00	18.97	20
20	16QAM	100	0	18.56	18.71	18.90	18.72	18.66	
20	64QAM	1	0	19.08	19.07	19.25	19.09	19.16	
20	64QAM	1	49	18.98	18.97	19.12	19.02	19.00	20
20	64QAM	1	99	18.86	18.96	19.11	18.99	19.09	
20	64QAM	50	0	19.00	19.11	19.29	19.05	19.12	
20	64QAM	50	24	18.85	18.93	19.19	18.98	18.99	20
20	64QAM	50	50	18.89	18.95	19.12	18.92	19.06	
20	64QAM	100	0	18.59	18.69	18.89	18.64	18.74	
20	256QAM	1	0	19.02	19.13	19.23	19.13	19.13	20
20	256QAM	1	49	18.95	18.98	19.21	18.94	19.00	
20	256QAM	1	99	18.87	18.98	19.20	19.01	19.05	
20	256QAM	50	0	18.97	19.03	19.30	19.08	19.10	20
20	256QAM	50	24	18.85	18.92	19.18	18.98	19.00	
20	256QAM	50	50	18.88	19.00	19.12	18.97	19.07	
20	256QAM	100	0	18.62	18.63	18.87	18.70	18.71	
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	19.05	19.12	19.30	19.06	19.11	20.00
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	19.02	19.10	19.28	19.08	19.18	20.00
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	19.05	19.08	19.30	19.10	19.11	20.00



<LTE Band 41_Ant 4_DSI 5_Main PA>									
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	18.53	18.56	18.68	18.61	18.57	20.3
20	QPSK	1	49	18.43	18.47	18.60	18.55	18.49	
20	QPSK	1	99	18.46	18.47	18.63	18.55	18.51	
20	QPSK	50	0	18.51	18.55	18.66	18.60	18.55	20.3
20	QPSK	50	24	18.42	18.48	18.60	18.53	18.45	
20	QPSK	50	50	18.42	18.47	18.57	18.50	18.46	
20	QPSK	100	0	18.50	18.52	18.64	18.59	18.54	20.3
20	16QAM	1	0	18.46	18.47	18.60	18.53	18.48	
20	16QAM	1	49	18.33	18.38	18.50	18.50	18.40	
20	16QAM	1	99	18.40	18.38	18.55	18.45	18.41	20.3
20	16QAM	50	0	18.41	18.47	18.60	18.50	18.50	
20	16QAM	50	24	18.33	18.42	18.54	18.46	18.35	
20	16QAM	50	50	18.36	18.37	18.51	18.41	18.37	20.3
20	16QAM	100	0	18.43	18.44	18.55	18.53	18.47	
20	64QAM	1	0	18.48	18.51	18.58	18.56	18.48	
20	64QAM	1	49	18.36	18.41	18.53	18.50	18.39	20.3
20	64QAM	1	99	18.41	18.38	18.55	18.49	18.44	
20	64QAM	50	0	18.43	18.47	18.57	18.55	18.50	
20	64QAM	50	24	18.32	18.40	18.50	18.43	18.40	20.3
20	64QAM	50	50	18.36	18.40	18.51	18.41	18.36	
20	64QAM	100	0	18.44	18.47	18.58	18.50	18.45	
20	256QAM	1	0	17.59	17.34	17.76	17.47	17.38	19
20	256QAM	1	49	17.44	17.23	17.76	17.62	17.62	
20	256QAM	1	99	17.32	17.43	17.66	17.68	17.53	
20	256QAM	50	0	17.45	17.32	17.75	17.41	17.42	19
20	256QAM	50	24	17.20	17.27	17.71	17.73	17.21	
20	256QAM	50	50	17.52	17.17	17.61	17.48	17.48	
20	256QAM	100	0	17.21	17.27	17.78	17.52	17.66	
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	18.41	18.36	18.48	18.51	18.44	20.30
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	18.42	18.43	18.54	18.42	18.44	20.30
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	18.37	18.41	18.55	18.45	18.47	20.30



<LTE Band 41_Ant 5_DSI 5_Main PA>									
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	22.29	22.35	22.42	22.37	22.31	23
20	QPSK	1	49	22.10	22.15	22.26	22.24	22.16	
20	QPSK	1	99	22.16	22.20	22.32	22.22	22.11	
20	QPSK	50	0	22.14	22.21	22.31	22.20	22.13	23
20	QPSK	50	24	21.95	22.03	22.13	22.02	21.97	
20	QPSK	50	50	21.98	22.11	22.16	22.04	21.96	
20	QPSK	100	0	22.13	22.20	22.31	22.18	22.15	23
20	16QAM	1	0	22.09	22.21	22.30	22.19	22.12	
20	16QAM	1	49	21.98	21.96	22.08	22.09	22.04	
20	16QAM	1	99	21.96	22.04	22.19	22.05	22.00	23
20	16QAM	50	0	21.98	22.02	22.21	22.03	21.93	
20	16QAM	50	24	21.83	21.89	21.97	21.92	21.84	
20	16QAM	50	50	21.87	22.01	22.06	21.87	21.80	23
20	16QAM	100	0	21.97	22.10	22.19	22.08	22.01	
20	64QAM	1	0	22.10	22.20	22.31	22.18	22.16	
20	64QAM	1	49	21.93	21.96	22.14	22.04	22.04	23
20	64QAM	1	99	22.03	22.05	22.20	22.09	21.93	
20	64QAM	50	0	21.68	21.72	21.88	21.75	21.66	
20	64QAM	50	24	21.45	21.62	21.68	21.55	21.49	22.7
20	64QAM	50	50	21.53	21.67	21.73	21.56	21.56	
20	64QAM	100	0	21.63	21.77	21.86	21.68	21.69	
20	256QAM	1	0	19.88	19.95	19.99	19.92	19.83	20.7
20	256QAM	1	49	19.67	19.67	19.76	19.74	19.76	
20	256QAM	1	99	19.74	19.76	19.87	19.78	19.67	
20	256QAM	50	0	19.68	19.72	19.82	19.80	19.64	20.7
20	256QAM	50	24	19.47	19.53	19.73	19.52	19.53	
20	256QAM	50	50	19.50	19.61	19.71	19.58	19.48	
20	256QAM	100	0	19.65	19.77	19.90	19.72	19.66	
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	22.15	22.17	22.23	22.20	22.11	23.00
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	22.17	22.17	22.24	22.27	22.16	23.00
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	22.11	22.18	22.30	22.25	22.11	23.00



<b>&lt;LTE Band 42_Ant 6_DSI 5_Main PA&gt;</b>							
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	15.5
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	15.07	15.19	15.12	
20	QPSK	1	49	14.94	15.04	14.98	15.5
20	QPSK	1	99	14.90	15.03	14.98	
20	QPSK	50	0	15.05	15.17	15.07	
20	QPSK	50	24	14.91	15.08	14.98	15.5
20	QPSK	50	50	14.88	15.00	14.93	
20	QPSK	100	0	15.01	15.14	15.04	
20	16QAM	1	0	14.90	15.02	14.93	15.5
20	16QAM	1	49	14.75	14.90	14.86	
20	16QAM	1	99	14.76	14.90	14.78	
20	16QAM	50	0	14.92	14.98	14.97	15.5
20	16QAM	50	24	14.71	14.96	14.86	
20	16QAM	50	50	14.69	14.80	14.79	
20	16QAM	100	0	14.87	15.00	14.93	15.5
20	64QAM	1	0	14.93	15.01	14.98	
20	64QAM	1	49	14.78	14.86	14.85	
20	64QAM	1	99	14.73	14.89	14.79	15.5
20	64QAM	50	0	14.86	15.01	14.92	
20	64QAM	50	24	14.78	14.89	14.82	
20	64QAM	50	50	14.68	14.89	14.75	15.5
20	64QAM	100	0	14.90	14.97	14.87	
20	256QAM	1	0	14.96	14.99	14.99	
20	256QAM	1	49	14.83	14.88	14.80	15.5
20	256QAM	1	99	14.73	14.92	14.79	
20	256QAM	50	0	14.90	15.03	14.96	
20	256QAM	50	24	14.75	14.94	14.83	15.5
20	256QAM	50	50	14.70	14.87	14.79	
20	256QAM	100	0	14.85	15.03	14.85	
Channel				42165	42590	43015	15.5
Frequency (MHz)				3457.5	3500	3542.5	
15	QPSK	1	0	15.02	15.11	15.05	15.5
Channel				42140	42590	43040	15.5
Frequency (MHz)				3455	3500	3545	
10	QPSK	1	0	15.01	15.08	15.07	15.5
Channel				42115	42590	43065	15.5
Frequency (MHz)				3452.5	3500	3547.5	
5	QPSK	1	0	15.05	15.14	15.02	15.5



<LTE Band 42_Ant 7_DSI 5_Main PA>							
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	17.3
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	16.56	16.64	16.51	
20	QPSK	1	49	16.42	16.44	16.38	17.3
20	QPSK	1	99	16.39	16.53	16.35	
20	QPSK	50	0	16.55	16.61	16.49	
20	QPSK	50	24	16.39	16.54	16.35	17.3
20	QPSK	50	50	16.45	16.48	16.35	
20	QPSK	100	0	16.52	16.59	16.48	
20	16QAM	1	0	16.51	16.59	16.43	17.3
20	16QAM	1	49	16.34	16.36	16.31	
20	16QAM	1	99	16.31	16.43	16.28	
20	16QAM	50	0	16.47	16.54	16.44	17.3
20	16QAM	50	24	16.31	16.47	16.30	
20	16QAM	50	50	16.35	16.41	16.28	
20	16QAM	100	0	16.42	16.53	16.40	17.3
20	64QAM	1	0	16.48	16.57	16.45	
20	64QAM	1	49	16.32	16.34	16.28	
20	64QAM	1	99	16.34	16.44	16.25	17.3
20	64QAM	50	0	16.48	16.52	16.44	
20	64QAM	50	24	16.34	16.46	16.28	
20	64QAM	50	50	16.36	16.39	16.26	17.3
20	64QAM	100	0	16.42	16.51	16.43	
20	256QAM	1	0	16.51	16.59	16.43	
20	256QAM	1	49	16.33	16.37	16.30	17.3
20	256QAM	1	99	16.32	16.45	16.29	
20	256QAM	50	0	16.47	16.51	16.39	
20	256QAM	50	24	16.34	16.48	16.30	17.3
20	256QAM	50	50	16.36	16.40	16.26	
20	256QAM	100	0	16.45	16.49	16.38	
Channel				42165	42590	43015	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3500	3542.5	
15	QPSK	1	0	16.44	16.48	16.32	17.3
Channel				42140	42590	43040	Tune-up limit (dBm)
Frequency (MHz)				3455	3500	3545	
10	QPSK	1	0	16.38	16.45	16.31	17.3
Channel				42115	42590	43065	Tune-up limit (dBm)
Frequency (MHz)				3452.5	3500	3547.5	
5	QPSK	1	0	16.45	16.53	16.31	17.3



<LTE Band 42_Ant 8_DSI 5_Main PA>							
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	22.3
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	21.16	21.26	21.09	
20	QPSK	1	49	20.98	21.14	20.89	22.3
20	QPSK	1	99	20.99	21.11	20.98	
20	QPSK	50	0	21.00	21.15	20.90	
20	QPSK	50	24	20.90	21.00	20.70	22.3
20	QPSK	50	50	20.82	21.01	20.72	
20	QPSK	100	0	20.89	21.05	20.76	
20	16QAM	1	0	21.11	21.21	21.04	22.3
20	16QAM	1	49	20.88	21.06	20.80	
20	16QAM	1	99	20.94	21.06	20.92	
20	16QAM	50	0	20.95	21.07	20.82	22.3
20	16QAM	50	24	20.82	20.90	20.65	
20	16QAM	50	50	20.77	20.92	20.65	
20	16QAM	100	0	20.81	20.99	20.67	22.3
20	64QAM	1	0	20.99	21.10	20.94	
20	64QAM	1	49	20.84	20.97	20.75	
20	64QAM	1	99	20.86	20.93	20.81	21.5
20	64QAM	50	0	20.14	20.30	20.10	
20	64QAM	50	24	20.04	20.11	19.90	
20	64QAM	50	50	20.00	20.12	19.87	19.5
20	64QAM	100	0	19.99	20.19	19.96	
20	256QAM	1	0	18.27	18.46	18.25	
20	256QAM	1	49	18.12	18.28	18.03	19.5
20	256QAM	1	99	18.15	18.30	18.13	
20	256QAM	50	0	18.15	18.29	18.08	
20	256QAM	50	24	18.00	18.12	17.87	19.5
20	256QAM	50	50	17.96	18.19	17.90	
20	256QAM	100	0	18.07	18.21	17.86	
Channel				42165	42590	43015	22.3
Frequency (MHz)				3457.5	3500	3542.5	
15	QPSK	1	0	20.97	21.12	20.89	22.3
Channel				42140	42590	43040	22.3
Frequency (MHz)				3455	3500	3545	
10	QPSK	1	0	20.97	21.12	20.99	22.3
Channel				42115	42590	43065	22.3
Frequency (MHz)				3452.5	3500	3547.5	
5	QPSK	1	0	20.96	21.07	20.93	22.3



<LTE Band 42_Ant 9_DSI 5_Main PA>							
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	18.3
Frequency (MHz)				3460	3500	3540	
20	QPSK	1	0	17.14	17.20	17.11	
20	QPSK	1	49	16.98	17.07	16.99	18.3
20	QPSK	1	99	17.03	17.01	16.95	
20	QPSK	50	0	17.12	17.19	17.08	
20	QPSK	50	24	16.95	17.01	16.98	18.3
20	QPSK	50	50	16.96	17.10	16.98	
20	QPSK	100	0	17.13	17.16	17.09	
20	16QAM	1	0	16.95	17.02	16.96	18.3
20	16QAM	1	49	16.84	16.95	16.85	
20	16QAM	1	99	16.86	16.89	16.75	
20	16QAM	50	0	17.08	17.13	17.01	18.3
20	16QAM	50	24	16.91	16.97	16.98	
20	16QAM	50	50	16.91	17.09	16.91	
20	16QAM	100	0	17.12	17.12	16.99	18.3
20	64QAM	1	0	16.88	17.00	16.90	
20	64QAM	1	49	16.83	16.87	16.85	
20	64QAM	1	99	16.85	16.83	16.68	18.3
20	64QAM	50	0	17.08	17.15	16.98	
20	64QAM	50	24	16.91	16.97	16.89	
20	64QAM	50	50	16.93	17.04	16.97	18.3
20	64QAM	100	0	17.11	17.13	17.09	
20	256QAM	1	0	16.90	16.92	16.83	
20	256QAM	1	49	16.78	16.84	16.79	18.3
20	256QAM	1	99	16.77	16.80	16.65	
20	256QAM	50	0	16.98	17.09	17.01	
20	256QAM	50	24	16.84	16.91	16.89	18.3
20	256QAM	50	50	16.90	16.98	16.93	
20	256QAM	100	0	17.04	17.09	17.02	
Channel				42165	42590	43015	18.3
Frequency (MHz)				3457.5	3500	3542.5	
15	QPSK	1	0	17.08	17.13	17.05	18.3
Channel				42140	42590	43040	18.3
Frequency (MHz)				3455	3500	3545	
10	QPSK	1	0	17.11	17.17	17.04	18.3
Channel				42115	42590	43065	18.3
Frequency (MHz)				3452.5	3500	3547.5	
5	QPSK	1	0	17.05	17.12	17.02	18.3



<LTE Band 48_Ant 6_DSI 5_Main PA>								
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	17
Frequency (MHz)				3560	3609	3641	3690	
20	QPSK	1	0	16.72	16.86	16.69	16.79	17
20	QPSK	1	49	16.53	16.73	16.57	16.66	
20	QPSK	1	99	16.54	16.72	16.57	16.59	
20	QPSK	50	0	16.71	16.80	16.64	16.75	17
20	QPSK	50	24	16.55	16.71	16.54	16.63	
20	QPSK	50	50	16.62	16.69	16.51	16.62	
20	QPSK	100	0	16.70	16.79	16.62	16.74	17
20	16QAM	1	0	16.53	16.71	16.49	16.62	
20	16QAM	1	49	16.35	16.56	16.45	16.52	
20	16QAM	1	99	16.43	16.53	16.41	16.45	17
20	16QAM	50	0	16.51	16.61	16.54	16.57	
20	16QAM	50	24	16.35	16.55	16.35	16.48	
20	16QAM	50	50	16.46	16.55	16.40	16.42	17
20	16QAM	100	0	16.51	16.63	16.47	16.56	
20	64QAM	1	0	16.59	16.72	16.58	16.67	
20	64QAM	1	49	16.34	16.60	16.39	16.55	17
20	64QAM	1	99	16.36	16.55	16.42	16.41	
20	64QAM	50	0	16.59	16.69	16.45	16.59	
20	64QAM	50	24	16.36	16.59	16.39	16.50	17
20	64QAM	50	50	16.43	16.51	16.36	16.47	
20	64QAM	100	0	16.57	16.61	16.44	16.62	
20	256QAM	1	0	16.53	16.73	16.54	16.60	17
20	256QAM	1	49	16.42	16.56	16.37	16.50	
20	256QAM	1	99	16.39	16.52	16.40	16.48	
20	256QAM	50	0	16.57	16.63	16.54	16.55	17
20	256QAM	50	24	16.37	16.61	16.34	16.51	
20	256QAM	50	50	16.45	16.57	16.33	16.43	
20	256QAM	100	0	16.57	16.68	16.46	16.59	17
Channel				55315	55820	56160	56665	
Frequency (MHz)				3557.5	3608	3642	3692.5	
15	QPSK	1	0	16.62	16.72	16.58	16.65	17
Channel				55290	55815	56165	56690	17
Frequency (MHz)				3555	3607.5	3642.5	3695	
10	QPSK	1	0	16.58	16.66	16.57	16.68	17
Channel				55265	55810	56170	56715	17
Frequency (MHz)				3552.5	3607	3643	3697.5	
5	QPSK	1	0	16.60	16.66	16.53	16.59	17





<LTE Band 48_Ant 7_DSI 5_Main PA>								
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	Tune-up limit (dBm)
Frequency (MHz)				3560	3609	3641	3690	
20	QPSK	1	0	16.02	16.05	16.02	16.01	16.3
20	QPSK	1	49	15.88	15.88	15.85	15.87	
20	QPSK	1	99	15.87	15.90	15.86	15.81	
20	QPSK	50	0	15.98	15.99	15.97	15.98	16.3
20	QPSK	50	24	15.87	15.89	15.92	15.89	
20	QPSK	50	50	15.86	15.94	15.82	15.89	
20	QPSK	100	0	15.90	15.94	15.87	15.82	
20	16QAM	1	0	15.94	15.98	15.94	15.93	16.3
20	16QAM	1	49	15.83	15.83	15.80	15.79	
20	16QAM	1	99	15.77	15.80	15.77	15.75	
20	16QAM	50	0	15.90	15.92	15.91	15.93	16.3
20	16QAM	50	24	15.77	15.84	15.85	15.84	
20	16QAM	50	50	15.81	15.87	15.73	15.84	
20	16QAM	100	0	15.85	15.86	15.78	15.74	
20	64QAM	1	0	15.95	15.99	15.95	15.94	16.3
20	64QAM	1	49	15.82	15.82	15.76	15.80	
20	64QAM	1	99	15.79	15.83	15.80	15.75	
20	64QAM	50	0	15.89	15.89	15.87	15.91	16.3
20	64QAM	50	24	15.79	15.83	15.85	15.82	
20	64QAM	50	50	15.79	15.86	15.77	15.84	
20	64QAM	100	0	15.83	15.84	15.77	15.72	
20	256QAM	1	0	15.95	15.99	15.97	15.92	16.3
20	256QAM	1	49	15.81	15.82	15.80	15.78	
20	256QAM	1	99	15.81	15.82	15.80	15.74	
20	256QAM	50	0	15.93	15.93	15.92	15.89	16.3
20	256QAM	50	24	15.81	15.79	15.86	15.79	
20	256QAM	50	50	15.78	15.88	15.75	15.79	
20	256QAM	100	0	15.80	15.88	15.80	15.75	
Channel				55315	55820	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3642	3692.5	
15	QPSK	1	0	15.84	15.93	15.87	15.89	16.3
Channel				55290	55815	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3642.5	3695	
10	QPSK	1	0	15.82	15.89	15.89	15.87	16.3
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	15.89	15.89	16.3



<LTE Band 48_Ant 8_DSI 5_Main PA>								
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	Tune-up limit (dBm)
Frequency (MHz)				3560	3609	3641	3690	
20	QPSK	1	0	20.50	20.66	20.56	20.61	21.3
20	QPSK	1	49	20.32	20.51	20.46	20.43	
20	QPSK	1	99	20.37	20.50	20.46	20.43	
20	QPSK	50	0	20.38	20.51	20.45	20.51	21.3
20	QPSK	50	24	20.26	20.32	20.34	20.34	
20	QPSK	50	50	20.21	20.35	20.26	20.32	
20	QPSK	100	0	20.15	20.27	20.16	20.23	
20	16QAM	1	0	20.40	20.47	20.38	20.41	21.3
20	16QAM	1	49	20.21	20.37	20.32	20.32	
20	16QAM	1	99	20.18	20.39	20.33	20.25	
20	16QAM	50	0	19.64	19.85	19.72	19.73	20.5
20	16QAM	50	24	19.50	19.67	19.63	19.58	
20	16QAM	50	50	19.54	19.68	19.61	19.63	
20	16QAM	100	0	19.54	19.70	19.58	19.62	
20	64QAM	1	0	19.37	19.46	19.52	19.45	20.5
20	64QAM	1	49	19.37	19.47	19.37	19.48	
20	64QAM	1	99	19.30	19.40	19.30	19.37	
20	64QAM	50	0	18.52	18.62	18.56	18.63	19.5
20	64QAM	50	24	18.38	18.46	18.46	18.54	
20	64QAM	50	50	18.37	18.45	18.38	18.44	
20	64QAM	100	0	18.30	18.37	18.27	18.41	
20	256QAM	1	0	16.65	16.85	16.69	16.77	17.5
20	256QAM	1	49	16.48	16.71	16.57	16.58	
20	256QAM	1	99	16.47	16.61	16.63	16.63	
20	256QAM	50	0	16.52	16.67	16.59	16.64	17.5
20	256QAM	50	24	16.39	16.49	16.52	16.51	
20	256QAM	50	50	16.40	16.53	16.45	16.51	
20	256QAM	100	0	16.31	16.40	16.35	16.37	
Channel				55315	55820	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3642	3692.5	
15	QPSK	1	0	20.38	20.49	20.43	20.46	21.3
Channel				55290	55815	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3642.5	3695	
10	QPSK	1	0	20.33	20.53	20.38	20.44	21.3
Channel				55265	55810	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3643	3697.5	
5	QPSK	1	0	20.38	20.48	20.40	20.41	21.3



<LTE Band 48_Ant 9_DSI 5_Main PA>								
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	Tune-up limit (dBm)
Frequency (MHz)				3560	3609	3641	3690	
20	QPSK	1	0	20.11	20.24	20.18	20.21	20.8
20	QPSK	1	49	19.91	20.05	20.06	20.03	
20	QPSK	1	99	19.99	20.12	19.99	20.11	
20	QPSK	50	0	19.99	20.09	20.06	20.02	20.8
20	QPSK	50	24	20.01	20.11	19.99	20.06	
20	QPSK	50	50	19.92	20.09	20.05	20.08	
20	QPSK	100	0	19.95	20.10	20.00	20.04	
20	16QAM	1	0	20.00	20.07	20.06	20.02	20.8
20	16QAM	1	49	19.96	20.14	19.98	20.08	
20	16QAM	1	99	19.94	20.04	20.02	20.10	
20	16QAM	50	0	19.12	19.28	19.21	19.26	20
20	16QAM	50	24	19.21	19.28	19.25	19.30	
20	16QAM	50	50	19.21	19.34	19.25	19.31	
20	16QAM	100	0	19.16	19.27	19.26	19.31	
20	64QAM	1	0	19.19	19.34	19.23	19.28	20
20	64QAM	1	49	19.20	19.27	19.19	19.28	
20	64QAM	1	99	19.16	19.27	19.18	19.34	
20	64QAM	50	0	18.20	18.35	18.31	18.20	19
20	64QAM	50	24	18.00	18.14	18.12	18.06	
20	64QAM	50	50	18.06	18.22	18.07	18.18	
20	64QAM	100	0	17.99	18.25	18.14	18.05	
20	256QAM	1	0	16.10	16.22	16.05	16.06	17
20	256QAM	1	49	15.97	16.16	16.14	16.09	
20	256QAM	1	99	15.97	16.25	16.05	16.10	
20	256QAM	50	0	16.09	16.18	16.14	16.07	17
20	256QAM	50	24	15.97	16.25	16.02	16.15	
20	256QAM	50	50	15.94	16.11	16.13	16.19	
20	256QAM	100	0	16.15	16.33	16.29	16.28	
Channel				55315	55820	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3642	3692.5	
15	QPSK	1	0	20.01	20.10	20.06	20.03	20.8
Channel				55290	55815	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3642.5	3695	
10	QPSK	1	0	20.00	20.11	20.01	20.04	20.8
Channel				55265	55810	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3643	3697.5	
5	QPSK	1	0	19.92	20.12	20.02	20.02	20.8



**<FR1 n5\_Ant 0\_DSI 5\_Main PA>**

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	24.7
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	23.97	24.02	24.04	
20	PI/2 BPSK	1	53	23.81	23.92	23.90	24.7
20	PI/2 BPSK	1	104	23.86	23.88	23.92	
20	PI/2 BPSK	50	0	23.66	23.78	23.79	
20	PI/2 BPSK	50	28	23.85	24.00	23.90	24.7
20	PI/2 BPSK	50	56	23.70	23.84	23.77	
20	PI/2 BPSK	100	0	23.88	23.89	23.81	
20	QPSK	1	1	24.12	24.22	24.16	24.7
20	QPSK	1	53	23.97	24.10	24.00	
20	QPSK	1	104	23.99	24.06	24.02	
20	QPSK	50	0	23.81	23.97	23.93	24.7
20	QPSK	50	28	24.00	24.12	24.05	
20	QPSK	50	56	23.86	23.94	23.88	
20	QPSK	100	0	24.01	24.05	23.97	24.7
20	16QAM	1	1	23.92	24.11	24.02	
20	64QAM	1	1	22.45	22.61	22.55	
20	256QAM	1	1	20.47	20.61	20.48	21.2
Channel				166300	167300	168300	24.7
Frequency (MHz)				831.5	836.5	841.5	
15	PI/2 BPSK	1	1	23.94	24.09	23.97	
Channel				165800	167300	168800	24.7
Frequency (MHz)				829	836.5	844	
10	PI/2 BPSK	1	1	23.99	24.09	24.03	
Channel				165300	167300	169300	24.7
Frequency (MHz)				826.5	836.5	846.5	
5	PI/2 BPSK	1	1	24.00	24.12	24.00	



<FR1 n5\_Ant 0\_DSI 5\_Other PA>

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	23.76	23.90	23.73	24.5
20	PI/2 BPSK	1	53	23.62	23.71	23.67	
20	PI/2 BPSK	1	104	23.62	23.66	23.69	
20	PI/2 BPSK	50	0	23.66	23.69	23.62	24.5
20	PI/2 BPSK	50	28	23.66	23.74	23.63	24.5
20	PI/2 BPSK	50	56	23.52	23.74	23.64	24.5
20	PI/2 BPSK	100	0	23.64	23.82	23.57	
20	QPSK	1	1	23.91	24.03	23.93	24.5
20	QPSK	1	53	23.80	23.89	23.79	
20	QPSK	1	104	23.80	23.86	23.79	
20	QPSK	50	0	23.80	23.87	23.73	24.5
20	QPSK	50	28	23.81	23.91	23.81	24.5
20	QPSK	50	56	23.71	23.84	23.83	24.5
20	QPSK	100	0	23.75	23.92	23.77	
20	16QAM	1	1	23.71	23.89	23.73	24.5
20	64QAM	1	1	22.41	22.53	22.36	23.0
20	256QAM	1	1	20.35	20.44	20.36	21.0
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	
15	PI/2 BPSK	1	1	23.72	23.93	23.74	24.5
Channel				165800	167300	168800	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	PI/2 BPSK	1	1	23.74	23.85	23.73	24.5
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	PI/2 BPSK	1	1	23.76	23.87	23.73	24.5



<FR1 n5\_Ant 1\_DSI 5\_Main PA>

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	21.0
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	20.26	20.41	20.27	21.0
20	PI/2 BPSK	1	53	20.13	20.31	20.21	
20	PI/2 BPSK	1	104	20.16	20.33	20.25	
20	PI/2 BPSK	50	0	20.18	20.30	20.24	21.0
20	PI/2 BPSK	50	28	20.23	20.40	20.25	21.0
20	PI/2 BPSK	50	56	20.21	20.31	20.21	21.0
20	PI/2 BPSK	100	0	20.20	20.36	20.28	
20	QPSK	1	1	20.33	20.47	20.36	21.0
20	QPSK	1	53	20.23	20.38	20.27	
20	QPSK	1	104	20.24	20.42	20.31	
20	QPSK	50	0	20.28	20.40	20.29	21.0
20	QPSK	50	28	20.31	20.45	20.35	21.0
20	QPSK	50	56	20.28	20.39	20.26	21.0
20	QPSK	100	0	20.29	20.44	20.36	
20	16QAM	1	1	20.14	20.33	20.25	21.0
20	64QAM	1	1	20.13	20.34	20.22	21.0
20	256QAM	1	1	20.22	20.36	20.23	21.0
Channel				166300	167300	168300	21.0
Frequency (MHz)				831.5	836.5	841.5	
15	PI/2 BPSK	1	1	20.15	20.33	20.23	21.0
Channel				165800	167300	168800	21.0
Frequency (MHz)				829	836.5	844	
10	PI/2 BPSK	1	1	20.20	20.34	20.20	21.0
Channel				165300	167300	169300	21.0
Frequency (MHz)				826.5	836.5	846.5	
5	PI/2 BPSK	1	1	20.20	20.33	20.18	21.0



<FR1 n5\_Ant 1\_DSI 5\_Other PA>

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	21.0
Frequency (MHz)				834	836.5	839	
20	PI/2 BPSK	1	1	20.11	20.18	20.17	21.0
20	PI/2 BPSK	1	53	20.04	20.13	20.12	
20	PI/2 BPSK	1	104	20.03	20.10	20.11	
20	PI/2 BPSK	50	0	20.04	20.12	20.10	21.0
20	PI/2 BPSK	50	28	20.08	20.18	20.20	21.0
20	PI/2 BPSK	50	56	20.04	20.16	20.07	21.0
20	PI/2 BPSK	100	0	20.08	20.13	20.14	
20	QPSK	1	1	20.19	20.28	20.27	21.0
20	QPSK	1	53	20.14	20.20	20.18	
20	QPSK	1	104	20.11	20.20	20.18	
20	QPSK	50	0	20.11	20.20	20.17	21.0
20	QPSK	50	28	20.17	20.27	20.25	21.0
20	QPSK	50	56	20.14	20.22	20.17	21.0
20	QPSK	100	0	20.13	20.19	20.20	
20	16QAM	1	1	20.08	20.17	20.15	21.0
20	64QAM	1	1	20.03	20.08	20.08	21.0
20	256QAM	1	1	20.08	20.11	20.07	21.0
Channel				166300	167300	168300	21.0
Frequency (MHz)				831.5	836.5	841.5	
15	PI/2 BPSK	1	1	20.02	20.16	20.16	21.0
Channel				165800	167300	168800	21.0
Frequency (MHz)				829	836.5	844	
10	PI/2 BPSK	1	1	20.02	20.18	20.08	21.0
Channel				165300	167300	169300	21.0
Frequency (MHz)				826.5	836.5	846.5	
5	PI/2 BPSK	1	1	20.05	20.10	20.13	21.0



<FR1 n7\_Ant 2\_DSI 5\_Main PA>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				505000	507000	509000	Tune-up limit (dBm)
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	16.96	17.00	16.94	17.2
50	PI/2 BPSK	1	135	16.87	16.92	16.89	
50	PI/2 BPSK	1	268	16.87	16.92	16.92	
50	PI/2 BPSK	135	0	16.94	16.94	16.94	17.2
50	PI/2 BPSK	135	68	16.92	16.97	16.94	17.2
50	PI/2 BPSK	135	135	16.87	16.96	16.85	17.2
50	PI/2 BPSK	270	0	16.94	16.98	16.96	
50	QPSK	1	1	17.02	17.09	17.04	17.2
50	QPSK	1	135	16.95	17.01	16.95	
50	QPSK	1	268	16.95	17.01	16.98	
50	QPSK	135	0	17.01	17.04	17.02	17.2
50	QPSK	135	68	17.02	17.05	17.03	17.2
50	QPSK	135	135	16.94	17.04	16.95	17.2
50	QPSK	270	0	17.02	17.06	17.03	
50	16QAM	1	1	16.86	16.95	16.89	17.2
50	64QAM	1	1	16.86	16.90	16.88	17.2
50	256QAM	1	1	16.90	16.91	16.92	17.2
Channel				504000	507000	510000	Tune-up limit (dBm)
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	16.91	16.96	16.85	17.2
Channel				503000	507000	511000	Tune-up limit (dBm)
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	16.90	16.90	16.89	17.2
Channel				502500	507000	511500	Tune-up limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	16.83	16.91	16.91	17.2
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	16.89	16.91	16.91	17.2
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	16.82	16.99	16.91	17.2
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	16.92	16.91	16.85	17.2
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	16.90	16.98	16.84	17.2





**<FR1 n7\_Ant 3\_DSI 5\_Main PA>**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				505000	507000	509000	17.2
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	16.48	16.54	16.43	
50	PI/2 BPSK	1	135	16.35	16.47	16.38	17.2
50	PI/2 BPSK	1	268	16.40	16.42	16.33	
50	PI/2 BPSK	135	0	16.41	16.46	16.35	
50	PI/2 BPSK	135	68	16.47	16.53	16.34	17.2
50	PI/2 BPSK	135	135	16.42	16.47	16.31	17.2
50	PI/2 BPSK	270	0	16.39	16.49	16.31	
50	QPSK	1	1	16.54	16.62	16.49	
50	QPSK	1	135	16.45	16.52	16.44	17.2
50	QPSK	1	268	16.47	16.52	16.42	
50	QPSK	135	0	16.48	16.52	16.40	
50	QPSK	135	68	16.52	16.58	16.42	17.2
50	QPSK	135	135	16.48	16.53	16.40	17.2
50	QPSK	270	0	16.48	16.54	16.39	
50	16QAM	1	1	16.35	16.50	16.32	
50	64QAM	1	1	16.37	16.50	16.38	17.2
50	256QAM	1	1	16.44	16.47	16.39	17.2
Channel				504000	507000	510000	17.2
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	16.34	16.52	16.31	
Channel				503000	507000	511000	17.2
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	16.38	16.44	16.32	
Channel				502500	507000	511500	17.2
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	16.43	16.45	16.37	
Channel				502000	507000	512000	17.2
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	16.41	16.47	16.35	
Channel				501500	507000	512500	17.2
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	16.35	16.46	16.35	
Channel				501000	507000	513000	17.2
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	16.41	16.49	16.29	
Channel				500500	507000	513500	17.2
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	16.36	16.52	16.30	



<FR1 n7\_Ant 4\_DSI 5\_Main PA>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				505000	507000	509000	Tune-up limit (dBm)
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	16.94	17.02	16.89	18.5
50	PI/2 BPSK	1	135	16.84	16.99	16.83	
50	PI/2 BPSK	1	268	16.85	17.00	16.80	
50	PI/2 BPSK	135	0	16.84	16.88	16.83	18.5
50	PI/2 BPSK	135	68	16.92	16.98	16.86	18.5
50	PI/2 BPSK	135	135	16.82	16.89	16.76	18.5
50	PI/2 BPSK	270	0	16.92	16.97	16.85	
50	QPSK	1	1	17.03	17.12	16.98	18.5
50	QPSK	1	135	16.94	17.05	16.90	
50	QPSK	1	268	16.95	17.07	16.88	
50	QPSK	135	0	16.89	16.95	16.88	18.5
50	QPSK	135	68	16.97	17.05	16.93	18.5
50	QPSK	135	135	16.91	16.95	16.83	18.5
50	QPSK	270	0	16.98	17.07	16.91	
50	16QAM	1	1	16.86	16.93	16.84	18.5
50	64QAM	1	1	16.84	16.92	16.83	18.5
50	256QAM	1	1	16.85	16.96	16.83	18.5
Channel				504000	507000	510000	Tune-up limit (dBm)
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	16.92	16.93	16.84	18.5
Channel				503000	507000	511000	Tune-up limit (dBm)
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	16.84	17.01	16.85	18.5
Channel				502500	507000	511500	Tune-up limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	16.86	16.98	16.85	18.5
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	16.84	17.02	16.78	18.5
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	16.86	17.01	16.88	18.5
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	16.89	16.95	16.88	18.5
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	16.85	16.97	16.79	18.5



<FR1 n7\_Ant 5\_DSI 5\_Main PA>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				505000	507000	509000	Tune-up limit (dBm)
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	20.05	20.14	20.15	20.7
50	PI/2 BPSK	1	135	19.82	20.02	19.98	
50	PI/2 BPSK	1	268	19.91	20.03	19.99	
50	PI/2 BPSK	135	0	19.88	20.00	19.92	20.7
50	PI/2 BPSK	135	68	19.88	20.05	20.02	20.7
50	PI/2 BPSK	135	135	19.93	19.96	19.96	20.7
50	PI/2 BPSK	270	0	19.88	19.98	20.03	
50	QPSK	1	1	20.11	20.23	20.20	20.7
50	QPSK	1	135	19.91	20.10	20.05	
50	QPSK	1	268	20.01	20.10	20.07	
50	QPSK	135	0	19.93	20.08	20.00	20.7
50	QPSK	135	68	19.96	20.12	20.09	20.7
50	QPSK	135	135	19.98	20.03	20.01	20.7
50	QPSK	270	0	19.98	20.05	20.09	
50	16QAM	1	1	19.98	20.10	20.01	20.7
50	64QAM	1	1	20.00	20.10	20.00	20.7
50	256QAM	1	1	19.93	20.08	20.10	20.7
Channel				504000	507000	510000	Tune-up limit (dBm)
Frequency (MHz)				2520	2535	2550	
40	PI/2 BPSK	1	1	20.01	20.11	20.05	20.7
Channel				503000	507000	511000	Tune-up limit (dBm)
Frequency (MHz)				2515	2535	2555	
30	PI/2 BPSK	1	1	19.96	20.03	20.10	20.7
Channel				502500	507000	511500	Tune-up limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	
25	PI/2 BPSK	1	1	19.92	20.11	20.06	20.7
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	
20	PI/2 BPSK	1	1	19.95	20.13	20.01	20.7
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	PI/2 BPSK	1	1	19.95	20.06	20.00	20.7
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	PI/2 BPSK	1	1	20.01	20.09	20.02	20.7
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	PI/2 BPSK	1	1	19.98	20.03	20.09	20.7



**<FR1 n12\_Ant 0\_DSI 5\_Main PA>**

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	25.0
Frequency (MHz)				706.5	707.5	708.5	
15	PI/2 BPSK	1	1	23.44	24.51	24.48	25.0
15	PI/2 BPSK	1	40	24.33	24.46	24.43	
15	PI/2 BPSK	1	77	24.37	24.43	24.40	
15	PI/2 BPSK	36	0	23.81	23.91	23.86	24.5
15	PI/2 BPSK	36	22	24.30	24.45	24.32	25.0
15	PI/2 BPSK	36	43	23.79	23.91	23.82	24.5
15	PI/2 BPSK	75	0	23.81	23.96	23.87	
15	QPSK	1	1	24.49	24.56	24.55	25.0
15	QPSK	1	40	24.10	24.35	24.15	
15	QPSK	1	77	24.28	24.34	24.31	
15	QPSK	36	0	23.86	23.88	23.87	24.0
15	QPSK	36	22	23.81	23.93	23.88	25.0
15	QPSK	36	43	23.38	23.49	23.43	24.0
15	QPSK	75	0	23.42	23.46	23.44	
15	16QAM	1	1	23.31	23.41	23.38	24.0
15	64QAM	1	1	21.77	21.93	21.83	22.5
	256QAM	1	1	20.32	20.48	20.42	20.5
Channel				140800	141500	142200	25.0
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	24.36	24.41	24.40	25.0
Channel				140300	141500	142700	25.0
Frequency (MHz)				701.5	707.5	713.5	
5	PI/2 BPSK	1	1	24.32	24.39	24.36	25.0



<FR1 n12\_Ant 1\_DSI 5\_Main PA>

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	Tune-up limit (dBm)
Frequency (MHz)				706.5	707.5	708.5	
15	PI/2 BPSK	1	1	22.77	22.89	22.82	23.0
15	PI/2 BPSK	1	40	22.72	22.78	22.75	
15	PI/2 BPSK	1	77	22.71	22.80	22.72	
15	PI/2 BPSK	36	0	22.67	22.79	22.68	23.0
15	PI/2 BPSK	36	22	22.73	22.87	22.75	23.0
15	PI/2 BPSK	36	43	22.72	22.79	22.77	23.0
15	PI/2 BPSK	75	0	22.73	22.84	22.81	
15	QPSK	1	1	22.83	22.95	22.88	23.0
15	QPSK	1	40	22.78	22.86	22.80	
15	QPSK	1	77	22.78	22.86	22.79	
15	QPSK	36	0	22.74	22.88	22.78	23.0
15	QPSK	36	22	22.82	22.92	22.85	23.0
15	QPSK	36	43	22.77	22.86	22.82	23.0
15	QPSK	75	0	22.81	22.90	22.86	
15	16QAM	1	1	22.70	22.78	22.77	23.0
15	64QAM	1	1	21.79	21.93	21.87	22.0
	256QAM	1	1	19.74	19.91	19.84	20.0
Channel				140800	141500	142200	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	PI/2 BPSK	1	1	22.66	22.82	22.75	23.0
Channel				140300	141500	142700	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	PI/2 BPSK	1	1	22.68	22.78	22.77	23.0



<FR1 n25\_Ant 2\_DSI 5\_Main PA>

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	18.57	18.67	18.62	19.5
40	PI/2 BPSK	1	108	18.51	18.65	18.57	
40	PI/2 BPSK	1	214	18.52	18.62	18.55	
40	PI/2 BPSK	108	0	18.51	18.64	18.54	19.5
40	PI/2 BPSK	108	54	18.54	18.66	18.64	19.5
40	PI/2 BPSK	108	108	18.48	18.60	18.56	19.5
40	PI/2 BPSK	216	0	18.51	18.64	18.55	
40	QPSK	1	1	18.64	18.77	18.72	19.5
40	QPSK	1	108	18.56	18.72	18.66	
40	QPSK	1	214	18.57	18.69	18.63	
40	QPSK	108	0	18.56	18.70	18.64	19.5
40	QPSK	108	54	18.63	18.75	18.70	19.5
40	QPSK	108	108	18.58	18.69	18.62	19.5
40	QPSK	216	0	18.60	18.74	18.65	
40	16QAM	1	1	18.49	18.59	18.55	19.5
40	64QAM	1	1	18.52	18.58	18.57	19.5
40	256QAM	1	1	18.53	18.61	18.59	19.5
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	18.53	18.59	18.60	19.5
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	18.48	18.57	18.56	19.5
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	18.47	18.64	18.54	19.5
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	18.50	18.60	18.62	19.5
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	18.44	18.60	18.62	19.5
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	18.46	18.66	18.53	19.5



<FR1 n25\_Ant 3\_DSI 5\_Main PA>

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	17.25	17.43	17.22	19.0
40	PI/2 BPSK	1	108	17.17	17.32	17.14	
40	PI/2 BPSK	1	214	17.12	17.32	17.13	
40	PI/2 BPSK	108	0	17.13	17.33	17.16	19.0
40	PI/2 BPSK	108	54	17.18	17.38	17.23	19.0
40	PI/2 BPSK	108	108	17.12	17.28	17.17	19.0
40	PI/2 BPSK	216	0	17.24	17.41	17.20	
40	QPSK	1	1	17.31	17.49	17.29	19.0
40	QPSK	1	108	17.23	17.39	17.22	
40	QPSK	1	214	17.21	17.39	17.19	
40	QPSK	108	0	17.20	17.42	17.21	19.0
40	QPSK	108	54	17.25	17.47	17.28	19.0
40	QPSK	108	108	17.17	17.37	17.22	19.0
40	QPSK	216	0	17.29	17.46	17.28	
40	16QAM	1	1	17.13	17.33	17.13	19.0
40	64QAM	1	1	17.15	17.36	17.11	19.0
40	256QAM	1	1	17.12	17.36	17.12	19.0
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	17.19	17.29	17.11	19.0
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	17.11	17.33	17.09	19.0
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	17.14	17.29	17.10	19.0
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	17.15	17.31	17.17	19.0
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	17.21	17.38	17.16	19.0
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	17.21	17.37	17.13	19.0



<FR1 n25\_Ant 4\_DSI 5\_Main PA>

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	19.0
Frequency (MHz)				1870	1882.5	1895	
40	PI/2 BPSK	1	1	17.35	17.42	17.39	19.0
40	PI/2 BPSK	1	108	17.29	17.34	17.37	
40	PI/2 BPSK	1	214	17.29	17.37	17.30	
40	PI/2 BPSK	108	0	17.24	17.28	17.28	19.0
40	PI/2 BPSK	108	54	17.32	17.40	17.34	19.0
40	PI/2 BPSK	108	108	17.25	17.29	17.29	19.0
40	PI/2 BPSK	216	0	17.28	17.33	17.36	
40	QPSK	1	1	17.43	17.51	17.49	19.0
40	QPSK	1	108	17.34	17.43	17.42	
40	QPSK	1	214	17.36	17.46	17.40	
40	QPSK	108	0	17.34	17.36	17.38	19.0
40	QPSK	108	54	17.40	17.46	17.43	19.0
40	QPSK	108	108	17.34	17.36	17.38	19.0
40	QPSK	216	0	17.36	17.43	17.46	
40	16QAM	1	1	17.23	17.41	17.31	19.0
40	64QAM	1	1	17.32	17.32	17.36	19.0
40	256QAM	1	1	17.32	17.33	17.38	19.0
Channel				373000	376500	380000	19.0
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	17.32	17.37	17.29	19.0
Channel				372500	376500	380500	19.0
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	17.23	17.33	17.39	19.0
Channel				372000	376500	381000	19.0
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	17.23	17.31	17.32	19.0
Channel				371500	376500	381500	19.0
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	17.23	17.41	17.34	19.0
Channel				371000	376500	382000	19.0
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	17.30	17.36	17.33	19.0
Channel				370500	376500	382500	19.0
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	17.24	17.35	17.33	19.0





<FR1 n25\_Ant 5\_DSI 5\_Main PA>

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	21.09	21.25	21.20	23.0
40	PI/2 BPSK	1	108	21.06	21.11	21.05	
40	PI/2 BPSK	1	214	21.01	21.08	21.09	
40	PI/2 BPSK	108	0	21.02	21.00	21.03	23.0
40	PI/2 BPSK	108	54	21.06	21.07	21.09	23.0
40	PI/2 BPSK	108	108	21.04	21.03	21.08	23.0
40	PI/2 BPSK	216	0	21.02	21.16	21.04	
40	QPSK	1	1	21.12	21.27	21.24	23.0
40	QPSK	1	108	21.07	21.14	21.09	
40	QPSK	1	214	21.02	21.09	21.14	
40	QPSK	108	0	21.02	21.02	21.07	23.0
40	QPSK	108	54	21.07	21.09	21.13	23.0
40	QPSK	108	108	21.04	21.04	21.09	23.0
40	QPSK	216	0	21.04	21.17	21.05	
40	16QAM	1	1	21.04	21.08	21.08	23.0
40	64QAM	1	1	20.69	20.84	20.83	22.5
40	256QAM	1	1	18.62	18.80	18.79	20.5
Channel				373000	376500	380000	Tune-up limit (dBm)
Frequency (MHz)				1865	1882.5	1900	
30	PI/2 BPSK	1	1	21.02	21.10	21.04	23.0
Channel				372500	376500	380500	Tune-up limit (dBm)
Frequency (MHz)				1862.5	1882.5	1902.5	
25	PI/2 BPSK	1	1	21.01	21.16	21.04	23.0
Channel				372000	376500	381000	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	PI/2 BPSK	1	1	21.05	21.14	21.10	23.0
Channel				371500	376500	381500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	PI/2 BPSK	1	1	21.00	21.07	21.08	23.0
Channel				371000	376500	382000	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	PI/2 BPSK	1	1	21.03	21.15	21.10	23.0
Channel				370500	376500	382500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	PI/2 BPSK	1	1	21.01	21.08	21.04	23.0



<FR1 n26\_Ant 0\_DSI 5\_Main PA>

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	Tune-up limit (dBm)
Frequency (MHz)				824	831.5	839	
20	PI/2 BPSK	1	1	25.10	25.25	24.98	25.7
20	PI/2 BPSK	1	53	25.11	25.23	25.00	
20	PI/2 BPSK	1	104	25.08	25.21	24.94	
20	PI/2 BPSK	50	0	24.52	24.65	24.37	25.2
20	PI/2 BPSK	50	28	25.07	25.19	24.97	25.7
20	PI/2 BPSK	50	56	24.58	24.68	24.43	25.2
20	PI/2 BPSK	100	0	24.52	24.66	24.40	
20	QPSK	1	1	25.35	25.45	25.31	25.7
20	QPSK	1	53	25.21	25.36	25.16	
20	QPSK	1	104	25.16	25.35	25.13	
20	QPSK	50	0	24.62	24.69	24.59	24.7
20	QPSK	50	28	25.19	25.31	25.12	25.7
20	QPSK	50	56	24.07	24.21	23.99	24.7
20	QPSK	100	0	24.20	24.25	24.21	
20	16QAM	1	1	23.49	23.69	23.46	24.7
20	64QAM	1	1	21.98	22.16	21.95	23.2
20	256QAM	1	1	20.54	20.67	20.53	21.2
Channel				164300	166300	168300	Tune-up limit (dBm)
Frequency (MHz)				821.5	831.5	841.5	
15	PI/2 BPSK	1	1	25.00	25.21	24.98	25.7
Channel				163800	166300	168800	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	PI/2 BPSK	1	1	25.00	25.14	24.94	25.7
Channel				163300	166300	169300	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	PI/2 BPSK	1	1	25.03	25.21	25.01	25.7



<FR1 n26\_Ant 1\_DSI 5\_Main PA>

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	21.0
Frequency (MHz)				824	831.5	839	
20	PI/2 BPSK	1	1	20.53	20.71	20.51	21.0
20	PI/2 BPSK	1	53	20.36	20.60	20.43	
20	PI/2 BPSK	1	104	20.38	20.55	20.55	
20	PI/2 BPSK	50	0	20.41	20.59	20.47	21.0
20	PI/2 BPSK	50	28	20.46	20.70	20.52	21.0
20	PI/2 BPSK	50	56	20.48	20.52	20.50	21.0
20	PI/2 BPSK	100	0	20.49	20.61	20.50	
20	QPSK	1	1	20.56	20.75	20.56	21.0
20	QPSK	1	53	20.48	20.59	20.52	
20	QPSK	1	104	20.54	20.62	20.60	
20	QPSK	50	0	20.49	20.65	20.51	21.0
20	QPSK	50	28	20.51	20.70	20.55	21.0
20	QPSK	50	56	20.52	20.61	20.53	21.0
20	QPSK	100	0	20.59	20.74	20.61	
20	16QAM	1	1	20.42	20.62	20.47	21.0
20	64QAM	1	1	20.37	20.56	20.52	21.0
20	256QAM	1	1	20.47	20.58	20.47	21.0
Channel				164300	166300	168300	21.0
Frequency (MHz)				821.5	831.5	841.5	
15	PI/2 BPSK	1	1	20.43	20.55	20.36	21.0
Channel				163800	166300	168800	21.0
Frequency (MHz)				819	831.5	844	
10	PI/2 BPSK	1	1	20.46	20.56	20.41	21.0
Channel				163300	166300	169300	21.0
Frequency (MHz)				816.5	831.5	846.5	
5	PI/2 BPSK	1	1	20.46	20.63	20.43	21.0



<FR1 n66\_Ant 2\_DSI 5\_Main PA>

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	20.0
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	19.49	19.52	19.51	
40	PI/2 BPSK	1	108	19.39	19.47	19.44	20.0
40	PI/2 BPSK	1	214	19.37	19.50	19.43	
40	PI/2 BPSK	108	0	19.41	19.46	19.44	
40	PI/2 BPSK	108	54	19.44	19.48	19.49	20.0
40	PI/2 BPSK	108	108	19.39	19.42	19.44	20.0
40	PI/2 BPSK	216	0	19.41	19.53	19.44	
40	QPSK	1	1	19.54	19.61	19.59	
40	QPSK	1	108	19.45	19.54	19.49	20.0
40	QPSK	1	214	19.44	19.56	19.53	
40	QPSK	108	0	19.46	19.53	19.52	
40	QPSK	108	54	19.52	19.58	19.57	20.0
40	QPSK	108	108	19.44	19.52	19.51	20.0
40	QPSK	216	0	19.50	19.59	19.54	
40	16QAM	1	1	19.43	19.42	19.45	
40	64QAM	1	1	19.41	19.51	19.39	20.0
40	256QAM	1	1	19.43	19.45	19.40	20.0
Channel				345000	349000	353000	20.0
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	19.39	19.51	19.47	
Channel				344500	349000	353500	20.0
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	19.37	19.42	19.48	
Channel				344000	349000	354000	20.0
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	19.35	19.48	19.46	
Channel				343500	349000	354500	20.0
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	19.39	19.50	19.41	
Channel				343000	349000	355000	20.0
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	19.38	19.44	19.46	
Channel				342500	349000	355500	20.0
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	19.43	19.49	19.47	



<FR1 n66\_Ant 2\_DSI 5\_Other PA>

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	18.5
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	17.44	17.57	17.49	
40	PI/2 BPSK	1	108	17.33	17.48	17.42	18.5
40	PI/2 BPSK	1	214	17.35	17.46	17.43	
40	PI/2 BPSK	108	0	17.39	17.48	17.38	
40	PI/2 BPSK	108	54	17.37	17.51	17.42	18.5
40	PI/2 BPSK	108	108	17.36	17.46	17.38	
40	PI/2 BPSK	216	0	17.39	17.52	17.45	
40	QPSK	1	1	17.51	17.63	17.55	18.5
40	QPSK	1	108	17.42	17.58	17.48	
40	QPSK	1	214	17.41	17.56	17.50	
40	QPSK	108	0	17.46	17.54	17.45	18.5
40	QPSK	108	54	17.44	17.58	17.49	
40	QPSK	108	108	17.41	17.54	17.47	
40	QPSK	216	0	17.46	17.60	17.51	18.5
40	16QAM	1	1	17.40	17.45	17.40	
40	64QAM	1	1	17.33	17.46	17.43	
40	256QAM	1	1	17.35	17.47	17.35	18.5
Channel				345000	349000	353000	18.5
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	17.34	17.53	17.41	
Channel				344500	349000	353500	18.5
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	17.38	17.43	17.45	
Channel				344000	349000	354000	18.5
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	17.37	17.52	17.42	
Channel				343500	349000	354500	18.5
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	17.32	17.47	17.42	
Channel				343000	349000	355000	18.5
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	17.35	17.46	17.38	
Channel				342500	349000	355500	18.5
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	17.41	17.45	17.42	



<FR1 n66\_Ant 3\_DSI 5\_Main PA>

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	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	16.76	16.97	16.80	18.0
40	PI/2 BPSK	1	108	16.68	16.83	16.69	
40	PI/2 BPSK	1	214	16.67	16.78	16.77	
40	PI/2 BPSK	108	0	16.67	16.83	16.69	18.0
40	PI/2 BPSK	108	54	16.86	16.86	16.83	18.0
40	PI/2 BPSK	108	108	16.72	16.82	16.70	18.0
40	PI/2 BPSK	216	0	16.70	16.87	16.72	
40	QPSK	1	1	16.89	17.07	16.97	18.0
40	QPSK	1	108	16.80	17.00	16.88	
40	QPSK	1	214	16.82	16.98	16.92	
40	QPSK	108	0	16.87	17.01	16.88	18.0
40	QPSK	108	54	16.96	17.05	16.93	18.0
40	QPSK	108	108	16.91	16.97	16.83	18.0
40	QPSK	216	0	16.85	16.97	16.90	
40	16QAM	1	1	16.72	16.95	16.85	18.0
40	64QAM	1	1	16.75	16.94	16.81	18.0
40	256QAM	1	1	16.74	16.91	16.85	18.0
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	16.79	16.93	16.77	18.0
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	16.76	16.92	16.87	18.0
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	16.78	16.92	16.87	18.0
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	16.78	16.94	16.83	18.0
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	16.78	16.88	16.85	18.0
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	16.72	16.95	16.84	18.0



<FR1 n66\_Ant 3\_DSI 5\_Other PA>

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	17.35	17.35	17.26	18.5
40	PI/2 BPSK	1	108	17.28	17.32	17.21	
40	PI/2 BPSK	1	214	17.24	17.27	17.21	
40	PI/2 BPSK	108	0	17.25	17.26	17.23	18.5
40	PI/2 BPSK	108	54	17.31	17.32	17.25	18.5
40	PI/2 BPSK	108	108	17.25	17.29	17.20	18.5
40	PI/2 BPSK	216	0	17.33	17.30	17.30	
40	QPSK	1	1	17.41	17.44	17.36	18.5
40	QPSK	1	108	17.34	17.37	17.26	
40	QPSK	1	214	17.33	17.34	17.30	
40	QPSK	108	0	17.33	17.36	17.31	18.5
40	QPSK	108	54	17.39	17.41	17.32	18.5
40	QPSK	108	108	17.31	17.34	17.29	18.5
40	QPSK	216	0	17.38	17.39	17.35	
40	16QAM	1	1	17.21	17.33	17.26	18.5
40	64QAM	1	1	17.21	17.34	17.25	18.5
40	256QAM	1	1	17.21	17.33	17.19	18.5
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	17.22	17.26	17.21	18.5
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	17.31	17.30	17.20	18.5
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	17.22	17.24	17.19	18.5
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	17.25	17.25	17.16	18.5
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	17.21	17.33	17.19	18.5
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	17.22	17.34	17.20	18.5



<FR1 n66\_Ant 4\_DSI 5\_Main PA>

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	23.0
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	21.48	21.57	21.57	
40	PI/2 BPSK	1	108	21.52	21.56	21.53	23.0
40	PI/2 BPSK	1	214	21.53	21.55	21.52	
40	PI/2 BPSK	108	0	21.52	21.61	21.55	
40	PI/2 BPSK	108	54	21.49	21.55	21.54	23.0
40	PI/2 BPSK	108	108	21.52	21.57	21.56	
40	PI/2 BPSK	216	0	21.48	21.58	21.57	
40	QPSK	1	1	21.65	21.74	21.71	23.0
40	QPSK	1	108	21.48	21.55	21.58	
40	QPSK	1	214	21.45	21.56	21.52	
40	QPSK	108	0	21.06	21.21	21.19	22.5
40	QPSK	108	54	21.47	21.54	21.59	23.0
40	QPSK	108	108	21.08	21.16	21.13	
40	QPSK	216	0	21.52	21.60	21.53	
40	16QAM	1	1	21.05	21.17	21.20	22.5
40	64QAM	1	1	19.62	19.69	19.70	21.0
40	256QAM	1	1	17.65	17.71	17.71	19.0
Channel				345000	349000	353000	23.0
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	21.52	21.63	21.59	
Channel				344500	349000	353500	23.0
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	21.47	21.55	21.55	
Channel				344000	349000	354000	23.0
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	21.53	21.57	21.51	
Channel				343500	349000	354500	23.0
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	21.49	21.54	21.53	
Channel				343000	349000	355000	23.0
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	21.54	21.55	21.61	
Channel				342500	349000	355500	23.0
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	21.52	21.63	21.51	





<FR1 n66\_Ant 4\_DSI 5\_Other PA>

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	22.24	22.33	22.25	
40	PI/2 BPSK	1	108	22.30	22.29	22.21	24.0
40	PI/2 BPSK	1	214	22.29	22.29	22.17	
40	PI/2 BPSK	108	0	22.24	22.32	22.17	24.0
40	PI/2 BPSK	108	54	22.31	22.31	22.18	24.0
40	PI/2 BPSK	108	108	22.23	22.30	22.26	24.0
40	PI/2 BPSK	216	0	22.25	22.31	22.26	
40	QPSK	1	1	22.41	22.48	22.36	24.0
40	QPSK	1	108	22.24	22.31	22.25	
40	QPSK	1	214	22.28	22.31	22.17	
40	QPSK	108	0	21.87	21.95	21.82	23.5
40	QPSK	108	54	22.28	22.34	22.16	24.0
40	QPSK	108	108	21.91	21.95	21.80	23.5
40	QPSK	216	0	22.21	22.29	22.22	
40	16QAM	1	1	21.81	21.90	21.79	23.5
40	64QAM	1	1	20.38	20.40	20.35	22.0
40	256QAM	1	1	18.41	18.43	18.29	20.0
Channel				345000	349000	353000	24.0
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	22.28	22.35	22.22	
Channel				344500	349000	353500	24.0
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	22.25	22.37	22.26	
Channel				344000	349000	354000	24.0
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	22.27	22.31	22.18	
Channel				343500	349000	354500	24.0
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	22.22	22.28	22.24	
Channel				343000	349000	355000	24.0
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	22.28	22.29	22.23	
Channel				342500	349000	355500	24.0
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	22.27	22.37	22.23	



<FR1 n66\_Ant 5\_DSI 5\_Main PA>

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	Tune-up limit (dBm)
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	22.41	22.44	22.37	
40	PI/2 BPSK	1	108	22.24	22.32	22.18	23.5
40	PI/2 BPSK	1	214	22.24	22.23	22.19	
40	PI/2 BPSK	108	0	22.15	22.20	21.95	
40	PI/2 BPSK	108	54	22.28	22.34	22.18	23.5
40	PI/2 BPSK	108	108	22.05	22.23	21.94	23.5
40	PI/2 BPSK	216	0	22.28	22.35	22.23	
40	QPSK	1	1	22.48	22.51	22.43	
40	QPSK	1	108	22.32	22.38	22.24	23.5
40	QPSK	1	214	22.30	22.33	22.29	
40	QPSK	108	0	22.22	22.28	22.05	
40	QPSK	108	54	22.34	22.41	22.24	23.5
40	QPSK	108	108	22.15	22.29	22.04	23.5
40	QPSK	216	0	22.35	22.41	22.32	
40	16QAM	1	1	22.36	22.36	22.27	
40	64QAM	1	1	21.48	21.46	21.36	22.5
40	256QAM	1	1	19.48	19.47	19.34	20.5
Channel				345000	349000	353000	Tune-up limit (dBm)
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	22.34	22.39	22.28	
Channel				344500	349000	353500	Tune-up limit (dBm)
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	22.32	22.39	22.31	
Channel				344000	349000	354000	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	22.35	22.32	22.30	
Channel				343500	349000	354500	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	22.38	22.38	22.30	
Channel				343000	349000	355000	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	22.29	22.36	22.32	
Channel				342500	349000	355500	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	22.37	22.40	22.27	



<FR1 n66\_Ant 5\_DSI 5\_Other PA>

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	23.5
Frequency (MHz)				1730	1745	1760	
40	PI/2 BPSK	1	1	22.82	22.84	22.78	
40	PI/2 BPSK	1	108	22.62	22.69	22.57	23.5
40	PI/2 BPSK	1	214	22.64	22.66	22.66	
40	PI/2 BPSK	108	0	22.52	22.62	22.46	
40	PI/2 BPSK	108	54	22.71	22.67	22.57	23.5
40	PI/2 BPSK	108	108	22.53	22.53	22.49	
40	PI/2 BPSK	216	0	22.68	22.73	22.65	
40	QPSK	1	1	22.88	22.91	22.86	23.5
40	QPSK	1	108	22.68	22.79	22.66	
40	QPSK	1	214	22.74	22.73	22.76	
40	QPSK	108	0	22.59	22.67	22.53	23.5
40	QPSK	108	54	22.77	22.77	22.66	
40	QPSK	108	108	22.63	22.61	22.54	
40	QPSK	216	0	22.76	22.79	22.72	23.5
40	16QAM	1	1	22.72	22.76	22.66	
40	64QAM	1	1	21.87	21.88	21.81	
40	256QAM	1	1	19.82	19.85	19.79	20.5
Channel				345000	349000	353000	23.5
Frequency (MHz)				1725	1745	1765	
30	PI/2 BPSK	1	1	22.78	22.75	22.75	
Channel				344500	349000	353500	23.5
Frequency (MHz)				1722.5	1745	1767.5	
25	PI/2 BPSK	1	1	22.71	22.80	22.69	
Channel				344000	349000	354000	23.5
Frequency (MHz)				1720	1745	1770	
20	PI/2 BPSK	1	1	22.74	22.78	22.70	
Channel				343500	349000	354500	23.5
Frequency (MHz)				1717.5	1745	1772.5	
15	PI/2 BPSK	1	1	22.72	22.72	22.68	
Channel				343000	349000	355000	23.5
Frequency (MHz)				1715	1745	1775	
10	PI/2 BPSK	1	1	22.72	22.79	22.73	
Channel				342500	349000	355500	23.5
Frequency (MHz)				1712.5	1745	1777.5	
5	PI/2 BPSK	1	1	22.70	22.75	22.68	



<FR1 n38\_Ant 2\_Index DSI>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	16.7
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	16.34	16.40	16.22	
40	PI/2 BPSK	1	53	16.25	16.26	16.16	16.7
40	PI/2 BPSK	1	104	16.34	16.36	16.13	
40	PI/2 BPSK	50	0	16.31	16.31	16.17	
40	PI/2 BPSK	50	28	16.35	16.39	16.20	16.7
40	PI/2 BPSK	50	56	16.33	16.31	16.20	
40	PI/2 BPSK	100	0	16.30	16.36	16.16	
40	QPSK	1	1	16.44	16.46	16.31	16.7
40	QPSK	1	53	16.35	16.36	16.22	
40	QPSK	1	104	16.39	16.41	16.23	
40	QPSK	50	0	16.39	16.39	16.25	16.7
40	QPSK	50	28	16.43	16.45	16.28	
40	QPSK	50	56	16.38	16.36	16.25	
40	QPSK	100	0	16.40	16.44	16.24	16.7
40	16QAM	1	1	16.25	16.28	16.19	
40	64QAM	1	1	16.32	16.26	16.21	
40	256QAM	1	1	16.32	16.36	16.21	16.7
Channel				517000	519000	521000	16.7
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	16.29	16.36	16.13	
Channel				516500	519000	521500	16.7
Frequency (MHz)				2582.5	2595	2607.5	
25	PI/2 BPSK	1	1	16.34	16.30	16.11	
Channel				516000	519000	522000	16.7
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	16.27	16.36	16.18	
Channel				515500	519000	522500	16.7
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	16.24	16.26	16.15	
Channel				515000	519000	523000	16.7
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	16.30	16.36	16.18	
Channel				514500	519000	523500	16.7
Frequency (MHz)				2572.5	2595	2617.5	
5	PI/2 BPSK	1	1	16.29	16.29	16.19	



**<FR1 n38\_Ant 3\_DSI 5\_Main PA>**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	17.7
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	16.68	16.73	16.61	
40	PI/2 BPSK	1	53	16.58	16.66	16.51	17.7
40	PI/2 BPSK	1	104	16.62	16.67	16.53	
40	PI/2 BPSK	50	0	16.51	16.73	16.51	
40	PI/2 BPSK	50	28	16.58	16.77	16.62	17.7
40	PI/2 BPSK	50	56	16.49	16.61	16.53	17.7
40	PI/2 BPSK	100	0	16.60	16.69	16.55	
40	QPSK	1	1	16.81	16.91	16.79	
40	QPSK	1	53	16.73	16.86	16.70	17.7
40	QPSK	1	104	16.75	16.86	16.69	
40	QPSK	50	0	16.67	16.83	16.69	
40	QPSK	50	28	16.74	16.88	16.74	17.7
40	QPSK	50	56	16.65	16.81	16.67	17.7
40	QPSK	100	0	16.71	16.82	16.72	
40	16QAM	1	1	16.63	16.78	16.62	
40	64QAM	1	1	16.67	16.74	16.63	17.7
40	256QAM	1	1	16.67	16.81	16.66	17.7
Channel				517000	519000	521000	17.7
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	16.66	16.75	16.66	
Channel				516500	519000	521500	17.7
Frequency (MHz)				2582.5	2595	2607.5	
25	PI/2 BPSK	1	1	16.69	16.79	16.68	
Channel				516000	519000	522000	17.7
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	16.64	16.81	16.69	
Channel				515500	519000	522500	17.7
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	16.63	16.77	16.69	
Channel				515000	519000	523000	17.7
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	16.65	16.78	16.66	
Channel				514500	519000	523500	17.7
Frequency (MHz)				2572.5	2595	2617.5	
5	PI/2 BPSK	1	1	16.63	16.78	16.61	



<FR1 n38\_Ant 4\_DSI 5\_Main PA>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	18.5
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	16.95	17.01	16.98	18.5
40	PI/2 BPSK	1	53	16.91	16.97	16.93	
40	PI/2 BPSK	1	104	16.86	16.93	16.94	
40	PI/2 BPSK	50	0	16.80	16.92	16.91	18.5
40	PI/2 BPSK	50	28	16.85	16.99	16.94	18.5
40	PI/2 BPSK	50	56	16.77	16.90	16.89	18.5
40	PI/2 BPSK	100	0	16.91	16.98	16.94	
40	QPSK	1	1	17.03	17.11	17.08	18.5
40	QPSK	1	53	16.97	17.03	17.03	
40	QPSK	1	104	16.96	17.01	17.03	
40	QPSK	50	0	16.85	16.97	16.98	18.5
40	QPSK	50	28	16.95	17.05	17.04	18.5
40	QPSK	50	56	16.85	16.97	16.94	18.5
40	QPSK	100	0	16.99	17.05	17.04	
40	16QAM	1	1	16.83	16.99	16.89	18.5
40	64QAM	1	1	16.83	16.94	16.96	18.5
40	256QAM	1	1	16.86	16.99	16.91	18.5
Channel				517000	519000	521000	18.5
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	16.90	16.98	16.93	18.5
Channel				516500	519000	521500	18.5
Frequency (MHz)				2582.5	2595	2607.5	
25	PI/2 BPSK	1	1	16.84	16.96	16.92	18.5
Channel				516000	519000	522000	18.5
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	16.90	16.95	16.94	18.5
Channel				515500	519000	522500	18.5
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	16.88	16.97	16.93	18.5
Channel				515000	519000	523000	18.5
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	16.83	16.96	16.88	18.5
Channel				514500	519000	523500	18.5
Frequency (MHz)				2572.5	2595	2617.5	
5	PI/2 BPSK	1	1	16.87	16.95	16.90	18.5



<FR1 n38\_Ant 5\_DSI 5\_Main PA>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				518000	519000	520000	Tune-up limit (dBm)
Frequency (MHz)				2590	2595	2600	
40	PI/2 BPSK	1	1	20.44	20.55	20.50	21.2
40	PI/2 BPSK	1	53	20.35	20.34	20.42	
40	PI/2 BPSK	1	104	20.35	20.36	20.42	
40	PI/2 BPSK	50	0	20.23	20.28	20.25	21.2
40	PI/2 BPSK	50	28	20.37	20.43	20.35	21.2
40	PI/2 BPSK	50	56	20.22	20.30	20.27	21.2
40	PI/2 BPSK	100	0	20.25	20.34	20.38	
40	QPSK	1	1	20.53	20.62	20.57	21.2
40	QPSK	1	53	20.41	20.43	20.47	
40	QPSK	1	104	20.41	20.46	20.47	
40	QPSK	50	0	20.32	20.38	20.30	21.2
40	QPSK	50	28	20.42	20.48	20.43	21.2
40	QPSK	50	56	20.30	20.37	20.33	21.2
40	QPSK	100	0	20.34	20.44	20.43	
40	16QAM	1	1	20.42	20.52	20.46	21.2
40	64QAM	1	1	20.41	20.43	20.44	21.2
40	256QAM	1	1	20.36	20.49	20.43	21.2
Channel				517000	519000	521000	Tune-up limit (dBm)
Frequency (MHz)				2585	2595	2605	
30	PI/2 BPSK	1	1	20.34	20.50	20.44	21.2
Channel				516500	519000	521500	Tune-up limit (dBm)
Frequency (MHz)				2582.5	2595	2607.5	
25	PI/2 BPSK	1	1	20.38	20.52	20.37	21.2
Channel				516000	519000	522000	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	PI/2 BPSK	1	1	20.34	20.50	20.44	21.2
Channel				515500	519000	522500	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	PI/2 BPSK	1	1	20.34	20.42	20.41	21.2
Channel				515000	519000	523000	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	PI/2 BPSK	1	1	20.42	20.49	20.47	21.2
Channel				514500	519000	523500	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	PI/2 BPSK	1	1	20.42	20.51	20.46	21.2



**<FR1 n41\_Ant 2\_Index DSI>**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	16.5
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	16.16	16.24	16.20	16.5
100	PI/2 BPSK	1	137	16.04	16.18	16.11	
100	PI/2 BPSK	1	271	16.03	16.24	16.15	
100	PI/2 BPSK	135	0	16.06	16.24	16.13	16.5
100	PI/2 BPSK	135	69	16.13	16.24	16.24	16.5
100	PI/2 BPSK	135	138	16.06	16.24	16.11	16.5
100	PI/2 BPSK	270	0	16.13	16.22	16.16	
100	QPSK	1	1	16.21	16.34	16.28	16.5
100	QPSK	1	137	16.14	16.26	16.19	
100	QPSK	1	271	16.12	16.29	16.21	
100	QPSK	135	0	16.13	16.29	16.18	16.5
100	QPSK	135	69	16.19	16.33	16.31	16.5
100	QPSK	135	138	16.15	16.29	16.18	16.5
100	QPSK	270	0	16.18	16.29	16.25	
100	16QAM	1	1	16.11	16.14	16.13	16.5
100	64QAM	1	1	16.05	16.14	16.09	16.5
100	256QAM	1	1	16.04	16.21	16.11	16.5
Channel				508200	518598	528996	16.5
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	16.05	16.21	16.18	16.5
Channel				507204	518598	529998	16.5
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	16.05	16.14	16.08	16.5
Channel				505200	518598	531996	16.5
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	16.01	16.18	16.12	16.5
Channel				504204	518598	532998	16.5
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	16.07	16.24	16.10	16.5
Channel				503202	518598	534000	16.5
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	16.06	16.22	16.13	16.5
Channel				502200	518598	534996	16.5
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	16.10	16.17	16.08	16.5
Channel				501204	518598	535998	16.5
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	16.11	16.15	16.16	16.5
Channel				500700	518598	536496	16.5
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	16.06	16.22	16.13	16.5
Channel				500202	518598	537000	16.5
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	16.03	16.19	16.09	16.5

**<FR1 n41\_Ant 3\_DSI 5\_Main PA>**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	17.0
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	15.97	16.09	15.98	17.0





100	PI/2 BPSK	1	137	15.91	15.99	15.91	
100	PI/2 BPSK	1	271	15.85	15.99	15.93	
100	PI/2 BPSK	135	0	15.86	15.94	15.91	17.0
100	PI/2 BPSK	135	69	15.91	16.03	15.95	17.0
100	PI/2 BPSK	135	138	15.86	15.96	15.92	17.0
100	PI/2 BPSK	270	0	15.93	16.00	15.95	
100	QPSK	1	1	16.02	16.14	16.08	
100	QPSK	1	137	15.96	16.07	16.01	17.0
100	QPSK	1	271	15.93	16.09	16.02	
100	QPSK	135	0	15.91	16.03	16.00	17.0
100	QPSK	135	69	16.01	16.11	16.05	17.0
100	QPSK	135	138	15.91	16.03	16.00	17.0
100	QPSK	270	0	16.01	16.10	16.04	
100	16QAM	1	1	15.91	16.01	15.95	17.0
100	64QAM	1	1	15.82	15.94	15.95	17.0
100	256QAM	1	1	15.90	15.94	15.95	17.0
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	15.90	16.01	15.94	17.0
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	15.84	16.01	15.91	17.0
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	15.89	15.96	15.92	17.0
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	15.88	15.95	15.94	17.0
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	15.87	16.03	15.90	17.0
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	15.92	15.95	15.94	17.0
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	15.82	15.96	15.93	17.0
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	15.83	16.03	15.92	17.0
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	15.92	16.04	15.93	17.0

<FR1 n41\_Ant 4\_DSI 5\_Main PA>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	Tune-up limit (dBm)
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	14.90	14.93	14.79	16.0
100	PI/2 BPSK	1	137	14.83	14.89	14.70	16.0
100	PI/2 BPSK	1	271	14.82	14.86	14.76	16.0
100	PI/2 BPSK	135	0	14.74	14.74	14.66	16.0
100	PI/2 BPSK	135	69	14.82	14.82	14.71	16.0
100	PI/2 BPSK	135	138	14.70	14.74	14.67	16.0
100	PI/2 BPSK	270	0	14.83	14.87	14.70	16.0



100	QPSK	1	1	14.97	15.00	14.89	16.0
100	QPSK	1	137	14.91	14.95	14.80	
100	QPSK	1	271	14.91	14.94	14.84	
100	QPSK	135	0	14.81	14.83	14.75	16.0
100	QPSK	135	69	14.89	14.92	14.81	16.0
100	QPSK	135	138	14.79	14.83	14.74	16.0
100	QPSK	270	0	14.90	14.94	14.80	
100	16QAM	1	1	14.81	14.87	14.72	16.0
100	64QAM	1	1	14.84	14.86	14.75	16.0
100	256QAM	1	1	14.81	14.90	14.74	16.0
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	14.78	14.90	14.79	16.0
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	14.85	14.85	14.72	16.0
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	14.83	14.84	14.69	16.0
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	14.77	14.82	14.73	16.0
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	14.86	14.81	14.70	16.0
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	14.85	14.90	14.75	16.0
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	14.80	14.85	14.69	16.0
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	14.86	14.87	14.76	16.0
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	14.80	14.89	14.71	16.0

<FR1 n41\_Ant 5\_DSI 5\_Main PA>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	20.0
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	19.45	19.61	19.53	20.0
100	PI/2 BPSK	1	137	19.33	19.43	19.40	
100	PI/2 BPSK	1	271	19.35	19.48	19.31	
100	PI/2 BPSK	135	0	19.03	19.39	19.27	20.0
100	PI/2 BPSK	135	69	19.23	19.47	19.39	20.0
100	PI/2 BPSK	135	138	19.06	19.28	19.27	20.0
100	PI/2 BPSK	270	0	19.27	19.39	19.36	
100	QPSK	1	1	19.53	19.66	19.58	20.0
100	QPSK	1	137	19.39	19.51	19.48	
100	QPSK	1	271	19.40	19.53	19.39	
100	QPSK	135	0	19.13	19.44	19.32	20.0
100	QPSK	135	69	19.33	19.56	19.44	20.0
100	QPSK	135	138	19.14	19.37	19.32	20.0



100	QPSK	270	0	19.37	19.47	19.46	
100	16QAM	1	1	19.39	19.48	19.47	20.0
100	64QAM	1	1	19.36	19.56	19.39	20.0
100	256QAM	1	1	19.36	19.51	19.41	20.0
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	19.34	19.48	19.39	20.0
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	19.35	19.55	19.40	20.0
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	19.35	19.46	19.43	20.0
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	19.37	19.46	19.42	20.0
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	19.42	19.49	19.47	20.0
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	19.38	19.55	19.46	20.0
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	19.41	19.51	19.42	20.0
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	19.36	19.51	19.47	20.0
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	19.33	19.51	19.38	20.0

**<FR1 n41\_HPUE\_Ant 2\_Index DSI>**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	Tune-up limit (dBm)
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	19.11	19.29	19.20	19.5
100	PI/2 BPSK	1	137	19.00	19.19	19.08	
100	PI/2 BPSK	1	271	19.05	19.24	19.10	
100	PI/2 BPSK	135	0	19.13	19.28	19.12	19.5
100	PI/2 BPSK	135	69	19.09	19.31	19.14	19.5
100	PI/2 BPSK	135	138	19.01	19.17	19.10	19.5
100	PI/2 BPSK	270	0	19.11	19.25	19.13	
100	QPSK	1	1	19.20	19.37	19.25	19.5
100	QPSK	1	137	19.10	19.28	19.18	
100	QPSK	1	271	19.11	19.31	19.18	
100	QPSK	135	0	19.18	19.35	19.22	19.5
100	QPSK	135	69	19.19	19.36	19.23	19.5
100	QPSK	135	138	19.11	19.27	19.18	19.5
100	QPSK	270	0	19.18	19.35	19.22	
100	16QAM	1	1	19.10	19.27	19.14	19.5
100	64QAM	1	1	19.06	19.21	19.05	19.5
100	256QAM	1	1	19.00	19.22	19.05	19.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	



90	PI/2 BPSK	1	1	19.07	19.19	19.03	19.5
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	19.02	19.28	19.25	19.5
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	19.26	19.22	19.17	19.5
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	19.36	19.14	19.29	19.5
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	19.33	19.08	19.01	19.5
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	19.03	19.31	19.32	19.5
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	19.26	19.12	19.01	19.5
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	19.08	19.20	19.25	19.5
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	19.24	19.01	19.13	19.5

<FR1 n41\_HPUE\_Ant 3\_DSI 5\_Main PA>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	Tune-up limit (dBm)
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	18.90	18.98	18.86	20.0
100	PI/2 BPSK	1	137	18.78	18.94	18.76	
100	PI/2 BPSK	1	271	18.76	18.89	18.78	
100	PI/2 BPSK	135	0	18.80	18.91	18.76	20.0
100	PI/2 BPSK	135	69	18.86	18.96	18.78	20.0
100	PI/2 BPSK	135	138	18.77	18.90	18.72	20.0
100	PI/2 BPSK	270	0	18.85	18.96	18.76	
100	QPSK	1	1	18.96	19.06	18.91	20.0
100	QPSK	1	137	18.87	18.99	18.84	
100	QPSK	1	271	18.86	18.99	18.84	
100	QPSK	135	0	18.86	18.98	18.85	20.0
100	QPSK	135	69	18.94	19.05	18.88	20.0
100	QPSK	135	138	18.86	18.97	18.81	20.0
100	QPSK	270	0	18.92	19.05	18.84	
100	16QAM	1	1	18.83	18.96	18.75	20.0
100	64QAM	1	1	18.77	18.89	18.81	20.0
100	256QAM	1	1	18.81	18.91	18.75	20.0
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	18.82	18.90	18.78	20.0
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	18.76	18.90	18.79	20.0
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	



60	PI/2 BPSK	1	1	18.82	18.91	18.71	20.0
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	18.80	18.86	18.78	20.0
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	18.84	18.91	18.81	20.0
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	18.77	18.90	18.81	20.0
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	18.86	18.95	18.73	20.0
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	18.85	18.95	18.77	20.0
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	18.76	18.94	18.76	20.0

<FR1 n41\_HPUE\_Ant 4\_DSI 5\_Main PA>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	Tune-up limit (dBm)
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	17.69	17.73	17.65	19.0
100	PI/2 BPSK	1	137	17.61	17.67	17.55	
100	PI/2 BPSK	1	271	17.64	17.68	17.55	
100	PI/2 BPSK	135	0	17.58	17.61	17.58	19.0
100	PI/2 BPSK	135	69	17.68	17.70	17.64	19.0
100	PI/2 BPSK	135	138	17.59	17.63	17.56	19.0
100	PI/2 BPSK	270	0	17.65	17.75	17.56	
100	QPSK	1	1	17.76	17.81	17.74	19.0
100	QPSK	1	137	17.67	17.76	17.65	
100	QPSK	1	271	17.69	17.74	17.65	
100	QPSK	135	0	17.67	17.70	17.63	19.0
100	QPSK	135	69	17.74	17.79	17.71	19.0
100	QPSK	135	138	17.68	17.73	17.65	19.0
100	QPSK	270	0	17.70	17.80	17.65	
100	16QAM	1	1	17.58	17.63	17.59	19.0
100	64QAM	1	1	17.61	17.70	17.57	19.0
100	256QAM	1	1	17.56	17.67	17.57	19.0
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	17.56	17.68	17.58	19.0
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	17.64	17.71	17.60	19.0
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	17.58	17.70	17.61	19.0
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	17.63	17.65	17.61	19.0
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	



40	PI/2 BPSK	1	1	17.58	17.69	17.61	19.0
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	17.60	17.66	17.59	19.0
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	
20	PI/2 BPSK	1	1	17.57	17.69	17.54	19.0
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	17.60	17.65	17.63	19.0
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	17.59	17.70	17.57	19.0

<FR1 n41\_HPUE\_Ant 5\_DSI 5\_Main PA>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				509202	518598	528000	Tune-up limit (dBm)
Frequency (MHz)				2546.01	2592.99	2640	
100	PI/2 BPSK	1	1	22.36	22.47	22.34	23.0
100	PI/2 BPSK	1	137	22.21	22.26	22.12	
100	PI/2 BPSK	1	271	22.16	22.30	22.21	
100	PI/2 BPSK	135	0	22.08	22.14	22.02	23.0
100	PI/2 BPSK	135	69	22.20	22.30	22.14	23.0
100	PI/2 BPSK	135	138	22.11	22.14	21.98	23.0
100	PI/2 BPSK	270	0	22.16	22.35	22.12	
100	QPSK	1	1	22.42	22.52	22.39	23.0
100	QPSK	1	137	22.31	22.36	22.22	
100	QPSK	1	271	22.23	22.40	22.29	
100	QPSK	135	0	22.18	22.20	22.08	23.0
100	QPSK	135	69	22.30	22.39	22.20	23.0
100	QPSK	135	138	22.17	22.20	22.07	23.0
100	QPSK	270	0	22.22	22.41	22.19	
100	16QAM	1	1	22.24	22.40	22.23	23.0
100	64QAM	1	1	22.30	22.38	22.29	23.0
100	256QAM	1	1	21.87	21.95	21.85	22.5
Channel				508200	518598	528996	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.99	2644.98	
90	PI/2 BPSK	1	1	22.25	22.37	22.29	23.0
Channel				507204	518598	529998	Tune-up limit (dBm)
Frequency (MHz)				2536.02	2592.99	2649.99	
80	PI/2 BPSK	1	1	22.27	22.35	22.24	23.0
Channel				505200	518598	531996	Tune-up limit (dBm)
Frequency (MHz)				2526	2592.99	2659.98	
60	PI/2 BPSK	1	1	22.22	22.32	22.27	23.0
Channel				504204	518598	532998	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.99	2664.99	
50	PI/2 BPSK	1	1	22.26	22.40	22.21	23.0
Channel				503202	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2516.01	2592.99	2670	
40	PI/2 BPSK	1	1	22.22	22.32	22.23	23.0
Channel				502200	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.99	2674.98	
30	PI/2 BPSK	1	1	22.25	22.33	22.25	23.0
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.99	2679.99	



20	PI/2 BPSK	1	1	22.27	22.36	22.25	23.0
Channel				500700	518598	536496	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2592.99	2682.48	
15	PI/2 BPSK	1	1	22.30	22.35	22.27	23.0
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.99	2685	
10	PI/2 BPSK	1	1	22.26	22.39	22.27	23.0

**<FR1 n48\_Ant 6\_DSI 5\_Main PA>**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	13.60	13.69	13.61	14.0
40	PI/2 BPSK	1	53	13.45	13.48	13.50	
40	PI/2 BPSK	1	104	13.52	13.57	13.36	
40	PI/2 BPSK	50	0	13.41	13.52	13.46	14.0
40	PI/2 BPSK	50	28	13.60	13.60	13.56	14.0
40	PI/2 BPSK	50	56	13.44	13.47	13.38	14.0
40	PI/2 BPSK	100	0	13.59	13.64	13.58	
40	QPSK	1	1	13.76	13.79	13.71	14.0
40	QPSK	1	53	13.62	13.59	13.60	
40	QPSK	1	104	13.63	13.67	13.52	
40	QPSK	50	0	13.57	13.65	13.59	14.0
40	QPSK	50	28	13.74	13.78	13.66	14.0
40	QPSK	50	56	13.56	13.63	13.57	14.0
40	QPSK	100	0	13.75	13.77	13.69	
40	16QAM	1	1	13.59	13.63	13.52	14.0
40	64QAM	1	1	13.58	13.66	13.60	14.0
40	256QAM	1	1	13.63	13.60	13.56	14.0
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	13.60	13.67	13.56	14.0
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	13.59	13.65	13.52	14.0
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	13.66	13.67	13.54	14.0



<FR1 n48\_Ant 7\_DSI 5\_Main PA>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	14.15	14.24	14.18	14.5
40	PI/2 BPSK	1	53	14.00	14.16	14.07	
40	PI/2 BPSK	1	104	14.01	14.12	14.10	
40	PI/2 BPSK	50	0	13.97	14.10	14.10	14.5
40	PI/2 BPSK	50	28	14.10	14.22	14.15	14.5
40	PI/2 BPSK	50	56	13.99	14.09	14.08	14.5
40	PI/2 BPSK	100	0	14.11	14.19	14.11	
40	QPSK	1	1	14.22	14.32	14.28	14.5
40	QPSK	1	53	14.08	14.21	14.14	
40	QPSK	1	104	14.08	14.22	14.18	
40	QPSK	50	0	14.04	14.18	14.18	14.5
40	QPSK	50	28	14.16	14.27	14.22	14.5
40	QPSK	50	56	14.07	14.19	14.15	14.5
40	QPSK	100	0	14.16	14.24	14.21	
40	16QAM	1	1	14.11	14.19	14.17	14.5
40	64QAM	1	1	14.08	14.13	14.15	14.5
40	256QAM	1	1	14.09	14.19	14.13	14.5
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	14.11	14.15	14.08	14.5
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	14.11	14.20	14.12	14.5
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	14.10	14.17	14.14	14.5





<FR1 n48\_Ant 8\_DSI 5\_Main PA>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	Tune-up limit (dBm)
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	20.44	20.57	20.49	21.0
40	PI/2 BPSK	1	53	20.33	20.40	20.38	
40	PI/2 BPSK	1	104	20.35	20.48	20.44	
40	PI/2 BPSK	50	0	20.16	20.29	20.22	21.0
40	PI/2 BPSK	50	28	20.30	20.40	20.37	21.0
40	PI/2 BPSK	50	56	20.17	20.32	20.13	21.0
40	PI/2 BPSK	100	0	20.25	20.40	20.32	
40	QPSK	1	1	20.53	20.65	20.59	21.0
40	QPSK	1	53	20.38	20.47	20.46	
40	QPSK	1	104	20.43	20.54	20.49	
40	QPSK	50	0	20.25	20.34	20.29	21.0
40	QPSK	50	28	20.36	20.50	20.43	21.0
40	QPSK	50	56	20.23	20.38	20.23	21.0
40	QPSK	100	0	20.33	20.46	20.39	
40	16QAM	1	1	20.41	20.46	20.39	21.0
40	64QAM	1	1	19.45	19.63	19.59	20.0
40	256QAM	1	1	17.44	17.56	17.49	18.0
Channel				637334	641666	646000	Tune-up limit (dBm)
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	20.36	20.47	20.44	21.0
Channel				637168	641666	646166	Tune-up limit (dBm)
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	20.38	20.55	20.41	21.0
Channel				637000	641666	646332	Tune-up limit (dBm)
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	20.33	20.48	20.43	21.0



<FR1 n48\_Ant 9\_DSI 5\_Main PA>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				638000	641666	645332	20.0
Frequency (MHz)				3570	3624.99	3679.98	
40	PI/2 BPSK	1	1	19.23	19.45	19.35	20.0
40	PI/2 BPSK	1	53	19.29	19.37	19.39	
40	PI/2 BPSK	1	104	19.25	19.43	19.38	
40	PI/2 BPSK	50	0	19.29	19.44	19.36	20.0
40	PI/2 BPSK	50	28	19.30	19.41	19.39	20.0
40	PI/2 BPSK	50	56	19.26	19.38	19.38	20.0
40	PI/2 BPSK	100	0	19.32	19.44	19.32	
40	QPSK	1	1	19.43	19.57	19.52	20.0
40	QPSK	1	53	19.30	19.47	19.36	
40	QPSK	1	104	19.26	19.42	19.38	
40	QPSK	50	0	19.30	19.41	19.38	20.0
40	QPSK	50	28	19.30	19.43	19.42	20.0
40	QPSK	50	56	19.33	19.43	19.39	20.0
40	QPSK	100	0	19.24	19.44	19.38	
40	16QAM	1	1	19.33	19.44	19.37	20.0
40	64QAM	1	1	18.80	18.87	18.84	19.5
40	256QAM	1	1	16.73	16.87	16.87	17.5
Channel				637334	641666	646000	20.0
Frequency (MHz)				3560.01	3624.99	3690	
20	PI/2 BPSK	1	1	19.30	19.40	19.35	20.0
Channel				637168	641666	646166	20.0
Frequency (MHz)				3557.52	3624.99	3692.49	
15	PI/2 BPSK	1	1	19.32	19.41	19.38	20.0
Channel				637000	641666	646332	20.0
Frequency (MHz)				3555	3624.99	3694.98	
10	PI/2 BPSK	1	1	19.28	19.46	19.40	20.0



<FR1 n77\_Ant 6\_DSI 5\_Main PA>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	Tune-up limit (dBm)
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	14.99	15.07	14.99	15.5
100	PI/2 BPSK	1	137	14.79	14.90	14.79	
100	PI/2 BPSK	1	271	14.84	14.92	14.85	
100	PI/2 BPSK	135	0	14.80	14.86	14.90	15.5
100	PI/2 BPSK	135	69	14.92	15.06	14.96	15.5
100	PI/2 BPSK	135	138	14.76	14.91	14.81	15.5
100	PI/2 BPSK	270	0	14.93	15.03	14.99	
100	QPSK	1	1	15.04	15.15	15.07	15.5
100	QPSK	1	137	14.89	14.98	14.88	
100	QPSK	1	271	14.91	14.97	14.93	
100	QPSK	135	0	14.89	14.96	14.95	15.5
100	QPSK	135	69	15.01	15.14	15.06	15.5
100	QPSK	135	138	14.86	14.99	14.90	15.5
100	QPSK	270	0	15.02	15.11	15.05	
100	16QAM	1	1	14.91	14.97	14.88	15.5
100	64QAM	1	1	14.87	14.96	14.93	15.5
100	256QAM	1	1	14.93	15.03	14.94	15.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	14.88	14.97	14.94	15.5
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	14.92	14.99	14.94	15.5
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	14.94	14.96	14.89	15.5
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	14.86	14.95	14.93	15.5
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	14.94	15.03	14.87	15.5
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	14.85	15.03	14.94	15.5
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	14.89	14.97	14.93	15.5
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	14.93	14.98	14.93	15.5
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	14.84	15.03	14.88	15.5
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	14.85	15.04	14.97	15.5
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	14.84	15.00	14.90	15.5



<FR1 n77\_Ant 7\_DSI 5\_Main PA>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	Tune-up limit (dBm)
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	13.92	14.02	13.88	14.5
100	PI/2 BPSK	1	137	13.74	13.81	13.73	
100	PI/2 BPSK	1	271	13.87	13.95	13.79	
100	PI/2 BPSK	135	0	13.74	13.88	13.81	14.5
100	PI/2 BPSK	135	69	13.95	14.00	13.84	14.5
100	PI/2 BPSK	135	138	13.81	13.86	13.80	14.5
100	PI/2 BPSK	270	0	13.93	13.99	13.81	
100	QPSK	1	1	14.02	14.11	13.98	14.5
100	QPSK	1	137	13.84	13.91	13.83	
100	QPSK	1	271	13.92	14.00	13.87	
100	QPSK	135	0	13.84	13.94	13.88	14.5
100	QPSK	135	69	14.00	14.09	13.94	14.5
100	QPSK	135	138	13.89	13.95	13.86	14.5
100	QPSK	270	0	14.00	14.08	13.90	
100	16QAM	1	1	13.87	13.93	13.88	14.5
100	64QAM	1	1	13.85	13.97	13.84	14.5
100	256QAM	1	1	13.88	14.00	13.82	14.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	13.82	13.97	13.82	14.5
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	13.82	14.00	13.79	14.5
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	13.92	13.98	13.88	14.5
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	13.92	13.99	13.87	14.5
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	13.82	13.97	13.78	14.5
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	13.83	14.00	13.86	14.5
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	13.87	13.94	13.82	14.5
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	13.87	13.92	13.85	14.5
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	13.91	13.97	13.82	14.5
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	13.86	13.95	13.78	14.5
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	13.85	13.93	13.85	14.5



<FR1 n77\_Ant 8\_DSI 5\_Main PA>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	19.5
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	18.33	18.36	18.32	19.5
100	PI/2 BPSK	1	137	18.23	18.15	18.19	
100	PI/2 BPSK	1	271	18.24	18.24	18.14	
100	PI/2 BPSK	135	0	18.00	18.03	18.06	19.5
100	PI/2 BPSK	135	69	18.20	18.20	18.17	19.5
100	PI/2 BPSK	135	138	18.02	18.07	18.05	19.5
100	PI/2 BPSK	270	0	18.16	18.20	18.11	
100	QPSK	1	1	18.43	18.45	18.39	19.5
100	QPSK	1	137	18.31	18.25	18.26	
100	QPSK	1	271	18.33	18.31	18.24	
100	QPSK	135	0	18.08	18.13	18.14	19.5
100	QPSK	135	69	18.25	18.27	18.26	19.5
100	QPSK	135	138	18.12	18.16	18.14	19.5
100	QPSK	270	0	18.26	18.30	18.20	
100	16QAM	1	1	18.23	18.32	18.20	19.5
100	64QAM	1	1	18.25	18.33	18.24	19.5
100	256QAM	1	1	18.25	18.27	18.19	19.5
Channel				649668	656000	662332	19.5
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	18.32	18.25	18.29	19.5
Channel				649334	656000	662666	19.5
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	18.29	18.30	18.24	19.5
Channel				649000	656000	663000	19.5
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	18.26	18.28	18.25	19.5
Channel				648668	656000	663332	19.5
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	18.33	18.33	18.29	19.5
Channel				648334	656000	663666	19.5
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	18.24	18.35	18.23	19.5
Channel				648000	656000	664000	19.5
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	18.33	18.33	18.29	19.5
Channel				647668	656000	664332	19.5
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	18.26	18.25	18.29	19.5
Channel				647500	656000	664500	19.5
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	18.24	18.33	18.27	19.5
Channel				647334	656000	664666	19.5
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	18.32	18.26	18.26	19.5
Channel				647168	656000	664832	19.5
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	18.29	18.28	18.20	19.5
Channel				647000	656000	665000	19.5
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	18.31	18.25	18.20	19.5



<FR1 n77\_Ant 9\_DSI 5\_Main PA>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	16.5
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	15.04	15.20	15.14	16.5
100	PI/2 BPSK	1	137	15.13	15.12	15.10	
100	PI/2 BPSK	1	271	15.04	15.17	15.14	
100	PI/2 BPSK	135	0	15.07	15.18	15.09	16.5
100	PI/2 BPSK	135	69	15.08	15.21	15.13	16.5
100	PI/2 BPSK	135	138	15.04	15.16	15.13	16.5
100	PI/2 BPSK	270	0	15.03	15.20	15.10	
100	QPSK	1	1	15.23	15.32	15.28	16.5
100	QPSK	1	137	15.07	15.14	15.09	
100	QPSK	1	271	15.11	15.22	15.09	
100	QPSK	135	0	15.06	15.12	15.08	16.5
100	QPSK	135	69	15.13	15.18	15.16	16.5
100	QPSK	135	138	15.06	15.16	15.13	16.5
100	QPSK	270	0	15.10	15.18	15.11	
100	16QAM	1	1	15.06	15.17	15.18	16.5
100	64QAM	1	1	15.06	15.17	15.09	16.5
100	256QAM	1	1	15.12	15.22	15.15	16.5
Channel				649668	656000	662332	16.5
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	15.09	15.14	15.10	16.5
Channel				649334	656000	662666	16.5
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	15.04	15.14	15.17	16.5
Channel				649000	656000	663000	16.5
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	15.13	15.22	15.09	16.5
Channel				648668	656000	663332	16.5
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	15.13	15.16	15.13	16.5
Channel				648334	656000	663666	16.5
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	15.09	15.14	15.18	16.5
Channel				648000	656000	664000	16.5
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	15.10	15.22	15.14	16.5
Channel				647668	656000	664332	16.5
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	15.11	15.19	15.18	16.5
Channel				647500	656000	664500	16.5
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	15.07	15.13	15.13	16.5
Channel				647334	656000	664666	16.5
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	15.03	15.22	15.08	16.5
Channel				647168	656000	664832	16.5
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	15.07	15.20	15.15	16.5
Channel				647000	656000	665000	16.5
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	15.13	15.17	15.17	16.5



<FR1 n77\_HPUE\_Ant 6\_DSI 5\_Main PA>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	18.5
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	17.81	17.94	17.89	18.5
100	PI/2 BPSK	1	137	17.71	17.79	17.77	
100	PI/2 BPSK	1	271	17.66	17.79	17.74	
100	PI/2 BPSK	135	0	17.72	17.77	17.80	18.5
100	PI/2 BPSK	135	69	17.79	17.93	17.91	18.5
100	PI/2 BPSK	135	138	17.66	17.77	17.75	18.5
100	PI/2 BPSK	270	0	17.71	17.95	17.87	
100	QPSK	1	1	17.89	18.02	17.97	18.5
100	QPSK	1	137	17.78	17.86	17.87	
100	QPSK	1	271	17.75	17.87	17.81	
100	QPSK	135	0	17.80	17.83	17.85	18.5
100	QPSK	135	69	17.84	18.01	17.96	18.5
100	QPSK	135	138	17.73	17.86	17.85	18.5
100	QPSK	270	0	17.80	18.00	17.94	
100	16QAM	1	1	17.69	17.91	17.78	18.5
100	64QAM	1	1	17.69	17.85	17.85	18.5
100	256QAM	1	1	17.78	17.92	17.80	18.5
Channel				649668	656000	662332	18.5
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	17.70	17.86	17.82	18.5
Channel				649334	656000	662666	18.5
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	17.72	17.91	17.79	18.5
Channel				649000	656000	663000	18.5
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	17.75	17.87	17.79	18.5
Channel				648668	656000	663332	18.5
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	17.73	17.82	17.87	18.5
Channel				648334	656000	663666	18.5
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	17.73	17.88	17.82	18.5
Channel				648000	656000	664000	18.5
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	17.69	17.90	17.77	18.5
Channel				647668	656000	664332	18.5
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	17.76	17.91	17.78	18.5
Channel				647500	656000	664500	18.5
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	17.76	17.87	17.87	18.5
Channel				647334	656000	664666	18.5
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	17.76	17.86	17.87	18.5
Channel				647168	656000	664832	18.5
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	17.76	17.84	17.77	18.5
Channel				647000	656000	665000	18.5
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	17.69	17.90	17.84	18.5



<FR1 n77\_HPUE\_Ant 7\_DSI 5\_Main PA>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	Tune-up limit (dBm)
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	16.78	16.83	16.73	17.5
100	PI/2 BPSK	1	137	16.69	16.74	16.53	
100	PI/2 BPSK	1	271	16.67	16.63	16.60	
100	PI/2 BPSK	135	0	16.63	16.70	16.51	17.5
100	PI/2 BPSK	135	69	16.76	16.80	16.65	17.5
100	PI/2 BPSK	135	138	16.60	16.69	16.59	17.5
100	PI/2 BPSK	270	0	16.72	16.81	16.67	
100	QPSK	1	1	16.86	16.93	16.79	17.5
100	QPSK	1	137	16.74	16.79	16.61	
100	QPSK	1	271	16.74	16.73	16.69	
100	QPSK	135	0	16.70	16.75	16.61	17.5
100	QPSK	135	69	16.84	16.90	16.75	17.5
100	QPSK	135	138	16.68	16.77	16.69	17.5
100	QPSK	270	0	16.82	16.91	16.76	
100	16QAM	1	1	16.66	16.80	16.63	17.5
100	64QAM	1	1	16.68	16.81	16.66	17.5
100	256QAM	1	1	16.74	16.73	16.63	17.5
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	16.76	16.75	16.66	17.5
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	16.74	16.80	16.65	17.5
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	16.67	16.77	16.68	17.5
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	16.69	16.76	16.68	17.5
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	16.67	16.77	16.68	17.5
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	16.67	16.76	16.59	17.5
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	16.67	16.79	16.64	17.5
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	16.67	16.73	16.63	17.5
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	16.69	16.76	16.66	17.5
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	16.68	16.83	16.66	17.5
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	16.75	16.82	16.61	17.5





<FR1 n77\_HPUE\_Ant 8\_DSI 5\_Main PA>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	Tune-up limit (dBm)
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	20.91	20.98	20.64	22.5
100	PI/2 BPSK	1	137	20.73	20.78	20.54	
100	PI/2 BPSK	1	271	20.81	20.75	20.55	
100	PI/2 BPSK	135	0	20.63	20.64	20.51	22.5
100	PI/2 BPSK	135	69	20.78	20.78	20.51	22.5
100	PI/2 BPSK	135	138	20.63	20.56	20.50	22.5
100	PI/2 BPSK	270	0	20.81	20.79	20.57	
100	QPSK	1	1	20.98	21.03	20.73	22.5
100	QPSK	1	137	20.82	20.86	20.60	
100	QPSK	1	271	20.87	20.84	20.61	
100	QPSK	135	0	20.72	20.70	20.56	22.5
100	QPSK	135	69	20.87	20.85	20.58	22.5
100	QPSK	135	138	20.68	20.66	20.51	22.5
100	QPSK	270	0	20.87	20.85	20.63	
100	16QAM	1	1	20.85	20.91	20.57	22.5
100	64QAM	1	1	20.81	20.89	20.58	22.5
100	256QAM	1	1	19.44	19.53	19.17	21.0
Channel				649668	656000	662332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	20.84	20.88	20.61	22.5
Channel				649334	656000	662666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	20.84	20.89	20.61	22.5
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	20.82	20.89	20.61	22.5
Channel				648668	656000	663332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	20.81	20.93	20.63	22.5
Channel				648334	656000	663666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	20.85	20.88	20.59	22.5
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	20.81	20.86	20.61	22.5
Channel				647668	656000	664332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	20.83	20.83	20.60	22.5
Channel				647500	656000	664500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	20.85	20.84	20.59	22.5
Channel				647334	656000	664666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	20.84	20.93	20.63	22.5
Channel				647168	656000	664832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	20.79	20.91	20.60	22.5
Channel				647000	656000	665000	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	20.86	20.88	20.63	22.5



<FR1 n77\_HPUE\_Ant 9\_DSI 5\_Main PA>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				650000	656000	662000	19.5
Frequency (MHz)				3750	3840	3930	
100	PI/2 BPSK	1	1	17.50	17.76	17.55	19.5
100	PI/2 BPSK	1	137	17.66	17.79	17.51	
100	PI/2 BPSK	1	271	17.53	17.79	17.57	
100	PI/2 BPSK	135	0	17.65	17.66	17.58	19.5
100	PI/2 BPSK	135	69	17.58	17.62	17.51	19.5
100	PI/2 BPSK	135	138	17.57	17.62	17.53	19.5
100	PI/2 BPSK	270	0	17.53	17.64	17.54	
100	QPSK	1	1	17.76	17.89	17.69	19.5
100	QPSK	1	137	17.66	17.61	17.53	
100	QPSK	1	271	17.60	17.70	17.58	
100	QPSK	135	0	17.64	17.75	17.51	19.5
100	QPSK	135	69	17.63	17.75	17.51	19.5
100	QPSK	135	138	17.66	17.77	17.59	19.5
100	QPSK	270	0	17.58	17.69	17.51	
100	16QAM	1	1	17.60	17.75	17.52	19.5
100	64QAM	1	1	17.58	17.79	17.57	19.5
100	256QAM	1	1	17.59	17.72	17.51	19.5
Channel				649668	656000	662332	19.5
Frequency (MHz)				3745.02	3840	3934.98	
90	PI/2 BPSK	1	1	17.66	17.63	17.52	19.5
Channel				649334	656000	662666	19.5
Frequency (MHz)				3740.01	3840	3939.99	
80	PI/2 BPSK	1	1	17.56	17.65	17.59	19.5
Channel				649000	656000	663000	19.5
Frequency (MHz)				3735	3840	3945	
70	PI/2 BPSK	1	1	17.53	17.76	17.52	19.5
Channel				648668	656000	663332	19.5
Frequency (MHz)				3730.02	3840	3949.98	
60	PI/2 BPSK	1	1	17.59	17.78	17.57	19.5
Channel				648334	656000	663666	19.5
Frequency (MHz)				3725.01	3840	3954.99	
50	PI/2 BPSK	1	1	17.56	17.62	17.50	19.5
Channel				648000	656000	664000	19.5
Frequency (MHz)				3720	3840	3960	
40	PI/2 BPSK	1	1	17.59	17.59	17.59	19.5
Channel				647668	656000	664332	19.5
Frequency (MHz)				3715.02	3840.00	3964.98	
30	PI/2 BPSK	1	1	17.57	17.64	17.55	19.5
Channel				647500	656000	664500	19.5
Frequency (MHz)				3712.5	3840.00	3967.50	
25	PI/2 BPSK	1	1	17.53	17.76	17.56	19.5
Channel				647334	656000	664666	19.5
Frequency (MHz)				3710.01	3840	3969.99	
20	PI/2 BPSK	1	1	17.57	17.59	17.52	19.5
Channel				647168	656000	664832	19.5
Frequency (MHz)				3707.52	3840	3972.48	
15	PI/2 BPSK	1	1	17.53	17.68	17.57	19.5
Channel				647000	656000	665000	19.5
Frequency (MHz)				3705	3840	3975	
10	PI/2 BPSK	1	1	17.63	17.79	17.54	19.5



**<FR1 n77\_Ant 6\_DSI 5\_Main PA>**

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		15.5
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		15.30		15.5
100	PI/2 BPSK	1	137		15.31		
100	PI/2 BPSK	1	271		15.24		
100	PI/2 BPSK	135	0		15.32		15.5
100	PI/2 BPSK	135	69		15.34		15.5
100	PI/2 BPSK	135	138		15.27		15.5
100	PI/2 BPSK	270	0		15.35		
100	QPSK	1	1		15.50		15.5
100	QPSK	1	137		15.43		
100	QPSK	1	271		15.40		
100	QPSK	135	0		15.46		15.5
100	QPSK	135	69		15.49		15.5
100	QPSK	135	138		15.42		15.5
100	QPSK	270	0		15.47		
100	16QAM	1	1		15.42		15.5
100	64QAM	1	1		15.41		15.5
100	256QAM	1	1		15.36		15.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	15.5
90	PI/2 BPSK	1	1	15.37	15.46	15.42	15.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	15.5
80	PI/2 BPSK	1	1	15.32	15.44	15.38	15.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	15.5
70	PI/2 BPSK	1	1	15.34	15.45	15.38	15.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	15.5
60	PI/2 BPSK	1	1	15.34	15.41	15.37	15.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	15.5
50	PI/2 BPSK	1	1	15.35	15.43	15.38	15.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	15.5
40	PI/2 BPSK	1	1	15.32	15.44	15.38	15.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	15.5
30	PI/2 BPSK	1	1	15.36	15.43	15.39	15.5
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	15.5
25	PI/2 BPSK	1	1	15.35	15.45	15.37	15.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	15.5
20	PI/2 BPSK	1	1	15.34	15.42	15.37	15.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	15.5
15	PI/2 BPSK	1	1	15.32	15.45	15.39	15.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	15.5
10	PI/2 BPSK	1	1	15.32	15.45	15.37	15.5



<FR1 n77\_Ant 7\_DSI 5\_Main PA>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		14.5
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		14.18		14.5
100	PI/2 BPSK	1	137		14.09		
100	PI/2 BPSK	1	271		14.08		
100	PI/2 BPSK	135	0		14.06		14.5
100	PI/2 BPSK	135	69		14.13		14.5
100	PI/2 BPSK	135	138		14.02		14.5
100	PI/2 BPSK	270	0		14.14		
100	QPSK	1	1		14.23		14.5
100	QPSK	1	137		14.15		
100	QPSK	1	271		14.13		
100	QPSK	135	0		14.11		14.5
100	QPSK	135	69		14.21		14.5
100	QPSK	135	138		14.10		14.5
100	QPSK	270	0		14.22		
100	16QAM	1	1		14.08		14.5
100	64QAM	1	1		14.03		14.5
100	256QAM	1	1		14.00		14.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	14.07	14.11	14.06	14.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	14.02	14.10	14.02	14.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	14.05	14.08	14.04	14.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	14.03	14.08	14.04	14.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	14.02	14.06	14.03	14.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	14.02	14.08	14.01	14.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	14.05	14.08	14.01	14.5
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	14.03	14.07	14.04	14.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	14.02	14.09	14.01	14.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	14.02	14.06	14.01	14.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	14.03	14.07	14.02	14.5



<FR1 n77\_Ant 8\_DSI 5\_Main PA>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		19.5
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		18.42		19.5
100	PI/2 BPSK	1	137		18.33		
100	PI/2 BPSK	1	271		18.24		
100	PI/2 BPSK	135	0		18.19		19.5
100	PI/2 BPSK	135	69		18.27		19.5
100	PI/2 BPSK	135	138		18.17		19.5
100	PI/2 BPSK	270	0		18.28		
100	QPSK	1	1		18.49		19.5
100	QPSK	1	137		18.38		
100	QPSK	1	271		18.32		
100	QPSK	135	0		18.26		19.5
100	QPSK	135	69		18.32		19.5
100	QPSK	135	138		18.22		19.5
100	QPSK	270	0		18.34		
100	16QAM	1	1		18.22		19.5
100	64QAM	1	1		18.16		19.5
100	256QAM	1	1		18.10		19.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	19.5
90	PI/2 BPSK	1	1	18.08	18.13	18.10	19.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	19.5
80	PI/2 BPSK	1	1	18.05	18.12	18.09	19.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	19.5
70	PI/2 BPSK	1	1	18.03	18.10	18.09	19.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	19.5
60	PI/2 BPSK	1	1	18.04	18.09	18.06	19.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	19.5
50	PI/2 BPSK	1	1	18.05	18.09	18.07	19.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	19.5
40	PI/2 BPSK	1	1	18.03	18.12	18.07	19.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	19.5
30	PI/2 BPSK	1	1	18.04	18.11	18.06	19.5
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	19.5
25	PI/2 BPSK	1	1	18.06	18.11	18.05	19.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	19.5
20	PI/2 BPSK	1	1	18.05	18.11	18.09	19.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	19.5
15	PI/2 BPSK	1	1	18.06	18.11	18.07	19.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	19.5
10	PI/2 BPSK	1	1	18.05	18.12	18.05	19.5



<FR1 n77\_Ant 9\_DSI 5\_Main PA>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		16.5
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		15.43		16.5
100	PI/2 BPSK	1	137		15.48		
100	PI/2 BPSK	1	271		15.42		
100	PI/2 BPSK	135	0		15.42		16.5
100	PI/2 BPSK	135	69		15.50		16.5
100	PI/2 BPSK	135	138		15.44		16.5
100	PI/2 BPSK	270	0		15.49		
100	QPSK	1	1		15.60		16.5
100	QPSK	1	137		15.38		
100	QPSK	1	271		15.42		
100	QPSK	135	0		15.42		16.5
100	QPSK	135	69		15.49		16.5
100	QPSK	135	138		15.35		16.5
100	QPSK	270	0		15.45		
100	16QAM	1	1		15.35		16.5
100	64QAM	1	1		15.42		16.5
100	256QAM	1	1		15.40		16.5
Channel				633000	633332	633666	16.5
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	15.37	15.37	15.50	16.5
Channel				632668	633332	634000	16.5
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	15.43	15.40	15.41	16.5
Channel				632334	633332	634332	16.5
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	15.33	15.48	15.35	16.5
Channel				632000	633332	634666	16.5
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	15.36	15.41	15.45	16.5
Channel				631668	633332	635000	16.5
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	15.34	15.42	15.45	16.5
Channel				631334	633332	635332	16.5
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	15.43	15.50	15.40	16.5
Channel				631000	633332	635666	16.5
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	15.38	15.43	15.38	16.5
Channel				630834	633332	635832	16.5
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	15.38	15.42	15.36	16.5
Channel				630668	633332	636000	16.5
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	15.39	15.41	15.37	16.5
Channel				630500	633332	636166	16.5
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	15.33	15.40	15.36	16.5
Channel				630334	633332	636332	16.5
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	15.37	15.45	15.39	16.5



<FR1 n77\_HPUE\_Ant 6\_DSI 5\_Main PA>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		18.5
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		18.24		18.5
100	PI/2 BPSK	1	137		18.20		
100	PI/2 BPSK	1	271		18.21		
100	PI/2 BPSK	135	0		18.19		18.5
100	PI/2 BPSK	135	69		18.29		18.5
100	PI/2 BPSK	135	138		18.14		18.5
100	PI/2 BPSK	270	0		18.16		
100	QPSK	1	1		18.42		18.5
100	QPSK	1	137		18.36		
100	QPSK	1	271		18.32		
100	QPSK	135	0		18.39		18.5
100	QPSK	135	69		18.41		18.5
100	QPSK	135	138		18.30		18.5
100	QPSK	270	0		18.30		
100	16QAM	1	1		18.31		18.5
100	64QAM	1	1		18.33		18.5
100	256QAM	1	1		18.24		18.5
Channel				633000	633332	633666	18.5
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	18.32	18.36	18.30	18.5
Channel				632668	633332	634000	18.5
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	18.28	18.32	18.27	18.5
Channel				632334	633332	634332	18.5
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	18.27	18.31	18.27	18.5
Channel				632000	633332	634666	18.5
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	18.30	18.33	18.25	18.5
Channel				631668	633332	635000	18.5
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	18.27	18.34	18.25	18.5
Channel				631334	633332	635332	18.5
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	18.27	18.31	18.29	18.5
Channel				631000	633332	635666	18.5
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	18.28	18.35	18.25	18.5
Channel				630834	633332	635832	18.5
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	18.29	18.34	18.27	18.5
Channel				630668	633332	636000	18.5
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	18.29	18.33	18.26	18.5
Channel				630500	633332	636166	18.5
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	18.28	18.33	18.28	18.5
Channel				630334	633332	636332	18.5
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	18.27	18.34	18.29	18.5



<FR1 n77\_HPUE\_Ant 7\_DSI 5\_Main PA>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		17.5
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		16.97		17.5
100	PI/2 BPSK	1	137		16.88		
100	PI/2 BPSK	1	271		16.88		
100	PI/2 BPSK	135	0		16.90		17.5
100	PI/2 BPSK	135	69		16.97		17.5
100	PI/2 BPSK	135	138		16.85		17.5
100	PI/2 BPSK	270	0		16.94		
100	QPSK	1	1		17.06		17.5
100	QPSK	1	137		16.96		
100	QPSK	1	271		16.93		
100	QPSK	135	0		16.95		17.5
100	QPSK	135	69		17.05		17.5
100	QPSK	135	138		16.91		17.5
100	QPSK	270	0		16.99		
100	16QAM	1	1		16.91		17.5
100	64QAM	1	1		16.87		17.5
100	256QAM	1	1		16.85		17.5
Channel				633000	633332	633666	17.5
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	16.84	16.93	16.86	17.5
Channel				632668	633332	634000	17.5
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	16.80	16.91	16.83	17.5
Channel				632334	633332	634332	17.5
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	16.81	16.92	16.81	17.5
Channel				632000	633332	634666	17.5
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	16.81	16.91	16.84	17.5
Channel				631668	633332	635000	17.5
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	16.82	16.88	16.81	17.5
Channel				631334	633332	635332	17.5
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	16.82	16.88	16.81	17.5
Channel				631000	633332	635666	17.5
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	16.81	16.90	16.81	17.5
Channel				630834	633332	635832	17.5
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	16.79	16.88	16.84	17.5
Channel				630668	633332	636000	17.5
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	16.81	16.90	16.81	17.5
Channel				630500	633332	636166	17.5
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	16.81	16.90	16.83	17.5
Channel				630334	633332	636332	17.5
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	16.81	16.90	16.85	17.5





<FR1 n77\_HPUE\_Ant 8\_DSI 5\_Main PA>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		22.5
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		21.12		22.5
100	PI/2 BPSK	1	137		21.06		
100	PI/2 BPSK	1	271		21.02		
100	PI/2 BPSK	135	0		20.90		22.5
100	PI/2 BPSK	135	69		20.98		22.5
100	PI/2 BPSK	135	138		20.85		22.5
100	PI/2 BPSK	270	0		21.01		
100	QPSK	1	1		21.21		22.5
100	QPSK	1	137		21.13		
100	QPSK	1	271		21.11		
100	QPSK	135	0		20.96		22.5
100	QPSK	135	69		21.03		22.5
100	QPSK	135	138		20.93		22.5
100	QPSK	270	0		21.06		
100	16QAM	1	1		20.93		22.5
100	64QAM	1	1		20.92		22.5
100	256QAM	1	1		20.88		22.5
Channel				633000	633332	633666	22.5
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	20.89	20.91	20.86	22.5
Channel				632668	633332	634000	22.5
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	20.84	20.87	20.82	22.5
Channel				632334	633332	634332	22.5
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	20.84	20.87	20.83	22.5
Channel				632000	633332	634666	22.5
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	20.88	20.88	20.81	22.5
Channel				631668	633332	635000	22.5
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	20.85	20.86	20.81	22.5
Channel				631334	633332	635332	22.5
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	20.84	20.87	20.82	22.5
Channel				631000	633332	635666	22.5
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	20.87	20.87	20.84	22.5
Channel				630834	633332	635832	22.5
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	20.86	20.86	20.82	22.5
Channel				630668	633332	636000	22.5
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	20.85	20.88	20.81	22.5
Channel				630500	633332	636166	22.5
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	20.87	20.90	20.83	22.5
Channel				630334	633332	636332	22.5
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	20.85	20.88	20.81	22.5



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		19.5
Frequency (MHz)							
100	PI/2 BPSK	1	1		17.96		19.5
100	PI/2 BPSK	1	137		18.00		
100	PI/2 BPSK	1	271		18.05		
100	PI/2 BPSK	135	0		17.95		19.5
100	PI/2 BPSK	135	69		17.99		19.5
100	PI/2 BPSK	135	138		18.01		19.5
100	PI/2 BPSK	270	0		18.15		
100	QPSK	1	1		18.04		19.5
100	QPSK	1	137		18.02		
100	QPSK	1	271		18.05		
100	QPSK	135	0		17.99		19.5
100	QPSK	135	69		18.04		19.5
100	QPSK	135	138		17.97		19.5
100	QPSK	270	0		17.95		
100	16QAM	1	1		17.97		19.5
100	64QAM	1	1		18.00		19.5
100	256QAM	1	1		18.02		19.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	17.99	18.04	17.99	19.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	17.97	17.99	18.03	19.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	18.02	17.98	17.98	19.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	17.95	18.00	17.91	19.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	17.88	17.84	17.87	19.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	17.85	17.94	17.87	19.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	17.87	17.91	17.89	19.5
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	17.88	17.94	17.85	19.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	17.86	17.93	17.88	19.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	17.81	17.92	17.87	19.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	17.84	17.99	17.94	19.5



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		15.5
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		15.27		15.5
100	PI/2 BPSK	1	137		15.21		
100	PI/2 BPSK	1	271		15.14		
100	PI/2 BPSK	135	0		15.21		15.5
100	PI/2 BPSK	135	69		15.26		15.5
100	PI/2 BPSK	135	138		15.14		15.5
100	PI/2 BPSK	270	0		15.30		
100	QPSK	1	1		15.45		15.5
100	QPSK	1	137		15.35		
100	QPSK	1	271		15.31		
100	QPSK	135	0		15.33		15.5
100	QPSK	135	69		15.44		15.5
100	QPSK	135	138		15.32		15.5
100	QPSK	270	0		15.44		
100	16QAM	1	1		15.31		15.5
100	64QAM	1	1		15.26		15.5
100	256QAM	1	1		15.20		15.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	15.31	15.36	15.33	15.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	15.27	15.34	15.30	15.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	15.28	15.34	15.29	15.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	15.27	15.35	15.30	15.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	15.26	15.35	15.28	15.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	15.26	15.34	15.31	15.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	15.26	15.32	15.29	15.5
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	15.28	15.33	15.29	15.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	15.30	15.35	15.30	15.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	15.30	15.32	15.32	15.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	15.27	15.35	15.30	15.5



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		15.5
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		14.74		15.5
100	PI/2 BPSK	1	137		14.65		
100	PI/2 BPSK	1	271		14.62		
100	PI/2 BPSK	135	0		14.55		15.5
100	PI/2 BPSK	135	69		14.68		15.5
100	PI/2 BPSK	135	138		14.55		15.5
100	PI/2 BPSK	270	0		14.71		
100	QPSK	1	1		14.82		15.5
100	QPSK	1	137		14.70		
100	QPSK	1	271		14.69		
100	QPSK	135	0		14.65		15.5
100	QPSK	135	69		14.77		15.5
100	QPSK	135	138		14.63		15.5
100	QPSK	270	0		14.79		
100	16QAM	1	1		14.61		15.5
100	64QAM	1	1		14.63		15.5
100	256QAM	1	1		14.58		15.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	14.63	14.69	14.68	15.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	14.60	14.65	14.66	15.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	14.62	14.64	14.65	15.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	14.60	14.64	14.64	15.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	14.58	14.65	14.67	15.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	14.62	14.68	14.64	15.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	14.60	14.67	14.65	15.5
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	14.58	14.66	14.63	15.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	14.60	14.66	14.63	15.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	14.61	14.64	14.67	15.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	14.62	14.65	14.64	15.5



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		19.5
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		18.63		19.5
100	PI/2 BPSK	1	137		18.52		
100	PI/2 BPSK	1	271		18.46		
100	PI/2 BPSK	135	0		18.35		19.5
100	PI/2 BPSK	135	69		18.53		19.5
100	PI/2 BPSK	135	138		18.29		19.5
100	PI/2 BPSK	270	0		18.49		
100	QPSK	1	1		18.70		19.5
100	QPSK	1	137		18.62		
100	QPSK	1	271		18.56		
100	QPSK	135	0		18.43		19.5
100	QPSK	135	69		18.59		19.5
100	QPSK	135	138		18.38		19.5
100	QPSK	270	0		18.54		
100	16QAM	1	1		18.42		19.5
100	64QAM	1	1		18.41		19.5
100	256QAM	1	1		18.36		19.5
Channel				649668	650000	650332	19.5
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	18.41	18.43	18.38	19.5
Channel				649334	650000	650666	19.5
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	18.36	18.40	18.37	19.5
Channel				649000	650000	651000	19.5
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	18.40	18.39	18.36	19.5
Channel				648668	650000	651332	19.5
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	18.40	18.42	18.35	19.5
Channel				648334	650000	651666	19.5
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	18.38	18.41	18.37	19.5
Channel				648000	650000	652000	19.5
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	18.39	18.39	18.34	19.5
Channel				647668	650000	652332	19.5
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	18.40	18.38	18.33	19.5
Channel				647500	650000	652500	19.5
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	18.40	18.40	18.34	19.5
Channel				647334	650000	652666	19.5
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	18.38	18.40	18.33	19.5
Channel				647168	650000	652832	19.5
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	18.39	18.39	18.34	19.5
Channel				647000	650000	653000	19.5
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	18.39	18.38	18.35	19.5



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		18.5
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		17.52		18.5
100	PI/2 BPSK	1	137		17.45		
100	PI/2 BPSK	1	271		17.40		
100	PI/2 BPSK	135	0		17.37		18.5
100	PI/2 BPSK	135	69		17.45		18.5
100	PI/2 BPSK	135	138		17.33		18.5
100	PI/2 BPSK	270	0		17.48		
100	QPSK	1	1		17.59		18.5
100	QPSK	1	137		17.52		
100	QPSK	1	271		17.50		
100	QPSK	135	0		17.46		18.5
100	QPSK	135	69		17.54		18.5
100	QPSK	135	138		17.43		18.5
100	QPSK	270	0		17.55		
100	16QAM	1	1		17.41		18.5
100	64QAM	1	1		17.36		18.5
100	256QAM	1	1		17.33		18.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	17.32	17.40	17.36	18.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	17.28	17.38	17.34	18.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	17.30	17.39	17.31	18.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	17.31	17.35	17.31	18.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	17.27	17.37	17.35	18.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	17.28	17.35	17.31	18.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	17.27	17.36	17.35	18.5
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	17.29	17.37	17.32	18.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	17.31	17.35	17.32	18.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	17.31	17.35	17.34	18.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	17.30	17.39	17.33	18.5



<FR1 n78\_HPUE\_Ant 6\_DSI 5\_Main PA>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		18.5
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		18.20		18.5
100	PI/2 BPSK	1	137		18.11		
100	PI/2 BPSK	1	271		18.05		
100	PI/2 BPSK	135	0		18.03		18.5
100	PI/2 BPSK	135	69		18.18		18.5
100	PI/2 BPSK	135	138		18.10		18.5
100	PI/2 BPSK	270	0		18.17		
100	QPSK	1	1		18.26		18.5
100	QPSK	1	137		18.18		
100	QPSK	1	271		18.14		
100	QPSK	135	0		18.11		18.5
100	QPSK	135	69		18.25		18.5
100	QPSK	135	138		18.15		18.5
100	QPSK	270	0		18.22		
100	16QAM	1	1		18.16		18.5
100	64QAM	1	1		18.13		18.5
100	256QAM	1	1		18.11		18.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	18.13	18.15	18.11	18.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	18.09	18.14	18.07	18.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	18.11	18.11	18.10	18.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	18.10	18.10	18.06	18.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	18.10	18.11	18.10	18.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	18.11	18.13	18.08	18.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	18.10	18.13	18.07	18.5
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	18.09	18.12	18.06	18.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	18.10	18.10	18.09	18.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	18.11	18.10	18.06	18.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	18.11	18.14	18.07	18.5



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		18.5
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		17.77		18.5
100	PI/2 BPSK	1	137		17.73		
100	PI/2 BPSK	1	271		17.76		
100	PI/2 BPSK	135	0		17.78		18.5
100	PI/2 BPSK	135	69		17.76		18.5
100	PI/2 BPSK	135	138		17.68		18.5
100	PI/2 BPSK	270	0		17.73		
100	QPSK	1	1		17.85		18.5
100	QPSK	1	137		17.81		
100	QPSK	1	271		17.82		
100	QPSK	135	0		17.83		18.5
100	QPSK	135	69		17.84		18.5
100	QPSK	135	138		17.78		18.5
100	QPSK	270	0		17.82		
100	16QAM	1	1		17.79		18.5
100	64QAM	1	1		17.76		18.5
100	256QAM	1	1		17.71		18.5
Channel				649668	650000	650332	18.5
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	17.70	17.77	17.72	18.5
Channel				649334	650000	650666	18.5
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	17.67	17.72	17.68	18.5
Channel				649000	650000	651000	18.5
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	17.68	17.73	17.69	18.5
Channel				648668	650000	651332	18.5
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	17.67	17.76	17.69	18.5
Channel				648334	650000	651666	18.5
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	17.69	17.74	17.67	18.5
Channel				648000	650000	652000	18.5
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	17.67	17.74	17.67	18.5
Channel				647668	650000	652332	18.5
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	17.66	17.74	17.70	18.5
Channel				647500	650000	652500	18.5
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	17.66	17.74	17.69	18.5
Channel				647334	650000	652666	18.5
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	17.66	17.76	17.69	18.5
Channel				647168	650000	652832	18.5
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	17.67	17.76	17.71	18.5
Channel				647000	650000	653000	18.5
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	17.67	17.74	17.70	18.5





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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		Tune-up limit (dBm)
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		21.19		22.5
100	PI/2 BPSK	1	137		21.06		
100	PI/2 BPSK	1	271		21.00		
100	PI/2 BPSK	135	0		21.01		22.5
100	PI/2 BPSK	135	69		21.09		22.5
100	PI/2 BPSK	135	138		20.92		22.5
100	PI/2 BPSK	270	0		21.07		
100	QPSK	1	1		21.29		22.5
100	QPSK	1	137		21.16		
100	QPSK	1	271		21.10		
100	QPSK	135	0		21.06		22.5
100	QPSK	135	69		21.18		22.5
100	QPSK	135	138		21.01		22.5
100	QPSK	270	0		21.12		
100	16QAM	1	1		21.04		22.5
100	64QAM	1	1		21.00		22.5
100	256QAM	1	1		20.79		22.0
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	21.06	21.09	21.00	22.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	21.04	21.08	20.98	22.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	21.05	21.08	20.97	22.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	21.05	21.06	20.96	22.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	21.05	21.06	20.98	22.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	21.03	21.07	20.95	22.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	21.03	21.04	20.97	22.5
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	21.04	21.05	20.98	22.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	21.05	21.04	20.95	22.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	21.03	21.06	20.96	22.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	21.04	21.05	20.99	22.5



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					650000		21.5
Frequency (MHz)					3750		
100	PI/2 BPSK	1	1		20.09		21.5
100	PI/2 BPSK	1	137		20.01		
100	PI/2 BPSK	1	271		19.99		
100	PI/2 BPSK	135	0		19.99		21.5
100	PI/2 BPSK	135	69		20.08		21.5
100	PI/2 BPSK	135	138		19.97		21.5
100	PI/2 BPSK	270	0		20.05		
100	QPSK	1	1		20.16		21.5
100	QPSK	1	137		20.11		
100	QPSK	1	271		20.09		
100	QPSK	135	0		20.09		21.5
100	QPSK	135	69		20.15		21.5
100	QPSK	135	138		20.06		21.5
100	QPSK	270	0		20.14		
100	16QAM	1	1		20.06		21.5
100	64QAM	1	1		20.04		21.5
100	256QAM	1	1		20.03		21.5
Channel				649668	650000	650332	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3754.98	
90	PI/2 BPSK	1	1	20.03	20.06	20.01	21.5
Channel				649334	650000	650666	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3759.99	
80	PI/2 BPSK	1	1	19.99	20.05	19.97	21.5
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	
70	PI/2 BPSK	1	1	19.98	20.03	19.96	21.5
Channel				648668	650000	651332	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3769.98	
60	PI/2 BPSK	1	1	19.98	20.05	19.98	21.5
Channel				648334	650000	651666	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3774.99	
50	PI/2 BPSK	1	1	20.01	20.04	19.99	21.5
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	
40	PI/2 BPSK	1	1	19.98	20.03	19.98	21.5
Channel				647668	650000	652332	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750.00	3784.98	
30	PI/2 BPSK	1	1	20.00	20.01	20.00	21.5
Channel				647500	650000	652500	Tune-up limit (dBm)
Frequency (MHz)				3712.5	3750.00	3787.50	
25	PI/2 BPSK	1	1	20.01	20.03	19.98	21.5
Channel				647334	650000	652666	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3789.99	
20	PI/2 BPSK	1	1	19.98	20.05	19.98	21.5
Channel				647168	650000	652832	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.48	
15	PI/2 BPSK	1	1	20.00	20.04	19.97	21.5
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	
10	PI/2 BPSK	1	1	20.02	20.05	19.99	21.5



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		15.5
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		15.44		15.5
100	PI/2 BPSK	1	137		15.31		
100	PI/2 BPSK	1	271		15.29		
100	PI/2 BPSK	135	0		15.33		15.5
100	PI/2 BPSK	135	69		15.37		15.5
100	PI/2 BPSK	135	138		15.29		15.5
100	PI/2 BPSK	270	0		15.39		
100	QPSK	1	1		15.49		15.5
100	QPSK	1	137		15.41		
100	QPSK	1	271		15.36		
100	QPSK	135	0		15.40		15.5
100	QPSK	135	69		15.45		15.5
100	QPSK	135	138		15.34		15.5
100	QPSK	270	0		15.45		
100	16QAM	1	1		15.36		15.5
100	64QAM	1	1		15.33		15.5
100	256QAM	1	1		15.28		15.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	15.20	15.26	15.23	15.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	15.16	15.25	15.21	15.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	15.17	15.21	15.19	15.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	15.19	15.25	15.20	15.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	15.16	15.23	15.19	15.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	15.15	15.21	15.21	15.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	15.17	15.21	15.20	15.5
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	15.19	15.25	15.22	15.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	15.16	15.23	15.21	15.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	15.19	15.24	15.20	15.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	15.16	15.24	15.22	15.5



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		15.5
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		14.79		15.5
100	PI/2 BPSK	1	137		14.69		
100	PI/2 BPSK	1	271		14.66		
100	PI/2 BPSK	135	0		14.67		15.5
100	PI/2 BPSK	135	69		14.76		15.5
100	PI/2 BPSK	135	138		14.65		15.5
100	PI/2 BPSK	270	0		14.73		
100	QPSK	1	1		14.84		15.5
100	QPSK	1	137		14.78		
100	QPSK	1	271		14.73		
100	QPSK	135	0		14.76		15.5
100	QPSK	135	69		14.82		15.5
100	QPSK	135	138		14.70		15.5
100	QPSK	270	0		14.80		
100	16QAM	1	1		14.72		15.5
100	64QAM	1	1		14.69		15.5
100	256QAM	1	1		14.65		15.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	15.5
90	PI/2 BPSK	1	1	14.63	14.71	14.68	15.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	15.5
80	PI/2 BPSK	1	1	14.61	14.67	14.65	15.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	15.5
70	PI/2 BPSK	1	1	14.60	14.69	14.67	15.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	15.5
60	PI/2 BPSK	1	1	14.59	14.67	14.67	15.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	15.5
50	PI/2 BPSK	1	1	14.58	14.70	14.65	15.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	15.5
40	PI/2 BPSK	1	1	14.59	14.67	14.64	15.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	15.5
30	PI/2 BPSK	1	1	14.62	14.68	14.67	15.5
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	15.5
25	PI/2 BPSK	1	1	14.58	14.69	14.63	15.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	15.5
20	PI/2 BPSK	1	1	14.58	14.69	14.65	15.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	15.5
15	PI/2 BPSK	1	1	14.61	14.68	14.63	15.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	15.5
10	PI/2 BPSK	1	1	14.59	14.70	14.64	15.5



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		19.5
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		18.42		19.5
100	PI/2 BPSK	1	137		18.30		
100	PI/2 BPSK	1	271		18.25		
100	PI/2 BPSK	135	0		18.16		19.5
100	PI/2 BPSK	135	69		18.25		19.5
100	PI/2 BPSK	135	138		18.11		19.5
100	PI/2 BPSK	270	0		18.20		
100	QPSK	1	1		18.47		19.5
100	QPSK	1	137		18.36		
100	QPSK	1	271		18.30		
100	QPSK	135	0		18.23		19.5
100	QPSK	135	69		18.31		19.5
100	QPSK	135	138		18.20		19.5
100	QPSK	270	0		18.29		
100	16QAM	1	1		18.16		19.5
100	64QAM	1	1		18.11		19.5
100	256QAM	1	1		18.06		19.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	19.5
90	PI/2 BPSK	1	1	18.06	18.13	18.10	19.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	19.5
80	PI/2 BPSK	1	1	18.03	18.12	18.09	19.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	19.5
70	PI/2 BPSK	1	1	18.04	18.12	18.05	19.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	19.5
60	PI/2 BPSK	1	1	18.01	18.08	18.08	19.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	19.5
50	PI/2 BPSK	1	1	18.03	18.12	18.07	19.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	19.5
40	PI/2 BPSK	1	1	18.03	18.12	18.09	19.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	19.5
30	PI/2 BPSK	1	1	18.04	18.12	18.06	19.5
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	19.5
25	PI/2 BPSK	1	1	18.05	18.10	18.09	19.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	19.5
20	PI/2 BPSK	1	1	18.03	18.10	18.06	19.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	19.5
15	PI/2 BPSK	1	1	18.03	18.12	18.07	19.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	19.5
10	PI/2 BPSK	1	1	18.04	18.10	18.05	19.5



<FR1 n78\_Ant 9\_DSI 5\_Main PA>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		18.5
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		17.53		18.5
100	PI/2 BPSK	1	137		17.49		
100	PI/2 BPSK	1	271		17.48		
100	PI/2 BPSK	135	0		17.39		18.5
100	PI/2 BPSK	135	69		17.46		18.5
100	PI/2 BPSK	135	138		17.46		18.5
100	PI/2 BPSK	270	0		17.49		
100	QPSK	1	1		17.69		18.5
100	QPSK	1	137		17.63		
100	QPSK	1	271		17.60		
100	QPSK	135	0		17.59		18.5
100	QPSK	135	69		17.65		18.5
100	QPSK	135	138		17.56		18.5
100	QPSK	270	0		17.62		
100	16QAM	1	1		17.51		18.5
100	64QAM	1	1		17.48		18.5
100	256QAM	1	1		17.43		18.5
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	18.5
90	PI/2 BPSK	1	1	17.36	17.41	17.38	18.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	18.5
80	PI/2 BPSK	1	1	17.35	17.37	17.36	18.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	18.5
70	PI/2 BPSK	1	1	17.33	17.37	17.36	18.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	18.5
60	PI/2 BPSK	1	1	17.31	17.39	17.37	18.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	18.5
50	PI/2 BPSK	1	1	17.32	17.37	17.36	18.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	18.5
40	PI/2 BPSK	1	1	17.35	17.38	17.33	18.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	18.5
30	PI/2 BPSK	1	1	17.33	17.37	17.34	18.5
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	18.5
25	PI/2 BPSK	1	1	17.35	17.39	17.36	18.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	18.5
20	PI/2 BPSK	1	1	17.35	17.39	17.37	18.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	18.5
15	PI/2 BPSK	1	1	17.34	17.38	17.33	18.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	18.5
10	PI/2 BPSK	1	1	17.32	17.38	17.35	18.5



<FR1 n78\_HPUE\_Ant 6\_DSI 5\_Main PA>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		18.5
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		18.24		18.5
100	PI/2 BPSK	1	137		18.16		
100	PI/2 BPSK	1	271		18.15		
100	PI/2 BPSK	135	0		18.12		18.5
100	PI/2 BPSK	135	69		18.18		18.5
100	PI/2 BPSK	135	138		18.05		18.5
100	PI/2 BPSK	270	0		18.17		
100	QPSK	1	1		18.29		18.5
100	QPSK	1	137		18.21		
100	QPSK	1	271		18.20		
100	QPSK	135	0		18.18		18.5
100	QPSK	135	69		18.25		18.5
100	QPSK	135	138		18.13		18.5
100	QPSK	270	0		18.25		
100	16QAM	1	1		18.10		18.5
100	64QAM	1	1		18.08		18.5
100	256QAM	1	1		18.05		18.5
Channel				633000	633332	633666	18.5
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	18.03	18.10	18.05	18.5
Channel				632668	633332	634000	18.5
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	18.00	18.07	18.03	18.5
Channel				632334	633332	634332	18.5
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	18.01	18.05	18.00	18.5
Channel				632000	633332	634666	18.5
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	18.00	18.05	18.01	18.5
Channel				631668	633332	635000	18.5
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	17.99	18.08	18.00	18.5
Channel				631334	633332	635332	18.5
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	18.01	18.09	18.01	18.5
Channel				631000	633332	635666	18.5
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	17.99	18.09	18.02	18.5
Channel				630834	633332	635832	18.5
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	18.02	18.06	18.04	18.5
Channel				630668	633332	636000	18.5
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	18.00	18.09	18.00	18.5
Channel				630500	633332	636166	18.5
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	17.98	18.05	18.03	18.5
Channel				630334	633332	636332	18.5
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	18.00	18.08	18.00	18.5



<FR1 n78\_HPUE\_Ant 7\_DSI 5\_Main PA>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		18.5
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		17.54		18.5
100	PI/2 BPSK	1	137		17.47		
100	PI/2 BPSK	1	271		17.49		
100	PI/2 BPSK	135	0		17.46		18.5
100	PI/2 BPSK	135	69		17.53		18.5
100	PI/2 BPSK	135	138		17.41		18.5
100	PI/2 BPSK	270	0		17.51		
100	QPSK	1	1		17.62		18.5
100	QPSK	1	137		17.56		
100	QPSK	1	271		17.55		
100	QPSK	135	0		17.53		18.5
100	QPSK	135	69		17.60		18.5
100	QPSK	135	138		17.51		18.5
100	QPSK	270	0		17.58		
100	16QAM	1	1		17.51		18.5
100	64QAM	1	1		17.48		18.5
100	256QAM	1	1		17.43		18.5
Channel				633000	633332	633666	18.5
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	17.44	17.50	17.46	18.5
Channel				632668	633332	634000	18.5
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	17.43	17.45	17.45	18.5
Channel				632334	633332	634332	18.5
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	17.43	17.49	17.41	18.5
Channel				632000	633332	634666	18.5
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	17.43	17.45	17.45	18.5
Channel				631668	633332	635000	18.5
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	17.41	17.46	17.44	18.5
Channel				631334	633332	635332	18.5
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	17.40	17.48	17.41	18.5
Channel				631000	633332	635666	18.5
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	17.39	17.48	17.44	18.5
Channel				630834	633332	635832	18.5
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	17.41	17.49	17.43	18.5
Channel				630668	633332	636000	18.5
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	17.39	17.48	17.43	18.5
Channel				630500	633332	636166	18.5
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	17.43	17.48	17.42	18.5
Channel				630334	633332	636332	18.5
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	17.43	17.45	17.44	18.5

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<FR1 n78\_HPUE\_Ant 8\_DSI 5\_Main PA>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		22.5
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		21.23		22.5
100	PI/2 BPSK	1	137		21.11		
100	PI/2 BPSK	1	271		21.05		
100	PI/2 BPSK	135	0		20.96		22.5
100	PI/2 BPSK	135	69		21.06		22.5
100	PI/2 BPSK	135	138		20.92		22.5
100	PI/2 BPSK	270	0		21.08		
100	QPSK	1	1		21.28		22.5
100	QPSK	1	137		21.16		
100	QPSK	1	271		21.10		
100	QPSK	135	0		21.06		22.5
100	QPSK	135	69		21.14		22.5
100	QPSK	135	138		21.01		22.5
100	QPSK	270	0		21.16		
100	16QAM	1	1		21.10		22.5
100	64QAM	1	1		21.01		22.5
100	256QAM	1	1		20.78		22.0
Channel				633000	633332	633666	Tune-up limit (dBm)
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	21.03	21.10	21.06	22.5
Channel				632668	633332	634000	Tune-up limit (dBm)
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	20.98	21.08	21.04	22.5
Channel				632334	633332	634332	Tune-up limit (dBm)
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	21.01	21.08	21.04	22.5
Channel				632000	633332	634666	Tune-up limit (dBm)
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	20.98	21.05	21.05	22.5
Channel				631668	633332	635000	Tune-up limit (dBm)
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	21.00	21.07	21.05	22.5
Channel				631334	633332	635332	Tune-up limit (dBm)
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	21.00	21.06	21.05	22.5
Channel				631000	633332	635666	Tune-up limit (dBm)
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	20.99	21.05	21.03	22.5
Channel				630834	633332	635832	Tune-up limit (dBm)
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	21.02	21.08	21.04	22.5
Channel				630668	633332	636000	Tune-up limit (dBm)
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	21.01	21.09	21.01	22.5
Channel				630500	633332	636166	Tune-up limit (dBm)
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	21.01	21.07	21.02	22.5
Channel				630334	633332	636332	Tune-up limit (dBm)
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	21.01	21.09	21.01	22.5



<FR1 n78\_HPUE\_Ant 9\_DSI 5\_Main PA>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel					633332		21.5
Frequency (MHz)					3499.98		
100	PI/2 BPSK	1	1		20.22		21.5
100	PI/2 BPSK	1	137		20.09		
100	PI/2 BPSK	1	271		20.04		
100	PI/2 BPSK	135	0		20.04		21.5
100	PI/2 BPSK	135	69		20.17		21.5
100	PI/2 BPSK	135	138		19.99		21.5
100	PI/2 BPSK	270	0		20.12		
100	QPSK	1	1		20.29		21.5
100	QPSK	1	137		20.16		
100	QPSK	1	271		20.11		
100	QPSK	135	0		20.10		21.5
100	QPSK	135	69		20.25		21.5
100	QPSK	135	138		20.08		21.5
100	QPSK	270	0		20.21		
100	16QAM	1	1		20.06		21.5
100	64QAM	1	1		20.03		21.5
100	256QAM	1	1		19.93		21.5
Channel				633000	633332	633666	21.5
Frequency (MHz)				3495	3499.98	3504.99	
90	PI/2 BPSK	1	1	20.03	20.13	20.06	21.5
Channel				632668	633332	634000	21.5
Frequency (MHz)				3490.02	3499.98	3510	
80	PI/2 BPSK	1	1	20.02	20.08	20.03	21.5
Channel				632334	633332	634332	21.5
Frequency (MHz)				3485.01	3499.98	3514.98	
70	PI/2 BPSK	1	1	19.98	20.12	20.01	21.5
Channel				632000	633332	634666	21.5
Frequency (MHz)				3480	3499.98	3519.99	
60	PI/2 BPSK	1	1	20.00	20.08	20.05	21.5
Channel				631668	633332	635000	21.5
Frequency (MHz)				3475.02	3499.98	3525	
50	PI/2 BPSK	1	1	20.01	20.12	20.05	21.5
Channel				631334	633332	635332	21.5
Frequency (MHz)				3470.01	3499.98	3529.98	
40	PI/2 BPSK	1	1	20.00	20.11	20.01	21.5
Channel				631000	633332	635666	21.5
Frequency (MHz)				3465	3499.98	3534.99	
30	PI/2 BPSK	1	1	20.00	20.12	20.04	21.5
Channel				630834	633332	635832	21.5
Frequency (MHz)				3462.51	3499.98	3537.48	
25	PI/2 BPSK	1	1	20.00	20.09	20.04	21.5
Channel				630668	633332	636000	21.5
Frequency (MHz)				3460.02	3499.98	3540	
20	PI/2 BPSK	1	1	19.98	20.11	20.02	21.5
Channel				630500	633332	636166	21.5
Frequency (MHz)				3457.5	3499.98	3542.49	
15	PI/2 BPSK	1	1	19.99	20.12	20.02	21.5
Channel				630334	633332	636332	21.5
Frequency (MHz)				3455.01	3499.98	3544.98	
10	PI/2 BPSK	1	1	20.00	20.12	20.01	21.5



<2.4GHz WLAN_Index 1>														
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Ant 16			Ant 7			Ant 16+7				
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %		
2.4GHz WLAN	802.11b 1Mbps	1	2412	Not Required	19.50	98.31	Not Required	19.50	98.64	21.66	22.50	98.64		
		6	2437		19.00			19.00		21.38	22.00			
		11	2462		20.00			20.00		22.03	23.00			
	802.11g 6Mbps	1	2412		19.00	96.48		19.00	96.48	19.00	96.48	21.39	22.00	96.48
		6	2437		19.00			19.00		21.33		22.00		
		11	2462		19.50			19.50		21.72		22.50		
	802.11n-HT20 MCS0	1	2412		18.00	96.16		18.00	96.16	18.00	96.16	20.36	21.00	96.16
		6	2437		18.00			18.00		20.22		21.00		
		11	2462		18.50			18.50		20.59		21.50		
	802.11n-HT40 MCS0	3	2422		17.50	92.56		17.50	92.56	17.50	92.56	19.60	20.50	92.56
		6	2437		17.00			17.00		19.24		20.00		
		9	2452		17.00			17.00		19.44		20.00		
	802.11ax-HE20 MCS0	1	2412		18.00	95.77		18.00	95.77	18.00	95.77	20.42	21.00	95.77
		6	2437		18.00			18.00		20.30		21.00		
		11	2462		18.50			18.50		20.66		21.50		
	802.11ax-HE40 MCS0	3	2422		17.50	91.18		17.50	91.18	17.50	91.18	19.69	20.50	91.18
		6	2437		17.00			17.00		19.30		20.00		
		9	2452		17.50			17.50		19.55		20.50		
	802.11be-EHT20 MCS0	1	2412		18.00	95.80		18.00	95.80	18.00	95.80	20.48	21.00	95.80
		6	2437		18.00			18.00		20.37		21.00		
		11	2462		18.50			18.50		20.72		21.50		
	802.11be-EHT40 MCS0	3	2422		17.50	91.67		17.50	91.67	17.50	91.67	19.73	20.50	91.67
		6	2437		17.00			17.00		19.33		20.00		
		9	2452		17.50			17.50		19.60		20.50		



<2.4GHz WLAN_Index 2>																																																								
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Ant 16			Ant 7			Ant 16+7																																														
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %																																												
2.4GHz WLAN	802.11b 1Mbps	1	2412	Not Required	9.00	Not Required	7.65	9.00	98.64	10.61	12.00	98.64																																												
		6	2437		9.00		7.35	9.00		10.52	12.00																																													
		11	2462		9.00		7.72	9.00		10.89	12.00																																													
	802.11g 6Mbps	1	2412		9.00		9.00	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required																																										
		6	2437		9.00		9.00																																																	
		11	2462		9.00		9.00																																																	
	802.11n-HT20 MCS0	1	2412		9.00		9.00								Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required																																			
		6	2437		9.00		9.00																																																	
		11	2462		9.00		9.00																																																	
	802.11n-HT40 MCS0	3	2422		9.00		9.00															Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required																												
		6	2437		9.00		9.00																																																	
		9	2452		9.00		9.00																																																	
	802.11ax-HE20 MCS0	1	2412		9.00		9.00																						Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required																					
		6	2437		9.00		9.00																																																	
		11	2462		9.00		9.00																																																	
	802.11ax-HE40 MCS0	3	2422		9.00		9.00																													Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required														
		6	2437		9.00		9.00																																																	
		9	2452		9.00		9.00																																																	
	802.11be-EHT20 MCS0	1	2412		9.00		9.00																																				Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required							
		6	2437		9.00		9.00																																																	
		11	2462		9.00		9.00																																																	
	802.11be-EHT40 MCS0	3	2422		9.00		9.00																																											Not Required	Not Required	Not Required	Not Required	Not Required	Not Required	Not Required
		6	2437		9.00		9.00																																																	
		9	2452		9.00		9.00																																																	



<2.4GHz WLAN_Index 3>																														
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Ant 16			Ant 7			Ant 16+7																				
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %																		
2.4GHz WLAN	802.11b 1Mbps	1	2412	Not Required	7.00	Not Required	6.33	7.00	98.64	9.40	10.00	98.64																		
		6	2437		7.00		6.32	7.00		9.46	10.00																			
		11	2462		7.00		6.48	7.00		9.49	10.00																			
	802.11g 6Mbps	1	2412		7.00		7.00	Not Required	7.00	Not Required	10.00	Not Required																		
		6	2437		7.00		7.00		10.00																					
		11	2462		7.00		7.00		10.00																					
	802.11n-HT20 MCS0	1	2412		7.00		7.00		7.00		Not Required		7.00	Not Required	10.00	Not Required														
		6	2437		7.00		7.00		7.00																					
		11	2462		7.00		7.00		7.00																					
	802.11n-HT40 MCS0	3	2422		7.00		7.00		7.00				Not Required		7.00		Not Required	10.00	Not Required											
		6	2437		7.00		7.00		7.00																					
		9	2452		7.00		7.00		7.00																					
	802.11ax-HE20 MCS0	1	2412		7.00		7.00		Not Required						7.00			Not Required		10.00	Not Required									
		6	2437		7.00		7.00								7.00															
		11	2462		7.00		7.00								7.00															
	802.11ax-HE40 MCS0	3	2422		7.00		7.00								Not Required					7.00		Not Required	10.00	Not Required						
		6	2437		7.00		7.00													7.00										
		9	2452		7.00		7.00													7.00										
	802.11be-EHT20 MCS0	1	2412		7.00		7.00													Not Required			7.00		Not Required	10.00	Not Required			
		6	2437		7.00		7.00																7.00							
		11	2462		7.00		7.00																7.00							
	802.11be-EHT40 MCS0	3	2422		7.00		7.00																Not Required			7.00		Not Required	10.00	Not Required
		6	2437		7.00		7.00																			7.00				
		9	2452		7.00		7.00																			7.00				



<2.4GHz WLAN_Index 4>												
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Ant 16			Ant 7			Ant 16+7		
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	Not Required	16.50	Not Required	15.61	16.50	98.64	18.76	19.50	98.64
		6	2437		16.50		15.49	16.50		18.44	19.50	
		11	2462		16.50		15.73	16.50		18.81	19.50	
	802.11g 6Mbps	1	2412		16.50		16.50	19.50				
		6	2437		16.50		16.50	19.50				
		11	2462		16.50		16.50	19.50				
	802.11n-HT20 MCS0	1	2412		16.50		16.50	19.50				
		6	2437		16.50		16.50	19.50				
		11	2462		16.50		16.50	19.50				
	802.11n-HT40 MCS0	3	2422		16.50		16.50	19.50				
		6	2437		16.50		16.50	19.50				
		9	2452		16.50		16.50	19.50				
	802.11ax-HE20 MCS0	1	2412		16.50		16.50	19.50				
		6	2437		16.50		16.50	19.50				
		11	2462		16.50		16.50	19.50				
	802.11ax-HE40 MCS0	3	2422		16.50		16.50	19.50				
		6	2437		16.50		16.50	19.50				
		9	2452		16.50		16.50	19.50				
	802.11be-EHT20 MCS0	1	2412		16.50		16.50	19.50				
		6	2437		16.50		16.50	19.50				
		11	2462		16.50		16.50	19.50				
	802.11be-EHT40 MCS0	3	2422		16.50		16.50	19.50				
		6	2437		16.50		16.50	19.50				
		9	2452		16.50		16.50	19.50				



<2.4GHz WLAN_Index 5>												
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Ant 16			Ant 7			Ant 16+7		
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	Not Required	14.50	Not Required	13.66	14.50	98.64	16.70	17.50	98.64
		6	2437		14.50		13.60	14.50		16.75	17.50	
		11	2462		14.50		13.71	14.50		16.74	17.50	
	802.11g 6Mbps	1	2412		14.50		14.50	Not Required	14.50	17.50	Not Required	
		6	2437		14.50		14.50		17.50			
		11	2462		14.50		14.50		17.50			
	802.11n-HT20 MCS0	1	2412		14.50		14.50		17.50			
		6	2437		14.50		14.50		17.50			
		11	2462		14.50		14.50		17.50			
	802.11n-HT40 MCS0	3	2422		14.50		14.50		17.50			
		6	2437		14.50		14.50		17.50			
		9	2452		14.50		14.50		17.50			
	802.11ax-HE20 MCS0	1	2412		14.50		14.50		17.50			
		6	2437		14.50		14.50		17.50			
		11	2462		14.50		14.50		17.50			
	802.11ax-HE40 MCS0	3	2422		14.50		14.50		17.50			
		6	2437		14.50		14.50		17.50			
		9	2452		14.50		14.50		17.50			
	802.11be-EHT20 MCS0	1	2412		14.50		14.50		17.50			
		6	2437		14.50		14.50		17.50			
		11	2462		14.50		14.50		17.50			
	802.11be-EHT40 MCS0	3	2422		14.50		14.50		17.50			
		6	2437		14.50		14.50		17.50			
		9	2452		14.50		14.50		17.50			



<2.4GHz WLAN_Index 6>													
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Ant 16			Ant 7			Ant 16+7			
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
2.4GHz WLAN	802.11b 1Mbps	1	2412	Not Required	17.50	Not Required	16.74	17.50	98.64	19.68	20.50	98.64	
		6	2437		17.50		16.52	17.50		19.49	20.50		
		11	2462		17.50		16.81	17.50		19.77	20.50		
	802.11g 6Mbps	1	2412		17.50		17.50	Not Required		17.50	20.50		
		6	2437		17.50		17.50			20.50			
		11	2462		17.50		17.50			20.50			
	802.11n-HT20 MCS0	1	2412		17.50		17.50			20.50			
		6	2437		17.50		17.50			20.50			
		11	2462		17.50		17.50			20.50			
	802.11n-HT40 MCS0	3	2422		17.50		17.50			20.50			
		6	2437		17.00		17.00			20.00			
		9	2452		17.00		17.00			20.00			
	802.11ax-HE20 MCS0	1	2412		17.50		17.50			Not Required	17.50		20.50
		6	2437		17.50		17.50				20.50		
		11	2462		17.50		17.50				20.50		
	802.11ax-HE40 MCS0	3	2422		17.50		17.50				20.50		
		6	2437		17.00		17.00				20.00		
		9	2452		17.50		17.50				20.50		
	802.11be-EHT20 MCS0	1	2412		17.50		17.50				20.50		
		6	2437		17.50		17.50				20.50		
		11	2462		17.50		17.50				20.50		
	802.11be-EHT40 MCS0	3	2422		17.50		17.50				20.50		
		6	2437		17.00		17.00				20.00		
		9	2452		17.50		17.50				20.50		





<2.4GHz WLAN_Index 7>												
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Ant 16			Ant 7			Ant 16+7		
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	Not Required	17.50	Not Required	16.74	17.50	98.64	19.68	20.50	98.64
		6	2437		17.50		16.52	17.50		19.49	20.50	
		11	2462		17.50		16.81	17.50		19.77	20.50	
	802.11g 6Mbps	1	2412		17.50		17.50	20.50				
		6	2437		17.50		17.50	20.50				
		11	2462		17.50		17.50	20.50				
	802.11n-HT20 MCS0	1	2412		17.50		17.50	20.50				
		6	2437		17.50		17.50	20.50				
		11	2462		17.50		17.50	20.50				
	802.11n-HT40 MCS0	3	2422		17.50		17.50	20.50				
		6	2437		17.00		17.00	20.00				
		9	2452		17.00		17.00	20.00				
	802.11ax-HE20 MCS0	1	2412		17.50		17.50	20.50				
		6	2437		17.50		17.50	20.50				
		11	2462		17.50		17.50	20.50				
	802.11ax-HE40 MCS0	3	2422		17.50		17.50	20.50				
		6	2437		17.00		17.00	20.00				
		9	2452		17.50		17.50	20.50				
	802.11be-EHT20 MCS0	1	2412		17.50		17.50	20.50				
		6	2437		17.50		17.50	20.50				
		11	2462		17.50		17.50	20.50				
	802.11be-EHT40 MCS0	3	2422		17.50		17.50	20.50				
		6	2437		17.00		17.00	20.00				
		9	2452		17.50		17.50	20.50				



<2.4GHz WLAN_Index 8>													
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Ant 16			Ant 7			Ant 16+7			
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
2.4GHz WLAN	802.11b 1Mbps	1	2412	Not Required	14.00	Not Required	Not Required	17.50	Not Required	16.31	17.00	98.64	
		6	2437		14.00			17.50		16.39	17.00		
		11	2462		14.00			17.50		16.45	17.00		
	802.11g 6Mbps	1	2412		14.00			17.50		Not Required	17.00	Not Required	
		6	2437		14.00			17.50			17.00		
		11	2462		14.00			17.50			17.00		
	802.11n-HT20 MCS0	1	2412		14.00			17.50			17.00		Not Required
		6	2437		14.00			17.50			17.00		
		11	2462		14.00			17.50			17.00		
	802.11n-HT40 MCS0	3	2422		14.00			17.50			17.00		
		6	2437		14.00			17.00			17.00		
		9	2452		14.00			17.50			17.00		
	802.11ax-HE20 MCS0	1	2412		14.00			17.50			17.00		
		6	2437		14.00			17.50			17.00		
		11	2462		14.00			17.50			17.00		
	802.11ax-HE40 MCS0	3	2422		14.00			17.50			17.00		
		6	2437		14.00			17.00			17.00		
		9	2452		14.00			17.50			17.00		
	802.11be-EHT20 MCS0	1	2412		14.00			17.50			17.00		
		6	2437		14.00			17.50			17.00		
		11	2462		14.00			17.50			17.00		
	802.11be-EHT40 MCS0	3	2422		14.00			17.50			17.00		
		6	2437		14.00			17.00			17.00		
		9	2452		14.00			17.50			17.00		



<2.4GHz WLAN_Index 9>												
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Ant 16			Ant 7			Ant 16+7		
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	Not Required	19.50	Not Required	Not Required	19.50	Not Required	21.66	22.50	98.64
		6	2437		19.00			19.00		21.38	22.00	
		11	2462		20.00			20.00		22.03	23.00	
	802.11g 6Mbps	1	2412		19.00			19.00		Not Required	22.00	Not Required
		6	2437		19.00			19.00			22.00	
		11	2462		19.50			19.50			22.50	
	802.11n-HT20 MCS0	1	2412		18.00			18.00			21.00	
		6	2437		18.00			18.00			21.00	
		11	2462		18.50			18.50			21.50	
	802.11n-HT40 MCS0	3	2422		17.50			17.50			20.50	
		6	2437		17.00			17.00			20.00	
		9	2452		17.00			17.00			20.00	
	802.11ax-HE20 MCS0	1	2412		18.00			18.00			21.00	
		6	2437		18.00			18.00			21.00	
		11	2462		18.50			18.50			21.50	
	802.11ax-HE40 MCS0	3	2422		17.50			17.50			20.50	
		6	2437		17.00			17.00			20.00	
		9	2452		17.50			17.50			20.50	
	802.11be-EHT20 MCS0	1	2412		18.00			18.00			21.00	
		6	2437		18.00			18.00			21.00	
		11	2462		18.50			18.50			21.50	
	802.11be-EHT40 MCS0	3	2422		17.50			17.50			20.50	
		6	2437		17.00			17.00			20.00	
		9	2452		17.50			17.50			20.50	



<5.2GHz WLAN_Index 1>														
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Ant 6			Ant 17			Ant 6+17				
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %		
5.2GHz WLAN	802.11a 6Mbps	36	5180	Not Required	18.50	96.48	Not Required	18.50	96.00	20.91	21.50	96.48		
		40	5200		18.50			18.50		20.75	21.50			
		44	5220		18.50			18.50		20.98	21.50			
		48	5240		18.50			18.50		20.97	21.50			
	802.11n-HT20 MCS0	36	5180		18.50	96.26		18.50	96.26	18.50	96.26	20.99	21.50	96.26
		40	5200		19.00			19.00		21.05		22.00		
		44	5220		18.50			18.50		20.95		21.50		
		48	5240		19.00			19.00		21.01		22.00		
	802.11n-HT40 MCS0	38	5190		17.50	91.65		17.50	91.65	17.50	91.65	19.83	20.50	91.65
		46	5230		19.00			19.00		21.22		22.00		
	802.11ac-VHT20 MCS0	36	5180		19.00	96.28		19.00	96.28	19.00	96.28	21.03	22.00	96.28
		40	5200		19.00			19.00		21.10		22.00		
		44	5220		18.50			18.50		20.99		21.50		
		48	5240		19.00			19.00		21.03		22.00		
	802.11ac-VHT40 MCS0	38	5190		17.50	91.68		17.50	91.68	17.50	91.68	19.86	20.50	91.68
		46	5230		19.00			19.00		21.25		22.00		
	802.11ac-VHT80 MCS0	42	5210		15.50	96.03		15.50	96.57	15.50	96.57	17.94	18.50	96.57
	802.11ax-HE20 MCS0	36	5180		19.00	95.24		19.00	95.24	19.00	95.24	21.10	22.00	95.24
		40	5200		19.00			19.00		21.17		22.00		
		44	5220		19.00			19.00		21.06		22.00		
48		5240	19.00	19.00	21.12		22.00							
802.11ax-HE40 MCS0	38	5190	17.50	90.95	17.50	90.95	17.50	90.95	19.92	20.50	90.95			
	46	5230	19.00		19.00		21.33		22.00					
802.11ax-HE80 MCS0	42	5210	15.50	96.27	15.50	96.27	15.50	96.27	17.97	18.50	96.27			
802.11be-EHT20 MCS0	36	5180	19.00	95.54	19.00	95.54	19.00	95.54	21.15	22.00	95.54			
	40	5200	19.00		19.00		21.20		22.00					
	44	5220	19.00		19.00		21.11		22.00					
	48	5240	19.00		19.00		21.15		22.00					
802.11be-EHT40 MCS0	38	5190	17.00	91.04	17.00	91.04	17.00	91.04	19.95	20.00	91.04			
	46	5230	19.00		19.00		21.38		22.00					
802.11be-EHT80 MCS0	42	5210	16.00	95.17	16.00	95.17	16.00	95.17	18.05	19.00	95.17			



<5.3GHz WLAN_Index 1>														
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Ant 6			Ant 17			Ant 6+17				
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %		
5.3GHz WLAN	802.11a 6Mbps	52	5260	Not Required	19.00	96.48	Not Required	19.00	96.00	21.23	22.00	96.48		
		56	5280		19.00			19.00		21.32	22.00			
		60	5300		19.00			19.00		20.96	22.00			
		64	5320		19.00			19.00		21.32	22.00			
	802.11n-HT20 MCS0	52	5260		18.00	96.26		18.00	96.26	18.00	20.50	21.00	96.26	
		56	5280		18.00			18.00		20.44	21.00			
		60	5300		18.00			18.00		20.43	21.00			
		64	5320		18.00			18.00		20.32	21.00			
	802.11n-HT40 MCS0	54	5270		18.50	91.65		18.50	91.65	18.50	20.66	21.50	91.65	
		62	5310		18.00			18.00		20.20	21.00			
	802.11ac-VHT20 MCS0	52	5260		18.50	96.28		18.50	96.28	18.50	20.55	21.50	96.28	
		56	5280		18.00			18.00		20.49	21.00			
		60	5300		18.00			18.00		20.47	21.00			
		64	5320		18.00			18.00		20.36	21.00			
	802.11ac-VHT40 MCS0	54	5270		18.50	91.68		18.50	91.68	18.50	20.69	21.50	91.68	
		62	5310		18.00			18.00		20.23	21.00			
	802.11ac-VHT80 MCS0	58	5290		17.00	96.03		17.00	96.57	17.00	96.57	19.44	20.00	96.57
	802.11ac-VHT160 MCS0	50	5250		14.50	92.80		14.50	92.80	14.50	92.80	16.55	17.50	92.80
	802.11ax-HE20 MCS0	52	5260		18.50	95.24		18.50	95.24	18.50	20.62	21.50	95.24	
		56	5280		18.50			18.50		20.57	21.50			
60		5300	18.50	18.50	20.54		21.50							
64		5320	18.00	18.00	20.45		21.00							
802.11ax-HE40 MCS0	54	5270	18.50	90.95	18.50	90.95	18.50	20.76	21.50	90.95				
	62	5310	18.00		18.00		20.29	21.00						
802.11ax-HE80 MCS0	58	5290	17.00	96.27	17.00	96.27	17.00	96.27	19.48	20.00	96.27			
802.11ax-HE160 MCS0	50	5250	14.50	92.31	14.50	92.31	14.50	92.31	16.61	17.50	92.31			
802.11be-EHT20 MCS0	52	5260	18.50	95.54	18.50	95.54	18.50	20.66	21.50	95.54				
	56	5280	18.50		18.50		20.62	21.50						
	60	5300	18.50		18.50		20.57	21.50						
	64	5320	18.50		18.50		20.51	21.50						
802.11be-EHT40 MCS0	54	5270	18.50	91.04	18.50	91.04	18.50	20.81	21.50	91.04				
	62	5310	18.00		18.00		20.32	21.00						
802.11be-EHT80 MCS0	58	5290	17.50	95.17	17.50	95.17	17.50	95.17	19.55	20.50	95.17			
802.11be-EHT160 MCS0	50	5250	14.50	92.21	14.50	92.21	14.50	92.21	16.65	17.50	92.21			



<5.5GHz WLAN_Index 1>												
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Ant 6			Ant 17			Ant 6+17		
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.5GHz WLAN	802.11a 6Mbps	100	5500	Not Required	18.50	96.48	Not Required	18.50	96.00	20.84	21.50	96.48
		116	5580		18.50			18.50		20.81	21.50	
		124	5620		18.50			18.50		20.85	21.50	
		132	5660		18.50			18.50		20.79	21.50	
		144	5720		18.50			18.50		20.56	21.50	
	802.11n-HT20 MCS0	100	5500		17.00	96.26		17.00	96.26	19.39	20.00	96.26
		116	5580		17.00			17.00		19.14	20.00	
		124	5620		17.00			17.00		19.12	20.00	
		132	5660		17.00			17.00		19.09	20.00	
		144	5720		17.00			17.00		19.17	20.00	
	802.11n-HT40 MCS0	102	5510		17.50	91.65		17.50	91.65	19.67	20.50	91.65
		110	5550		17.50			17.50		19.72	20.50	
		126	5630		17.00			17.00		19.39	20.00	
		134	5670		17.50			17.50		19.57	20.50	
		142	5710		17.00			17.00		19.35	20.00	
	802.11ac-VHT20 MCS0	100	5500		17.00	96.28		17.00	96.28	19.39	20.00	96.28
		116	5580		17.00			17.00		19.02	20.00	
		124	5620		17.00			17.00		19.22	20.00	
		132	5660		17.00			17.00		19.11	20.00	
		144	5720		17.00			17.00		19.20	20.00	
802.11ac-VHT40 MCS0	102	5510	17.50	91.68	17.50	91.68	19.70	20.50	91.68			
	110	5550	17.50		17.50		19.74	20.50				
	126	5630	17.00		17.00		19.40	20.00				
	134	5670	17.50		17.50		19.60	20.50				
	142	5710	17.00		17.00		19.39	20.00				
802.11ac-VHT80 MCS0	106	5530	17.50	96.03	17.50	96.57	19.11	20.50	96.57			
	122	5610	17.00		17.00		19.33	20.00				
	138	5690	17.50		17.50		19.52	20.50				
802.11ac-VHT160 MCS0	114	5570	14.50	92.80	14.50	92.80	16.50	17.50	92.80			
802.11ax-HE20 MCS0	100	5500	17.00	95.24	17.00	95.24	19.50	20.00	95.24			
	116	5580	17.00		17.00		19.26	20.00				
	124	5620	17.00		17.00		19.23	20.00				
	132	5660	17.00		17.00		19.20	20.00				
	144	5720	17.00		17.00		19.29	20.00				
802.11ax-HE40 MCS0	102	5510	17.50	90.95	17.50	90.95	19.78	20.50	90.95			
	110	5550	17.50		17.50		19.82	20.50				
	126	5630	17.00		17.00		19.47	20.00				
	134	5670	17.50		17.50		19.67	20.50				
	142	5710	17.00		17.00		19.46	20.00				
802.11ax-HE80 MCS0	106	5530	17.00	96.27	17.00	96.27	19.14	20.00	96.27			
	122	5610	17.00		17.00		19.37	20.00				
	138	5690	17.50		17.50		19.59	20.50				
802.11ax-HE160 MCS0	114	5570	14.50	92.31	14.50	92.31	16.54	17.50	92.31			
802.11be-EHT20 MCS0	100	5500	17.50	95.54	17.50	95.54	19.54	20.50	95.54			
	116	5580	17.00		17.00		19.32	20.00				
	124	5620	17.00		17.00		19.27	20.00				
	132	5660	17.00		17.00		19.23	20.00				
	144	5720	17.00		17.00		19.33	20.00				
802.11be-EHT40 MCS0	102	5510	17.50	91.04	17.50	91.04	19.82	20.50	91.04			



		110	5550		17.50			17.50		19.89	20.50	
		126	5630		17.50			19.54		20.50		
		134	5670		17.50			19.71		20.50		
		142	5710		17.50			19.52		20.50		
	802.11be-EHT80 MCS0	106	5530	17.00	95.17	17.00	95.17	17.00	19.21	20.00	95.17	
		122	5610	17.00		19.48		20.00				
		138	5690	17.50		19.68		20.50				
	802.11be-EHT160 MCS0	114	5570		14.50	92.21		14.50	92.21	16.59	17.50	92.21

<5.8GHz WLAN\_Index 1>

Mode	Channel	Frequency (MHz)	Ant 6			Ant 17			Ant 6+17			
			Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	149	5745	Not Required	20.00	96.48	Not Required	20.00	96.00	22.32	23.00	96.48	
	157	5785		20.00			22.28		23.00			
	165	5825		19.50			21.81		22.50			
802.11n-HT20 MCS0	149	5745		16.00	96.26	96.26	16.00	18.20	19.00	96.26		
	157	5785		16.00			18.26	19.00				
	165	5825		15.50			17.82	18.50				
802.11n-HT40 MCS0	151	5755		16.50	91.65	91.65	16.50	18.51	19.50	91.65		
	159	5795		16.00			18.46	19.00				
802.11ac-VHT20 MCS0	149	5745		16.00	Not Required	Not Required	16.00	96.28	18.23	19.00	96.28	
	157	5785		16.00			18.31		19.00			
802.11ac-VHT40 MCS0	151	5755		16.50			91.68	91.68	16.50	18.55	19.50	91.68
	159	5795		16.00					18.49	19.00		
802.11ac-VHT80 MCS0	155	5775		16.00			96.03	96.57	16.00	18.47	19.00	96.03
802.11ax-HE20 MCS0	149	5745		16.00			95.24	95.24	16.00	18.31	19.00	95.24
	157	5785		16.00					18.39	19.00		
	165	5825	15.50	17.94					18.50			
802.11ax-HE40 MCS0	151	5755	16.50	90.95			90.95	16.50	18.63	19.50	90.95	
	159	5795	16.50					18.57	19.50			
802.11ax-HE80 MCS0	155	5775	16.50	96.27			96.27	16.50	18.52	19.50	96.27	
802.11be-EHT20 MCS0	149	5745	16.00	95.54			95.54	16.00	18.36	19.00	95.54	
	157	5785	16.00					18.43	19.00			
	165	5825	15.50					17.97	18.50			
802.11be-EHT40 MCS0	151	5755	16.50	91.04			91.04	16.50	18.66	19.50	91.04	
	159	5795	16.50		18.64	19.50						
802.11be-EHT80 MCS0	155	5775	16.50	95.17	95.17	16.50	18.62	19.50	95.17			



<5.2GHz WLAN_Index 2>													
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Ant 6			Ant 17			Ant 6+17			
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.2GHz WLAN	802.11a 6Mbps	36	5180	Not Required	12.00	Not Required	Not Required	12.00	Not Required	Not Required	15.00	Not Required	
		40	5200		12.00			15.00					
		44	5220		12.00			15.00					
		48	5240		12.00			15.00					
	802.11n-HT20 MCS0	36	5180		12.00			15.00					
		40	5200		12.00			15.00					
		44	5220		12.00			15.00					
		48	5240		12.00			15.00					
	802.11n-HT40 MCS0	38	5190		12.00			15.00					
		46	5230		12.00			15.00					
	802.11ac-VHT20 MCS0	36	5180		12.00			15.00					
		40	5200		12.00			15.00					
		44	5220		12.00			15.00					
		48	5240		12.00			15.00					
	802.11ac-VHT40 MCS0	38	5190		12.00			15.00					
		46	5230		12.00			15.00					
	802.11ac-VHT80 MCS0	42	5210		12.00			13.95			15.00		96.57
	802.11ax-HE20 MCS0	36	5180		12.00			15.00					
		40	5200		12.00			15.00					
		44	5220		12.00			15.00					
		48	5240		12.00			15.00					
	802.11ax-HE40 MCS0	38	5190		12.00			15.00					
		46	5230		12.00			15.00					
	802.11ax-HE80 MCS0	42	5210		12.00			15.00			Not Required		Not Required
	802.11be-EHT20 MCS0	36	5180		12.00			15.00					
		40	5200		12.00			15.00					
		44	5220		12.00			15.00					
		48	5240		12.00			15.00					
802.11be-EHT40 MCS0	38	5190	12.00	15.00									
	46	5230	12.00	15.00									
802.11be-EHT80 MCS0	42	5210	12.00	15.00	Not Required	Not Required							





<5.3GHz WLAN_Index 2>												
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Ant 6			Ant 17			Ant 6+17		
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	52	5260	Not Required	12.00	Not Required	Not Required	12.00	Not Required	13.95	15.00	92.80
		56	5280		12.00			15.00				
		60	5300		12.00			15.00				
		64	5320		12.00			15.00				
	802.11n-HT20 MCS0	52	5260		12.00			15.00				
		56	5280		12.00			15.00				
		60	5300		12.00			15.00				
		64	5320		12.00			15.00				
	802.11n-HT40 MCS0	54	5270		12.00			15.00				
		62	5310		12.00			15.00				
	802.11ac-VHT20 MCS0	52	5260		12.00			15.00				
		56	5280		12.00			15.00				
		60	5300		12.00			15.00				
		64	5320		12.00			15.00				
	802.11ac-VHT40 MCS0	54	5270		12.00			15.00				
		62	5310		12.00			15.00				
	802.11ac-VHT80 MCS0	58	5290		12.00			15.00				
	802.11ac-VHT160 MCS0	50	5250		12.00			15.00				
	802.11ax-HE20 MCS0	52	5260		12.00			15.00				
		56	5280		12.00			15.00				
		60	5300		12.00			15.00				
		64	5320		12.00			15.00				
	802.11ax-HE40 MCS0	54	5270		12.00			15.00				
		62	5310		12.00			15.00				
	802.11ax-HE80 MCS0	58	5290		12.00			15.00				
	802.11ax-HE160 MCS0	50	5250		12.00			15.00				
	802.11be-EHT20 MCS0	52	5260		12.00			15.00				
		56	5280		12.00			15.00				
60		5300	12.00	15.00								
64		5320	12.00	15.00								
802.11be-EHT40 MCS0	54	5270	12.00	15.00								
	62	5310	12.00	15.00								
802.11be-EHT80 MCS0	58	5290	12.00	15.00								
802.11be-EHT160 MCS0	50	5250	12.00	15.00								



<5.5GHz WLAN_Index 2>												
Mode	Channel	Frequency (MHz)	Ant 6			Ant 17			Ant 6+17			
			Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	100	5500	Not Required	11.50	Not Required	Not Required	11.50	Not Required	Not Required	14.50	Not Required	
	116	5580		11.50			14.50					
	124	5620		11.50			14.50					
	132	5660		11.50			14.50					
	144	5720		11.50			14.50					
802.11n-HT20 MCS0	100	5500	Not Required	11.50	Not Required	Not Required	11.50	Not Required	Not Required	14.50	Not Required	
	116	5580		11.50			14.50					
	124	5620		11.50			14.50					
	132	5660		11.50			14.50					
802.11n-HT40 MCS0	102	5510	Not Required	11.50	Not Required	Not Required	11.50	Not Required	Not Required	14.50	Not Required	
	110	5550		11.50			14.50					
	126	5630		11.50			14.50					
802.11ac-VHT20 MCS0	100	5500	Not Required	11.50	Not Required	Not Required	11.50	Not Required	Not Required	14.50	Not Required	
	116	5580		11.50			14.50					
	124	5620		11.50			14.50					
802.11ac-VHT40 MCS0	102	5510	Not Required	11.50	Not Required	Not Required	11.50	Not Required	Not Required	14.50	Not Required	
	110	5550		11.50			14.50					
	126	5630		11.50			14.50					
	134	5670		11.50			14.50					
802.11ac-VHT80 MCS0	106	5530	Not Required	11.50	Not Required	Not Required	11.50	Not Required	Not Required	14.50	Not Required	
	122	5610		11.50			14.50					
	138	5690		11.50			14.50					
	142	5710		11.50			14.50					
802.11ac-VHT160 MCS0	114	5570	Not Required	11.50	Not Required	Not Required	11.50	Not Required	Not Required	13.26	14.50	92.80
802.11ax-HE20 MCS0	100	5500		11.50			14.50					
	116	5580		11.50			14.50					
	124	5620		11.50			14.50					
	132	5660	11.50	14.50								
802.11ax-HE40 MCS0	102	5510	Not Required	11.50	Not Required	Not Required	11.50	Not Required	Not Required	14.50	Not Required	
	110	5550		11.50			14.50					
	126	5630		11.50			14.50					
	134	5670		11.50			14.50					
802.11ax-HE80 MCS0	106	5530	Not Required	11.50	Not Required	Not Required	11.50	Not Required	Not Required	14.50	Not Required	
	122	5610		11.50			14.50					
	138	5690		11.50			14.50					
802.11ax-HE160 MCS0	114	5570	Not Required	11.50	Not Required	Not Required	11.50	Not Required	Not Required	14.50	Not Required	
802.11be-EHT20 MCS0	100	5500		11.50			14.50					
	116	5580		11.50			14.50					
	124	5620		11.50			14.50					
	132	5660	11.50	14.50								
802.11be-EHT40 MCS0	102	5510	Not Required	11.50	Not Required	Not Required	11.50	Not Required	Not Required	14.50	Not Required	
	144	5720		11.50			14.50					



		110	5550		11.50			11.50			14.50	
		126	5630		11.50			14.50				
		134	5670		11.50			14.50				
		142	5710		11.50			14.50				
	802.11be-EHT80 MCS0	106	5530		11.50			14.50				
		122	5610		11.50			14.50				
		138	5690		11.50			14.50				
	802.11be-EHT160 MCS0	114	5570		11.50			14.50				

<5.8GHz WLAN\_Index 2>

5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Ant 6			Ant 17			Ant 6+17												
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %										
	802.11a 6Mbps	149	5745	Not Required	11.00	Not Required	Not Required	11.00	Not Required	Not Required	14.00	Not Required										
		157	5785		11.00						14.00											
		165	5825		11.00						14.00											
	802.11n-HT20 MCS0	149	5745		11.00						14.00											
		157	5785		11.00						14.00											
		165	5825		11.00						14.00											
	802.11n-HT40 MCS0	151	5755		11.00					13.01	14.00	91.65										
		159	5795		11.00					13.02	14.00											
	802.11ac-VHT20 MCS0	149	5745		Not Required					11.00	Not Required	Not Required	11.00	Not Required	Not Required	14.00	Not Required					
		157	5785							11.00						14.00						
		165	5825							11.00						14.00						
	802.11ac-VHT40 MCS0	151	5755							11.00						14.00						
		159	5795							11.00						14.00						
	802.11ac-VHT80 MCS0	155	5775							11.00						13.07		14.00	96.03			
	802.11ax-HE20 MCS0	149	5745							Not Required					11.00	Not Required	Not Required	11.00	Not Required	Not Required	14.00	Not Required
		157	5785												11.00						14.00	
		165	5825												11.00						14.00	
	802.11ax-HE40 MCS0	151	5755												11.00						14.00	
159		5795	11.00	14.00																		
802.11ax-HE80 MCS0	155	5775	11.00	14.00		Not Required	Not Required															
802.11be-EHT20 MCS0	149	5745	Not Required	11.00		Not Required	Not Required	11.00	Not Required						Not Required					14.00	Not Required	
	157	5785		11.00																14.00		
	165	5825		11.00																14.00		
802.11be-EHT40 MCS0	151	5755		11.00																14.00		
	159	5795		11.00																14.00		
802.11be-EHT80 MCS0	155	5775		11.00																14.00		



<5.2GHz WLAN_Index 3>												
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Ant 6			Ant 17			Ant 6+17		
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	Not Required	9.00	Not Required	Not Required	9.00	Not Required	Not Required	12.00	Not Required
		40	5200		9.00			12.00				
		44	5220		9.00			12.00				
		48	5240		9.00			12.00				
	802.11n-HT20 MCS0	36	5180		9.00			12.00				
		40	5200		9.00			12.00				
		44	5220		9.00			12.00				
		48	5240		9.00			12.00				
	802.11n-HT40 MCS0	38	5190		9.00			12.00				
		46	5230		9.00			12.00				
	802.11ac-VHT20 MCS0	36	5180		9.00			12.00				
		40	5200		9.00			12.00				
		44	5220		9.00			12.00				
	802.11ac-VHT40 MCS0	38	5190		9.00			12.00				
		46	5230		9.00			12.00				
	802.11ac-VHT80 MCS0	42	5210		9.00			12.00				
	802.11ax-HE20 MCS0	36	5180		9.00			12.00				
		40	5200		9.00			12.00				
		44	5220		9.00			12.00				
		48	5240		9.00			12.00				
	802.11ax-HE40 MCS0	38	5190		9.00			12.00				
		46	5230		9.00			12.00				
	802.11ax-HE80 MCS0	42	5210		9.00			12.00				
	802.11be-EHT20 MCS0	36	5180		9.00			12.00				
		40	5200		9.00			12.00				
		44	5220		9.00			12.00				
		48	5240		9.00			12.00				
	802.11be-EHT40 MCS0	38	5190		9.00			12.00				
46		5230	9.00	12.00								
802.11be-EHT80 MCS0	42	5210	9.00	12.00								



<5.3GHz WLAN_Index 3>												
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Ant 6			Ant 17			Ant 6+17		
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	52	5260	Not Required	9.00	Not Required	Not Required	9.00	Not Required	Not Required	12.00	Not Required
		56	5280		9.00			12.00				
		60	5300		9.00			12.00				
		64	5320		9.00			12.00				
	802.11n-HT20 MCS0	52	5260		9.00			12.00				
		56	5280		9.00			12.00				
		60	5300		9.00			12.00				
		64	5320		9.00			12.00				
	802.11n-HT40 MCS0	54	5270		9.00			12.00				
		62	5310		9.00			12.00				
	802.11ac-VHT20 MCS0	52	5260		9.00			12.00				
		56	5280		9.00			12.00				
		60	5300		9.00			12.00				
	802.11ac-VHT40 MCS0	64	5320		9.00			12.00				
		54	5270		9.00			12.00				
		62	5310		9.00			12.00				
	802.11ac-VHT80 MCS0	58	5290		9.00			12.00				
	802.11ac-VHT160 MCS0	50	5250		9.00			12.00				
	802.11ax-HE20 MCS0	52	5260		9.00			12.00				
		56	5280		9.00			12.00				
		60	5300		9.00			12.00				
		64	5320		9.00			12.00				
	802.11ax-HE40 MCS0	54	5270		9.00			12.00				
		62	5310		9.00			12.00				
	802.11ax-HE80 MCS0	58	5290		9.00			12.00				
	802.11ax-HE160 MCS0	50	5250		9.00			12.00				
	802.11be-EHT20 MCS0	52	5260		9.00			12.00				
		56	5280		9.00			12.00				
60		5300	9.00	12.00								
64		5320	9.00	12.00								
802.11be-EHT40 MCS0	54	5270	9.00	12.00								
	62	5310	9.00	12.00								
802.11be-EHT80 MCS0	58	5290	9.00	12.00								
802.11be-EHT160 MCS0	50	5250	9.00	12.00								
										11.84	12.00	92.80



<5.5GHz WLAN_Index 3>															
Mode	Channel	Frequency (MHz)	Ant 6			Ant 17			Ant 6+17						
			Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %				
5.5GHz WLAN	802.11a 6Mbps	100	5500	Not Required	8.50	Not Required	Not Required	Not Required	Not Required	Not Required	11.50	Not Required			
		116	5580		8.50						11.50				
		124	5620		8.50						11.50				
		132	5660		8.50						11.50				
		144	5720		8.50						11.50				
	802.11n-HT20 MCS0	100	5500		8.50						11.50				
		116	5580		8.50						11.50				
		124	5620		8.50						11.50				
		132	5660		8.50						11.50				
		144	5720		8.50						11.50				
	802.11n-HT40 MCS0	102	5510		8.50						11.50				
		110	5550		8.50						11.50				
		126	5630		8.50						11.50				
		134	5670		8.50						11.50				
	802.11ac-VHT20 MCS0	100	5500		8.50						11.50				
		116	5580		8.50						11.50				
		124	5620		8.50						11.50				
		132	5660		8.50						11.50				
	802.11ac-VHT40 MCS0	102	5510		8.50						11.50				
		110	5550		8.50						11.50				
		126	5630		8.50						11.50				
		134	5670		8.50						11.50				
	802.11ac-VHT80 MCS0	106	5530		8.50						11.50				
		122	5610		8.50						11.50				
		138	5690		8.50						11.50				
		10.72	11.50		96.57										
	802.11ac-VHT160 MCS0	114	5570		8.50						11.50		10.84	11.50	92.80
	802.11ax-HE20 MCS0	100	5500		8.50						11.50				
		116	5580		8.50						11.50				
		124	5620		8.50						11.50				
		132	5660		8.50						11.50				
	802.11ax-HE40 MCS0	102	5510		8.50						11.50				
		110	5550		8.50						11.50				
		126	5630		8.50						11.50				
		134	5670		8.50						11.50				
	802.11ax-HE80 MCS0	106	5530		8.50						11.50				
		122	5610		8.50						11.50				
		138	5690		8.50						11.50				
	802.11ax-HE160 MCS0	114	5570		8.50						11.50		Not Required	11.50	Not Required
	802.11be-EHT20 MCS0	100	5500		8.50						11.50				
116		5580	8.50	11.50											
124		5620	8.50	11.50											
132		5660	8.50	11.50											
802.11be-EHT40 MCS0	102	5510	8.50	11.50											
	110	5550	8.50	11.50											



		110	5550		8.50			8.50			11.50	
		126	5630		8.50			11.50				
		134	5670		8.50			11.50				
		142	5710		8.50			11.50				
	802.11be-EHT80 MCS0	106	5530	8.50	8.50	11.50						
		122	5610	8.50	8.50	11.50						
		138	5690	8.50	8.50	11.50						
	802.11be-EHT160 MCS0	114	5570	8.50	8.50	11.50						

<5.8GHz WLAN\_Index 3>

5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Ant 6			Ant 17			Ant 6+17		
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	149	5745	Not Required	9.50	96.48	Not Required	9.50	Not Required	11.75	12.50	96.03
		157	5785		9.50			12.50				
		165	5825		9.50			12.50				
	802.11n-HT20 MCS0	149	5745		9.50	96.26		9.50			12.50	
		157	5785		9.50			12.50				
		165	5825		9.50			12.50				
	802.11n-HT40 MCS0	151	5755		9.50	91.65		9.50			12.50	
		159	5795		9.50			12.50				
	802.11ac-VHT20 MCS0	149	5745		9.50	96.28		9.50			12.50	
		157	5785		9.50			12.50				
	802.11ac-VHT40 MCS0	151	5755		9.50	91.68		9.50			12.50	
		159	5795		9.50			12.50				
	802.11ac-VHT80 MCS0	155	5775		9.50	96.03		9.50			12.50	
	802.11ax-HE20 MCS0	149	5745		9.50	95.24		9.50			12.50	
		157	5785		9.50			12.50				
		165	5825		9.50			12.50				
	802.11ax-HE40 MCS0	151	5755		9.50	90.95		9.50			12.50	
		159	5795		9.50			12.50				
802.11ax-HE80 MCS0	155	5775	9.50	96.27	9.50	12.50						
802.11be-EHT20 MCS0	149	5745	9.50	95.54	9.50	12.50						
	157	5785	9.50		12.50							
802.11be-EHT40 MCS0	151	5755	9.50	91.04	9.50	12.50						
	159	5795	9.50		12.50							
802.11be-EHT80 MCS0	155	5775	9.50	95.17	9.50	12.50						



<5.2GHz WLAN_Index 4>												
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Ant 6			Ant 17			Ant 6+17		
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	Not Required	18.50	Not Required	Not Required	18.50	Not Required	20.91	21.50	Not Required
		40	5200		18.50			18.50		20.75	21.50	
		44	5220		18.50			18.50		20.98	21.50	
		48	5240		18.50			18.50		20.97	21.50	
	802.11n-HT20 MCS0	36	5180		18.50			18.50		20.99	21.50	96.26
		40	5200		19.00			19.00		21.05	22.00	
		44	5220		18.50			18.50		20.95	21.50	
	802.11n-HT40 MCS0	38	5190		17.50			17.50		19.83	20.50	Not Required
		46	5230		19.00			19.00		21.22	22.00	
	802.11ac-VHT20 MCS0	36	5180		19.00			19.00		21.03	22.00	
		40	5200		19.00			19.00		21.10	22.00	
		44	5220		18.50			18.50		20.99	21.50	
	802.11ac-VHT40 MCS0	38	5190		17.50			17.50		19.86	20.50	
		46	5230		19.00			19.00		21.25	22.00	
	802.11ac-VHT80 MCS0	42	5210		15.50			15.50		17.94	18.50	
	802.11ax-HE20 MCS0	36	5180		19.00			19.00		21.10	22.00	
		40	5200		19.00			19.00		21.17	22.00	
		44	5220		19.00			19.00		21.06	22.00	
	802.11ax-HE40 MCS0	48	5240		19.00			19.00		21.12	22.00	
		38	5190		17.50			17.50		19.92	20.50	
802.11ax-HE80 MCS0	46	5230	19.00	19.00	21.33	22.00						
	42	5210	15.50	15.50	17.97	18.50						
802.11be-EHT20 MCS0	36	5180	19.00	19.00	21.15	22.00						
	40	5200	19.00	19.00	21.20	22.00						
	44	5220	19.00	19.00	21.11	22.00						
802.11be-EHT40 MCS0	48	5240	19.00	19.00	21.15	22.00						
	38	5190	17.00	17.00	19.95	20.00						
802.11be-EHT80 MCS0	46	5230	19.00	19.00	21.38	22.00						
	42	5210	16.00	16.00	18.05	19.00						





<5.8GHz WLAN_Index 4>																																																											
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Ant 6			Ant 17			Ant 6+17																																																	
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %																																															
	802.11a 6Mbps	149	5745	Not Required	20.00	Not Required	Not Required	20.00	Not Required	22.32	23.00	96.48																																															
		157	5785		20.00			20.00		22.28	23.00																																																
		165	5825		19.50			19.50		21.81	22.50																																																
	802.11n-HT20 MCS0	149	5745		16.00			16.00		Not Required	Not Required	Not Required	Not Required	Not Required	19.00	Not Required																																											
		157	5785		16.00			16.00							19.00																																												
		165	5825		15.50			15.50							18.50																																												
	802.11n-HT40 MCS0	151	5755		16.50			16.50							Not Required		Not Required	Not Required	Not Required	Not Required	19.50	Not Required																																					
		159	5795		16.00			16.00													19.00																																						
	802.11ac-VHT20 MCS0	149	5745		16.00			16.00													Not Required		Not Required	Not Required	Not Required	Not Required	19.00	Not Required																															
		157	5785		16.00			16.00																			19.00																																
	802.11ac-VHT40 MCS0	151	5755		16.50			16.50																			Not Required		Not Required	Not Required	Not Required	Not Required	18.50	Not Required																									
		159	5795		16.00			16.00																									19.00																										
	802.11ac-VHT80 MCS0	155	5775		16.00			16.00																									Not Required		Not Required	Not Required	Not Required	Not Required	19.00	Not Required																			
	802.11ax-HE20 MCS0	149	5745		16.00			16.00																															Not Required		Not Required	Not Required	Not Required	Not Required	19.00	Not Required													
		157	5785		16.00			16.00																																					19.00														
		165	5825		15.50			15.50																																					18.50														
	802.11ax-HE40 MCS0	151	5755		16.50			16.50																																					Not Required		Not Required	Not Required	Not Required	Not Required	19.50	Not Required							
		159	5795		16.50			16.50																																											19.50								
	802.11ax-HE80 MCS0	155	5775		16.50			16.50																																											Not Required		Not Required	Not Required	Not Required	Not Required	19.50	Not Required	
		149	5745		16.00			16.00																																																	19.00		
802.11be-EHT20 MCS0	157	5785	16.00	16.00	Not Required	Not Required	Not Required	Not Required	Not Required																																																19.00		Not Required
	165	5825	15.50	15.50																																																					18.50		
	151	5755	16.50	16.50																																																					19.50		
802.11be-EHT40 MCS0	159	5795	16.50	16.50						Not Required	Not Required	Not Required	Not Required	Not Required		19.50																																									Not Required		
	155	5775	16.50	16.50												19.50																																											
802.11be-EHT80 MCS0	149	5745	16.00	16.00												Not Required																																											
	157	5785	16.00	16.00											19.00																																												
802.11be-EHT80 MCS0	165	5825	15.50	15.50											Not Required		Not Required	Not Required	Not Required	Not Required		18.50																																					
	151	5755	16.50	16.50																	19.50																																						
802.11be-EHT80 MCS0	159	5795	16.50	16.50																	Not Required	Not Required	Not Required	Not Required	Not Required	19.50		Not Required																															
	155	5775	16.50	16.50																						19.50																																	



<5.2GHz WLAN_Index 5>												
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Ant 6			Ant 17			Ant 6+17		
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	Not Required	18.50	Not Required	Not Required	18.50	Not Required	20.91	21.50	Not Required
		40	5200		18.50			18.50		20.75	21.50	
		44	5220		18.50			18.50		20.98	21.50	
		48	5240		18.50			18.50		20.97	21.50	
	802.11n-HT20 MCS0	36	5180		18.50			18.50		20.99	21.50	96.26
		40	5200		19.00			19.00		21.05	22.00	
		44	5220		18.50			18.50		20.95	21.50	
	802.11n-HT40 MCS0	38	5190		17.50			17.50		19.83	20.50	Not Required
		46	5230		19.00			19.00		21.22	22.00	
	802.11ac-VHT20 MCS0	36	5180		19.00			19.00		21.03	22.00	
		40	5200		19.00			19.00		21.10	22.00	
		44	5220		18.50			18.50		20.99	21.50	
	802.11ac-VHT40 MCS0	38	5190		17.50			17.50		19.86	20.50	
		46	5230		19.00			19.00		21.25	22.00	
	802.11ac-VHT80 MCS0	42	5210		15.50			15.50		17.94	18.50	
	802.11ax-HE20 MCS0	36	5180		19.00			19.00		21.10	22.00	
		40	5200		19.00			19.00		21.17	22.00	
		44	5220		19.00			19.00		21.06	22.00	
	802.11ax-HE40 MCS0	38	5190		17.50			17.50		19.92	20.50	
		46	5230		19.00			19.00		21.33	22.00	
	802.11ax-HE80 MCS0	42	5210		15.50			15.50		17.97	18.50	
	802.11be-EHT20 MCS0	36	5180		19.00			19.00		21.15	22.00	
		40	5200		19.00			19.00		21.20	22.00	
		44	5220		19.00			19.00		21.11	22.00	
802.11be-EHT40 MCS0	38	5190	17.00	17.00	19.95	20.00						
	46	5230	19.00	19.00	21.38	22.00						
802.11be-EHT80 MCS0	42	5210	16.00	16.00	18.05	19.00						



<5.8GHz WLAN_Index 5>													
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Ant 6			Ant 17			Ant 6+17			
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.8GHz WLAN	802.11a 6Mbps	149	5745	Not Required	19.50	Not Required	Not Required	19.50	Not Required	22.32	22.50	96.48	
		157	5785		19.50			19.50		22.28	22.50		
		165	5825		19.50			19.50		21.81	22.50		
	802.11n-HT20 MCS0	149	5745		16.00			16.00		Not Required	19.00		
		157	5785		16.00			16.00			19.00		
		165	5825		15.50			15.50			18.50		
	802.11n-HT40 MCS0	151	5755		16.50			16.50			19.50		
		159	5795		16.00			16.00			19.00		
	802.11ac-VHT20 MCS0	149	5745		16.00			16.00			19.00		
		157	5785		16.00			16.00			19.00		
	802.11ac-VHT40 MCS0	151	5755		16.50			16.50			18.50		
		159	5795		16.00			16.00			19.00		
	802.11ac-VHT80 MCS0	155	5775		16.00			16.00			19.00		
	802.11ax-HE20 MCS0	149	5745		16.00			16.00			Not Required	19.00	
		157	5785		16.00			16.00				19.00	
		165	5825		15.50			15.50				18.50	
	802.11ax-HE40 MCS0	151	5755		16.50			16.50				19.50	
		159	5795		16.50			16.50				19.50	
	802.11ax-HE80 MCS0	155	5775		16.50			16.50				19.50	
	802.11be-EHT20 MCS0	149	5745		16.00			16.00				Not Required	19.00
		157	5785		16.00			16.00					19.00
165		5825	15.50	15.50	18.50								
802.11be-EHT40 MCS0	151	5755	16.50	16.50	19.50								
	159	5795	16.50	16.50	19.50								
802.11be-EHT80 MCS0	155	5775	16.50	16.50	19.50								



<5.2GHz WLAN_Index 6>												
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Ant 6			Ant 17			Ant 6+17		
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	Not Required	18.50	Not Required	Not Required	18.50	Not Required	Not Required	21.50	Not Required
		40	5200		18.50			18.50			21.50	
		44	5220		18.50			18.50			21.50	
		48	5240		18.50			18.50			21.50	
	802.11n-HT20 MCS0	36	5180		18.50			18.50			21.50	
		40	5200		19.00			19.00			22.00	
		44	5220		18.50			18.50			21.50	
	802.11n-HT40 MCS0	38	5190		17.50			17.50			20.50	
		46	5230		19.00			19.00			22.00	
	802.11ac-VHT20 MCS0	36	5180		19.00			19.00			22.00	
		40	5200		19.00			19.00			22.00	
		44	5220		18.50			18.50			21.50	
	802.11ac-VHT40 MCS0	38	5190		17.50			17.50			20.50	
		46	5230		19.00			19.00			22.00	
	802.11ac-VHT80 MCS0	42	5210		15.50			15.50			18.50	
	802.11ax-HE20 MCS0	36	5180		19.00			19.00			22.00	
		40	5200		19.00			19.00			22.00	
		44	5220		19.00			19.00			22.00	
	802.11ax-HE40 MCS0	38	5190		17.50			17.50			20.50	
		46	5230		19.00			19.00			22.00	
	802.11ax-HE80 MCS0	42	5210		15.50			15.50			18.50	
	802.11be-EHT20 MCS0	36	5180		19.00			19.00			22.00	
		40	5200		19.00			19.00			22.00	
		44	5220		19.00			19.00			22.00	
	802.11be-EHT40 MCS0	38	5190		17.00			17.00			20.00	
		46	5230		19.00			19.00			22.00	
	802.11be-EHT80 MCS0	42	5210		16.00			16.00			19.00	



<5.3GHz WLAN_Index 6>												
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Ant 6			Ant 17			Ant 6+17		
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	52	5260	Not Required	19.00	Not Required	Not Required	19.00	Not Required	20.93	22.00	96.48
		56	5280		19.00			19.00		20.92	22.00	
		60	5300		19.00			19.00		20.96	22.00	
		64	5320		19.00			19.00		20.92	22.00	
	802.11n-HT20 MCS0	52	5260		18.00			18.00		21.00	Not Required	
		56	5280		18.00			18.00		21.00		
		60	5300		18.00			18.00		21.00		
		64	5320		18.00			18.00		21.00		
	802.11n-HT40 MCS0	54	5270		18.50			18.50		21.50		
		62	5310		18.00			18.00		21.00		
	802.11ac-VHT20 MCS0	52	5260		18.50			18.50		21.50		
		56	5280		18.00			18.00		21.00		
		60	5300		18.00			18.00		21.00		
	802.11ac-VHT40 MCS0	64	5320		18.00			18.00		21.00		
		54	5270		18.50			18.50		21.50		
		62	5310		18.00			18.00		21.00		
	802.11ac-VHT80 MCS0	58	5290		17.00			17.00		20.00		
	802.11ac-VHT160 MCS0	50	5250		14.50			14.50		17.50		
	802.11ax-HE20 MCS0	52	5260		18.50			18.50		21.50		Not Required
		56	5280		18.50			18.50		21.50		
		60	5300		18.50			18.50		21.50		
		64	5320		18.00			18.00		21.00		
	802.11ax-HE40 MCS0	54	5270		18.50			18.50		21.50		
		62	5310		18.00			18.00		21.00		
	802.11ax-HE80 MCS0	58	5290		17.00			17.00		20.00		
	802.11ax-HE160 MCS0	50	5250		14.50			14.50		17.50		
	802.11be-EHT20 MCS0	52	5260		18.50			18.50		21.50		
		56	5280		18.50			18.50		21.50		
60		5300	18.50	18.50	21.50							
64		5320	18.50	18.50	21.50							
802.11be-EHT40 MCS0	54	5270	18.50	18.50	21.50							
	62	5310	18.00	18.00	21.00							
802.11be-EHT80 MCS0	58	5290	17.50	17.50	20.50							
802.11be-EHT160 MCS0	50	5250	14.50	14.50	17.50							



<5.5GHz WLAN_Index 6>												
Mode	Channel	Frequency (MHz)	Ant 6			Ant 17			Ant 6+17			
			Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	100	5500	Not Required	18.50	Not Required	Not Required	18.50	Not Required	20.84	21.50	96.48	
	116	5580		18.50			18.50		20.81	21.50		
	124	5620		18.50			18.50		20.85	21.50		
	132	5660		18.50			18.50		20.79	21.50		
	144	5720		18.50			18.50		20.56	21.50		
802.11n-HT20 MCS0	100	5500	Not Required	17.00	Not Required	Not Required	17.00	Not Required	20.00	Not Required		
	116	5580		17.00			17.00		20.00		20.00	
	124	5620		17.00			17.00		20.00		20.00	
	132	5660		17.00			17.00		20.00		20.00	
	144	5720		17.00			17.00		20.00		20.00	
802.11n-HT40 MCS0	102	5510	Not Required	17.50	Not Required	Not Required	17.50	Not Required	20.50	Not Required		
	110	5550		17.50			17.50		20.50		20.50	
	126	5630		17.00			17.00		20.00		20.00	
	134	5670		17.50			17.50		20.50		20.50	
802.11ac-VHT20 MCS0	102	5510	Not Required	17.50	Not Required	Not Required	17.50	Not Required	20.50	Not Required		
	110	5550		17.50			17.50		20.50		20.50	
	126	5630		17.00			17.00		20.00		20.00	
	134	5670		17.50			17.50		20.50		20.50	
802.11ac-VHT40 MCS0	102	5510	Not Required	17.50	Not Required	Not Required	17.50	Not Required	20.50	Not Required		
	110	5550		17.50			17.50		20.50		20.50	
	126	5630		17.00			17.00		20.00		20.00	
	134	5670		17.50			17.50		20.50		20.50	
802.11ac-VHT80 MCS0	102	5510	Not Required	17.50	Not Required	Not Required	17.50	Not Required	20.50	Not Required		
	110	5550		17.50			17.50		20.50		20.50	
	126	5630		17.00			17.00		20.00		20.00	
	134	5670		17.50			17.50		20.50		20.50	
802.11ac-VHT160 MCS0	106	5530	Not Required	17.50	Not Required	Not Required	17.50	Not Required	20.50	Not Required		
	122	5610		17.00			17.00		20.00		20.00	
	138	5690		17.50			17.50		20.50		20.50	
802.11ax-HE20 MCS0	102	5510	Not Required	17.50	Not Required	Not Required	17.50	Not Required	20.50	Not Required		
	110	5550		17.50			17.50		20.50		20.50	
	126	5630		17.00			17.00		20.00		20.00	
	132	5660		17.00			17.00		20.00		20.00	
	144	5720		17.00			17.00		20.00		20.00	
802.11ax-HE40 MCS0	102	5510	Not Required	17.50	Not Required	Not Required	17.50	Not Required	20.50	Not Required		
	110	5550		17.50			17.50		20.50		20.50	
	126	5630		17.00			17.00		20.00		20.00	
	134	5670		17.50			17.50		20.50		20.50	
802.11ax-HE80 MCS0	102	5510	Not Required	17.50	Not Required	Not Required	17.50	Not Required	20.50	Not Required		
	110	5550		17.50			17.50		20.50		20.50	
	126	5630		17.00			17.00		20.00		20.00	
802.11ax-HE160 MCS0	106	5530	Not Required	17.50	Not Required	Not Required	17.50	Not Required	20.50	Not Required		
	122	5610		17.00			17.00		20.00		20.00	
	138	5690		17.50			17.50		20.50		20.50	
802.11be-EHT20 MCS0	102	5510	Not Required	17.50	Not Required	Not Required	17.50	Not Required	20.50	Not Required		
	116	5580		17.00			17.00		20.00		20.00	
	124	5620		17.00			17.00		20.00		20.00	
	132	5660		17.00			17.00		20.00		20.00	
	144	5720		17.00			17.00		20.00		20.00	
802.11be-EHT40 MCS0	102	5510	Not Required	17.50	Not Required	Not Required	17.50	Not Required	20.50	Not Required		



		110	5550		17.50			17.50			20.50	
		126	5630		17.50			20.50				
		134	5670		17.50			20.50				
		142	5710		17.50			20.50				
	802.11be-EHT80 MCS0	106	5530		17.50			17.50			20.50	
		122	5610		17.00			17.00			20.00	
		138	5690		17.50			17.50			20.50	
	802.11be-EHT160 MCS0	114	5570		17.00			17.00			20.00	

<5.8GHz WLAN\_Index 6>

5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Ant 6			Ant 17			Ant 6+17		
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps		149	5745	Not Required	20.00	Not Required	Not Required	20.00	Not Required	22.32	23.00	96.48
		157	5785		20.00			22.28		23.00		
		165	5825		19.50			21.81		22.50		
802.11n-HT20 MCS0		149	5745	Not Required	16.00	Not Required	Not Required	16.00	Not Required	Not Required	19.00	Not Required
		157	5785		16.00			19.00				
		165	5825		15.50			18.50				
802.11n-HT40 MCS0		151	5755		16.50			19.50				
		159	5795		16.00			19.00				
802.11ac-VHT20 MCS0		149	5745		16.00			19.00				
		157	5785		16.00			19.00				
802.11ac-VHT40 MCS0		165	5825		15.50			18.50				
		151	5755		16.50			19.50				
802.11ac-VHT80 MCS0		159	5795		16.00			19.00				
		155	5775		16.00			19.00				
802.11ax-HE20 MCS0		149	5745		16.00			19.00				
		157	5785		16.00			19.00				
		165	5825		15.50			18.50				
802.11ax-HE40 MCS0		151	5755		16.50			19.50				
		159	5795	16.50	19.50							
802.11ax-HE80 MCS0		155	5775	16.50	19.50							
802.11be-EHT20 MCS0		149	5745	16.00	19.00							
		157	5785	16.00	19.00							
		165	5825	15.50	18.50							
802.11be-EHT40 MCS0		151	5755	16.50	19.50							
		159	5795	16.50	19.50							
802.11be-EHT80 MCS0		155	5775	16.50	19.50							



<5.2GHz WLAN_Index 7>												
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Ant 6			Ant 17			Ant 6+17		
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	Not Required	18.50	Not Required	Not Required	18.50	Not Required	Not Required	21.50	Not Required
		40	5200		18.50			18.50			21.50	
		44	5220		18.50			18.50			21.50	
		48	5240		18.50			18.50			21.50	
	802.11n-HT20 MCS0	36	5180		18.50			18.50			21.50	
		40	5200		19.00			19.00			22.00	
		44	5220		18.50			18.50			21.50	
	802.11n-HT40 MCS0	38	5190		17.50			17.50			20.50	
		46	5230		19.00			19.00			22.00	
	802.11ac-VHT20 MCS0	36	5180		19.00			19.00			22.00	
		40	5200		19.00			19.00			22.00	
		44	5220		18.50			18.50			21.50	
	802.11ac-VHT40 MCS0	38	5190		17.50			17.50			20.50	
		46	5230		19.00			19.00			22.00	
	802.11ac-VHT80 MCS0	42	5210		15.50			15.50			18.50	
	802.11ax-HE20 MCS0	36	5180		19.00			19.00			22.00	
		40	5200		19.00			19.00			22.00	
		44	5220		19.00			19.00			22.00	
		48	5240		19.00			19.00			22.00	
	802.11ax-HE40 MCS0	38	5190		17.50			17.50			20.50	
		46	5230		19.00			19.00			22.00	
	802.11ax-HE80 MCS0	42	5210		15.50			15.50			18.50	
	802.11be-EHT20 MCS0	36	5180		19.00			19.00			22.00	
		40	5200		19.00			19.00			22.00	
		44	5220		19.00			19.00			22.00	
		48	5240		19.00			19.00			22.00	
	802.11be-EHT40 MCS0	38	5190		17.00			17.00			20.00	
		46	5230		19.00			19.00			22.00	
802.11be-EHT80 MCS0	42	5210	16.00	16.00	19.00							





<5.3GHz WLAN_Index 7>																												
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Ant 6			Ant 17			Ant 6+17																		
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %																
5.3GHz WLAN	802.11a 6Mbps	52	5260	Not Required	19.00	Not Required	Not Required	19.00	Not Required	20.93	22.00	96.48																
		56	5280		19.00			19.00		20.92	22.00																	
		60	5300		19.00			19.00		20.96	22.00																	
		64	5320		19.00			19.00		20.92	22.00																	
	802.11n-HT20 MCS0	52	5260		18.00			18.00		Not Required	Not Required	Not Required	Not Required	Not Required	21.00	Not Required												
		56	5280		18.00			18.00							21.00													
		60	5300		18.00			18.00							21.00													
		64	5320		18.00			18.00							21.00													
	802.11n-HT40 MCS0	54	5270		18.50			18.50							21.50													
		62	5310		18.00			18.00							21.00													
	802.11ac-VHT20 MCS0	52	5260		18.50			18.50							21.50													
		56	5280		18.00			18.00							21.00													
		60	5300		18.00			18.00							21.00													
	802.11ac-VHT40 MCS0	54	5270		18.50			18.50							21.50													
		62	5310		18.00			18.00							21.00													
		58	5290		17.00			17.00							20.00													
	802.11ac-VHT80 MCS0	58	5290		17.00			17.00							20.00													
	802.11ac-VHT160 MCS0	50	5250		14.50			14.50							17.50													
	802.11ax-HE20 MCS0	52	5260		18.50			18.50							Not Required		Not Required	Not Required	Not Required	Not Required	21.50	Not Required						
		56	5280		18.50			18.50													21.50							
		60	5300		18.50			18.50													21.50							
		64	5320		18.00			18.00													21.00							
	802.11ax-HE40 MCS0	54	5270		18.50			18.50													21.50							
		62	5310		18.00			18.00													21.00							
	802.11ax-HE80 MCS0	58	5290		17.00			17.00													20.00							
	802.11ax-HE160 MCS0	50	5250		14.50			14.50													17.50							
	802.11be-EHT20 MCS0	52	5260		18.50			18.50													Not Required		Not Required	Not Required	Not Required	Not Required	21.50	Not Required
		56	5280		18.50			18.50																			21.50	
60		5300	18.50	18.50	21.50																							
64		5320	18.50	18.50	21.50																							
802.11be-EHT40 MCS0	54	5270	18.50	18.50	21.50																							
	62	5310	18.00	18.00	21.00																							
802.11be-EHT80 MCS0	58	5290	17.50	17.50	20.50																							
802.11be-EHT160 MCS0	50	5250	14.50	14.50	17.50																							



<5.5GHz WLAN_Index 7>												
Mode	Channel	Frequency (MHz)	Ant 6			Ant 17			Ant 6+17			
			Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	100	5500	Not Required	18.50	Not Required	Not Required	18.50	Not Required	20.84	21.50	96.48	
	116	5580		18.50			18.50		20.81	21.50		
	124	5620		18.50			18.50		20.85	21.50		
	132	5660		18.50			18.50		20.79	21.50		
	144	5720		18.50			18.50		20.56	21.50		
802.11n-HT20 MCS0	100	5500	Not Required	17.00	Not Required	Not Required	17.00	Not Required	20.00	Not Required		
	116	5580		17.00			17.00		20.00		20.00	
	124	5620		17.00			17.00		20.00		20.00	
	132	5660		17.00			17.00		20.00		20.00	
	144	5720		17.00			17.00		20.00		20.00	
802.11n-HT40 MCS0	102	5510	Not Required	17.50	Not Required	Not Required	17.50	Not Required	20.50	Not Required		
	110	5550		17.50			17.00		20.50		20.00	
	126	5630		17.00			17.50		20.00		20.50	
	134	5670		17.50			17.00		20.50		20.00	
802.11ac-VHT20 MCS0	100	5500	Not Required	17.00	Not Required	Not Required	17.00	Not Required	20.00	Not Required		
	116	5580		17.00			17.00		20.00		20.00	
	124	5620		17.00			17.00		20.00		20.00	
	132	5660		17.00			17.00		20.00		20.00	
802.11ac-VHT40 MCS0	102	5510	Not Required	17.50	Not Required	Not Required	17.50	Not Required	20.50	Not Required		
	110	5550		17.50			17.00		20.50		20.00	
	126	5630		17.00			17.50		20.00		20.50	
	134	5670		17.50			17.00		20.50		20.00	
802.11ac-VHT80 MCS0	106	5530	Not Required	17.50	Not Required	Not Required	17.50	Not Required	20.50	Not Required		
	122	5610		17.00			17.50		20.00		20.50	
	138	5690		17.50			17.50		20.50		20.50	
	144	5720		17.00			17.50		20.00		20.50	
802.11ac-VHT160 MCS0	114	5570	Not Required	14.50	Not Required	Not Required	14.50	Not Required	17.50	Not Required		
	100	5500		17.00			17.00		20.00		20.00	
	116	5580		17.00			17.00		20.00		20.00	
	124	5620		17.00			17.00		20.00		20.00	
802.11ax-HE20 MCS0	102	5510	Not Required	17.50	Not Required	Not Required	17.50	Not Required	20.50	Not Required		
	110	5550		17.50			17.00		20.50		20.00	
	126	5630		17.00			17.50		20.00		20.50	
	134	5670		17.50			17.00		20.50		20.00	
802.11ax-HE40 MCS0	102	5510	Not Required	17.50	Not Required	Not Required	17.50	Not Required	20.50	Not Required		
	110	5550		17.50			17.00		20.50		20.00	
	126	5630		17.00			17.50		20.00		20.50	
	134	5670		17.50			17.00		20.50		20.00	
802.11ax-HE80 MCS0	106	5530	Not Required	17.00	Not Required	Not Required	17.00	Not Required	20.00	Not Required		
	122	5610		17.00			17.50		20.00		20.50	
	138	5690		17.50			17.50		20.50		20.50	
	144	5720		17.00			17.50		20.00		20.50	
802.11ax-HE160 MCS0	114	5570	Not Required	14.50	Not Required	Not Required	14.50	Not Required	17.50	Not Required		
	100	5500		17.50			17.50		20.50		20.50	
	116	5580		17.00			17.00		20.00		20.00	
	124	5620		17.00			17.00		20.00		20.00	
802.11be-EHT20 MCS0	102	5510	Not Required	17.50	Not Required	Not Required	17.50	Not Required	20.50	Not Required		
	116	5580		17.00			17.00		20.00		20.00	
	124	5620		17.00			17.00		20.00		20.00	
	132	5660		17.00			17.00		20.00		20.00	
802.11be-EHT40 MCS0	102	5510	Not Required	17.50	Not Required	Not Required	17.50	Not Required	20.50	Not Required		
	116	5580		17.00			17.00		20.00		20.00	
	124	5620		17.00			17.00		20.00		20.00	
	132	5660		17.00			17.00		20.00		20.00	



		110	5550		17.50			17.50			20.50	
		126	5630		17.50			20.50				
		134	5670		17.50			20.50				
		142	5710		17.50			20.50				
	802.11be-EHT80 MCS0	106	5530		17.00			20.00				
		122	5610		17.00			20.00				
		138	5690		17.50			20.50				
	802.11be-EHT160 MCS0	114	5570		14.50			17.50				

<5.8GHz WLAN\_Index 7>

Mode	Channel	Frequency (MHz)	Ant 6			Ant 17			Ant 6+17		
			Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %
802.11a 6Mbps	149	5745	Not Required	19.50	96.48	Not Required	19.50	Not Required	22.32	22.50	96.48
	157	5785		19.50			22.28		22.50		
	165	5825		19.50			21.81		22.50		
802.11n-HT20 MCS0	149	5745	Not Required	16.00	96.26	Not Required	16.00	Not Required	19.00	19.00	Not Required
	157	5785		16.00			19.00		19.00		
	165	5825		15.50			18.50		18.50		
802.11n-HT40 MCS0	151	5755	Not Required	16.50	91.65	Not Required	16.50	Not Required	16.50	19.50	Not Required
	159	5795		16.00			19.00		19.00		
802.11ac-VHT20 MCS0	149	5745	Not Required	16.00	96.28	Not Required	16.00	Not Required	16.00	19.00	Not Required
	157	5785		16.00			19.00		19.00		
802.11ac-VHT40 MCS0	165	5825	Not Required	15.50	91.68	Not Required	15.50	Not Required	15.50	18.50	Not Required
	151	5755		16.50			19.50		19.50		
802.11ac-VHT80 MCS0	159	5795	Not Required	16.00	96.03	Not Required	16.00	Not Required	16.00	19.00	Not Required
	155	5775		16.00			19.00		19.00		
802.11ax-HE20 MCS0	149	5745	Not Required	16.00	95.24	Not Required	16.00	Not Required	16.00	19.00	Not Required
	157	5785		16.00			19.00		19.00		
	165	5825		15.50			18.50		18.50		
802.11ax-HE40 MCS0	151	5755	Not Required	16.50	90.95	Not Required	16.50	Not Required	16.50	19.50	Not Required
	159	5795		16.50			19.50		19.50		
802.11ax-HE80 MCS0	155	5775	Not Required	16.50	96.27	Not Required	16.50	Not Required	16.50	19.50	Not Required
	149	5745		16.00			19.00		19.00		
802.11be-EHT20 MCS0	157	5785	Not Required	16.00	95.54	Not Required	16.00	Not Required	16.00	19.00	Not Required
	165	5825		15.50			18.50		18.50		
	151	5755		16.50			19.50		19.50		
802.11be-EHT40 MCS0	159	5795	Not Required	16.50	91.04	Not Required	16.50	Not Required	16.50	19.50	Not Required
	155	5775		16.50			19.50		19.50		
802.11be-EHT80 MCS0	155	5775	Not Required	16.50	95.17	Not Required	16.50	Not Required	16.50	19.50	Not Required



<5.2GHz WLAN_Index 8>												
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Ant 6			Ant 17			Ant 6+17		
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	Not Required	16.50	Not Required	Not Required	16.50	Not Required	Not Required	19.50	Not Required
		40	5200		16.50			16.50			19.50	
		44	5220		16.50			16.50			19.50	
		48	5240		16.50			16.50			19.50	
	802.11n-HT20 MCS0	36	5180		16.50			16.50			19.50	
		40	5200		16.50			16.50			19.50	
		44	5220		16.50			16.50			19.50	
		48	5240		16.50			16.50			19.50	
	802.11n-HT40 MCS0	38	5190		16.50			16.50			19.50	
		46	5230		16.50			16.50			19.50	
	802.11ac-VHT20 MCS0	36	5180		16.50			16.50			19.50	
		40	5200		16.50			16.50			19.50	
		44	5220		16.50			16.50			19.50	
	802.11ac-VHT40 MCS0	38	5190		16.50			16.50			19.50	
		46	5230		16.50			16.50			19.50	
	802.11ac-VHT80 MCS0	42	5210		15.50			15.50			18.50	
	802.11ax-HE20 MCS0	36	5180		16.50			16.50			19.50	
		40	5200		16.50			16.50			19.50	
		44	5220		16.50			16.50			19.50	
		48	5240		16.50			16.50			19.50	
	802.11ax-HE40 MCS0	38	5190		16.50			16.50			19.50	
		46	5230		16.50			16.50			19.50	
	802.11ax-HE80 MCS0	42	5210		15.50			15.50			18.50	
	802.11be-EHT20 MCS0	36	5180		16.50			16.50			19.50	
		40	5200		16.50			16.50			19.50	
		44	5220		16.50			16.50			19.50	
		48	5240		16.50			16.50			19.50	
	802.11be-EHT40 MCS0	38	5190		16.50			16.50			19.50	
46		5230	16.50	16.50	19.50							
802.11be-EHT80 MCS0	42	5210	16.00	16.00	19.00							



<5.3GHz WLAN_Index 8>														
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Ant 6			Ant 17			Ant 6+17				
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %		
5.3GHz WLAN	802.11a 6Mbps	52	5260	Not Required	16.50	Not Required	Not Required	16.50	Not Required	Not Required	19.50	Not Required		
		56	5280		16.50			19.50						
		60	5300		16.50			19.50						
		64	5320		16.50			19.50						
	802.11n-HT20 MCS0	52	5260		16.50			16.50			19.50			
		56	5280		16.50			16.50			19.50			
		60	5300		16.50			16.50			19.50			
		64	5320		16.50			16.50			19.50			
	802.11n-HT40 MCS0	54	5270		16.50			16.50			18.75		19.50	91.65
		62	5310		16.50			16.50			18.81		19.50	
	802.11ac-VHT20 MCS0	52	5260		16.50			16.50			Not Required		19.50	Not Required
		56	5280		16.50			16.50						
		60	5300		16.50			16.50						
		64	5320		16.50			16.50						
	802.11ac-VHT40 MCS0	54	5270		16.50			16.50		19.50				
		62	5310		16.50			16.50		19.50				
	802.11ac-VHT80 MCS0	58	5290		16.50			16.50		18.94		19.50	96.54	
	802.11ac-VHT160 MCS0	50	5250		14.50			14.50		Not Required		17.50	Not Required	
	802.11ax-HE20 MCS0	52	5260		16.50			16.50						
		56	5280		16.50			16.50						
		60	5300		16.50			16.50						
		64	5320		16.50			16.50						
	802.11ax-HE40 MCS0	54	5270		16.50			16.50						
		62	5310		16.50			16.50						
	802.11ax-HE80 MCS0	58	5290		16.50			16.50						
	802.11ax-HE160 MCS0	50	5250		14.50			14.50						
	802.11be-EHT20 MCS0	52	5260		16.50			16.50						
		56	5280		16.50			16.50						
60		5300	16.50	16.50										
64		5320	16.50	16.50										
802.11be-EHT40 MCS0	54	5270	16.50	16.50										
	62	5310	16.50	16.50										
802.11be-EHT80 MCS0	58	5290	16.50	16.50										
802.11be-EHT160 MCS0	50	5250	14.50	14.50										



<5.5GHz WLAN_Index 8>												
Mode	Channel	Frequency (MHz)	Ant 6			Ant 17			Ant 6+17			
			Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.5GHz WLAN	802.11a 6Mbps	100	5500	Not Required	17.50	Not Required	Not Required	17.50	Not Required	Not Required	20.50	Not Require
		116	5580		17.50			17.50			20.50	
		124	5620		17.50			17.50			20.50	
		132	5660		17.50			17.50			20.50	
		144	5720		17.50			17.50			20.50	
	802.11n-HT20 MCS0	100	5500		17.00			17.00			20.00	
		116	5580		17.00			17.00			20.00	
		124	5620		17.00			17.00			20.00	
		132	5660		17.00			17.00			20.00	
		144	5720		17.00			17.00			20.00	
	802.11n-HT40 MCS0	102	5510		17.50			17.50			20.50	
		110	5550		17.50			17.50			20.50	
		126	5630		17.00			17.00			20.00	
		134	5670		17.50			17.50			20.50	
	802.11ac-VHT20 MCS0	102	5510		17.50			17.50			20.50	
		110	5550		17.50			17.50			20.50	
		126	5630		17.00			17.00			20.00	
		134	5670		17.50			17.50			20.50	
	802.11ac-VHT40 MCS0	102	5510		17.50			17.50			20.50	
		110	5550		17.50			17.50			20.50	
		126	5630		17.00			17.00			20.00	
		142	5710		17.00			17.00			20.00	
	802.11ac-VHT80 MCS0	106	5530		17.50			17.50			20.50	
		122	5610		17.00			17.00			20.00	
		138	5690		17.50			17.50			20.50	
	802.11ac-VHT160 MCS0	114	5570		14.50			14.50			17.50	
	802.11ax-HE20 MCS0	100	5500		17.00			17.00			20.00	
		116	5580		17.00			17.00			20.00	
		124	5620		17.00			17.00			20.00	
		132	5660		17.00			17.00			20.00	
		144	5720		17.00			17.00			20.00	
	802.11ax-HE40 MCS0	102	5510		17.50			17.50			20.50	
		110	5550		17.50			17.50			20.50	
		126	5630		17.00			17.00			20.00	
		134	5670		17.50			17.50			20.50	
	802.11ax-HE80 MCS0	102	5510		17.50			17.50			20.50	
		110	5550		17.50			17.50			20.50	
		126	5630		17.00			17.00			20.00	
		134	5670		17.50			17.50			20.50	
	802.11ax-HE160 MCS0	106	5530		17.00			17.00			20.00	
122		5610	17.00	17.00	20.00							
138		5690	17.50	17.50	20.50							
802.11ax-HE160 MCS0	114	5570	14.50	14.50	17.50							
802.11be-EHT20 MCS0	100	5500	17.50	17.50	20.50							
	116	5580	17.00	17.00	20.00							
	124	5620	17.00	17.00	20.00							
	132	5660	17.00	17.00	20.00							
	144	5720	17.00	17.00	20.00							
802.11be-EHT40 MCS0	102	5510	17.50	17.50	20.50							



		110	5550		17.50			17.50			20.50	
		126	5630		17.50			20.50				
		134	5670		17.50			20.50				
		142	5710		17.50			20.50				
	802.11be-EHT80 MCS0	106	5530		17.00			20.00				
		122	5610		17.00			20.00				
		138	5690		17.50			20.50				
	802.11be-EHT160 MCS0	114	5570		14.50			17.50				

<5.8GHz WLAN\_Index 8>

Mode	Channel	Frequency (MHz)	Ant 6			Ant 17			Ant 6+17			
			Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
5.8GHz WLAN	802.11a 6Mbps	149	Not Required	16.00	Not Required	Not Required	Not Required	16.00	Not Required	Not Require	19.00	Not Require
		157		16.00							19.00	
		165		16.00							19.00	
	802.11n-HT20 MCS0	149		16.00				19.00				
		157		16.00				19.00				
		165		16.00				19.00				
	802.11n-HT40 MCS0	151		16.00				18.33		19.00	91.65	
		159		16.00				18.24		19.00		
	802.11ac-VHT20 MCS0	149		16.00				Not Require		19.00	Not Require	
		157		16.00						19.00		
		165		16.00						19.00		
	802.11ac-VHT40 MCS0	151		16.00				19.00				
		159		16.00				19.00				
	802.11ac-VHT80 MCS0	155		16.00				18.47		19.00	96.03	
	802.11ax-HE20 MCS0	149		16.00				Not Require		19.00	Not Require	
		157		16.00						19.00		
		165		16.00						19.00		
	802.11ax-HE40 MCS0	151		16.00				19.00				
		159		16.00				19.00				
	802.11ax-HE80 MCS0	155		16.00				19.00		19.00		
802.11be-EHT20 MCS0	149	16.00	Not Require	19.00	Not Require							
	157	16.00		19.00								
	165	16.00		19.00								
802.11be-EHT40 MCS0	151	16.00	19.00									
	159	16.00	19.00									
802.11be-EHT80 MCS0	155	16.00	19.00									



<5.2GHz WLAN_Index 9>												
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Ant 6			Ant 17			Ant 6+17		
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	Not Required	18.50	Not Required	Not Required	18.50	Not Required	Not Required	21.50	Not Required
		40	5200		18.50			18.50			21.50	
		44	5220		18.50			18.50			21.50	
		48	5240		18.50			18.50			21.50	
	802.11n-HT20 MCS0	36	5180		18.50			18.50			21.50	
		40	5200		19.00			19.00			22.00	
		44	5220		18.50			18.50			21.50	
	802.11n-HT40 MCS0	38	5190		17.50			17.50			20.50	
		46	5230		19.00			19.00			22.00	
	802.11ac-VHT20 MCS0	36	5180		19.00			19.00			22.00	
		40	5200		19.00			19.00			22.00	
		44	5220		18.50			18.50			21.50	
	802.11ac-VHT40 MCS0	38	5190		17.50			17.50			20.50	
		46	5230		19.00			19.00			22.00	
	802.11ac-VHT80 MCS0	42	5210		15.50			15.50			18.50	
	802.11ax-HE20 MCS0	36	5180		19.00			19.00			22.00	
		40	5200		19.00			19.00			22.00	
		44	5220		19.00			19.00			22.00	
	802.11ax-HE40 MCS0	48	5240		19.00			19.00			22.00	
		38	5190		17.50			17.50			20.50	
	802.11ax-HE80 MCS0	46	5230		19.00			19.00			22.00	
		42	5210		15.50			15.50			18.50	
	802.11be-EHT20 MCS0	36	5180		19.00			19.00			22.00	
		40	5200		19.00			19.00			22.00	
		44	5220		19.00			19.00			22.00	
	802.11be-EHT40 MCS0	48	5240		19.00			19.00			22.00	
		38	5190		17.00			17.00			20.00	
	802.11be-EHT80 MCS0	46	5230		19.00			19.00			22.00	
42		5210	16.00	16.00	19.00							





<5.3GHz WLAN_Index 9>																																																																	
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Ant 6			Ant 17			Ant 6+17																																																							
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %																																																					
5.3GHz WLAN	802.11a 6Mbps	52	5260	Not Required	19.00	Not Required	Not Required	19.00	Not Required	21.23	22.00	96.48																																																					
		56	5280		19.00			19.00		21.21	22.00																																																						
		60	5300		19.00			19.00		20.96	22.00																																																						
		64	5320		19.00			19.00		21.15	22.00																																																						
	802.11n-HT20 MCS0	52	5260		18.00			18.00		Not Required	Not Required	Not Required	Not Required	21.00	Not Required																																																		
		56	5280		18.00			18.00						21.00																																																			
		60	5300		18.00			18.00						21.00																																																			
		64	5320		18.00			18.00						21.00																																																			
	802.11n-HT40 MCS0	54	5270		18.50			18.50						Not Required		Not Required	Not Required	Not Required	21.50	Not Required																																													
		62	5310		18.00			18.00											21.00																																														
	802.11ac-VHT20 MCS0	52	5260		18.50			18.50											Not Required		Not Required	Not Required	Not Required	21.50	Not Required																																								
		56	5280		18.00			18.00																21.00																																									
		60	5300		18.00			18.00																21.00																																									
	802.11ac-VHT40 MCS0	54	5270		18.50			18.50																Not Required		Not Required	Not Required	Not Required	21.50	Not Required																																			
		62	5310		18.00			18.00																					21.00																																				
		58	5290		17.00			17.00																					20.00																																				
	802.11ac-VHT160 MCS0	50	5250		14.50			14.50																					Not Required		Not Required	Not Required	Not Required	17.50	Not Required																														
	802.11ax-HE20 MCS0	52	5260		18.50			18.50																										Not Required		Not Required	Not Required	Not Required	21.50	Not Required																									
		56	5280		18.50			18.50																															21.50																										
		60	5300		18.50			18.50																															21.50																										
		64	5320		18.00			18.00																															21.00																										
	802.11ax-HE40 MCS0	54	5270		18.50			18.50																															Not Required		Not Required	Not Required	Not Required	21.50	Not Required																				
		62	5310		18.00			18.00																																				21.00																					
	802.11ax-HE80 MCS0	58	5290		17.00			17.00																																				Not Required		Not Required	Not Required	Not Required	20.00	Not Required															
	802.11ax-HE160 MCS0	50	5250		14.50			14.50																																									Not Required		Not Required	Not Required	Not Required	17.50	Not Required										
	802.11be-EHT20 MCS0	52	5260		18.50			18.50																																														Not Required		Not Required	Not Required	Not Required	21.50	Not Required					
		56	5280		18.50			18.50																																																			21.50						
		60	5300		18.50			18.50																																																			21.50						
64		5320	18.50	18.50	21.50																																																												
802.11be-EHT40 MCS0	54	5270	18.50	18.50	Not Required	Not Required	Not Required	Not Required	21.50																																																		Not Required						
	62	5310	18.00	18.00					21.00																																																								
802.11be-EHT80 MCS0	58	5290	17.50	17.50					Not Required																																																				Not Required	Not Required	Not Required	20.50	Not Required
802.11be-EHT160 MCS0	50	5250	14.50	14.50						Not Required	Not Required	Not Required	Not Required		17.50																																																	Not Required	



<5.5GHz WLAN_Index 9>												
Mode	Channel	Frequency (MHz)	Ant 6			Ant 17			Ant 6+17			
			Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	100	5500	Not Required	18.50	Not Required	Not Required	18.50	Not Required	20.84	21.50	96.48	
	116	5580		18.50			18.50		20.81	21.50		
	124	5620		18.50			18.50		20.85	21.50		
	132	5660		18.50			18.50		20.79	21.50		
	144	5720		18.50			18.50		20.56	21.50		
802.11n-HT20 MCS0	100	5500	Not Required	17.00	Not Required	Not Required	17.00	Not Required	20.00	20.00	Not Required	
	116	5580		17.00			17.00		20.00			20.00
	124	5620		17.00			17.00		20.00			20.00
	132	5660		17.00			17.00		20.00			20.00
	144	5720		17.00			17.00		20.00			20.00
802.11n-HT40 MCS0	102	5510	Not Required	17.50	Not Required	Not Required	17.50	Not Required	20.50	20.00	Not Required	
	110	5550		17.50			17.00		20.50			20.00
	126	5630		17.00			17.50		20.00			20.50
	134	5670		17.50			17.00		20.50			20.00
802.11ac-VHT20 MCS0	100	5500	Not Required	17.00	Not Required	Not Required	17.00	Not Required	20.00	20.00	Not Required	
	116	5580		17.00			17.00		20.00			20.00
	124	5620		17.00			17.00		20.00			20.00
	132	5660		17.00			17.00		20.00			20.00
802.11ac-VHT40 MCS0	102	5510	Not Required	17.50	Not Required	Not Required	17.50	Not Required	20.50	20.00	Not Required	
	110	5550		17.50			17.00		20.50			20.00
	126	5630		17.00			17.50		20.00			20.50
	134	5670		17.50			17.00		20.50			20.00
802.11ac-VHT80 MCS0	106	5530	Not Required	17.50	Not Required	Not Required	17.50	Not Required	20.50	20.00	Not Required	
	122	5610		17.00			17.50		20.00			20.50
	138	5690		17.50			17.00		20.50			20.00
	144	5720		17.00			17.00		20.00			20.00
802.11ac-VHT160 MCS0	114	5570	Not Required	17.00	Not Required	Not Required	17.00	Not Required	20.00	20.00	Not Required	
	100	5500		17.00			17.00		20.00			20.00
	116	5580		17.00			17.00		20.00			20.00
	124	5620		17.00			17.00		20.00			20.00
802.11ax-HE20 MCS0	102	5510	Not Required	17.50	Not Required	Not Required	17.50	Not Required	20.50	20.00	Not Required	
	110	5550		17.50			17.00		20.50			20.00
	126	5630		17.00			17.50		20.00			20.50
	134	5670		17.50			17.00		20.50			20.00
802.11ax-HE40 MCS0	102	5510	Not Required	17.50	Not Required	Not Required	17.50	Not Required	20.50	20.00	Not Required	
	110	5550		17.50			17.00		20.50			20.00
	126	5630		17.00			17.50		20.00			20.50
	134	5670		17.50			17.00		20.50			20.00
802.11ax-HE80 MCS0	106	5530	Not Required	17.50	Not Required	Not Required	17.50	Not Required	20.50	20.00	Not Required	
	122	5610		17.00			17.50		20.00			20.50
	138	5690		17.50			17.00		20.50			20.00
	144	5720		17.00			17.00		20.00			20.00
802.11ax-HE160 MCS0	114	5570	Not Required	17.00	Not Required	Not Required	17.00	Not Required	20.00	20.00	Not Required	
	100	5500		17.50			17.50		20.50			20.00
	116	5580		17.00			17.00		20.00			20.00
	124	5620		17.00			17.00		20.00			20.00
802.11be-EHT20 MCS0	102	5510	Not Required	17.50	Not Required	Not Required	17.50	Not Required	20.50	20.00	Not Required	
	110	5550		17.50			17.00		20.50			20.00
	126	5630		17.00			17.50		20.00			20.50
	132	5660		17.00			17.00		20.00			20.00
802.11be-EHT40 MCS0	102	5510	Not Required	17.50	Not Required	Not Required	17.50	Not Required	20.50	20.00	Not Required	
	110	5550		17.50			17.00		20.50			20.00
	126	5630		17.00			17.50		20.00			20.50
	132	5660		17.00			17.00		20.00			20.00



		110	5550		17.50			17.50			20.50	
		126	5630		17.50			20.50				
		134	5670		17.50			20.50				
		142	5710		17.50			20.50				
	802.11be-EHT80 MCS0	106	5530		17.50			17.50			20.50	
		122	5610		17.00			17.00			20.00	
		138	5690		17.50			17.50			20.50	
	802.11be-EHT160 MCS0	114	5570		17.00			17.00			20.00	

<5.8GHz WLAN\_Index 9>

	Mode	Channel	Frequency (MHz)	Ant 6			Ant 17			Average power (dBm)	Tune-Up Limit	Duty Cycle %
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %			
5.8GHz WLAN	802.11a 6Mbps	149	5745	Not Required	16.00	Not Required	Not Required	Not Required	Not Required	22.32	19.00	96.48
		157	5785		16.00					22.28	19.00	
		165	5825		16.00					21.81	19.00	
	802.11n-HT20 MCS0	149	5745		16.00					19.00	Not Required	
		157	5785		16.00					19.00		
		165	5825		16.00					19.00		
	802.11n-HT40 MCS0	151	5755		16.00					19.00		
		159	5795		16.00					19.00		
	802.11ac-VHT20 MCS0	149	5745		16.00					19.00		
		157	5785		16.00					19.00		
	802.11ac-VHT40 MCS0	165	5825		16.00					19.00		
		151	5755		16.00					19.00		
	802.11ac-VHT80 MCS0	159	5795		16.00					19.00		
		155	5775		16.00					19.00		
	802.11ax-HE20 MCS0	149	5745		16.00					19.00		Not Required
		157	5785		16.00					19.00		
		165	5825		16.00					19.00		
	802.11ax-HE40 MCS0	151	5755		16.00					19.00		
		159	5795		16.00					19.00		
	802.11ax-HE80 MCS0	155	5775		16.00					19.00		
		149	5745		16.00					19.00		
	802.11be-EHT20 MCS0	157	5785		16.00					19.00		
		165	5825		16.00					19.00		
	802.11be-EHT40 MCS0	151	5755		16.00					19.00		
		159	5795		16.00					19.00		
	802.11be-EHT80 MCS0	155	5775		16.00					19.00		



<WiFi 6E_Index 1>													
Mode	Channel	Frequency (MHz)	Ant 6			Ant 17			Ant 6+17				
			Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %		
WiFi 6E	802.11a 6Mbps	1	5955	Not Required	19.00	96.30	Not Required	19.00	96.29	21.49	22.00	96.30	
		57	6235		19.00			19.00		21.22	22.00		
		113	6515		19.00			19.00		21.14	22.00		
		173	6815		19.00			19.00		21.23	22.00		
		229	7095		19.00			19.00		21.10	22.00		
	802.11ax-HE20 MCS0	1	5955		18.00	95.53		18.00	95.53	18.00	20.44	21.00	95.53
		57	6235		18.00			18.00		20.30	21.00		
		113	6515		18.00			18.00		20.32	21.00		
		173	6815		18.00			18.00		20.10	21.00		
		229	7095		18.00			18.00		20.21	21.00		
	802.11ax-HE40 MCS0	3	5965		17.50	90.89		17.50	90.89	17.50	19.74	20.50	90.89
		59	6245		17.00			17.00		19.20	20.00		
		107	6485		17.00			17.00		19.38	20.00		
		171	6805		17.00			17.00		19.20	20.00		
		227	7085		17.50			17.50		19.57	20.50		
	802.11ax-HE80 MCS0	7	5985		16.50	95.82		16.50	95.82	16.50	18.62	19.50	95.82
		71	6305		16.50			16.50		18.66	19.50		
		119	6545		16.50			16.50		18.53	19.50		
		167	6785		16.50			16.50		18.50	19.50		
		215	7025		16.00			16.00		18.15	19.00		
	802.11ax-HE160 MCS0	15	6025		15.00	92.21		15.00	92.21	15.00	17.38	18.00	92.21
		47	6185		15.00			15.00		17.19	18.00		
		111	6505		15.00			15.00		17.25	18.00		
		143	6665		15.00			15.00		17.19	18.00		
		207	6985		14.50			14.50		16.88	17.50		
	802.11be-EHT20 MCS0	1	5955		18.00	95.26		18.00	95.26	18.00	20.50	21.00	95.26
		57	6235		18.00			18.00		20.52	21.00		
		113	6515		18.00			18.00		20.37	21.00		
		173	6815		18.00			18.00		20.55	21.00		
		229	7095		18.00			18.00		20.28	21.00		
	802.11be-EHT40 MCS0	3	5965		17.50	90.80		17.50	90.80	17.50	19.80	20.50	90.80
		59	6245		17.00			17.00		19.20	20.00		
		107	6485		17.00			17.00		19.42	20.00		
		171	6805		17.00			17.00		19.50	20.00		
		227	7085		17.00			17.00		19.65	20.00		
	802.11be-EHT80 MCS0	7	5985		16.50	95.17		16.50	95.17	16.50	18.67	19.50	95.17
		71	6305		16.50			16.50		18.55	19.50		
		119	6545		16.50			16.50		18.59	19.50		
		167	6785		16.00			16.00		18.43	19.00		
		215	7025		16.00			16.00		18.20	19.00		
802.11be-EHT160 MCS0	15	6025	15.00	92.21	15.00	92.21	15.00	17.40	18.00	92.21			
	47	6185	15.00		15.00		17.23	18.00					
	111	6505	15.00		15.00		17.31	18.00					
	143	6665	15.00		15.00		17.23	18.00					
	207	6985	14.50		14.50		16.95	17.50					
802.11be-EHT320 MCS0	31	6105	14.50	86.83	14.50	86.83	14.50	16.94	17.50	86.83			
	63	6265	15.00		15.00		17.11	18.00					
	95	6425	15.00		15.00		17.14	18.00					
	127	6585	15.00		15.00		17.04	18.00					



		159	6745		14.50			14.50		16.96	17.50	
		191	6905		14.50			14.50		16.67	17.50	

<WiFi 6E_Index 2>												
Mode	Channel	Frequency (MHz)	Ant 6			Ant 17			Ant 6+17			
			Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
WiFi 6E	802.11a 6Mbps	1	5955		10.00			10.00			13.00	
		57	6235		10.00			10.00			13.00	
		113	6515		11.00			11.00			14.00	
		173	6815		11.00			11.00			14.00	
		229	7095		11.00			11.00			14.00	
	802.11ax-HE20 MCS0	1	5955		10.00			10.00			13.00	
		57	6235		10.00			10.00			13.00	
		113	6515		11.00			11.00			14.00	
		173	6815		11.00			11.00			14.00	
		229	7095		11.00			11.00			14.00	
	802.11ax-HE40 MCS0	3	5965		10.00			10.00			13.00	
		59	6245		10.00			10.00			13.00	
		107	6485		11.00			11.00			14.00	
		171	6805		11.00			11.00			14.00	
	802.11ax-HE80 MCS0	7	5985		10.00			10.00			13.00	
		71	6305		10.00			10.00			13.00	
		119	6545		11.00			11.00			14.00	
		167	6785		11.00			11.00			14.00	
	802.11ax-HE160 MCS0	15	6025		10.00			10.00			13.00	
		47	6185		10.00			10.00			13.00	
		111	6505	Not Required	11.00	Not Required	Not Required	11.00	Not Required	Not Required	14.00	Not Required
		143	6665		11.00			11.00			14.00	
	802.11ax-HE160 MCS0	207	6985		11.00			11.00			14.00	
		1	5955		10.00			10.00			13.00	
		57	6235		10.00			10.00			13.00	
		113	6515		11.00			11.00			14.00	
	802.11be-EHT20 MCS0	173	6815		11.00			11.00			14.00	
		229	7095		11.00			11.00			14.00	
		3	5965		10.00			10.00			13.00	
		59	6245		10.00			10.00			13.00	
	802.11be-EHT40 MCS0	107	6485		11.00			11.00			14.00	
		171	6805		11.00			11.00			14.00	
		227	7085		11.00			11.00			14.00	
		7	5985		10.00			10.00			13.00	
	802.11be-EHT80 MCS0	71	6305		10.00			10.00			13.00	
		119	6545		11.00			11.00			14.00	
		167	6785		11.00			11.00			14.00	
		215	7025		11.00			11.00			14.00	
	802.11be-EHT160 MCS0	15	6025		10.00			10.00			13.00	
		47	6185		10.00			10.00			13.00	
		111	6505		11.00			11.00			14.00	
		143	6665		11.00			11.00			14.00	
	802.11be-EHT160 MCS0	207	6985		11.00			11.00			14.00	
		31	6105		10.00			10.00			12.49	86.83



		63	6265		10.00			10.00		12.04	13.00	
		95	6425		10.00			10.00		12.15	13.00	
		127	6585		11.00			11.00		13.11	14.00	
		159	6745		11.00			11.00		13.04	14.00	
		191	6905		11.00			11.00		13.05	14.00	

<WiFi 6E_Index 3>													
	Mode	Channel	Frequency (MHz)	Ant 6			Ant 17			Ant 6+17			
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
WiFi 6E	802.11a 6Mbps	1	5955	Not Required	10.00	96.30	Not Required	10.00	Not Required	Not Required	13.00	Not Required	
		57	6235		10.00			10.00			13.00		
		113	6515		11.00			11.00			14.00		
		173	6815		11.00			11.00			14.00		
		229	7095		11.00			11.00			14.00		
	802.11ax-HE20 MCS0	1	5955		10.00	95.53		10.00			10.00		13.00
		57	6235		10.00			10.00			13.00		
		113	6515		11.00			11.00			14.00		
		173	6815		11.00			11.00			14.00		
		229	7095		11.00			11.00			14.00		
	802.11ax-HE40 MCS0	3	5965		10.00	90.89		10.00			10.00		13.00
		59	6245		10.00			10.00			13.00		
		107	6485		11.00			11.00			14.00		
		171	6805		11.00			11.00			14.00		
	802.11ax-HE80 MCS0	7	5985		10.00	95.82		10.00			10.00		13.00
		71	6305		10.00			10.00			13.00		
		119	6545		11.00			11.00			14.00		
		167	6785		11.00			11.00			14.00		
	802.11ax-HE160 MCS0	15	6025		10.00	92.21		10.00			10.00		13.00
		47	6185		10.00			10.00			13.00		
		111	6505		11.00			11.00			14.00		
		143	6665		11.00			11.00			14.00		
	802.11be-EHT20 MCS0	1	5955		10.00	95.26		10.00			10.00		13.00
		57	6235		10.00			10.00			13.00		
		113	6515		11.00			11.00			14.00		
		173	6815		11.00			11.00			14.00		
	802.11be-EHT40 MCS0	3	5965		10.00	90.80		10.00			10.00		13.00
		59	6245		10.00			10.00			13.00		
		107	6485		11.00			11.00			14.00		
		171	6805		11.00			11.00			14.00		
	802.11be-EHT80 MCS0	7	5985		10.00	95.17		10.00			10.00		13.00
		71	6305		10.00			10.00			13.00		
		119	6545		11.00			11.00			14.00		
		167	6785		11.00			11.00			14.00		
	802.11be-EHT160 MCS0	15	6025		10.00	92.21		10.00			10.00		13.00
		47	6185		10.00			10.00			13.00		
		111	6505		11.00			11.00			14.00		



802.11be-EHT320 MCS0	143	6665	86.83	11.00	86.83	11.00	86.83	14.00	86.83
	207	6985		11.00		14.00			
	31	6105		10.00		12.49		13.00	
	63	6265		10.00		12.04		13.00	
	95	6425		10.00		12.15		13.00	
	127	6585		11.00		13.11		14.00	
	159	6745		11.00		13.04		14.00	
	191	6905		11.00		13.05		14.00	

<WiFi 6E_Index 6>												
Mode	Channel	Frequency (MHz)	Ant 6			Ant 17			Ant 6+17			
			Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
802.11a 6Mbps	1	5955	Not Required	10.00	Not Required	Not Required	10.00	Not Required	Not Required	13.00	Not Required	
	57	6235		10.00			13.00					
	113	6515		11.00			14.00					
	173	6815		11.00			14.00					
	229	7095		11.00			14.00					
	802.11ax-HE20 MCS0	1		5955			10.00			13.00		
		57		6235			10.00			13.00		
		113		6515			11.00			14.00		
		229		7095			11.00			14.00		
	802.11ax-HE40 MCS0	3		5965			10.00			13.00		
		59		6245			10.00			13.00		
		107		6485			11.00			14.00		
171		6805	11.00	14.00								
802.11ax-HE80 MCS0	7	5985	10.00	13.00								
	71	6305	10.00	13.00								
	119	6545	11.00	14.00								
	167	6785	11.00	14.00								
802.11ax-HE160 MCS0	215	7025	11.00	14.00								
	15	6025	10.00	13.00								
	47	6185	10.00	13.00								
	111	6505	11.00	14.00								
	143	6665	11.00	14.00								
802.11be-EHT20 MCS0	207	6985	11.00	14.00								
	1	5955	10.00	13.00								
	57	6235	10.00	13.00								
	113	6515	11.00	14.00								
	173	6815	11.00	14.00								
802.11be-EHT40 MCS0	229	7095	11.00	14.00								
	3	5965	10.00	13.00								
	59	6245	10.00	13.00								
	107	6485	11.00	14.00								
	171	6805	11.00	14.00								
802.11be-EHT80 MCS0	227	7085	11.00	14.00								
	7	5985	10.00	13.00								
	71	6305	10.00	13.00								
	119	6545	11.00	14.00								
	167	6785	11.00	14.00								
	215	7025	11.00	14.00								



802.11be-EHT160 MCS0	15	6025		10.00			10.00			13.00	86.83		
	47	6185		10.00			10.00			13.00			
	111	6505		11.00			11.00			14.00			
	143	6665		11.00			11.00			14.00			
	207	6985		11.00			11.00			14.00			
	802.11be-EHT320 MCS0	31		6105			10.00			10.00		12.49	13.00
		63		6265			10.00			10.00		12.04	13.00
		95		6425			10.00			10.00		12.15	13.00
		127		6585			11.00			11.00		13.11	14.00
		159		6745			11.00			11.00		13.04	14.00
191		6905	11.00	11.00	13.05	14.00							

<WiFi 6E\_Index 7>

Mode	Channel	Frequency (MHz)	Ant 6			Ant 17			Ant 6+17				
			Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %		
WiFi 6E	802.11a 6Mbps	1	5955	Not Required	10.00	Not Required	Not Required	Not Required	Not Required	Not Required	13.00	Not Required	
		57	6235		10.00						13.00		
		113	6515		11.00						14.00		
		173	6815		11.00						14.00		
		229	7095		11.00						14.00		
	802.11ax-HE20 MCS0	1	5955		10.00						10.00		13.00
		57	6235		10.00						10.00		13.00
		113	6515		11.00						11.00		14.00
		173	6815		11.00						11.00		14.00
	802.11ax-HE40 MCS0	3	5965		10.00						10.00		13.00
		59	6245		10.00						10.00		13.00
		107	6485		11.00						11.00		14.00
		171	6805		11.00						11.00		14.00
	802.11ax-HE80 MCS0	7	5985		10.00						10.00		13.00
		71	6305		10.00						10.00		13.00
		119	6545		11.00						11.00		14.00
		215	7025		11.00						11.00		14.00
	802.11ax-HE160 MCS0	15	6025		10.00						10.00		13.00
		47	6185		10.00						10.00		13.00
		111	6505		11.00						11.00		14.00
143		6665	11.00	11.00	14.00								
207		6985	11.00	11.00	14.00								
802.11be-EHT20 MCS0	1	5955	10.00	10.00	13.00								
	57	6235	10.00	10.00	13.00								
	113	6515	11.00	11.00	14.00								
	173	6815	11.00	11.00	14.00								
802.11be-EHT40 MCS0	3	5965	10.00	10.00	13.00								
	59	6245	10.00	10.00	13.00								
	107	6485	11.00	11.00	14.00								
	171	6805	11.00	11.00	14.00								
802.11be-EHT80 MCS0	7	5985	10.00	10.00	13.00								
	71	6305	10.00	10.00	13.00								
	119	6545	11.00	11.00	14.00								





		167	6785		11.00			11.00			14.00		
		215	7025		11.00			14.00					
	802.11be-EHT160 MCS0	15	6025		10.00			10.00			13.00		
		47	6185		10.00			10.00			13.00		
		111	6505		11.00			11.00			14.00		
		143	6665		11.00			11.00			14.00		
		207	6985		11.00			11.00			14.00		
		31	6105		10.00			10.00			12.49		13.00
	802.11be-EHT320 MCS0	63	6265		10.00			10.00			12.04		13.00
		95	6425		10.00			10.00			12.15		13.00
		127	6585		11.00			11.00			13.11		14.00
		159	6745		11.00			11.00			13.04		14.00
		191	6905		11.00			11.00			13.05		14.00



<2.4GHz Bluetooth>

<Bluetooth\_Index 1>

	Mode	Channel	Frequency (MHz)	Ant 16			Ant 7		
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %
Bluetooth	BR / EDR 1Mbps	0	2402	14.95	16.50	76.83	15.10	16.50	76.74
		39	2441	15.02	16.50		15.00	16.50	
		78	2480	15.25	16.50		15.18	16.50	
	BR / EDR 2Mbps	0	2402	12.34	14.00	76.83	12.46	14.00	76.74
		39	2441	12.53	14.00		12.20	14.00	
		78	2480	12.48	14.00		12.26	14.00	
	BR / EDR 3Mbps	0	2402	12.34	14.00	76.83	12.42	14.00	76.74
		39	2441	12.54	14.00		12.20	14.00	
		78	2480	12.50	14.00		12.23	14.00	
	LE 1Mbps	0	2402	6.83	8.50	76.83	6.72	8.50	76.74
		19	2440	7.36	8.50		6.76	8.50	
		39	2480	7.38	8.50		6.66	8.50	
	LE 2Mbps	0	2402	7.19	8.50	76.83	6.77	8.50	76.74
		19	2440	7.11	8.50		6.81	8.50	
		39	2480	7.40	8.50		6.74	8.50	

**General Note:**

1. For 2.4GHz Bluetooth Ant 16 SAR testing was selected 1Mbps due to its highest average power and duty cycle is 76.83% considered in SAR testing, and the duty cycle would be scaled to theoretical 83.3% in reported SAR calculation.
2. For 2.4GHz Bluetooth Ant 7 SAR testing was selected 1Mbps due to its highest average power and duty cycle is 76.74% considered in SAR testing, and the duty cycle would be scaled to theoretical 83.3% in reported SAR calculation.



<Bluetooth\_Index 2>

Bluetooth	Mode	Channel	Frequency (MHz)	Ant 16			Ant 7		
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %
Bluetooth	BR / EDR 1Mbps	0	2402	7.73	8.50	76.83	7.77	8.50	76.74
		39	2441	7.79	8.50		7.86	8.50	
		78	2480	7.99	8.50		7.93	8.50	
	BR / EDR 2Mbps	0	2402	7.74	8.50	76.83	7.70	8.50	76.74
		39	2441	7.73	8.50		7.68	8.50	
		78	2480	7.74	8.50		7.65	8.50	
	BR / EDR 3Mbps	0	2402	7.71	8.50	76.83	7.72	8.50	76.74
		39	2441	7.76	8.50		7.63	8.50	
		78	2480	7.79	8.50		7.68	8.50	
LE 1Mbps	0	2402	6.83	8.50	76.83	6.72	8.50	76.74	
	19	2440	7.36	8.50		6.76	8.50		
	39	2480	7.38	8.50		6.66	8.50		
LE 2Mbps	0	2402	7.19	8.50	76.83	6.77	8.50	76.74	
	19	2440	7.11	8.50		6.81	8.50		
	39	2480	7.40	8.50		6.74	8.50		

**General Note:**

1. For 2.4GHz Bluetooth Ant 16 SAR testing was selected 1Mbps due to its highest average power and duty cycle is 76.83% considered in SAR testing, and the duty cycle would be scaled to theoretical 83.3% in reported SAR calculation.
2. For 2.4GHz Bluetooth Ant 7 SAR testing was selected 1Mbps due to its highest average power and duty cycle is 76.74% considered in SAR testing, and the duty cycle would be scaled to theoretical 83.3% in reported SAR calculation.



<Bluetooth\_Index 3>

	Mode	Channel	Frequency (MHz)	Ant 16			Ant 7		
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %
Bluetooth	BR / EDR 1Mbps	0	2402	7.73	8.50	76.83	7.77	8.50	76.74
		39	2441	7.79	8.50		7.86	8.50	
		78	2480	7.99	8.50		7.93	8.50	
	BR / EDR 2Mbps	0	2402	7.74	8.50	76.83	7.70	8.50	76.74
		39	2441	7.73	8.50		7.68	8.50	
		78	2480	7.74	8.50		7.65	8.50	
	BR / EDR 3Mbps	0	2402	7.71	8.50	76.83	7.72	8.50	76.74
		39	2441	7.76	8.50		7.63	8.50	
		78	2480	7.79	8.50		7.68	8.50	
	LE 1Mbps	0	2402	6.83	8.50	76.83	6.72	8.50	76.74
		19	2440	7.36	8.50		6.76	8.50	
		39	2480	7.38	8.50		6.66	8.50	
LE 2Mbps	0	2402	7.19	8.50	76.83	6.77	8.50	76.74	
	19	2440	7.11	8.50		6.81	8.50		
	39	2480	7.40	8.50		6.74	8.50		

**General Note:**

1. For 2.4GHz Bluetooth Ant 16 SAR testing was selected 1Mbps due to its highest average power and duty cycle is 76.83% considered in SAR testing, and the duty cycle would be scaled to theoretical 83.3% in reported SAR calculation.
2. For 2.4GHz Bluetooth Ant 7 SAR testing was selected 1Mbps due to its highest average power and duty cycle is 76.74% considered in SAR testing, and the duty cycle would be scaled to theoretical 83.3% in reported SAR calculation.



<Bluetooth\_Index 4>

Bluetooth	Mode	Channel	Frequency (MHz)	Ant 16			Ant 7		
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %
Bluetooth	BR / EDR 1Mbps	0	2402	14.95	16.50	76.83	15.10	16.50	76.74
		39	2441	15.02	16.50		15.00	16.50	
		78	2480	15.25	16.50		15.18	16.50	
	BR / EDR 2Mbps	0	2402	12.34	14.00	76.83	12.46	14.00	76.74
		39	2441	12.53	14.00		12.20	14.00	
		78	2480	12.48	14.00		12.26	14.00	
	BR / EDR 3Mbps	0	2402	12.34	14.00	76.83	12.42	14.00	76.74
		39	2441	12.54	14.00		12.20	14.00	
		78	2480	12.50	14.00		12.23	14.00	
LE 1Mbps	0	2402	6.83	8.50	76.83	6.72	8.50	76.74	
	19	2440	7.36	8.50		6.76	8.50		
	39	2480	7.38	8.50		6.66	8.50		
LE 2Mbps	0	2402	7.19	8.50	76.83	6.77	8.50	76.74	
	19	2440	7.11	8.50		6.81	8.50		
	39	2480	7.40	8.50		6.74	8.50		

**General Note:**

1. For 2.4GHz Bluetooth Ant 16 SAR testing was selected 1Mbps due to its highest average power and duty cycle is 76.83% considered in SAR testing, and the duty cycle would be scaled to theoretical 83.3% in reported SAR calculation.
2. For 2.4GHz Bluetooth Ant 7 SAR testing was selected 1Mbps due to its highest average power and duty cycle is 76.74% considered in SAR testing, and the duty cycle would be scaled to theoretical 83.3% in reported SAR calculation.



<Bluetooth\_Index 5>

	Mode	Channel	Frequency (MHz)	Ant 16			Ant 7		
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %
Bluetooth	BR / EDR 1Mbps	0	2402	14.95	16.50	76.83	15.10	16.50	76.74
		39	2441	15.02	16.50		15.00	16.50	
		78	2480	15.25	16.50		15.18	16.50	
	BR / EDR 2Mbps	0	2402	12.34	14.00	76.83	12.46	14.00	76.74
		39	2441	12.53	14.00		12.20	14.00	
		78	2480	12.48	14.00		12.26	14.00	
	BR / EDR 3Mbps	0	2402	12.34	14.00	76.83	12.42	14.00	76.74
		39	2441	12.54	14.00		12.20	14.00	
		78	2480	12.50	14.00		12.23	14.00	
	LE 1Mbps	0	2402	6.83	8.50	76.83	6.72	8.50	76.74
		19	2440	7.36	8.50		6.76	8.50	
		39	2480	7.38	8.50		6.66	8.50	
LE 2Mbps	0	2402	7.19	8.50	76.83	6.77	8.50	76.74	
	19	2440	7.11	8.50		6.81	8.50		
	39	2480	7.40	8.50		6.74	8.50		

**General Note:**

1. For 2.4GHz Bluetooth Ant 16 SAR testing was selected 1Mbps due to its highest average power and duty cycle is 76.83% considered in SAR testing, and the duty cycle would be scaled to theoretical 83.3% in reported SAR calculation.
2. For 2.4GHz Bluetooth Ant 7 SAR testing was selected 1Mbps due to its highest average power and duty cycle is 76.74% considered in SAR testing, and the duty cycle would be scaled to theoretical 83.3% in reported SAR calculation.



<Bluetooth\_Index 6>

	Mode	Channel	Frequency (MHz)	Ant 16			Ant 7		
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %
Bluetooth	BR / EDR 1Mbps	0	2402	14.95	16.50	76.83	15.10	16.50	76.74
		39	2441	15.02	16.50		15.00	16.50	
		78	2480	15.25	16.50		15.18	16.50	
	BR / EDR 2Mbps	0	2402	12.34	14.00	76.83	12.46	14.00	76.74
		39	2441	12.53	14.00		12.20	14.00	
		78	2480	12.48	14.00		12.26	14.00	
	BR / EDR 3Mbps	0	2402	12.34	14.00	76.83	12.42	14.00	76.74
		39	2441	12.54	14.00		12.20	14.00	
		78	2480	12.50	14.00		12.23	14.00	
	LE 1Mbps	0	2402	6.83	8.50	76.83	6.72	8.50	76.74
		19	2440	7.36	8.50		6.76	8.50	
		39	2480	7.38	8.50		6.66	8.50	
LE 2Mbps	0	2402	7.19	8.50	76.83	6.77	8.50	76.74	
	19	2440	7.11	8.50		6.81	8.50		
	39	2480	7.40	8.50		6.74	8.50		

**General Note:**

1. For 2.4GHz Bluetooth Ant 16 SAR testing was selected 1Mbps due to its highest average power and duty cycle is 76.83% considered in SAR testing, and the duty cycle would be scaled to theoretical 83.3% in reported SAR calculation.
2. For 2.4GHz Bluetooth Ant 7 SAR testing was selected 1Mbps due to its highest average power and duty cycle is 76.74% considered in SAR testing, and the duty cycle would be scaled to theoretical 83.3% in reported SAR calculation.



<Bluetooth\_Index 7>

	Mode	Channel	Frequency (MHz)	Ant 16			Ant 7		
				Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %
Bluetooth	BR / EDR 1Mbps	0	2402	14.95	16.50	76.83	15.10	16.50	76.74
		39	2441	15.02	16.50		15.00	16.50	
		78	2480	15.25	16.50		15.18	16.50	
	BR / EDR 2Mbps	0	2402	12.34	14.00	76.83	12.46	14.00	76.74
		39	2441	12.53	14.00		12.20	14.00	
		78	2480	12.48	14.00		12.26	14.00	
	BR / EDR 3Mbps	0	2402	12.34	14.00	76.83	12.42	14.00	76.74
		39	2441	12.54	14.00		12.20	14.00	
		78	2480	12.50	14.00		12.23	14.00	
	LE 1Mbps	0	2402	6.83	8.50	76.83	6.72	8.50	76.74
		19	2440	7.36	8.50		6.76	8.50	
		39	2480	7.38	8.50		6.66	8.50	
LE 2Mbps	0	2402	7.19	8.50	76.83	6.77	8.50	76.74	
	19	2440	7.11	8.50		6.81	8.50		
	39	2480	7.40	8.50		6.74	8.50		

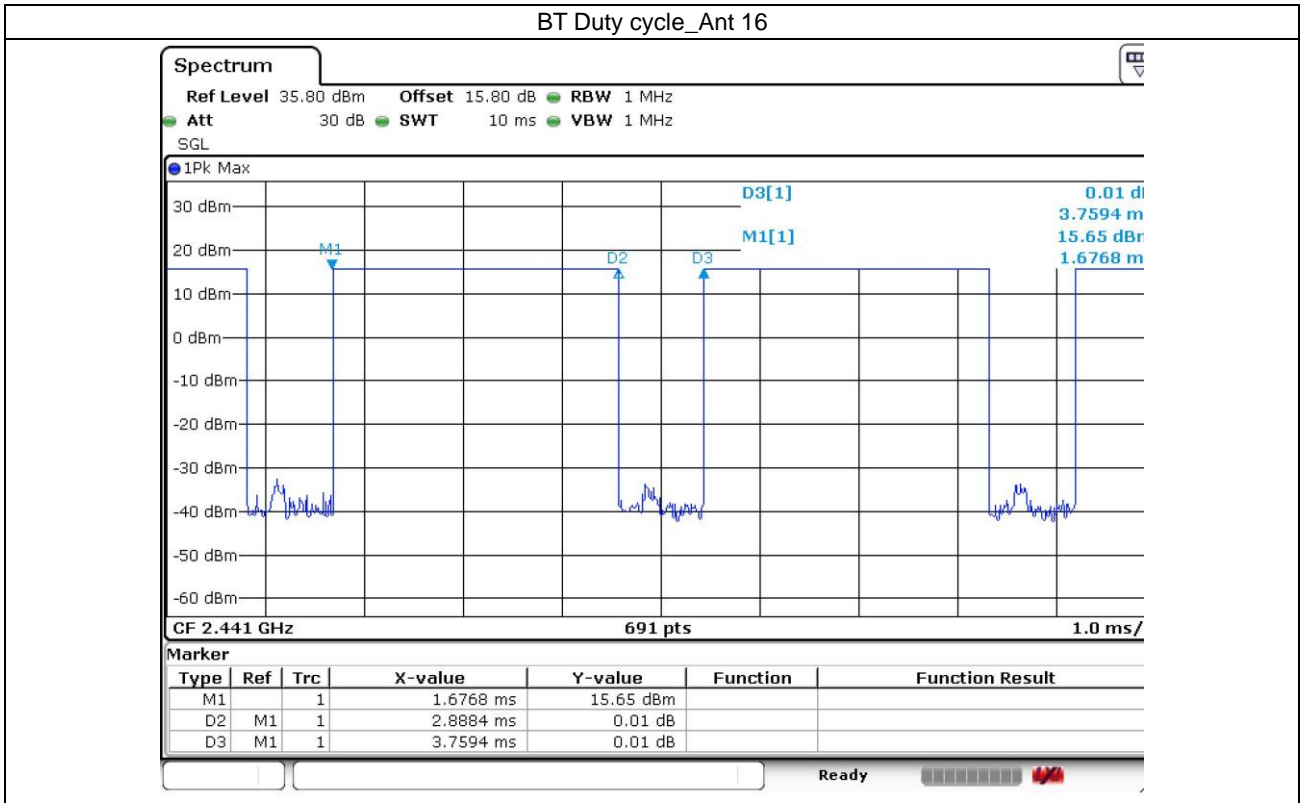
**General Note:**

1. For 2.4GHz Bluetooth Ant 16 SAR testing was selected 1Mbps due to its highest average power and duty cycle is 76.83% considered in SAR testing, and the duty cycle would be scaled to theoretical 83.3% in reported SAR calculation.
2. For 2.4GHz Bluetooth Ant 7 SAR testing was selected 1Mbps due to its highest average power and duty cycle is 76.74% considered in SAR testing, and the duty cycle would be scaled to theoretical 83.3% in reported SAR calculation.





<Bluetooth\_Index 1 ~ Index 7>



<Bluetooth\_Index 1 ~ Index 7>

