



**FCC SAR TEST REPORT**

**Report No. :FA2D0206-01F**

15	256QAM	36	39	19.32	19.42	19.40	
15	256QAM	75	0	19.54	19.48	19.58	
Channel				133172	133297	133422	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	QPSK	1	0	24.69	24.44	24.70	25.4
10	QPSK	1	25	24.61	24.59	24.40	
10	QPSK	1	49	24.21	24.44	24.12	
10	QPSK	25	0	23.53	23.50	23.60	24.4
10	QPSK	25	12	23.44	23.55	23.56	
10	QPSK	25	25	23.36	23.45	23.46	
10	QPSK	50	0	23.55	23.36	23.57	
10	16QAM	1	0	23.58	23.57	23.77	24.4
10	16QAM	1	25	22.98	23.42	23.19	
10	16QAM	1	49	23.56	23.40	23.44	
10	16QAM	25	0	22.57	22.51	22.51	23.4
10	16QAM	25	12	22.50	22.48	22.39	
10	16QAM	25	25	22.42	22.30	22.23	
10	16QAM	50	0	22.37	22.32	22.41	
10	64QAM	1	0	22.47	22.59	22.62	23.4
10	64QAM	1	25	22.94	22.97	22.22	
10	64QAM	1	49	22.27	22.47	22.19	
10	64QAM	25	0	21.63	21.47	21.54	22.4
10	64QAM	25	12	21.38	21.42	21.62	
10	64QAM	25	25	21.44	21.49	21.37	
10	64QAM	50	0	21.53	21.41	21.42	
10	256QAM	1	0	19.74	19.71	19.75	20.4
10	256QAM	1	25	19.55	19.62	19.57	
10	256QAM	1	49	19.37	19.40	19.46	
10	256QAM	25	0	19.45	19.44	19.50	20.4
10	256QAM	25	12	19.57	19.42	19.44	
10	256QAM	25	25	19.33	19.30	19.30	
10	256QAM	50	0	19.43	19.38	19.49	
Channel				133147	133297	133447	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	QPSK	1	0	24.67	24.60	24.62	25.4
5	QPSK	1	12	24.53	24.46	24.42	
5	QPSK	1	24	24.10	24.41	24.22	
5	QPSK	12	0	23.52	23.50	23.64	24.4
5	QPSK	12	7	23.51	23.51	23.48	
5	QPSK	12	13	23.22	23.26	23.40	
5	QPSK	25	0	23.44	23.47	23.53	
5	16QAM	1	0	23.57	23.73	23.84	24.4
5	16QAM	1	12	23.02	23.44	23.26	
5	16QAM	1	24	23.51	23.50	23.40	
5	16QAM	12	0	22.50	22.44	22.52	23.4
5	16QAM	12	7	22.44	22.39	22.45	
5	16QAM	12	13	22.47	22.37	22.28	
5	16QAM	25	0	22.51	22.29	22.33	
5	64QAM	1	0	22.63	22.56	22.68	23.4
5	64QAM	1	12	22.90	22.90	22.29	
5	64QAM	1	24	22.38	22.40	22.17	
5	64QAM	12	0	21.61	21.59	21.46	22.4
5	64QAM	12	7	21.37	21.39	21.60	
5	64QAM	12	13	21.49	21.50	21.42	
5	64QAM	25	0	21.43	21.30	21.43	
5	256QAM	1	0	19.74	19.67	19.77	20.4
5	256QAM	1	12	19.59	19.57	19.52	
5	256QAM	1	24	19.53	19.46	19.58	
5	256QAM	12	0	19.43	19.58	19.60	20.4
5	256QAM	12	7	19.52	19.42	19.39	
5	256QAM	12	13	19.29	19.33	19.28	
5	256QAM	25	0	19.58	19.50	19.44	



<LTE Band 71\_Ant 1\_Index 2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				133222	133297	133372	
Frequency (MHz)				673	680.5	688	
20	QPSK	1	0	22.54	22.46	22.58	23.9
20	QPSK	1	49	22.37	22.31	22.33	
20	QPSK	1	99	22.24	22.16	22.12	
20	QPSK	50	0	22.52	22.53	22.57	23.9
20	QPSK	50	24	22.43	22.41	22.48	
20	QPSK	50	50	22.42	22.35	22.39	
20	QPSK	100	0	22.45	22.45	22.42	
20	16QAM	1	0	22.48	22.45	22.43	23.9
20	16QAM	1	49	22.44	22.43	22.44	
20	16QAM	1	99	22.11	22.39	22.17	
20	16QAM	50	0	22.50	22.38	22.45	23.5
20	16QAM	50	24	22.40	22.35	22.41	
20	16QAM	50	50	22.46	22.26	22.25	
20	16QAM	100	0	22.45	22.36	22.31	
20	64QAM	1	0	22.37	22.29	22.27	23.5
20	64QAM	1	49	22.22	22.40	22.28	
20	64QAM	1	99	22.46	22.45	22.15	
20	64QAM	50	0	21.51	21.54	21.52	22.5
20	64QAM	50	24	21.41	21.40	21.39	
20	64QAM	50	50	21.32	21.40	21.35	
20	64QAM	100	0	21.42	21.39	21.41	
20	256QAM	1	0	19.67	19.72	19.71	20.5
20	256QAM	1	49	19.25	19.37	19.36	
20	256QAM	1	99	19.33	19.43	19.43	
20	256QAM	50	0	19.32	19.47	19.42	20.5
20	256QAM	50	24	19.36	19.47	19.31	
20	256QAM	50	50	19.09	19.27	19.22	
20	256QAM	100	0	19.17	19.42	19.29	
Channel				133197	133297	133397	
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	0	22.35	22.32	22.38	23.9
15	QPSK	1	37	22.19	22.15	22.22	
15	QPSK	1	74	22.07	22.05	22.04	
15	QPSK	36	0	22.51	22.37	22.47	23.9
15	QPSK	36	20	22.35	22.35	22.33	
15	QPSK	36	39	22.29	22.19	22.30	
15	QPSK	75	0	22.44	22.27	22.30	
15	16QAM	1	0	22.30	22.26	22.24	23.9
15	16QAM	1	37	22.43	22.23	22.26	
15	16QAM	1	74	22.01	22.27	22.00	
15	16QAM	36	0	22.38	22.33	22.42	23.5
15	16QAM	36	20	22.23	22.32	22.35	
15	16QAM	36	39	22.31	22.08	22.09	
15	16QAM	75	0	22.26	22.35	22.15	
15	64QAM	1	0	22.26	22.16	22.14	23.5
15	64QAM	1	37	22.03	22.31	22.28	
15	64QAM	1	74	22.29	22.42	21.67	
15	64QAM	36	0	21.35	21.43	21.49	22.5
15	64QAM	36	20	21.37	21.40	21.25	
15	64QAM	36	39	21.16	21.32	21.17	
15	64QAM	75	0	21.32	21.27	21.26	
15	256QAM	1	0	19.56	19.72	19.63	20.5
15	256QAM	1	37	19.09	19.20	19.24	
15	256QAM	1	74	19.31	19.27	19.34	
15	256QAM	36	0	19.17	19.34	19.33	20.5
15	256QAM	36	20	19.29	19.42	19.13	



**FCC SAR TEST REPORT**

**Report No. :FA2D0206-01F**

15	256QAM	36	39	18.97	19.26	19.07	
15	256QAM	75	0	19.06	19.26	19.28	
Channel				133172	133297	133422	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	QPSK	1	0	22.36	22.43	22.38	23.9
10	QPSK	1	25	22.21	22.27	22.22	
10	QPSK	1	49	22.10	22.11	22.02	
10	QPSK	25	0	22.34	22.36	22.39	23.9
10	QPSK	25	12	22.43	22.32	22.31	
10	QPSK	25	25	22.33	22.24	22.37	
10	QPSK	50	0	22.27	22.38	22.27	
10	16QAM	1	0	22.45	22.33	22.27	23.9
10	16QAM	1	25	22.43	22.27	22.42	
10	16QAM	1	49	21.93	22.26	21.97	
10	16QAM	25	0	22.37	22.22	22.32	23.5
10	16QAM	25	12	22.27	22.19	22.28	
10	16QAM	25	25	22.34	22.13	22.15	
10	16QAM	50	0	22.26	22.31	22.25	
10	64QAM	1	0	22.21	22.14	22.22	23.5
10	64QAM	1	25	22.15	22.34	22.23	
10	64QAM	1	49	22.38	22.34	21.69	
10	64QAM	25	0	21.38	21.49	21.36	22.5
10	64QAM	25	12	21.32	21.40	21.36	
10	64QAM	25	25	21.17	21.39	21.17	
10	64QAM	50	0	21.28	21.22	21.36	
10	256QAM	1	0	19.54	19.70	19.69	20.5
10	256QAM	1	25	19.19	19.25	19.25	
10	256QAM	1	49	19.26	19.43	19.37	
10	256QAM	25	0	19.15	19.28	19.35	20.5
10	256QAM	25	12	19.29	19.35	19.16	
10	256QAM	25	25	19.01	19.17	19.22	
10	256QAM	50	0	19.04	19.22	19.15	
Channel				133147	133297	133447	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	QPSK	1	0	22.52	22.27	22.51	23.9
5	QPSK	1	12	22.27	22.23	22.13	
5	QPSK	1	24	22.17	22.10	21.93	
5	QPSK	12	0	22.44	22.37	22.57	23.9
5	QPSK	12	7	22.34	22.32	22.30	
5	QPSK	12	13	22.42	22.21	22.38	
5	QPSK	25	0	22.31	22.32	22.33	
5	16QAM	1	0	22.30	22.27	22.29	23.9
5	16QAM	1	12	22.38	22.27	22.27	
5	16QAM	1	24	21.96	22.24	22.04	
5	16QAM	12	0	22.47	22.24	22.26	23.5
5	16QAM	12	7	22.35	22.17	22.21	
5	16QAM	12	13	22.45	22.15	22.13	
5	16QAM	25	0	22.32	22.18	22.21	
5	64QAM	1	0	22.28	22.19	22.16	23.5
5	64QAM	1	12	22.22	22.27	22.18	
5	64QAM	1	24	22.33	22.43	21.74	
5	64QAM	12	0	21.41	21.49	21.32	22.5
5	64QAM	12	7	21.33	21.37	21.39	
5	64QAM	12	13	21.15	21.39	21.16	
5	64QAM	25	0	21.30	21.39	21.31	
5	256QAM	1	0	19.50	19.66	19.70	20.5
5	256QAM	1	12	19.23	19.29	19.25	
5	256QAM	1	24	19.16	19.23	19.38	
5	256QAM	12	0	19.22	19.47	19.29	20.5
5	256QAM	12	7	19.17	19.47	19.26	
5	256QAM	12	13	18.94	19.24	19.17	
5	256QAM	25	0	19.16	19.22	19.12	



<LTE Band 71\_Ant 1\_Index 3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				133222	133297	133372	
Frequency (MHz)				673	680.5	688	
20	QPSK	1	0	22.54	22.46	22.58	23.2
20	QPSK	1	49	22.37	22.31	22.33	
20	QPSK	1	99	22.24	22.16	22.12	
20	QPSK	50	0	22.52	22.53	22.57	23.2
20	QPSK	50	24	22.43	22.41	22.48	
20	QPSK	50	50	22.42	22.35	22.39	
20	QPSK	100	0	22.45	22.45	22.42	
20	16QAM	1	0	22.48	22.45	22.43	23.2
20	16QAM	1	49	22.44	22.43	22.44	
20	16QAM	1	99	22.11	22.39	22.17	
20	16QAM	50	0	22.50	22.38	22.45	23.2
20	16QAM	50	24	22.40	22.35	22.41	
20	16QAM	50	50	22.46	22.26	22.25	
20	16QAM	100	0	22.45	22.36	22.31	
20	64QAM	1	0	22.37	22.29	22.27	23.2
20	64QAM	1	49	22.22	22.40	22.28	
20	64QAM	1	99	22.46	22.45	22.15	
20	64QAM	50	0	21.51	21.54	21.52	22.5
20	64QAM	50	24	21.41	21.40	21.39	
20	64QAM	50	50	21.32	21.40	21.35	
20	64QAM	100	0	21.42	21.39	21.41	
20	256QAM	1	0	19.67	19.72	19.71	20.5
20	256QAM	1	49	19.25	19.37	19.36	
20	256QAM	1	99	19.33	19.43	19.43	
20	256QAM	50	0	19.32	19.47	19.42	20.5
20	256QAM	50	24	19.36	19.47	19.31	
20	256QAM	50	50	19.09	19.27	19.22	
20	256QAM	100	0	19.17	19.42	19.29	
Channel				133197	133297	133397	
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	0	22.35	22.32	22.38	23.2
15	QPSK	1	37	22.19	22.15	22.22	
15	QPSK	1	74	22.07	22.05	22.04	
15	QPSK	36	0	22.51	22.37	22.47	23.2
15	QPSK	36	20	22.35	22.35	22.33	
15	QPSK	36	39	22.29	22.19	22.30	
15	QPSK	75	0	22.44	22.27	22.30	
15	16QAM	1	0	22.30	22.26	22.24	23.2
15	16QAM	1	37	22.43	22.23	22.26	
15	16QAM	1	74	22.01	22.27	22.00	
15	16QAM	36	0	22.38	22.33	22.42	23.2
15	16QAM	36	20	22.23	22.32	22.35	
15	16QAM	36	39	22.31	22.08	22.09	
15	16QAM	75	0	22.26	22.35	22.15	
15	64QAM	1	0	22.26	22.16	22.14	23.2
15	64QAM	1	37	22.03	22.31	22.28	
15	64QAM	1	74	22.29	22.42	21.67	
15	64QAM	36	0	21.35	21.43	21.49	22.5
15	64QAM	36	20	21.37	21.40	21.25	
15	64QAM	36	39	21.16	21.32	21.17	
15	64QAM	75	0	21.32	21.27	21.26	
15	256QAM	1	0	19.56	19.72	19.63	20.5
15	256QAM	1	37	19.09	19.20	19.24	
15	256QAM	1	74	19.31	19.27	19.34	
15	256QAM	36	0	19.17	19.34	19.33	20.5
15	256QAM	36	20	19.29	19.42	19.13	



**FCC SAR TEST REPORT**

**Report No. :FA2D0206-01F**

15	256QAM	36	39	18.97	19.26	19.07	
15	256QAM	75	0	19.06	19.26	19.28	
Channel				133172	133297	133422	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	QPSK	1	0	22.36	22.43	22.38	23.2
10	QPSK	1	25	22.21	22.27	22.22	
10	QPSK	1	49	22.10	22.11	22.02	
10	QPSK	25	0	22.34	22.36	22.39	23.2
10	QPSK	25	12	22.43	22.32	22.31	
10	QPSK	25	25	22.33	22.24	22.37	
10	QPSK	50	0	22.27	22.38	22.27	
10	16QAM	1	0	22.45	22.33	22.27	23.2
10	16QAM	1	25	22.43	22.27	22.42	
10	16QAM	1	49	21.93	22.26	21.97	
10	16QAM	25	0	22.37	22.22	22.32	23.2
10	16QAM	25	12	22.27	22.19	22.28	
10	16QAM	25	25	22.34	22.13	22.15	
10	16QAM	50	0	22.26	22.31	22.25	
10	64QAM	1	0	22.21	22.14	22.22	23.2
10	64QAM	1	25	22.15	22.34	22.23	
10	64QAM	1	49	22.38	22.34	21.69	
10	64QAM	25	0	21.38	21.49	21.36	22.5
10	64QAM	25	12	21.32	21.40	21.36	
10	64QAM	25	25	21.17	21.39	21.17	
10	64QAM	50	0	21.28	21.22	21.36	
10	256QAM	1	0	19.54	19.70	19.69	20.5
10	256QAM	1	25	19.19	19.25	19.25	
10	256QAM	1	49	19.26	19.43	19.37	
10	256QAM	25	0	19.15	19.28	19.35	20.5
10	256QAM	25	12	19.29	19.35	19.16	
10	256QAM	25	25	19.01	19.17	19.22	
10	256QAM	50	0	19.04	19.22	19.15	
Channel				133147	133297	133447	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	QPSK	1	0	22.52	22.27	22.51	23.2
5	QPSK	1	12	22.27	22.23	22.13	
5	QPSK	1	24	22.17	22.10	21.93	
5	QPSK	12	0	22.44	22.37	22.57	23.2
5	QPSK	12	7	22.34	22.32	22.30	
5	QPSK	12	13	22.42	22.21	22.38	
5	QPSK	25	0	22.31	22.32	22.33	
5	16QAM	1	0	22.30	22.27	22.29	23.2
5	16QAM	1	12	22.38	22.27	22.27	
5	16QAM	1	24	21.96	22.24	22.04	
5	16QAM	12	0	22.47	22.24	22.26	23.2
5	16QAM	12	7	22.35	22.17	22.21	
5	16QAM	12	13	22.45	22.15	22.13	
5	16QAM	25	0	22.32	22.18	22.21	
5	64QAM	1	0	22.28	22.19	22.16	23.2
5	64QAM	1	12	22.22	22.27	22.18	
5	64QAM	1	24	22.33	22.43	21.74	
5	64QAM	12	0	21.41	21.49	21.32	22.5
5	64QAM	12	7	21.33	21.37	21.39	
5	64QAM	12	13	21.15	21.39	21.16	
5	64QAM	25	0	21.30	21.39	21.31	
5	256QAM	1	0	19.50	19.66	19.70	20.5
5	256QAM	1	12	19.23	19.29	19.25	
5	256QAM	1	24	19.16	19.23	19.38	
5	256QAM	12	0	19.22	19.47	19.29	20.5
5	256QAM	12	7	19.17	19.47	19.26	
5	256QAM	12	13	18.94	19.24	19.17	
5	256QAM	25	0	19.16	19.22	19.12	



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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				133222	133297	133372	
Frequency (MHz)				673	680.5	688	
20	QPSK	1	0	24.54	24.45	24.49	25.5
20	QPSK	1	49	24.32	24.29	24.27	
20	QPSK	1	99	24.20	24.13	24.07	
20	QPSK	50	0	23.55	23.45	23.49	24.5
20	QPSK	50	24	23.40	23.38	23.47	
20	QPSK	50	50	23.39	23.35	23.35	
20	QPSK	100	0	23.42	23.38	23.41	24.5
20	16QAM	1	0	23.38	23.48	23.45	
20	16QAM	1	49	23.89	23.76	23.59	
20	16QAM	1	99	23.03	23.48	23.14	23.5
20	16QAM	50	0	22.58	22.49	22.48	
20	16QAM	50	24	22.44	22.43	22.45	
20	16QAM	50	50	22.46	22.31	22.27	23.5
20	16QAM	100	0	22.47	22.40	22.36	
20	64QAM	1	0	22.95	22.65	22.68	
20	64QAM	1	49	22.72	22.50	22.81	23.5
20	64QAM	1	99	22.46	22.46	21.94	
20	64QAM	50	0	21.59	21.58	21.54	
20	64QAM	50	24	21.50	21.44	21.48	22.5
20	64QAM	50	50	21.38	21.46	21.35	
20	64QAM	100	0	21.44	21.48	21.47	
20	256QAM	1	0	19.69	19.78	19.76	20.5
20	256QAM	1	49	19.35	19.46	19.37	
20	256QAM	1	99	19.38	19.53	19.51	
20	256QAM	50	0	19.36	19.53	19.47	20.5
20	256QAM	50	24	19.38	19.47	19.36	
20	256QAM	50	50	19.17	19.35	19.28	
20	256QAM	100	0	19.26	19.45	19.37	
Channel				133197	133297	133397	
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	0	24.38	24.38	24.37	25.5
15	QPSK	1	37	24.12	24.11	24.25	
15	QPSK	1	74	24.09	23.93	24.05	
15	QPSK	36	0	23.50	23.40	23.31	24.5
15	QPSK	36	20	23.32	23.31	23.28	
15	QPSK	36	39	23.36	23.25	23.23	
15	QPSK	75	0	23.25	23.27	23.23	24.5
15	16QAM	1	0	23.24	23.33	23.41	
15	16QAM	1	37	23.70	23.56	23.42	
15	16QAM	1	74	22.88	23.33	23.06	23.5
15	16QAM	36	0	22.38	22.38	22.47	
15	16QAM	36	20	22.38	22.37	22.30	
15	16QAM	36	39	22.28	22.27	22.25	23.5
15	16QAM	75	0	22.30	22.27	22.27	
15	64QAM	1	0	22.79	22.45	22.56	
15	64QAM	1	37	22.58	22.34	22.66	23.5
15	64QAM	1	74	22.26	22.44	21.78	
15	64QAM	36	0	21.50	21.52	21.40	
15	64QAM	36	20	21.36	21.37	21.41	22.5
15	64QAM	36	39	21.18	21.43	21.25	
15	64QAM	75	0	21.35	21.41	21.31	
15	256QAM	1	0	19.63	19.70	19.72	20.5
15	256QAM	1	37	19.31	19.30	19.27	
15	256QAM	1	74	19.33	19.37	19.46	
15	256QAM	36	0	19.16	19.36	19.27	20.5
15	256QAM	36	20	19.36	19.30	19.29	



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**Report No. :FA2D0206-01F**

15	256QAM	36	39	19.08	19.32	19.17	
15	256QAM	75	0	19.17	19.25	19.21	
Channel				133172	133297	133422	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	
10	QPSK	1	0	24.54	24.38	24.41	25.5
10	QPSK	1	25	24.32	24.27	24.27	
10	QPSK	1	49	24.17	24.11	23.99	
10	QPSK	25	0	23.55	23.32	23.29	24.5
10	QPSK	25	12	23.20	23.31	23.40	
10	QPSK	25	25	23.38	23.21	23.34	
10	QPSK	50	0	23.23	23.19	23.40	
10	16QAM	1	0	23.21	23.41	23.26	24.5
10	16QAM	1	25	23.85	23.63	23.50	
10	16QAM	1	49	22.94	23.44	23.06	
10	16QAM	25	0	22.56	22.37	22.41	23.5
10	16QAM	25	12	22.33	22.38	22.27	
10	16QAM	25	25	22.27	22.24	22.23	
10	16QAM	50	0	22.41	22.40	22.22	
10	64QAM	1	0	22.87	22.58	22.59	23.5
10	64QAM	1	25	22.53	22.30	22.77	
10	64QAM	1	49	22.35	22.27	21.82	
10	64QAM	25	0	21.42	21.49	21.53	22.5
10	64QAM	25	12	21.37	21.44	21.43	
10	64QAM	25	25	21.29	21.46	21.34	
10	64QAM	50	0	21.36	21.39	21.32	
10	256QAM	1	0	19.57	19.60	19.61	20.5
10	256QAM	1	25	19.25	19.28	19.25	
10	256QAM	1	49	19.19	19.41	19.32	
10	256QAM	25	0	19.20	19.39	19.41	20.5
10	256QAM	25	12	19.23	19.27	19.30	
10	256QAM	25	25	19.16	19.33	19.24	
10	256QAM	50	0	19.19	19.32	19.37	
Channel				133147	133297	133447	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	QPSK	1	0	24.43	24.36	24.29	25.5
5	QPSK	1	12	24.30	24.26	24.22	
5	QPSK	1	24	24.15	24.06	23.98	
5	QPSK	12	0	23.37	23.25	23.39	24.5
5	QPSK	12	7	23.25	23.21	23.31	
5	QPSK	12	13	23.30	23.30	23.27	
5	QPSK	25	0	23.39	23.38	23.21	
5	16QAM	1	0	23.34	23.32	23.38	24.5
5	16QAM	1	12	23.80	23.63	23.49	
5	16QAM	1	24	22.91	23.39	23.00	
5	16QAM	12	0	22.53	22.49	22.34	23.5
5	16QAM	12	7	22.40	22.41	22.45	
5	16QAM	12	13	22.28	22.19	22.15	
5	16QAM	25	0	22.40	22.36	22.24	
5	64QAM	1	0	22.95	22.55	22.57	23.5
5	64QAM	1	12	22.69	22.36	22.80	
5	64QAM	1	24	22.34	22.38	21.77	
5	64QAM	12	0	21.42	21.39	21.38	22.5
5	64QAM	12	7	21.50	21.42	21.33	
5	64QAM	12	13	21.24	21.46	21.26	
5	64QAM	25	0	21.38	21.42	21.34	
5	256QAM	1	0	19.54	19.60	19.64	20.5
5	256QAM	1	12	19.29	19.35	19.35	
5	256QAM	1	24	19.31	19.34	19.43	
5	256QAM	12	0	19.31	19.41	19.27	20.5
5	256QAM	12	7	19.25	19.29	19.30	
5	256QAM	12	13	19.04	19.35	19.26	
5	256QAM	25	0	19.25	19.40	19.36	



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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				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	23.17	23.15	23.40	23.9
20	QPSK	1	49	23.06	23.09	23.15	
20	QPSK	1	99	23.01	23.12	23.06	
20	QPSK	50	0	22.20	22.27	22.25	22.9
20	QPSK	50	24	22.22	22.15	22.07	
20	QPSK	50	50	22.17	22.16	22.04	
20	QPSK	100	0	22.17	22.20	22.12	
20	16QAM	1	0	22.38	22.65	22.04	22.9
20	16QAM	1	49	22.32	22.18	22.37	
20	16QAM	1	99	22.07	22.25	22.01	
20	16QAM	50	0	21.25	21.34	21.27	21.9
20	16QAM	50	24	21.20	21.08	21.12	
20	16QAM	50	50	21.18	21.11	21.10	
20	16QAM	100	0	21.17	21.19	21.17	
20	64QAM	1	0	20.96	20.83	20.73	21.9
20	64QAM	1	49	20.92	20.96	21.09	
20	64QAM	1	99	20.83	20.81	20.50	
20	64QAM	50	0	20.20	20.25	20.21	20.9
20	64QAM	50	24	20.23	20.23	20.17	
20	64QAM	50	50	20.18	20.15	20.17	
20	64QAM	100	0	20.21	20.11	20.16	
20	256QAM	1	0	18.08	18.10	18.22	18.9
20	256QAM	1	49	17.92	17.95	17.98	
20	256QAM	1	99	17.83	17.91	18.02	
20	256QAM	50	0	18.08	18.19	18.28	18.9
20	256QAM	50	24	18.12	18.16	18.23	
20	256QAM	50	50	18.02	18.08	18.20	
20	256QAM	100	0	17.98	18.07	18.14	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	23.12	23.02	23.20	23.9
15	QPSK	1	37	22.93	22.95	23.00	
15	QPSK	1	74	22.92	23.07	23.01	
15	QPSK	36	0	22.03	22.11	22.19	22.9
15	QPSK	36	20	22.12	22.08	21.90	
15	QPSK	36	39	22.04	22.15	21.90	
15	QPSK	75	0	22.15	22.15	22.00	22.9
15	16QAM	1	0	22.27	22.50	21.88	
15	16QAM	1	37	22.19	22.17	22.30	
15	16QAM	1	74	22.02	22.20	22.00	
15	16QAM	36	0	21.05	21.16	21.23	21.9
15	16QAM	36	20	21.09	21.08	21.09	
15	16QAM	36	39	20.98	21.02	21.06	
15	16QAM	75	0	21.03	21.14	21.09	21.9
15	64QAM	1	0	20.93	20.71	20.68	
15	64QAM	1	37	20.73	20.86	20.95	
15	64QAM	1	74	20.72	20.64	20.38	
15	64QAM	36	0	20.12	20.06	20.18	20.9
15	64QAM	36	20	20.14	20.09	20.12	
15	64QAM	36	39	20.09	19.98	19.99	
15	64QAM	75	0	20.09	19.96	20.13	18.9
15	256QAM	1	0	17.95	17.92	18.17	
15	256QAM	1	37	17.90	17.80	17.84	
15	256QAM	1	74	17.78	17.74	17.82	
15	256QAM	36	0	17.96	18.00	18.12	18.9
15	256QAM	36	20	18.04	18.05	18.08	





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15	256QAM	36	39	17.93	18.03	18.12	
15	256QAM	75	0	17.95	17.96	17.96	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	23.12	23.15	23.37	23.9
10	QPSK	1	25	22.87	23.09	23.01	
10	QPSK	1	49	22.83	23.10	23.02	
10	QPSK	25	0	22.13	22.26	22.20	22.9
10	QPSK	25	12	22.12	22.07	22.05	
10	QPSK	25	25	21.98	22.06	21.92	
10	QPSK	50	0	22.05	22.20	22.08	
10	16QAM	1	0	22.30	22.53	21.84	22.9
10	16QAM	1	25	22.15	22.11	22.34	
10	16QAM	1	49	21.96	22.11	21.95	
10	16QAM	25	0	21.18	21.31	21.07	21.9
10	16QAM	25	12	21.08	20.98	21.12	
10	16QAM	25	25	21.14	20.98	20.96	
10	16QAM	50	0	20.99	21.08	21.14	
10	64QAM	1	0	20.91	20.77	20.60	21.9
10	64QAM	1	25	20.79	20.83	20.94	
10	64QAM	1	49	20.68	20.75	20.37	
10	64QAM	25	0	20.18	20.17	20.03	20.9
10	64QAM	25	12	20.11	20.11	20.04	
10	64QAM	25	25	20.05	20.03	20.09	
10	64QAM	50	0	20.20	20.10	20.13	
10	256QAM	1	0	18.06	18.04	18.03	18.9
10	256QAM	1	25	17.92	17.76	17.96	
10	256QAM	1	49	17.68	17.75	18.02	
10	256QAM	25	0	18.07	18.16	18.14	18.9
10	256QAM	25	12	18.03	18.05	18.15	
10	256QAM	25	25	17.82	17.97	18.19	
10	256QAM	50	0	17.84	17.91	17.95	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	23.10	22.99	23.29	23.9
5	QPSK	1	12	22.92	22.99	23.11	
5	QPSK	1	24	23.00	22.93	23.05	
5	QPSK	12	0	22.03	22.07	22.19	22.9
5	QPSK	12	7	22.07	21.97	21.95	
5	QPSK	12	13	22.13	22.09	21.90	
5	QPSK	25	0	21.97	22.05	22.03	
5	16QAM	1	0	22.27	22.50	21.91	22.9
5	16QAM	1	12	22.20	22.02	22.26	
5	16QAM	1	24	22.02	22.05	21.99	
5	16QAM	12	0	21.05	21.14	21.24	21.9
5	16QAM	12	7	21.19	21.06	20.92	
5	16QAM	12	13	20.99	21.03	20.90	
5	16QAM	25	0	21.13	21.07	21.12	
5	64QAM	1	0	20.91	20.70	20.68	21.9
5	64QAM	1	12	20.86	20.83	21.01	
5	64QAM	1	24	20.68	20.76	20.39	
5	64QAM	12	0	20.01	20.25	20.09	20.9
5	64QAM	12	7	20.19	20.09	19.97	
5	64QAM	12	13	20.06	19.96	20.09	
5	64QAM	25	0	20.20	19.96	20.01	
5	256QAM	1	0	18.01	17.92	18.15	18.9
5	256QAM	1	12	17.89	17.95	17.88	
5	256QAM	1	24	17.72	17.83	18.01	
5	256QAM	12	0	17.97	18.13	18.18	18.9
5	256QAM	12	7	18.08	18.01	18.18	
5	256QAM	12	13	17.90	18.08	18.19	
5	256QAM	25	0	17.90	18.03	18.03	



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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				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	21.99	22.28	22.37	23.5
20	QPSK	1	49	22.07	22.11	22.25	
20	QPSK	1	99	22.16	22.00	22.15	
20	QPSK	50	0	21.14	21.30	21.31	22.5
20	QPSK	50	24	21.20	21.16	21.19	
20	QPSK	50	50	21.17	21.19	21.20	
20	QPSK	100	0	21.17	21.21	21.34	22.5
20	16QAM	1	0	20.69	20.97	21.63	
20	16QAM	1	49	20.70	21.03	21.02	
20	16QAM	1	99	20.79	20.86	21.22	21.5
20	16QAM	50	0	20.15	20.22	20.32	
20	16QAM	50	24	20.10	20.19	20.20	
20	16QAM	50	50	20.20	20.38	20.20	21.5
20	16QAM	100	0	20.09	20.26	20.26	
20	64QAM	1	0	19.83	20.01	19.91	
20	64QAM	1	49	19.50	19.85	20.00	21.5
20	64QAM	1	99	19.51	19.87	20.12	
20	64QAM	50	0	19.08	19.26	19.33	
20	64QAM	50	24	19.17	19.22	19.14	20.5
20	64QAM	50	50	19.04	19.10	19.16	
20	64QAM	100	0	19.15	19.21	19.24	
20	256QAM	1	0	17.19	17.22	17.47	18.5
20	256QAM	1	49	17.05	17.13	17.34	
20	256QAM	1	99	17.03	17.10	17.34	
20	256QAM	50	0	17.39	17.49	17.68	18.5
20	256QAM	50	24	17.38	17.44	17.61	
20	256QAM	50	50	17.43	17.46	17.71	
20	256QAM	100	0	17.29	17.40	17.56	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	21.93	22.20	22.35	23.5
15	QPSK	1	37	22.07	22.08	22.15	
15	QPSK	1	74	21.99	21.97	22.01	
15	QPSK	36	0	21.05	21.24	21.14	22.5
15	QPSK	36	20	21.02	21.00	21.07	
15	QPSK	36	39	21.16	21.12	21.07	
15	QPSK	75	0	21.12	21.10	21.25	22.5
15	16QAM	1	0	20.52	20.85	21.55	
15	16QAM	1	37	20.60	20.97	20.97	
15	16QAM	1	74	20.76	20.77	21.20	21.5
15	16QAM	36	0	20.04	20.21	20.12	
15	16QAM	36	20	19.97	20.16	20.15	
15	16QAM	36	39	20.08	20.21	20.06	21.5
15	16QAM	75	0	20.08	20.11	20.17	
15	64QAM	1	0	19.67	19.82	19.73	
15	64QAM	1	37	19.60	19.66	19.95	21.5
15	64QAM	1	74	19.53	19.76	19.94	
15	64QAM	36	0	19.05	19.06	19.17	
15	64QAM	36	20	19.09	19.03	18.95	20.5
15	64QAM	36	39	18.92	18.91	19.03	
15	64QAM	75	0	19.14	19.18	19.09	
15	256QAM	1	0	17.00	17.19	17.43	18.5
15	256QAM	1	37	16.95	17.02	17.32	
15	256QAM	1	74	16.95	17.02	17.14	
15	256QAM	36	0	17.35	17.36	17.52	18.5
15	256QAM	36	20	17.32	17.43	17.50	



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**Report No. :FA2D0206-01F**

15	256QAM	36	39	17.40	17.40	17.68	
15	256QAM	75	0	17.09	17.33	17.45	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	21.82	22.25	22.20	23.5
10	QPSK	1	25	21.96	21.91	22.19	
10	QPSK	1	49	22.12	21.92	21.99	
10	QPSK	25	0	20.95	21.16	21.22	22.5
10	QPSK	25	12	21.04	21.06	21.13	
10	QPSK	25	25	21.06	21.02	21.02	
10	QPSK	50	0	21.10	21.18	21.20	
10	16QAM	1	0	20.65	20.90	21.51	22.5
10	16QAM	1	25	20.65	20.86	20.82	
10	16QAM	1	49	20.61	20.70	21.08	
10	16QAM	25	0	20.05	20.15	20.26	21.5
10	16QAM	25	12	20.06	20.07	20.16	
10	16QAM	25	25	20.16	20.37	20.11	
10	16QAM	50	0	20.04	20.07	20.12	
10	64QAM	1	0	19.64	19.95	19.80	21.5
10	64QAM	1	25	19.54	19.73	19.98	
10	64QAM	1	49	19.51	19.78	20.05	
10	64QAM	25	0	18.94	19.18	19.24	20.5
10	64QAM	25	12	19.12	19.05	18.96	
10	64QAM	25	25	19.03	19.05	19.08	
10	64QAM	50	0	19.01	19.03	19.04	
10	256QAM	1	0	17.03	17.04	17.37	18.5
10	256QAM	1	25	17.03	17.12	17.25	
10	256QAM	1	49	16.98	17.05	17.14	
10	256QAM	25	0	17.30	17.35	17.61	18.5
10	256QAM	25	12	17.35	17.39	17.48	
10	256QAM	25	25	17.43	17.29	17.57	
10	256QAM	50	0	17.14	17.35	17.44	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	21.95	22.19	22.27	23.5
5	QPSK	1	12	22.00	21.95	22.20	
5	QPSK	1	24	22.13	21.97	22.06	
5	QPSK	12	0	20.97	21.29	21.16	22.5
5	QPSK	12	7	21.05	21.02	21.16	
5	QPSK	12	13	21.14	21.12	21.14	
5	QPSK	25	0	20.99	21.06	21.17	
5	16QAM	1	0	20.59	20.96	21.54	22.5
5	16QAM	1	12	20.51	20.87	20.93	
5	16QAM	1	24	20.68	20.80	21.19	
5	16QAM	12	0	20.07	20.03	20.26	21.5
5	16QAM	12	7	19.94	20.01	20.14	
5	16QAM	12	13	20.14	20.27	20.16	
5	16QAM	25	0	19.96	20.23	20.20	
5	64QAM	1	0	19.77	19.84	19.77	21.5
5	64QAM	1	12	19.53	19.71	19.86	
5	64QAM	1	24	19.59	19.83	20.02	
5	64QAM	12	0	19.00	19.17	19.29	20.5
5	64QAM	12	7	19.04	19.22	18.94	
5	64QAM	12	13	18.89	18.94	19.01	
5	64QAM	25	0	18.96	19.06	19.09	
5	256QAM	1	0	17.15	17.13	17.45	18.5
5	256QAM	1	12	16.98	17.10	17.14	
5	256QAM	1	24	16.94	17.00	17.24	
5	256QAM	12	0	17.19	17.37	17.51	18.5
5	256QAM	12	7	17.22	17.32	17.56	
5	256QAM	12	13	17.27	17.31	17.57	
5	256QAM	25	0	17.29	17.30	17.39	



<LTE Band 38\_Ant 2\_Index 4/6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	22.72	22.79	22.77	23.2
20	QPSK	1	49	22.53	22.73	22.69	
20	QPSK	1	99	22.64	22.76	22.62	
20	QPSK	50	0	22.30	22.35	22.23	22.9
20	QPSK	50	24	22.19	22.13	22.08	
20	QPSK	50	50	22.11	22.25	21.97	
20	QPSK	100	0	22.27	22.25	22.16	
20	16QAM	1	0	22.29	22.71	22.00	22.9
20	16QAM	1	49	22.42	22.18	22.40	
20	16QAM	1	99	22.01	22.24	21.92	
20	16QAM	50	0	21.15	21.41	21.36	21.9
20	16QAM	50	24	21.13	21.06	21.17	
20	16QAM	50	50	21.10	21.11	21.01	
20	16QAM	100	0	21.27	21.20	21.11	
20	64QAM	1	0	20.91	20.83	20.81	21.9
20	64QAM	1	49	20.84	20.89	21.06	
20	64QAM	1	99	20.75	20.82	20.43	
20	64QAM	50	0	20.30	20.22	20.24	20.9
20	64QAM	50	24	20.25	20.27	20.10	
20	64QAM	50	50	20.17	20.10	20.13	
20	64QAM	100	0	20.25	20.12	20.25	
20	256QAM	1	0	18.04	18.17	18.18	18.9
20	256QAM	1	49	17.91	17.91	17.88	
20	256QAM	1	99	17.88	17.84	18.02	
20	256QAM	50	0	18.08	18.26	18.25	18.9
20	256QAM	50	24	18.06	18.11	18.31	
20	256QAM	50	50	18.11	18.13	18.28	
20	256QAM	100	0	17.94	18.12	18.18	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	22.55	22.78	22.58	23.2
15	QPSK	1	37	22.36	22.66	22.57	
15	QPSK	1	74	22.49	22.57	22.50	
15	QPSK	36	0	22.22	22.20	22.18	22.9
15	QPSK	36	20	22.03	21.93	21.88	
15	QPSK	36	39	22.11	22.20	21.82	
15	QPSK	75	0	22.15	22.06	21.97	22.9
15	16QAM	1	0	22.11	22.66	21.82	
15	16QAM	1	37	22.37	21.98	22.34	
15	16QAM	1	74	21.92	22.12	21.75	
15	16QAM	36	0	21.03	21.30	21.30	21.9
15	16QAM	36	20	21.06	20.99	21.14	
15	16QAM	36	39	20.95	21.01	20.81	
15	16QAM	75	0	21.18	21.07	20.93	21.9
15	64QAM	1	0	20.86	20.70	20.75	
15	64QAM	1	37	20.66	20.69	21.02	
15	64QAM	1	74	20.75	20.62	20.29	
15	64QAM	36	0	20.29	20.19	20.23	20.9
15	64QAM	36	20	20.18	20.24	19.94	
15	64QAM	36	39	19.99	20.05	20.05	
15	64QAM	75	0	20.10	19.99	20.16	18.9
15	256QAM	1	0	17.91	18.04	18.03	
15	256QAM	1	37	17.84	17.74	17.70	
15	256QAM	1	74	17.86	17.77	17.86	
15	256QAM	36	0	17.94	18.19	18.08	18.9
15	256QAM	36	20	17.96	18.09	18.27	



**FCC SAR TEST REPORT**

**Report No. :FA2D0206-01F**

15	256QAM	36	39	18.11	17.99	18.15	
15	256QAM	75	0	17.76	17.97	18.18	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	22.66	22.62	22.57	23.2
10	QPSK	1	25	22.47	22.62	22.58	
10	QPSK	1	49	22.45	22.56	22.53	
10	QPSK	25	0	22.23	22.18	22.12	22.9
10	QPSK	25	12	22.08	22.13	22.08	
10	QPSK	25	25	22.01	22.12	21.93	
10	QPSK	50	0	22.23	22.23	22.06	
10	16QAM	1	0	22.11	22.53	21.82	22.9
10	16QAM	1	25	22.31	22.09	22.30	
10	16QAM	1	49	21.82	22.24	21.77	
10	16QAM	25	0	21.06	21.39	21.28	21.9
10	16QAM	25	12	21.13	20.86	21.01	
10	16QAM	25	25	21.08	20.92	20.98	
10	16QAM	50	0	21.15	21.07	21.05	
10	64QAM	1	0	20.76	20.78	20.79	21.9
10	64QAM	1	25	20.66	20.85	20.89	
10	64QAM	1	49	20.62	20.70	20.39	
10	64QAM	25	0	20.27	20.10	20.18	20.9
10	64QAM	25	12	20.06	20.13	20.03	
10	64QAM	25	25	20.13	20.00	19.99	
10	64QAM	50	0	20.09	19.94	20.20	
10	256QAM	1	0	18.03	17.97	18.18	18.9
10	256QAM	1	25	17.85	17.81	17.88	
10	256QAM	1	49	17.80	17.74	17.89	
10	256QAM	25	0	17.91	18.22	18.20	18.9
10	256QAM	25	12	17.88	18.10	18.20	
10	256QAM	25	25	17.98	18.01	18.24	
10	256QAM	50	0	17.88	17.94	18.14	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	22.71	22.75	22.73	23.2
5	QPSK	1	12	22.36	22.70	22.49	
5	QPSK	1	24	22.63	22.75	22.43	
5	QPSK	12	0	22.27	22.31	22.08	22.9
5	QPSK	12	7	22.19	22.08	21.96	
5	QPSK	12	13	22.07	22.15	21.78	
5	QPSK	25	0	22.14	22.10	22.00	
5	16QAM	1	0	22.13	22.53	21.88	22.9
5	16QAM	1	12	22.26	22.17	22.36	
5	16QAM	1	24	21.95	22.04	21.72	
5	16QAM	12	0	20.96	21.32	21.20	21.9
5	16QAM	12	7	21.03	21.03	21.12	
5	16QAM	12	13	21.07	21.04	20.89	
5	16QAM	25	0	21.24	21.04	21.10	
5	64QAM	1	0	20.88	20.80	20.80	21.9
5	64QAM	1	12	20.75	20.73	20.90	
5	64QAM	1	24	20.61	20.74	20.26	
5	64QAM	12	0	20.29	20.19	20.22	20.9
5	64QAM	12	7	20.12	20.07	19.91	
5	64QAM	12	13	19.98	20.09	20.07	
5	64QAM	25	0	20.19	19.96	20.25	
5	256QAM	1	0	17.90	18.03	18.08	18.9
5	256QAM	1	12	17.83	17.79	17.87	
5	256QAM	1	24	17.70	17.68	17.86	
5	256QAM	12	0	17.98	18.16	18.10	18.9
5	256QAM	12	7	18.02	17.94	18.23	
5	256QAM	12	13	18.05	18.08	18.28	
5	256QAM	25	0	17.77	18.10	18.18	



<LTE Band 38\_Ant 0\_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	18.71	18.99	19.15	19.3
20	QPSK	1	49	18.83	18.87	19.03	
20	QPSK	1	99	18.90	18.70	18.95	
20	QPSK	50	0	18.89	19.05	19.01	19.3
20	QPSK	50	24	18.90	18.96	18.93	
20	QPSK	50	50	18.88	18.91	18.95	
20	QPSK	100	0	18.94	18.96	19.13	
20	16QAM	1	0	18.47	18.73	19.05	19.3
20	16QAM	1	49	18.49	18.83	18.81	
20	16QAM	1	99	18.56	18.63	18.93	
20	16QAM	50	0	18.13	18.16	18.22	19.3
20	16QAM	50	24	18.10	18.09	18.12	
20	16QAM	50	50	18.13	18.32	18.14	
20	16QAM	100	0	18.08	18.16	18.23	
20	64QAM	1	0	18.74	19.01	18.81	19.3
20	64QAM	1	49	18.41	18.80	18.91	
20	64QAM	1	99	18.42	18.82	19.02	
20	64QAM	50	0	18.08	18.22	18.29	19.3
20	64QAM	50	24	18.16	18.13	18.07	
20	64QAM	50	50	17.96	18.04	18.09	
20	64QAM	100	0	18.06	18.16	18.22	
20	256QAM	1	0	17.17	17.16	17.37	18.5
20	256QAM	1	49	16.99	17.07	17.26	
20	256QAM	1	99	16.94	17.03	17.27	
20	256QAM	50	0	17.36	17.48	17.58	18.5
20	256QAM	50	24	17.38	17.43	17.60	
20	256QAM	50	50	17.42	17.36	17.66	
20	256QAM	100	0	17.27	17.30	17.46	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	18.73	18.90	19.08	19.3
15	QPSK	1	37	18.77	18.85	18.94	
15	QPSK	1	74	18.70	18.77	18.80	
15	QPSK	36	0	18.85	18.95	18.85	19.3
15	QPSK	36	20	18.74	18.73	18.84	
15	QPSK	36	39	18.94	18.84	18.84	
15	QPSK	75	0	18.89	18.80	19.00	
15	16QAM	1	0	18.32	18.56	19.00	19.3
15	16QAM	1	37	18.32	18.77	18.69	
15	16QAM	1	74	18.54	18.53	18.90	
15	16QAM	36	0	17.98	18.19	18.02	19.3
15	16QAM	36	20	17.90	18.06	18.12	
15	16QAM	36	39	18.07	18.17	17.96	
15	16QAM	75	0	18.03	18.01	18.15	
15	64QAM	1	0	18.64	18.75	18.67	19.3
15	64QAM	1	37	18.58	18.63	18.91	
15	64QAM	1	74	18.46	18.73	18.93	
15	64QAM	36	0	17.99	17.99	18.15	19.3
15	64QAM	36	20	18.06	17.95	17.90	
15	64QAM	36	39	17.83	17.82	18.01	
15	64QAM	75	0	18.09	18.10	18.04	
15	256QAM	1	0	16.97	17.19	17.43	18.5
15	256QAM	1	37	16.92	16.93	17.27	
15	256QAM	1	74	16.87	16.96	17.09	
15	256QAM	36	0	17.28	17.28	17.46	18.5
15	256QAM	36	20	17.29	17.40	17.50	



**FCC SAR TEST REPORT**

**Report No. :FA2D0206-01F**

15	256QAM	36	39	17.36	17.40	17.61	
15	256QAM	75	0	17.02	17.28	17.43	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	18.62	18.95	18.95	19.3
10	QPSK	1	25	18.73	18.68	18.90	
10	QPSK	1	49	18.85	18.72	18.69	
10	QPSK	25	0	18.67	18.90	18.96	19.3
10	QPSK	25	12	18.78	18.84	18.87	
10	QPSK	25	25	18.81	18.78	18.72	
10	QPSK	50	0	18.82	18.92	18.95	
10	16QAM	1	0	18.44	18.65	19.08	
10	16QAM	1	25	18.41	18.66	18.52	19.3
10	16QAM	1	49	18.33	18.41	18.85	
10	16QAM	25	0	18.03	18.09	18.16	19.3
10	16QAM	25	12	17.97	17.98	18.15	
10	16QAM	25	25	18.16	18.30	18.09	
10	16QAM	50	0	17.99	18.06	18.08	
10	64QAM	1	0	18.59	18.86	18.73	
10	64QAM	1	25	18.48	18.63	18.98	19.3
10	64QAM	1	49	18.48	18.73	18.98	
10	64QAM	25	0	17.89	18.09	18.20	
10	64QAM	25	12	18.03	18.01	17.94	19.3
10	64QAM	25	25	18.01	17.98	17.98	
10	64QAM	50	0	18.00	18.01	17.97	
10	256QAM	1	0	16.95	16.97	17.30	
10	256QAM	1	25	16.93	17.07	17.19	
10	256QAM	1	49	16.94	16.98	17.07	18.5
10	256QAM	25	0	17.21	17.27	17.52	
10	256QAM	25	12	17.35	17.34	17.48	
10	256QAM	25	25	17.37	17.19	17.54	
10	256QAM	50	0	17.08	17.25	17.44	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	18.73	18.90	19.05	19.3
5	QPSK	1	12	18.79	18.68	18.93	
5	QPSK	1	24	18.91	18.70	18.84	
5	QPSK	12	0	18.69	19.07	18.92	19.3
5	QPSK	12	7	18.79	18.79	18.88	
5	QPSK	12	13	18.91	18.91	18.86	
5	QPSK	25	0	18.73	18.78	18.93	
5	16QAM	1	0	18.36	18.75	19.08	
5	16QAM	1	12	18.28	18.66	18.63	19.3
5	16QAM	1	24	18.43	18.50	18.98	
5	16QAM	12	0	18.02	18.03	18.26	
5	16QAM	12	7	17.85	17.99	18.14	19.3
5	16QAM	12	13	18.08	18.18	18.13	
5	16QAM	25	0	17.94	18.23	18.13	
5	64QAM	1	0	18.75	18.76	18.76	
5	64QAM	1	12	18.52	18.71	18.84	
5	64QAM	1	24	18.50	18.82	18.93	19.3
5	64QAM	12	0	17.91	18.08	18.20	
5	64QAM	12	7	17.96	18.13	17.85	
5	64QAM	12	13	17.82	17.89	18.00	
5	64QAM	25	0	17.87	18.04	18.01	
5	256QAM	1	0	17.11	17.07	17.37	18.5
5	256QAM	1	12	16.90	17.10	17.06	
5	256QAM	1	24	16.85	16.94	17.18	
5	256QAM	12	0	17.16	17.32	17.43	
5	256QAM	12	7	17.20	17.24	17.47	
5	256QAM	12	13	17.19	17.29	17.55	18.5
5	256QAM	25	0	17.20	17.20	17.29	



<LTE Band 38\_Ant 2\_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	22.72	22.79	22.77	23.9
20	QPSK	1	49	22.53	22.73	22.69	
20	QPSK	1	99	22.64	22.76	22.62	
20	QPSK	50	0	22.30	22.35	22.23	22.9
20	QPSK	50	24	22.19	22.13	22.08	
20	QPSK	50	50	22.11	22.25	21.97	
20	QPSK	100	0	22.27	22.25	22.16	
20	16QAM	1	0	22.29	22.71	22.00	22.9
20	16QAM	1	49	22.42	22.18	22.40	
20	16QAM	1	99	22.01	22.24	21.92	
20	16QAM	50	0	21.15	21.41	21.36	21.9
20	16QAM	50	24	21.13	21.06	21.17	
20	16QAM	50	50	21.10	21.11	21.01	
20	16QAM	100	0	21.27	21.20	21.11	
20	64QAM	1	0	20.91	20.83	20.81	21.9
20	64QAM	1	49	20.84	20.89	21.06	
20	64QAM	1	99	20.75	20.82	20.43	
20	64QAM	50	0	20.30	20.22	20.24	20.9
20	64QAM	50	24	20.25	20.27	20.10	
20	64QAM	50	50	20.17	20.10	20.13	
20	64QAM	100	0	20.25	20.12	20.25	
20	256QAM	1	0	18.04	18.17	18.18	18.9
20	256QAM	1	49	17.91	17.91	17.88	
20	256QAM	1	99	17.88	17.84	18.02	
20	256QAM	50	0	18.08	18.26	18.25	18.9
20	256QAM	50	24	18.06	18.11	18.31	
20	256QAM	50	50	18.11	18.13	18.28	
20	256QAM	100	0	17.94	18.12	18.18	
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	22.55	22.78	22.58	23.9
15	QPSK	1	37	22.36	22.66	22.57	
15	QPSK	1	74	22.49	22.57	22.50	
15	QPSK	36	0	22.22	22.20	22.18	22.9
15	QPSK	36	20	22.03	21.93	21.88	
15	QPSK	36	39	22.11	22.20	21.82	
15	QPSK	75	0	22.15	22.06	21.97	22.9
15	16QAM	1	0	22.11	22.66	21.82	
15	16QAM	1	37	22.37	21.98	22.34	
15	16QAM	1	74	21.92	22.12	21.75	
15	16QAM	36	0	21.03	21.30	21.30	21.9
15	16QAM	36	20	21.06	20.99	21.14	
15	16QAM	36	39	20.95	21.01	20.81	
15	16QAM	75	0	21.18	21.07	20.93	21.9
15	64QAM	1	0	20.86	20.70	20.75	
15	64QAM	1	37	20.66	20.69	21.02	
15	64QAM	1	74	20.75	20.62	20.29	
15	64QAM	36	0	20.29	20.19	20.23	20.9
15	64QAM	36	20	20.18	20.24	19.94	
15	64QAM	36	39	19.99	20.05	20.05	
15	64QAM	75	0	20.10	19.99	20.16	18.9
15	256QAM	1	0	17.91	18.04	18.03	
15	256QAM	1	37	17.84	17.74	17.70	
15	256QAM	1	74	17.86	17.77	17.86	
15	256QAM	36	0	17.94	18.19	18.08	18.9
15	256QAM	36	20	17.96	18.09	18.27	





**FCC SAR TEST REPORT**

**Report No. :FA2D0206-01F**

15	256QAM	36	39	18.11	17.99	18.15	
15	256QAM	75	0	17.76	17.97	18.18	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	22.66	22.62	22.57	23.9
10	QPSK	1	25	22.47	22.62	22.58	
10	QPSK	1	49	22.45	22.56	22.53	
10	QPSK	25	0	22.23	22.18	22.12	22.9
10	QPSK	25	12	22.08	22.13	22.08	
10	QPSK	25	25	22.01	22.12	21.93	
10	QPSK	50	0	22.23	22.23	22.06	
10	16QAM	1	0	22.11	22.53	21.82	22.9
10	16QAM	1	25	22.31	22.09	22.30	
10	16QAM	1	49	21.82	22.24	21.77	
10	16QAM	25	0	21.06	21.39	21.28	21.9
10	16QAM	25	12	21.13	20.86	21.01	
10	16QAM	25	25	21.08	20.92	20.98	
10	16QAM	50	0	21.15	21.07	21.05	
10	64QAM	1	0	20.76	20.78	20.79	21.9
10	64QAM	1	25	20.66	20.85	20.89	
10	64QAM	1	49	20.62	20.70	20.39	
10	64QAM	25	0	20.27	20.10	20.18	20.9
10	64QAM	25	12	20.06	20.13	20.03	
10	64QAM	25	25	20.13	20.00	19.99	
10	64QAM	50	0	20.09	19.94	20.20	
10	256QAM	1	0	18.03	17.97	18.18	18.9
10	256QAM	1	25	17.85	17.81	17.88	
10	256QAM	1	49	17.80	17.74	17.89	
10	256QAM	25	0	17.91	18.22	18.20	18.9
10	256QAM	25	12	17.88	18.10	18.20	
10	256QAM	25	25	17.98	18.01	18.24	
10	256QAM	50	0	17.88	17.94	18.14	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	22.71	22.75	22.73	23.9
5	QPSK	1	12	22.36	22.70	22.49	
5	QPSK	1	24	22.63	22.75	22.43	
5	QPSK	12	0	22.27	22.31	22.08	22.9
5	QPSK	12	7	22.19	22.08	21.96	
5	QPSK	12	13	22.07	22.15	21.78	
5	QPSK	25	0	22.14	22.10	22.00	
5	16QAM	1	0	22.13	22.53	21.88	22.9
5	16QAM	1	12	22.26	22.17	22.36	
5	16QAM	1	24	21.95	22.04	21.72	
5	16QAM	12	0	20.96	21.32	21.20	21.9
5	16QAM	12	7	21.03	21.03	21.12	
5	16QAM	12	13	21.07	21.04	20.89	
5	16QAM	25	0	21.24	21.04	21.10	
5	64QAM	1	0	20.88	20.80	20.80	21.9
5	64QAM	1	12	20.75	20.73	20.90	
5	64QAM	1	24	20.61	20.74	20.26	
5	64QAM	12	0	20.29	20.19	20.22	20.9
5	64QAM	12	7	20.12	20.07	19.91	
5	64QAM	12	13	19.98	20.09	20.07	
5	64QAM	25	0	20.19	19.96	20.25	
5	256QAM	1	0	17.90	18.03	18.08	18.9
5	256QAM	1	12	17.83	17.79	17.87	
5	256QAM	1	24	17.70	17.68	17.86	
5	256QAM	12	0	17.98	18.16	18.10	18.9
5	256QAM	12	7	18.02	17.94	18.23	
5	256QAM	12	13	18.05	18.08	18.28	
5	256QAM	25	0	17.77	18.10	18.18	



<LTE Band 38\_Ant 0\_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	21.99	22.28	22.37	23.1
20	QPSK	1	49	22.07	22.11	22.25	
20	QPSK	1	99	22.16	22.00	22.15	
20	QPSK	50	0	21.14	21.30	21.31	22.5
20	QPSK	50	24	21.20	21.16	21.19	
20	QPSK	50	50	21.17	21.19	21.20	
20	QPSK	100	0	21.17	21.21	21.34	22.5
20	16QAM	1	0	20.69	20.97	21.63	
20	16QAM	1	49	20.70	21.03	21.02	
20	16QAM	1	99	20.79	20.86	21.22	21.5
20	16QAM	50	0	20.15	20.22	20.32	
20	16QAM	50	24	20.10	20.19	20.20	
20	16QAM	50	50	20.20	20.38	20.20	21.5
20	16QAM	100	0	20.09	20.26	20.26	
20	64QAM	1	0	19.83	20.01	19.91	
20	64QAM	1	49	19.50	19.85	20.00	21.5
20	64QAM	1	99	19.51	19.87	20.12	
20	64QAM	50	0	19.08	19.26	19.33	
20	64QAM	50	24	19.17	19.22	19.14	20.5
20	64QAM	50	50	19.04	19.10	19.16	
20	64QAM	100	0	19.15	19.21	19.24	
20	256QAM	1	0	17.19	17.22	17.47	18.5
20	256QAM	1	49	17.05	17.13	17.34	
20	256QAM	1	99	17.03	17.10	17.34	
20	256QAM	50	0	17.39	17.49	17.68	18.5
20	256QAM	50	24	17.38	17.44	17.61	
20	256QAM	50	50	17.43	17.46	17.71	
20	256QAM	100	0	17.29	17.40	17.56	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	21.93	22.20	22.35	23.1
15	QPSK	1	37	22.07	22.08	22.15	
15	QPSK	1	74	21.99	21.97	22.01	
15	QPSK	36	0	21.05	21.24	21.14	22.5
15	QPSK	36	20	21.02	21.00	21.07	
15	QPSK	36	39	21.16	21.12	21.07	
15	QPSK	75	0	21.12	21.10	21.25	22.5
15	16QAM	1	0	20.52	20.85	21.55	
15	16QAM	1	37	20.60	20.97	20.97	
15	16QAM	1	74	20.76	20.77	21.20	21.5
15	16QAM	36	0	20.04	20.21	20.12	
15	16QAM	36	20	19.97	20.16	20.15	
15	16QAM	36	39	20.08	20.21	20.06	21.5
15	16QAM	75	0	20.08	20.11	20.17	
15	64QAM	1	0	19.67	19.82	19.73	
15	64QAM	1	37	19.60	19.66	19.95	21.5
15	64QAM	1	74	19.53	19.76	19.94	
15	64QAM	36	0	19.05	19.06	19.17	
15	64QAM	36	20	19.09	19.03	18.95	20.5
15	64QAM	36	39	18.92	18.91	19.03	
15	64QAM	75	0	19.14	19.18	19.09	
15	256QAM	1	0	17.00	17.19	17.43	18.5
15	256QAM	1	37	16.95	17.02	17.32	
15	256QAM	1	74	16.95	17.02	17.14	
15	256QAM	36	0	17.35	17.36	17.52	18.5
15	256QAM	36	20	17.32	17.43	17.50	



**FCC SAR TEST REPORT**

**Report No. :FA2D0206-01F**

15	256QAM	36	39	17.40	17.40	17.68	
15	256QAM	75	0	17.09	17.33	17.45	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	21.82	22.25	22.20	23.1
10	QPSK	1	25	21.96	21.91	22.19	
10	QPSK	1	49	22.12	21.92	21.99	
10	QPSK	25	0	20.95	21.16	21.22	22.5
10	QPSK	25	12	21.04	21.06	21.13	
10	QPSK	25	25	21.06	21.02	21.02	
10	QPSK	50	0	21.10	21.18	21.20	
10	16QAM	1	0	20.65	20.90	21.51	22.5
10	16QAM	1	25	20.65	20.86	20.82	
10	16QAM	1	49	20.61	20.70	21.08	
10	16QAM	25	0	20.05	20.15	20.26	21.5
10	16QAM	25	12	20.06	20.07	20.16	
10	16QAM	25	25	20.16	20.37	20.11	
10	16QAM	50	0	20.04	20.07	20.12	
10	64QAM	1	0	19.64	19.95	19.80	21.5
10	64QAM	1	25	19.54	19.73	19.98	
10	64QAM	1	49	19.51	19.78	20.05	
10	64QAM	25	0	18.94	19.18	19.24	20.5
10	64QAM	25	12	19.12	19.05	18.96	
10	64QAM	25	25	19.03	19.05	19.08	
10	64QAM	50	0	19.01	19.03	19.04	
10	256QAM	1	0	17.03	17.04	17.37	18.5
10	256QAM	1	25	17.03	17.12	17.25	
10	256QAM	1	49	16.98	17.05	17.14	
10	256QAM	25	0	17.30	17.35	17.61	18.5
10	256QAM	25	12	17.35	17.39	17.48	
10	256QAM	25	25	17.43	17.29	17.57	
10	256QAM	50	0	17.14	17.35	17.44	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	21.95	22.19	22.27	23.1
5	QPSK	1	12	22.00	21.95	22.20	
5	QPSK	1	24	22.13	21.97	22.06	
5	QPSK	12	0	20.97	21.29	21.16	22.5
5	QPSK	12	7	21.05	21.02	21.16	
5	QPSK	12	13	21.14	21.12	21.14	
5	QPSK	25	0	20.99	21.06	21.17	
5	16QAM	1	0	20.59	20.96	21.54	22.5
5	16QAM	1	12	20.51	20.87	20.93	
5	16QAM	1	24	20.68	20.80	21.19	
5	16QAM	12	0	20.07	20.03	20.26	21.5
5	16QAM	12	7	19.94	20.01	20.14	
5	16QAM	12	13	20.14	20.27	20.16	
5	16QAM	25	0	19.96	20.23	20.20	
5	64QAM	1	0	19.77	19.84	19.77	21.5
5	64QAM	1	12	19.53	19.71	19.86	
5	64QAM	1	24	19.59	19.83	20.02	
5	64QAM	12	0	19.00	19.17	19.29	20.5
5	64QAM	12	7	19.04	19.22	18.94	
5	64QAM	12	13	18.89	18.94	19.01	
5	64QAM	25	0	18.96	19.06	19.09	
5	256QAM	1	0	17.15	17.13	17.45	18.5
5	256QAM	1	12	16.98	17.10	17.14	
5	256QAM	1	24	16.94	17.00	17.24	
5	256QAM	12	0	17.19	17.37	17.51	18.5
5	256QAM	12	7	17.22	17.32	17.56	
5	256QAM	12	13	17.27	17.31	17.57	
5	256QAM	25	0	17.29	17.30	17.39	



<LTE Band 38\_Ant 0\_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	21.99	22.28	22.37	22.4
20	QPSK	1	49	22.07	22.11	22.25	
20	QPSK	1	99	22.16	22.00	22.15	
20	QPSK	50	0	21.14	21.30	21.31	22.4
20	QPSK	50	24	21.20	21.16	21.19	
20	QPSK	50	50	21.17	21.19	21.20	
20	QPSK	100	0	21.17	21.21	21.34	22.4
20	16QAM	1	0	20.69	20.97	21.63	
20	16QAM	1	49	20.70	21.03	21.02	
20	16QAM	1	99	20.79	20.86	21.22	21.5
20	16QAM	50	0	20.15	20.22	20.32	
20	16QAM	50	24	20.10	20.19	20.20	
20	16QAM	50	50	20.20	20.38	20.20	21.5
20	16QAM	100	0	20.09	20.26	20.26	
20	64QAM	1	0	19.83	20.01	19.91	
20	64QAM	1	49	19.50	19.85	20.00	21.5
20	64QAM	1	99	19.51	19.87	20.12	
20	64QAM	50	0	19.08	19.26	19.33	
20	64QAM	50	24	19.17	19.22	19.14	20.5
20	64QAM	50	50	19.04	19.10	19.16	
20	64QAM	100	0	19.15	19.21	19.24	
20	256QAM	1	0	17.19	17.22	17.47	18.5
20	256QAM	1	49	17.05	17.13	17.34	
20	256QAM	1	99	17.03	17.10	17.34	
20	256QAM	50	0	17.39	17.49	17.68	18.5
20	256QAM	50	24	17.38	17.44	17.61	
20	256QAM	50	50	17.43	17.46	17.71	
20	256QAM	100	0	17.29	17.40	17.56	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	21.93	22.20	22.35	22.4
15	QPSK	1	37	22.07	22.08	22.15	
15	QPSK	1	74	21.99	21.97	22.01	
15	QPSK	36	0	21.05	21.24	21.14	22.4
15	QPSK	36	20	21.02	21.00	21.07	
15	QPSK	36	39	21.16	21.12	21.07	
15	QPSK	75	0	21.12	21.10	21.25	22.4
15	16QAM	1	0	20.52	20.85	21.55	
15	16QAM	1	37	20.60	20.97	20.97	
15	16QAM	1	74	20.76	20.77	21.20	21.5
15	16QAM	36	0	20.04	20.21	20.12	
15	16QAM	36	20	19.97	20.16	20.15	
15	16QAM	36	39	20.08	20.21	20.06	21.5
15	16QAM	75	0	20.08	20.11	20.17	
15	64QAM	1	0	19.67	19.82	19.73	
15	64QAM	1	37	19.60	19.66	19.95	21.5
15	64QAM	1	74	19.53	19.76	19.94	
15	64QAM	36	0	19.05	19.06	19.17	
15	64QAM	36	20	19.09	19.03	18.95	20.5
15	64QAM	36	39	18.92	18.91	19.03	
15	64QAM	75	0	19.14	19.18	19.09	
15	256QAM	1	0	17.00	17.19	17.43	18.5
15	256QAM	1	37	16.95	17.02	17.32	
15	256QAM	1	74	16.95	17.02	17.14	
15	256QAM	36	0	17.35	17.36	17.52	18.5
15	256QAM	36	20	17.32	17.43	17.50	



**FCC SAR TEST REPORT**

**Report No. :FA2D0206-01F**

15	256QAM	36	39	17.40	17.40	17.68	
15	256QAM	75	0	17.09	17.33	17.45	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	21.82	22.25	22.20	22.4
10	QPSK	1	25	21.96	21.91	22.19	
10	QPSK	1	49	22.12	21.92	21.99	
10	QPSK	25	0	20.95	21.16	21.22	22.4
10	QPSK	25	12	21.04	21.06	21.13	
10	QPSK	25	25	21.06	21.02	21.02	
10	QPSK	50	0	21.10	21.18	21.20	
10	16QAM	1	0	20.65	20.90	21.51	
10	16QAM	1	25	20.65	20.86	20.82	22.4
10	16QAM	1	49	20.61	20.70	21.08	
10	16QAM	25	0	20.05	20.15	20.26	
10	16QAM	25	12	20.06	20.07	20.16	21.5
10	16QAM	25	25	20.16	20.37	20.11	
10	16QAM	50	0	20.04	20.07	20.12	
10	64QAM	1	0	19.64	19.95	19.80	
10	64QAM	1	25	19.54	19.73	19.98	21.5
10	64QAM	1	49	19.51	19.78	20.05	
10	64QAM	25	0	18.94	19.18	19.24	
10	64QAM	25	12	19.12	19.05	18.96	20.5
10	64QAM	25	25	19.03	19.05	19.08	
10	64QAM	50	0	19.01	19.03	19.04	
10	256QAM	1	0	17.03	17.04	17.37	
10	256QAM	1	25	17.03	17.12	17.25	18.5
10	256QAM	1	49	16.98	17.05	17.14	
10	256QAM	25	0	17.30	17.35	17.61	
10	256QAM	25	12	17.35	17.39	17.48	18.5
10	256QAM	25	25	17.43	17.29	17.57	
10	256QAM	50	0	17.14	17.35	17.44	
Channel				37775	38000	38225	
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	21.95	22.19	22.27	22.4
5	QPSK	1	12	22.00	21.95	22.20	
5	QPSK	1	24	22.13	21.97	22.06	
5	QPSK	12	0	20.97	21.29	21.16	22.4
5	QPSK	12	7	21.05	21.02	21.16	
5	QPSK	12	13	21.14	21.12	21.14	
5	QPSK	25	0	20.99	21.06	21.17	
5	16QAM	1	0	20.59	20.96	21.54	
5	16QAM	1	12	20.51	20.87	20.93	22.4
5	16QAM	1	24	20.68	20.80	21.19	
5	16QAM	12	0	20.07	20.03	20.26	
5	16QAM	12	7	19.94	20.01	20.14	21.5
5	16QAM	12	13	20.14	20.27	20.16	
5	16QAM	25	0	19.96	20.23	20.20	
5	64QAM	1	0	19.77	19.84	19.77	
5	64QAM	1	12	19.53	19.71	19.86	21.5
5	64QAM	1	24	19.59	19.83	20.02	
5	64QAM	12	0	19.00	19.17	19.29	
5	64QAM	12	7	19.04	19.22	18.94	20.5
5	64QAM	12	13	18.89	18.94	19.01	
5	64QAM	25	0	18.96	19.06	19.09	
5	256QAM	1	0	17.15	17.13	17.45	
5	256QAM	1	12	16.98	17.10	17.14	18.5
5	256QAM	1	24	16.94	17.00	17.24	
5	256QAM	12	0	17.19	17.37	17.51	
5	256QAM	12	7	17.22	17.32	17.56	18.5
5	256QAM	12	13	17.27	17.31	17.57	
5	256QAM	25	0	17.29	17.30	17.39	



<LTE Band 38\_HPUE\_Ant 2\_Index 2/3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	26.16	26.19	26.24	26.9
20	QPSK	1	49	26.19	26.23	26.23	
20	QPSK	1	99	26.06	25.94	26.08	
20	QPSK	50	0	25.22	25.19	25.26	25.9
20	QPSK	50	24	25.18	25.18	25.11	
20	QPSK	50	50	25.11	25.16	25.03	
20	QPSK	100	0	25.12	25.20	25.13	25.9
20	16QAM	1	0	25.31	25.60	25.56	
20	16QAM	1	49	25.28	25.43	25.45	
20	16QAM	1	99	25.19	25.21	25.34	24.9
20	16QAM	50	0	24.21	24.24	24.26	
20	16QAM	50	24	24.16	24.15	24.23	
20	16QAM	50	50	24.13	24.07	24.04	24.9
20	16QAM	100	0	24.24	24.09	24.12	
20	64QAM	1	0	24.10	24.22	24.23	
20	64QAM	1	49	23.88	24.00	24.05	24.9
20	64QAM	1	99	23.88	23.88	23.98	
20	64QAM	50	0	23.22	23.17	23.13	
20	64QAM	50	24	23.18	23.18	23.11	23.9
20	64QAM	50	50	23.11	23.06	23.05	
20	64QAM	100	0	23.22	23.15	23.06	
20	256QAM	1	0	21.33	21.42	21.55	21.9
20	256QAM	1	49	21.27	21.42	21.54	
20	256QAM	1	99	21.12	21.22	21.32	
20	256QAM	50	0	21.02	21.20	21.26	21.9
20	256QAM	50	24	21.08	21.19	21.22	
20	256QAM	50	50	20.92	21.11	21.17	
20	256QAM	100	0	20.94	21.10	21.15	
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	26.06	26.04	26.23	26.9
15	QPSK	1	37	26.07	26.09	26.05	
15	QPSK	1	74	25.97	25.77	26.00	
15	QPSK	36	0	25.18	25.13	25.26	25.9
15	QPSK	36	20	24.99	25.10	25.07	
15	QPSK	36	39	24.93	25.10	25.00	
15	QPSK	75	0	25.10	25.05	25.13	25.9
15	16QAM	1	0	25.21	25.49	25.50	
15	16QAM	1	37	25.09	25.35	25.42	
15	16QAM	1	74	24.99	25.20	25.23	24.9
15	16QAM	36	0	24.04	24.06	24.06	
15	16QAM	36	20	24.05	24.15	24.13	
15	16QAM	36	39	23.99	23.87	23.92	24.9
15	16QAM	75	0	24.21	23.93	23.98	
15	64QAM	1	0	23.95	24.13	24.15	
15	64QAM	1	37	23.81	24.00	23.89	24.9
15	64QAM	1	74	23.85	23.87	23.85	
15	64QAM	36	0	23.17	23.06	22.94	
15	64QAM	36	20	23.13	23.10	22.98	23.9
15	64QAM	36	39	23.06	23.02	22.96	
15	64QAM	75	0	23.16	23.00	23.05	
15	256QAM	1	0	21.29	21.38	21.43	21.9
15	256QAM	1	37	21.13	21.36	21.51	
15	256QAM	1	74	20.99	21.04	21.32	
15	256QAM	36	0	20.84	21.03	21.11	21.9
15	256QAM	36	20	20.93	21.17	21.16	



**FCC SAR TEST REPORT**

**Report No. :FA2D0206-01F**

15	256QAM	36	39	20.77	21.06	21.14	
15	256QAM	75	0	20.88	21.04	20.95	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	26.08	26.19	26.17	26.9
10	QPSK	1	25	26.18	26.06	26.14	
10	QPSK	1	49	25.92	25.79	26.00	
10	QPSK	25	0	25.15	25.17	25.21	25.9
10	QPSK	25	12	25.12	25.10	25.07	
10	QPSK	25	25	25.07	25.04	24.96	
10	QPSK	50	0	25.07	25.17	24.98	
10	16QAM	1	0	25.12	25.59	25.47	25.9
10	16QAM	1	25	25.13	25.34	25.28	
10	16QAM	1	49	25.18	25.13	25.15	
10	16QAM	25	0	24.06	24.16	24.06	24.9
10	16QAM	25	12	24.00	24.00	24.16	
10	16QAM	25	25	23.99	23.96	23.84	
10	16QAM	50	0	24.19	24.09	24.12	
10	64QAM	1	0	24.08	24.07	24.07	24.9
10	64QAM	1	25	23.84	23.90	23.89	
10	64QAM	1	49	23.84	23.88	23.83	
10	64QAM	25	0	23.11	23.06	23.07	23.9
10	64QAM	25	12	22.99	23.09	23.06	
10	64QAM	25	25	22.96	22.97	23.05	
10	64QAM	50	0	23.12	22.99	22.87	
10	256QAM	1	0	21.22	21.39	21.42	21.9
10	256QAM	1	25	21.24	21.35	21.38	
10	256QAM	1	49	20.95	21.21	21.13	
10	256QAM	25	0	21.02	21.13	21.13	21.9
10	256QAM	25	12	21.02	21.11	21.09	
10	256QAM	25	25	20.75	21.11	21.04	
10	256QAM	50	0	20.87	20.97	21.06	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	26.03	26.09	26.19	26.9
5	QPSK	1	12	26.16	26.19	26.10	
5	QPSK	1	24	25.92	25.74	25.98	
5	QPSK	12	0	25.10	25.10	25.26	25.9
5	QPSK	12	7	24.98	25.17	24.91	
5	QPSK	12	13	25.04	25.13	24.90	
5	QPSK	25	0	25.09	25.11	25.11	
5	16QAM	1	0	25.30	25.56	25.50	25.9
5	16QAM	1	12	25.11	25.23	25.32	
5	16QAM	1	24	24.99	25.05	25.30	
5	16QAM	12	0	24.14	24.15	24.15	24.9
5	16QAM	12	7	24.10	24.02	24.12	
5	16QAM	12	13	23.98	23.94	23.98	
5	16QAM	25	0	24.20	23.99	24.03	
5	64QAM	1	0	24.04	24.22	24.10	24.9
5	64QAM	1	12	23.72	23.88	24.02	
5	64QAM	1	24	23.85	23.80	23.88	
5	64QAM	12	0	23.14	23.16	23.07	23.9
5	64QAM	12	7	23.10	23.13	22.96	
5	64QAM	12	13	23.04	22.88	23.00	
5	64QAM	25	0	23.19	23.00	23.01	
5	256QAM	1	0	21.16	21.41	21.54	21.9
5	256QAM	1	12	21.24	21.37	21.48	
5	256QAM	1	24	20.95	21.03	21.17	
5	256QAM	12	0	20.86	21.03	21.25	21.9
5	256QAM	12	7	20.90	21.13	21.10	
5	256QAM	12	13	20.80	20.98	20.98	
5	256QAM	25	0	20.74	20.95	21.15	



<LTE Band 38\_HPUE\_Ant 0\_Index 2/3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	25.04	25.25	25.33	26.5
20	QPSK	1	49	25.03	25.23	25.29	
20	QPSK	1	99	25.07	25.09	25.12	
20	QPSK	50	0	24.25	24.36	24.36	25.5
20	QPSK	50	24	24.22	24.36	24.08	
20	QPSK	50	50	24.18	24.31	24.27	
20	QPSK	100	0	24.25	24.26	24.26	
20	16QAM	1	0	24.56	24.63	24.76	25.5
20	16QAM	1	49	24.59	24.51	24.63	
20	16QAM	1	99	24.43	24.46	24.48	
20	16QAM	50	0	23.23	23.33	23.35	24.5
20	16QAM	50	24	23.22	23.34	23.32	
20	16QAM	50	50	23.40	23.28	23.20	
20	16QAM	100	0	23.25	23.36	23.26	
20	64QAM	1	0	23.42	23.64	23.70	24.5
20	64QAM	1	49	23.39	23.55	23.52	
20	64QAM	1	99	23.46	23.47	23.40	
20	64QAM	50	0	22.22	22.36	22.38	23.5
20	64QAM	50	24	22.32	22.39	22.35	
20	64QAM	50	50	22.28	22.28	22.24	
20	64QAM	100	0	22.26	22.33	22.22	
20	256QAM	1	0	20.23	20.39	20.36	21.5
20	256QAM	1	49	20.14	20.32	20.24	
20	256QAM	1	99	19.99	20.24	20.17	
20	256QAM	50	0	20.28	20.46	20.38	21.5
20	256QAM	50	24	20.26	20.45	20.36	
20	256QAM	50	50	20.13	20.38	20.35	
20	256QAM	100	0	20.14	20.36	20.28	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	25.04	25.05	25.15	26.5
15	QPSK	1	37	24.90	25.22	25.28	
15	QPSK	1	74	25.00	25.04	25.05	
15	QPSK	36	0	24.19	24.33	24.34	25.5
15	QPSK	36	20	24.07	24.25	23.96	
15	QPSK	36	39	24.04	24.27	24.12	
15	QPSK	75	0	24.20	24.15	24.18	
15	16QAM	1	0	24.46	24.44	24.68	25.5
15	16QAM	1	37	24.51	24.33	24.53	
15	16QAM	1	74	24.38	24.35	24.41	
15	16QAM	36	0	23.15	23.27	23.15	24.5
15	16QAM	36	20	23.17	23.21	23.22	
15	16QAM	36	39	23.32	23.13	23.02	
15	16QAM	75	0	23.20	23.31	23.07	
15	64QAM	1	0	23.26	23.54	23.62	24.5
15	64QAM	1	37	23.26	23.36	23.44	
15	64QAM	1	74	23.44	23.32	23.37	
15	64QAM	36	0	22.22	22.21	22.26	23.5
15	64QAM	36	20	22.22	22.38	22.23	
15	64QAM	36	39	22.25	22.12	22.11	
15	64QAM	75	0	22.15	22.13	22.11	
15	256QAM	1	0	20.07	20.27	20.29	21.5
15	256QAM	1	37	20.01	20.22	20.11	
15	256QAM	1	74	19.83	20.20	20.11	
15	256QAM	36	0	20.24	20.38	20.34	21.5
15	256QAM	36	20	20.23	20.31	20.24	





**FCC SAR TEST REPORT**

**Report No. :FA2D0206-01F**

15	256QAM	36	39	20.07	20.27	20.20	
15	256QAM	75	0	19.97	20.33	20.27	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	24.89	25.10	25.21	26.5
10	QPSK	1	25	24.97	25.03	25.15	
10	QPSK	1	49	24.99	24.96	25.07	
10	QPSK	25	0	24.12	24.29	24.23	25.5
10	QPSK	25	12	24.03	24.27	23.94	
10	QPSK	25	25	24.16	24.19	24.12	
10	QPSK	50	0	24.19	24.19	24.11	
10	16QAM	1	0	24.46	24.62	24.67	25.5
10	16QAM	1	25	24.57	24.44	24.44	
10	16QAM	1	49	24.23	24.36	24.45	
10	16QAM	25	0	23.13	23.16	23.29	24.5
10	16QAM	25	12	23.09	23.21	23.24	
10	16QAM	25	25	23.22	23.13	23.02	
10	16QAM	50	0	23.20	23.17	23.18	
10	64QAM	1	0	23.27	23.55	23.59	24.5
10	64QAM	1	25	23.20	23.47	23.49	
10	64QAM	1	49	23.40	23.36	23.24	
10	64QAM	25	0	22.07	22.32	22.32	23.5
10	64QAM	25	12	22.22	22.21	22.34	
10	64QAM	25	25	22.15	22.27	22.07	
10	64QAM	50	0	22.20	22.25	22.02	
10	256QAM	1	0	20.10	20.22	20.20	21.5
10	256QAM	1	25	20.11	20.15	20.17	
10	256QAM	1	49	19.81	20.08	19.99	
10	256QAM	25	0	20.26	20.36	20.37	21.5
10	256QAM	25	12	20.18	20.41	20.25	
10	256QAM	25	25	19.99	20.32	20.19	
10	256QAM	50	0	19.98	20.19	20.17	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	24.87	25.18	25.27	26.5
5	QPSK	1	12	24.99	25.21	25.26	
5	QPSK	1	24	25.01	25.01	25.01	
5	QPSK	12	0	24.09	24.16	24.17	25.5
5	QPSK	12	7	24.07	24.34	24.07	
5	QPSK	12	13	23.98	24.12	24.08	
5	QPSK	25	0	24.14	24.20	24.14	
5	16QAM	1	0	24.42	24.58	24.65	25.5
5	16QAM	1	12	24.59	24.49	24.44	
5	16QAM	1	24	24.41	24.42	24.34	
5	16QAM	12	0	23.09	23.29	23.33	24.5
5	16QAM	12	7	23.08	23.21	23.14	
5	16QAM	12	13	23.22	23.28	23.01	
5	16QAM	25	0	23.13	23.32	23.15	
5	64QAM	1	0	23.35	23.58	23.54	24.5
5	64QAM	1	12	23.22	23.38	23.35	
5	64QAM	1	24	23.43	23.30	23.28	
5	64QAM	12	0	22.02	22.20	22.33	23.5
5	64QAM	12	7	22.26	22.23	22.22	
5	64QAM	12	13	22.19	22.14	22.21	
5	64QAM	25	0	22.24	22.20	22.05	
5	256QAM	1	0	20.17	20.30	20.36	21.5
5	256QAM	1	12	20.13	20.24	20.12	
5	256QAM	1	24	19.94	20.22	20.14	
5	256QAM	12	0	20.19	20.43	20.21	21.5
5	256QAM	12	7	20.15	20.33	20.20	
5	256QAM	12	13	20.11	20.28	20.30	
5	256QAM	25	0	20.02	20.34	20.08	



<LTE Band 38\_HPUE\_Ant 2\_Index 4/6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	24.16	24.17	24.26	24.8
20	QPSK	1	49	23.98	24.00	24.23	
20	QPSK	1	99	24.03	24.04	24.12	
20	QPSK	50	0	24.13	24.10	24.20	24.8
20	QPSK	50	24	23.97	24.03	24.16	
20	QPSK	50	50	24.01	23.97	24.14	
20	QPSK	100	0	24.15	24.15	24.16	24.8
20	16QAM	1	0	24.13	24.02	24.06	
20	16QAM	1	49	24.09	24.09	24.11	
20	16QAM	1	99	24.04	24.08	24.23	24.8
20	16QAM	50	0	24.14	24.06	24.16	
20	16QAM	50	24	24.16	24.14	24.07	
20	16QAM	50	50	24.08	24.16	24.12	24.8
20	16QAM	100	0	24.12	24.06	24.20	
20	64QAM	1	0	24.16	24.16	24.24	
20	64QAM	1	49	24.11	24.16	24.09	24.8
20	64QAM	1	99	24.10	24.10	24.23	
20	64QAM	50	0	23.18	23.18	23.28	
20	64QAM	50	24	23.33	23.18	22.98	23.9
20	64QAM	50	50	23.12	23.30	23.17	
20	64QAM	100	0	23.41	23.20	23.22	
20	256QAM	1	0	21.19	21.23	21.10	21.9
20	256QAM	1	49	21.36	21.36	21.18	
20	256QAM	1	99	21.17	21.22	21.44	
20	256QAM	50	0	21.05	21.36	21.50	21.9
20	256QAM	50	24	21.36	21.28	21.14	
20	256QAM	50	50	21.41	21.28	21.48	
20	256QAM	100	0	21.27	21.32	21.44	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	24.03	23.99	24.11	24.8
15	QPSK	1	37	23.95	23.85	24.23	
15	QPSK	1	74	24.01	24.00	23.93	
15	QPSK	36	0	24.00	23.92	24.06	24.8
15	QPSK	36	20	23.90	23.98	24.08	
15	QPSK	36	39	23.88	23.92	24.11	
15	QPSK	75	0	24.00	24.01	24.01	24.8
15	16QAM	1	0	24.07	23.96	23.89	
15	16QAM	1	37	24.04	24.00	24.09	
15	16QAM	1	74	23.93	23.89	24.07	24.8
15	16QAM	36	0	23.99	23.89	24.03	
15	16QAM	36	20	24.16	24.11	23.97	
15	16QAM	36	39	24.01	24.15	24.07	24.8
15	16QAM	75	0	24.05	23.93	24.02	
15	64QAM	1	0	24.12	23.99	24.07	
15	64QAM	1	37	23.92	24.06	24.05	24.8
15	64QAM	1	74	23.90	23.97	24.22	
15	64QAM	36	0	22.99	23.07	23.27	
15	64QAM	36	20	23.28	23.13	22.85	23.9
15	64QAM	36	39	22.98	23.17	23.09	
15	64QAM	75	0	23.37	23.14	23.13	
15	256QAM	1	0	21.12	21.19	21.02	21.9
15	256QAM	1	37	21.25	21.28	21.08	
15	256QAM	1	74	21.12	21.10	21.36	
15	256QAM	36	0	20.96	21.27	21.40	21.9
15	256QAM	36	20	21.32	21.25	21.10	



**FCC SAR TEST REPORT**

**Report No. :FA2D0206-01F**

15	256QAM	36	39	21.30	21.14	21.40	
15	256QAM	75	0	21.24	21.21	21.26	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	24.07	24.17	24.25	24.8
10	QPSK	1	25	23.84	23.86	24.05	
10	QPSK	1	49	23.86	24.00	24.02	
10	QPSK	25	0	24.02	23.92	24.20	24.8
10	QPSK	25	12	23.91	23.88	23.99	
10	QPSK	25	25	23.82	23.97	24.08	
10	QPSK	50	0	24.03	24.02	23.94	
10	16QAM	1	0	24.00	23.93	24.06	24.8
10	16QAM	1	25	24.04	24.09	24.09	
10	16QAM	1	49	24.02	24.00	24.20	
10	16QAM	25	0	24.11	23.93	24.07	24.8
10	16QAM	25	12	23.98	23.97	23.92	
10	16QAM	25	25	23.99	24.01	24.05	
10	16QAM	50	0	24.08	23.91	24.04	
10	64QAM	1	0	24.00	23.99	24.08	24.8
10	64QAM	1	25	24.07	23.99	23.89	
10	64QAM	1	49	24.07	24.05	24.10	
10	64QAM	25	0	22.98	23.15	23.18	23.9
10	64QAM	25	12	23.13	23.16	22.91	
10	64QAM	25	25	23.09	23.21	23.01	
10	64QAM	50	0	23.27	23.13	23.07	
10	256QAM	1	0	21.07	21.11	20.98	21.9
10	256QAM	1	25	21.34	21.21	21.17	
10	256QAM	1	49	21.10	21.20	21.28	
10	256QAM	25	0	20.92	21.18	21.50	21.9
10	256QAM	25	12	21.21	21.12	20.99	
10	256QAM	25	25	21.40	21.08	21.41	
10	256QAM	50	0	21.17	21.17	21.38	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	24.02	23.98	24.06	24.8
5	QPSK	1	12	23.83	23.88	24.06	
5	QPSK	1	24	23.95	23.99	24.12	
5	QPSK	12	0	23.98	23.94	24.17	24.8
5	QPSK	12	7	23.85	24.00	24.16	
5	QPSK	12	13	23.96	23.79	24.14	
5	QPSK	25	0	24.13	24.11	24.01	
5	16QAM	1	0	23.98	23.94	23.98	24.8
5	16QAM	1	12	24.09	23.90	24.02	
5	16QAM	1	24	23.96	24.05	24.08	
5	16QAM	12	0	24.11	24.02	24.00	24.8
5	16QAM	12	7	24.02	24.12	24.04	
5	16QAM	12	13	23.92	24.01	24.12	
5	16QAM	25	0	24.07	23.93	24.02	
5	64QAM	1	0	24.16	23.97	24.06	24.8
5	64QAM	1	12	24.07	24.09	24.05	
5	64QAM	1	24	24.09	24.03	24.15	
5	64QAM	12	0	23.12	23.04	23.20	23.9
5	64QAM	12	7	23.30	23.16	22.88	
5	64QAM	12	13	23.07	23.21	22.98	
5	64QAM	25	0	23.26	23.15	23.06	
5	256QAM	1	0	21.07	21.05	21.08	21.9
5	256QAM	1	12	21.30	21.29	21.05	
5	256QAM	1	24	21.10	21.06	21.29	
5	256QAM	12	0	20.90	21.16	21.30	21.9
5	256QAM	12	7	21.30	21.16	21.10	
5	256QAM	12	13	21.39	21.24	21.31	
5	256QAM	25	0	21.26	21.28	21.27	



<LTE Band 38\_HPUE\_Ant 0\_Index 4>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	20.32	20.47	20.56	20.9
20	QPSK	1	49	20.09	20.23	20.34	
20	QPSK	1	99	20.17	20.09	20.18	
20	QPSK	50	0	20.32	20.42	20.42	20.9
20	QPSK	50	24	20.28	20.43	20.14	
20	QPSK	50	50	20.24	20.40	20.35	
20	QPSK	100	0	20.35	20.31	20.34	20.9
20	16QAM	1	0	20.18	20.24	20.39	
20	16QAM	1	49	20.25	20.18	20.29	
20	16QAM	1	99	20.03	20.11	20.18	20.9
20	16QAM	50	0	20.26	20.37	20.38	
20	16QAM	50	24	20.30	20.41	20.32	
20	16QAM	50	50	20.50	20.37	20.23	20.9
20	16QAM	100	0	20.30	20.45	20.35	
20	64QAM	1	0	20.45	20.50	20.54	
20	64QAM	1	49	20.40	20.50	20.47	20.9
20	64QAM	1	99	20.49	20.52	20.48	
20	64QAM	50	0	20.17	20.27	20.32	
20	64QAM	50	24	20.28	20.30	20.29	20.9
20	64QAM	50	50	20.23	20.18	20.15	
20	64QAM	100	0	20.20	20.23	20.15	
20	256QAM	1	0	20.16	20.30	20.35	20.9
20	256QAM	1	49	20.09	20.26	20.18	
20	256QAM	1	99	19.93	20.23	20.12	
20	256QAM	50	0	20.23	20.43	20.31	20.9
20	256QAM	50	24	20.22	20.43	20.36	
20	256QAM	50	50	20.11	20.35	20.35	
20	256QAM	100	0	20.06	20.36	20.22	
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)
15	QPSK	1	0	20.12	20.08	20.19	20.9
15	QPSK	1	37	19.95	20.25	20.32	
15	QPSK	1	74	20.03	20.05	20.09	
15	QPSK	36	0	20.29	20.39	20.37	20.9
15	QPSK	36	20	20.07	20.33	19.99	
15	QPSK	36	39	20.04	20.29	20.18	
15	QPSK	75	0	20.22	20.20	20.21	20.9
15	16QAM	1	0	20.07	20.09	20.35	
15	16QAM	1	37	20.15	20.00	20.23	
15	16QAM	1	74	20.04	19.98	20.04	20.9
15	16QAM	36	0	20.21	20.35	20.22	
15	16QAM	36	20	20.20	20.30	20.25	
15	16QAM	36	39	20.41	20.23	20.04	20.9
15	16QAM	75	0	20.27	20.35	20.08	
15	64QAM	1	0	20.26	20.52	20.52	
15	64QAM	1	37	20.31	20.45	20.49	20.9
15	64QAM	1	74	20.48	20.41	20.42	
15	64QAM	36	0	20.13	20.12	20.26	
15	64QAM	36	20	20.20	20.37	20.13	20.9
15	64QAM	36	39	20.20	20.06	20.06	
15	64QAM	75	0	20.05	20.06	20.04	
15	256QAM	1	0	19.98	20.17	20.29	20.9
15	256QAM	1	37	19.96	20.12	20.04	
15	256QAM	1	74	19.79	20.14	20.07	
15	256QAM	36	0	20.19	20.31	20.24	20.9
15	256QAM	36	20	20.18	20.31	20.14	



**FCC SAR TEST REPORT**

**Report No. :FA2D0206-01F**

15	256QAM	36	39	20.05	20.22	20.18	
15	256QAM	75	0	19.97	20.30	20.19	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	19.89	20.10	20.26	20.9
10	QPSK	1	25	20.06	20.03	20.16	
10	QPSK	1	49	20.03	20.04	20.12	
10	QPSK	25	0	20.18	20.29	20.23	20.9
10	QPSK	25	12	20.06	20.28	19.98	
10	QPSK	25	25	20.26	20.26	20.18	
10	QPSK	50	0	20.25	20.19	20.14	
10	16QAM	1	0	20.13	20.30	20.33	20.9
10	16QAM	1	25	20.21	20.13	20.07	
10	16QAM	1	49	19.92	19.97	20.15	
10	16QAM	25	0	20.19	20.20	20.35	20.9
10	16QAM	25	12	20.12	20.25	20.33	
10	16QAM	25	25	20.32	20.22	20.11	
10	16QAM	50	0	20.24	20.19	20.28	
10	64QAM	1	0	20.36	20.52	20.50	20.9
10	64QAM	1	25	20.20	20.47	20.48	
10	64QAM	1	49	20.47	20.36	20.30	
10	64QAM	25	0	20.02	20.25	20.22	20.9
10	64QAM	25	12	20.21	20.18	20.25	
10	64QAM	25	25	20.11	20.20	20.06	
10	64QAM	50	0	20.11	20.18	19.97	
10	256QAM	1	0	20.05	20.16	20.18	20.9
10	256QAM	1	25	20.01	20.11	20.11	
10	256QAM	1	49	19.78	20.07	19.99	
10	256QAM	25	0	20.17	20.36	20.30	20.9
10	256QAM	25	12	20.09	20.33	20.16	
10	256QAM	25	25	19.91	20.29	20.17	
10	256QAM	50	0	19.92	20.11	20.13	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	19.91	20.27	20.33	20.9
5	QPSK	1	12	20.01	20.29	20.32	
5	QPSK	1	24	20.03	20.04	20.07	
5	QPSK	12	0	20.10	20.22	20.21	20.9
5	QPSK	12	7	20.07	20.35	20.08	
5	QPSK	12	13	20.03	20.16	20.17	
5	QPSK	25	0	20.18	20.29	20.15	
5	16QAM	1	0	20.09	20.26	20.25	20.9
5	16QAM	1	12	20.19	20.12	20.04	
5	16QAM	1	24	20.05	20.10	20.04	
5	16QAM	12	0	20.12	20.32	20.35	20.9
5	16QAM	12	7	20.14	20.25	20.22	
5	16QAM	12	13	20.27	20.37	20.06	
5	16QAM	25	0	20.23	20.32	20.20	
5	64QAM	1	0	20.45	20.49	20.54	20.9
5	64QAM	1	12	20.26	20.45	20.35	
5	64QAM	1	24	20.48	20.36	20.28	
5	64QAM	12	0	20.01	20.11	20.27	20.9
5	64QAM	12	7	20.25	20.13	20.14	
5	64QAM	12	13	20.15	20.14	20.13	
5	64QAM	25	0	20.23	20.18	19.99	
5	256QAM	1	0	20.11	20.20	20.26	20.9
5	256QAM	1	12	20.07	20.16	20.08	
5	256QAM	1	24	19.87	20.16	20.04	
5	256QAM	12	0	20.19	20.43	20.14	20.9
5	256QAM	12	7	20.11	20.30	20.15	
5	256QAM	12	13	20.10	20.28	20.24	
5	256QAM	25	0	19.94	20.30	20.07	



<LTE Band 38\_HPUE\_Ant 2\_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	24.16	24.17	24.26	25.5
20	QPSK	1	49	23.98	24.00	24.23	
20	QPSK	1	99	24.03	24.04	24.12	
20	QPSK	50	0	24.13	24.10	24.20	25.5
20	QPSK	50	24	23.97	24.03	24.16	
20	QPSK	50	50	24.01	23.97	24.14	
20	QPSK	100	0	24.15	24.15	24.16	25.5
20	16QAM	1	0	24.13	24.02	24.06	
20	16QAM	1	49	24.09	24.09	24.11	
20	16QAM	1	99	24.04	24.08	24.23	24.9
20	16QAM	50	0	24.14	24.06	24.16	
20	16QAM	50	24	24.16	24.14	24.07	
20	16QAM	50	50	24.08	24.16	24.12	24.9
20	16QAM	100	0	24.12	24.06	24.20	
20	64QAM	1	0	24.16	24.16	24.24	
20	64QAM	1	49	24.11	24.16	24.09	23.9
20	64QAM	1	99	24.10	24.10	24.23	
20	64QAM	50	0	23.18	23.18	23.28	
20	64QAM	50	24	23.33	23.18	22.98	21.9
20	64QAM	50	50	23.12	23.30	23.17	
20	64QAM	100	0	23.41	23.20	23.22	
20	256QAM	1	0	21.19	21.23	21.10	21.9
20	256QAM	1	49	21.36	21.36	21.18	
20	256QAM	1	99	21.17	21.22	21.44	
20	256QAM	50	0	21.05	21.36	21.50	21.9
20	256QAM	50	24	21.36	21.28	21.14	
20	256QAM	50	50	21.41	21.28	21.48	
20	256QAM	100	0	21.27	21.32	21.44	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	24.03	23.99	24.11	25.5
15	QPSK	1	37	23.95	23.85	24.23	
15	QPSK	1	74	24.01	24.00	23.93	
15	QPSK	36	0	24.00	23.92	24.06	25.5
15	QPSK	36	20	23.90	23.98	24.08	
15	QPSK	36	39	23.88	23.92	24.11	
15	QPSK	75	0	24.00	24.01	24.01	25.5
15	16QAM	1	0	24.07	23.96	23.89	
15	16QAM	1	37	24.04	24.00	24.09	
15	16QAM	1	74	23.93	23.89	24.07	24.9
15	16QAM	36	0	23.99	23.89	24.03	
15	16QAM	36	20	24.16	24.11	23.97	
15	16QAM	36	39	24.01	24.15	24.07	24.9
15	16QAM	75	0	24.05	23.93	24.02	
15	64QAM	1	0	24.12	23.99	24.07	
15	64QAM	1	37	23.92	24.06	24.05	23.9
15	64QAM	1	74	23.90	23.97	24.22	
15	64QAM	36	0	22.99	23.07	23.27	
15	64QAM	36	20	23.28	23.13	22.85	21.9
15	64QAM	36	39	22.98	23.17	23.09	
15	64QAM	75	0	23.37	23.14	23.13	
15	256QAM	1	0	21.12	21.19	21.02	21.9
15	256QAM	1	37	21.25	21.28	21.08	
15	256QAM	1	74	21.12	21.10	21.36	
15	256QAM	36	0	20.96	21.27	21.40	21.9
15	256QAM	36	20	21.32	21.25	21.10	



**FCC SAR TEST REPORT**

**Report No. :FA2D0206-01F**

15	256QAM	36	39	21.30	21.14	21.40	
15	256QAM	75	0	21.24	21.21	21.26	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	24.07	24.17	24.25	25.5
10	QPSK	1	25	23.84	23.86	24.05	
10	QPSK	1	49	23.86	24.00	24.02	
10	QPSK	25	0	24.02	23.92	24.20	25.5
10	QPSK	25	12	23.91	23.88	23.99	
10	QPSK	25	25	23.82	23.97	24.08	
10	QPSK	50	0	24.03	24.02	23.94	25.5
10	16QAM	1	0	24.00	23.93	24.06	
10	16QAM	1	25	24.04	24.09	24.09	
10	16QAM	1	49	24.02	24.00	24.20	24.9
10	16QAM	25	0	24.11	23.93	24.07	
10	16QAM	25	12	23.98	23.97	23.92	
10	16QAM	25	25	23.99	24.01	24.05	24.9
10	16QAM	50	0	24.08	23.91	24.04	
10	64QAM	1	0	24.00	23.99	24.08	
10	64QAM	1	25	24.07	23.99	23.89	24.9
10	64QAM	1	49	24.07	24.05	24.10	
10	64QAM	25	0	22.98	23.15	23.18	
10	64QAM	25	12	23.13	23.16	22.91	23.9
10	64QAM	25	25	23.09	23.21	23.01	
10	64QAM	50	0	23.27	23.13	23.07	
10	256QAM	1	0	21.07	21.11	20.98	21.9
10	256QAM	1	25	21.34	21.21	21.17	
10	256QAM	1	49	21.10	21.20	21.28	
10	256QAM	25	0	20.92	21.18	21.50	21.9
10	256QAM	25	12	21.21	21.12	20.99	
10	256QAM	25	25	21.40	21.08	21.41	
10	256QAM	50	0	21.17	21.17	21.38	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	24.02	23.98	24.06	25.5
5	QPSK	1	12	23.83	23.88	24.06	
5	QPSK	1	24	23.95	23.99	24.12	
5	QPSK	12	0	23.98	23.94	24.17	25.5
5	QPSK	12	7	23.85	24.00	24.16	
5	QPSK	12	13	23.96	23.79	24.14	
5	QPSK	25	0	24.13	24.11	24.01	25.5
5	16QAM	1	0	23.98	23.94	23.98	
5	16QAM	1	12	24.09	23.90	24.02	
5	16QAM	1	24	23.96	24.05	24.08	24.9
5	16QAM	12	0	24.11	24.02	24.00	
5	16QAM	12	7	24.02	24.12	24.04	
5	16QAM	12	13	23.92	24.01	24.12	24.9
5	16QAM	25	0	24.07	23.93	24.02	
5	64QAM	1	0	24.16	23.97	24.06	
5	64QAM	1	12	24.07	24.09	24.05	24.9
5	64QAM	1	24	24.09	24.03	24.15	
5	64QAM	12	0	23.12	23.04	23.20	
5	64QAM	12	7	23.30	23.16	22.88	23.9
5	64QAM	12	13	23.07	23.21	22.98	
5	64QAM	25	0	23.26	23.15	23.06	
5	256QAM	1	0	21.07	21.05	21.08	21.9
5	256QAM	1	12	21.30	21.29	21.05	
5	256QAM	1	24	21.10	21.06	21.29	
5	256QAM	12	0	20.90	21.16	21.30	21.9
5	256QAM	12	7	21.30	21.16	21.10	
5	256QAM	12	13	21.39	21.24	21.31	
5	256QAM	25	0	21.26	21.28	21.27	



<LTE Band 38\_HPUE\_Ant 0\_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	23.71	23.84	23.64	24.7
20	QPSK	1	49	23.64	23.69	23.69	
20	QPSK	1	99	23.66	23.73	23.59	
20	QPSK	50	0	23.77	23.82	23.76	24.7
20	QPSK	50	24	23.81	23.73	23.70	
20	QPSK	50	50	23.74	23.71	23.70	
20	QPSK	100	0	23.73	23.67	23.72	24.7
20	16QAM	1	0	23.73	23.66	23.69	
20	16QAM	1	49	23.70	23.70	23.66	
20	16QAM	1	99	23.60	23.60	23.64	24.5
20	16QAM	50	0	23.32	23.30	23.23	
20	16QAM	50	24	23.28	23.22	23.18	
20	16QAM	50	50	23.33	23.21	23.16	24.5
20	16QAM	100	0	23.23	23.27	23.22	
20	64QAM	1	0	23.31	23.37	23.36	
20	64QAM	1	49	23.26	23.23	23.30	24.5
20	64QAM	1	99	23.25	23.26	23.08	
20	64QAM	50	0	22.26	22.26	22.23	
20	64QAM	50	24	22.20	22.29	22.16	23.5
20	64QAM	50	50	22.26	22.17	22.16	
20	64QAM	100	0	22.25	22.23	22.19	
20	256QAM	1	0	20.03	20.19	20.16	21.5
20	256QAM	1	49	19.94	20.12	20.04	
20	256QAM	1	99	19.79	20.04	19.97	
20	256QAM	50	0	20.08	20.06	20.18	21.5
20	256QAM	50	24	20.06	20.05	20.16	
20	256QAM	50	50	19.93	20.18	20.15	
20	256QAM	100	0	19.94	20.16	20.08	
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)
15	QPSK	1	0	23.66	23.76	23.54	24.7
15	QPSK	1	37	23.54	23.68	23.60	
15	QPSK	1	74	23.61	23.71	23.49	
15	QPSK	36	0	23.65	23.78	23.72	24.7
15	QPSK	36	20	23.76	23.71	23.70	
15	QPSK	36	39	23.74	23.70	23.67	
15	QPSK	75	0	23.63	23.67	23.66	24.7
15	16QAM	1	0	23.60	23.63	23.66	
15	16QAM	1	37	23.50	23.62	23.64	
15	16QAM	1	74	23.64	23.68	23.75	24.5
15	16QAM	36	0	23.23	23.24	23.23	
15	16QAM	36	20	23.18	23.19	23.18	
15	16QAM	36	39	23.27	23.14	23.16	24.5
15	16QAM	75	0	23.21	23.26	23.16	
15	64QAM	1	0	23.23	23.27	23.32	
15	64QAM	1	37	23.16	23.13	23.22	24.5
15	64QAM	1	74	23.17	23.26	23.04	
15	64QAM	36	0	22.22	22.21	22.23	
15	64QAM	36	20	22.11	22.21	22.10	23.5
15	64QAM	36	39	22.24	22.16	22.09	
15	64QAM	75	0	22.19	22.23	22.16	
15	256QAM	1	0	19.93	20.19	20.10	21.5
15	256QAM	1	37	19.86	20.12	19.94	
15	256QAM	1	74	19.70	19.98	19.93	
15	256QAM	36	0	19.99	20.05	20.09	21.5
15	256QAM	36	20	20.06	20.01	20.06	





**FCC SAR TEST REPORT**

**Report No. :FA2D0206-01F**

15	256QAM	36	39	19.83	20.15	20.05	
15	256QAM	75	0	19.84	20.10	20.02	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	23.68	23.79	23.57	24.7
10	QPSK	1	25	23.54	23.61	23.67	
10	QPSK	1	49	23.62	23.72	23.55	
10	QPSK	25	0	23.50	23.77	23.75	24.7
10	QPSK	25	12	23.41	23.63	23.66	
10	QPSK	25	25	23.74	23.67	23.64	
10	QPSK	50	0	23.73	23.57	23.70	
10	16QAM	1	0	23.78	23.63	23.64	24.7
10	16QAM	1	25	23.67	23.64	23.79	
10	16QAM	1	49	23.65	23.60	23.77	
10	16QAM	25	0	23.25	23.30	23.13	24.5
10	16QAM	25	12	23.19	23.14	23.09	
10	16QAM	25	25	23.27	23.17	23.13	
10	16QAM	50	0	23.19	23.17	23.19	
10	64QAM	1	0	23.28	23.30	23.36	24.5
10	64QAM	1	25	23.25	23.14	23.24	
10	64QAM	1	49	23.22	23.26	22.99	
10	64QAM	25	0	22.23	22.25	22.20	23.5
10	64QAM	25	12	22.13	22.28	22.10	
10	64QAM	25	25	22.26	22.11	22.13	
10	64QAM	50	0	22.20	22.19	22.12	
10	256QAM	1	0	19.94	20.14	20.16	21.5
10	256QAM	1	25	19.90	20.11	20.04	
10	256QAM	1	49	19.76	19.94	19.96	
10	256QAM	25	0	20.06	19.96	20.18	21.5
10	256QAM	25	12	20.02	19.95	20.08	
10	256QAM	25	25	19.92	20.08	20.12	
10	256QAM	50	0	19.92	20.06	19.98	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	23.61	23.81	23.62	24.7
5	QPSK	1	12	23.54	23.67	23.65	
5	QPSK	1	24	23.57	23.67	23.55	
5	QPSK	12	0	23.66	23.80	23.69	24.7
5	QPSK	12	7	23.80	23.64	23.60	
5	QPSK	12	13	23.71	23.71	23.60	
5	QPSK	25	0	23.66	23.61	23.67	
5	16QAM	1	0	23.63	23.62	23.70	24.7
5	16QAM	1	12	23.64	23.46	23.70	
5	16QAM	1	24	23.66	23.66	23.64	
5	16QAM	12	0	23.29	23.26	23.16	24.5
5	16QAM	12	7	23.24	23.15	23.15	
5	16QAM	12	13	23.33	23.19	23.12	
5	16QAM	25	0	23.20	23.19	23.17	
5	64QAM	1	0	23.28	23.37	23.33	24.5
5	64QAM	1	12	23.26	23.16	23.23	
5	64QAM	1	24	23.18	23.19	23.03	
5	64QAM	12	0	22.21	22.21	22.14	23.5
5	64QAM	12	7	22.17	22.26	22.06	
5	64QAM	12	13	22.17	22.16	22.16	
5	64QAM	25	0	22.18	22.13	22.14	
5	256QAM	1	0	19.96	20.09	20.12	21.5
5	256QAM	1	12	19.87	20.06	19.95	
5	256QAM	1	24	19.74	20.02	19.97	
5	256QAM	12	0	20.08	20.06	20.14	21.5
5	256QAM	12	7	19.99	19.97	20.09	
5	256QAM	12	13	19.83	20.16	20.15	
5	256QAM	25	0	19.85	20.10	20.00	



<LTE Band 38\_HPUE\_Ant 0\_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	23.71	23.84	23.64	24
20	QPSK	1	49	23.64	23.69	23.69	
20	QPSK	1	99	23.66	23.73	23.59	
20	QPSK	50	0	23.77	23.82	23.76	24
20	QPSK	50	24	23.81	23.73	23.70	
20	QPSK	50	50	23.74	23.71	23.70	
20	QPSK	100	0	23.73	23.67	23.72	24
20	16QAM	1	0	23.73	23.66	23.69	
20	16QAM	1	49	23.70	23.70	23.66	
20	16QAM	1	99	23.60	23.60	23.64	24
20	16QAM	50	0	23.32	23.30	23.23	
20	16QAM	50	24	23.28	23.22	23.18	
20	16QAM	50	50	23.33	23.21	23.16	24
20	16QAM	100	0	23.23	23.27	23.22	
20	64QAM	1	0	23.31	23.37	23.36	
20	64QAM	1	49	23.26	23.23	23.30	24
20	64QAM	1	99	23.25	23.26	23.08	
20	64QAM	50	0	22.26	22.26	22.23	
20	64QAM	50	24	22.20	22.29	22.16	23.5
20	64QAM	50	50	22.26	22.17	22.16	
20	64QAM	100	0	22.25	22.23	22.19	
20	256QAM	1	0	20.03	20.19	20.16	21.5
20	256QAM	1	49	19.94	20.12	20.04	
20	256QAM	1	99	19.79	20.04	19.97	
20	256QAM	50	0	20.08	20.06	20.18	21.5
20	256QAM	50	24	20.06	20.05	20.16	
20	256QAM	50	50	19.93	20.18	20.15	
20	256QAM	100	0	19.94	20.16	20.08	
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)
15	QPSK	1	0	23.66	23.76	23.54	24
15	QPSK	1	37	23.54	23.68	23.60	
15	QPSK	1	74	23.61	23.71	23.49	
15	QPSK	36	0	23.65	23.78	23.72	24
15	QPSK	36	20	23.76	23.71	23.70	
15	QPSK	36	39	23.74	23.70	23.67	
15	QPSK	75	0	23.63	23.67	23.66	24
15	16QAM	1	0	23.60	23.63	23.66	
15	16QAM	1	37	23.50	23.62	23.64	
15	16QAM	1	74	23.64	23.68	23.75	24
15	16QAM	36	0	23.23	23.24	23.23	
15	16QAM	36	20	23.18	23.19	23.18	
15	16QAM	36	39	23.27	23.14	23.16	24
15	16QAM	75	0	23.21	23.26	23.16	
15	64QAM	1	0	23.23	23.27	23.32	
15	64QAM	1	37	23.16	23.13	23.22	24
15	64QAM	1	74	23.17	23.26	23.04	
15	64QAM	36	0	22.22	22.21	22.23	
15	64QAM	36	20	22.11	22.21	22.10	23.5
15	64QAM	36	39	22.24	22.16	22.09	
15	64QAM	75	0	22.19	22.23	22.16	
15	256QAM	1	0	19.93	20.19	20.10	21.5
15	256QAM	1	37	19.86	20.12	19.94	
15	256QAM	1	74	19.70	19.98	19.93	
15	256QAM	36	0	19.99	20.05	20.09	21.5
15	256QAM	36	20	20.06	20.01	20.06	



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15	256QAM	36	39	19.83	20.15	20.05	
15	256QAM	75	0	19.84	20.10	20.02	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	23.68	23.79	23.57	24
10	QPSK	1	25	23.54	23.61	23.67	
10	QPSK	1	49	23.62	23.72	23.55	
10	QPSK	25	0	23.50	23.77	23.75	24
10	QPSK	25	12	23.41	23.63	23.66	
10	QPSK	25	25	23.74	23.67	23.64	
10	QPSK	50	0	23.73	23.57	23.70	
10	16QAM	1	0	23.78	23.63	23.64	24
10	16QAM	1	25	23.67	23.64	23.79	
10	16QAM	1	49	23.65	23.60	23.77	
10	16QAM	25	0	23.25	23.30	23.13	24
10	16QAM	25	12	23.19	23.14	23.09	
10	16QAM	25	25	23.27	23.17	23.13	
10	16QAM	50	0	23.19	23.17	23.19	
10	64QAM	1	0	23.28	23.30	23.36	24
10	64QAM	1	25	23.25	23.14	23.24	
10	64QAM	1	49	23.22	23.26	22.99	
10	64QAM	25	0	22.23	22.25	22.20	23.5
10	64QAM	25	12	22.13	22.28	22.10	
10	64QAM	25	25	22.26	22.11	22.13	
10	64QAM	50	0	22.20	22.19	22.12	
10	256QAM	1	0	19.94	20.14	20.16	21.5
10	256QAM	1	25	19.90	20.11	20.04	
10	256QAM	1	49	19.76	19.94	19.96	
10	256QAM	25	0	20.06	19.96	20.18	21.5
10	256QAM	25	12	20.02	19.95	20.08	
10	256QAM	25	25	19.92	20.08	20.12	
10	256QAM	50	0	19.92	20.06	19.98	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	23.61	23.81	23.62	24
5	QPSK	1	12	23.54	23.67	23.65	
5	QPSK	1	24	23.57	23.67	23.55	
5	QPSK	12	0	23.66	23.80	23.69	24
5	QPSK	12	7	23.80	23.64	23.60	
5	QPSK	12	13	23.71	23.71	23.60	
5	QPSK	25	0	23.66	23.61	23.67	
5	16QAM	1	0	23.63	23.62	23.70	24
5	16QAM	1	12	23.64	23.46	23.70	
5	16QAM	1	24	23.66	23.66	23.64	
5	16QAM	12	0	23.29	23.26	23.16	24
5	16QAM	12	7	23.24	23.15	23.15	
5	16QAM	12	13	23.33	23.19	23.12	
5	16QAM	25	0	23.20	23.19	23.17	
5	64QAM	1	0	23.28	23.37	23.33	24
5	64QAM	1	12	23.26	23.16	23.23	
5	64QAM	1	24	23.18	23.19	23.03	
5	64QAM	12	0	22.21	22.21	22.14	23.5
5	64QAM	12	7	22.17	22.26	22.06	
5	64QAM	12	13	22.17	22.16	22.16	
5	64QAM	25	0	22.18	22.13	22.14	
5	256QAM	1	0	19.96	20.09	20.12	21.5
5	256QAM	1	12	19.87	20.06	19.95	
5	256QAM	1	24	19.74	20.02	19.97	
5	256QAM	12	0	20.08	20.06	20.14	21.5
5	256QAM	12	7	19.99	19.97	20.09	
5	256QAM	12	13	19.83	20.16	20.15	
5	256QAM	25	0	19.85	20.10	20.00	



<LTE Band 41\_Ant 2\_Index 2/3/5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	23.51	23.18	23.26	23.31	23.16	23.9
20	QPSK	1	49	23.40	23.17	23.10	23.13	23.11	
20	QPSK	1	99	23.41	23.15	23.11	23.05	23.11	
20	QPSK	50	0	22.45	22.12	22.28	22.20	22.24	22.9
20	QPSK	50	24	22.40	22.10	22.26	22.15	22.20	
20	QPSK	50	50	22.30	22.04	22.18	22.14	22.24	
20	QPSK	100	0	22.36	22.19	22.23	22.21	22.21	22.9
20	16QAM	1	0	22.56	22.20	22.40	22.46	22.18	
20	16QAM	1	49	22.61	22.08	22.30	22.09	22.20	
20	16QAM	1	99	22.53	22.05	22.15	22.22	21.94	21.9
20	16QAM	50	0	21.34	21.13	21.23	21.30	21.22	
20	16QAM	50	24	21.43	21.07	21.18	21.20	21.06	
20	16QAM	50	50	21.36	21.12	21.12	21.08	21.08	21.9
20	16QAM	100	0	21.48	21.08	21.18	21.18	21.20	
20	64QAM	1	0	21.25	20.74	21.19	20.87	20.94	
20	64QAM	1	49	21.16	20.73	20.99	20.68	20.83	21.9
20	64QAM	1	99	20.99	20.87	20.97	20.68	20.68	
20	64QAM	50	0	20.44	20.18	20.19	20.27	20.19	
20	64QAM	50	24	20.44	20.16	20.23	20.28	20.10	20.9
20	64QAM	50	50	20.32	20.04	20.15	20.12	20.12	
20	64QAM	100	0	20.34	20.05	20.11	20.18	20.14	
20	256QAM	1	0	18.40	18.16	18.14	18.13	18.06	18.9
20	256QAM	1	49	18.32	18.04	18.12	18.01	18.00	
20	256QAM	1	99	18.25	18.08	18.09	17.99	17.96	
20	256QAM	50	0	18.43	18.19	18.24	18.13	18.15	18.9
20	256QAM	50	24	18.42	18.21	18.22	18.19	18.08	
20	256QAM	50	50	18.39	18.16	18.14	18.09	18.03	
20	256QAM	100	0	18.35	18.11	18.12	18.10	17.97	
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	23.39	22.88	23.18	23.25	22.98	23.90
15	QPSK	1	37	23.23	23.10	23.10	22.98	23.07	
15	QPSK	1	74	23.36	23.00	23.07	22.99	23.07	
15	QPSK	36	0	22.35	22.01	22.12	22.18	22.23	22.9
15	QPSK	36	20	22.39	21.90	22.14	22.15	22.16	
15	QPSK	36	39	22.19	21.92	22.16	22.06	22.16	
15	QPSK	75	0	22.31	22.03	22.21	22.13	22.21	22.9
15	16QAM	1	0	22.50	22.05	22.39	22.46	22.06	
15	16QAM	1	37	22.54	21.90	22.22	21.95	22.10	
15	16QAM	1	74	22.48	21.98	22.08	22.09	21.88	21.9
15	16QAM	36	0	21.27	20.98	21.12	21.22	21.19	
15	16QAM	36	20	21.41	20.88	20.99	21.18	20.91	
15	16QAM	36	39	21.36	21.12	20.98	21.01	20.89	21.9
15	16QAM	75	0	21.33	21.01	21.06	20.99	21.04	
15	64QAM	1	0	21.05	20.64	21.02	20.78	20.90	
15	64QAM	1	37	21.15	20.53	20.92	20.53	20.75	21.9
15	64QAM	1	74	20.79	20.81	20.96	20.67	20.51	
15	64QAM	36	0	20.33	20.15	20.16	20.18	19.99	
15	64QAM	36	20	20.24	20.08	20.14	20.24	19.97	20.9
15	64QAM	36	39	20.14	19.90	19.97	20.05	20.05	
15	64QAM	75	0	20.29	19.89	20.04	20.04	20.11	
15	256QAM	1	0	18.30	17.97	17.95	18.05	17.95	18.9
15	256QAM	1	37	18.17	17.96	18.00	17.90	17.86	
15	256QAM	1	74	18.16	17.98	17.93	17.91	17.86	
15	256QAM	36	0	18.41	18.07	18.16	18.12	18.02	18.9
15	256QAM	36	20	18.27	18.16	18.02	18.06	18.07	



**FCC SAR TEST REPORT**

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15	256QAM	36	39	18.21	18.10	17.99	18.01	17.90	Tune-up limit (dBm)
15	256QAM	75	0	18.16	18.01	18.06	17.99	17.89	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	23.32	22.90	23.16	23.11	23.11	23.90
10	QPSK	1	25	23.38	23.17	22.90	22.96	23.03	
10	QPSK	1	49	23.30	23.10	23.11	22.91	22.93	
10	QPSK	25	0	22.26	21.93	22.20	22.00	22.07	22.9
10	QPSK	25	12	22.23	21.97	22.06	21.95	22.01	
10	QPSK	25	25	22.14	21.92	22.12	22.10	22.21	
10	QPSK	50	0	22.33	22.07	22.17	22.03	22.14	
10	16QAM	1	0	22.38	22.10	22.25	22.43	22.08	22.9
10	16QAM	1	25	22.57	22.07	22.19	21.90	22.07	
10	16QAM	1	49	22.53	22.05	22.09	22.15	21.89	
10	16QAM	25	0	21.15	21.08	21.21	21.18	21.18	21.9
10	16QAM	25	12	21.23	20.99	21.02	21.20	20.99	
10	16QAM	25	25	21.34	21.07	20.93	20.90	20.98	
10	16QAM	50	0	21.46	20.93	21.03	21.15	21.16	
10	64QAM	1	0	21.22	20.64	21.01	20.74	20.87	21.9
10	64QAM	1	25	20.96	20.67	20.99	20.52	20.66	
10	64QAM	1	49	20.99	20.84	20.78	20.49	20.61	
10	64QAM	25	0	20.40	20.10	20.02	20.23	20.15	20.9
10	64QAM	25	12	20.34	20.10	20.19	20.17	19.99	
10	64QAM	25	25	20.29	19.90	20.08	20.09	20.02	
10	64QAM	50	0	20.22	19.96	19.98	19.98	20.10	
10	256QAM	1	0	18.40	18.16	17.99	17.95	17.89	18.9
10	256QAM	1	25	18.23	17.92	18.12	17.82	17.89	
10	256QAM	1	49	18.05	18.07	17.93	17.82	17.82	
10	256QAM	25	0	18.28	18.08	18.17	18.07	18.07	18.9
10	256QAM	25	12	18.37	18.10	18.08	18.11	18.06	
10	256QAM	25	25	18.28	17.96	18.13	18.06	17.86	
10	256QAM	50	0	18.20	17.92	17.99	17.93	17.92	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	23.41	22.95	23.14	23.26	23.08	23.90
5	QPSK	1	12	23.20	23.16	23.05	23.04	23.03	
5	QPSK	1	24	23.37	23.01	23.00	22.86	23.07	
5	QPSK	12	0	22.19	22.03	22.28	22.19	22.08	22.9
5	QPSK	12	7	22.31	21.92	22.08	21.96	22.00	
5	QPSK	12	13	22.16	21.95	22.16	22.00	22.05	
5	QPSK	25	0	22.26	22.11	22.08	22.21	22.11	
5	16QAM	1	0	22.52	22.19	22.38	22.45	22.03	22.9
5	16QAM	1	12	22.57	21.93	22.23	22.05	22.09	
5	16QAM	1	24	22.53	21.87	21.98	22.13	21.77	
5	16QAM	12	0	21.26	21.13	21.17	21.25	21.19	21.9
5	16QAM	12	7	21.29	21.02	21.12	21.04	20.90	
5	16QAM	12	13	21.34	21.10	20.97	20.89	21.07	
5	16QAM	25	0	21.29	21.07	21.10	21.02	21.16	
5	64QAM	1	0	21.08	20.63	21.05	20.86	20.78	21.9
5	64QAM	1	12	21.12	20.55	20.92	20.54	20.71	
5	64QAM	1	24	20.84	20.83	20.92	20.52	20.63	
5	64QAM	12	0	20.25	20.14	20.07	20.11	20.11	20.9
5	64QAM	12	7	20.33	20.10	20.23	20.08	19.90	
5	64QAM	12	13	20.31	20.03	20.07	19.94	19.97	
5	64QAM	25	0	20.32	19.99	20.11	19.99	20.00	
5	256QAM	1	0	18.35	17.99	18.13	18.06	18.00	18.9
5	256QAM	1	12	18.27	17.98	18.12	17.89	17.83	
5	256QAM	1	24	18.24	18.00	17.89	17.83	17.95	
5	256QAM	12	0	18.25	18.15	18.15	17.93	18.14	18.9
5	256QAM	12	7	18.33	18.03	18.03	18.05	17.99	
5	256QAM	12	13	18.35	18.06	18.14	17.90	18.00	
5	256QAM	25	0	18.15	17.96	17.98	18.10	17.93	



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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	22.58	22.10	22.36	22.41	22.39	23.5
20	QPSK	1	49	22.53	21.87	22.27	22.18	22.36	
20	QPSK	1	99	22.43	22.03	22.18	22.10	22.34	
20	QPSK	50	0	21.50	21.08	21.40	21.30	21.39	22.5
20	QPSK	50	24	21.49	21.03	21.30	21.21	21.34	
20	QPSK	50	50	21.49	21.04	21.24	21.11	21.38	
20	QPSK	100	0	21.45	21.07	21.37	21.28	21.43	22.5
20	16QAM	1	0	21.79	21.30	21.48	21.36	21.47	
20	16QAM	1	49	21.50	21.08	21.13	21.27	21.35	
20	16QAM	1	99	21.30	21.25	21.29	21.20	21.58	21.5
20	16QAM	50	0	20.50	20.08	20.36	20.23	20.35	
20	16QAM	50	24	20.51	20.03	20.25	20.20	20.35	
20	16QAM	50	50	20.49	20.03	20.24	20.14	20.42	21.5
20	16QAM	100	0	20.59	20.13	20.32	20.29	20.41	
20	64QAM	1	0	20.24	19.92	19.89	20.12	19.90	
20	64QAM	1	49	19.92	19.66	19.98	19.82	19.77	21.5
20	64QAM	1	99	20.10	19.64	19.72	19.69	19.81	
20	64QAM	50	0	19.45	19.02	19.22	19.24	19.31	
20	64QAM	50	24	19.40	18.97	19.30	19.12	19.34	20.5
20	64QAM	50	50	19.49	18.91	19.19	19.07	19.26	
20	64QAM	100	0	19.46	19.01	19.24	19.21	19.26	
20	256QAM	1	0	17.52	17.03	17.32	17.13	17.21	18.5
20	256QAM	1	49	17.33	16.81	17.20	16.97	17.07	
20	256QAM	1	99	17.27	16.80	17.14	16.85	16.93	
20	256QAM	50	0	17.67	17.18	17.50	17.30	17.29	18.5
20	256QAM	50	24	17.66	17.17	17.46	17.20	17.33	
20	256QAM	50	50	17.61	17.11	17.43	17.22	17.24	
20	256QAM	100	0	17.50	17.08	17.39	17.20	17.21	
Channel				39725	40173	40620	41068	41515	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Tune-up limit (dBm)
15	QPSK	1	0	22.46	21.92	22.21	22.33	22.36	23.50
15	QPSK	1	37	22.37	21.76	22.10	22.16	22.20	
15	QPSK	1	74	22.29	21.89	22.00	22.00	22.29	
15	QPSK	36	0	21.41	20.89	21.31	21.28	21.22	22.5
15	QPSK	36	20	21.30	21.15	21.15	21.30	21.29	
15	QPSK	36	39	21.32	21.00	21.20	20.92	21.37	
15	QPSK	75	0	21.37	21.04	21.17	21.08	21.41	22.5
15	16QAM	1	0	21.75	21.28	21.31	21.28	21.28	
15	16QAM	1	37	21.43	20.95	21.11	21.22	21.31	
15	16QAM	1	74	21.11	21.06	21.13	21.00	21.44	21.5
15	16QAM	36	0	20.40	19.92	20.26	20.12	20.20	
15	16QAM	36	20	20.35	19.83	20.19	20.05	20.17	
15	16QAM	36	39	20.35	19.97	20.19	20.09	20.30	21.5
15	16QAM	75	0	20.43	20.11	20.19	20.23	20.22	
15	64QAM	1	0	20.15	19.76	19.76	19.95	19.79	
15	64QAM	1	37	19.72	19.56	19.88	19.77	19.75	21.5
15	64QAM	1	74	19.90	19.50	19.68	19.68	19.61	
15	64QAM	36	0	19.35	19.00	19.12	19.11	19.24	
15	64QAM	36	20	19.35	18.89	19.20	19.10	19.26	20.5
15	64QAM	36	39	19.31	18.73	19.19	18.87	19.12	
15	64QAM	75	0	19.26	19.00	19.22	19.03	19.07	
15	256QAM	1	0	17.32	16.98	17.27	17.02	17.13	18.5
15	256QAM	1	37	17.33	16.66	17.16	16.79	16.95	
15	256QAM	1	74	17.18	16.71	17.12	16.78	16.73	
15	256QAM	36	0	17.52	17.03	17.49	17.25	17.19	18.5
15	256QAM	36	20	17.53	17.05	17.27	17.19	17.17	



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15	256QAM	36	39	17.47	17.01	17.37	17.14	17.24	Tune-up limit (dBm)
15	256QAM	75	0	17.37	16.96	17.19	17.16	17.01	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	22.56	22.01	22.23	22.24	22.28	23.50
10	QPSK	1	25	22.49	21.69	22.19	22.10	22.18	
10	QPSK	1	49	22.42	21.83	22.02	21.94	22.29	
10	QPSK	25	0	21.40	21.05	21.32	21.29	21.21	22.5
10	QPSK	25	12	21.38	21.29	21.22	21.22	21.14	
10	QPSK	25	25	21.33	20.87	21.18	21.05	21.25	
10	QPSK	50	0	21.30	20.92	21.25	21.18	21.30	
10	16QAM	1	0	21.64	21.10	21.42	21.20	21.39	22.5
10	16QAM	1	25	21.32	20.95	21.09	21.13	21.23	
10	16QAM	1	49	21.27	21.20	21.19	21.08	21.49	
10	16QAM	25	0	20.48	19.96	20.36	20.17	20.28	21.5
10	16QAM	25	12	20.36	20.02	20.10	20.06	20.18	
10	16QAM	25	25	20.40	19.95	20.21	19.98	20.40	
10	16QAM	50	0	20.55	20.06	20.18	20.16	20.21	
10	64QAM	1	0	20.04	19.77	19.89	20.09	19.89	21.5
10	64QAM	1	25	19.74	19.59	19.82	19.65	19.70	
10	64QAM	1	49	20.10	19.58	19.60	19.69	19.66	
10	64QAM	25	0	19.27	18.86	19.10	19.16	19.21	20.5
10	64QAM	25	12	19.23	18.83	19.26	18.94	19.20	
10	64QAM	25	25	19.31	18.89	19.08	18.96	19.15	
10	64QAM	50	0	19.33	18.94	19.24	19.14	19.07	
10	256QAM	1	0	17.51	16.84	17.21	17.00	17.10	18.5
10	256QAM	1	25	17.33	16.66	17.08	16.83	16.92	
10	256QAM	1	49	17.09	16.70	17.07	16.74	16.85	
10	256QAM	25	0	17.62	17.00	17.38	17.25	17.29	18.5
10	256QAM	25	12	17.52	17.11	17.37	17.04	17.28	
10	256QAM	25	25	17.55	17.03	17.35	17.21	17.05	
10	256QAM	50	0	17.40	17.07	17.25	17.09	17.03	
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	22.42	21.82	22.04	22.21	22.27	23.50
5	QPSK	1	12	22.24	21.71	21.92	22.06	22.17	
5	QPSK	1	24	22.29	21.77	21.87	21.91	22.06	
5	QPSK	12	0	21.40	20.87	21.22	21.10	21.17	22.5
5	QPSK	12	7	21.25	21.17	21.10	21.19	21.11	
5	QPSK	12	13	21.39	20.69	21.12	20.93	21.34	
5	QPSK	25	0	21.20	20.81	21.16	20.94	21.32	
5	16QAM	1	0	21.51	20.98	21.34	21.17	21.26	22.5
5	16QAM	1	12	21.46	21.06	21.08	21.04	21.32	
5	16QAM	1	24	20.92	20.99	21.19	21.01	21.24	
5	16QAM	12	0	20.26	19.79	20.16	19.90	20.05	21.5
5	16QAM	12	7	20.30	19.69	19.98	19.94	20.29	
5	16QAM	12	13	20.46	19.95	20.08	19.98	20.25	
5	16QAM	25	0	20.38	20.01	20.10	20.13	20.22	
5	64QAM	1	0	20.14	19.72	19.70	19.93	19.63	21.5
5	64QAM	1	12	19.85	19.56	19.87	19.56	19.60	
5	64QAM	1	24	19.87	19.58	19.53	19.58	19.62	
5	64QAM	12	0	19.17	18.73	19.01	19.05	19.12	20.5
5	64QAM	12	7	19.18	18.85	19.05	18.97	19.19	
5	64QAM	12	13	19.36	18.66	18.99	18.92	19.01	
5	64QAM	25	0	19.41	18.81	19.11	18.95	19.08	
5	256QAM	1	0	17.48	16.96	17.24	16.95	17.02	18.5
5	256QAM	1	12	17.01	16.66	17.13	16.77	16.84	
5	256QAM	1	24	17.09	16.75	16.83	16.54	16.73	
5	256QAM	12	0	17.52	17.07	17.15	17.12	17.12	18.5
5	256QAM	12	7	17.50	17.14	17.40	17.12	17.07	
5	256QAM	12	13	17.40	16.91	17.15	16.87	17.07	
5	256QAM	25	0	17.12	16.94	17.17	16.98	16.94	





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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	22.97	22.72	22.77	22.79	22.74	23.2
20	QPSK	1	49	22.77	22.65	22.65	22.73	22.54	
20	QPSK	1	99	22.81	22.70	22.72	22.73	22.68	
20	QPSK	50	0	22.33	22.22	22.22	22.18	22.25	22.9
20	QPSK	50	24	22.33	22.00	22.30	22.05	22.28	
20	QPSK	50	50	22.32	22.05	22.14	22.15	22.22	
20	QPSK	100	0	22.27	22.14	22.16	22.24	22.22	22.9
20	16QAM	1	0	22.51	22.18	22.40	22.37	22.12	
20	16QAM	1	49	22.68	22.12	22.29	21.99	22.25	
20	16QAM	1	99	22.55	22.12	22.16	22.23	21.90	21.9
20	16QAM	50	0	21.32	21.20	21.31	21.27	21.21	
20	16QAM	50	24	21.36	21.14	21.22	21.12	21.00	
20	16QAM	50	50	21.36	21.20	21.06	21.11	21.17	21.9
20	16QAM	100	0	21.56	21.02	21.11	21.19	21.28	
20	64QAM	1	0	21.17	20.69	21.26	20.78	21.02	
20	64QAM	1	49	21.17	20.83	21.05	20.66	20.87	21.9
20	64QAM	1	99	20.91	20.87	21.04	20.69	20.71	
20	64QAM	50	0	20.48	20.22	20.12	20.25	20.12	
20	64QAM	50	24	20.39	20.25	20.20	20.19	20.03	20.9
20	64QAM	50	50	20.28	20.08	20.22	20.18	20.11	
20	64QAM	100	0	20.44	20.11	20.02	20.13	20.13	
20	256QAM	1	0	18.39	18.13	18.05	18.18	18.15	18.9
20	256QAM	1	49	18.35	18.00	18.19	17.92	17.93	
20	256QAM	1	99	18.27	18.14	18.12	17.90	17.92	
20	256QAM	50	0	18.44	18.20	18.28	18.18	18.23	18.9
20	256QAM	50	24	18.33	18.18	18.26	18.21	17.98	
20	256QAM	50	50	18.43	18.10	18.19	18.14	18.02	
20	256QAM	100	0	18.40	18.15	18.09	18.18	18.06	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	22.80	22.71	22.77	22.75	22.56	23.20
15	QPSK	1	37	22.59	22.53	22.47	22.55	22.53	
15	QPSK	1	74	22.72	22.70	22.57	22.62	22.58	
15	QPSK	36	0	22.23	22.19	22.20	22.11	22.14	22.9
15	QPSK	36	20	22.26	21.89	22.28	22.04	22.28	
15	QPSK	36	39	22.19	21.96	21.98	22.06	22.20	
15	QPSK	75	0	22.14	22.07	21.97	22.21	22.15	22.9
15	16QAM	1	0	22.50	22.11	22.34	22.35	21.93	
15	16QAM	1	37	22.68	22.11	22.11	21.92	22.14	
15	16QAM	1	74	22.46	22.06	22.09	22.19	21.79	21.9
15	16QAM	36	0	21.20	21.06	21.14	21.14	21.01	
15	16QAM	36	20	21.18	20.99	21.07	21.12	20.86	
15	16QAM	36	39	21.34	21.15	20.87	21.08	21.08	21.9
15	16QAM	75	0	21.36	20.88	20.99	21.09	21.22	
15	64QAM	1	0	21.17	20.63	21.08	20.76	21.01	
15	64QAM	1	37	21.12	20.77	20.94	20.48	20.67	21.9
15	64QAM	1	74	20.82	20.86	20.88	20.52	20.68	
15	64QAM	36	0	20.46	20.12	20.01	20.14	20.05	
15	64QAM	36	20	20.33	20.13	20.09	20.13	20.03	20.9
15	64QAM	36	39	20.15	20.00	20.12	19.99	19.96	
15	64QAM	75	0	20.41	20.09	19.82	20.01	20.05	
15	256QAM	1	0	18.38	18.13	17.92	18.04	18.00	18.9
15	256QAM	1	37	18.26	17.90	18.09	17.90	17.78	
15	256QAM	1	74	18.10	18.10	17.97	17.83	17.89	
15	256QAM	36	0	18.24	18.10	18.25	18.07	18.09	18.9
15	256QAM	36	20	18.32	18.03	18.19	18.17	17.94	





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15	256QAM	36	39	18.27	17.91	18.09	18.02	18.00	
15	256QAM	75	0	18.22	18.00	18.02	18.04	17.95	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	22.80	22.52	22.57	22.72	22.66	23.20
10	QPSK	1	25	22.69	22.58	22.51	22.64	22.54	
10	QPSK	1	49	22.70	22.59	22.69	22.60	22.64	
10	QPSK	25	0	22.19	22.22	22.04	22.11	22.23	22.9
10	QPSK	25	12	22.21	21.83	22.19	21.95	22.23	
10	QPSK	25	25	22.30	21.93	21.99	22.15	22.14	
10	QPSK	50	0	22.24	22.00	22.15	22.14	22.07	
10	16QAM	1	0	22.45	22.16	22.36	22.20	21.99	22.9
10	16QAM	1	25	22.52	22.05	22.29	21.99	22.11	
10	16QAM	1	49	22.55	21.93	22.16	22.22	21.90	
10	16QAM	25	0	21.31	21.20	21.26	21.22	21.07	21.9
10	16QAM	25	12	21.20	20.95	21.16	20.93	20.92	
10	16QAM	25	25	21.16	21.18	21.06	21.03	21.10	
10	16QAM	50	0	21.37	20.88	20.99	21.11	21.10	
10	64QAM	1	0	21.15	20.54	21.26	20.65	20.86	21.9
10	64QAM	1	25	21.15	20.72	20.96	20.64	20.67	
10	64QAM	1	49	20.81	20.75	21.02	20.67	20.58	
10	64QAM	25	0	20.38	20.06	20.01	20.23	20.08	20.9
10	64QAM	25	12	20.35	20.19	20.18	20.13	20.00	
10	64QAM	25	25	20.09	20.00	20.22	19.99	19.94	
10	64QAM	50	0	20.32	19.96	19.92	20.00	20.13	
10	256QAM	1	0	18.29	18.04	17.90	18.12	18.06	18.9
10	256QAM	1	25	18.29	17.97	18.05	17.76	17.93	
10	256QAM	1	49	18.27	17.97	18.12	17.87	17.78	
10	256QAM	25	0	18.33	18.07	18.27	18.12	18.16	18.9
10	256QAM	25	12	18.29	18.18	18.15	18.18	17.90	
10	256QAM	25	25	18.39	18.01	18.18	18.04	18.01	
10	256QAM	50	0	18.29	18.11	17.96	18.04	18.06	
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	22.85	22.61	22.62	22.74	22.57	23.20
5	QPSK	1	12	22.70	22.45	22.52	22.60	22.34	
5	QPSK	1	24	22.75	22.57	22.71	22.58	22.58	
5	QPSK	12	0	22.14	22.05	22.12	22.08	22.13	22.9
5	QPSK	12	7	22.13	21.81	22.16	21.93	22.27	
5	QPSK	12	13	22.26	21.94	22.00	22.05	22.05	
5	QPSK	25	0	22.21	21.95	22.14	22.24	22.20	
5	16QAM	1	0	22.40	22.12	22.26	22.30	21.97	22.9
5	16QAM	1	12	22.66	22.09	22.20	21.83	22.10	
5	16QAM	1	24	22.40	22.08	22.04	22.06	21.90	
5	16QAM	12	0	21.19	21.04	21.28	21.18	21.12	21.9
5	16QAM	12	7	21.33	20.95	21.09	21.08	20.86	
5	16QAM	12	13	21.17	21.08	21.02	21.04	21.09	
5	16QAM	25	0	21.37	20.85	20.97	21.10	21.22	
5	64QAM	1	0	21.05	20.64	21.12	20.64	20.96	21.9
5	64QAM	1	12	21.07	20.81	21.00	20.54	20.77	
5	64QAM	1	24	20.76	20.71	20.94	20.54	20.65	
5	64QAM	12	0	20.30	20.05	20.08	20.07	19.95	20.9
5	64QAM	12	7	20.37	20.10	20.02	20.15	19.95	
5	64QAM	12	13	20.14	19.98	20.21	19.98	20.00	
5	64QAM	25	0	20.31	20.07	19.91	20.11	20.12	
5	256QAM	1	0	18.28	17.96	17.99	18.06	18.03	18.9
5	256QAM	1	12	18.29	17.99	18.11	17.83	17.81	
5	256QAM	1	24	18.23	18.07	18.11	17.83	17.90	
5	256QAM	12	0	18.39	18.11	18.09	18.04	18.20	18.9
5	256QAM	12	7	18.30	17.99	18.22	18.13	17.80	
5	256QAM	12	13	18.29	17.98	18.02	18.10	17.88	
5	256QAM	25	0	18.21	18.01	18.05	18.07	18.03	



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Channel	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	19.16	18.66	18.87	18.99	18.92	19.3
20	QPSK	1	49	19.03	18.47	18.85	18.71	18.86	
20	QPSK	1	99	18.97	18.56	18.68	18.65	18.84	
20	QPSK	50	0	19.09	18.68	18.95	18.80	18.96	19.3
20	QPSK	50	24	19.03	18.63	18.84	18.74	18.92	
20	QPSK	50	50	19.02	18.58	18.80	18.67	18.93	
20	QPSK	100	0	18.95	18.59	18.88	18.86	18.90	19.3
20	16QAM	1	0	19.10	18.82	19.05	18.90	19.01	
20	16QAM	1	49	19.06	18.62	18.71	18.80	18.90	
20	16QAM	1	99	18.89	18.78	18.85	18.79	19.13	19.3
20	16QAM	50	0	18.43	18.07	18.26	18.23	18.34	
20	16QAM	50	24	18.41	18.00	18.25	18.16	18.35	
20	16QAM	50	50	18.42	18.01	18.15	18.12	18.38	19.3
20	16QAM	100	0	18.54	18.10	18.25	18.20	18.39	
20	64QAM	1	0	19.04	18.85	18.82	19.11	18.84	
20	64QAM	1	49	18.85	18.59	18.91	18.77	18.76	19.3
20	64QAM	1	99	19.09	18.62	18.66	18.60	18.79	
20	64QAM	50	0	18.85	18.43	18.67	18.65	18.81	
20	64QAM	50	24	18.81	18.43	18.78	18.62	18.77	19.3
20	64QAM	50	50	18.99	18.32	18.68	18.47	18.68	
20	64QAM	100	0	18.88	18.45	18.71	18.66	18.74	
20	256QAM	1	0	17.42	16.94	17.27	17.09	17.12	18.5
20	256QAM	1	49	17.29	16.78	17.15	16.87	16.98	
20	256QAM	1	99	17.20	16.74	17.13	16.85	16.91	
20	256QAM	50	0	17.63	17.17	17.49	17.29	17.24	18.5
20	256QAM	50	24	17.60	17.13	17.45	17.16	17.25	
20	256QAM	50	50	17.58	17.03	17.36	17.13	17.23	
20	256QAM	100	0	17.48	17.07	17.32	17.14	17.13	Tune-up limit (dBm)
Channel	39725	40173	40620	41068	41515				
Channel	2503.5	2548.3	2593	2637.8	2682.5				
Frequency (MHz)	2503.5	2548.3	2593	2637.8	2682.5				
15	QPSK	1	0	18.97	18.52	18.73	18.85	18.89	19.30
15	QPSK	1	37	18.94	18.27	18.70	18.74	18.71	
15	QPSK	1	74	18.89	18.39	18.59	18.60	18.84	
15	QPSK	36	0	18.93	18.41	18.87	18.86	18.79	19.3
15	QPSK	36	20	18.80	18.72	18.72	18.90	18.86	
15	QPSK	36	39	18.82	18.50	18.73	18.49	18.97	
15	QPSK	75	0	18.94	18.55	18.74	18.63	18.91	19.3
15	16QAM	1	0	19.09	18.87	18.89	18.82	18.79	
15	16QAM	1	37	18.97	18.46	18.65	18.77	18.90	
15	16QAM	1	74	18.62	18.57	18.73	18.56	19.03	19.3
15	16QAM	36	0	18.35	17.83	18.24	18.04	18.19	
15	16QAM	36	20	18.35	17.83	18.17	17.99	18.14	
15	16QAM	36	39	18.30	17.90	18.15	18.03	18.20	19.3
15	16QAM	75	0	18.39	18.08	18.16	18.19	18.15	
15	64QAM	1	0	19.11	18.70	18.73	18.93	18.77	
15	64QAM	1	37	18.65	18.46	18.78	18.68	18.73	19.3
15	64QAM	1	74	18.80	18.48	18.65	18.59	18.53	
15	64QAM	36	0	18.76	18.42	18.52	18.51	18.73	
15	64QAM	36	20	18.85	18.38	18.63	18.57	18.66	19.3
15	64QAM	36	39	18.80	18.19	18.62	18.35	18.54	
15	64QAM	75	0	18.70	18.47	18.68	18.46	18.55	
15	256QAM	1	0	17.30	16.96	17.18	16.94	17.10	18.5
15	256QAM	1	37	17.31	16.62	17.08	16.76	16.91	
15	256QAM	1	74	17.13	16.69	17.12	16.73	16.66	
15	256QAM	36	0	17.45	16.97	17.43	17.19	17.14	18.5
15	256QAM	36	20	17.53	17.02	17.19	17.11	17.09	



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15	256QAM	36	39	17.37	16.99	17.27	17.05	17.17	
15	256QAM	75	0	17.32	16.92	17.14	17.10	16.97	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	19.15	18.55	18.73	18.82	18.81	19.30
10	QPSK	1	25	19.04	18.24	18.71	18.66	18.70	
10	QPSK	1	49	18.97	18.42	18.56	18.50	18.85	
10	QPSK	25	0	18.94	18.62	18.86	18.86	18.74	19.3
10	QPSK	25	12	18.90	18.85	18.81	18.82	18.68	
10	QPSK	25	25	18.87	18.44	18.72	18.56	18.76	
10	QPSK	50	0	18.87	18.45	18.79	18.73	18.84	
10	16QAM	1	0	19.11	18.65	18.93	18.72	18.93	19.3
10	16QAM	1	25	18.85	18.53	18.61	18.65	18.73	
10	16QAM	1	49	18.85	18.71	18.72	18.66	19.08	
10	16QAM	25	0	18.44	17.86	18.34	18.13	18.22	19.3
10	16QAM	25	12	18.35	18.01	18.05	18.02	18.17	
10	16QAM	25	25	18.39	17.91	18.13	17.92	18.30	
10	16QAM	50	0	18.51	17.96	18.14	18.09	18.16	
10	64QAM	1	0	19.01	18.73	18.86	19.06	18.80	19.3
10	64QAM	1	25	18.73	18.58	18.82	18.60	18.60	
10	64QAM	1	49	19.04	18.53	18.52	18.67	18.62	
10	64QAM	25	0	18.74	18.28	18.54	18.64	18.71	19.3
10	64QAM	25	12	18.70	18.29	18.68	18.35	18.66	
10	64QAM	25	25	18.81	18.38	18.52	18.45	18.55	
10	64QAM	50	0	18.79	18.37	18.66	18.62	18.56	
10	256QAM	1	0	17.50	16.80	17.15	16.99	17.00	18.5
10	256QAM	1	25	17.25	16.60	17.02	16.78	16.90	
10	256QAM	1	49	17.06	16.63	17.06	16.70	16.80	
10	256QAM	25	0	17.52	16.99	17.37	17.21	17.19	18.5
10	256QAM	25	12	17.42	17.01	17.32	17.02	17.19	
10	256QAM	25	25	17.53	17.02	17.34	17.18	17.04	
10	256QAM	50	0	17.36	16.97	17.18	17.05	16.93	
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	18.95	18.39	18.63	18.77	18.77	19.30
5	QPSK	1	12	18.76	18.22	18.45	18.59	18.71	
5	QPSK	1	24	18.84	18.32	18.39	18.46	18.61	
5	QPSK	12	0	18.92	18.45	18.80	18.69	18.69	19.3
5	QPSK	12	7	18.77	18.70	18.60	18.71	18.69	
5	QPSK	12	13	18.94	18.19	18.71	18.50	18.94	
5	QPSK	25	0	18.74	18.33	18.68	18.51	18.85	
5	16QAM	1	0	19.08	18.56	18.91	18.68	18.80	19.3
5	16QAM	1	12	18.96	18.63	18.59	18.58	18.89	
5	16QAM	1	24	18.46	18.54	18.77	18.61	18.84	
5	16QAM	12	0	18.24	17.71	18.06	17.89	18.05	19.3
5	16QAM	12	7	18.21	17.67	17.97	17.85	18.28	
5	16QAM	12	13	18.41	17.94	18.05	17.97	18.15	
5	16QAM	25	0	18.29	17.92	18.03	18.07	18.12	
5	64QAM	1	0	19.14	18.70	18.64	18.92	18.61	19.3
5	64QAM	1	12	18.83	18.50	18.82	18.46	18.50	
5	64QAM	1	24	18.77	18.48	18.52	18.56	18.53	
5	64QAM	12	0	18.65	18.17	18.44	18.49	18.60	19.3
5	64QAM	12	7	18.62	18.25	18.49	18.46	18.59	
5	64QAM	12	13	18.82	18.14	18.49	18.38	18.44	
5	64QAM	25	0	18.90	18.28	18.54	18.35	18.51	
5	256QAM	1	0	17.48	16.89	17.24	16.90	16.97	18.5
5	256QAM	1	12	16.94	16.60	17.13	16.70	16.77	
5	256QAM	1	24	17.07	16.71	16.77	16.69	16.69	
5	256QAM	12	0	17.44	17.02	17.10	17.05	17.06	18.5
5	256QAM	12	7	17.47	17.07	17.30	17.10	16.98	
5	256QAM	12	13	17.37	16.89	17.13	16.83	17.02	
5	256QAM	25	0	17.07	16.85	17.14	16.88	16.87	



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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	22.10	21.62	21.96	21.91	21.92	23.1
20	QPSK	1	49	22.07	21.41	21.87	21.69	21.90	
20	QPSK	1	99	22.03	21.54	21.69	21.66	21.86	
20	QPSK	50	0	21.60	21.05	21.31	21.40	21.34	22.5
20	QPSK	50	24	21.59	21.02	21.30	21.38	21.31	
20	QPSK	50	50	21.51	21.06	21.23	21.19	21.32	
20	QPSK	100	0	21.39	21.05	21.27	21.21	21.35	22.5
20	16QAM	1	0	21.72	21.40	21.50	21.36	21.42	
20	16QAM	1	49	21.58	21.11	21.04	21.25	21.42	
20	16QAM	1	99	21.37	21.15	21.29	21.19	21.50	21.5
20	16QAM	50	0	20.43	20.00	20.29	20.13	20.36	
20	16QAM	50	24	20.56	20.08	20.29	20.29	20.41	
20	16QAM	50	50	20.56	20.06	20.26	20.10	20.51	21.5
20	16QAM	100	0	20.64	20.19	20.38	20.37	20.48	
20	64QAM	1	0	20.30	19.96	19.88	20.20	19.86	
20	64QAM	1	49	19.89	19.59	20.08	19.76	19.79	21.5
20	64QAM	1	99	20.03	19.61	19.75	19.75	19.90	
20	64QAM	50	0	19.45	19.01	19.13	19.27	19.36	
20	64QAM	50	24	19.40	19.05	19.40	19.17	19.28	20.5
20	64QAM	50	50	19.52	18.93	19.26	18.98	19.20	
20	64QAM	100	0	19.41	19.02	19.17	19.14	19.18	
20	256QAM	1	0	17.55	16.96	17.30	17.03	17.22	18.5
20	256QAM	1	49	17.25	16.84	17.10	17.07	17.15	
20	256QAM	1	99	17.35	16.89	17.13	16.83	16.97	
20	256QAM	50	0	17.63	17.27	17.45	17.24	17.25	18.5
20	256QAM	50	24	17.57	17.27	17.38	17.17	17.28	
20	256QAM	50	50	17.60	17.04	17.42	17.21	17.16	
20	256QAM	100	0	17.47	17.06	17.47	17.13	17.12	
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	21.96	21.52	21.74	21.87	21.86	23.10
15	QPSK	1	37	21.97	21.31	21.66	21.66	21.72	
15	QPSK	1	74	21.89	21.40	21.53	21.60	21.82	
15	QPSK	36	0	21.46	20.99	21.41	21.27	21.14	22.5
15	QPSK	36	20	21.21	21.25	21.13	21.37	21.20	
15	QPSK	36	39	21.22	20.94	21.10	20.91	21.43	
15	QPSK	75	0	21.30	21.11	21.22	21.12	21.42	22.5
15	16QAM	1	0	21.79	21.32	21.32	21.25	21.24	
15	16QAM	1	37	21.38	21.03	21.10	21.31	21.23	
15	16QAM	1	74	21.18	20.99	21.06	21.02	21.51	21.5
15	16QAM	36	0	20.49	19.84	20.33	20.16	20.11	
15	16QAM	36	20	20.25	19.76	20.25	19.96	20.27	
15	16QAM	36	39	20.28	20.03	20.21	20.13	20.33	21.5
15	16QAM	75	0	20.47	20.02	20.09	20.25	20.14	
15	64QAM	1	0	20.24	19.83	19.79	19.86	19.80	
15	64QAM	1	37	19.78	19.66	19.84	19.84	19.75	21.5
15	64QAM	1	74	19.84	19.54	19.64	19.70	19.66	
15	64QAM	36	0	19.41	18.91	19.16	19.13	19.21	
15	64QAM	36	20	19.45	18.95	19.20	19.15	19.34	20.5
15	64QAM	36	39	19.30	18.66	19.26	18.96	19.20	
15	64QAM	75	0	19.30	19.08	19.16	19.02	19.15	
15	256QAM	1	0	17.30	17.01	17.36	17.12	17.23	18.5
15	256QAM	1	37	17.43	16.64	17.13	16.85	16.85	
15	256QAM	1	74	17.08	16.73	17.16	16.69	16.63	
15	256QAM	36	0	17.46	17.05	17.49	17.29	17.17	18.5
15	256QAM	36	20	17.54	17.08	17.30	17.23	17.10	



**FCC SAR TEST REPORT**

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15	256QAM	36	39	17.51	17.01	17.43	17.11	17.18	
15	256QAM	75	0	17.43	16.89	17.12	17.22	17.01	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	22.13	21.52	21.81	21.77	21.88	23.10
10	QPSK	1	25	22.01	21.22	21.72	21.65	21.68	
10	QPSK	1	49	21.99	21.41	21.55	21.48	21.88	
10	QPSK	25	0	21.49	21.06	21.40	21.24	21.21	22.5
10	QPSK	25	12	21.43	21.25	21.24	21.14	21.08	
10	QPSK	25	25	21.25	20.79	21.11	21.14	21.21	
10	QPSK	50	0	21.25	20.92	21.30	21.13	21.28	
10	16QAM	1	0	21.55	21.20	21.37	21.14	21.34	22.5
10	16QAM	1	25	21.33	21.05	20.99	21.17	21.30	
10	16QAM	1	49	21.25	21.25	21.18	21.00	21.40	
10	16QAM	25	0	20.52	20.06	20.28	20.07	20.28	21.5
10	16QAM	25	12	20.44	20.04	20.12	20.06	20.16	
10	16QAM	25	25	20.35	19.97	20.25	19.90	20.30	
10	16QAM	50	0	20.47	20.00	20.18	20.15	20.30	
10	64QAM	1	0	19.97	19.68	19.88	20.05	19.86	21.5
10	64QAM	1	25	19.66	19.67	19.82	19.56	19.60	
10	64QAM	1	49	20.15	19.68	19.64	19.78	19.69	
10	64QAM	25	0	19.26	18.76	19.17	19.26	19.17	20.5
10	64QAM	25	12	19.32	18.76	19.21	18.91	19.22	
10	64QAM	25	25	19.22	18.79	19.03	18.99	19.20	
10	64QAM	50	0	19.23	19.00	19.30	19.08	19.07	
10	256QAM	1	0	17.48	16.89	17.19	17.02	17.10	18.5
10	256QAM	1	25	17.31	16.75	17.17	16.86	16.92	
10	256QAM	1	49	17.18	16.65	17.14	16.75	16.90	
10	256QAM	25	0	17.56	16.91	17.28	17.35	17.29	18.5
10	256QAM	25	12	17.49	17.20	17.39	17.09	17.37	
10	256QAM	25	25	17.46	16.98	17.42	17.24	17.04	
10	256QAM	50	0	17.49	17.09	17.27	17.01	17.07	
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	21.97	21.36	21.57	21.74	21.87	23.10
5	QPSK	1	12	21.81	21.31	21.44	21.60	21.73	
5	QPSK	1	24	21.86	21.35	21.44	21.42	21.58	
5	QPSK	12	0	21.46	20.97	21.13	21.14	21.22	22.5
5	QPSK	12	7	21.22	21.23	21.01	21.22	21.18	
5	QPSK	12	13	21.30	20.63	21.14	20.92	21.28	
5	QPSK	25	0	21.28	20.75	21.12	20.98	21.26	
5	16QAM	1	0	21.59	21.08	21.37	21.11	21.32	22.5
5	16QAM	1	12	21.55	21.05	21.11	21.14	21.27	
5	16QAM	1	24	20.99	20.94	21.09	20.99	21.18	
5	16QAM	12	0	20.36	19.79	20.17	19.80	20.11	21.5
5	16QAM	12	7	20.25	19.64	19.91	19.91	20.20	
5	16QAM	12	13	20.53	20.05	20.14	19.93	20.24	
5	16QAM	25	0	20.28	20.02	20.14	20.03	20.22	
5	64QAM	1	0	20.07	19.77	19.72	19.91	19.65	21.5
5	64QAM	1	12	19.78	19.54	19.82	19.61	19.68	
5	64QAM	1	24	19.92	19.50	19.58	19.63	19.56	
5	64QAM	12	0	19.19	18.64	18.99	19.15	19.16	20.5
5	64QAM	12	7	19.26	18.90	19.04	18.93	19.23	
5	64QAM	12	13	19.33	18.71	18.94	18.99	18.93	
5	64QAM	25	0	19.40	18.88	19.21	18.95	19.17	
5	256QAM	1	0	17.48	17.00	17.23	17.04	16.97	18.5
5	256QAM	1	12	17.02	16.60	17.23	16.71	16.74	
5	256QAM	1	24	17.00	16.69	16.76	16.64	16.72	
5	256QAM	12	0	17.52	17.03	17.16	17.22	17.04	18.5
5	256QAM	12	7	17.47	17.17	17.45	17.18	17.05	
5	256QAM	12	13	17.37	17.00	17.19	16.84	17.13	
5	256QAM	25	0	17.15	16.89	17.21	17.03	16.88	



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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	22.10	21.62	21.96	21.91	21.92	22.4
20	QPSK	1	49	22.07	21.41	21.87	21.69	21.90	
20	QPSK	1	99	22.03	21.54	21.69	21.66	21.86	
20	QPSK	50	0	21.60	21.05	21.31	21.40	21.34	22.4
20	QPSK	50	24	21.59	21.02	21.30	21.38	21.31	
20	QPSK	50	50	21.51	21.06	21.23	21.19	21.32	
20	QPSK	100	0	21.39	21.05	21.27	21.21	21.35	22.4
20	16QAM	1	0	21.72	21.40	21.50	21.36	21.42	
20	16QAM	1	49	21.58	21.11	21.04	21.25	21.42	
20	16QAM	1	99	21.37	21.15	21.29	21.19	21.50	21.5
20	16QAM	50	0	20.43	20.00	20.29	20.13	20.36	
20	16QAM	50	24	20.56	20.08	20.29	20.29	20.41	
20	16QAM	50	50	20.56	20.06	20.26	20.10	20.51	21.5
20	16QAM	100	0	20.64	20.19	20.38	20.37	20.48	
20	64QAM	1	0	20.30	19.96	19.88	20.20	19.86	
20	64QAM	1	49	19.89	19.59	20.08	19.76	19.79	21.5
20	64QAM	1	99	20.03	19.61	19.75	19.75	19.90	
20	64QAM	50	0	19.45	19.01	19.13	19.27	19.36	
20	64QAM	50	24	19.40	19.05	19.40	19.17	19.28	20.5
20	64QAM	50	50	19.52	18.93	19.26	18.98	19.20	
20	64QAM	100	0	19.41	19.02	19.17	19.14	19.18	
20	256QAM	1	0	17.55	16.96	17.30	17.03	17.22	18.5
20	256QAM	1	49	17.25	16.84	17.10	17.07	17.15	
20	256QAM	1	99	17.35	16.89	17.13	16.83	16.97	
20	256QAM	50	0	17.63	17.27	17.45	17.24	17.25	18.5
20	256QAM	50	24	17.57	17.27	17.38	17.17	17.28	
20	256QAM	50	50	17.60	17.04	17.42	17.21	17.16	
20	256QAM	100	0	17.47	17.06	17.47	17.13	17.12	18.5
Channel				39725	40173	40620	41068	41515	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Tune-up limit (dBm)
15	QPSK	1	0	21.96	21.52	21.74	21.87	21.86	22.40
15	QPSK	1	37	21.97	21.31	21.66	21.66	21.72	
15	QPSK	1	74	21.89	21.40	21.53	21.60	21.82	
15	QPSK	36	0	21.46	20.99	21.41	21.27	21.14	22.4
15	QPSK	36	20	21.21	21.25	21.13	21.37	21.20	
15	QPSK	36	39	21.22	20.94	21.10	20.91	21.43	
15	QPSK	75	0	21.30	21.11	21.22	21.12	21.42	22.4
15	16QAM	1	0	21.79	21.32	21.32	21.25	21.24	
15	16QAM	1	37	21.38	21.03	21.10	21.31	21.23	
15	16QAM	1	74	21.18	20.99	21.06	21.02	21.51	21.5
15	16QAM	36	0	20.49	19.84	20.33	20.16	20.11	
15	16QAM	36	20	20.25	19.76	20.25	19.96	20.27	
15	16QAM	36	39	20.28	20.03	20.21	20.13	20.33	21.5
15	16QAM	75	0	20.47	20.02	20.09	20.25	20.14	
15	64QAM	1	0	20.24	19.83	19.79	19.86	19.80	
15	64QAM	1	37	19.78	19.66	19.84	19.84	19.75	21.5
15	64QAM	1	74	19.84	19.54	19.64	19.70	19.66	
15	64QAM	36	0	19.41	18.91	19.16	19.13	19.21	
15	64QAM	36	20	19.45	18.95	19.20	19.15	19.34	20.5
15	64QAM	36	39	19.30	18.66	19.26	18.96	19.20	
15	64QAM	75	0	19.30	19.08	19.16	19.02	19.15	
15	256QAM	1	0	17.30	17.01	17.36	17.12	17.23	18.5
15	256QAM	1	37	17.43	16.64	17.13	16.85	16.85	
15	256QAM	1	74	17.08	16.73	17.16	16.69	16.63	
15	256QAM	36	0	17.46	17.05	17.49	17.29	17.17	18.5
15	256QAM	36	20	17.54	17.08	17.30	17.23	17.10	



**FCC SAR TEST REPORT**

**Report No. :FA2D0206-01F**

15	256QAM	36	39	17.51	17.01	17.43	17.11	17.18	Tune-up limit (dBm)
15	256QAM	75	0	17.43	16.89	17.12	17.22	17.01	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	22.13	21.52	21.81	21.77	21.88	22.40
10	QPSK	1	25	22.01	21.22	21.72	21.65	21.68	
10	QPSK	1	49	21.99	21.41	21.55	21.48	21.88	
10	QPSK	25	0	21.49	21.06	21.40	21.24	21.21	22.4
10	QPSK	25	12	21.43	21.25	21.24	21.14	21.08	
10	QPSK	25	25	21.25	20.79	21.11	21.14	21.21	
10	QPSK	50	0	21.25	20.92	21.30	21.13	21.28	
10	16QAM	1	0	21.55	21.20	21.37	21.14	21.34	22.4
10	16QAM	1	25	21.33	21.05	20.99	21.17	21.30	
10	16QAM	1	49	21.25	21.25	21.18	21.00	21.40	
10	16QAM	25	0	20.52	20.06	20.28	20.07	20.28	21.5
10	16QAM	25	12	20.44	20.04	20.12	20.06	20.16	
10	16QAM	25	25	20.35	19.97	20.25	19.90	20.30	
10	16QAM	50	0	20.47	20.00	20.18	20.15	20.30	
10	64QAM	1	0	19.97	19.68	19.88	20.05	19.86	21.5
10	64QAM	1	25	19.66	19.67	19.82	19.56	19.60	
10	64QAM	1	49	20.15	19.68	19.64	19.78	19.69	
10	64QAM	25	0	19.26	18.76	19.17	19.26	19.17	20.5
10	64QAM	25	12	19.32	18.76	19.21	18.91	19.22	
10	64QAM	25	25	19.22	18.79	19.03	18.99	19.20	
10	64QAM	50	0	19.23	19.00	19.30	19.08	19.07	
10	256QAM	1	0	17.48	16.89	17.19	17.02	17.10	18.5
10	256QAM	1	25	17.31	16.75	17.17	16.86	16.92	
10	256QAM	1	49	17.18	16.65	17.14	16.75	16.90	
10	256QAM	25	0	17.56	16.91	17.28	17.35	17.29	18.5
10	256QAM	25	12	17.49	17.20	17.39	17.09	17.37	
10	256QAM	25	25	17.46	16.98	17.42	17.24	17.04	
10	256QAM	50	0	17.49	17.09	17.27	17.01	17.07	
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	21.97	21.36	21.57	21.74	21.87	22.40
5	QPSK	1	12	21.81	21.31	21.44	21.60	21.73	
5	QPSK	1	24	21.86	21.35	21.44	21.42	21.58	
5	QPSK	12	0	21.46	20.97	21.13	21.14	21.22	22.4
5	QPSK	12	7	21.22	21.23	21.01	21.22	21.18	
5	QPSK	12	13	21.30	20.63	21.14	20.92	21.28	
5	QPSK	25	0	21.28	20.75	21.12	20.98	21.26	
5	16QAM	1	0	21.59	21.08	21.37	21.11	21.32	22.4
5	16QAM	1	12	21.55	21.05	21.11	21.14	21.27	
5	16QAM	1	24	20.99	20.94	21.09	20.99	21.18	
5	16QAM	12	0	20.36	19.79	20.17	19.80	20.11	21.5
5	16QAM	12	7	20.25	19.64	19.91	19.91	20.20	
5	16QAM	12	13	20.53	20.05	20.14	19.93	20.24	
5	16QAM	25	0	20.28	20.02	20.14	20.03	20.22	
5	64QAM	1	0	20.07	19.77	19.72	19.91	19.65	21.5
5	64QAM	1	12	19.78	19.54	19.82	19.61	19.68	
5	64QAM	1	24	19.92	19.50	19.58	19.63	19.56	
5	64QAM	12	0	19.19	18.64	18.99	19.15	19.16	20.5
5	64QAM	12	7	19.26	18.90	19.04	18.93	19.23	
5	64QAM	12	13	19.33	18.71	18.94	18.99	18.93	
5	64QAM	25	0	19.40	18.88	19.21	18.95	19.17	
5	256QAM	1	0	17.48	17.00	17.23	17.04	16.97	18.5
5	256QAM	1	12	17.02	16.60	17.23	16.71	16.74	
5	256QAM	1	24	17.00	16.69	16.76	16.64	16.72	
5	256QAM	12	0	17.52	17.03	17.16	17.22	17.04	18.5
5	256QAM	12	7	17.47	17.17	17.45	17.18	17.05	
5	256QAM	12	13	17.37	17.00	17.19	16.84	17.13	
5	256QAM	25	0	17.15	16.89	17.21	17.03	16.88	





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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	26.31	26.12	26.22	26.18	26.14	26.9
20	QPSK	1	49	26.30	26.11	26.17	26.14	26.13	
20	QPSK	1	99	26.24	26.02	26.09	26.06	26.13	
20	QPSK	50	0	25.48	25.15	25.22	25.20	25.19	25.9
20	QPSK	50	24	25.42	25.13	25.13	25.15	25.15	
20	QPSK	50	50	25.33	25.10	25.10	25.18	25.17	
20	QPSK	100	0	25.34	25.18	25.15	25.17	25.17	25.9
20	16QAM	1	0	25.55	25.37	25.46	25.43	25.41	
20	16QAM	1	49	25.50	25.29	25.31	25.38	25.33	
20	16QAM	1	99	25.43	25.21	25.24	25.16	25.18	24.9
20	16QAM	50	0	24.45	24.15	24.22	24.19	24.22	
20	16QAM	50	24	24.40	24.15	24.13	24.18	24.20	
20	16QAM	50	50	24.31	24.14	24.11	24.12	24.13	24.9
20	16QAM	100	0	24.45	24.08	24.24	24.18	24.23	
20	64QAM	1	0	24.49	24.16	24.56	24.12	24.30	
20	64QAM	1	49	24.27	23.89	24.28	23.83	23.88	24.9
20	64QAM	1	99	24.21	23.93	23.93	23.88	23.87	
20	64QAM	50	0	23.40	23.10	23.17	23.16	23.21	
20	64QAM	50	24	23.34	23.09	23.11	23.13	23.17	23.9
20	64QAM	50	50	23.25	23.08	23.00	23.08	23.13	
20	64QAM	100	0	23.33	23.17	23.18	23.10	23.13	
20	256QAM	1	0	21.70	21.37	21.34	21.24	21.46	21.9
20	256QAM	1	49	21.63	21.31	21.28	21.18	21.30	
20	256QAM	1	99	21.33	21.02	21.00	20.84	21.02	
20	256QAM	50	0	21.62	21.24	21.28	21.10	21.37	21.9
20	256QAM	50	24	21.58	21.26	21.30	21.12	21.36	
20	256QAM	50	50	21.43	21.13	21.14	20.96	21.24	
20	256QAM	100	0	21.44	21.06	21.12	21.02	21.19	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	26.21	26.09	26.09	26.13	26.08	26.90
15	QPSK	1	37	26.12	26.12	26.02	26.17	26.05	
15	QPSK	1	74	26.20	26.01	25.94	26.03	25.98	
15	QPSK	36	0	25.43	24.96	25.02	25.03	25.11	25.9
15	QPSK	36	20	25.22	25.03	25.20	25.16	25.01	
15	QPSK	36	39	25.33	25.00	25.02	25.08	25.14	
15	QPSK	75	0	25.22	24.98	25.15	25.00	24.99	25.9
15	16QAM	1	0	25.54	25.29	25.37	25.28	25.39	
15	16QAM	1	37	25.30	25.22	25.12	25.20	25.24	
15	16QAM	1	74	25.42	25.08	25.14	25.02	25.04	24.9
15	16QAM	36	0	24.38	24.15	24.14	24.19	24.18	
15	16QAM	36	20	24.21	24.00	23.96	24.15	24.08	
15	16QAM	36	39	24.28	23.98	23.94	23.92	23.95	24.9
15	16QAM	75	0	24.26	23.89	24.05	23.99	24.17	
15	64QAM	1	0	24.35	23.98	24.45	24.10	24.19	
15	64QAM	1	37	24.14	23.86	24.26	23.70	23.70	24.9
15	64QAM	1	74	24.04	23.92	23.73	23.68	23.84	
15	64QAM	36	0	23.32	22.97	23.13	23.08	23.14	
15	64QAM	36	20	23.28	23.02	22.93	23.09	23.12	23.9
15	64QAM	36	39	23.25	23.03	22.92	22.89	23.11	
15	64QAM	75	0	23.21	23.02	23.16	23.09	23.11	
15	256QAM	1	0	21.69	21.37	21.15	21.11	21.28	21.9
15	256QAM	1	37	21.53	21.15	21.27	21.01	21.29	
15	256QAM	1	74	21.17	20.96	20.88	20.74	20.85	
15	256QAM	36	0	21.58	21.05	21.21	20.99	21.26	21.9
15	256QAM	36	20	21.46	21.08	21.23	21.05	21.23	





**FCC SAR TEST REPORT**

**Report No. :FA2D0206-01F**

15	256QAM	36	39	21.24	20.96	21.14	20.94	21.19	Tune-up limit (dBm)
15	256QAM	75	0	21.28	20.99	21.04	20.94	21.05	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	26.18	26.08	26.06	26.02	26.06	26.90
10	QPSK	1	25	26.22	25.96	26.01	26.11	26.08	
10	QPSK	1	49	26.14	25.86	25.97	26.01	26.01	
10	QPSK	25	0	25.39	24.98	25.21	25.16	25.17	25.9
10	QPSK	25	12	25.37	25.10	25.20	25.23	25.14	
10	QPSK	25	25	25.15	24.93	24.94	25.05	25.10	
10	QPSK	50	0	25.19	25.16	25.04	25.00	24.98	
10	16QAM	1	0	25.55	25.25	25.40	25.33	25.41	25.9
10	16QAM	1	25	25.44	25.23	25.11	25.22	25.23	
10	16QAM	1	49	25.37	25.05	25.18	25.04	25.11	
10	16QAM	25	0	24.30	23.99	24.11	24.04	24.12	24.9
10	16QAM	25	12	24.27	24.10	23.99	24.06	24.09	
10	16QAM	25	25	24.20	24.12	24.10	23.99	24.08	
10	16QAM	50	0	24.35	23.91	24.14	24.09	24.10	
10	64QAM	1	0	24.35	24.16	24.56	24.08	24.25	24.9
10	64QAM	1	25	24.20	23.88	24.22	23.70	23.69	
10	64QAM	1	49	24.12	23.93	23.90	23.82	23.82	
10	64QAM	25	0	23.40	23.04	23.07	23.08	23.21	23.9
10	64QAM	25	12	23.33	22.94	23.01	23.06	23.16	
10	64QAM	25	25	23.06	23.04	22.88	22.98	22.93	
10	64QAM	50	0	23.19	23.11	22.98	22.91	23.01	
10	256QAM	1	0	21.63	21.24	21.29	21.10	21.31	21.9
10	256QAM	1	25	21.47	21.21	21.16	21.01	21.22	
10	256QAM	1	49	21.21	20.90	20.98	20.71	20.95	
10	256QAM	25	0	21.53	21.23	21.19	20.93	21.22	21.9
10	256QAM	25	12	21.52	21.11	21.27	21.12	21.31	
10	256QAM	25	25	21.38	20.97	21.08	20.86	21.13	
10	256QAM	50	0	21.42	20.92	21.01	20.99	21.00	
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	26.29	26.01	26.21	26.15	26.11	26.90
5	QPSK	1	12	26.12	26.11	26.07	26.11	26.15	
5	QPSK	1	24	26.04	25.83	25.98	25.98	26.10	
5	QPSK	12	0	25.32	24.96	25.16	25.17	25.18	25.9
5	QPSK	12	7	25.36	24.96	25.14	25.08	24.98	
5	QPSK	12	13	25.15	25.00	25.10	25.04	25.15	
5	QPSK	25	0	25.22	25.06	25.03	25.06	25.12	
5	16QAM	1	0	25.42	25.35	25.37	25.39	25.36	25.9
5	16QAM	1	12	25.38	25.21	25.16	25.36	25.20	
5	16QAM	1	24	25.40	25.07	25.19	25.00	25.09	
5	16QAM	12	0	24.35	24.01	24.10	24.06	24.16	24.9
5	16QAM	12	7	24.24	24.13	23.98	24.14	24.06	
5	16QAM	12	13	24.18	23.95	23.91	23.95	24.02	
5	16QAM	25	0	24.26	24.04	24.17	24.10	24.20	
5	64QAM	1	0	24.32	24.16	24.42	24.04	24.30	24.9
5	64QAM	1	12	24.21	23.78	24.08	23.74	23.81	
5	64QAM	1	24	24.09	23.81	23.90	23.71	23.72	
5	64QAM	12	0	23.32	22.95	23.08	22.99	23.08	23.9
5	64QAM	12	7	23.31	23.08	22.96	22.97	23.09	
5	64QAM	12	13	23.18	23.00	22.86	23.06	23.13	
5	64QAM	25	0	23.17	23.17	23.09	22.99	22.95	
5	256QAM	1	0	21.52	21.31	21.25	21.16	21.42	21.9
5	256QAM	1	12	21.48	21.18	21.13	21.05	21.24	
5	256QAM	1	24	21.21	20.92	20.87	20.65	20.88	
5	256QAM	12	0	21.62	21.07	21.28	21.06	21.30	21.9
5	256QAM	12	7	21.38	21.08	21.10	21.08	21.36	
5	256QAM	12	13	21.30	21.12	21.01	20.92	21.11	
5	256QAM	25	0	21.43	20.88	20.94	20.84	21.04	



<LTE Band 41\_HPUE\_Ant 0\_Index 2/3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	25.54	25.07	25.30	25.39	25.38	26.5
20	QPSK	1	49	25.45	25.02	25.33	25.18	25.42	
20	QPSK	1	99	25.40	24.93	25.22	25.00	25.34	
20	QPSK	50	0	24.60	24.22	24.36	24.29	24.44	25.5
20	QPSK	50	24	24.53	24.06	24.27	24.26	24.35	
20	QPSK	50	50	24.48	24.00	24.24	24.22	24.37	
20	QPSK	100	0	24.52	24.10	24.28	24.28	24.44	25.5
20	16QAM	1	0	24.84	24.68	24.74	24.79	24.71	
20	16QAM	1	49	24.84	24.24	24.67	24.42	24.61	
20	16QAM	1	99	24.69	24.34	24.55	24.33	24.66	24.5
20	16QAM	50	0	23.60	23.05	23.30	23.24	23.44	
20	16QAM	50	24	23.54	23.08	23.35	23.19	23.46	
20	16QAM	50	50	23.47	23.02	23.24	23.26	23.40	24.5
20	16QAM	100	0	23.52	23.02	23.28	23.23	23.40	
20	64QAM	1	0	23.22	22.78	23.51	23.01	23.12	
20	64QAM	1	49	23.42	22.85	23.37	22.99	22.99	24.5
20	64QAM	1	99	23.32	22.87	23.27	22.98	23.09	
20	64QAM	50	0	22.68	22.17	22.35	22.34	22.38	
20	64QAM	50	24	22.51	22.12	22.29	22.18	22.42	23.5
20	64QAM	50	50	22.48	22.06	22.27	22.14	22.38	
20	64QAM	100	0	22.53	22.05	22.34	22.25	22.35	
20	256QAM	1	0	20.46	20.03	20.46	20.19	20.30	21.5
20	256QAM	1	49	20.38	19.94	20.41	20.13	20.19	
20	256QAM	1	99	20.29	19.88	20.38	20.10	20.21	
20	256QAM	50	0	20.38	20.01	20.45	20.08	20.20	21.5
20	256QAM	50	24	20.43	19.98	20.44	20.11	20.21	
20	256QAM	50	50	20.27	19.89	20.37	20.03	20.12	
20	256QAM	100	0	20.34	19.90	20.35	20.02	20.17	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	25.35	24.92	25.19	25.33	25.24	26.50
15	QPSK	1	37	25.27	24.82	25.27	25.15	25.41	
15	QPSK	1	74	25.29	24.74	25.20	24.87	25.27	
15	QPSK	36	0	24.50	24.20	24.25	24.22	24.33	25.5
15	QPSK	36	20	24.51	24.02	24.25	24.16	24.33	
15	QPSK	36	39	24.32	23.96	24.23	24.02	24.47	
15	QPSK	75	0	24.50	24.07	24.19	24.12	24.40	25.5
15	16QAM	1	0	24.74	24.63	24.65	24.65	24.68	
15	16QAM	1	37	24.81	24.19	24.58	24.36	24.52	
15	16QAM	1	74	24.62	24.32	24.55	24.30	24.61	24.5
15	16QAM	36	0	23.52	22.86	23.23	23.19	23.33	
15	16QAM	36	20	23.47	22.90	23.32	23.00	23.44	
15	16QAM	36	39	23.40	22.89	23.19	23.07	23.31	24.5
15	16QAM	75	0	23.35	22.98	23.20	23.18	23.37	
15	64QAM	1	0	23.02	22.61	23.51	22.96	23.06	
15	64QAM	1	37	23.32	22.75	23.27	22.82	22.91	24.5
15	64QAM	1	74	23.31	22.70	23.11	22.93	22.98	
15	64QAM	36	0	22.49	22.04	22.23	22.20	22.30	
15	64QAM	36	20	22.36	21.95	22.13	22.03	22.36	23.5
15	64QAM	36	39	22.48	22.06	22.17	21.95	22.23	
15	64QAM	75	0	22.51	21.87	22.20	22.09	22.28	
15	256QAM	1	0	20.42	19.91	20.42	20.15	20.26	21.5
15	256QAM	1	37	20.38	19.79	20.32	20.11	20.15	
15	256QAM	1	74	20.17	19.70	20.34	20.00	20.06	
15	256QAM	36	0	20.20	19.84	20.45	20.03	20.03	21.5
15	256QAM	36	20	20.41	19.98	20.32	19.94	20.04	



**FCC SAR TEST REPORT**

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15	256QAM	36	39	20.22	19.84	20.20	19.94	19.96	Tune-up limit (dBm)
15	256QAM	75	0	20.18	19.89	20.35	19.89	20.08	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	25.17	24.83	25.10	25.16	25.19	26.50
10	QPSK	1	25	25.18	24.67	25.19	24.97	25.27	
10	QPSK	1	49	25.11	24.61	25.17	24.72	25.10	
10	QPSK	25	0	24.41	24.10	24.17	24.03	24.15	25.5
10	QPSK	25	12	24.40	23.96	24.22	24.02	24.32	
10	QPSK	25	25	24.16	23.88	24.12	23.89	24.30	
10	QPSK	50	0	24.45	23.89	24.02	23.95	24.31	
10	16QAM	1	0	24.59	24.62	24.49	24.53	24.52	25.5
10	16QAM	1	25	24.73	24.03	24.45	24.18	24.39	
10	16QAM	1	49	24.48	24.16	24.44	24.30	24.52	
10	16QAM	25	0	23.43	22.67	23.12	23.12	23.13	24.5
10	16QAM	25	12	23.46	22.86	23.12	22.96	23.39	
10	16QAM	25	25	23.29	22.83	23.16	22.88	23.17	
10	16QAM	50	0	23.28	22.83	23.13	23.07	23.36	
10	64QAM	1	0	23.02	22.53	23.35	22.93	22.86	24.5
10	64QAM	1	25	23.16	22.62	23.08	22.69	22.71	
10	64QAM	1	49	23.14	22.66	22.94	22.78	22.98	
10	64QAM	25	0	22.47	22.04	22.13	22.20	22.12	23.5
10	64QAM	25	12	22.32	21.75	21.99	21.85	22.33	
10	64QAM	25	25	22.44	22.05	22.12	21.93	22.07	
10	64QAM	50	0	22.43	21.73	22.09	22.07	22.13	
10	256QAM	1	0	20.38	19.89	20.40	20.01	20.16	21.5
10	256QAM	1	25	20.34	19.65	20.12	20.02	19.99	
10	256QAM	1	49	20.08	19.54	20.22	19.85	19.92	
10	256QAM	25	0	20.00	19.66	20.26	20.02	20.02	21.5
10	256QAM	25	12	20.38	19.91	20.31	19.80	19.92	
10	256QAM	25	25	20.07	19.79	20.02	19.91	19.82	
10	256QAM	50	0	20.09	19.75	20.35	19.76	19.99	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	25.43	24.95	25.22	25.32	25.23	26.50
5	QPSK	1	12	25.37	24.89	25.15	25.13	25.39	
5	QPSK	1	24	25.21	24.78	25.11	24.81	25.30	
5	QPSK	12	0	24.51	24.17	24.29	24.29	24.27	25.5
5	QPSK	12	7	24.45	23.88	24.23	24.17	24.28	
5	QPSK	12	13	24.38	23.86	24.11	24.08	24.43	
5	QPSK	25	0	24.46	24.04	24.16	24.26	24.37	
5	16QAM	1	0	24.71	24.61	24.54	24.61	24.66	25.5
5	16QAM	1	12	24.77	24.11	24.50	24.41	24.41	
5	16QAM	1	24	24.56	24.18	24.47	24.20	24.61	
5	16QAM	12	0	23.46	23.03	23.22	23.17	23.31	24.5
5	16QAM	12	7	23.51	23.01	23.35	23.18	23.41	
5	16QAM	12	13	23.33	22.98	23.15	23.12	23.35	
5	16QAM	25	0	23.51	22.97	23.20	23.12	23.36	
5	64QAM	1	0	23.22	22.70	23.46	23.00	22.97	24.5
5	64QAM	1	12	23.34	22.67	23.35	22.87	22.96	
5	64QAM	1	24	23.17	22.69	23.18	22.79	22.92	
5	64QAM	12	0	22.61	22.03	22.23	22.23	22.29	23.5
5	64QAM	12	7	22.50	22.10	22.24	22.01	22.32	
5	64QAM	12	13	22.47	21.99	22.09	22.03	22.35	
5	64QAM	25	0	22.51	21.89	22.17	22.13	22.28	
5	256QAM	1	0	20.44	20.00	20.34	19.99	20.15	21.5
5	256QAM	1	12	20.35	19.81	20.38	20.03	20.01	
5	256QAM	1	24	20.09	19.71	20.27	20.05	20.02	
5	256QAM	12	0	20.36	19.90	20.37	19.97	20.16	21.5
5	256QAM	12	7	20.27	19.98	20.39	20.02	20.04	
5	256QAM	12	13	20.12	19.76	20.29	19.95	20.07	
5	256QAM	25	0	20.22	19.75	20.32	19.95	20.11	



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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	24.43	24.13	24.23	24.23	24.17	24.8
20	QPSK	1	49	24.41	24.00	24.07	24.06	24.16	
20	QPSK	1	99	24.40	24.05	24.22	24.04	24.01	
20	QPSK	50	0	24.40	24.05	24.07	24.10	24.13	24.8
20	QPSK	50	24	24.38	24.04	24.04	24.09	24.07	
20	QPSK	50	50	24.26	23.97	24.21	24.01	24.03	
20	QPSK	100	0	24.27	24.01	24.21	24.10	24.01	24.8
20	16QAM	1	0	24.38	24.06	24.07	24.16	24.04	
20	16QAM	1	49	24.31	24.11	24.12	24.23	24.02	
20	16QAM	1	99	24.39	24.11	24.07	24.10	24.05	24.8
20	16QAM	50	0	24.40	24.12	24.19	24.13	24.17	
20	16QAM	50	24	24.24	24.07	24.08	24.13	24.12	
20	16QAM	50	50	24.42	24.05	24.08	24.03	24.01	24.8
20	16QAM	100	0	24.24	23.95	24.10	24.16	24.12	
20	64QAM	1	0	24.31	24.01	24.13	24.21	24.17	
20	64QAM	1	49	24.38	24.06	24.16	24.14	24.04	24.8
20	64QAM	1	99	24.30	23.93	24.19	24.05	23.99	
20	64QAM	50	0	23.42	23.32	23.21	23.12	23.31	
20	64QAM	50	24	23.47	23.35	23.17	23.22	23.22	23.9
20	64QAM	50	50	23.38	23.26	23.21	23.19	23.25	
20	64QAM	100	0	23.42	23.30	23.21	23.27	23.24	
20	256QAM	1	0	21.17	21.07	21.04	20.94	21.16	21.9
20	256QAM	1	49	21.13	21.01	20.98	20.88	21.00	
20	256QAM	1	99	21.03	20.72	20.70	20.54	20.72	
20	256QAM	50	0	21.12	20.94	20.98	20.80	21.07	21.9
20	256QAM	50	24	21.18	20.96	21.00	20.82	21.06	
20	256QAM	50	50	21.13	20.83	20.84	20.66	20.94	
20	256QAM	100	0	21.14	20.76	20.82	20.72	20.89	
Channel				39725	40173	40620	41068	41515	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Tune-up limit (dBm)
15	QPSK	1	0	24.26	23.93	24.03	24.23	24.00	24.80
15	QPSK	1	37	24.33	23.93	24.06	23.91	24.07	
15	QPSK	1	74	24.36	23.88	24.12	23.84	23.97	
15	QPSK	36	0	24.28	24.00	23.99	23.94	24.11	24.8
15	QPSK	36	20	24.37	23.87	24.03	24.07	24.05	
15	QPSK	36	39	24.19	23.87	24.15	23.86	23.97	
15	QPSK	75	0	24.17	23.86	24.13	24.03	23.81	24.8
15	16QAM	1	0	24.24	23.86	24.04	24.14	24.01	
15	16QAM	1	37	24.17	24.09	24.00	24.04	23.98	
15	16QAM	1	74	24.32	23.99	23.88	23.94	23.97	24.8
15	16QAM	36	0	24.27	23.97	24.05	24.11	24.05	
15	16QAM	36	20	24.13	23.99	23.98	24.07	23.96	
15	16QAM	36	39	24.41	23.96	24.00	23.89	24.00	24.8
15	16QAM	75	0	24.05	23.81	24.07	24.16	23.99	
15	64QAM	1	0	24.23	23.92	23.96	24.14	23.98	
15	64QAM	1	37	24.28	24.06	24.15	23.99	24.00	24.8
15	64QAM	1	74	24.10	23.82	24.02	23.97	23.82	
15	64QAM	36	0	23.41	23.29	23.08	23.06	23.28	
15	64QAM	36	20	23.45	23.26	22.97	23.03	23.15	23.9
15	64QAM	36	39	23.37	23.12	23.02	23.10	23.10	
15	64QAM	75	0	23.30	23.30	23.19	23.21	23.11	
15	256QAM	1	0	21.02	20.89	20.99	20.91	21.12	21.9
15	256QAM	1	37	20.94	20.90	20.86	20.87	20.98	
15	256QAM	1	74	20.89	20.70	20.56	20.36	20.64	
15	256QAM	36	0	21.07	20.83	20.85	20.73	20.98	21.9
15	256QAM	36	20	21.11	20.86	20.82	20.70	20.96	



**FCC SAR TEST REPORT**

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15	256QAM	36	39	21.12	20.70	20.67	20.52	20.91	
15	256QAM	75	0	20.97	20.72	20.70	20.71	20.75	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	24.29	24.13	24.03	24.11	24.02	24.80
10	QPSK	1	25	24.32	23.86	23.92	23.95	24.02	
10	QPSK	1	49	24.29	23.99	24.20	23.95	23.97	
10	QPSK	25	0	24.23	23.87	23.94	24.00	24.02	24.8
10	QPSK	25	12	24.25	23.94	23.99	23.99	24.02	
10	QPSK	25	25	24.08	23.93	24.18	23.99	23.99	
10	QPSK	50	0	24.09	23.89	24.07	23.96	23.96	
10	16QAM	1	0	24.26	23.90	23.87	24.12	23.86	24.8
10	16QAM	1	25	24.17	23.94	23.94	24.15	23.96	
10	16QAM	1	49	24.31	24.11	23.93	24.10	23.99	
10	16QAM	25	0	24.36	24.00	24.00	24.03	24.10	24.8
10	16QAM	25	12	24.09	23.95	24.03	23.93	24.02	
10	16QAM	25	25	24.37	23.89	24.01	23.84	23.83	
10	16QAM	50	0	24.11	23.89	23.90	24.15	24.10	
10	64QAM	1	0	24.15	23.84	23.99	24.10	24.06	24.8
10	64QAM	1	25	24.19	24.04	24.11	24.07	23.87	
10	64QAM	1	49	24.18	23.78	24.08	23.85	23.85	
10	64QAM	25	0	23.35	23.23	23.01	23.00	23.30	23.9
10	64QAM	25	12	23.35	23.31	23.12	23.06	23.22	
10	64QAM	25	25	23.30	23.25	23.17	23.09	23.21	
10	64QAM	50	0	23.41	23.11	23.11	23.21	23.07	
10	256QAM	1	0	21.05	21.04	20.87	20.87	21.09	21.9
10	256QAM	1	25	21.00	20.99	20.96	20.70	20.83	
10	256QAM	1	49	20.93	20.60	20.56	20.49	20.72	
10	256QAM	25	0	20.94	20.80	20.91	20.61	21.05	21.9
10	256QAM	25	12	21.00	20.85	20.82	20.63	20.96	
10	256QAM	25	25	21.02	20.79	20.75	20.49	20.86	
10	256QAM	50	0	21.14	20.66	20.77	20.54	20.69	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	24.35	24.04	24.11	24.04	24.04	24.80
5	QPSK	1	12	24.30	23.97	23.93	23.97	24.08	
5	QPSK	1	24	24.26	24.02	24.13	23.91	23.99	
5	QPSK	12	0	24.36	23.86	24.05	24.00	24.12	24.8
5	QPSK	12	7	24.25	23.85	24.01	23.97	23.94	
5	QPSK	12	13	24.08	23.97	24.01	23.87	23.95	
5	QPSK	25	0	24.23	24.00	24.12	24.08	23.98	
5	16QAM	1	0	24.31	24.03	24.05	24.01	23.94	24.8
5	16QAM	1	12	24.21	24.01	24.04	24.10	23.82	
5	16QAM	1	24	24.32	23.93	24.03	24.10	23.91	
5	16QAM	12	0	24.22	23.98	24.15	24.10	24.16	24.8
5	16QAM	12	7	24.07	23.93	23.89	23.96	24.10	
5	16QAM	12	13	24.23	24.04	23.97	23.85	23.96	
5	16QAM	25	0	24.19	23.76	24.00	23.96	23.92	
5	64QAM	1	0	24.14	24.01	24.07	24.20	23.99	24.8
5	64QAM	1	12	24.23	23.96	24.12	24.06	23.92	
5	64QAM	1	24	24.28	23.84	24.19	23.96	23.93	
5	64QAM	12	0	23.38	23.21	23.12	23.01	23.21	23.9
5	64QAM	12	7	23.33	23.26	23.14	23.19	23.21	
5	64QAM	12	13	23.22	23.16	23.14	23.16	23.17	
5	64QAM	25	0	23.29	23.25	23.11	23.25	23.16	
5	256QAM	1	0	21.10	21.01	20.93	20.91	21.12	21.9
5	256QAM	1	12	20.96	20.81	20.96	20.68	20.87	
5	256QAM	1	24	20.98	20.56	20.67	20.52	20.66	
5	256QAM	12	0	20.97	20.87	20.95	20.64	20.92	21.9
5	256QAM	12	7	21.13	20.88	20.91	20.78	21.01	
5	256QAM	12	13	21.01	20.74	20.84	20.64	20.93	
5	256QAM	25	0	20.98	20.76	20.80	20.66	20.77	



<LTE Band 41\_HPUE\_Ant 0\_Index 4>

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	20.63	20.38	20.46	20.47	20.46	20.9
20	QPSK	1	49	20.51	20.11	20.35	20.28	20.42	
20	QPSK	1	99	20.47	19.96	20.27	20.09	20.38	
20	QPSK	50	0	20.63	20.31	20.42	20.36	20.50	20.9
20	QPSK	50	24	20.59	20.08	20.38	20.30	20.47	
20	QPSK	50	50	20.54	20.08	20.26	20.24	20.46	
20	QPSK	100	0	20.55	20.12	20.36	20.36	20.51	20.9
20	16QAM	1	0	20.49	20.35	20.37	20.49	20.33	
20	16QAM	1	49	20.45	19.90	20.37	20.02	20.26	
20	16QAM	1	99	20.35	20.01	20.24	19.94	20.34	20.9
20	16QAM	50	0	20.64	20.13	20.39	20.31	20.48	
20	16QAM	50	24	20.59	20.10	20.42	20.21	20.51	
20	16QAM	50	50	20.53	20.12	20.34	20.27	20.48	20.9
20	16QAM	100	0	20.52	20.07	20.28	20.30	20.46	
20	64QAM	1	0	20.24	19.82	20.56	20.05	20.12	
20	64QAM	1	49	20.48	19.86	20.38	20.02	20.02	20.9
20	64QAM	1	99	20.42	19.91	20.31	20.06	20.09	
20	64QAM	50	0	20.65	20.08	20.29	20.34	20.36	
20	64QAM	50	24	20.41	20.04	20.29	20.11	20.34	20.9
20	64QAM	50	50	20.45	20.01	20.18	20.12	20.38	
20	64QAM	100	0	20.49	19.99	20.33	20.23	20.25	
20	256QAM	1	0	20.39	19.98	20.36	20.10	20.24	20.9
20	256QAM	1	49	20.30	19.84	20.41	20.05	20.17	
20	256QAM	1	99	20.29	19.85	20.32	20.09	20.17	
20	256QAM	50	0	20.37	19.98	20.39	20.00	20.15	20.9
20	256QAM	50	24	20.34	19.90	20.36	20.08	20.18	
20	256QAM	50	50	20.26	19.87	20.30	19.98	20.09	
20	256QAM	100	0	20.24	19.80	20.35	19.98	20.13	Tune-up limit (dBm)
Channel				39725	40173	40620	41068	41515	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	20.43	19.99	20.23	20.40	20.28	20.90
15	QPSK	1	37	20.36	19.86	20.27	20.20	20.51	
15	QPSK	1	74	20.36	19.79	20.25	19.88	20.31	
15	QPSK	36	0	20.50	20.27	20.29	20.26	20.40	20.9
15	QPSK	36	20	20.54	20.05	20.32	20.26	20.41	
15	QPSK	36	39	20.33	20.04	20.23	20.04	20.55	
15	QPSK	75	0	20.60	20.15	20.23	20.13	20.40	20.9
15	16QAM	1	0	20.44	20.23	20.31	20.30	20.36	
15	16QAM	1	37	20.47	19.79	20.20	20.02	20.21	
15	16QAM	1	74	20.23	19.94	20.16	19.97	20.23	20.9
15	16QAM	36	0	20.55	19.92	20.28	20.29	20.43	
15	16QAM	36	20	20.53	19.94	20.34	20.05	20.50	
15	16QAM	36	39	20.42	19.92	20.29	20.11	20.37	20.9
15	16QAM	75	0	20.38	20.01	20.28	20.26	20.38	
15	64QAM	1	0	20.07	19.64	20.54	20.03	20.11	
15	64QAM	1	37	20.37	19.77	20.29	19.88	20.00	20.9
15	64QAM	1	74	20.36	19.74	20.12	19.97	20.08	
15	64QAM	36	0	20.41	20.02	20.21	20.15	20.21	
15	64QAM	36	20	20.29	19.87	20.11	19.97	20.34	20.9
15	64QAM	36	39	20.43	20.04	20.08	19.90	20.14	
15	64QAM	75	0	20.49	19.78	20.12	20.02	20.25	
15	256QAM	1	0	20.37	19.86	20.33	20.13	20.22	20.9
15	256QAM	1	37	20.30	19.76	20.32	20.01	20.14	
15	256QAM	1	74	20.07	19.66	20.34	19.97	19.99	
15	256QAM	36	0	20.20	19.83	20.40	19.97	20.01	20.9
15	256QAM	36	20	20.36	19.92	20.28	19.88	19.96	



**FCC SAR TEST REPORT**

**Report No. :FA2D0206-01F**

15	256QAM	36	39	20.19	19.81	20.17	19.85	19.95	
15	256QAM	75	0	20.12	19.83	20.25	19.84	20.03	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	20.32	19.89	20.14	20.21	20.21	20.90
10	QPSK	1	25	20.24	19.67	20.29	20.03	20.27	
10	QPSK	1	49	20.14	19.66	20.26	19.73	20.16	
10	QPSK	25	0	20.43	20.16	20.17	20.04	20.16	20.9
10	QPSK	25	12	20.46	20.03	20.22	20.12	20.39	
10	QPSK	25	25	20.16	19.91	20.19	19.91	20.30	
10	QPSK	50	0	20.51	19.91	20.02	19.98	20.32	
10	16QAM	1	0	20.21	20.27	20.09	20.15	20.21	20.9
10	16QAM	1	25	20.37	19.70	20.10	19.84	20.06	
10	16QAM	1	49	20.18	19.84	20.05	19.90	20.21	
10	16QAM	25	0	20.43	19.67	20.22	20.21	20.20	20.9
10	16QAM	25	12	20.56	19.95	20.17	20.02	20.47	
10	16QAM	25	25	20.35	19.91	20.20	19.98	20.24	
10	16QAM	50	0	20.31	19.92	20.22	20.10	20.37	
10	64QAM	1	0	20.08	19.53	20.45	19.95	19.89	20.9
10	64QAM	1	25	20.25	19.67	20.12	19.77	19.71	
10	64QAM	1	49	20.23	19.67	20.01	19.83	20.06	
10	64QAM	25	0	20.45	19.95	20.09	20.15	20.02	20.9
10	64QAM	25	12	20.22	19.74	19.97	19.77	20.29	
10	64QAM	25	25	20.38	20.02	20.07	19.90	20.01	
10	64QAM	50	0	20.36	19.70	20.06	19.99	20.06	
10	256QAM	1	0	20.32	19.79	20.39	20.00	20.13	20.9
10	256QAM	1	25	20.29	19.60	20.04	19.94	19.97	
10	256QAM	1	49	19.99	19.64	20.21	19.82	19.87	
10	256QAM	25	0	19.92	19.61	20.18	20.02	19.96	20.9
10	256QAM	25	12	20.33	19.83	20.22	19.71	19.88	
10	256QAM	25	25	19.97	19.74	19.93	19.91	19.72	
10	256QAM	50	0	20.04	19.68	20.33	19.67	19.93	
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	20.53	19.96	20.28	20.37	20.26	20.90
5	QPSK	1	12	20.44	19.94	20.15	20.23	20.47	
5	QPSK	1	24	20.30	19.87	20.21	19.89	20.34	
5	QPSK	12	0	20.51	20.25	20.34	20.31	20.33	20.9
5	QPSK	12	7	20.55	19.92	20.23	20.22	20.34	
5	QPSK	12	13	20.41	19.93	20.20	20.13	20.45	
5	QPSK	25	0	20.49	20.09	20.23	20.31	20.43	
5	16QAM	1	0	20.40	20.31	20.24	20.28	20.35	20.9
5	16QAM	1	12	20.39	19.71	20.11	20.02	20.11	
5	16QAM	1	24	20.26	19.85	20.10	19.85	20.23	
5	16QAM	12	0	20.56	20.11	20.25	20.26	20.40	20.9
5	16QAM	12	7	20.52	20.10	20.39	20.25	20.42	
5	16QAM	12	13	20.38	20.06	20.20	20.12	20.37	
5	16QAM	25	0	20.59	20.03	20.29	20.14	20.38	
5	64QAM	1	0	20.32	19.72	20.47	20.09	19.98	20.9
5	64QAM	1	12	20.35	19.76	20.35	19.90	19.99	
5	64QAM	1	24	20.18	19.78	20.20	19.79	20.00	
5	64QAM	12	0	20.55	19.98	20.14	20.19	20.28	20.9
5	64QAM	12	7	20.42	20.03	20.15	19.93	20.23	
5	64QAM	12	13	20.45	19.90	20.08	19.98	20.33	
5	64QAM	25	0	20.45	19.83	20.11	20.11	20.24	
5	256QAM	1	0	20.40	19.92	20.33	19.93	20.12	20.9
5	256QAM	1	12	20.25	19.81	20.33	19.99	19.94	
5	256QAM	1	24	20.01	19.66	20.25	20.03	20.01	
5	256QAM	12	0	20.32	19.85	20.29	19.92	20.11	20.9
5	256QAM	12	7	20.20	19.90	20.38	19.94	19.96	
5	256QAM	12	13	20.04	19.75	20.22	19.86	20.07	
5	256QAM	25	0	20.13	19.66	20.30	19.93	20.08	





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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	24.43	24.13	24.23	24.23	24.17	25.5
20	QPSK	1	49	24.41	24.00	24.07	24.06	24.16	
20	QPSK	1	99	24.40	24.05	24.22	24.04	24.01	
20	QPSK	50	0	24.40	24.05	24.07	24.10	24.13	25.5
20	QPSK	50	24	24.38	24.04	24.04	24.09	24.07	
20	QPSK	50	50	24.26	23.97	24.21	24.01	24.03	
20	QPSK	100	0	24.27	24.01	24.21	24.10	24.01	25.5
20	16QAM	1	0	24.38	24.06	24.07	24.16	24.04	
20	16QAM	1	49	24.31	24.11	24.12	24.23	24.02	
20	16QAM	1	99	24.39	24.11	24.07	24.10	24.05	24.9
20	16QAM	50	0	24.40	24.12	24.19	24.13	24.17	
20	16QAM	50	24	24.24	24.07	24.08	24.13	24.12	
20	16QAM	50	50	24.42	24.05	24.08	24.03	24.01	24.9
20	16QAM	100	0	24.24	23.95	24.10	24.16	24.12	
20	64QAM	1	0	24.31	24.01	24.13	24.21	24.17	
20	64QAM	1	49	24.38	24.06	24.16	24.14	24.04	24.9
20	64QAM	1	99	24.30	23.93	24.19	24.05	23.99	
20	64QAM	50	0	23.42	23.32	23.21	23.12	23.31	
20	64QAM	50	24	23.47	23.35	23.17	23.22	23.22	23.9
20	64QAM	50	50	23.38	23.26	23.21	23.19	23.25	
20	64QAM	100	0	23.42	23.30	23.21	23.27	23.24	
20	256QAM	1	0	21.17	21.07	21.04	20.94	21.16	21.9
20	256QAM	1	49	21.13	21.01	20.98	20.88	21.00	
20	256QAM	1	99	21.03	20.72	20.70	20.54	20.72	
20	256QAM	50	0	21.12	20.94	20.98	20.80	21.07	21.9
20	256QAM	50	24	21.18	20.96	21.00	20.82	21.06	
20	256QAM	50	50	21.13	20.83	20.84	20.66	20.94	
20	256QAM	100	0	21.14	20.76	20.82	20.72	20.89	Tune-up limit (dBm)
Channel				39725	40173	40620	41068	41515	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	24.26	23.93	24.03	24.23	24.00	25.50
15	QPSK	1	37	24.33	23.93	24.06	23.91	24.07	
15	QPSK	1	74	24.36	23.88	24.12	23.84	23.97	
15	QPSK	36	0	24.28	24.00	23.99	23.94	24.11	25.5
15	QPSK	36	20	24.37	23.87	24.03	24.07	24.05	
15	QPSK	36	39	24.19	23.87	24.15	23.86	23.97	
15	QPSK	75	0	24.17	23.86	24.13	24.03	23.81	25.5
15	16QAM	1	0	24.24	23.86	24.04	24.14	24.01	
15	16QAM	1	37	24.17	24.09	24.00	24.04	23.98	
15	16QAM	1	74	24.32	23.99	23.88	23.94	23.97	24.9
15	16QAM	36	0	24.27	23.97	24.05	24.11	24.05	
15	16QAM	36	20	24.13	23.99	23.98	24.07	23.96	
15	16QAM	36	39	24.41	23.96	24.00	23.89	24.00	24.9
15	16QAM	75	0	24.05	23.81	24.07	24.16	23.99	
15	64QAM	1	0	24.23	23.92	23.96	24.14	23.98	
15	64QAM	1	37	24.28	24.06	24.15	23.99	24.00	24.9
15	64QAM	1	74	24.10	23.82	24.02	23.97	23.82	
15	64QAM	36	0	23.41	23.29	23.08	23.06	23.28	
15	64QAM	36	20	23.45	23.26	22.97	23.03	23.15	23.9
15	64QAM	36	39	23.37	23.12	23.02	23.10	23.10	
15	64QAM	75	0	23.30	23.30	23.19	23.21	23.11	
15	256QAM	1	0	21.02	20.89	20.99	20.91	21.12	21.9
15	256QAM	1	37	20.94	20.90	20.86	20.87	20.98	
15	256QAM	1	74	20.89	20.70	20.56	20.36	20.64	
15	256QAM	36	0	21.07	20.83	20.85	20.73	20.98	21.9
15	256QAM	36	20	21.11	20.86	20.82	20.70	20.96	





**FCC SAR TEST REPORT**

**Report No. :FA2D0206-01F**

15	256QAM	36	39	21.12	20.70	20.67	20.52	20.91	Tune-up limit (dBm)
15	256QAM	75	0	20.97	20.72	20.70	20.71	20.75	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	24.29	24.13	24.03	24.11	24.02	25.50
10	QPSK	1	25	24.32	23.86	23.92	23.95	24.02	
10	QPSK	1	49	24.29	23.99	24.20	23.95	23.97	
10	QPSK	25	0	24.23	23.87	23.94	24.00	24.02	25.5
10	QPSK	25	12	24.25	23.94	23.99	23.99	24.02	
10	QPSK	25	25	24.08	23.93	24.18	23.99	23.99	
10	QPSK	50	0	24.09	23.89	24.07	23.96	23.96	25.5
10	16QAM	1	0	24.26	23.90	23.87	24.12	23.86	
10	16QAM	1	25	24.17	23.94	23.94	24.15	23.96	
10	16QAM	1	49	24.31	24.11	23.93	24.10	23.99	24.9
10	16QAM	25	0	24.36	24.00	24.00	24.03	24.10	
10	16QAM	25	12	24.09	23.95	24.03	23.93	24.02	
10	16QAM	25	25	24.37	23.89	24.01	23.84	23.83	24.9
10	16QAM	50	0	24.11	23.89	23.90	24.15	24.10	
10	64QAM	1	0	24.15	23.84	23.99	24.10	24.06	
10	64QAM	1	25	24.19	24.04	24.11	24.07	23.87	24.9
10	64QAM	1	49	24.18	23.78	24.08	23.85	23.85	
10	64QAM	25	0	23.35	23.23	23.01	23.00	23.30	
10	64QAM	25	12	23.35	23.31	23.12	23.06	23.22	23.9
10	64QAM	25	25	23.30	23.25	23.17	23.09	23.21	
10	64QAM	50	0	23.41	23.11	23.11	23.21	23.07	
10	256QAM	1	0	21.05	21.04	20.87	20.87	21.09	21.9
10	256QAM	1	25	21.00	20.99	20.96	20.70	20.83	
10	256QAM	1	49	20.93	20.60	20.56	20.49	20.72	
10	256QAM	25	0	20.94	20.80	20.91	20.61	21.05	21.9
10	256QAM	25	12	21.00	20.85	20.82	20.63	20.96	
10	256QAM	25	25	21.02	20.79	20.75	20.49	20.86	
10	256QAM	50	0	21.14	20.66	20.77	20.54	20.69	Tune-up limit (dBm)
Channel				39675	40148	40620	41093	41565	
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	Tune-up limit (dBm)
5	QPSK	1	0	24.35	24.04	24.11	24.04	24.04	
5	QPSK	1	12	24.30	23.97	23.93	23.97	24.08	25.50
5	QPSK	1	24	24.26	24.02	24.13	23.91	23.99	
5	QPSK	12	0	24.36	23.86	24.05	24.00	24.12	
5	QPSK	12	7	24.25	23.85	24.01	23.97	23.94	25.5
5	QPSK	12	13	24.08	23.97	24.01	23.87	23.95	
5	QPSK	25	0	24.23	24.00	24.12	24.08	23.98	
5	16QAM	1	0	24.31	24.03	24.05	24.01	23.94	25.5
5	16QAM	1	12	24.21	24.01	24.04	24.10	23.82	
5	16QAM	1	24	24.32	23.93	24.03	24.10	23.91	
5	16QAM	12	0	24.22	23.98	24.15	24.10	24.16	24.9
5	16QAM	12	7	24.07	23.93	23.89	23.96	24.10	
5	16QAM	12	13	24.23	24.04	23.97	23.85	23.96	
5	16QAM	25	0	24.19	23.76	24.00	23.96	23.92	24.9
5	64QAM	1	0	24.14	24.01	24.07	24.20	23.99	
5	64QAM	1	12	24.23	23.96	24.12	24.06	23.92	
5	64QAM	1	24	24.28	23.84	24.19	23.96	23.93	23.9
5	64QAM	12	0	23.38	23.21	23.12	23.01	23.21	
5	64QAM	12	7	23.33	23.26	23.14	23.19	23.21	
5	64QAM	12	13	23.22	23.16	23.14	23.16	23.17	21.9
5	64QAM	25	0	23.29	23.25	23.11	23.25	23.16	
5	256QAM	1	0	21.10	21.01	20.93	20.91	21.12	
5	256QAM	1	12	20.96	20.81	20.96	20.68	20.87	21.9
5	256QAM	1	24	20.98	20.56	20.67	20.52	20.66	
5	256QAM	12	0	20.97	20.87	20.95	20.64	20.92	
5	256QAM	12	7	21.13	20.88	20.91	20.78	21.01	21.9
5	256QAM	12	13	21.01	20.74	20.84	20.64	20.93	
5	256QAM	25	0	20.98	20.76	20.80	20.66	20.77	



<LTE Band 41\_HPUE\_Ant 0\_Index 5>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	23.64	23.19	23.40	23.30	23.45	24.7
20	QPSK	1	49	23.54	23.04	23.27	23.11	23.42	
20	QPSK	1	99	23.47	22.95	23.12	22.97	23.39	
20	QPSK	50	0	23.43	23.11	23.26	23.17	23.35	24.7
20	QPSK	50	24	23.37	22.90	23.24	23.15	23.23	
20	QPSK	50	50	23.35	22.84	23.08	23.08	23.32	
20	QPSK	100	0	23.36	22.97	23.08	23.18	23.27	24.7
20	16QAM	1	0	23.40	23.56	23.56	23.43	23.58	
20	16QAM	1	49	23.48	23.05	23.47	23.32	23.43	
20	16QAM	1	99	23.58	23.21	23.36	23.17	23.56	24.5
20	16QAM	50	0	23.42	22.91	23.11	23.11	23.27	
20	16QAM	50	24	23.39	22.93	23.19	23.05	23.26	
20	16QAM	50	50	23.27	22.86	23.08	23.07	23.27	24.5
20	16QAM	100	0	23.37	22.87	23.09	23.03	23.22	
20	64QAM	1	0	23.12	22.64	23.41	22.85	22.93	
20	64QAM	1	49	23.22	22.67	23.25	22.80	22.87	24.5
20	64QAM	1	99	23.12	22.74	23.13	22.83	22.99	
20	64QAM	50	0	22.67	22.16	22.25	22.31	22.33	
20	64QAM	50	24	22.43	22.03	22.26	22.16	22.35	23.5
20	64QAM	50	50	22.46	22.04	22.17	22.08	22.38	
20	64QAM	100	0	22.51	22.01	22.26	22.23	22.32	
20	256QAM	1	0	20.44	20.02	20.45	20.11	20.28	21.5
20	256QAM	1	49	20.33	19.84	20.41	20.03	20.19	
20	256QAM	1	99	20.22	19.78	20.35	20.10	20.11	
20	256QAM	50	0	20.36	20.01	20.36	19.98	20.20	21.5
20	256QAM	50	24	20.38	19.98	20.34	20.07	20.21	
20	256QAM	50	50	20.20	19.89	20.27	20.02	20.08	
20	256QAM	100	0	20.30	19.88	20.26	19.93	20.14	21.5
Channel				39725	40173	40620	41068	41515	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	23.41	22.82	23.16	23.26	23.30	24.70
15	QPSK	1	37	23.23	22.90	23.30	23.12	23.41	
15	QPSK	1	74	23.38	22.76	23.10	22.96	23.34	
15	QPSK	36	0	23.32	23.01	23.15	23.12	23.18	24.7
15	QPSK	36	20	23.37	22.90	23.11	23.06	23.22	
15	QPSK	36	39	23.21	22.86	23.12	22.87	23.33	
15	QPSK	75	0	23.38	22.91	23.03	22.95	23.29	24.7
15	16QAM	1	0	23.64	23.52	23.47	23.47	23.50	
15	16QAM	1	37	23.55	23.06	23.42	23.17	23.33	
15	16QAM	1	74	23.42	23.22	23.38	23.11	23.47	24.5
15	16QAM	36	0	23.41	22.76	23.10	23.05	23.19	
15	16QAM	36	20	23.32	22.79	23.21	22.85	23.33	
15	16QAM	36	39	23.29	22.76	23.07	22.94	23.16	24.5
15	16QAM	75	0	23.24	22.84	23.09	23.01	23.20	
15	64QAM	1	0	22.84	22.56	23.39	22.78	22.94	
15	64QAM	1	37	23.15	22.56	23.08	22.62	22.76	24.5
15	64QAM	1	74	23.15	22.55	23.00	22.74	22.86	
15	64QAM	36	0	22.45	21.96	22.19	22.16	22.24	
15	64QAM	36	20	22.34	21.93	22.06	21.96	22.31	23.5
15	64QAM	36	39	22.48	21.99	22.16	21.89	22.22	
15	64QAM	75	0	22.42	21.80	22.18	22.00	22.20	
15	256QAM	1	0	20.40	19.81	20.32	20.11	20.17	21.5
15	256QAM	1	37	20.29	19.74	20.25	20.04	20.13	
15	256QAM	1	74	20.13	19.63	20.26	20.00	20.06	
15	256QAM	36	0	20.10	19.81	20.44	19.96	20.00	21.5
15	256QAM	36	20	20.36	19.97	20.24	19.87	20.00	



**FCC SAR TEST REPORT**

**Report No. :FA2D0206-01F**

15	256QAM	36	39	20.22	19.80	20.18	19.94	19.90	Tune-up limit (dBm)
15	256QAM	75	0	20.10	19.79	20.28	19.81	20.06	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	23.13	22.82	23.11	23.25	23.16	24.70
10	QPSK	1	25	23.14	22.79	23.29	22.95	23.37	
10	QPSK	1	49	23.11	22.73	23.11	22.74	23.08	
10	QPSK	25	0	23.30	22.99	23.02	22.87	22.95	24.7
10	QPSK	25	12	23.24	22.81	23.10	22.89	23.18	
10	QPSK	25	25	23.05	22.79	22.98	22.72	23.15	
10	QPSK	50	0	23.29	22.71	22.91	22.76	23.15	
10	16QAM	1	0	23.44	23.47	23.32	23.36	23.34	24.7
10	16QAM	1	25	23.57	22.83	23.28	23.04	23.28	
10	16QAM	1	49	23.35	23.02	23.28	23.13	23.36	
10	16QAM	25	0	23.25	22.53	22.94	22.97	22.98	24.5
10	16QAM	25	12	23.35	22.67	23.00	22.79	23.27	
10	16QAM	25	25	23.15	22.63	23.04	22.68	23.02	
10	16QAM	50	0	23.09	22.68	23.03	22.90	23.19	
10	64QAM	1	0	22.92	22.60	23.22	22.79	22.68	24.5
10	64QAM	1	25	22.98	22.58	22.93	22.57	22.52	
10	64QAM	1	49	22.94	22.51	22.76	22.65	22.79	
10	64QAM	25	0	22.39	21.96	22.07	22.18	22.11	23.5
10	64QAM	25	12	22.25	21.71	21.95	21.77	22.23	
10	64QAM	25	25	22.37	22.05	22.09	21.88	22.03	
10	64QAM	50	0	22.41	21.66	22.02	22.01	22.07	
10	256QAM	1	0	20.33	19.89	20.35	19.93	20.09	21.5
10	256QAM	1	25	20.29	19.63	20.05	20.02	19.89	
10	256QAM	1	49	20.08	19.50	20.15	19.78	19.90	
10	256QAM	25	0	19.94	19.60	20.16	19.97	19.94	21.5
10	256QAM	25	12	20.32	19.87	20.30	19.70	19.89	
10	256QAM	25	25	20.06	19.73	19.96	19.82	19.77	
10	256QAM	50	0	20.05	19.69	20.29	19.76	19.94	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	23.33	22.90	23.13	23.36	23.14	24.70
5	QPSK	1	12	23.44	22.81	23.14	23.05	23.38	
5	QPSK	1	24	23.19	22.85	23.05	22.86	23.27	
5	QPSK	12	0	23.40	23.01	23.19	23.11	23.14	24.7
5	QPSK	12	7	23.30	22.79	23.10	23.04	23.12	
5	QPSK	12	13	23.21	22.78	22.99	22.98	23.27	
5	QPSK	25	0	23.26	22.84	22.99	23.14	23.23	
5	16QAM	1	0	23.57	23.41	23.34	23.51	23.48	24.7
5	16QAM	1	12	23.61	22.92	23.35	23.25	23.30	
5	16QAM	1	24	23.36	22.98	23.35	23.09	23.44	
5	16QAM	12	0	23.29	22.84	23.11	23.05	23.16	24.5
5	16QAM	12	7	23.39	22.81	23.23	23.02	23.21	
5	16QAM	12	13	23.19	22.86	22.99	22.95	23.18	
5	16QAM	25	0	23.41	22.80	23.08	22.98	23.25	
5	64QAM	1	0	23.06	22.54	23.26	22.83	22.85	24.5
5	64QAM	1	12	23.14	22.53	23.22	22.68	22.83	
5	64QAM	1	24	23.07	22.58	22.99	22.61	22.74	
5	64QAM	12	0	22.52	22.02	22.19	22.13	22.25	23.5
5	64QAM	12	7	22.42	22.03	22.21	21.92	22.31	
5	64QAM	12	13	22.47	21.98	22.09	22.03	22.30	
5	64QAM	25	0	22.46	21.83	22.17	22.04	22.23	
5	256QAM	1	0	20.37	19.90	20.29	19.92	20.07	21.5
5	256QAM	1	12	20.25	19.71	20.29	20.00	20.00	
5	256QAM	1	24	20.09	19.65	20.21	20.04	19.99	
5	256QAM	12	0	20.34	19.82	20.28	19.91	20.13	21.5
5	256QAM	12	7	20.22	19.90	20.33	19.92	19.94	
5	256QAM	12	13	20.09	19.66	20.27	19.88	20.02	
5	256QAM	25	0	20.21	19.65	20.22	19.90	20.10	



<LTE Band 41\_HPUE\_Ant 0\_Index 6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	23.64	23.19	23.40	23.30	23.45	24
20	QPSK	1	49	23.54	23.04	23.27	23.11	23.42	
20	QPSK	1	99	23.47	22.95	23.12	22.97	23.39	
20	QPSK	50	0	23.43	23.11	23.26	23.17	23.35	24
20	QPSK	50	24	23.37	22.90	23.24	23.15	23.23	
20	QPSK	50	50	23.35	22.84	23.08	23.08	23.32	
20	QPSK	100	0	23.36	22.97	23.08	23.18	23.27	24
20	16QAM	1	0	23.40	23.56	23.56	23.43	23.58	
20	16QAM	1	49	23.48	23.05	23.47	23.32	23.43	
20	16QAM	1	99	23.58	23.21	23.36	23.17	23.56	24
20	16QAM	50	0	23.42	22.91	23.11	23.11	23.27	
20	16QAM	50	24	23.39	22.93	23.19	23.05	23.26	
20	16QAM	50	50	23.27	22.86	23.08	23.07	23.27	24
20	16QAM	100	0	23.37	22.87	23.09	23.03	23.22	
20	64QAM	1	0	23.12	22.64	23.41	22.85	22.93	
20	64QAM	1	49	23.22	22.67	23.25	22.80	22.87	24
20	64QAM	1	99	23.12	22.74	23.13	22.83	22.99	
20	64QAM	50	0	22.67	22.16	22.25	22.31	22.33	
20	64QAM	50	24	22.43	22.03	22.26	22.16	22.35	23.5
20	64QAM	50	50	22.46	22.04	22.17	22.08	22.38	
20	64QAM	100	0	22.51	22.01	22.26	22.23	22.32	
20	256QAM	1	0	20.44	20.02	20.45	20.11	20.28	21.5
20	256QAM	1	49	20.33	19.84	20.41	20.03	20.19	
20	256QAM	1	99	20.22	19.78	20.35	20.10	20.11	
20	256QAM	50	0	20.36	20.01	20.36	19.98	20.20	21.5
20	256QAM	50	24	20.38	19.98	20.34	20.07	20.21	
20	256QAM	50	50	20.20	19.89	20.27	20.02	20.08	
20	256QAM	100	0	20.30	19.88	20.26	19.93	20.14	21.5
Channel				39725	40173	40620	41068	41515	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	Tune-up limit (dBm)
15	QPSK	1	0	23.41	22.82	23.16	23.26	23.30	24.00
15	QPSK	1	37	23.23	22.90	23.30	23.12	23.41	
15	QPSK	1	74	23.38	22.76	23.10	22.96	23.34	
15	QPSK	36	0	23.32	23.01	23.15	23.12	23.18	24
15	QPSK	36	20	23.37	22.90	23.11	23.06	23.22	
15	QPSK	36	39	23.21	22.86	23.12	22.87	23.33	
15	QPSK	75	0	23.38	22.91	23.03	22.95	23.29	24
15	16QAM	1	0	23.64	23.52	23.47	23.47	23.50	
15	16QAM	1	37	23.55	23.06	23.42	23.17	23.33	
15	16QAM	1	74	23.42	23.22	23.38	23.11	23.47	24
15	16QAM	36	0	23.41	22.76	23.10	23.05	23.19	
15	16QAM	36	20	23.32	22.79	23.21	22.85	23.33	
15	16QAM	36	39	23.29	22.76	23.07	22.94	23.16	24
15	16QAM	75	0	23.24	22.84	23.09	23.01	23.20	
15	64QAM	1	0	22.84	22.56	23.39	22.78	22.94	
15	64QAM	1	37	23.15	22.56	23.08	22.62	22.76	24
15	64QAM	1	74	23.15	22.55	23.00	22.74	22.86	
15	64QAM	36	0	22.45	21.96	22.19	22.16	22.24	
15	64QAM	36	20	22.34	21.93	22.06	21.96	22.31	23.5
15	64QAM	36	39	22.48	21.99	22.16	21.89	22.22	
15	64QAM	75	0	22.42	21.80	22.18	22.00	22.20	
15	256QAM	1	0	20.40	19.81	20.32	20.11	20.17	21.5
15	256QAM	1	37	20.29	19.74	20.25	20.04	20.13	
15	256QAM	1	74	20.13	19.63	20.26	20.00	20.06	
15	256QAM	36	0	20.10	19.81	20.44	19.96	20.00	21.5
15	256QAM	36	20	20.36	19.97	20.24	19.87	20.00	



**FCC SAR TEST REPORT**

**Report No. :FA2D0206-01F**

15	256QAM	36	39	20.22	19.80	20.18	19.94	19.90	Tune-up limit (dBm)
15	256QAM	75	0	20.10	19.79	20.28	19.81	20.06	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	23.13	22.82	23.11	23.25	23.16	24.00
10	QPSK	1	25	23.14	22.79	23.29	22.95	23.37	
10	QPSK	1	49	23.11	22.73	23.11	22.74	23.08	
10	QPSK	25	0	23.30	22.99	23.02	22.87	22.95	24
10	QPSK	25	12	23.24	22.81	23.10	22.89	23.18	
10	QPSK	25	25	23.05	22.79	22.98	22.72	23.15	
10	QPSK	50	0	23.29	22.71	22.91	22.76	23.15	
10	16QAM	1	0	23.44	23.47	23.32	23.36	23.34	24
10	16QAM	1	25	23.57	22.83	23.28	23.04	23.28	
10	16QAM	1	49	23.35	23.02	23.28	23.13	23.36	
10	16QAM	25	0	23.25	22.53	22.94	22.97	22.98	24
10	16QAM	25	12	23.35	22.67	23.00	22.79	23.27	
10	16QAM	25	25	23.15	22.63	23.04	22.68	23.02	
10	16QAM	50	0	23.09	22.68	23.03	22.90	23.19	
10	64QAM	1	0	22.92	22.60	23.22	22.79	22.68	24
10	64QAM	1	25	22.98	22.58	22.93	22.57	22.52	
10	64QAM	1	49	22.94	22.51	22.76	22.65	22.79	
10	64QAM	25	0	22.39	21.96	22.07	22.18	22.11	23.5
10	64QAM	25	12	22.25	21.71	21.95	21.77	22.23	
10	64QAM	25	25	22.37	22.05	22.09	21.88	22.03	
10	64QAM	50	0	22.41	21.66	22.02	22.01	22.07	
10	256QAM	1	0	20.33	19.89	20.35	19.93	20.09	21.5
10	256QAM	1	25	20.29	19.63	20.05	20.02	19.89	
10	256QAM	1	49	20.08	19.50	20.15	19.78	19.90	
10	256QAM	25	0	19.94	19.60	20.16	19.97	19.94	21.5
10	256QAM	25	12	20.32	19.87	20.30	19.70	19.89	
10	256QAM	25	25	20.06	19.73	19.96	19.82	19.77	
10	256QAM	50	0	20.05	19.69	20.29	19.76	19.94	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	23.33	22.90	23.13	23.36	23.14	24.00
5	QPSK	1	12	23.44	22.81	23.14	23.05	23.38	
5	QPSK	1	24	23.19	22.85	23.05	22.86	23.27	
5	QPSK	12	0	23.40	23.01	23.19	23.11	23.14	24
5	QPSK	12	7	23.30	22.79	23.10	23.04	23.12	
5	QPSK	12	13	23.21	22.78	22.99	22.98	23.27	
5	QPSK	25	0	23.26	22.84	22.99	23.14	23.23	
5	16QAM	1	0	23.57	23.41	23.34	23.51	23.48	24
5	16QAM	1	12	23.61	22.92	23.35	23.25	23.30	
5	16QAM	1	24	23.36	22.98	23.35	23.09	23.44	
5	16QAM	12	0	23.29	22.84	23.11	23.05	23.16	24
5	16QAM	12	7	23.39	22.81	23.23	23.02	23.21	
5	16QAM	12	13	23.19	22.86	22.99	22.95	23.18	
5	16QAM	25	0	23.41	22.80	23.08	22.98	23.25	
5	64QAM	1	0	23.06	22.54	23.26	22.83	22.85	24
5	64QAM	1	12	23.14	22.53	23.22	22.68	22.83	
5	64QAM	1	24	23.07	22.58	22.99	22.61	22.74	
5	64QAM	12	0	22.52	22.02	22.19	22.13	22.25	23.5
5	64QAM	12	7	22.42	22.03	22.21	21.92	22.31	
5	64QAM	12	13	22.47	21.98	22.09	22.03	22.30	
5	64QAM	25	0	22.46	21.83	22.17	22.04	22.23	
5	256QAM	1	0	20.37	19.90	20.29	19.92	20.07	21.5
5	256QAM	1	12	20.25	19.71	20.29	20.00	20.00	
5	256QAM	1	24	20.09	19.65	20.21	20.04	19.99	
5	256QAM	12	0	20.34	19.82	20.28	19.91	20.13	21.5
5	256QAM	12	7	20.22	19.90	20.33	19.92	19.94	
5	256QAM	12	13	20.09	19.66	20.27	19.88	20.02	
5	256QAM	25	0	20.21	19.65	20.22	19.90	20.10	



<LTE Band 48\_Ant 6\_Index 2/3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	56150	56640	
Frequency (MHz)				3560	3609	3641	3690	
20	QPSK	1	0	20.88	20.75	21.14	20.80	22.4
20	QPSK	1	49	20.86	20.64	20.83	20.68	
20	QPSK	1	99	20.78	20.61	20.85	20.76	
20	QPSK	50	0	20.91	20.84	21.12	20.91	22.4
20	QPSK	50	24	20.86	20.79	21.07	20.90	
20	QPSK	50	50	20.84	20.77	21.02	20.87	
20	QPSK	100	0	20.84	20.77	21.05	20.89	22.4
20	16QAM	1	0	20.99	20.92	21.09	21.00	
20	16QAM	1	49	20.91	20.87	21.03	20.88	
20	16QAM	1	99	20.89	20.79	21.04	20.94	22.4
20	16QAM	50	0	20.92	20.86	21.13	20.93	
20	16QAM	50	24	20.90	20.81	21.09	20.94	
20	16QAM	50	50	20.86	20.79	21.04	20.90	22.4
20	16QAM	100	0	20.85	20.80	21.08	20.92	
20	64QAM	1	0	20.80	20.50	20.88	20.64	
20	64QAM	1	49	20.73	20.44	20.75	20.64	22.4
20	64QAM	1	99	20.67	20.44	20.67	20.62	
20	64QAM	50	0	20.87	20.81	21.07	20.90	
20	64QAM	50	24	20.87	20.79	21.06	20.87	22.4
20	64QAM	50	50	20.80	20.73	20.99	20.85	
20	64QAM	100	0	20.82	20.73	21.00	20.83	
20	256QAM	1	0	19.35	19.41	19.47	19.51	20.4
20	256QAM	1	49	19.21	19.28	19.31	19.42	
20	256QAM	1	99	18.99	19.23	19.52	19.41	
20	256QAM	50	0	19.40	19.31	19.65	19.57	20.4
20	256QAM	50	24	19.39	19.32	19.62	19.47	
20	256QAM	50	50	19.38	19.27	19.60	19.49	
20	256QAM	100	0	19.41	19.38	19.72	19.56	
Channel				55315	55820	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3642	3692.5	
15	QPSK	1	0	20.71	20.66	20.98	20.61	22.4
15	QPSK	1	37	20.75	20.63	20.75	20.57	
15	QPSK	1	74	20.62	20.48	20.81	20.58	
15	QPSK	36	0	20.72	20.72	21.03	20.86	22.4
15	QPSK	36	20	20.75	20.63	20.88	20.79	
15	QPSK	36	39	20.65	20.73	21.02	20.71	
15	QPSK	75	0	20.82	20.57	21.00	20.79	22.4
15	16QAM	1	0	20.94	20.84	21.00	20.80	
15	16QAM	1	37	20.87	20.76	20.84	20.78	
15	16QAM	1	74	20.84	20.75	20.98	20.87	22.4
15	16QAM	36	0	20.87	20.85	20.96	20.81	
15	16QAM	36	20	20.78	20.67	20.95	20.88	
15	16QAM	36	39	20.74	20.60	20.99	20.90	22.4
15	16QAM	75	0	20.69	20.67	20.93	20.85	
15	64QAM	1	0	20.69	20.40	20.85	20.55	
15	64QAM	1	37	20.71	20.45	20.69	20.54	22.4
15	64QAM	1	74	20.53	20.47	20.54	20.46	
15	64QAM	36	0	20.81	20.71	21.04	20.76	
15	64QAM	36	20	20.72	20.64	20.95	20.70	22.4
15	64QAM	36	39	20.76	20.72	20.95	20.83	
15	64QAM	75	0	20.64	20.71	20.87	20.63	
15	256QAM	1	0	19.21	19.38	19.44	19.38	20.4
15	256QAM	1	37	19.05	19.17	19.24	19.23	
15	256QAM	1	74	18.93	19.14	19.39	19.28	
15	256QAM	36	0	19.32	19.31	19.48	19.48	20.4
15	256QAM	36	20	19.20	19.19	19.58	19.33	



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15	256QAM	36	39	19.19	19.16	19.42	19.45	
15	256QAM	75	0	19.21	19.36	19.52	19.38	
Channel				55290	55815	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3642.5	3695	
10	QPSK	1	0	20.70	20.66	20.95	20.67	22.4
10	QPSK	1	25	20.85	20.62	20.67	20.55	
10	QPSK	1	49	20.64	20.55	20.80	20.62	
10	QPSK	25	0	20.80	20.82	21.07	20.86	22.4
10	QPSK	25	12	20.82	20.66	21.03	20.74	
10	QPSK	25	25	20.83	20.63	20.93	20.82	
10	QPSK	50	0	20.76	20.60	21.00	20.75	
10	16QAM	1	0	20.92	20.78	21.09	20.99	22.4
10	16QAM	1	25	20.87	20.80	20.84	20.72	
10	16QAM	1	49	20.86	20.69	20.87	20.80	
10	16QAM	25	0	20.81	20.74	21.04	20.78	22.4
10	16QAM	25	12	20.74	20.76	21.07	20.84	
10	16QAM	25	25	20.73	20.74	20.89	20.90	
10	16QAM	50	0	20.79	20.76	21.02	20.82	
10	64QAM	1	0	20.76	20.58	20.75	20.48	22.4
10	64QAM	1	25	20.70	20.44	20.57	20.57	
10	64QAM	1	49	20.64	20.40	20.65	20.50	
10	64QAM	25	0	20.82	20.66	20.98	20.81	22.4
10	64QAM	25	12	20.87	20.66	20.91	20.80	
10	64QAM	25	25	20.65	20.60	20.99	20.80	
10	64QAM	50	0	20.63	20.70	20.92	20.63	
10	256QAM	1	0	19.28	19.23	19.29	19.44	20.4
10	256QAM	1	25	19.06	19.14	19.29	19.42	
10	256QAM	1	49	18.99	19.08	19.40	19.33	
10	256QAM	25	0	19.21	19.20	19.52	19.56	20.4
10	256QAM	25	12	19.22	19.19	19.49	19.29	
10	256QAM	25	25	19.35	19.23	19.54	19.41	
10	256QAM	50	0	19.33	19.36	19.71	19.44	
Channel				55265	55810	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3643	3697.5	
5	QPSK	1	0	20.79	20.68	21.09	20.62	22.4
5	QPSK	1	12	20.79	20.46	20.83	20.54	
5	QPSK	1	24	20.67	20.48	20.84	20.76	
5	QPSK	12	0	20.74	20.64	21.10	20.73	22.4
5	QPSK	12	7	20.86	20.60	21.07	20.84	
5	QPSK	12	13	20.71	20.62	20.88	20.73	
5	QPSK	25	0	20.77	20.60	20.97	20.77	
5	16QAM	1	0	20.92	20.76	20.90	20.93	22.4
5	16QAM	1	12	20.74	20.83	20.83	20.83	
5	16QAM	1	24	20.70	20.60	20.92	20.82	
5	16QAM	12	0	20.74	20.71	21.04	20.77	22.4
5	16QAM	12	7	20.78	20.74	20.90	20.74	
5	16QAM	12	13	20.71	20.77	21.01	20.89	
5	16QAM	25	0	20.74	20.75	20.99	20.78	
5	64QAM	1	0	20.63	20.54	20.68	20.55	22.4
5	64QAM	1	12	20.63	20.43	20.75	20.64	
5	64QAM	1	24	20.60	20.49	20.67	20.51	
5	64QAM	12	0	20.72	20.73	21.06	20.81	22.4
5	64QAM	12	7	20.71	20.73	20.97	20.84	
5	64QAM	12	13	20.78	20.62	20.85	20.78	
5	64QAM	25	0	20.77	20.60	20.97	20.73	
5	256QAM	1	0	19.15	19.22	19.31	19.47	20.4
5	256QAM	1	12	19.03	19.24	19.21	19.31	
5	256QAM	1	24	18.94	19.04	19.50	19.29	
5	256QAM	12	0	19.39	19.27	19.49	19.43	20.4
5	256QAM	12	7	19.25	19.23	19.58	19.43	
5	256QAM	12	13	19.25	19.07	19.59	19.48	
5	256QAM	25	0	19.40	19.21	19.57	19.41	





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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	56150	56640	
Frequency (MHz)				3560	3609	3641	3690	
20	QPSK	1	0	22.92	22.88	23.10	22.86	24.7
20	QPSK	1	49	22.85	22.81	23.09	22.85	
20	QPSK	1	99	22.80	22.79	22.88	22.72	
20	QPSK	50	0	21.77	21.78	21.96	21.74	23.7
20	QPSK	50	24	21.76	21.77	21.92	21.73	
20	QPSK	50	50	21.75	21.73	21.87	21.72	
20	QPSK	100	0	21.75	21.76	21.90	21.72	23.7
20	16QAM	1	0	22.09	22.16	22.41	22.22	
20	16QAM	1	49	22.19	22.05	22.24	21.96	
20	16QAM	1	99	21.96	21.90	21.97	21.97	22.7
20	16QAM	50	0	20.84	20.88	20.94	20.70	
20	16QAM	50	24	20.85	20.86	20.88	20.89	
20	16QAM	50	50	20.82	20.82	20.84	20.84	22.7
20	16QAM	100	0	20.78	20.89	20.92	20.87	
20	64QAM	1	0	20.76	20.74	21.01	20.76	
20	64QAM	1	49	20.77	20.82	20.84	20.76	22.7
20	64QAM	1	99	20.72	20.78	20.80	20.83	
20	64QAM	50	0	19.79	19.86	19.91	19.87	
20	64QAM	50	24	19.77	19.79	19.84	19.82	21.7
20	64QAM	50	50	19.74	19.78	19.81	19.82	
20	64QAM	100	0	19.70	19.75	19.79	19.81	
20	256QAM	1	0	18.50	18.37	18.46	18.45	19.7
20	256QAM	1	49	18.43	18.34	18.41	18.35	
20	256QAM	1	99	18.22	18.30	18.34	18.34	
20	256QAM	50	0	18.52	18.44	18.64	18.62	19.7
20	256QAM	50	24	18.46	18.41	18.66	18.53	
20	256QAM	50	50	18.45	18.36	18.60	18.56	
20	256QAM	100	0	18.45	18.30	18.56	18.48	
Channel				55315	55820	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3642	3692.5	
15	QPSK	1	0	22.84	22.82	23.09	22.86	24.7
15	QPSK	1	37	22.70	22.80	22.97	22.79	
15	QPSK	1	74	22.77	22.87	22.71	22.89	
15	QPSK	36	0	21.87	21.82	21.94	21.76	23.7
15	QPSK	36	20	21.72	22.70	21.90	21.80	
15	QPSK	36	39	21.87	21.72	21.81	21.76	
15	QPSK	75	0	21.73	21.76	21.82	21.87	23.7
15	16QAM	1	0	21.94	22.16	22.28	22.04	
15	16QAM	1	37	22.01	21.89	22.13	21.76	
15	16QAM	1	74	21.84	21.86	21.81	21.92	22.7
15	16QAM	36	0	20.79	20.84	20.87	20.88	
15	16QAM	36	20	20.73	20.88	20.81	20.74	
15	16QAM	36	39	20.74	20.75	20.72	20.83	22.7
15	16QAM	75	0	20.74	20.77	20.77	20.78	
15	64QAM	1	0	20.70	20.73	20.90	20.73	
15	64QAM	1	37	21.88	20.72	20.85	20.89	22.7
15	64QAM	1	74	21.77	20.72	20.71	20.82	
15	64QAM	36	0	19.88	19.81	19.79	19.74	
15	64QAM	36	20	19.71	19.86	19.72	19.75	21.7
15	64QAM	36	39	19.83	19.82	19.75	19.75	
15	64QAM	75	0	19.83	19.71	19.77	19.88	
15	256QAM	1	0	18.46	18.25	18.30	18.30	19.7
15	256QAM	1	37	18.43	18.34	18.23	18.21	
15	256QAM	1	74	18.05	18.12	18.26	18.28	
15	256QAM	36	0	18.47	18.41	18.45	18.54	19.7
15	256QAM	36	20	18.26	18.26	18.57	18.39	





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15	256QAM	36	39	18.32	18.26	18.40	18.43	
15	256QAM	75	0	18.39	18.15	18.52	18.41	
Channel				55290	55815	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3642.5	3695	
10	QPSK	1	0	22.92	22.79	23.07	22.82	24.7
10	QPSK	1	25	22.78	22.70	23.01	22.70	
10	QPSK	1	49	22.89	22.79	22.81	22.85	
10	QPSK	25	0	21.73	21.85	21.87	21.87	23.7
10	QPSK	25	12	21.70	22.63	21.81	21.71	
10	QPSK	25	25	21.88	21.71	21.76	21.80	
10	QPSK	50	0	21.84	21.80	21.88	21.73	
10	16QAM	1	0	21.94	22.08	22.36	22.19	23.7
10	16QAM	1	25	22.07	21.97	22.19	21.92	
10	16QAM	1	49	21.93	21.81	21.86	21.96	
10	16QAM	25	0	20.80	20.86	20.91	20.73	22.7
10	16QAM	25	12	20.73	20.85	20.84	20.73	
10	16QAM	25	25	20.88	20.72	20.72	20.84	
10	16QAM	50	0	20.85	20.72	20.83	20.88	
10	64QAM	1	0	20.82	20.76	20.90	20.76	22.7
10	64QAM	1	25	20.84	20.87	20.74	20.76	
10	64QAM	1	49	20.83	20.77	20.70	20.87	
10	64QAM	25	0	19.88	19.86	19.74	19.75	21.7
10	64QAM	25	12	19.76	19.83	19.83	19.88	
10	64QAM	25	25	19.72	19.74	19.89	19.86	
10	64QAM	50	0	19.71	19.84	19.79	19.72	
10	256QAM	1	0	18.43	18.22	18.33	18.36	19.7
10	256QAM	1	25	18.40	18.16	18.32	18.20	
10	256QAM	1	49	18.04	18.23	18.29	18.15	
10	256QAM	25	0	18.50	18.33	18.46	18.53	19.7
10	256QAM	25	12	18.34	18.28	18.56	18.53	
10	256QAM	25	25	18.40	18.31	18.44	18.39	
10	256QAM	50	0	18.34	18.21	18.47	18.46	
Channel				55265	55810	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3643	3697.5	
5	QPSK	1	0	22.88	22.81	22.97	22.87	24.7
5	QPSK	1	12	22.85	22.88	23.05	22.78	
5	QPSK	1	24	22.74	22.83	22.88	22.70	
5	QPSK	12	0	21.80	21.88	21.90	21.74	23.7
5	QPSK	12	7	21.75	22.73	21.76	21.81	
5	QPSK	12	13	21.89	21.75	21.75	21.72	
5	QPSK	25	0	21.88	21.84	21.71	21.71	
5	16QAM	1	0	21.98	22.08	22.34	22.13	23.7
5	16QAM	1	12	22.09	21.97	22.11	21.91	
5	16QAM	1	24	21.77	21.90	21.94	21.83	
5	16QAM	12	0	20.88	20.70	20.74	20.70	22.7
5	16QAM	12	7	20.80	20.85	20.73	20.79	
5	16QAM	12	13	20.72	20.83	20.84	20.80	
5	16QAM	25	0	20.72	20.77	20.79	20.82	
5	64QAM	1	0	20.87	20.87	20.85	20.70	22.7
5	64QAM	1	12	20.88	20.75	20.72	20.81	
5	64QAM	1	24	20.83	20.77	20.77	20.78	
5	64QAM	12	0	19.80	19.77	19.77	19.80	21.7
5	64QAM	12	7	19.72	19.84	19.79	19.86	
5	64QAM	12	13	19.82	19.70	19.71	19.79	
5	64QAM	25	0	19.70	19.83	19.81	19.73	
5	256QAM	1	0	18.43	18.29	18.31	18.33	19.7
5	256QAM	1	12	18.32	18.21	18.39	18.24	
5	256QAM	1	24	18.14	18.25	18.16	18.34	
5	256QAM	12	0	18.47	18.42	18.48	18.60	19.7
5	256QAM	12	7	18.31	18.32	18.58	18.49	
5	256QAM	12	13	18.25	18.30	18.52	18.39	
5	256QAM	25	0	18.45	18.14	18.40	18.33	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	56150	56640	
Frequency (MHz)				3560	3609	3641	3690	
20	QPSK	1	0	20.55	20.44	20.70	20.54	20.7
20	QPSK	1	49	20.36	20.14	20.33	20.18	
20	QPSK	1	99	20.28	20.11	20.35	20.26	
20	QPSK	50	0	20.41	20.34	20.62	20.41	20.7
20	QPSK	50	24	20.36	20.29	20.57	20.40	
20	QPSK	50	50	20.34	20.27	20.52	20.37	
20	QPSK	100	0	20.34	20.27	20.55	20.39	20.7
20	16QAM	1	0	20.49	20.42	20.59	20.50	
20	16QAM	1	49	20.41	20.37	20.53	20.38	
20	16QAM	1	99	20.39	20.29	20.54	20.44	20.7
20	16QAM	50	0	20.42	20.36	20.63	20.43	
20	16QAM	50	24	20.40	20.31	20.59	20.44	
20	16QAM	50	50	20.36	20.29	20.54	20.40	20.7
20	16QAM	100	0	20.35	20.30	20.58	20.42	
20	64QAM	1	0	20.30	20.00	20.38	20.14	
20	64QAM	1	49	20.23	19.94	20.25	20.14	20.7
20	64QAM	1	99	20.17	19.94	20.17	20.12	
20	64QAM	50	0	20.37	20.31	20.57	20.40	
20	64QAM	50	24	20.37	20.29	20.56	20.37	20.7
20	64QAM	50	50	20.30	20.23	20.49	20.35	
20	64QAM	100	0	20.32	20.23	20.50	20.33	
20	256QAM	1	0	19.85	19.91	19.97	20.01	20.4
20	256QAM	1	49	19.71	19.78	19.81	19.92	
20	256QAM	1	99	19.49	19.73	20.02	19.91	
20	256QAM	50	0	19.90	19.81	20.15	20.07	20.4
20	256QAM	50	24	19.89	19.82	20.12	19.97	
20	256QAM	50	50	19.88	19.77	20.10	19.99	
20	256QAM	100	0	19.91	19.88	20.22	20.06	
Channel				55315	55820	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3642	3692.5	
15	QPSK	1	0	20.42	20.31	20.68	20.47	20.7
15	QPSK	1	37	20.26	19.96	20.18	20.14	
15	QPSK	1	74	20.20	19.98	20.25	20.22	
15	QPSK	36	0	20.32	20.19	20.59	20.31	20.7
15	QPSK	36	20	20.24	20.23	20.52	20.26	
15	QPSK	36	39	20.17	20.22	20.42	20.35	
15	QPSK	75	0	20.16	20.23	20.43	20.24	20.7
15	16QAM	1	0	20.47	20.22	20.48	20.46	
15	16QAM	1	37	20.34	20.33	20.50	20.27	
15	16QAM	1	74	20.29	20.26	20.46	20.32	20.7
15	16QAM	36	0	20.23	20.30	20.53	20.40	
15	16QAM	36	20	20.24	20.25	20.52	20.37	
15	16QAM	36	39	20.22	20.21	20.51	20.37	20.7
15	16QAM	75	0	20.18	20.19	20.40	20.39	
15	64QAM	1	0	20.16	19.93	20.36	19.95	
15	64QAM	1	37	20.11	19.90	20.23	20.09	20.7
15	64QAM	1	74	20.13	19.89	19.98	20.04	
15	64QAM	36	0	20.23	20.20	20.44	20.20	
15	64QAM	36	20	20.24	20.18	20.50	20.24	20.7
15	64QAM	36	39	20.17	20.16	20.34	20.29	
15	64QAM	75	0	20.29	20.12	20.48	20.33	
15	256QAM	1	0	19.83	19.73	19.95	20.01	20.4
15	256QAM	1	37	19.62	19.65	19.63	19.88	
15	256QAM	1	74	19.38	19.66	19.85	19.83	
15	256QAM	36	0	19.89	19.66	19.99	19.90	20.4
15	256QAM	36	20	19.83	19.66	19.93	19.94	



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**Report No. :FA2D0206-01F**

15	256QAM	36	39	19.82	19.77	19.99	19.81	
15	256QAM	75	0	19.78	19.83	20.02	20.04	
Channel				55290	55815	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3642.5	3695	
10	QPSK	1	0	20.44	20.41	20.52	20.34	20.7
10	QPSK	1	25	20.29	20.13	20.24	20.07	
10	QPSK	1	49	20.19	19.93	20.30	20.23	
10	QPSK	25	0	20.32	20.32	20.58	20.35	20.7
10	QPSK	25	12	20.27	20.21	20.57	20.32	
10	QPSK	25	25	20.27	20.12	20.46	20.32	
10	QPSK	50	0	20.34	20.21	20.54	20.24	
10	16QAM	1	0	20.33	20.27	20.55	20.50	20.7
10	16QAM	1	25	20.39	20.34	20.51	20.31	
10	16QAM	1	49	20.30	20.10	20.41	20.44	
10	16QAM	25	0	20.28	20.33	20.60	20.28	20.7
10	16QAM	25	12	20.27	20.13	20.52	20.32	
10	16QAM	25	25	20.31	20.18	20.41	20.29	
10	16QAM	50	0	20.29	20.25	20.58	20.30	
10	64QAM	1	0	20.30	19.84	20.26	20.04	20.7
10	64QAM	1	25	20.06	19.82	20.14	19.97	
10	64QAM	1	49	20.11	19.77	20.01	20.03	
10	64QAM	25	0	20.20	20.26	20.55	20.39	20.7
10	64QAM	25	12	20.27	20.24	20.56	20.22	
10	64QAM	25	25	20.19	20.21	20.47	20.35	
10	64QAM	50	0	20.28	20.13	20.43	20.31	
10	256QAM	1	0	19.84	19.78	19.85	19.99	20.4
10	256QAM	1	25	19.59	19.61	19.72	19.82	
10	256QAM	1	49	19.35	19.53	20.02	19.80	
10	256QAM	25	0	19.82	19.70	20.02	19.92	20.4
10	256QAM	25	12	19.74	19.76	19.99	19.82	
10	256QAM	25	25	19.75	19.74	19.98	19.92	
10	256QAM	50	0	19.87	19.74	20.04	19.96	
Channel				55265	55810	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3643	3697.5	
5	QPSK	1	0	20.52	20.24	20.61	20.49	20.7
5	QPSK	1	12	20.21	20.00	20.18	20.01	
5	QPSK	1	24	20.22	20.01	20.32	20.14	
5	QPSK	12	0	20.32	20.17	20.61	20.38	20.7
5	QPSK	12	7	20.34	20.22	20.51	20.28	
5	QPSK	12	13	20.32	20.16	20.52	20.25	
5	QPSK	25	0	20.22	20.22	20.45	20.23	
5	16QAM	1	0	20.45	20.38	20.40	20.35	20.7
5	16QAM	1	12	20.24	20.30	20.50	20.32	
5	16QAM	1	24	20.31	20.25	20.44	20.37	
5	16QAM	12	0	20.28	20.26	20.57	20.30	20.7
5	16QAM	12	7	20.34	20.25	20.57	20.40	
5	16QAM	12	13	20.22	20.17	20.47	20.25	
5	16QAM	25	0	20.26	20.16	20.43	20.39	
5	64QAM	1	0	20.27	19.80	20.26	19.98	20.7
5	64QAM	1	12	20.09	19.78	20.23	19.98	
5	64QAM	1	24	20.05	19.80	19.98	19.97	
5	64QAM	12	0	20.21	20.23	20.50	20.28	20.7
5	64QAM	12	7	20.17	20.09	20.45	20.35	
5	64QAM	12	13	20.22	20.16	20.35	20.34	
5	64QAM	25	0	20.21	20.20	20.50	20.24	
5	256QAM	1	0	19.82	19.85	19.90	19.97	20.4
5	256QAM	1	12	19.53	19.61	19.73	19.89	
5	256QAM	1	24	19.37	19.63	19.87	19.75	
5	256QAM	12	0	19.73	19.77	20.00	19.88	20.4
5	256QAM	12	7	19.89	19.69	19.92	19.77	
5	256QAM	12	13	19.82	19.74	20.03	19.83	
5	256QAM	25	0	19.89	19.76	20.20	19.98	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	56150	56640	
Frequency (MHz)				3560	3609	3641	3690	
20	QPSK	1	0	22.92	22.88	23.10	22.86	23.7
20	QPSK	1	49	22.85	22.81	23.09	22.85	
20	QPSK	1	99	22.80	22.79	22.88	22.72	
20	QPSK	50	0	21.77	21.78	21.96	21.74	23.7
20	QPSK	50	24	21.76	21.77	21.92	21.73	
20	QPSK	50	50	21.75	21.73	21.87	21.72	
20	QPSK	100	0	21.75	21.76	21.90	21.72	23.7
20	16QAM	1	0	22.09	22.16	22.41	22.22	
20	16QAM	1	49	22.19	22.05	22.24	21.96	
20	16QAM	1	99	21.96	21.90	21.97	21.97	22.7
20	16QAM	50	0	20.84	20.88	20.94	20.70	
20	16QAM	50	24	20.85	20.86	20.88	20.89	
20	16QAM	50	50	20.82	20.82	20.84	20.84	22.7
20	16QAM	100	0	20.78	20.89	20.92	20.87	
20	64QAM	1	0	20.76	20.74	21.01	20.76	
20	64QAM	1	49	20.77	20.82	20.84	20.76	22.7
20	64QAM	1	99	20.72	20.78	20.80	20.83	
20	64QAM	50	0	19.79	19.86	19.91	19.87	
20	64QAM	50	24	19.77	19.79	19.84	19.82	21.7
20	64QAM	50	50	19.74	19.78	19.81	19.82	
20	64QAM	100	0	19.70	19.75	19.79	19.81	
20	256QAM	1	0	18.50	18.37	18.46	18.45	19.7
20	256QAM	1	49	18.43	18.34	18.41	18.35	
20	256QAM	1	99	18.22	18.30	18.34	18.34	
20	256QAM	50	0	18.52	18.44	18.64	18.62	19.7
20	256QAM	50	24	18.46	18.41	18.66	18.53	
20	256QAM	50	50	18.45	18.36	18.60	18.56	
20	256QAM	100	0	18.45	18.30	18.56	18.48	
Channel				55315	55820	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3642	3692.5	
15	QPSK	1	0	22.84	22.82	23.09	22.86	23.7
15	QPSK	1	37	22.70	22.80	22.97	22.79	
15	QPSK	1	74	22.77	22.87	22.71	22.89	
15	QPSK	36	0	21.87	21.82	21.94	21.76	23.7
15	QPSK	36	20	21.72	22.70	21.90	21.80	
15	QPSK	36	39	21.87	21.72	21.81	21.76	
15	QPSK	75	0	21.73	21.76	21.82	21.87	23.7
15	16QAM	1	0	21.94	22.16	22.28	22.04	
15	16QAM	1	37	22.01	21.89	22.13	21.76	
15	16QAM	1	74	21.84	21.86	21.81	21.92	22.7
15	16QAM	36	0	20.79	20.84	20.87	20.88	
15	16QAM	36	20	20.73	20.88	20.81	20.74	
15	16QAM	36	39	20.74	20.75	20.72	20.83	22.7
15	16QAM	75	0	20.74	20.77	20.77	20.78	
15	64QAM	1	0	20.70	20.73	20.90	20.73	
15	64QAM	1	37	21.88	20.72	20.85	20.89	22.7
15	64QAM	1	74	21.77	20.72	20.71	20.82	
15	64QAM	36	0	19.88	19.81	19.79	19.74	
15	64QAM	36	20	19.71	19.86	19.72	19.75	21.7
15	64QAM	36	39	19.83	19.82	19.75	19.75	
15	64QAM	75	0	19.83	19.71	19.77	19.88	
15	256QAM	1	0	18.46	18.25	18.30	18.30	19.7
15	256QAM	1	37	18.43	18.34	18.23	18.21	
15	256QAM	1	74	18.05	18.12	18.26	18.28	
15	256QAM	36	0	18.47	18.41	18.45	18.54	19.7
15	256QAM	36	20	18.26	18.26	18.57	18.39	



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**Report No. :FA2D0206-01F**

15	256QAM	36	39	18.32	18.26	18.40	18.43	
15	256QAM	75	0	18.39	18.15	18.52	18.41	
Channel				55290	55815	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3642.5	3695	
10	QPSK	1	0	22.92	22.79	23.07	22.82	23.7
10	QPSK	1	25	22.78	22.70	23.01	22.70	
10	QPSK	1	49	22.89	22.79	22.81	22.85	
10	QPSK	25	0	21.73	21.85	21.87	21.87	23.7
10	QPSK	25	12	21.70	22.63	21.81	21.71	
10	QPSK	25	25	21.88	21.71	21.76	21.80	
10	QPSK	50	0	21.84	21.80	21.88	21.73	
10	16QAM	1	0	21.94	22.08	22.36	22.19	23.7
10	16QAM	1	25	22.07	21.97	22.19	21.92	
10	16QAM	1	49	21.93	21.81	21.86	21.96	
10	16QAM	25	0	20.80	20.86	20.91	20.73	22.7
10	16QAM	25	12	20.73	20.85	20.84	20.73	
10	16QAM	25	25	20.88	20.72	20.72	20.84	
10	16QAM	50	0	20.85	20.72	20.83	20.88	
10	64QAM	1	0	20.82	20.76	20.90	20.76	22.7
10	64QAM	1	25	20.84	20.87	20.74	20.76	
10	64QAM	1	49	20.83	20.77	20.70	20.87	
10	64QAM	25	0	19.88	19.86	19.74	19.75	21.7
10	64QAM	25	12	19.76	19.83	19.83	19.88	
10	64QAM	25	25	19.72	19.74	19.89	19.86	
10	64QAM	50	0	19.71	19.84	19.79	19.72	
10	256QAM	1	0	18.43	18.22	18.33	18.36	19.7
10	256QAM	1	25	18.40	18.16	18.32	18.20	
10	256QAM	1	49	18.04	18.23	18.29	18.15	
10	256QAM	25	0	18.50	18.33	18.46	18.53	19.7
10	256QAM	25	12	18.34	18.28	18.56	18.53	
10	256QAM	25	25	18.40	18.31	18.44	18.39	
10	256QAM	50	0	18.34	18.21	18.47	18.46	
Channel				55265	55810	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3643	3697.5	
5	QPSK	1	0	22.88	22.81	22.97	22.87	23.7
5	QPSK	1	12	22.85	22.88	23.05	22.78	
5	QPSK	1	24	22.74	22.83	22.88	22.70	
5	QPSK	12	0	21.80	21.88	21.90	21.74	23.7
5	QPSK	12	7	21.75	22.73	21.76	21.81	
5	QPSK	12	13	21.89	21.75	21.75	21.72	
5	QPSK	25	0	21.88	21.84	21.71	21.71	
5	16QAM	1	0	21.98	22.08	22.34	22.13	23.7
5	16QAM	1	12	22.09	21.97	22.11	21.91	
5	16QAM	1	24	21.77	21.90	21.94	21.83	
5	16QAM	12	0	20.88	20.70	20.74	20.70	22.7
5	16QAM	12	7	20.80	20.85	20.73	20.79	
5	16QAM	12	13	20.72	20.83	20.84	20.80	
5	16QAM	25	0	20.72	20.77	20.79	20.82	
5	64QAM	1	0	20.87	20.87	20.85	20.70	22.7
5	64QAM	1	12	20.88	20.75	20.72	20.81	
5	64QAM	1	24	20.83	20.77	20.77	20.78	
5	64QAM	12	0	19.80	19.77	19.77	19.80	21.7
5	64QAM	12	7	19.72	19.84	19.79	19.86	
5	64QAM	12	13	19.82	19.70	19.71	19.79	
5	64QAM	25	0	19.70	19.83	19.81	19.73	
5	256QAM	1	0	18.43	18.29	18.31	18.33	19.7
5	256QAM	1	12	18.32	18.21	18.39	18.24	
5	256QAM	1	24	18.14	18.25	18.16	18.34	
5	256QAM	12	0	18.47	18.42	18.48	18.60	19.7
5	256QAM	12	7	18.31	18.32	18.58	18.49	
5	256QAM	12	13	18.25	18.30	18.52	18.39	
5	256QAM	25	0	18.45	18.14	18.40	18.33	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	56150	56640	
Frequency (MHz)				3560	3609	3641	3690	
20	QPSK	1	0	20.55	20.44	20.70	20.54	21.4
20	QPSK	1	49	20.36	20.14	20.33	20.18	
20	QPSK	1	99	20.28	20.11	20.35	20.26	
20	QPSK	50	0	20.41	20.34	20.62	20.41	21.4
20	QPSK	50	24	20.36	20.29	20.57	20.40	
20	QPSK	50	50	20.34	20.27	20.52	20.37	
20	QPSK	100	0	20.34	20.27	20.55	20.39	21.4
20	16QAM	1	0	20.49	20.42	20.59	20.50	
20	16QAM	1	49	20.41	20.37	20.53	20.38	
20	16QAM	1	99	20.39	20.29	20.54	20.44	21.4
20	16QAM	50	0	20.42	20.36	20.63	20.43	
20	16QAM	50	24	20.40	20.31	20.59	20.44	
20	16QAM	50	50	20.36	20.29	20.54	20.40	21.4
20	16QAM	100	0	20.35	20.30	20.58	20.42	
20	64QAM	1	0	20.30	20.00	20.38	20.14	
20	64QAM	1	49	20.23	19.94	20.25	20.14	21.4
20	64QAM	1	99	20.17	19.94	20.17	20.12	
20	64QAM	50	0	20.37	20.31	20.57	20.40	
20	64QAM	50	24	20.37	20.29	20.56	20.37	21.4
20	64QAM	50	50	20.30	20.23	20.49	20.35	
20	64QAM	100	0	20.32	20.23	20.50	20.33	
20	256QAM	1	0	19.85	19.91	19.97	20.01	20.4
20	256QAM	1	49	19.71	19.78	19.81	19.92	
20	256QAM	1	99	19.49	19.73	20.02	19.91	
20	256QAM	50	0	19.90	19.81	20.15	20.07	20.4
20	256QAM	50	24	19.89	19.82	20.12	19.97	
20	256QAM	50	50	19.88	19.77	20.10	19.99	
20	256QAM	100	0	19.91	19.88	20.22	20.06	
Channel				55315	55820	56160	56665	
Frequency (MHz)				3557.5	3608	3642	3692.5	Tune-up limit (dBm)
15	QPSK	1	0	20.42	20.31	20.68	20.47	21.4
15	QPSK	1	37	20.26	19.96	20.18	20.14	
15	QPSK	1	74	20.20	19.98	20.25	20.22	
15	QPSK	36	0	20.32	20.19	20.59	20.31	21.4
15	QPSK	36	20	20.24	20.23	20.52	20.26	
15	QPSK	36	39	20.17	20.22	20.42	20.35	
15	QPSK	75	0	20.16	20.23	20.43	20.24	21.4
15	16QAM	1	0	20.47	20.22	20.48	20.46	
15	16QAM	1	37	20.34	20.33	20.50	20.27	
15	16QAM	1	74	20.29	20.26	20.46	20.32	21.4
15	16QAM	36	0	20.23	20.30	20.53	20.40	
15	16QAM	36	20	20.24	20.25	20.52	20.37	
15	16QAM	36	39	20.22	20.21	20.51	20.37	21.4
15	16QAM	75	0	20.18	20.19	20.40	20.39	
15	64QAM	1	0	20.16	19.93	20.36	19.95	
15	64QAM	1	37	20.11	19.90	20.23	20.09	21.4
15	64QAM	1	74	20.13	19.89	19.98	20.04	
15	64QAM	36	0	20.23	20.20	20.44	20.20	
15	64QAM	36	20	20.24	20.18	20.50	20.24	21.4
15	64QAM	36	39	20.17	20.16	20.34	20.29	
15	64QAM	75	0	20.29	20.12	20.48	20.33	
15	256QAM	1	0	19.83	19.73	19.95	20.01	20.4
15	256QAM	1	37	19.62	19.65	19.63	19.88	
15	256QAM	1	74	19.38	19.66	19.85	19.83	
15	256QAM	36	0	19.89	19.66	19.99	19.90	20.4
15	256QAM	36	20	19.83	19.66	19.93	19.94	



**FCC SAR TEST REPORT**

**Report No. :FA2D0206-01F**

15	256QAM	36	39	19.82	19.77	19.99	19.81	
15	256QAM	75	0	19.78	19.83	20.02	20.04	
Channel				55290	55815	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3642.5	3695	
10	QPSK	1	0	20.44	20.41	20.52	20.34	21.4
10	QPSK	1	25	20.29	20.13	20.24	20.07	
10	QPSK	1	49	20.19	19.93	20.30	20.23	
10	QPSK	25	0	20.32	20.32	20.58	20.35	21.4
10	QPSK	25	12	20.27	20.21	20.57	20.32	
10	QPSK	25	25	20.27	20.12	20.46	20.32	
10	QPSK	50	0	20.34	20.21	20.54	20.24	
10	16QAM	1	0	20.33	20.27	20.55	20.50	21.4
10	16QAM	1	25	20.39	20.34	20.51	20.31	
10	16QAM	1	49	20.30	20.10	20.41	20.44	
10	16QAM	25	0	20.28	20.33	20.60	20.28	21.4
10	16QAM	25	12	20.27	20.13	20.52	20.32	
10	16QAM	25	25	20.31	20.18	20.41	20.29	
10	16QAM	50	0	20.29	20.25	20.58	20.30	
10	64QAM	1	0	20.30	19.84	20.26	20.04	21.4
10	64QAM	1	25	20.06	19.82	20.14	19.97	
10	64QAM	1	49	20.11	19.77	20.01	20.03	
10	64QAM	25	0	20.20	20.26	20.55	20.39	21.4
10	64QAM	25	12	20.27	20.24	20.56	20.22	
10	64QAM	25	25	20.19	20.21	20.47	20.35	
10	64QAM	50	0	20.28	20.13	20.43	20.31	
10	256QAM	1	0	19.84	19.78	19.85	19.99	20.4
10	256QAM	1	25	19.59	19.61	19.72	19.82	
10	256QAM	1	49	19.35	19.53	20.02	19.80	
10	256QAM	25	0	19.82	19.70	20.02	19.92	20.4
10	256QAM	25	12	19.74	19.76	19.99	19.82	
10	256QAM	25	25	19.75	19.74	19.98	19.92	
10	256QAM	50	0	19.87	19.74	20.04	19.96	
Channel				55265	55810	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3643	3697.5	
5	QPSK	1	0	20.52	20.24	20.61	20.49	21.4
5	QPSK	1	12	20.21	20.00	20.18	20.01	
5	QPSK	1	24	20.22	20.01	20.32	20.14	
5	QPSK	12	0	20.32	20.17	20.61	20.38	21.4
5	QPSK	12	7	20.34	20.22	20.51	20.28	
5	QPSK	12	13	20.32	20.16	20.52	20.25	
5	QPSK	25	0	20.22	20.22	20.45	20.23	
5	16QAM	1	0	20.45	20.38	20.40	20.35	21.4
5	16QAM	1	12	20.24	20.30	20.50	20.32	
5	16QAM	1	24	20.31	20.25	20.44	20.37	
5	16QAM	12	0	20.28	20.26	20.57	20.30	21.4
5	16QAM	12	7	20.34	20.25	20.57	20.40	
5	16QAM	12	13	20.22	20.17	20.47	20.25	
5	16QAM	25	0	20.26	20.16	20.43	20.39	
5	64QAM	1	0	20.27	19.80	20.26	19.98	21.4
5	64QAM	1	12	20.09	19.78	20.23	19.98	
5	64QAM	1	24	20.05	19.80	19.98	19.97	
5	64QAM	12	0	20.21	20.23	20.50	20.28	21.4
5	64QAM	12	7	20.17	20.09	20.45	20.35	
5	64QAM	12	13	20.22	20.16	20.35	20.34	
5	64QAM	25	0	20.21	20.20	20.50	20.24	
5	256QAM	1	0	19.82	19.85	19.90	19.97	20.4
5	256QAM	1	12	19.53	19.61	19.73	19.89	
5	256QAM	1	24	19.37	19.63	19.87	19.75	
5	256QAM	12	0	19.73	19.77	20.00	19.88	20.4
5	256QAM	12	7	19.89	19.69	19.92	19.77	
5	256QAM	12	13	19.82	19.74	20.03	19.83	
5	256QAM	25	0	19.89	19.76	20.20	19.98	





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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				55340	55830	56150	56640	
Frequency (MHz)				3560	3609	3641	3690	
20	QPSK	1	0	22.92	22.88	23.10	22.86	24.4
20	QPSK	1	49	22.85	22.81	23.09	22.85	
20	QPSK	1	99	22.80	22.79	22.88	22.72	
20	QPSK	50	0	21.77	21.78	21.96	21.74	23.7
20	QPSK	50	24	21.76	21.77	21.92	21.73	
20	QPSK	50	50	21.75	21.73	21.87	21.72	
20	QPSK	100	0	21.75	21.76	21.90	21.72	23.7
20	16QAM	1	0	22.09	22.16	22.41	22.22	
20	16QAM	1	49	22.19	22.05	22.24	21.96	
20	16QAM	1	99	21.96	21.90	21.97	21.97	22.7
20	16QAM	50	0	20.84	20.88	20.94	20.70	
20	16QAM	50	24	20.85	20.86	20.88	20.89	
20	16QAM	50	50	20.82	20.82	20.84	20.84	22.7
20	16QAM	100	0	20.78	20.89	20.92	20.87	
20	64QAM	1	0	20.76	20.74	21.01	20.76	
20	64QAM	1	49	20.77	20.82	20.84	20.76	22.7
20	64QAM	1	99	20.72	20.78	20.80	20.83	
20	64QAM	50	0	19.79	19.86	19.91	19.87	
20	64QAM	50	24	19.77	19.79	19.84	19.82	21.7
20	64QAM	50	50	19.74	19.78	19.81	19.82	
20	64QAM	100	0	19.70	19.75	19.79	19.81	
20	256QAM	1	0	18.50	18.37	18.46	18.45	19.7
20	256QAM	1	49	18.43	18.34	18.41	18.35	
20	256QAM	1	99	18.22	18.30	18.34	18.34	
20	256QAM	50	0	18.52	18.44	18.64	18.62	19.7
20	256QAM	50	24	18.46	18.41	18.66	18.53	
20	256QAM	50	50	18.45	18.36	18.60	18.56	
20	256QAM	100	0	18.45	18.30	18.56	18.48	
Channel				55315	55820	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3642	3692.5	
15	QPSK	1	0	22.84	22.82	23.09	22.86	24.4
15	QPSK	1	37	22.70	22.80	22.97	22.79	
15	QPSK	1	74	22.77	22.87	22.71	22.89	
15	QPSK	36	0	21.87	21.82	21.94	21.76	23.7
15	QPSK	36	20	21.72	22.70	21.90	21.80	
15	QPSK	36	39	21.87	21.72	21.81	21.76	
15	QPSK	75	0	21.73	21.76	21.82	21.87	23.7
15	16QAM	1	0	21.94	22.16	22.28	22.04	
15	16QAM	1	37	22.01	21.89	22.13	21.76	
15	16QAM	1	74	21.84	21.86	21.81	21.92	22.7
15	16QAM	36	0	20.79	20.84	20.87	20.88	
15	16QAM	36	20	20.73	20.88	20.81	20.74	
15	16QAM	36	39	20.74	20.75	20.72	20.83	22.7
15	16QAM	75	0	20.74	20.77	20.77	20.78	
15	64QAM	1	0	20.70	20.73	20.90	20.73	
15	64QAM	1	37	21.88	20.72	20.85	20.89	22.7
15	64QAM	1	74	21.77	20.72	20.71	20.82	
15	64QAM	36	0	19.88	19.81	19.79	19.74	
15	64QAM	36	20	19.71	19.86	19.72	19.75	21.7
15	64QAM	36	39	19.83	19.82	19.75	19.75	
15	64QAM	75	0	19.83	19.71	19.77	19.88	
15	256QAM	1	0	18.46	18.25	18.30	18.30	19.7
15	256QAM	1	37	18.43	18.34	18.23	18.21	
15	256QAM	1	74	18.05	18.12	18.26	18.28	
15	256QAM	36	0	18.47	18.41	18.45	18.54	19.7
15	256QAM	36	20	18.26	18.26	18.57	18.39	





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15	256QAM	36	39	18.32	18.26	18.40	18.43	
15	256QAM	75	0	18.39	18.15	18.52	18.41	
Channel				55290	55815	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3642.5	3695	
10	QPSK	1	0	22.92	22.79	23.07	22.82	24.4
10	QPSK	1	25	22.78	22.70	23.01	22.70	
10	QPSK	1	49	22.89	22.79	22.81	22.85	
10	QPSK	25	0	21.73	21.85	21.87	21.87	23.7
10	QPSK	25	12	21.70	22.63	21.81	21.71	
10	QPSK	25	25	21.88	21.71	21.76	21.80	
10	QPSK	50	0	21.84	21.80	21.88	21.73	
10	16QAM	1	0	21.94	22.08	22.36	22.19	23.7
10	16QAM	1	25	22.07	21.97	22.19	21.92	
10	16QAM	1	49	21.93	21.81	21.86	21.96	
10	16QAM	25	0	20.80	20.86	20.91	20.73	22.7
10	16QAM	25	12	20.73	20.85	20.84	20.73	
10	16QAM	25	25	20.88	20.72	20.72	20.84	
10	16QAM	50	0	20.85	20.72	20.83	20.88	
10	64QAM	1	0	20.82	20.76	20.90	20.76	22.7
10	64QAM	1	25	20.84	20.87	20.74	20.76	
10	64QAM	1	49	20.83	20.77	20.70	20.87	
10	64QAM	25	0	19.88	19.86	19.74	19.75	21.7
10	64QAM	25	12	19.76	19.83	19.83	19.88	
10	64QAM	25	25	19.72	19.74	19.89	19.86	
10	64QAM	50	0	19.71	19.84	19.79	19.72	
10	256QAM	1	0	18.43	18.22	18.33	18.36	19.7
10	256QAM	1	25	18.40	18.16	18.32	18.20	
10	256QAM	1	49	18.04	18.23	18.29	18.15	
10	256QAM	25	0	18.50	18.33	18.46	18.53	19.7
10	256QAM	25	12	18.34	18.28	18.56	18.53	
10	256QAM	25	25	18.40	18.31	18.44	18.39	
10	256QAM	50	0	18.34	18.21	18.47	18.46	
Channel				55265	55810	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3643	3697.5	
5	QPSK	1	0	22.88	22.81	22.97	22.87	24.4
5	QPSK	1	12	22.85	22.88	23.05	22.78	
5	QPSK	1	24	22.74	22.83	22.88	22.70	
5	QPSK	12	0	21.80	21.88	21.90	21.74	23.7
5	QPSK	12	7	21.75	22.73	21.76	21.81	
5	QPSK	12	13	21.89	21.75	21.75	21.72	
5	QPSK	25	0	21.88	21.84	21.71	21.71	
5	16QAM	1	0	21.98	22.08	22.34	22.13	23.7
5	16QAM	1	12	22.09	21.97	22.11	21.91	
5	16QAM	1	24	21.77	21.90	21.94	21.83	
5	16QAM	12	0	20.88	20.70	20.74	20.70	22.7
5	16QAM	12	7	20.80	20.85	20.73	20.79	
5	16QAM	12	13	20.72	20.83	20.84	20.80	
5	16QAM	25	0	20.72	20.77	20.79	20.82	
5	64QAM	1	0	20.87	20.87	20.85	20.70	22.7
5	64QAM	1	12	20.88	20.75	20.72	20.81	
5	64QAM	1	24	20.83	20.77	20.77	20.78	
5	64QAM	12	0	19.80	19.77	19.77	19.80	21.7
5	64QAM	12	7	19.72	19.84	19.79	19.86	
5	64QAM	12	13	19.82	19.70	19.71	19.79	
5	64QAM	25	0	19.70	19.83	19.81	19.73	
5	256QAM	1	0	18.43	18.29	18.31	18.33	19.7
5	256QAM	1	12	18.32	18.21	18.39	18.24	
5	256QAM	1	24	18.14	18.25	18.16	18.34	
5	256QAM	12	0	18.47	18.42	18.48	18.60	19.7
5	256QAM	12	7	18.31	18.32	18.58	18.49	
5	256QAM	12	13	18.25	18.30	18.52	18.39	
5	256QAM	25	0	18.45	18.14	18.40	18.33	