



FCC SAR TEST REPORT

Report No. : FA2D0208-01F

3	QPSK	1	0	20.43	20.52	20.74	21.3
3	QPSK	1	8	20.61	20.46	20.56	
3	QPSK	1	14	20.51	20.46	20.49	
3	QPSK	8	0	20.65	20.63	20.72	21.3
3	QPSK	8	4	20.57	20.56	20.57	
3	QPSK	8	7	20.65	20.50	20.44	
3	QPSK	15	0	20.50	20.55	20.48	
3	16QAM	1	0	20.84	20.69	21.10	21.3
3	16QAM	1	8	20.79	20.55	20.84	
3	16QAM	1	14	20.80	20.51	20.45	
3	16QAM	8	0	20.46	20.57	20.70	21.3
3	16QAM	8	4	20.54	20.53	20.53	
3	16QAM	8	7	20.55	20.51	20.41	
3	16QAM	15	0	20.51	20.49	20.44	
3	64QAM	1	0	20.63	20.51	20.88	21.3
3	64QAM	1	8	20.62	20.44	20.57	
3	64QAM	1	14	20.66	20.48	20.41	
3	64QAM	8	0	20.51	20.60	20.71	21.3
3	64QAM	8	4	20.57	20.52	20.56	
3	64QAM	8	7	20.62	20.57	20.61	
3	64QAM	15	0	20.50	20.47	20.51	
3	256QAM	1	0	19.41	19.22	19.40	20.3
3	256QAM	1	8	19.11	19.29	19.15	
3	256QAM	1	14	19.06	19.17	19.03	
3	256QAM	8	0	19.23	19.29	19.29	20.3
3	256QAM	8	4	19.15	19.31	19.24	
3	256QAM	8	7	19.18	19.17	19.19	
3	256QAM	15	0	19.12	19.26	19.17	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	20.50	20.60	20.84	21.3
1.4	QPSK	1	3	20.62	20.44	20.62	
1.4	QPSK	1	5	20.52	20.51	20.45	
1.4	QPSK	3	0	20.61	20.61	20.67	
1.4	QPSK	3	1	20.58	20.51	20.55	
1.4	QPSK	3	3	20.57	20.51	20.44	
1.4	QPSK	6	0	20.52	20.58	20.51	21.3
1.4	16QAM	1	0	20.85	20.70	21.12	21.3
1.4	16QAM	1	3	20.86	20.49	20.83	
1.4	16QAM	1	5	20.80	20.46	20.50	
1.4	16QAM	3	0	20.51	20.49	20.62	
1.4	16QAM	3	1	20.52	20.48	20.54	
1.4	16QAM	3	3	20.60	20.49	20.53	
1.4	16QAM	6	0	20.51	20.49	20.45	21.3
1.4	64QAM	1	0	20.62	20.48	20.83	21.3
1.4	64QAM	1	3	20.64	20.41	20.50	
1.4	64QAM	1	5	20.64	20.52	20.40	
1.4	64QAM	3	0	20.49	20.51	20.66	
1.4	64QAM	3	1	20.59	20.50	20.60	
1.4	64QAM	3	3	20.63	20.57	20.58	
1.4	64QAM	6	0	20.50	20.43	20.50	21.3
1.4	256QAM	1	0	19.36	19.17	19.46	20.3
1.4	256QAM	1	3	19.06	19.36	19.17	
1.4	256QAM	1	5	19.06	19.19	19.03	
1.4	256QAM	3	0	19.26	19.29	19.28	
1.4	256QAM	3	1	19.24	19.30	19.22	
1.4	256QAM	3	3	19.14	19.20	19.16	
1.4	256QAM	6	0	19.12	19.23	19.25	20.3



<LTE Band 66_Ant 5_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				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	18.90	18.79	18.84	19.9
20	QPSK	1	49	18.64	18.74	18.67	
20	QPSK	1	99	18.61	18.69	18.65	
20	QPSK	50	0	18.83	18.72	18.73	19.9
20	QPSK	50	24	18.65	18.70	18.61	
20	QPSK	50	50	18.62	18.67	18.60	
20	QPSK	100	0	18.64	18.66	18.65	19.9
20	16QAM	1	0	18.87	18.91	18.90	
20	16QAM	1	49	18.67	18.70	18.67	
20	16QAM	1	99	18.58	18.68	18.64	19.9
20	16QAM	50	0	18.53	18.63	18.56	
20	16QAM	50	24	18.51	18.61	18.52	
20	16QAM	50	50	18.55	18.58	18.50	19.9
20	16QAM	100	0	18.56	18.57	18.48	
20	64QAM	1	0	18.90	18.90	18.88	
20	64QAM	1	49	18.60	18.64	18.57	19.9
20	64QAM	1	99	18.61	18.69	18.62	
20	64QAM	50	0	18.59	18.65	18.59	
20	64QAM	50	24	18.68	18.68	18.59	19.9
20	64QAM	50	50	18.52	18.61	18.60	
20	64QAM	100	0	18.54	18.62	18.58	
20	256QAM	1	0	18.77	18.87	18.84	19.9
20	256QAM	1	49	18.77	18.77	18.74	
20	256QAM	1	99	18.79	18.84	18.75	
20	256QAM	50	0	18.71	18.74	18.66	19.9
20	256QAM	50	24	18.74	18.83	18.75	
20	256QAM	50	50	18.61	18.69	18.63	
20	256QAM	100	0	18.68	18.76	18.75	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	18.80	18.74	18.84	19.9
15	QPSK	1	37	18.56	18.69	18.58	
15	QPSK	1	74	18.58	18.63	18.63	
15	QPSK	36	0	18.59	18.71	18.65	19.9
15	QPSK	36	20	18.60	18.63	18.61	
15	QPSK	36	39	18.52	18.59	18.51	
15	QPSK	75	0	18.54	18.56	18.64	19.9
15	16QAM	1	0	18.79	18.82	18.90	
15	16QAM	1	37	18.59	18.69	18.63	
15	16QAM	1	74	18.50	18.68	18.63	19.9
15	16QAM	36	0	18.45	18.55	18.48	
15	16QAM	36	20	18.43	18.61	18.46	
15	16QAM	36	39	18.46	18.53	18.50	19.9
15	16QAM	75	0	18.55	18.53	18.44	
15	64QAM	1	0	18.87	18.90	18.87	
15	64QAM	1	37	18.58	18.57	18.49	19.9
15	64QAM	1	74	18.56	18.64	18.57	
15	64QAM	36	0	18.59	18.60	18.54	
15	64QAM	36	20	18.65	18.59	18.56	19.9
15	64QAM	36	39	18.50	18.57	18.59	
15	64QAM	75	0	18.52	18.62	18.48	
15	256QAM	1	0	18.69	18.77	18.80	19.9
15	256QAM	1	37	18.75	18.67	18.64	
15	256QAM	1	74	18.70	18.77	18.75	
15	256QAM	36	0	18.68	18.74	18.57	19.9
15	256QAM	36	20	18.74	18.77	18.73	
15	256QAM	36	39	18.52	18.62	18.62	



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15	256QAM	75	0	18.64	18.66	18.67	Tune-up limit (dBm)
Channel				132022	132322	132622	
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	18.83	18.69	18.77	19.9
10	QPSK	1	25	18.54	18.67	18.67	
10	QPSK	1	49	18.51	18.68	18.65	
10	QPSK	25	0	18.65	18.63	18.61	19.9
10	QPSK	25	12	18.61	18.68	18.61	
10	QPSK	25	25	18.52	18.57	18.55	
10	QPSK	50	0	18.60	18.56	18.55	19.9
10	16QAM	1	0	18.87	18.84	18.90	
10	16QAM	1	25	18.62	18.60	18.59	
10	16QAM	1	49	18.52	18.60	18.61	19.9
10	16QAM	25	0	18.51	18.59	18.55	
10	16QAM	25	12	18.46	18.60	18.45	
10	16QAM	25	25	18.54	18.54	18.47	19.9
10	16QAM	50	0	18.46	18.55	18.46	
10	64QAM	1	0	18.80	18.90	18.80	
10	64QAM	1	25	18.50	18.54	18.57	19.9
10	64QAM	1	49	18.56	18.62	18.53	
10	64QAM	25	0	18.55	18.55	18.50	
10	64QAM	25	12	18.67	18.62	18.49	19.9
10	64QAM	25	25	18.46	18.59	18.59	
10	64QAM	50	0	18.54	18.57	18.57	
10	256QAM	1	0	18.76	18.77	18.84	19.9
10	256QAM	1	25	18.76	18.70	18.70	
10	256QAM	1	49	18.76	18.83	18.69	
10	256QAM	25	0	18.62	18.71	18.59	19.9
10	256QAM	25	12	18.66	18.73	18.73	
10	256QAM	25	25	18.51	18.67	18.62	
10	256QAM	50	0	18.60	18.71	18.66	Tune-up limit (dBm)
Channel				131997	132322	132647	
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	18.89	18.76	18.83	19.9
5	QPSK	1	12	18.57	18.72	18.65	
5	QPSK	1	24	18.59	18.69	18.56	
5	QPSK	12	0	18.62	18.62	18.58	19.9
5	QPSK	12	7	18.62	18.60	18.55	
5	QPSK	12	13	18.55	18.63	18.54	
5	QPSK	25	0	18.56	18.64	18.59	19.9
5	16QAM	1	0	18.86	18.87	18.81	
5	16QAM	1	12	18.64	18.66	18.61	
5	16QAM	1	24	18.57	18.62	18.54	19.9
5	16QAM	12	0	18.46	18.62	18.54	
5	16QAM	12	7	18.44	18.52	18.47	
5	16QAM	12	13	18.49	18.55	18.45	19.9
5	16QAM	25	0	18.53	18.57	18.40	
5	64QAM	1	0	18.80	18.89	18.87	
5	64QAM	1	12	18.53	18.63	18.51	19.9
5	64QAM	1	24	18.57	18.63	18.57	
5	64QAM	12	0	18.54	18.57	18.51	
5	64QAM	12	7	18.68	18.66	18.55	19.9
5	64QAM	12	13	18.50	18.55	18.55	
5	64QAM	25	0	18.52	18.61	18.49	
5	256QAM	1	0	18.77	18.77	18.81	19.9
5	256QAM	1	12	18.75	18.74	18.67	
5	256QAM	1	24	18.69	18.74	18.69	
5	256QAM	12	0	18.69	18.70	18.66	19.9
5	256QAM	12	7	18.70	18.79	18.73	
5	256QAM	12	13	18.51	18.69	18.57	
5	256QAM	25	0	18.62	18.75	18.73	Tune-up limit (dBm)
Channel				131987	132322	132657	
Frequency (MHz)				1711.5	1745	1778.5	



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3	QPSK	1	0	18.89	18.79	18.78	19.9
3	QPSK	1	8	18.61	18.74	18.63	
3	QPSK	1	14	18.60	18.68	18.63	
3	QPSK	8	0	18.63	18.62	18.59	19.9
3	QPSK	8	4	18.57	18.67	18.51	
3	QPSK	8	7	18.52	18.66	18.55	
3	QPSK	15	0	18.61	18.59	18.62	19.9
3	16QAM	1	0	18.77	18.89	18.83	
3	16QAM	1	8	18.66	18.64	18.58	
3	16QAM	1	14	18.58	18.64	18.57	19.9
3	16QAM	8	0	18.48	18.62	18.48	
3	16QAM	8	4	18.50	18.54	18.44	
3	16QAM	8	7	18.51	18.57	18.49	19.9
3	16QAM	15	0	18.56	18.54	18.45	
3	64QAM	1	0	18.85	18.87	18.81	
3	64QAM	1	8	18.58	18.55	18.56	19.9
3	64QAM	1	14	18.55	18.66	18.60	
3	64QAM	8	0	18.54	18.55	18.52	
3	64QAM	8	4	18.65	18.62	18.51	19.9
3	64QAM	8	7	18.52	18.53	18.50	
3	64QAM	15	0	18.52	18.53	18.50	
3	256QAM	1	0	18.70	18.78	18.74	19.9
3	256QAM	1	8	18.69	18.77	18.67	
3	256QAM	1	14	18.78	18.77	18.70	
3	256QAM	8	0	18.65	18.72	18.59	19.9
3	256QAM	8	4	18.64	18.82	18.67	
3	256QAM	8	7	18.60	18.68	18.55	
3	256QAM	15	0	18.65	18.66	18.71	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	18.81	18.75	18.78	19.9
1.4	QPSK	1	3	18.59	18.66	18.65	
1.4	QPSK	1	5	18.58	18.62	18.65	
1.4	QPSK	3	0	18.63	18.69	18.58	19.9
1.4	QPSK	3	1	18.64	18.63	18.61	
1.4	QPSK	3	3	18.53	18.65	18.60	
1.4	QPSK	6	0	18.60	18.62	18.64	19.9
1.4	16QAM	1	0	18.81	18.82	18.90	
1.4	16QAM	1	3	18.67	18.65	18.57	
1.4	16QAM	1	5	18.48	18.66	18.63	19.9
1.4	16QAM	3	0	18.45	18.57	18.46	
1.4	16QAM	3	1	18.44	18.53	18.46	
1.4	16QAM	3	3	18.51	18.49	18.46	19.9
1.4	16QAM	6	0	18.51	18.48	18.41	
1.4	64QAM	1	0	18.85	18.89	18.80	
1.4	64QAM	1	3	18.54	18.55	18.48	19.9
1.4	64QAM	1	5	18.61	18.62	18.59	
1.4	64QAM	3	0	18.59	18.57	18.53	
1.4	64QAM	3	1	18.60	18.59	18.50	19.9
1.4	64QAM	3	3	18.45	18.58	18.60	
1.4	64QAM	6	0	18.45	18.52	18.52	
1.4	256QAM	1	0	18.76	18.82	18.84	19.9
1.4	256QAM	1	3	18.76	18.73	18.64	
1.4	256QAM	1	5	18.74	18.77	18.66	
1.4	256QAM	3	0	18.66	18.69	18.66	19.9
1.4	256QAM	3	1	18.64	18.74	18.75	
1.4	256QAM	3	3	18.61	18.64	18.63	
1.4	256QAM	6	0	18.60	18.69	18.75	19.9



<LTE Band 66_Ant 5_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				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	18.90	18.79	18.84	
20	QPSK	1	49	18.64	18.74	18.67	19.2
20	QPSK	1	99	18.61	18.69	18.65	
20	QPSK	50	0	18.83	18.72	18.73	
20	QPSK	50	24	18.65	18.70	18.61	19.2
20	QPSK	50	50	18.62	18.67	18.60	
20	QPSK	100	0	18.64	18.66	18.65	
20	16QAM	1	0	18.87	18.91	18.90	19.2
20	16QAM	1	49	18.67	18.70	18.67	
20	16QAM	1	99	18.58	18.68	18.64	
20	16QAM	50	0	18.53	18.63	18.56	19.2
20	16QAM	50	24	18.51	18.61	18.52	
20	16QAM	50	50	18.55	18.58	18.50	
20	16QAM	100	0	18.56	18.57	18.48	19.2
20	64QAM	1	0	18.90	18.90	18.88	
20	64QAM	1	49	18.60	18.64	18.57	
20	64QAM	1	99	18.61	18.69	18.62	19.2
20	64QAM	50	0	18.59	18.65	18.59	
20	64QAM	50	24	18.68	18.68	18.59	
20	64QAM	50	50	18.52	18.61	18.60	19.2
20	64QAM	100	0	18.54	18.62	18.58	
20	256QAM	1	0	18.77	18.87	18.84	
20	256QAM	1	49	18.77	18.77	18.74	19.2
20	256QAM	1	99	18.79	18.84	18.75	
20	256QAM	50	0	18.71	18.74	18.66	
20	256QAM	50	24	18.74	18.83	18.75	19.2
20	256QAM	50	50	18.61	18.69	18.63	
20	256QAM	100	0	18.68	18.76	18.75	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	18.80	18.74	18.84	
15	QPSK	1	37	18.56	18.69	18.58	19.2
15	QPSK	1	74	18.58	18.63	18.63	
15	QPSK	36	0	18.59	18.71	18.65	
15	QPSK	36	20	18.60	18.63	18.61	19.2
15	QPSK	36	39	18.52	18.59	18.51	
15	QPSK	75	0	18.54	18.56	18.64	
15	16QAM	1	0	18.79	18.82	18.90	19.2
15	16QAM	1	37	18.59	18.69	18.63	
15	16QAM	1	74	18.50	18.68	18.63	
15	16QAM	36	0	18.45	18.55	18.48	19.2
15	16QAM	36	20	18.43	18.61	18.46	
15	16QAM	36	39	18.46	18.53	18.50	
15	16QAM	75	0	18.55	18.53	18.44	19.2
15	64QAM	1	0	18.87	18.90	18.87	
15	64QAM	1	37	18.58	18.57	18.49	
15	64QAM	1	74	18.56	18.64	18.57	19.2
15	64QAM	36	0	18.59	18.60	18.54	
15	64QAM	36	20	18.65	18.59	18.56	
15	64QAM	36	39	18.50	18.57	18.59	19.2
15	64QAM	75	0	18.52	18.62	18.48	
15	256QAM	1	0	18.69	18.77	18.80	
15	256QAM	1	37	18.75	18.67	18.64	19.2
15	256QAM	1	74	18.70	18.77	18.75	
15	256QAM	36	0	18.68	18.74	18.57	
15	256QAM	36	20	18.74	18.77	18.73	19.2
15	256QAM	36	39	18.52	18.62	18.62	



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15	256QAM	75	0	18.64	18.66	18.67	Tune-up limit (dBm)
Channel				132022	132322	132622	
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	18.83	18.69	18.77	19.2
10	QPSK	1	25	18.54	18.67	18.67	
10	QPSK	1	49	18.51	18.68	18.65	
10	QPSK	25	0	18.65	18.63	18.61	19.2
10	QPSK	25	12	18.61	18.68	18.61	
10	QPSK	25	25	18.52	18.57	18.55	
10	QPSK	50	0	18.60	18.56	18.55	19.2
10	16QAM	1	0	18.87	18.84	18.90	
10	16QAM	1	25	18.62	18.60	18.59	
10	16QAM	1	49	18.52	18.60	18.61	19.2
10	16QAM	25	0	18.51	18.59	18.55	
10	16QAM	25	12	18.46	18.60	18.45	
10	16QAM	25	25	18.54	18.54	18.47	19.2
10	16QAM	50	0	18.46	18.55	18.46	
10	64QAM	1	0	18.80	18.90	18.80	
10	64QAM	1	25	18.50	18.54	18.57	19.2
10	64QAM	1	49	18.56	18.62	18.53	
10	64QAM	25	0	18.55	18.55	18.50	
10	64QAM	25	12	18.67	18.62	18.49	19.2
10	64QAM	25	25	18.46	18.59	18.59	
10	64QAM	50	0	18.54	18.57	18.57	
10	256QAM	1	0	18.76	18.77	18.84	19.2
10	256QAM	1	25	18.76	18.70	18.70	
10	256QAM	1	49	18.76	18.83	18.69	
10	256QAM	25	0	18.62	18.71	18.59	19.2
10	256QAM	25	12	18.66	18.73	18.73	
10	256QAM	25	25	18.51	18.67	18.62	
10	256QAM	50	0	18.60	18.71	18.66	Tune-up limit (dBm)
Channel				131997	132322	132647	
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	18.89	18.76	18.83	19.2
5	QPSK	1	12	18.57	18.72	18.65	
5	QPSK	1	24	18.59	18.69	18.56	
5	QPSK	12	0	18.62	18.62	18.58	19.2
5	QPSK	12	7	18.62	18.60	18.55	
5	QPSK	12	13	18.55	18.63	18.54	
5	QPSK	25	0	18.56	18.64	18.59	19.2
5	16QAM	1	0	18.86	18.87	18.81	
5	16QAM	1	12	18.64	18.66	18.61	
5	16QAM	1	24	18.57	18.62	18.54	19.2
5	16QAM	12	0	18.46	18.62	18.54	
5	16QAM	12	7	18.44	18.52	18.47	
5	16QAM	12	13	18.49	18.55	18.45	19.2
5	16QAM	25	0	18.53	18.57	18.40	
5	64QAM	1	0	18.80	18.89	18.87	
5	64QAM	1	12	18.53	18.63	18.51	19.2
5	64QAM	1	24	18.57	18.63	18.57	
5	64QAM	12	0	18.54	18.57	18.51	
5	64QAM	12	7	18.68	18.66	18.55	19.2
5	64QAM	12	13	18.50	18.55	18.55	
5	64QAM	25	0	18.52	18.61	18.49	
5	256QAM	1	0	18.77	18.77	18.81	19.2
5	256QAM	1	12	18.75	18.74	18.67	
5	256QAM	1	24	18.69	18.74	18.69	
5	256QAM	12	0	18.69	18.70	18.66	19.2
5	256QAM	12	7	18.70	18.79	18.73	
5	256QAM	12	13	18.51	18.69	18.57	
5	256QAM	25	0	18.62	18.75	18.73	Tune-up limit (dBm)
Channel				131987	132322	132657	
Frequency (MHz)				1711.5	1745	1778.5	



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3	QPSK	1	0	18.89	18.79	18.78	19.2
3	QPSK	1	8	18.61	18.74	18.63	
3	QPSK	1	14	18.60	18.68	18.63	
3	QPSK	8	0	18.63	18.62	18.59	19.2
3	QPSK	8	4	18.57	18.67	18.51	
3	QPSK	8	7	18.52	18.66	18.55	
3	QPSK	15	0	18.61	18.59	18.62	19.2
3	16QAM	1	0	18.77	18.89	18.83	
3	16QAM	1	8	18.66	18.64	18.58	
3	16QAM	1	14	18.58	18.64	18.57	19.2
3	16QAM	8	0	18.48	18.62	18.48	
3	16QAM	8	4	18.50	18.54	18.44	
3	16QAM	8	7	18.51	18.57	18.49	19.2
3	16QAM	15	0	18.56	18.54	18.45	
3	64QAM	1	0	18.85	18.87	18.81	
3	64QAM	1	8	18.58	18.55	18.56	19.2
3	64QAM	1	14	18.55	18.66	18.60	
3	64QAM	8	0	18.54	18.55	18.52	
3	64QAM	8	4	18.65	18.62	18.51	19.2
3	64QAM	8	7	18.52	18.53	18.50	
3	64QAM	15	0	18.52	18.53	18.50	
3	256QAM	1	0	18.70	18.78	18.74	19.2
3	256QAM	1	8	18.69	18.77	18.67	
3	256QAM	1	14	18.78	18.77	18.70	
3	256QAM	8	0	18.65	18.72	18.59	19.2
3	256QAM	8	4	18.64	18.82	18.67	
3	256QAM	8	7	18.60	18.68	18.55	
3	256QAM	15	0	18.65	18.66	18.71	Tune-up limit (dBm)
Channel				131979	132322	132665	
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	18.81	18.75	18.78	19.2
1.4	QPSK	1	3	18.59	18.66	18.65	
1.4	QPSK	1	5	18.58	18.62	18.65	
1.4	QPSK	3	0	18.63	18.69	18.58	19.2
1.4	QPSK	3	1	18.64	18.63	18.61	
1.4	QPSK	3	3	18.53	18.65	18.60	
1.4	QPSK	6	0	18.60	18.62	18.64	19.2
1.4	16QAM	1	0	18.81	18.82	18.90	
1.4	16QAM	1	3	18.67	18.65	18.57	
1.4	16QAM	1	5	18.48	18.66	18.63	19.2
1.4	16QAM	3	0	18.45	18.57	18.46	
1.4	16QAM	3	1	18.44	18.53	18.46	
1.4	16QAM	3	3	18.51	18.49	18.46	19.2
1.4	16QAM	6	0	18.51	18.48	18.41	
1.4	64QAM	1	0	18.85	18.89	18.80	
1.4	64QAM	1	3	18.54	18.55	18.48	19.2
1.4	64QAM	1	5	18.61	18.62	18.59	
1.4	64QAM	3	0	18.59	18.57	18.53	
1.4	64QAM	3	1	18.60	18.59	18.50	19.2
1.4	64QAM	3	3	18.45	18.58	18.60	
1.4	64QAM	6	0	18.45	18.52	18.52	
1.4	256QAM	1	0	18.76	18.82	18.84	19.2
1.4	256QAM	1	3	18.76	18.73	18.64	
1.4	256QAM	1	5	18.74	18.77	18.66	
1.4	256QAM	3	0	18.66	18.69	18.66	19.2
1.4	256QAM	3	1	18.64	18.74	18.75	
1.4	256QAM	3	3	18.61	18.64	18.63	
1.4	256QAM	6	0	18.60	18.69	18.75	19.2



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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				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	20.40	20.29	20.34	20.5
20	QPSK	1	49	20.14	20.24	20.17	
20	QPSK	1	99	20.11	20.19	20.15	
20	QPSK	50	0	20.33	20.22	20.23	20.5
20	QPSK	50	24	20.15	20.20	20.11	
20	QPSK	50	50	20.12	20.17	20.10	
20	QPSK	100	0	20.14	20.16	20.15	
20	16QAM	1	0	20.37	20.41	20.40	20.5
20	16QAM	1	49	20.17	20.20	20.17	
20	16QAM	1	99	20.08	20.18	20.14	
20	16QAM	50	0	20.03	20.13	20.06	20.5
20	16QAM	50	24	20.01	20.11	20.02	
20	16QAM	50	50	20.05	20.08	20.00	
20	16QAM	100	0	20.06	20.07	19.98	
20	64QAM	1	0	20.40	20.40	20.38	20.5
20	64QAM	1	49	20.10	20.14	20.07	
20	64QAM	1	99	20.11	20.19	20.12	
20	64QAM	50	0	20.09	20.15	20.09	20.5
20	64QAM	50	24	20.18	20.18	20.09	
20	64QAM	50	50	20.02	20.11	20.10	
20	64QAM	100	0	20.04	20.12	20.08	
20	256QAM	1	0	18.77	18.87	18.84	20.3
20	256QAM	1	49	18.77	18.77	18.74	
20	256QAM	1	99	18.79	18.84	18.75	
20	256QAM	50	0	18.71	18.74	18.66	20.3
20	256QAM	50	24	18.74	18.83	18.75	
20	256QAM	50	50	18.61	18.69	18.63	
20	256QAM	100	0	18.68	18.76	18.75	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	20.30	20.24	20.34	20.5
15	QPSK	1	37	20.06	20.19	20.08	
15	QPSK	1	74	20.08	20.13	20.13	
15	QPSK	36	0	20.09	20.21	20.15	20.5
15	QPSK	36	20	20.10	20.13	20.11	
15	QPSK	36	39	20.02	20.09	20.01	
15	QPSK	75	0	20.04	20.06	20.14	
15	16QAM	1	0	20.29	20.32	20.40	20.5
15	16QAM	1	37	20.09	20.19	20.13	
15	16QAM	1	74	20.00	20.18	20.13	
15	16QAM	36	0	19.95	20.05	19.98	20.5
15	16QAM	36	20	19.93	20.11	19.96	
15	16QAM	36	39	19.96	20.03	20.00	
15	16QAM	75	0	20.05	20.03	19.94	
15	64QAM	1	0	20.37	20.40	20.37	20.5
15	64QAM	1	37	20.08	20.07	19.99	
15	64QAM	1	74	20.06	20.14	20.07	
15	64QAM	36	0	20.09	20.10	20.04	20.5
15	64QAM	36	20	20.15	20.09	20.06	
15	64QAM	36	39	20.00	20.07	20.09	
15	64QAM	75	0	20.02	20.12	19.98	
15	256QAM	1	0	18.69	18.77	18.80	20.3
15	256QAM	1	37	18.75	18.67	18.64	
15	256QAM	1	74	18.70	18.77	18.75	
15	256QAM	36	0	18.68	18.74	18.57	20.3
15	256QAM	36	20	18.74	18.77	18.73	
15	256QAM	36	39	18.52	18.62	18.62	



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15	256QAM	75	0	18.64	18.66	18.67	Tune-up limit (dBm)
Channel				132022	132322	132622	
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	20.33	20.19	20.27	20.5
10	QPSK	1	25	20.04	20.17	20.17	
10	QPSK	1	49	20.01	20.18	20.15	
10	QPSK	25	0	20.15	20.13	20.11	20.5
10	QPSK	25	12	20.11	20.18	20.11	
10	QPSK	25	25	20.02	20.07	20.05	
10	QPSK	50	0	20.10	20.06	20.05	
10	16QAM	1	0	20.37	20.34	20.40	20.5
10	16QAM	1	25	20.12	20.10	20.09	
10	16QAM	1	49	20.02	20.10	20.11	
10	16QAM	25	0	20.01	20.09	20.05	20.5
10	16QAM	25	12	19.96	20.10	19.95	
10	16QAM	25	25	20.04	20.04	19.97	
10	16QAM	50	0	19.96	20.05	19.96	
10	64QAM	1	0	20.30	20.40	20.30	20.5
10	64QAM	1	25	20.00	20.04	20.07	
10	64QAM	1	49	20.06	20.12	20.03	
10	64QAM	25	0	20.05	20.05	20.00	20.5
10	64QAM	25	12	20.17	20.12	19.99	
10	64QAM	25	25	19.96	20.09	20.09	
10	64QAM	50	0	20.04	20.07	20.07	
10	256QAM	1	0	18.76	18.77	18.84	20.3
10	256QAM	1	25	18.76	18.70	18.70	
10	256QAM	1	49	18.76	18.83	18.69	
10	256QAM	25	0	18.62	18.71	18.59	20.3
10	256QAM	25	12	18.66	18.73	18.73	
10	256QAM	25	25	18.51	18.67	18.62	
10	256QAM	50	0	18.60	18.71	18.66	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	20.39	20.26	20.33	20.5
5	QPSK	1	12	20.07	20.22	20.15	
5	QPSK	1	24	20.09	20.19	20.06	
5	QPSK	12	0	20.12	20.12	20.08	20.5
5	QPSK	12	7	20.12	20.10	20.05	
5	QPSK	12	13	20.05	20.13	20.04	
5	QPSK	25	0	20.06	20.14	20.09	
5	16QAM	1	0	20.36	20.37	20.31	20.5
5	16QAM	1	12	20.14	20.16	20.11	
5	16QAM	1	24	20.07	20.12	20.04	
5	16QAM	12	0	19.96	20.12	20.04	20.5
5	16QAM	12	7	19.94	20.02	19.97	
5	16QAM	12	13	19.99	20.05	19.95	
5	16QAM	25	0	20.03	20.07	19.90	
5	64QAM	1	0	20.30	20.39	20.37	20.5
5	64QAM	1	12	20.03	20.13	20.01	
5	64QAM	1	24	20.07	20.13	20.07	
5	64QAM	12	0	20.04	20.07	20.01	20.5
5	64QAM	12	7	20.18	20.16	20.05	
5	64QAM	12	13	20.00	20.05	20.05	
5	64QAM	25	0	20.02	20.11	19.99	
5	256QAM	1	0	18.77	18.77	18.81	20.3
5	256QAM	1	12	18.75	18.74	18.67	
5	256QAM	1	24	18.69	18.74	18.69	
5	256QAM	12	0	18.69	18.70	18.66	20.3
5	256QAM	12	7	18.70	18.79	18.73	
5	256QAM	12	13	18.51	18.69	18.57	
5	256QAM	25	0	18.62	18.75	18.73	
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	



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3	QPSK	1	0	20.39	20.29	20.28	20.5
3	QPSK	1	8	20.11	20.24	20.13	
3	QPSK	1	14	20.10	20.18	20.13	
3	QPSK	8	0	20.13	20.12	20.09	20.5
3	QPSK	8	4	20.07	20.17	20.01	
3	QPSK	8	7	20.02	20.16	20.05	
3	QPSK	15	0	20.11	20.09	20.12	
3	16QAM	1	0	20.27	20.39	20.33	20.5
3	16QAM	1	8	20.16	20.14	20.08	
3	16QAM	1	14	20.08	20.14	20.07	
3	16QAM	8	0	19.98	20.12	19.98	20.5
3	16QAM	8	4	20.00	20.04	19.94	
3	16QAM	8	7	20.01	20.07	19.99	
3	16QAM	15	0	20.06	20.04	19.95	
3	64QAM	1	0	20.35	20.37	20.31	20.5
3	64QAM	1	8	20.08	20.05	20.06	
3	64QAM	1	14	20.05	20.16	20.10	
3	64QAM	8	0	20.04	20.05	20.02	20.5
3	64QAM	8	4	20.15	20.12	20.01	
3	64QAM	8	7	20.02	20.03	20.00	
3	64QAM	15	0	20.02	20.03	20.00	
3	256QAM	1	0	18.70	18.78	18.74	20.3
3	256QAM	1	8	18.69	18.77	18.67	
3	256QAM	1	14	18.78	18.77	18.70	
3	256QAM	8	0	18.65	18.72	18.59	20.3
3	256QAM	8	4	18.64	18.82	18.67	
3	256QAM	8	7	18.60	18.68	18.55	
3	256QAM	15	0	18.65	18.66	18.71	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	20.31	20.25	20.28	20.5
1.4	QPSK	1	3	20.09	20.16	20.15	
1.4	QPSK	1	5	20.08	20.12	20.15	
1.4	QPSK	3	0	20.13	20.19	20.08	
1.4	QPSK	3	1	20.14	20.13	20.11	
1.4	QPSK	3	3	20.03	20.15	20.10	
1.4	QPSK	6	0	20.10	20.12	20.14	20.5
1.4	16QAM	1	0	20.31	20.32	20.40	20.5
1.4	16QAM	1	3	20.17	20.15	20.07	
1.4	16QAM	1	5	19.98	20.16	20.13	
1.4	16QAM	3	0	19.95	20.07	19.96	
1.4	16QAM	3	1	19.94	20.03	19.96	
1.4	16QAM	3	3	20.01	19.99	19.96	
1.4	16QAM	6	0	20.01	19.98	19.91	20.5
1.4	64QAM	1	0	20.35	20.39	20.30	20.5
1.4	64QAM	1	3	20.04	20.05	19.98	
1.4	64QAM	1	5	20.11	20.12	20.09	
1.4	64QAM	3	0	20.09	20.07	20.03	
1.4	64QAM	3	1	20.10	20.09	20.00	
1.4	64QAM	3	3	19.95	20.08	20.10	
1.4	64QAM	6	0	19.95	20.02	20.02	20.5
1.4	256QAM	1	0	18.76	18.82	18.84	20.3
1.4	256QAM	1	3	18.76	18.73	18.64	
1.4	256QAM	1	5	18.74	18.77	18.66	
1.4	256QAM	3	0	18.66	18.69	18.66	
1.4	256QAM	3	1	18.64	18.74	18.75	
1.4	256QAM	3	3	18.61	18.64	18.63	
1.4	256QAM	6	0	18.60	18.69	18.75	20.3



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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				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	20.40	20.29	20.34	21.2
20	QPSK	1	49	20.14	20.24	20.17	
20	QPSK	1	99	20.11	20.19	20.15	
20	QPSK	50	0	20.33	20.22	20.23	21.2
20	QPSK	50	24	20.15	20.20	20.11	
20	QPSK	50	50	20.12	20.17	20.10	
20	QPSK	100	0	20.14	20.16	20.15	21.2
20	16QAM	1	0	20.37	20.41	20.40	
20	16QAM	1	49	20.17	20.20	20.17	
20	16QAM	1	99	20.08	20.18	20.14	21.2
20	16QAM	50	0	20.03	20.13	20.06	
20	16QAM	50	24	20.01	20.11	20.02	
20	16QAM	50	50	20.05	20.08	20.00	21.2
20	16QAM	100	0	20.06	20.07	19.98	
20	64QAM	1	0	20.40	20.40	20.38	
20	64QAM	1	49	20.10	20.14	20.07	21.2
20	64QAM	1	99	20.11	20.19	20.12	
20	64QAM	50	0	20.09	20.15	20.09	
20	64QAM	50	24	20.18	20.18	20.09	21.2
20	64QAM	50	50	20.02	20.11	20.10	
20	64QAM	100	0	20.04	20.12	20.08	
20	256QAM	1	0	18.77	18.87	18.84	20.3
20	256QAM	1	49	18.77	18.77	18.74	
20	256QAM	1	99	18.79	18.84	18.75	
20	256QAM	50	0	18.71	18.74	18.66	20.3
20	256QAM	50	24	18.74	18.83	18.75	
20	256QAM	50	50	18.61	18.69	18.63	
20	256QAM	100	0	18.68	18.76	18.75	Tune-up limit (dBm)
Channel				132047	132322	132597	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	20.30	20.24	20.34	21.2
15	QPSK	1	37	20.06	20.19	20.08	
15	QPSK	1	74	20.08	20.13	20.13	
15	QPSK	36	0	20.09	20.21	20.15	21.2
15	QPSK	36	20	20.10	20.13	20.11	
15	QPSK	36	39	20.02	20.09	20.01	
15	QPSK	75	0	20.04	20.06	20.14	21.2
15	16QAM	1	0	20.29	20.32	20.40	
15	16QAM	1	37	20.09	20.19	20.13	
15	16QAM	1	74	20.00	20.18	20.13	21.2
15	16QAM	36	0	19.95	20.05	19.98	
15	16QAM	36	20	19.93	20.11	19.96	
15	16QAM	36	39	19.96	20.03	20.00	21.2
15	16QAM	75	0	20.05	20.03	19.94	
15	64QAM	1	0	20.37	20.40	20.37	
15	64QAM	1	37	20.08	20.07	19.99	21.2
15	64QAM	1	74	20.06	20.14	20.07	
15	64QAM	36	0	20.09	20.10	20.04	
15	64QAM	36	20	20.15	20.09	20.06	21.2
15	64QAM	36	39	20.00	20.07	20.09	
15	64QAM	75	0	20.02	20.12	19.98	
15	256QAM	1	0	18.69	18.77	18.80	20.3
15	256QAM	1	37	18.75	18.67	18.64	
15	256QAM	1	74	18.70	18.77	18.75	
15	256QAM	36	0	18.68	18.74	18.57	20.3
15	256QAM	36	20	18.74	18.77	18.73	
15	256QAM	36	39	18.52	18.62	18.62	



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15	256QAM	75	0	18.64	18.66	18.67	Tune-up limit (dBm)
Channel				132022	132322	132622	
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	20.33	20.19	20.27	21.2
10	QPSK	1	25	20.04	20.17	20.17	
10	QPSK	1	49	20.01	20.18	20.15	
10	QPSK	25	0	20.15	20.13	20.11	21.2
10	QPSK	25	12	20.11	20.18	20.11	
10	QPSK	25	25	20.02	20.07	20.05	
10	QPSK	50	0	20.10	20.06	20.05	
10	16QAM	1	0	20.37	20.34	20.40	21.2
10	16QAM	1	25	20.12	20.10	20.09	
10	16QAM	1	49	20.02	20.10	20.11	
10	16QAM	25	0	20.01	20.09	20.05	21.2
10	16QAM	25	12	19.96	20.10	19.95	
10	16QAM	25	25	20.04	20.04	19.97	
10	16QAM	50	0	19.96	20.05	19.96	
10	64QAM	1	0	20.30	20.40	20.30	21.2
10	64QAM	1	25	20.00	20.04	20.07	
10	64QAM	1	49	20.06	20.12	20.03	
10	64QAM	25	0	20.05	20.05	20.00	21.2
10	64QAM	25	12	20.17	20.12	19.99	
10	64QAM	25	25	19.96	20.09	20.09	
10	64QAM	50	0	20.04	20.07	20.07	
10	256QAM	1	0	18.76	18.77	18.84	20.3
10	256QAM	1	25	18.76	18.70	18.70	
10	256QAM	1	49	18.76	18.83	18.69	
10	256QAM	25	0	18.62	18.71	18.59	20.3
10	256QAM	25	12	18.66	18.73	18.73	
10	256QAM	25	25	18.51	18.67	18.62	
10	256QAM	50	0	18.60	18.71	18.66	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	20.39	20.26	20.33	21.2
5	QPSK	1	12	20.07	20.22	20.15	
5	QPSK	1	24	20.09	20.19	20.06	
5	QPSK	12	0	20.12	20.12	20.08	21.2
5	QPSK	12	7	20.12	20.10	20.05	
5	QPSK	12	13	20.05	20.13	20.04	
5	QPSK	25	0	20.06	20.14	20.09	
5	16QAM	1	0	20.36	20.37	20.31	21.2
5	16QAM	1	12	20.14	20.16	20.11	
5	16QAM	1	24	20.07	20.12	20.04	
5	16QAM	12	0	19.96	20.12	20.04	21.2
5	16QAM	12	7	19.94	20.02	19.97	
5	16QAM	12	13	19.99	20.05	19.95	
5	16QAM	25	0	20.03	20.07	19.90	
5	64QAM	1	0	20.30	20.39	20.37	21.2
5	64QAM	1	12	20.03	20.13	20.01	
5	64QAM	1	24	20.07	20.13	20.07	
5	64QAM	12	0	20.04	20.07	20.01	21.2
5	64QAM	12	7	20.18	20.16	20.05	
5	64QAM	12	13	20.00	20.05	20.05	
5	64QAM	25	0	20.02	20.11	19.99	
5	256QAM	1	0	18.77	18.77	18.81	20.3
5	256QAM	1	12	18.75	18.74	18.67	
5	256QAM	1	24	18.69	18.74	18.69	
5	256QAM	12	0	18.69	18.70	18.66	20.3
5	256QAM	12	7	18.70	18.79	18.73	
5	256QAM	12	13	18.51	18.69	18.57	
5	256QAM	25	0	18.62	18.75	18.73	
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	



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3	QPSK	1	0	20.39	20.29	20.28	21.2
3	QPSK	1	8	20.11	20.24	20.13	
3	QPSK	1	14	20.10	20.18	20.13	
3	QPSK	8	0	20.13	20.12	20.09	21.2
3	QPSK	8	4	20.07	20.17	20.01	
3	QPSK	8	7	20.02	20.16	20.05	
3	QPSK	15	0	20.11	20.09	20.12	
3	16QAM	1	0	20.27	20.39	20.33	21.2
3	16QAM	1	8	20.16	20.14	20.08	
3	16QAM	1	14	20.08	20.14	20.07	
3	16QAM	8	0	19.98	20.12	19.98	21.2
3	16QAM	8	4	20.00	20.04	19.94	
3	16QAM	8	7	20.01	20.07	19.99	
3	16QAM	15	0	20.06	20.04	19.95	
3	64QAM	1	0	20.35	20.37	20.31	21.2
3	64QAM	1	8	20.08	20.05	20.06	
3	64QAM	1	14	20.05	20.16	20.10	
3	64QAM	8	0	20.04	20.05	20.02	21.2
3	64QAM	8	4	20.15	20.12	20.01	
3	64QAM	8	7	20.02	20.03	20.00	
3	64QAM	15	0	20.02	20.03	20.00	
3	256QAM	1	0	18.70	18.78	18.74	20.3
3	256QAM	1	8	18.69	18.77	18.67	
3	256QAM	1	14	18.78	18.77	18.70	
3	256QAM	8	0	18.65	18.72	18.59	20.3
3	256QAM	8	4	18.64	18.82	18.67	
3	256QAM	8	7	18.60	18.68	18.55	
3	256QAM	15	0	18.65	18.66	18.71	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	20.31	20.25	20.28	21.2
1.4	QPSK	1	3	20.09	20.16	20.15	
1.4	QPSK	1	5	20.08	20.12	20.15	
1.4	QPSK	3	0	20.13	20.19	20.08	
1.4	QPSK	3	1	20.14	20.13	20.11	
1.4	QPSK	3	3	20.03	20.15	20.10	
1.4	QPSK	6	0	20.10	20.12	20.14	21.2
1.4	16QAM	1	0	20.31	20.32	20.40	21.2
1.4	16QAM	1	3	20.17	20.15	20.07	
1.4	16QAM	1	5	19.98	20.16	20.13	
1.4	16QAM	3	0	19.95	20.07	19.96	
1.4	16QAM	3	1	19.94	20.03	19.96	
1.4	16QAM	3	3	20.01	19.99	19.96	
1.4	16QAM	6	0	20.01	19.98	19.91	21.2
1.4	64QAM	1	0	20.35	20.39	20.30	21.2
1.4	64QAM	1	3	20.04	20.05	19.98	
1.4	64QAM	1	5	20.11	20.12	20.09	
1.4	64QAM	3	0	20.09	20.07	20.03	
1.4	64QAM	3	1	20.10	20.09	20.00	
1.4	64QAM	3	3	19.95	20.08	20.10	
1.4	64QAM	6	0	19.95	20.02	20.02	21.2
1.4	256QAM	1	0	18.76	18.82	18.84	20.3
1.4	256QAM	1	3	18.76	18.73	18.64	
1.4	256QAM	1	5	18.74	18.77	18.66	
1.4	256QAM	3	0	18.66	18.69	18.66	
1.4	256QAM	3	1	18.64	18.74	18.75	
1.4	256QAM	3	3	18.61	18.64	18.63	
1.4	256QAM	6	0	18.60	18.69	18.75	20.3



<LTE Band 66_Ant 5_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				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	20.40	20.29	20.34	20.5
20	QPSK	1	49	20.14	20.24	20.17	
20	QPSK	1	99	20.11	20.19	20.15	
20	QPSK	50	0	20.33	20.22	20.23	20.5
20	QPSK	50	24	20.15	20.20	20.11	
20	QPSK	50	50	20.12	20.17	20.10	
20	QPSK	100	0	20.14	20.16	20.15	20.5
20	16QAM	1	0	20.37	20.41	20.40	
20	16QAM	1	49	20.17	20.20	20.17	
20	16QAM	1	99	20.08	20.18	20.14	20.5
20	16QAM	50	0	20.03	20.13	20.06	
20	16QAM	50	24	20.01	20.11	20.02	
20	16QAM	50	50	20.05	20.08	20.00	20.5
20	16QAM	100	0	20.06	20.07	19.98	
20	64QAM	1	0	20.40	20.40	20.38	
20	64QAM	1	49	20.10	20.14	20.07	20.5
20	64QAM	1	99	20.11	20.19	20.12	
20	64QAM	50	0	20.09	20.15	20.09	
20	64QAM	50	24	20.18	20.18	20.09	20.5
20	64QAM	50	50	20.02	20.11	20.10	
20	64QAM	100	0	20.04	20.12	20.08	
20	256QAM	1	0	18.77	18.87	18.84	20.3
20	256QAM	1	49	18.77	18.77	18.74	
20	256QAM	1	99	18.79	18.84	18.75	
20	256QAM	50	0	18.71	18.74	18.66	20.3
20	256QAM	50	24	18.74	18.83	18.75	
20	256QAM	50	50	18.61	18.69	18.63	
20	256QAM	100	0	18.68	18.76	18.75	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	20.30	20.24	20.34	20.5
15	QPSK	1	37	20.06	20.19	20.08	
15	QPSK	1	74	20.08	20.13	20.13	
15	QPSK	36	0	20.09	20.21	20.15	20.5
15	QPSK	36	20	20.10	20.13	20.11	
15	QPSK	36	39	20.02	20.09	20.01	
15	QPSK	75	0	20.04	20.06	20.14	20.5
15	16QAM	1	0	20.29	20.32	20.40	
15	16QAM	1	37	20.09	20.19	20.13	
15	16QAM	1	74	20.00	20.18	20.13	20.5
15	16QAM	36	0	19.95	20.05	19.98	
15	16QAM	36	20	19.93	20.11	19.96	
15	16QAM	36	39	19.96	20.03	20.00	20.5
15	16QAM	75	0	20.05	20.03	19.94	
15	64QAM	1	0	20.37	20.40	20.37	
15	64QAM	1	37	20.08	20.07	19.99	20.5
15	64QAM	1	74	20.06	20.14	20.07	
15	64QAM	36	0	20.09	20.10	20.04	
15	64QAM	36	20	20.15	20.09	20.06	20.5
15	64QAM	36	39	20.00	20.07	20.09	
15	64QAM	75	0	20.02	20.12	19.98	
15	256QAM	1	0	18.69	18.77	18.80	20.3
15	256QAM	1	37	18.75	18.67	18.64	
15	256QAM	1	74	18.70	18.77	18.75	
15	256QAM	36	0	18.68	18.74	18.57	20.3
15	256QAM	36	20	18.74	18.77	18.73	
15	256QAM	36	39	18.52	18.62	18.62	



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15	256QAM	75	0	18.64	18.66	18.67	Tune-up limit (dBm)
Channel				132022	132322	132622	
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	20.33	20.19	20.27	20.5
10	QPSK	1	25	20.04	20.17	20.17	
10	QPSK	1	49	20.01	20.18	20.15	
10	QPSK	25	0	20.15	20.13	20.11	20.5
10	QPSK	25	12	20.11	20.18	20.11	
10	QPSK	25	25	20.02	20.07	20.05	
10	QPSK	50	0	20.10	20.06	20.05	
10	16QAM	1	0	20.37	20.34	20.40	20.5
10	16QAM	1	25	20.12	20.10	20.09	
10	16QAM	1	49	20.02	20.10	20.11	
10	16QAM	25	0	20.01	20.09	20.05	20.5
10	16QAM	25	12	19.96	20.10	19.95	
10	16QAM	25	25	20.04	20.04	19.97	
10	16QAM	50	0	19.96	20.05	19.96	
10	64QAM	1	0	20.30	20.40	20.30	20.5
10	64QAM	1	25	20.00	20.04	20.07	
10	64QAM	1	49	20.06	20.12	20.03	
10	64QAM	25	0	20.05	20.05	20.00	20.5
10	64QAM	25	12	20.17	20.12	19.99	
10	64QAM	25	25	19.96	20.09	20.09	
10	64QAM	50	0	20.04	20.07	20.07	
10	256QAM	1	0	18.76	18.77	18.84	20.3
10	256QAM	1	25	18.76	18.70	18.70	
10	256QAM	1	49	18.76	18.83	18.69	
10	256QAM	25	0	18.62	18.71	18.59	20.3
10	256QAM	25	12	18.66	18.73	18.73	
10	256QAM	25	25	18.51	18.67	18.62	
10	256QAM	50	0	18.60	18.71	18.66	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	20.39	20.26	20.33	20.5
5	QPSK	1	12	20.07	20.22	20.15	
5	QPSK	1	24	20.09	20.19	20.06	
5	QPSK	12	0	20.12	20.12	20.08	20.5
5	QPSK	12	7	20.12	20.10	20.05	
5	QPSK	12	13	20.05	20.13	20.04	
5	QPSK	25	0	20.06	20.14	20.09	
5	16QAM	1	0	20.36	20.37	20.31	20.5
5	16QAM	1	12	20.14	20.16	20.11	
5	16QAM	1	24	20.07	20.12	20.04	
5	16QAM	12	0	19.96	20.12	20.04	20.5
5	16QAM	12	7	19.94	20.02	19.97	
5	16QAM	12	13	19.99	20.05	19.95	
5	16QAM	25	0	20.03	20.07	19.90	
5	64QAM	1	0	20.30	20.39	20.37	20.5
5	64QAM	1	12	20.03	20.13	20.01	
5	64QAM	1	24	20.07	20.13	20.07	
5	64QAM	12	0	20.04	20.07	20.01	20.5
5	64QAM	12	7	20.18	20.16	20.05	
5	64QAM	12	13	20.00	20.05	20.05	
5	64QAM	25	0	20.02	20.11	19.99	
5	256QAM	1	0	18.77	18.77	18.81	20.3
5	256QAM	1	12	18.75	18.74	18.67	
5	256QAM	1	24	18.69	18.74	18.69	
5	256QAM	12	0	18.69	18.70	18.66	20.3
5	256QAM	12	7	18.70	18.79	18.73	
5	256QAM	12	13	18.51	18.69	18.57	
5	256QAM	25	0	18.62	18.75	18.73	
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	



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3	QPSK	1	0	20.39	20.29	20.28	20.5
3	QPSK	1	8	20.11	20.24	20.13	
3	QPSK	1	14	20.10	20.18	20.13	
3	QPSK	8	0	20.13	20.12	20.09	20.5
3	QPSK	8	4	20.07	20.17	20.01	
3	QPSK	8	7	20.02	20.16	20.05	
3	QPSK	15	0	20.11	20.09	20.12	
3	16QAM	1	0	20.27	20.39	20.33	20.5
3	16QAM	1	8	20.16	20.14	20.08	
3	16QAM	1	14	20.08	20.14	20.07	
3	16QAM	8	0	19.98	20.12	19.98	20.5
3	16QAM	8	4	20.00	20.04	19.94	
3	16QAM	8	7	20.01	20.07	19.99	
3	16QAM	15	0	20.06	20.04	19.95	
3	64QAM	1	0	20.35	20.37	20.31	20.5
3	64QAM	1	8	20.08	20.05	20.06	
3	64QAM	1	14	20.05	20.16	20.10	
3	64QAM	8	0	20.04	20.05	20.02	20.5
3	64QAM	8	4	20.15	20.12	20.01	
3	64QAM	8	7	20.02	20.03	20.00	
3	64QAM	15	0	20.02	20.03	20.00	
3	256QAM	1	0	18.70	18.78	18.74	20.3
3	256QAM	1	8	18.69	18.77	18.67	
3	256QAM	1	14	18.78	18.77	18.70	
3	256QAM	8	0	18.65	18.72	18.59	20.3
3	256QAM	8	4	18.64	18.82	18.67	
3	256QAM	8	7	18.60	18.68	18.55	
3	256QAM	15	0	18.65	18.66	18.71	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	20.31	20.25	20.28	20.5
1.4	QPSK	1	3	20.09	20.16	20.15	
1.4	QPSK	1	5	20.08	20.12	20.15	
1.4	QPSK	3	0	20.13	20.19	20.08	
1.4	QPSK	3	1	20.14	20.13	20.11	
1.4	QPSK	3	3	20.03	20.15	20.10	20.5
1.4	QPSK	6	0	20.10	20.12	20.14	
1.4	16QAM	1	0	20.31	20.32	20.40	20.5
1.4	16QAM	1	3	20.17	20.15	20.07	
1.4	16QAM	1	5	19.98	20.16	20.13	
1.4	16QAM	3	0	19.95	20.07	19.96	
1.4	16QAM	3	1	19.94	20.03	19.96	
1.4	16QAM	3	3	20.01	19.99	19.96	20.5
1.4	16QAM	6	0	20.01	19.98	19.91	
1.4	64QAM	1	0	20.35	20.39	20.30	20.5
1.4	64QAM	1	3	20.04	20.05	19.98	
1.4	64QAM	1	5	20.11	20.12	20.09	
1.4	64QAM	3	0	20.09	20.07	20.03	
1.4	64QAM	3	1	20.10	20.09	20.00	
1.4	64QAM	3	3	19.95	20.08	20.10	20.5
1.4	64QAM	6	0	19.95	20.02	20.02	
1.4	256QAM	1	0	18.76	18.82	18.84	20.3
1.4	256QAM	1	3	18.76	18.73	18.64	
1.4	256QAM	1	5	18.74	18.77	18.66	
1.4	256QAM	3	0	18.66	18.69	18.66	
1.4	256QAM	3	1	18.64	18.74	18.75	
1.4	256QAM	3	3	18.61	18.64	18.63	20.3
1.4	256QAM	6	0	18.60	18.69	18.75	



<LTE Band 71_Ant 0_Index 2/3/4/5/6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				133222	133297	133372	
Frequency (MHz)				673	680.5	688	
20	QPSK	1	0	24.65	24.71	24.70	
20	QPSK	1	49	24.57	24.61	24.63	25.5
20	QPSK	1	99	24.50	24.52	24.54	
20	QPSK	50	0	23.79	23.82	23.81	
20	QPSK	50	24	23.74	23.75	23.77	24.5
20	QPSK	50	50	23.67	23.69	23.72	
20	QPSK	100	0	23.74	23.76	23.75	
20	16QAM	1	0	23.95	24.08	24.03	24.5
20	16QAM	1	49	24.00	23.95	23.97	
20	16QAM	1	99	23.97	24.03	23.90	
20	16QAM	50	0	22.83	22.79	22.78	23.5
20	16QAM	50	24	22.80	22.77	22.76	
20	16QAM	50	50	22.76	22.73	22.76	
20	16QAM	100	0	22.77	22.72	22.73	23.5
20	64QAM	1	0	22.90	22.97	22.98	
20	64QAM	1	49	22.93	22.88	22.92	
20	64QAM	1	99	22.82	22.88	22.81	22.5
20	64QAM	50	0	21.85	21.86	21.85	
20	64QAM	50	24	21.86	21.85	21.83	
20	64QAM	50	50	21.81	21.78	21.78	20.5
20	64QAM	100	0	21.77	21.76	21.76	
20	256QAM	1	0	20.19	20.13	20.14	
20	256QAM	1	49	19.91	20.02	19.95	20.5
20	256QAM	1	99	19.72	19.83	19.78	
20	256QAM	50	0	20.02	19.90	19.97	
20	256QAM	50	24	19.78	19.82	19.80	20.5
20	256QAM	50	50	19.77	19.70	19.70	
20	256QAM	100	0	19.77	19.79	19.77	
Channel				133197	133297	133397	
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	0	24.61	24.67	24.66	
15	QPSK	1	37	24.48	24.46	24.53	25.5
15	QPSK	1	74	24.54	24.49	24.54	
15	QPSK	36	0	23.79	23.68	23.75	
15	QPSK	36	20	23.77	23.74	23.74	24.5
15	QPSK	36	39	23.73	23.70	23.71	
15	QPSK	75	0	23.76	23.69	23.77	
15	16QAM	1	0	24.07	24.18	23.98	24.5
15	16QAM	1	37	24.03	24.04	24.01	
15	16QAM	1	74	24.03	24.09	23.90	
15	16QAM	36	0	22.80	22.76	22.70	23.5
15	16QAM	36	20	22.77	22.74	22.73	
15	16QAM	36	39	22.74	22.71	22.72	
15	16QAM	75	0	22.80	22.73	22.77	23.5
15	64QAM	1	0	22.90	22.96	22.87	
15	64QAM	1	37	22.96	22.88	22.86	
15	64QAM	1	74	22.88	22.92	22.76	22.5
15	64QAM	36	0	21.78	21.82	21.79	
15	64QAM	36	20	21.81	21.75	21.75	
15	64QAM	36	39	21.80	21.74	21.73	20.5
15	64QAM	75	0	21.79	21.76	21.75	
15	256QAM	1	0	20.29	20.16	20.33	
15	256QAM	1	37	19.96	19.92	19.90	20.5
15	256QAM	1	74	19.74	19.76	19.70	
15	256QAM	36	0	20.02	20.03	19.97	
15	256QAM	36	20	19.74	19.82	19.73	20.5
15	256QAM	36	39	19.64	19.72	19.75	



FCC SAR TEST REPORT

Report No. : FA2D0208-01F

15	256QAM	75	0	19.76	19.76	19.78	Tune-up limit (dBm)
Channel				133172	133297	133422	
Frequency (MHz)				668	680.5	693	
10	QPSK	1	0	24.61	24.63	24.65	25.5
10	QPSK	1	25	24.38	24.44	24.49	
10	QPSK	1	49	24.50	24.47	24.49	
10	QPSK	25	0	23.78	23.69	23.74	24.5
10	QPSK	25	12	23.76	23.75	23.72	
10	QPSK	25	25	23.68	23.71	23.70	
10	QPSK	50	0	23.76	23.69	23.75	
10	16QAM	1	0	24.01	24.11	23.91	24.5
10	16QAM	1	25	23.98	23.99	23.86	
10	16QAM	1	49	24.05	24.11	23.86	
10	16QAM	25	0	22.85	22.79	22.74	23.5
10	16QAM	25	12	22.82	22.75	22.75	
10	16QAM	25	25	22.81	22.72	22.78	
10	16QAM	50	0	22.81	22.74	22.74	
10	64QAM	1	0	22.90	23.01	22.92	23.5
10	64QAM	1	25	22.77	22.75	22.92	
10	64QAM	1	49	22.83	22.82	22.79	
10	64QAM	25	0	21.79	21.79	21.74	22.5
10	64QAM	25	12	21.78	21.76	21.75	
10	64QAM	25	25	21.79	21.75	21.72	
10	64QAM	50	0	21.82	21.80	21.80	
10	256QAM	1	0	20.28	20.18	20.28	20.5
10	256QAM	1	25	19.97	19.90	19.94	
10	256QAM	1	49	19.64	19.76	19.73	
10	256QAM	25	0	19.98	19.99	19.94	20.5
10	256QAM	25	12	19.68	19.76	19.67	
10	256QAM	25	25	19.65	19.75	19.59	
10	256QAM	50	0	19.80	19.80	19.82	
Channel				133147	133297	133447	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	QPSK	1	0	24.63	24.66	24.67	25.5
5	QPSK	1	12	24.57	24.61	24.58	
5	QPSK	1	24	24.60	24.63	24.59	
5	QPSK	12	0	23.73	23.71	23.75	24.5
5	QPSK	12	7	23.78	23.78	23.76	
5	QPSK	12	13	23.72	23.76	23.68	
5	QPSK	25	0	23.75	23.66	23.75	
5	16QAM	1	0	23.98	24.11	23.99	24.5
5	16QAM	1	12	24.01	24.09	23.88	
5	16QAM	1	24	24.04	24.11	23.87	
5	16QAM	12	0	22.80	22.75	22.72	23.5
5	16QAM	12	7	22.82	22.78	22.75	
5	16QAM	12	13	22.79	22.73	22.73	
5	16QAM	25	0	22.81	22.74	22.76	
5	64QAM	1	0	22.83	22.98	22.83	23.5
5	64QAM	1	12	22.86	22.89	22.84	
5	64QAM	1	24	22.88	22.85	22.74	
5	64QAM	12	0	21.72	21.78	21.79	22.5
5	64QAM	12	7	21.74	21.76	21.74	
5	64QAM	12	13	21.74	21.72	21.70	
5	64QAM	25	0	21.79	21.76	21.73	
5	256QAM	1	0	20.28	20.17	20.32	20.5
5	256QAM	1	12	19.84	19.96	19.86	
5	256QAM	1	24	19.79	19.80	19.61	
5	256QAM	12	0	19.92	19.98	19.86	20.5
5	256QAM	12	7	19.70	19.83	19.80	
5	256QAM	12	13	19.66	19.70	19.58	
5	256QAM	25	0	19.78	19.83	19.68	



<LTE Band 71_Ant 1_Index 4/5/6>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				133222	133297	133372	
Frequency (MHz)				673	680.5	688	
20	QPSK	1	0	24.42	24.51	24.48	
20	QPSK	1	49	24.35	24.39	24.44	25.1
20	QPSK	1	99	24.29	24.38	24.37	
20	QPSK	50	0	23.54	23.59	23.56	
20	QPSK	50	24	23.47	23.53	23.50	24.1
20	QPSK	50	50	23.44	23.42	23.49	
20	QPSK	100	0	23.50	23.49	23.51	
20	16QAM	1	0	23.63	23.82	23.70	24.1
20	16QAM	1	49	23.68	23.63	23.60	
20	16QAM	1	99	23.73	23.85	23.62	
20	16QAM	50	0	22.56	22.56	22.54	23.1
20	16QAM	50	24	22.53	22.54	22.55	
20	16QAM	50	50	22.49	22.52	22.53	
20	16QAM	100	0	22.50	22.52	22.53	23.1
20	64QAM	1	0	22.55	22.76	22.65	
20	64QAM	1	49	22.64	22.60	22.62	
20	64QAM	1	99	22.53	22.59	22.55	22.1
20	64QAM	50	0	21.59	21.61	21.61	
20	64QAM	50	24	21.57	21.59	21.64	
20	64QAM	50	50	21.50	21.57	21.60	20.1
20	64QAM	100	0	21.51	21.53	21.56	
20	256QAM	1	0	20.00	19.97	20.00	
20	256QAM	1	49	19.98	19.80	19.80	20.1
20	256QAM	1	99	19.87	19.74	19.91	
20	256QAM	50	0	19.88	19.75	19.94	
20	256QAM	50	24	19.82	19.70	19.89	20.1
20	256QAM	50	50	19.76	19.59	19.77	
20	256QAM	100	0	19.83	19.68	19.90	
Channel				133197	133297	133397	
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	0	24.32	24.29	24.25	
15	QPSK	1	37	24.22	24.20	24.33	25.1
15	QPSK	1	74	24.16	24.29	24.23	
15	QPSK	36	0	23.47	23.42	23.44	
15	QPSK	36	20	23.44	23.45	23.42	24.1
15	QPSK	36	39	23.42	23.43	23.43	
15	QPSK	75	0	23.43	23.36	23.48	
15	16QAM	1	0	23.56	23.70	23.61	24.1
15	16QAM	1	37	23.65	23.64	23.66	
15	16QAM	1	74	23.56	23.70	23.50	
15	16QAM	36	0	22.44	22.40	22.42	23.1
15	16QAM	36	20	22.45	22.41	22.39	
15	16QAM	36	39	22.40	22.39	22.42	
15	16QAM	75	0	22.43	22.43	22.44	23.1
15	64QAM	1	0	22.58	22.57	22.45	
15	64QAM	1	37	22.63	22.48	22.60	
15	64QAM	1	74	22.52	22.46	22.27	22.1
15	64QAM	36	0	21.48	21.44	21.43	
15	64QAM	36	20	21.48	21.44	21.45	
15	64QAM	36	39	21.49	21.42	21.40	20.1
15	64QAM	75	0	21.45	21.43	21.40	
15	256QAM	1	0	20.00	19.98	19.91	
15	256QAM	1	37	19.93	19.94	19.76	20.1
15	256QAM	1	74	19.81	19.89	19.91	
15	256QAM	36	0	19.78	19.83	19.93	
15	256QAM	36	20	19.82	19.65	19.83	20.1
15	256QAM	36	39	19.68	19.63	19.70	



FCC SAR TEST REPORT

Report No. : FA2D0208-01F

15	256QAM	75	0	19.81	19.88	19.85	Tune-up limit (dBm)
Channel				133172	133297	133422	
Frequency (MHz)				668	680.5	693	
10	QPSK	1	0	24.32	24.34	24.32	25.1
10	QPSK	1	25	24.14	24.22	24.18	
10	QPSK	1	49	24.21	24.30	24.26	
10	QPSK	25	0	23.48	23.43	23.41	24.1
10	QPSK	25	12	23.43	23.46	23.42	
10	QPSK	25	25	23.40	23.40	23.41	
10	QPSK	50	0	23.43	23.36	23.46	
10	16QAM	1	0	23.52	23.69	23.59	24.1
10	16QAM	1	25	23.70	23.64	23.58	
10	16QAM	1	49	23.57	23.70	23.44	
10	16QAM	25	0	22.49	22.48	22.43	23.1
10	16QAM	25	12	22.47	22.47	22.43	
10	16QAM	25	25	22.43	22.44	22.43	
10	16QAM	50	0	22.41	22.41	22.39	
10	64QAM	1	0	22.55	22.51	22.52	23.1
10	64QAM	1	25	22.50	22.39	22.52	
10	64QAM	1	49	22.53	22.45	22.34	
10	64QAM	25	0	21.47	21.43	21.40	22.1
10	64QAM	25	12	21.46	21.46	21.43	
10	64QAM	25	25	21.45	21.41	21.39	
10	64QAM	50	0	21.49	21.49	21.44	
10	256QAM	1	0	20.00	19.90	19.92	20.1
10	256QAM	1	25	19.98	19.87	19.79	
10	256QAM	1	49	19.86	19.90	19.88	
10	256QAM	25	0	19.87	19.84	19.87	20.1
10	256QAM	25	12	19.79	19.67	19.81	
10	256QAM	25	25	19.68	19.71	19.75	
10	256QAM	50	0	19.76	19.82	19.89	
Channel				133147	133297	133447	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	QPSK	1	0	24.23	24.23	24.23	25.1
5	QPSK	1	12	24.17	24.24	24.23	
5	QPSK	1	24	24.17	24.23	24.23	
5	QPSK	12	0	23.31	23.32	23.32	24.1
5	QPSK	12	7	23.32	23.37	23.34	
5	QPSK	12	13	23.34	23.36	23.34	
5	QPSK	25	0	23.37	23.26	23.39	
5	16QAM	1	0	23.39	23.62	23.56	24.1
5	16QAM	1	12	23.51	23.70	23.53	
5	16QAM	1	24	23.51	23.70	23.45	
5	16QAM	12	0	22.31	22.33	22.30	23.1
5	16QAM	12	7	22.32	22.33	22.31	
5	16QAM	12	13	22.30	22.33	22.30	
5	16QAM	25	0	22.35	22.39	22.36	
5	64QAM	1	0	22.52	22.42	22.42	23.1
5	64QAM	1	12	22.58	22.42	22.53	
5	64QAM	1	24	22.45	22.31	22.29	
5	64QAM	12	0	21.33	21.34	21.32	22.1
5	64QAM	12	7	21.32	21.39	21.33	
5	64QAM	12	13	21.36	21.32	21.28	
5	64QAM	25	0	21.37	21.39	21.36	
5	256QAM	1	0	19.97	19.96	19.97	20.1
5	256QAM	1	12	19.88	19.92	19.72	
5	256QAM	1	24	19.79	19.87	19.90	
5	256QAM	12	0	19.81	19.86	19.93	20.1
5	256QAM	12	7	19.80	19.70	19.85	
5	256QAM	12	13	19.72	19.63	19.71	
5	256QAM	25	0	19.76	19.90	19.85	



<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	22.65	22.64	22.65	
20	QPSK	1	49	22.53	22.55	22.53	24.2
20	QPSK	1	99	22.60	22.61	22.62	24.1
20	QPSK	50	0	22.65	22.69	22.71	
20	QPSK	50	24	22.61	22.68	22.71	
20	QPSK	50	50	22.65	22.67	22.69	
20	QPSK	100	0	22.68	22.66	22.68	24.1
20	16QAM	1	0	22.74	22.95	22.80	
20	16QAM	1	49	22.79	22.76	22.79	
20	16QAM	1	99	22.78	22.80	22.74	
20	16QAM	50	0	22.58	22.59	22.58	23.1
20	16QAM	50	24	22.56	22.56	22.56	
20	16QAM	50	50	22.52	22.52	22.52	
20	16QAM	100	0	22.53	22.50	22.53	
20	64QAM	1	0	22.59	22.75	22.73	23.1
20	64QAM	1	49	22.68	22.71	22.61	
20	64QAM	1	99	22.55	22.69	22.48	
20	64QAM	50	0	21.64	21.63	21.63	
20	64QAM	50	24	21.63	21.64	21.64	22.1
20	64QAM	50	50	21.59	21.59	21.61	
20	64QAM	100	0	21.55	21.56	21.55	
20	256QAM	1	0	19.59	19.53	19.43	
20	256QAM	1	49	19.48	19.31	19.23	20.1
20	256QAM	1	99	19.41	19.25	19.47	20.1
20	256QAM	50	0	19.42	19.16	19.48	
20	256QAM	50	24	19.29	19.27	19.29	
20	256QAM	50	50	19.27	19.09	19.25	
20	256QAM	100	0	19.38	19.21	19.30	
Channel				133197	133297	133397	
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	0	22.65	22.56	22.59	
15	QPSK	1	37	22.55	22.52	22.55	24.2
15	QPSK	1	74	22.57	22.60	22.55	24.1
15	QPSK	36	0	22.65	22.59	22.68	
15	QPSK	36	20	22.55	22.68	22.67	
15	QPSK	36	39	22.65	22.66	22.67	
15	QPSK	75	0	22.59	22.66	22.68	24.1
15	16QAM	1	0	22.66	22.86	22.71	
15	16QAM	1	37	22.69	22.70	22.70	
15	16QAM	1	74	22.73	22.74	22.69	
15	16QAM	36	0	22.57	22.59	22.48	23.1
15	16QAM	36	20	22.55	22.56	22.48	
15	16QAM	36	39	22.44	22.46	22.48	
15	16QAM	75	0	22.49	22.46	22.45	
15	64QAM	1	0	22.58	22.72	22.63	23.1
15	64QAM	1	37	22.66	22.63	22.53	
15	64QAM	1	74	22.49	22.64	22.41	
15	64QAM	36	0	21.61	21.58	21.57	
15	64QAM	36	20	21.58	21.55	21.55	22.1
15	64QAM	36	39	21.58	21.49	21.57	
15	64QAM	75	0	21.54	21.47	21.46	
15	256QAM	1	0	19.52	19.50	19.43	
15	256QAM	1	37	19.44	19.26	19.13	20.1
15	256QAM	1	74	19.32	19.20	19.39	
15	256QAM	36	0	19.32	19.08	19.39	
15	256QAM	36	20	19.23	19.22	19.26	
15	256QAM	36	39	19.26	19.00	19.22	20.1



FCC SAR TEST REPORT

Report No. : FA2D0208-01F

15	256QAM	75	0	19.35	19.20	19.27	Tune-up limit (dBm)
Channel				133172	133297	133422	
Frequency (MHz)				668	680.5	693	
10	QPSK	1	0	22.65	22.59	22.56	24.2
10	QPSK	1	25	22.50	22.56	22.54	
10	QPSK	1	49	22.51	22.56	22.62	
10	QPSK	25	0	22.56	22.69	22.62	24.1
10	QPSK	25	12	22.55	22.63	22.65	
10	QPSK	25	25	22.62	22.66	22.63	
10	QPSK	50	0	22.65	22.59	22.68	
10	16QAM	1	0	22.72	22.86	22.79	24.1
10	16QAM	1	25	22.70	22.76	22.70	
10	16QAM	1	49	22.70	22.78	22.70	
10	16QAM	25	0	22.51	22.54	22.54	23.1
10	16QAM	25	12	22.49	22.53	22.52	
10	16QAM	25	25	22.44	22.43	22.46	
10	16QAM	50	0	22.43	22.46	22.47	
10	64QAM	1	0	22.56	22.66	22.67	23.1
10	64QAM	1	25	22.65	22.65	22.55	
10	64QAM	1	49	22.52	22.69	22.44	
10	64QAM	25	0	21.64	21.63	21.62	22.1
10	64QAM	25	12	21.60	21.59	21.62	
10	64QAM	25	25	21.50	21.53	21.60	
10	64QAM	50	0	21.51	21.52	21.47	
10	256QAM	1	0	19.54	19.43	19.38	20.1
10	256QAM	1	25	19.48	19.24	19.17	
10	256QAM	1	49	19.40	19.18	19.41	
10	256QAM	25	0	19.36	19.06	19.38	20.1
10	256QAM	25	12	19.22	19.23	19.29	
10	256QAM	25	25	19.27	19.05	19.24	
10	256QAM	50	0	19.31	19.12	19.24	
Channel				133147	133297	133447	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	QPSK	1	0	22.61	22.56	22.59	24.2
5	QPSK	1	12	22.56	22.55	22.54	
5	QPSK	1	24	22.51	22.55	22.57	
5	QPSK	12	0	22.62	22.69	22.71	24.1
5	QPSK	12	7	22.57	22.59	22.65	
5	QPSK	12	13	22.56	22.60	22.66	
5	QPSK	25	0	22.67	22.60	22.63	
5	16QAM	1	0	22.72	22.86	22.72	24.1
5	16QAM	1	12	22.74	22.68	22.73	
5	16QAM	1	24	22.77	22.80	22.69	
5	16QAM	12	0	22.56	22.57	22.49	23.1
5	16QAM	12	7	22.55	22.49	22.54	
5	16QAM	12	13	22.46	22.42	22.50	
5	16QAM	25	0	22.52	22.46	22.46	
5	64QAM	1	0	22.53	22.67	22.73	23.1
5	64QAM	1	12	22.63	22.69	22.55	
5	64QAM	1	24	22.51	22.68	22.42	
5	64QAM	12	0	21.59	21.61	21.61	22.1
5	64QAM	12	7	21.62	21.58	21.55	
5	64QAM	12	13	21.55	21.52	21.53	
5	64QAM	25	0	21.49	21.51	21.54	
5	256QAM	1	0	19.49	19.47	19.38	20.1
5	256QAM	1	12	19.47	19.30	19.22	
5	256QAM	1	24	19.41	19.20	19.43	
5	256QAM	12	0	19.40	19.16	19.38	20.1
5	256QAM	12	7	19.25	19.20	19.22	
5	256QAM	12	13	19.27	19.08	19.22	
5	256QAM	25	0	19.30	19.17	19.27	



<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	22.65	22.64	22.65	
20	QPSK	1	49	22.53	22.55	22.53	23.5
20	QPSK	1	99	22.60	22.61	22.62	
20	QPSK	50	0	22.65	22.69	22.71	
20	QPSK	50	24	22.61	22.68	22.71	23.5
20	QPSK	50	50	22.65	22.67	22.69	
20	QPSK	100	0	22.68	22.66	22.68	
20	16QAM	1	0	22.74	22.95	22.80	23.5
20	16QAM	1	49	22.79	22.76	22.79	
20	16QAM	1	99	22.78	22.80	22.74	
20	16QAM	50	0	22.58	22.59	22.58	23.1
20	16QAM	50	24	22.56	22.56	22.56	
20	16QAM	50	50	22.52	22.52	22.52	
20	16QAM	100	0	22.53	22.50	22.53	23.1
20	64QAM	1	0	22.59	22.75	22.73	
20	64QAM	1	49	22.68	22.71	22.61	
20	64QAM	1	99	22.55	22.69	22.48	22.1
20	64QAM	50	0	21.64	21.63	21.63	
20	64QAM	50	24	21.63	21.64	21.64	
20	64QAM	50	50	21.59	21.59	21.61	20.1
20	64QAM	100	0	21.55	21.56	21.55	
20	256QAM	1	0	19.59	19.53	19.43	
20	256QAM	1	49	19.48	19.31	19.23	20.1
20	256QAM	1	99	19.41	19.25	19.47	
20	256QAM	50	0	19.42	19.16	19.48	
20	256QAM	50	24	19.29	19.27	19.29	20.1
20	256QAM	50	50	19.27	19.09	19.25	
20	256QAM	100	0	19.38	19.21	19.30	
Channel				133197	133297	133397	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	0	22.65	22.56	22.59	
15	QPSK	1	37	22.55	22.52	22.55	23.5
15	QPSK	1	74	22.57	22.60	22.55	
15	QPSK	36	0	22.65	22.59	22.68	
15	QPSK	36	20	22.55	22.68	22.67	23.5
15	QPSK	36	39	22.65	22.66	22.67	
15	QPSK	75	0	22.59	22.66	22.68	
15	16QAM	1	0	22.66	22.86	22.71	23.5
15	16QAM	1	37	22.69	22.70	22.70	
15	16QAM	1	74	22.73	22.74	22.69	
15	16QAM	36	0	22.57	22.59	22.48	23.1
15	16QAM	36	20	22.55	22.56	22.48	
15	16QAM	36	39	22.44	22.46	22.48	
15	16QAM	75	0	22.49	22.46	22.45	23.1
15	64QAM	1	0	22.58	22.72	22.63	
15	64QAM	1	37	22.66	22.63	22.53	
15	64QAM	1	74	22.49	22.64	22.41	22.1
15	64QAM	36	0	21.61	21.58	21.57	
15	64QAM	36	20	21.58	21.55	21.55	
15	64QAM	36	39	21.58	21.49	21.57	20.1
15	64QAM	75	0	21.54	21.47	21.46	
15	256QAM	1	0	19.52	19.50	19.43	
15	256QAM	1	37	19.44	19.26	19.13	20.1
15	256QAM	1	74	19.32	19.20	19.39	
15	256QAM	36	0	19.32	19.08	19.39	
15	256QAM	36	20	19.23	19.22	19.26	20.1
15	256QAM	36	39	19.26	19.00	19.22	



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Report No. : FA2D0208-01F

15	256QAM	75	0	19.35	19.20	19.27	Tune-up limit (dBm)
Channel				133172	133297	133422	
Frequency (MHz)				668	680.5	693	
10	QPSK	1	0	22.65	22.59	22.56	23.5
10	QPSK	1	25	22.50	22.56	22.54	
10	QPSK	1	49	22.51	22.56	22.62	
10	QPSK	25	0	22.56	22.69	22.62	23.5
10	QPSK	25	12	22.55	22.63	22.65	
10	QPSK	25	25	22.62	22.66	22.63	
10	QPSK	50	0	22.65	22.59	22.68	
10	16QAM	1	0	22.72	22.86	22.79	23.5
10	16QAM	1	25	22.70	22.76	22.70	
10	16QAM	1	49	22.70	22.78	22.70	
10	16QAM	25	0	22.51	22.54	22.54	23.1
10	16QAM	25	12	22.49	22.53	22.52	
10	16QAM	25	25	22.44	22.43	22.46	
10	16QAM	50	0	22.43	22.46	22.47	
10	64QAM	1	0	22.56	22.66	22.67	23.1
10	64QAM	1	25	22.65	22.65	22.55	
10	64QAM	1	49	22.52	22.69	22.44	
10	64QAM	25	0	21.64	21.63	21.62	22.1
10	64QAM	25	12	21.60	21.59	21.62	
10	64QAM	25	25	21.50	21.53	21.60	
10	64QAM	50	0	21.51	21.52	21.47	
10	256QAM	1	0	19.54	19.43	19.38	20.1
10	256QAM	1	25	19.48	19.24	19.17	
10	256QAM	1	49	19.40	19.18	19.41	
10	256QAM	25	0	19.36	19.06	19.38	20.1
10	256QAM	25	12	19.22	19.23	19.29	
10	256QAM	25	25	19.27	19.05	19.24	
10	256QAM	50	0	19.31	19.12	19.24	
Channel				133147	133297	133447	Tune-up limit (dBm)
Frequency (MHz)				665.5	680.5	695.5	
5	QPSK	1	0	22.61	22.56	22.59	23.5
5	QPSK	1	12	22.56	22.55	22.54	
5	QPSK	1	24	22.51	22.55	22.57	
5	QPSK	12	0	22.62	22.69	22.71	23.5
5	QPSK	12	7	22.57	22.59	22.65	
5	QPSK	12	13	22.56	22.60	22.66	
5	QPSK	25	0	22.67	22.60	22.63	
5	16QAM	1	0	22.72	22.86	22.72	23.5
5	16QAM	1	12	22.74	22.68	22.73	
5	16QAM	1	24	22.77	22.80	22.69	
5	16QAM	12	0	22.56	22.57	22.49	23.1
5	16QAM	12	7	22.55	22.49	22.54	
5	16QAM	12	13	22.46	22.42	22.50	
5	16QAM	25	0	22.52	22.46	22.46	
5	64QAM	1	0	22.53	22.67	22.73	23.1
5	64QAM	1	12	22.63	22.69	22.55	
5	64QAM	1	24	22.51	22.68	22.42	
5	64QAM	12	0	21.59	21.61	21.61	22.1
5	64QAM	12	7	21.62	21.58	21.55	
5	64QAM	12	13	21.55	21.52	21.53	
5	64QAM	25	0	21.49	21.51	21.54	
5	256QAM	1	0	19.49	19.47	19.38	20.1
5	256QAM	1	12	19.47	19.30	19.22	
5	256QAM	1	24	19.41	19.20	19.43	
5	256QAM	12	0	19.40	19.16	19.38	20.1
5	256QAM	12	7	19.25	19.20	19.22	
5	256QAM	12	13	19.27	19.08	19.22	
5	256QAM	25	0	19.30	19.17	19.27	



<LTE Band 38_PC3_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	22.05	22.06	21.91	23.5
20	QPSK	1	49	21.99	21.97	21.90	
20	QPSK	1	99	21.99	21.91	21.82	
20	QPSK	50	0	21.06	20.96	20.94	22.5
20	QPSK	50	24	21.08	20.98	20.93	
20	QPSK	50	50	21.02	20.95	20.87	
20	QPSK	100	0	21.06	20.97	20.90	22.5
20	16QAM	1	0	21.02	20.91	20.91	
20	16QAM	1	49	20.92	20.83	20.73	
20	16QAM	1	99	20.92	20.85	20.75	21.5
20	16QAM	50	0	20.04	19.95	19.85	
20	16QAM	50	24	19.99	19.96	19.89	
20	16QAM	50	50	20.02	19.91	19.85	21.5
20	16QAM	100	0	20.06	19.95	19.85	
20	64QAM	1	0	19.82	19.78	19.63	
20	64QAM	1	49	19.80	19.69	19.59	20.5
20	64QAM	1	99	19.76	19.65	19.55	
20	64QAM	50	0	19.05	18.95	18.86	
20	64QAM	50	24	19.02	18.94	18.88	18.5
20	64QAM	50	50	19.01	18.89	18.84	
20	64QAM	100	0	19.00	18.88	18.84	
20	256QAM	1	0	16.98	17.19	17.15	18.5
20	256QAM	1	49	17.03	17.25	17.05	
20	256QAM	1	99	16.99	17.08	16.91	
20	256QAM	50	0	17.18	17.28	17.34	18.5
20	256QAM	50	24	17.24	17.29	17.29	
20	256QAM	50	50	17.23	17.24	17.22	
20	256QAM	100	0	17.12	17.23	17.20	Tune-up limit (dBm)
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	21.93	21.92	21.89	23.5
15	QPSK	1	37	21.91	21.82	21.77	
15	QPSK	1	74	21.88	21.87	21.80	
15	QPSK	36	0	21.01	20.85	20.90	22.5
15	QPSK	36	20	21.01	20.85	20.83	
15	QPSK	36	39	20.92	20.89	20.87	
15	QPSK	75	0	20.92	20.85	20.88	22.5
15	16QAM	1	0	21.00	20.93	20.81	
15	16QAM	1	37	20.92	20.97	20.90	
15	16QAM	1	74	20.79	20.82	20.70	21.5
15	16QAM	36	0	19.93	19.92	19.75	
15	16QAM	36	20	19.92	19.88	19.83	
15	16QAM	36	39	19.93	19.87	19.75	21.5
15	16QAM	75	0	19.98	19.93	19.84	
15	64QAM	1	0	19.85	19.76	19.60	
15	64QAM	1	37	19.84	19.82	19.51	20.5
15	64QAM	1	74	19.84	19.66	19.50	
15	64QAM	36	0	18.92	18.89	18.75	
15	64QAM	36	20	18.90	18.82	18.76	18.5
15	64QAM	36	39	18.98	18.81	18.74	
15	64QAM	75	0	18.95	18.92	18.76	
15	256QAM	1	0	16.88	17.19	17.09	18.5
15	256QAM	1	37	16.94	17.20	16.95	
15	256QAM	1	74	16.96	16.99	16.88	
15	256QAM	36	0	17.11	17.19	17.27	18.5
15	256QAM	36	20	17.19	17.20	17.22	
15	256QAM	36	39	17.13	17.16	17.19	



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Report No. : FA2D0208-01F

15	256QAM	75	0	17.12	17.18	17.14	Tune-up limit (dBm)
Channel				37800	38000	38200	
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	21.97	21.88	21.88	23.5
10	QPSK	1	25	21.90	21.86	21.78	
10	QPSK	1	49	21.89	21.80	21.79	
10	QPSK	25	0	21.00	20.91	20.88	22.5
10	QPSK	25	12	21.00	20.86	20.80	
10	QPSK	25	25	20.93	20.93	20.81	
10	QPSK	50	0	20.93	20.88	20.84	
10	16QAM	1	0	20.91	20.90	20.84	22.5
10	16QAM	1	25	20.95	20.95	20.92	
10	16QAM	1	49	20.82	20.80	20.74	
10	16QAM	25	0	19.98	19.86	19.84	21.5
10	16QAM	25	12	19.99	19.84	19.86	
10	16QAM	25	25	19.90	19.85	19.79	
10	16QAM	50	0	19.94	19.85	19.85	
10	64QAM	1	0	19.88	19.73	19.56	21.5
10	64QAM	1	25	19.81	19.80	19.55	
10	64QAM	1	49	19.84	19.65	19.53	
10	64QAM	25	0	19.00	18.93	18.79	20.5
10	64QAM	25	12	19.00	18.89	18.78	
10	64QAM	25	25	18.97	18.90	18.73	
10	64QAM	50	0	18.92	18.92	18.74	
10	256QAM	1	0	16.94	17.11	17.11	18.5
10	256QAM	1	25	16.99	17.21	16.98	
10	256QAM	1	49	16.93	17.07	16.86	
10	256QAM	25	0	17.18	17.25	17.29	18.5
10	256QAM	25	12	17.22	17.22	17.26	
10	256QAM	25	25	17.19	17.23	17.14	
10	256QAM	50	0	17.08	17.19	17.12	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	21.95	21.93	21.82	23.5
5	QPSK	1	12	21.97	21.85	21.85	
5	QPSK	1	24	21.90	21.82	21.70	
5	QPSK	12	0	21.03	20.90	20.89	22.5
5	QPSK	12	7	21.04	20.88	20.86	
5	QPSK	12	13	20.92	20.90	20.84	
5	QPSK	25	0	20.99	20.86	20.88	22.5
5	16QAM	1	0	20.99	20.92	20.85	
5	16QAM	1	12	20.94	20.97	20.85	
5	16QAM	1	24	20.86	20.79	20.78	21.5
5	16QAM	12	0	19.93	19.84	19.83	
5	16QAM	12	7	19.93	19.85	19.77	
5	16QAM	12	13	19.93	19.82	19.80	
5	16QAM	25	0	20.01	19.88	19.76	21.5
5	64QAM	1	0	19.88	19.74	19.52	
5	64QAM	1	12	19.84	19.75	19.52	
5	64QAM	1	24	19.77	19.70	19.53	20.5
5	64QAM	12	0	18.90	18.86	18.79	
5	64QAM	12	7	18.99	18.80	18.84	
5	64QAM	12	13	18.91	18.86	18.74	
5	64QAM	25	0	18.91	18.90	18.80	18.5
5	256QAM	1	0	16.98	17.12	17.11	
5	256QAM	1	12	16.95	17.17	16.98	
5	256QAM	1	24	16.94	17.04	16.82	18.5
5	256QAM	12	0	17.17	17.24	17.30	
5	256QAM	12	7	17.18	17.27	17.29	
5	256QAM	12	13	17.17	17.17	17.15	
5	256QAM	25	0	17.09	17.22	17.20	



<LTE Band 38_PC3_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	18.49	18.53	18.48	19.9
20	QPSK	1	49	18.52	18.54	18.50	
20	QPSK	1	99	18.41	18.43	18.41	
20	QPSK	50	0	18.54	18.57	18.53	19.9
20	QPSK	50	24	18.54	18.55	18.53	
20	QPSK	50	50	18.52	18.54	18.52	
20	QPSK	100	0	18.53	18.55	18.52	19.9
20	16QAM	1	0	18.48	18.59	18.51	
20	16QAM	1	49	18.47	18.56	18.48	
20	16QAM	1	99	18.48	18.53	18.45	19.9
20	16QAM	50	0	18.52	18.53	18.50	
20	16QAM	50	24	18.49	18.52	18.50	
20	16QAM	50	50	18.49	18.51	18.49	19.9
20	16QAM	100	0	18.52	18.53	18.50	
20	64QAM	1	0	18.25	18.22	18.26	
20	64QAM	1	49	18.19	18.21	18.28	19.9
20	64QAM	1	99	18.21	18.17	18.22	
20	64QAM	50	0	18.50	18.55	18.53	
20	64QAM	50	24	18.50	18.52	18.51	19.9
20	64QAM	50	50	18.48	18.52	18.50	
20	64QAM	100	0	18.47	18.51	18.47	
20	256QAM	1	0	16.89	17.10	17.11	18.4
20	256QAM	1	49	16.96	17.16	16.96	
20	256QAM	1	99	16.98	17.07	16.84	
20	256QAM	50	0	17.12	17.23	17.27	18.4
20	256QAM	50	24	17.23	17.28	17.28	
20	256QAM	50	50	17.22	17.22	17.12	
20	256QAM	100	0	17.02	17.17	17.14	Tune-up limit (dBm)
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	18.45	18.43	18.42	19.9
15	QPSK	1	37	18.43	18.50	18.41	
15	QPSK	1	74	18.36	18.36	18.33	
15	QPSK	36	0	18.52	18.48	18.45	19.9
15	QPSK	36	20	18.51	18.54	18.43	
15	QPSK	36	39	18.43	18.46	18.46	
15	QPSK	75	0	18.48	18.48	18.42	19.9
15	16QAM	1	0	18.48	18.57	18.41	
15	16QAM	1	37	18.41	18.46	18.38	
15	16QAM	1	74	18.39	18.53	18.39	19.9
15	16QAM	36	0	18.45	18.52	18.41	
15	16QAM	36	20	18.45	18.48	18.42	
15	16QAM	36	39	18.45	18.44	18.48	19.9
15	16QAM	75	0	18.50	18.49	18.42	
15	64QAM	1	0	18.22	18.17	18.20	
15	64QAM	1	37	18.11	18.18	18.20	19.9
15	64QAM	1	74	18.11	18.13	18.13	
15	64QAM	36	0	18.41	18.50	18.51	
15	64QAM	36	20	18.40	18.51	18.47	19.9
15	64QAM	36	39	18.40	18.47	18.49	
15	64QAM	75	0	18.45	18.50	18.40	
15	256QAM	1	0	16.88	17.07	17.02	18.4
15	256QAM	1	37	16.86	17.08	16.87	
15	256QAM	1	74	16.94	17.00	16.82	
15	256QAM	36	0	17.06	17.22	17.26	18.4
15	256QAM	36	20	17.20	17.20	17.24	
15	256QAM	36	39	17.16	17.12	17.07	



FCC SAR TEST REPORT

Report No. : FA2D0208-01F

15	256QAM	75	0	17.01	17.16	17.07	Tune-up limit (dBm)
Channel				37800	38000	38200	
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	18.42	18.45	18.48	19.9
10	QPSK	1	25	18.52	18.47	18.40	
10	QPSK	1	49	18.39	18.43	18.35	
10	QPSK	25	0	18.52	18.55	18.48	19.9
10	QPSK	25	12	18.52	18.47	18.46	
10	QPSK	25	25	18.44	18.53	18.43	
10	QPSK	50	0	18.49	18.49	18.45	19.9
10	16QAM	1	0	18.47	18.56	18.44	
10	16QAM	1	25	18.41	18.53	18.40	
10	16QAM	1	49	18.48	18.51	18.37	19.9
10	16QAM	25	0	18.44	18.44	18.47	
10	16QAM	25	12	18.47	18.48	18.45	
10	16QAM	25	25	18.47	18.41	18.41	19.9
10	16QAM	50	0	18.51	18.45	18.42	
10	64QAM	1	0	18.18	18.14	18.23	19.9
10	64QAM	1	25	18.17	18.18	18.27	
10	64QAM	1	49	18.16	18.14	18.16	
10	64QAM	25	0	18.40	18.46	18.45	19.9
10	64QAM	25	12	18.43	18.49	18.43	
10	64QAM	25	25	18.47	18.45	18.40	
10	64QAM	50	0	18.42	18.47	18.44	18.4
10	256QAM	1	0	16.82	17.03	17.10	
10	256QAM	1	25	16.94	17.14	16.93	
10	256QAM	1	49	16.92	16.97	16.75	18.4
10	256QAM	25	0	17.12	17.15	17.17	
10	256QAM	25	12	17.20	17.23	17.22	
10	256QAM	25	25	17.15	17.14	17.04	18.4
10	256QAM	50	0	16.92	17.15	17.04	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	18.44	18.53	18.45	19.9
5	QPSK	1	12	18.43	18.47	18.41	
5	QPSK	1	24	18.38	18.34	18.33	
5	QPSK	12	0	18.45	18.53	18.45	19.9
5	QPSK	12	7	18.52	18.45	18.44	
5	QPSK	12	13	18.44	18.45	18.52	
5	QPSK	25	0	18.47	18.53	18.51	19.9
5	16QAM	1	0	18.39	18.52	18.48	
5	16QAM	1	12	18.42	18.46	18.42	
5	16QAM	1	24	18.39	18.46	18.39	19.9
5	16QAM	12	0	18.50	18.50	18.47	
5	16QAM	12	7	18.39	18.51	18.42	
5	16QAM	12	13	18.39	18.49	18.49	19.9
5	16QAM	25	0	18.50	18.50	18.44	
5	64QAM	1	0	18.18	18.16	18.16	19.9
5	64QAM	1	12	18.19	18.21	18.28	
5	64QAM	1	24	18.19	18.08	18.18	
5	64QAM	12	0	18.42	18.54	18.46	19.9
5	64QAM	12	7	18.40	18.49	18.43	
5	64QAM	12	13	18.48	18.50	18.43	
5	64QAM	25	0	18.40	18.41	18.40	18.4
5	256QAM	1	0	16.89	17.09	17.02	
5	256QAM	1	12	16.90	17.07	16.94	
5	256QAM	1	24	16.97	17.04	16.81	18.4
5	256QAM	12	0	17.12	17.16	17.20	
5	256QAM	12	7	17.18	17.18	17.24	
5	256QAM	12	13	17.21	17.21	17.07	18.4
5	256QAM	25	0	16.98	17.09	17.08	



<LTE Band 38_PC3_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	21.07	21.12	21.04	22.6
20	QPSK	1	49	21.09	21.11	21.03	
20	QPSK	1	99	20.99	20.98	20.96	
20	QPSK	50	0	20.60	20.63	20.62	22.1
20	QPSK	50	24	20.60	20.64	20.61	
20	QPSK	50	50	20.57	20.60	20.60	
20	QPSK	100	0	20.60	20.63	20.62	22.1
20	16QAM	1	0	20.65	20.62	20.53	
20	16QAM	1	49	20.64	20.63	20.54	
20	16QAM	1	99	20.51	20.57	20.47	21.1
20	16QAM	50	0	19.56	19.62	19.57	
20	16QAM	50	24	19.57	19.58	19.57	
20	16QAM	50	50	19.54	19.57	19.54	21.1
20	16QAM	100	0	19.58	19.59	19.57	
20	64QAM	1	0	19.51	19.44	19.31	
20	64QAM	1	49	19.51	19.42	19.35	20.1
20	64QAM	1	99	19.43	19.32	19.32	
20	64QAM	50	0	18.58	18.61	18.56	
20	64QAM	50	24	18.57	18.59	18.56	18.1
20	64QAM	50	50	18.55	18.57	18.53	
20	64QAM	100	0	18.57	18.58	18.54	
20	256QAM	1	0	16.94	17.13	17.10	18.1
20	256QAM	1	49	16.95	17.18	17.01	
20	256QAM	1	99	16.92	17.04	16.90	
20	256QAM	50	0	17.13	17.25	17.31	18.1
20	256QAM	50	24	17.20	17.22	17.24	
20	256QAM	50	50	17.19	17.22	17.16	
20	256QAM	100	0	17.12	17.17	17.17	Tune-up limit (dBm)
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	21.07	21.06	20.98	22.6
15	QPSK	1	37	21.07	21.07	20.96	
15	QPSK	1	74	20.94	20.97	20.95	
15	QPSK	36	0	20.51	20.59	20.55	22.1
15	QPSK	36	20	20.53	20.63	20.61	
15	QPSK	36	39	20.52	20.56	20.58	
15	QPSK	75	0	20.53	20.58	20.54	22.1
15	16QAM	1	0	20.65	20.59	20.52	
15	16QAM	1	37	20.63	20.62	20.49	
15	16QAM	1	74	20.47	20.54	20.45	21.1
15	16QAM	36	0	19.56	19.60	19.56	
15	16QAM	36	20	19.55	19.49	19.52	
15	16QAM	36	39	19.49	19.49	19.47	21.1
15	16QAM	75	0	19.54	19.59	19.57	
15	64QAM	1	0	19.46	19.41	19.29	
15	64QAM	1	37	19.44	19.37	19.33	20.1
15	64QAM	1	74	19.43	19.23	19.31	
15	64QAM	36	0	18.50	18.59	18.48	
15	64QAM	36	20	18.51	18.51	18.49	18.1
15	64QAM	36	39	18.52	18.48	18.47	
15	64QAM	75	0	18.57	18.51	18.44	
15	256QAM	1	0	16.94	17.07	17.03	18.1
15	256QAM	1	37	16.93	17.14	16.98	
15	256QAM	1	74	16.84	17.00	16.85	
15	256QAM	36	0	17.05	17.15	17.24	18.1
15	256QAM	36	20	17.11	17.21	17.17	
15	256QAM	36	39	17.09	17.22	17.14	



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Report No. : FA2D0208-01F

15	256QAM	75	0	17.10	17.13	17.16	Tune-up limit (dBm)
Channel				37800	38000	38200	
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	21.02	21.01	20.94	22.6
10	QPSK	1	25	21.00	21.05	20.94	
10	QPSK	1	49	20.96	20.89	20.96	
10	QPSK	25	0	20.59	20.58	20.54	22.1
10	QPSK	25	12	20.53	20.62	20.57	
10	QPSK	25	25	20.57	20.50	20.51	
10	QPSK	50	0	20.55	20.63	20.57	
10	16QAM	1	0	20.61	20.58	20.45	22.1
10	16QAM	1	25	20.64	20.54	20.44	
10	16QAM	1	49	20.51	20.55	20.37	
10	16QAM	25	0	19.47	19.62	19.47	21.1
10	16QAM	25	12	19.52	19.52	19.51	
10	16QAM	25	25	19.53	19.47	19.48	
10	16QAM	50	0	19.49	19.49	19.49	
10	64QAM	1	0	19.51	19.44	19.28	21.1
10	64QAM	1	25	19.44	19.35	19.27	
10	64QAM	1	49	19.41	19.25	19.23	
10	64QAM	25	0	18.55	18.58	18.50	20.1
10	64QAM	25	12	18.53	18.51	18.52	
10	64QAM	25	25	18.53	18.56	18.43	
10	64QAM	50	0	18.53	18.54	18.53	
10	256QAM	1	0	16.85	17.06	17.10	18.1
10	256QAM	1	25	16.88	17.16	17.00	
10	256QAM	1	49	16.92	16.94	16.88	
10	256QAM	25	0	17.07	17.20	17.21	18.1
10	256QAM	25	12	17.20	17.19	17.18	
10	256QAM	25	25	17.16	17.16	17.12	
10	256QAM	50	0	17.11	17.15	17.11	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	21.06	21.03	20.99	22.6
5	QPSK	1	12	21.07	21.01	20.93	
5	QPSK	1	24	20.90	20.90	20.90	
5	QPSK	12	0	20.50	20.62	20.61	22.1
5	QPSK	12	7	20.57	20.54	20.55	
5	QPSK	12	13	20.55	20.59	20.51	
5	QPSK	25	0	20.56	20.56	20.53	
5	16QAM	1	0	20.63	20.54	20.48	22.1
5	16QAM	1	12	20.64	20.59	20.49	
5	16QAM	1	24	20.41	20.50	20.41	
5	16QAM	12	0	19.56	19.59	19.47	21.1
5	16QAM	12	7	19.52	19.55	19.54	
5	16QAM	12	13	19.52	19.54	19.47	
5	16QAM	25	0	19.52	19.52	19.50	
5	64QAM	1	0	19.41	19.36	19.29	21.1
5	64QAM	1	12	19.49	19.42	19.26	
5	64QAM	1	24	19.35	19.27	19.28	
5	64QAM	12	0	18.49	18.56	18.49	20.1
5	64QAM	12	7	18.48	18.58	18.46	
5	64QAM	12	13	18.46	18.57	18.51	
5	64QAM	25	0	18.54	18.51	18.48	
5	256QAM	1	0	16.86	17.10	17.03	18.1
5	256QAM	1	12	16.95	17.16	16.98	
5	256QAM	1	24	16.82	16.96	16.90	
5	256QAM	12	0	17.13	17.17	17.29	18.1
5	256QAM	12	7	17.14	17.22	17.17	
5	256QAM	12	13	17.17	17.19	17.13	
5	256QAM	25	0	17.03	17.10	17.10	



<LTE Band 38_PC3_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	21.07	21.12	21.04	21.9
20	QPSK	1	49	21.09	21.11	21.03	
20	QPSK	1	99	20.99	20.98	20.96	
20	QPSK	50	0	20.60	20.63	20.62	21.9
20	QPSK	50	24	20.60	20.64	20.61	
20	QPSK	50	50	20.57	20.60	20.60	
20	QPSK	100	0	20.60	20.63	20.62	
20	16QAM	1	0	20.65	20.62	20.53	21.9
20	16QAM	1	49	20.64	20.63	20.54	
20	16QAM	1	99	20.51	20.57	20.47	
20	16QAM	50	0	19.56	19.62	19.57	21.4
20	16QAM	50	24	19.57	19.58	19.57	
20	16QAM	50	50	19.54	19.57	19.54	
20	16QAM	100	0	19.58	19.59	19.57	
20	64QAM	1	0	19.51	19.44	19.31	21.4
20	64QAM	1	49	19.51	19.42	19.35	
20	64QAM	1	99	19.43	19.32	19.32	
20	64QAM	50	0	18.58	18.61	18.56	20.4
20	64QAM	50	24	18.57	18.59	18.56	
20	64QAM	50	50	18.55	18.57	18.53	
20	64QAM	100	0	18.57	18.58	18.54	
20	256QAM	1	0	16.94	17.13	17.10	18.4
20	256QAM	1	49	16.95	17.18	17.01	
20	256QAM	1	99	16.92	17.04	16.90	
20	256QAM	50	0	17.13	17.25	17.31	18.4
20	256QAM	50	24	17.20	17.22	17.24	
20	256QAM	50	50	17.19	17.22	17.16	
20	256QAM	100	0	17.12	17.17	17.17	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	21.07	21.06	20.98	21.9
15	QPSK	1	37	21.07	21.07	20.96	
15	QPSK	1	74	20.94	20.97	20.95	
15	QPSK	36	0	20.51	20.59	20.55	21.9
15	QPSK	36	20	20.53	20.63	20.61	
15	QPSK	36	39	20.52	20.56	20.58	
15	QPSK	75	0	20.53	20.58	20.54	
15	16QAM	1	0	20.65	20.59	20.52	21.9
15	16QAM	1	37	20.63	20.62	20.49	
15	16QAM	1	74	20.47	20.54	20.45	
15	16QAM	36	0	19.56	19.60	19.56	21.4
15	16QAM	36	20	19.55	19.49	19.52	
15	16QAM	36	39	19.49	19.49	19.47	
15	16QAM	75	0	19.54	19.59	19.57	
15	64QAM	1	0	19.46	19.41	19.29	21.4
15	64QAM	1	37	19.44	19.37	19.33	
15	64QAM	1	74	19.43	19.23	19.31	
15	64QAM	36	0	18.50	18.59	18.48	20.4
15	64QAM	36	20	18.51	18.51	18.49	
15	64QAM	36	39	18.52	18.48	18.47	
15	64QAM	75	0	18.57	18.51	18.44	
15	256QAM	1	0	16.94	17.07	17.03	18.4
15	256QAM	1	37	16.93	17.14	16.98	
15	256QAM	1	74	16.84	17.00	16.85	
15	256QAM	36	0	17.05	17.15	17.24	18.4
15	256QAM	36	20	17.11	17.21	17.17	
15	256QAM	36	39	17.09	17.22	17.14	



FCC SAR TEST REPORT

Report No. : FA2D0208-01F

15	256QAM	75	0	17.10	17.13	17.16	Tune-up limit (dBm)
Channel				37800	38000	38200	
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	21.02	21.01	20.94	21.9
10	QPSK	1	25	21.00	21.05	20.94	
10	QPSK	1	49	20.96	20.89	20.96	
10	QPSK	25	0	20.59	20.58	20.54	21.9
10	QPSK	25	12	20.53	20.62	20.57	
10	QPSK	25	25	20.57	20.50	20.51	
10	QPSK	50	0	20.55	20.63	20.57	21.9
10	16QAM	1	0	20.61	20.58	20.45	
10	16QAM	1	25	20.64	20.54	20.44	
10	16QAM	1	49	20.51	20.55	20.37	21.4
10	16QAM	25	0	19.47	19.62	19.47	
10	16QAM	25	12	19.52	19.52	19.51	
10	16QAM	25	25	19.53	19.47	19.48	21.4
10	16QAM	50	0	19.49	19.49	19.49	
10	64QAM	1	0	19.51	19.44	19.28	
10	64QAM	1	25	19.44	19.35	19.27	20.4
10	64QAM	1	49	19.41	19.25	19.23	
10	64QAM	25	0	18.55	18.58	18.50	
10	64QAM	25	12	18.53	18.51	18.52	18.4
10	64QAM	25	25	18.53	18.56	18.43	
10	64QAM	50	0	18.53	18.54	18.53	
10	256QAM	1	0	16.85	17.06	17.10	18.4
10	256QAM	1	25	16.88	17.16	17.00	
10	256QAM	1	49	16.92	16.94	16.88	
10	256QAM	25	0	17.07	17.20	17.21	18.4
10	256QAM	25	12	17.20	17.19	17.18	
10	256QAM	25	25	17.16	17.16	17.12	
10	256QAM	50	0	17.11	17.15	17.11	Tune-up limit (dBm)
Channel				37775	38000	38225	
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	21.06	21.03	20.99	21.9
5	QPSK	1	12	21.07	21.01	20.93	
5	QPSK	1	24	20.90	20.90	20.90	
5	QPSK	12	0	20.50	20.62	20.61	21.9
5	QPSK	12	7	20.57	20.54	20.55	
5	QPSK	12	13	20.55	20.59	20.51	
5	QPSK	25	0	20.56	20.56	20.53	21.9
5	16QAM	1	0	20.63	20.54	20.48	
5	16QAM	1	12	20.64	20.59	20.49	
5	16QAM	1	24	20.41	20.50	20.41	21.4
5	16QAM	12	0	19.56	19.59	19.47	
5	16QAM	12	7	19.52	19.55	19.54	
5	16QAM	12	13	19.52	19.54	19.47	21.4
5	16QAM	25	0	19.52	19.52	19.50	
5	64QAM	1	0	19.41	19.36	19.29	
5	64QAM	1	12	19.49	19.42	19.26	20.4
5	64QAM	1	24	19.35	19.27	19.28	
5	64QAM	12	0	18.49	18.56	18.49	
5	64QAM	12	7	18.48	18.58	18.46	18.4
5	64QAM	12	13	18.46	18.57	18.51	
5	64QAM	25	0	18.54	18.51	18.48	
5	256QAM	1	0	16.86	17.10	17.03	18.4
5	256QAM	1	12	16.95	17.16	16.98	
5	256QAM	1	24	16.82	16.96	16.90	
5	256QAM	12	0	17.13	17.17	17.29	18.4
5	256QAM	12	7	17.14	17.22	17.17	
5	256QAM	12	13	17.17	17.19	17.13	
5	256QAM	25	0	17.03	17.10	17.10	



<LTE Band 38_PC2_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	24.68	24.80	24.62	26.5
20	QPSK	1	49	24.56	24.79	24.76	
20	QPSK	1	99	24.65	24.64	24.57	
20	QPSK	50	0	23.81	23.75	23.66	25.5
20	QPSK	50	24	23.84	23.72	23.66	
20	QPSK	50	50	23.80	23.71	23.64	
20	QPSK	100	0	23.83	23.72	23.65	
20	16QAM	1	0	23.90	23.96	23.90	25.5
20	16QAM	1	49	23.84	24.13	24.03	
20	16QAM	1	99	23.82	23.84	23.74	
20	16QAM	50	0	22.82	22.75	22.70	24.5
20	16QAM	50	24	22.79	22.74	22.71	
20	16QAM	50	50	22.78	22.75	22.68	
20	16QAM	100	0	22.81	22.78	22.69	
20	64QAM	1	0	22.62	22.97	22.72	24.5
20	64QAM	1	49	22.87	23.16	23.01	
20	64QAM	1	99	22.59	22.83	22.73	
20	64QAM	50	0	21.86	21.79	21.71	23.5
20	64QAM	50	24	21.82	21.79	21.69	
20	64QAM	50	50	21.82	21.74	21.66	
20	64QAM	100	0	21.83	21.76	21.63	
20	256QAM	1	0	20.00	20.26	20.18	21.5
20	256QAM	1	49	20.22	20.51	20.16	
20	256QAM	1	99	20.06	20.16	19.90	
20	256QAM	50	0	20.16	20.23	20.33	21.5
20	256QAM	50	24	20.19	20.29	20.26	
20	256QAM	50	50	20.20	20.26	20.20	
20	256QAM	100	0	20.16	20.21	20.18	
Channel				37825	38000	38175	Tune-up limit
Frequency (MHz)				2577.5	2595	2612.5	(dBm)
15	QPSK	1	0	24.60	24.66	24.58	26.5
15	QPSK	1	37	24.53	24.75	24.76	
15	QPSK	1	74	24.64	24.60	24.51	
15	QPSK	36	0	23.78	23.73	23.63	25.5
15	QPSK	36	20	23.74	23.64	23.60	
15	QPSK	36	39	23.78	23.69	23.60	
15	QPSK	75	0	23.81	23.63	23.61	25.5
15	16QAM	1	0	23.80	23.89	23.90	
15	16QAM	1	37	23.76	24.06	24.01	
15	16QAM	1	74	23.78	23.76	23.66	24.5
15	16QAM	36	0	22.74	22.67	22.60	
15	16QAM	36	20	22.78	22.71	22.64	
15	16QAM	36	39	22.73	22.69	22.66	24.5
15	16QAM	75	0	22.73	22.71	22.64	
15	64QAM	1	0	22.52	22.91	22.65	
15	64QAM	1	37	22.86	23.06	22.99	24.5
15	64QAM	1	74	22.54	22.83	22.66	
15	64QAM	36	0	21.84	21.78	21.62	
15	64QAM	36	20	21.77	21.76	21.65	23.5
15	64QAM	36	39	21.81	21.72	21.57	
15	64QAM	75	0	21.83	21.76	21.53	
15	256QAM	1	0	19.96	20.25	20.11	21.5
15	256QAM	1	37	20.18	20.44	20.07	
15	256QAM	1	74	20.06	20.13	19.87	
15	256QAM	36	0	20.11	20.19	20.30	21.5
15	256QAM	36	20	20.12	20.21	20.21	
15	256QAM	36	39	20.20	20.21	20.12	



FCC SAR TEST REPORT

Report No. : FA2D0208-01F

15	256QAM	75	0	20.08	20.12	20.17	Tune-up limit (dBm)
Channel				37800	38000	38200	
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	24.59	24.66	24.59	26.5
10	QPSK	1	25	24.53	24.79	24.73	
10	QPSK	1	49	24.57	24.58	24.55	
10	QPSK	25	0	23.71	23.67	23.60	25.5
10	QPSK	25	12	23.75	23.63	23.60	
10	QPSK	25	25	23.70	23.70	23.64	
10	QPSK	50	0	23.78	23.63	23.57	25.5
10	16QAM	1	0	23.89	23.88	23.81	
10	16QAM	1	25	23.81	24.13	23.96	
10	16QAM	1	49	23.77	23.82	23.67	24.5
10	16QAM	25	0	22.82	22.65	22.62	
10	16QAM	25	12	22.79	22.73	22.69	
10	16QAM	25	25	22.77	22.74	22.66	24.5
10	16QAM	50	0	22.71	22.68	22.68	
10	64QAM	1	0	22.56	22.87	22.69	
10	64QAM	1	25	22.87	23.09	22.93	24.5
10	64QAM	1	49	22.52	22.75	22.69	
10	64QAM	25	0	21.81	21.75	21.66	
10	64QAM	25	12	21.78	21.76	21.69	23.5
10	64QAM	25	25	21.78	21.70	21.66	
10	64QAM	50	0	21.79	21.76	21.54	
10	256QAM	1	0	19.99	20.25	20.11	21.5
10	256QAM	1	25	20.19	20.41	20.07	
10	256QAM	1	49	20.03	20.09	19.89	
10	256QAM	25	0	20.16	20.23	20.33	21.5
10	256QAM	25	12	20.11	20.29	20.16	
10	256QAM	25	25	20.20	20.24	20.20	
10	256QAM	50	0	20.09	20.13	20.11	Tune-up limit (dBm)
Channel				37775	38000	38225	
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	24.68	24.69	24.57	26.5
5	QPSK	1	12	24.56	24.77	24.69	
5	QPSK	1	24	24.63	24.64	24.55	
5	QPSK	12	0	23.74	23.74	23.63	25.5
5	QPSK	12	7	23.81	23.69	23.65	
5	QPSK	12	13	23.79	23.70	23.54	
5	QPSK	25	0	23.81	23.68	23.61	25.5
5	16QAM	1	0	23.90	23.87	23.87	
5	16QAM	1	12	23.77	24.08	23.98	
5	16QAM	1	24	23.75	23.78	23.69	24.5
5	16QAM	12	0	22.78	22.69	22.65	
5	16QAM	12	7	22.74	22.65	22.68	
5	16QAM	12	13	22.70	22.69	22.59	24.5
5	16QAM	25	0	22.77	22.70	22.68	
5	64QAM	1	0	22.59	22.92	22.64	
5	64QAM	1	12	22.79	23.08	22.98	23.5
5	64QAM	1	24	22.50	22.74	22.64	
5	64QAM	12	0	21.83	21.77	21.71	
5	64QAM	12	7	21.73	21.75	21.62	21.5
5	64QAM	12	13	21.81	21.67	21.66	
5	64QAM	25	0	21.83	21.73	21.58	
5	256QAM	1	0	20.00	20.17	20.10	21.5
5	256QAM	1	12	20.22	20.48	20.09	
5	256QAM	1	24	20.05	20.06	19.86	
5	256QAM	12	0	20.07	20.13	20.26	21.5
5	256QAM	12	7	20.12	20.29	20.23	
5	256QAM	12	13	20.11	20.18	20.20	
5	256QAM	25	0	20.16	20.20	20.11	



<LTE Band 38_PC2_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	19.90	19.98	19.88	21.5
20	QPSK	1	49	19.87	19.88	19.89	
20	QPSK	1	99	19.86	19.88	19.88	
20	QPSK	50	0	20.01	20.04	19.99	21.5
20	QPSK	50	24	19.98	20.02	19.98	
20	QPSK	50	50	19.96	19.99	19.98	
20	QPSK	100	0	19.95	19.99	19.98	21.5
20	16QAM	1	0	20.38	20.38	20.32	
20	16QAM	1	49	20.24	20.40	20.22	
20	16QAM	1	99	20.18	20.29	20.20	21.5
20	16QAM	50	0	19.98	20.01	19.95	
20	16QAM	50	24	19.96	19.96	19.92	
20	16QAM	50	50	19.93	19.99	19.92	21.5
20	16QAM	100	0	19.98	19.99	19.96	
20	64QAM	1	0	20.18	20.24	20.08	
20	64QAM	1	49	20.25	20.17	20.19	21.5
20	64QAM	1	99	20.10	20.04	20.10	
20	64QAM	50	0	20.01	20.02	19.97	
20	64QAM	50	24	20.00	19.99	19.94	21.5
20	64QAM	50	50	19.98	19.97	19.93	
20	64QAM	100	0	19.97	19.96	19.93	
20	256QAM	1	0	19.73	20.03	19.97	21.5
20	256QAM	1	49	20.01	20.22	19.95	
20	256QAM	1	99	19.82	19.91	19.65	
20	256QAM	50	0	19.88	19.94	20.08	21.5
20	256QAM	50	24	19.90	20.00	20.04	
20	256QAM	50	50	19.92	20.03	19.92	
20	256QAM	100	0	19.89	19.96	19.91	Tune-up limit (dBm)
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	19.80	19.96	19.87	21.5
15	QPSK	1	37	19.85	19.82	19.86	
15	QPSK	1	74	19.83	19.85	19.78	
15	QPSK	36	0	19.93	20.04	19.91	21.5
15	QPSK	36	20	19.92	19.96	19.88	
15	QPSK	36	39	19.93	19.91	19.91	
15	QPSK	75	0	19.95	19.92	19.94	21.5
15	16QAM	1	0	20.38	20.33	20.24	
15	16QAM	1	37	20.21	20.38	20.17	
15	16QAM	1	74	20.14	20.25	20.11	21.5
15	16QAM	36	0	19.92	19.91	19.88	
15	16QAM	36	20	19.90	19.89	19.90	
15	16QAM	36	39	19.83	19.94	19.82	21.5
15	16QAM	75	0	19.97	19.92	19.89	
15	64QAM	1	0	20.12	20.22	20.07	
15	64QAM	1	37	20.18	20.08	20.12	21.5
15	64QAM	1	74	20.02	20.03	20.09	
15	64QAM	36	0	19.98	19.94	19.87	
15	64QAM	36	20	20.00	19.93	19.86	21.5
15	64QAM	36	39	19.89	19.88	19.84	
15	64QAM	75	0	19.93	19.86	19.89	
15	256QAM	1	0	19.69	19.93	19.95	21.5
15	256QAM	1	37	19.96	20.14	19.92	
15	256QAM	1	74	19.78	19.89	19.60	
15	256QAM	36	0	19.81	19.86	19.99	21.5
15	256QAM	36	20	19.88	19.90	19.95	
15	256QAM	36	39	19.84	20.03	19.83	



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Report No. : FA2D0208-01F

15	256QAM	75	0	19.85	19.90	19.91	Tune-up limit (dBm)
Channel				37800	38000	38200	
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	19.85	19.98	19.84	21.5
10	QPSK	1	25	19.82	19.86	19.87	
10	QPSK	1	49	19.80	19.87	19.82	
10	QPSK	25	0	19.93	20.04	19.98	21.5
10	QPSK	25	12	19.95	19.98	19.98	
10	QPSK	25	25	19.95	19.91	19.89	
10	QPSK	50	0	19.95	19.98	19.95	21.5
10	16QAM	1	0	20.38	20.30	20.27	
10	16QAM	1	25	20.22	20.33	20.19	
10	16QAM	1	49	20.18	20.29	20.20	21.5
10	16QAM	25	0	19.89	19.98	19.94	
10	16QAM	25	12	19.87	19.96	19.88	
10	16QAM	25	25	19.85	19.89	19.85	21.5
10	16QAM	50	0	19.92	19.89	19.88	
10	64QAM	1	0	20.13	20.18	20.05	
10	64QAM	1	25	20.24	20.11	20.11	21.5
10	64QAM	1	49	20.10	20.02	20.08	
10	64QAM	25	0	19.93	19.97	19.88	
10	64QAM	25	12	19.99	19.92	19.86	21.5
10	64QAM	25	25	19.94	19.92	19.85	
10	64QAM	50	0	19.94	19.92	19.87	
10	256QAM	1	0	19.65	19.94	19.90	21.5
10	256QAM	1	25	19.98	20.13	19.85	
10	256QAM	1	49	19.81	19.82	19.60	
10	256QAM	25	0	19.81	19.89	19.99	21.5
10	256QAM	25	12	19.88	19.99	20.02	
10	256QAM	25	25	19.92	20.01	19.91	
10	256QAM	50	0	19.80	19.95	19.82	Tune-up limit (dBm)
Channel				37775	38000	38225	
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	19.81	19.91	19.83	21.5
5	QPSK	1	12	19.86	19.87	19.87	
5	QPSK	1	24	19.80	19.87	19.81	
5	QPSK	12	0	20.00	19.96	19.99	21.5
5	QPSK	12	7	19.95	20.01	19.98	
5	QPSK	12	13	19.87	19.89	19.91	
5	QPSK	25	0	19.87	19.95	19.89	21.5
5	16QAM	1	0	20.37	20.31	20.29	
5	16QAM	1	12	20.20	20.36	20.19	
5	16QAM	1	24	20.15	20.26	20.10	21.5
5	16QAM	12	0	19.98	19.91	19.92	
5	16QAM	12	7	19.95	19.93	19.88	
5	16QAM	12	13	19.83	19.90	19.88	21.5
5	16QAM	25	0	19.96	19.99	19.92	
5	64QAM	1	0	20.13	20.18	20.02	
5	64QAM	1	12	20.25	20.13	20.17	21.5
5	64QAM	1	24	20.08	19.99	20.04	
5	64QAM	12	0	19.95	20.00	19.93	
5	64QAM	12	7	20.00	19.93	19.92	21.5
5	64QAM	12	13	19.93	19.89	19.90	
5	64QAM	25	0	19.91	19.96	19.88	
5	256QAM	1	0	19.67	19.96	19.95	21.5
5	256QAM	1	12	19.93	20.16	19.94	
5	256QAM	1	24	19.73	19.88	19.62	
5	256QAM	12	0	19.86	19.93	19.99	21.5
5	256QAM	12	7	19.81	20.00	20.03	
5	256QAM	12	13	19.90	20.01	19.91	
5	256QAM	25	0	19.81	19.95	19.90	



<LTE Band 38_PC2_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	22.63	22.69	22.67	24.2
20	QPSK	1	49	22.59	22.58	22.59	
20	QPSK	1	99	22.59	22.62	22.60	
20	QPSK	50	0	22.67	22.73	22.70	24.2
20	QPSK	50	24	22.67	22.70	22.69	
20	QPSK	50	50	22.63	22.69	22.69	
20	QPSK	100	0	22.64	22.68	22.66	24.2
20	16QAM	1	0	23.06	23.07	23.03	
20	16QAM	1	49	22.91	22.98	22.86	
20	16QAM	1	99	22.99	23.15	22.91	24.2
20	16QAM	50	0	22.68	22.74	22.70	
20	16QAM	50	24	22.63	22.68	22.69	
20	16QAM	50	50	22.61	22.66	22.69	24.2
20	16QAM	100	0	22.67	22.68	22.66	
20	64QAM	1	0	22.88	23.09	22.88	
20	64QAM	1	49	22.84	22.72	22.78	24.2
20	64QAM	1	99	22.75	22.65	22.66	
20	64QAM	50	0	21.70	21.71	21.68	
20	64QAM	50	24	21.69	21.69	21.69	23.2
20	64QAM	50	50	21.67	21.68	21.65	
20	64QAM	100	0	21.69	21.69	21.66	
20	256QAM	1	0	19.90	20.22	20.11	21.2
20	256QAM	1	49	20.19	20.51	20.15	
20	256QAM	1	99	20.01	20.07	19.88	
20	256QAM	50	0	20.12	20.14	20.25	21.2
20	256QAM	50	24	20.17	20.21	20.23	
20	256QAM	50	50	20.20	20.21	20.17	
20	256QAM	100	0	20.16	20.19	20.08	Tune-up limit (dBm)
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	22.53	22.64	22.58	24.2
15	QPSK	1	37	22.55	22.50	22.53	
15	QPSK	1	74	22.57	22.57	22.56	
15	QPSK	36	0	22.66	22.72	22.60	24.2
15	QPSK	36	20	22.63	22.62	22.65	
15	QPSK	36	39	22.56	22.69	22.67	
15	QPSK	75	0	22.55	22.62	22.63	24.2
15	16QAM	1	0	23.05	23.02	22.98	
15	16QAM	1	37	22.88	22.95	22.83	
15	16QAM	1	74	22.98	23.05	22.83	24.2
15	16QAM	36	0	22.58	22.66	22.68	
15	16QAM	36	20	22.62	22.61	22.60	
15	16QAM	36	39	22.53	22.61	22.69	24.2
15	16QAM	75	0	22.58	22.60	22.66	
15	64QAM	1	0	22.79	23.05	22.87	
15	64QAM	1	37	22.81	22.65	22.77	24.2
15	64QAM	1	74	22.74	22.55	22.63	
15	64QAM	36	0	21.60	21.67	21.58	
15	64QAM	36	20	21.66	21.62	21.67	23.2
15	64QAM	36	39	21.58	21.68	21.60	
15	64QAM	75	0	21.64	21.66	21.60	
15	256QAM	1	0	19.81	20.16	20.09	21.2
15	256QAM	1	37	20.11	20.45	20.05	
15	256QAM	1	74	19.94	20.01	19.84	
15	256QAM	36	0	20.10	20.11	20.18	21.2
15	256QAM	36	20	20.13	20.15	20.18	
15	256QAM	36	39	20.15	20.21	20.12	



FCC SAR TEST REPORT

Report No. : FA2D0208-01F

15	256QAM	75	0	20.16	20.10	19.99	Tune-up limit (dBm)
Channel				37800	38000	38200	
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	22.62	22.67	22.65	24.2
10	QPSK	1	25	22.56	22.50	22.54	
10	QPSK	1	49	22.55	22.54	22.53	
10	QPSK	25	0	22.65	22.72	22.70	24.2
10	QPSK	25	12	22.59	22.69	22.59	
10	QPSK	25	25	22.61	22.66	22.66	
10	QPSK	50	0	22.60	22.65	22.63	24.2
10	16QAM	1	0	23.06	23.01	23.02	
10	16QAM	1	25	22.91	22.93	22.86	
10	16QAM	1	49	22.93	23.13	22.86	24.2
10	16QAM	25	0	22.59	22.67	22.66	
10	16QAM	25	12	22.55	22.58	22.59	
10	16QAM	25	25	22.56	22.64	22.60	24.2
10	16QAM	50	0	22.66	22.59	22.64	
10	64QAM	1	0	22.82	23.02	22.79	
10	64QAM	1	25	22.84	22.68	22.77	24.2
10	64QAM	1	49	22.69	22.60	22.64	
10	64QAM	25	0	21.64	21.65	21.60	
10	64QAM	25	12	21.67	21.66	21.67	23.2
10	64QAM	25	25	21.62	21.59	21.61	
10	64QAM	50	0	21.67	21.65	21.63	
10	256QAM	1	0	19.88	20.15	20.06	21.2
10	256QAM	1	25	20.16	20.43	20.06	
10	256QAM	1	49	19.93	20.07	19.85	
10	256QAM	25	0	20.10	20.10	20.19	21.2
10	256QAM	25	12	20.08	20.20	20.19	
10	256QAM	25	25	20.17	20.12	20.17	
10	256QAM	50	0	20.14	20.17	19.98	Tune-up limit (dBm)
Channel				37775	38000	38225	
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	22.58	22.67	22.60	24.2
5	QPSK	1	12	22.59	22.55	22.54	
5	QPSK	1	24	22.55	22.60	22.56	
5	QPSK	12	0	22.63	22.73	22.67	24.2
5	QPSK	12	7	22.65	22.61	22.65	
5	QPSK	12	13	22.60	22.62	22.65	
5	QPSK	25	0	22.63	22.60	22.63	24.2
5	16QAM	1	0	23.01	23.04	23.01	
5	16QAM	1	12	22.90	22.94	22.84	
5	16QAM	1	24	22.96	23.10	22.83	24.2
5	16QAM	12	0	22.67	22.71	22.67	
5	16QAM	12	7	22.63	22.61	22.63	
5	16QAM	12	13	22.56	22.56	22.63	24.2
5	16QAM	25	0	22.63	22.67	22.60	
5	64QAM	1	0	22.78	23.00	22.87	
5	64QAM	1	12	22.81	22.67	22.70	24.2
5	64QAM	1	24	22.67	22.61	22.65	
5	64QAM	12	0	21.61	21.69	21.65	
5	64QAM	12	7	21.64	21.68	21.61	23.2
5	64QAM	12	13	21.61	21.58	21.62	
5	64QAM	25	0	21.69	21.68	21.58	
5	256QAM	1	0	19.82	20.17	20.04	21.2
5	256QAM	1	12	20.11	20.42	20.12	
5	256QAM	1	24	20.01	19.97	19.88	
5	256QAM	12	0	20.03	20.09	20.19	21.2
5	256QAM	12	7	20.07	20.14	20.20	
5	256QAM	12	13	20.13	20.19	20.16	
5	256QAM	25	0	20.14	20.11	20.08	



<LTE Band 38_PC2_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	22.63	22.69	22.67	23.5
20	QPSK	1	49	22.59	22.58	22.59	
20	QPSK	1	99	22.59	22.62	22.60	
20	QPSK	50	0	22.67	22.73	22.70	23.5
20	QPSK	50	24	22.67	22.70	22.69	
20	QPSK	50	50	22.63	22.69	22.69	
20	QPSK	100	0	22.64	22.68	22.66	23.5
20	16QAM	1	0	23.06	23.07	23.03	
20	16QAM	1	49	22.91	22.98	22.86	
20	16QAM	1	99	22.99	23.15	22.91	23.5
20	16QAM	50	0	22.68	22.74	22.70	
20	16QAM	50	24	22.63	22.68	22.69	
20	16QAM	50	50	22.61	22.66	22.69	23.5
20	16QAM	100	0	22.67	22.68	22.66	
20	64QAM	1	0	22.88	23.09	22.88	
20	64QAM	1	49	22.84	22.72	22.78	23.5
20	64QAM	1	99	22.75	22.65	22.66	
20	64QAM	50	0	21.70	21.71	21.68	
20	64QAM	50	24	21.69	21.69	21.69	23.5
20	64QAM	50	50	21.67	21.68	21.65	
20	64QAM	100	0	21.69	21.69	21.66	
20	256QAM	1	0	19.90	20.22	20.11	21.5
20	256QAM	1	49	20.19	20.51	20.15	
20	256QAM	1	99	20.01	20.07	19.88	
20	256QAM	50	0	20.12	20.14	20.25	21.5
20	256QAM	50	24	20.17	20.21	20.23	
20	256QAM	50	50	20.20	20.21	20.17	
20	256QAM	100	0	20.16	20.19	20.08	Tune-up limit (dBm)
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	22.53	22.64	22.58	23.5
15	QPSK	1	37	22.55	22.50	22.53	
15	QPSK	1	74	22.57	22.57	22.56	
15	QPSK	36	0	22.66	22.72	22.60	23.5
15	QPSK	36	20	22.63	22.62	22.65	
15	QPSK	36	39	22.56	22.69	22.67	
15	QPSK	75	0	22.55	22.62	22.63	23.5
15	16QAM	1	0	23.05	23.02	22.98	
15	16QAM	1	37	22.88	22.95	22.83	
15	16QAM	1	74	22.98	23.05	22.83	23.5
15	16QAM	36	0	22.58	22.66	22.68	
15	16QAM	36	20	22.62	22.61	22.60	
15	16QAM	36	39	22.53	22.61	22.69	23.5
15	16QAM	75	0	22.58	22.60	22.66	
15	64QAM	1	0	22.79	23.05	22.87	
15	64QAM	1	37	22.81	22.65	22.77	23.5
15	64QAM	1	74	22.74	22.55	22.63	
15	64QAM	36	0	21.60	21.67	21.58	
15	64QAM	36	20	21.66	21.62	21.67	23.5
15	64QAM	36	39	21.58	21.68	21.60	
15	64QAM	75	0	21.64	21.66	21.60	
15	256QAM	1	0	19.81	20.16	20.09	21.5
15	256QAM	1	37	20.11	20.45	20.05	
15	256QAM	1	74	19.94	20.01	19.84	
15	256QAM	36	0	20.10	20.11	20.18	21.5
15	256QAM	36	20	20.13	20.15	20.18	
15	256QAM	36	39	20.15	20.21	20.12	



FCC SAR TEST REPORT

Report No. : FA2D0208-01F

15	256QAM	75	0	20.16	20.10	19.99	Tune-up limit (dBm)
Channel				37800	38000	38200	
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	22.62	22.67	22.65	23.5
10	QPSK	1	25	22.56	22.50	22.54	
10	QPSK	1	49	22.55	22.54	22.53	
10	QPSK	25	0	22.65	22.72	22.70	23.5
10	QPSK	25	12	22.59	22.69	22.59	
10	QPSK	25	25	22.61	22.66	22.66	
10	QPSK	50	0	22.60	22.65	22.63	23.5
10	16QAM	1	0	23.06	23.01	23.02	
10	16QAM	1	25	22.91	22.93	22.86	
10	16QAM	1	49	22.93	23.13	22.86	23.5
10	16QAM	25	0	22.59	22.67	22.66	
10	16QAM	25	12	22.55	22.58	22.59	
10	16QAM	25	25	22.56	22.64	22.60	23.5
10	16QAM	50	0	22.66	22.59	22.64	
10	64QAM	1	0	22.82	23.02	22.79	
10	64QAM	1	25	22.84	22.68	22.77	23.5
10	64QAM	1	49	22.69	22.60	22.64	
10	64QAM	25	0	21.64	21.65	21.60	
10	64QAM	25	12	21.67	21.66	21.67	23.5
10	64QAM	25	25	21.62	21.59	21.61	
10	64QAM	50	0	21.67	21.65	21.63	
10	256QAM	1	0	19.88	20.15	20.06	21.5
10	256QAM	1	25	20.16	20.43	20.06	
10	256QAM	1	49	19.93	20.07	19.85	
10	256QAM	25	0	20.10	20.10	20.19	21.5
10	256QAM	25	12	20.08	20.20	20.19	
10	256QAM	25	25	20.17	20.12	20.17	
10	256QAM	50	0	20.14	20.17	19.98	Tune-up limit (dBm)
Channel				37775	38000	38225	
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	22.58	22.67	22.60	23.5
5	QPSK	1	12	22.59	22.55	22.54	
5	QPSK	1	24	22.55	22.60	22.56	
5	QPSK	12	0	22.63	22.73	22.67	23.5
5	QPSK	12	7	22.65	22.61	22.65	
5	QPSK	12	13	22.60	22.62	22.65	
5	QPSK	25	0	22.63	22.60	22.63	23.5
5	16QAM	1	0	23.01	23.04	23.01	
5	16QAM	1	12	22.90	22.94	22.84	
5	16QAM	1	24	22.96	23.10	22.83	23.5
5	16QAM	12	0	22.67	22.71	22.67	
5	16QAM	12	7	22.63	22.61	22.63	
5	16QAM	12	13	22.56	22.56	22.63	23.5
5	16QAM	25	0	22.63	22.67	22.60	
5	64QAM	1	0	22.78	23.00	22.87	
5	64QAM	1	12	22.81	22.67	22.70	23.5
5	64QAM	1	24	22.67	22.61	22.65	
5	64QAM	12	0	21.61	21.69	21.65	
5	64QAM	12	7	21.64	21.68	21.61	23.5
5	64QAM	12	13	21.61	21.58	21.62	
5	64QAM	25	0	21.69	21.68	21.58	
5	256QAM	1	0	19.82	20.17	20.04	21.5
5	256QAM	1	12	20.11	20.42	20.12	
5	256QAM	1	24	20.01	19.97	19.88	
5	256QAM	12	0	20.03	20.09	20.19	21.5
5	256QAM	12	7	20.07	20.14	20.20	
5	256QAM	12	13	20.13	20.19	20.16	
5	256QAM	25	0	20.14	20.11	20.08	



<LTE Band 38_PC3_Ant 2_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				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	22.74	22.86	22.64	23.9
20	QPSK	1	49	22.71	22.85	22.69	
20	QPSK	1	99	22.72	22.64	22.59	
20	QPSK	50	0	21.80	21.81	21.64	22.9
20	QPSK	50	24	21.79	21.78	21.62	
20	QPSK	50	50	21.79	21.74	21.61	
20	QPSK	100	0	21.79	21.80	21.60	22.9
20	16QAM	1	0	21.79	21.68	21.62	
20	16QAM	1	49	21.78	21.67	21.65	
20	16QAM	1	99	21.73	21.59	21.45	21.9
20	16QAM	50	0	20.79	20.70	20.59	
20	16QAM	50	24	20.79	20.70	20.59	
20	16QAM	50	50	20.76	20.66	20.57	21.9
20	16QAM	100	0	20.78	20.69	20.60	
20	64QAM	1	0	20.42	20.54	20.32	
20	64QAM	1	49	20.38	20.50	20.38	20.9
20	64QAM	1	99	20.31	20.48	20.22	
20	64QAM	50	0	19.77	19.71	19.59	
20	64QAM	50	24	19.79	19.69	19.57	18.9
20	64QAM	50	50	19.76	19.66	19.55	
20	64QAM	100	0	19.72	19.68	19.57	
20	256QAM	1	0	17.88	17.90	17.86	18.9
20	256QAM	1	49	17.87	17.78	17.85	
20	256QAM	1	99	17.79	17.67	17.83	
20	256QAM	50	0	18.07	18.11	18.06	18.9
20	256QAM	50	24	18.05	18.02	17.96	
20	256QAM	50	50	18.01	17.94	17.89	
20	256QAM	100	0	17.98	17.97	17.92	Tune-up limit (dBm)
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	22.66	22.73	22.64	23.9
15	QPSK	1	37	22.85	22.85	22.80	
15	QPSK	1	74	22.79	22.72	22.61	
15	QPSK	36	0	21.81	21.75	21.63	22.9
15	QPSK	36	20	21.76	21.69	21.59	
15	QPSK	36	39	21.76	21.70	21.62	
15	QPSK	75	0	21.80	21.76	21.60	22.9
15	16QAM	1	0	21.67	21.82	21.67	
15	16QAM	1	37	21.60	21.75	21.64	
15	16QAM	1	74	21.69	21.80	21.50	21.9
15	16QAM	36	0	20.74	20.67	20.56	
15	16QAM	36	20	20.74	20.67	20.55	
15	16QAM	36	39	20.71	20.68	20.57	21.9
15	16QAM	75	0	20.80	20.69	20.62	
15	64QAM	1	0	20.79	20.58	20.46	
15	64QAM	1	37	20.78	20.65	20.53	20.9
15	64QAM	1	74	20.56	20.58	20.43	
15	64QAM	36	0	19.74	19.72	19.62	
15	64QAM	36	20	19.77	19.68	19.60	18.9
15	64QAM	36	39	19.75	19.68	19.59	
15	64QAM	75	0	19.73	19.71	19.61	
15	256QAM	1	0	17.89	17.83	17.90	18.9
15	256QAM	1	37	17.63	17.70	17.71	
15	256QAM	1	74	17.61	17.66	17.60	
15	256QAM	36	0	17.90	17.97	17.99	18.9
15	256QAM	36	20	17.96	17.95	17.91	
15	256QAM	36	39	17.80	17.90	17.85	



FCC SAR TEST REPORT

Report No. : FA2D0208-01F

15	256QAM	75	0	17.83	17.95	17.80	Tune-up limit (dBm)
Channel				37800	38000	38200	
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	22.72	22.81	22.73	23.9
10	QPSK	1	25	22.82	22.77	22.72	
10	QPSK	1	49	22.85	22.81	22.73	
10	QPSK	25	0	21.89	21.84	21.70	22.9
10	QPSK	25	12	21.86	21.77	21.68	
10	QPSK	25	25	21.86	21.82	21.70	
10	QPSK	50	0	21.87	21.84	21.68	
10	16QAM	1	0	21.66	21.64	21.64	22.9
10	16QAM	1	25	21.53	21.37	21.44	
10	16QAM	1	49	21.66	21.61	21.53	
10	16QAM	25	0	20.90	20.85	20.72	21.9
10	16QAM	25	12	20.88	20.82	20.71	
10	16QAM	25	25	20.89	20.85	20.72	
10	16QAM	50	0	20.83	20.83	20.69	
10	64QAM	1	0	20.75	20.59	20.43	21.9
10	64QAM	1	25	20.72	20.57	20.58	
10	64QAM	1	49	20.58	20.62	20.53	
10	64QAM	25	0	19.85	19.82	19.70	20.9
10	64QAM	25	12	19.88	19.78	19.65	
10	64QAM	25	25	19.85	19.78	19.68	
10	64QAM	50	0	19.82	19.82	19.68	
10	256QAM	1	0	17.89	17.78	17.98	18.9
10	256QAM	1	25	17.71	17.69	17.65	
10	256QAM	1	49	17.60	17.62	17.53	
10	256QAM	25	0	17.89	18.02	17.98	18.9
10	256QAM	25	12	17.93	17.91	17.85	
10	256QAM	25	25	17.91	17.87	17.79	
10	256QAM	50	0	17.80	17.92	17.81	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	22.71	22.74	22.68	23.9
5	QPSK	1	12	22.85	22.85	22.81	
5	QPSK	1	24	22.86	22.74	22.71	
5	QPSK	12	0	21.78	21.73	21.64	22.9
5	QPSK	12	7	21.79	21.74	21.64	
5	QPSK	12	13	21.76	21.73	21.66	
5	QPSK	25	0	21.85	21.80	21.67	
5	16QAM	1	0	21.77	21.69	21.61	22.9
5	16QAM	1	12	21.81	21.71	21.66	
5	16QAM	1	24	21.88	21.69	21.53	
5	16QAM	12	0	20.71	20.66	20.57	21.9
5	16QAM	12	7	20.73	20.67	20.55	
5	16QAM	12	13	20.70	20.68	20.59	
5	16QAM	25	0	20.87	20.81	20.72	
5	64QAM	1	0	20.61	20.63	20.42	21.9
5	64QAM	1	12	20.69	20.61	20.52	
5	64QAM	1	24	20.51	20.60	20.44	
5	64QAM	12	0	19.74	19.71	19.66	20.9
5	64QAM	12	7	19.79	19.70	19.65	
5	64QAM	12	13	19.74	19.69	19.65	
5	64QAM	25	0	19.79	19.77	19.67	
5	256QAM	1	0	17.85	17.82	17.91	18.9
5	256QAM	1	12	17.60	17.71	17.68	
5	256QAM	1	24	17.57	17.59	17.52	
5	256QAM	12	0	17.91	17.99	17.95	18.9
5	256QAM	12	7	17.92	17.95	17.88	
5	256QAM	12	13	17.85	17.93	17.82	
5	256QAM	25	0	17.89	17.94	17.90	



<LTE Band 38_PC3_Ant 2_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				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	22.74	22.86	22.64	23.3
20	QPSK	1	49	22.71	22.85	22.69	
20	QPSK	1	99	22.72	22.64	22.59	
20	QPSK	50	0	21.80	21.81	21.64	22.3
20	QPSK	50	24	21.79	21.78	21.62	
20	QPSK	50	50	21.79	21.74	21.61	
20	QPSK	100	0	21.79	21.80	21.60	22.3
20	16QAM	1	0	21.79	21.68	21.62	
20	16QAM	1	49	21.78	21.67	21.65	
20	16QAM	1	99	21.73	21.59	21.45	21.3
20	16QAM	50	0	20.79	20.70	20.59	
20	16QAM	50	24	20.79	20.70	20.59	
20	16QAM	50	50	20.76	20.66	20.57	21.3
20	16QAM	100	0	20.78	20.69	20.60	
20	64QAM	1	0	20.42	20.54	20.32	
20	64QAM	1	49	20.38	20.50	20.38	20.3
20	64QAM	1	99	20.31	20.48	20.22	
20	64QAM	50	0	19.77	19.71	19.59	
20	64QAM	50	24	19.79	19.69	19.57	18.3
20	64QAM	50	50	19.76	19.66	19.55	
20	64QAM	100	0	19.72	19.68	19.57	
20	256QAM	1	0	17.88	17.90	17.86	18.3
20	256QAM	1	49	17.87	17.78	17.85	
20	256QAM	1	99	17.79	17.67	17.83	
20	256QAM	50	0	18.07	18.11	18.06	18.3
20	256QAM	50	24	18.05	18.02	17.96	
20	256QAM	50	50	18.01	17.94	17.89	
20	256QAM	100	0	17.98	17.97	17.92	23.3
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	22.66	22.73	22.64	23.3
15	QPSK	1	37	22.85	22.85	22.80	
15	QPSK	1	74	22.79	22.72	22.61	
15	QPSK	36	0	21.81	21.75	21.63	22.3
15	QPSK	36	20	21.76	21.69	21.59	
15	QPSK	36	39	21.76	21.70	21.62	
15	QPSK	75	0	21.80	21.76	21.60	22.3
15	16QAM	1	0	21.67	21.82	21.67	
15	16QAM	1	37	21.60	21.75	21.64	
15	16QAM	1	74	21.69	21.80	21.50	21.3
15	16QAM	36	0	20.74	20.67	20.56	
15	16QAM	36	20	20.74	20.67	20.55	
15	16QAM	36	39	20.71	20.68	20.57	21.3
15	16QAM	75	0	20.80	20.69	20.62	
15	64QAM	1	0	20.79	20.58	20.46	
15	64QAM	1	37	20.78	20.65	20.53	20.3
15	64QAM	1	74	20.56	20.58	20.43	
15	64QAM	36	0	19.74	19.72	19.62	
15	64QAM	36	20	19.77	19.68	19.60	18.3
15	64QAM	36	39	19.75	19.68	19.59	
15	64QAM	75	0	19.73	19.71	19.61	
15	256QAM	1	0	17.89	17.83	17.90	18.3
15	256QAM	1	37	17.63	17.70	17.71	
15	256QAM	1	74	17.61	17.66	17.60	
15	256QAM	36	0	17.90	17.97	17.99	18.3
15	256QAM	36	20	17.96	17.95	17.91	
15	256QAM	36	39	17.80	17.90	17.85	



FCC SAR TEST REPORT

Report No. : FA2D0208-01F

15	256QAM	75	0	17.83	17.95	17.80	Tune-up limit (dBm)
Channel				37800	38000	38200	
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	22.72	22.81	22.73	23.3
10	QPSK	1	25	22.82	22.77	22.72	
10	QPSK	1	49	22.85	22.81	22.73	
10	QPSK	25	0	21.89	21.84	21.70	22.3
10	QPSK	25	12	21.86	21.77	21.68	
10	QPSK	25	25	21.86	21.82	21.70	
10	QPSK	50	0	21.87	21.84	21.68	
10	16QAM	1	0	21.66	21.64	21.64	22.3
10	16QAM	1	25	21.53	21.37	21.44	
10	16QAM	1	49	21.66	21.61	21.53	
10	16QAM	25	0	20.90	20.85	20.72	21.3
10	16QAM	25	12	20.88	20.82	20.71	
10	16QAM	25	25	20.89	20.85	20.72	
10	16QAM	50	0	20.83	20.83	20.69	
10	64QAM	1	0	20.75	20.59	20.43	21.3
10	64QAM	1	25	20.72	20.57	20.58	
10	64QAM	1	49	20.58	20.62	20.53	
10	64QAM	25	0	19.85	19.82	19.70	20.3
10	64QAM	25	12	19.88	19.78	19.65	
10	64QAM	25	25	19.85	19.78	19.68	
10	64QAM	50	0	19.82	19.82	19.68	
10	256QAM	1	0	17.89	17.78	17.98	18.3
10	256QAM	1	25	17.71	17.69	17.65	
10	256QAM	1	49	17.60	17.62	17.53	
10	256QAM	25	0	17.89	18.02	17.98	18.3
10	256QAM	25	12	17.93	17.91	17.85	
10	256QAM	25	25	17.91	17.87	17.79	
10	256QAM	50	0	17.80	17.92	17.81	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	22.71	22.74	22.68	23.3
5	QPSK	1	12	22.85	22.85	22.81	
5	QPSK	1	24	22.86	22.74	22.71	
5	QPSK	12	0	21.78	21.73	21.64	22.3
5	QPSK	12	7	21.79	21.74	21.64	
5	QPSK	12	13	21.76	21.73	21.66	
5	QPSK	25	0	21.85	21.80	21.67	
5	16QAM	1	0	21.77	21.69	21.61	22.3
5	16QAM	1	12	21.81	21.71	21.66	
5	16QAM	1	24	21.88	21.69	21.53	
5	16QAM	12	0	20.71	20.66	20.57	21.3
5	16QAM	12	7	20.73	20.67	20.55	
5	16QAM	12	13	20.70	20.68	20.59	
5	16QAM	25	0	20.87	20.81	20.72	
5	64QAM	1	0	20.61	20.63	20.42	21.3
5	64QAM	1	12	20.69	20.61	20.52	
5	64QAM	1	24	20.51	20.60	20.44	
5	64QAM	12	0	19.74	19.71	19.66	20.3
5	64QAM	12	7	19.79	19.70	19.65	
5	64QAM	12	13	19.74	19.69	19.65	
5	64QAM	25	0	19.79	19.77	19.67	
5	256QAM	1	0	17.85	17.82	17.91	18.3
5	256QAM	1	12	17.60	17.71	17.68	
5	256QAM	1	24	17.57	17.59	17.52	
5	256QAM	12	0	17.91	17.99	17.95	18.3
5	256QAM	12	7	17.92	17.95	17.88	
5	256QAM	12	13	17.85	17.93	17.82	
5	256QAM	25	0	17.89	17.94	17.90	



<LTE Band 38_PC3_Ant 2_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	20.83	20.86	20.80	21.2
20	QPSK	1	49	20.77	20.78	20.70	
20	QPSK	1	99	20.77	20.78	20.71	
20	QPSK	50	0	20.91	20.90	20.84	21.2
20	QPSK	50	24	20.88	20.89	20.83	
20	QPSK	50	50	20.87	20.87	20.81	
20	QPSK	100	0	20.86	20.88	20.82	21.2
20	16QAM	1	0	20.90	20.98	20.93	
20	16QAM	1	49	20.81	20.82	20.77	
20	16QAM	1	99	20.86	20.90	20.85	21.2
20	16QAM	50	0	20.68	20.67	20.61	
20	16QAM	50	24	20.66	20.65	20.59	
20	16QAM	50	50	20.64	20.65	20.59	21.2
20	16QAM	100	0	20.66	20.68	20.61	
20	64QAM	1	0	20.44	20.49	20.51	
20	64QAM	1	49	20.46	20.36	20.42	21.2
20	64QAM	1	99	20.42	20.35	20.32	
20	64QAM	50	0	19.66	19.67	19.61	
20	64QAM	50	24	19.66	19.66	19.59	20.7
20	64QAM	50	50	19.66	19.63	19.55	
20	64QAM	100	0	19.65	19.67	19.57	
20	256QAM	1	0	17.88	17.82	17.79	18.7
20	256QAM	1	49	17.84	17.77	17.82	
20	256QAM	1	99	17.75	17.63	17.81	
20	256QAM	50	0	18.07	18.10	18.03	18.7
20	256QAM	50	24	18.02	17.96	17.87	
20	256QAM	50	50	17.99	17.94	17.83	
20	256QAM	100	0	17.94	17.95	17.85	Tune-up limit (dBm)
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	20.83	20.81	20.77	21.2
15	QPSK	1	37	20.71	20.70	20.63	
15	QPSK	1	74	20.69	20.78	20.70	
15	QPSK	36	0	20.87	20.82	20.74	21.2
15	QPSK	36	20	20.88	20.79	20.83	
15	QPSK	36	39	20.79	20.84	20.77	
15	QPSK	75	0	20.83	20.85	20.81	21.2
15	16QAM	1	0	20.89	20.89	20.86	
15	16QAM	1	37	20.80	20.82	20.68	
15	16QAM	1	74	20.80	20.84	20.80	21.2
15	16QAM	36	0	20.64	20.59	20.58	
15	16QAM	36	20	20.58	20.64	20.59	
15	16QAM	36	39	20.60	20.60	20.50	21.2
15	16QAM	75	0	20.62	20.67	20.57	
15	64QAM	1	0	20.36	20.40	20.46	
15	64QAM	1	37	20.38	20.31	20.35	21.2
15	64QAM	1	74	20.39	20.26	20.22	
15	64QAM	36	0	19.64	19.62	19.58	
15	64QAM	36	20	19.57	19.63	19.54	20.7
15	64QAM	36	39	19.56	19.58	19.53	
15	64QAM	75	0	19.64	19.67	19.50	
15	256QAM	1	0	17.79	17.72	17.75	18.7
15	256QAM	1	37	17.75	17.71	17.82	
15	256QAM	1	74	17.70	17.55	17.77	
15	256QAM	36	0	18.07	18.10	17.94	18.7
15	256QAM	36	20	17.92	17.88	17.82	
15	256QAM	36	39	17.97	17.91	17.81	



FCC SAR TEST REPORT

Report No. : FA2D0208-01F

15	256QAM	75	0	17.85	17.94	17.77	Tune-up limit (dBm)
Channel				37800	38000	38200	
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	20.75	20.80	20.70	21.2
10	QPSK	1	25	20.77	20.77	20.65	
10	QPSK	1	49	20.75	20.68	20.65	
10	QPSK	25	0	20.84	20.80	20.78	21.2
10	QPSK	25	12	20.82	20.89	20.81	
10	QPSK	25	25	20.77	20.79	20.71	
10	QPSK	50	0	20.78	20.83	20.78	
10	16QAM	1	0	20.85	20.93	20.91	21.2
10	16QAM	1	25	20.78	20.79	20.76	
10	16QAM	1	49	20.82	20.89	20.77	
10	16QAM	25	0	20.62	20.60	20.52	21.2
10	16QAM	25	12	20.66	20.65	20.55	
10	16QAM	25	25	20.60	20.63	20.59	
10	16QAM	50	0	20.63	20.62	20.61	
10	64QAM	1	0	20.44	20.47	20.50	21.2
10	64QAM	1	25	20.46	20.29	20.36	
10	64QAM	1	49	20.39	20.30	20.22	
10	64QAM	25	0	19.56	19.67	19.54	20.7
10	64QAM	25	12	19.63	19.64	19.58	
10	64QAM	25	25	19.64	19.62	19.52	
10	64QAM	50	0	19.65	19.62	19.55	
10	256QAM	1	0	17.86	17.76	17.69	18.7
10	256QAM	1	25	17.79	17.70	17.81	
10	256QAM	1	49	17.66	17.63	17.72	
10	256QAM	25	0	17.99	18.02	17.99	18.7
10	256QAM	25	12	18.01	17.95	17.85	
10	256QAM	25	25	17.98	17.86	17.81	
10	256QAM	50	0	17.90	17.92	17.79	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	20.81	20.79	20.77	21.2
5	QPSK	1	12	20.72	20.71	20.62	
5	QPSK	1	24	20.76	20.68	20.71	
5	QPSK	12	0	20.82	20.81	20.80	21.2
5	QPSK	12	7	20.85	20.82	20.80	
5	QPSK	12	13	20.79	20.84	20.78	
5	QPSK	25	0	20.78	20.79	20.82	
5	16QAM	1	0	20.90	20.94	20.91	21.2
5	16QAM	1	12	20.76	20.77	20.77	
5	16QAM	1	24	20.83	20.85	20.77	
5	16QAM	12	0	20.59	20.58	20.58	21.2
5	16QAM	12	7	20.57	20.57	20.51	
5	16QAM	12	13	20.57	20.55	20.50	
5	16QAM	25	0	20.58	20.66	20.52	
5	64QAM	1	0	20.39	20.40	20.49	21.2
5	64QAM	1	12	20.42	20.36	20.40	
5	64QAM	1	24	20.39	20.34	20.24	
5	64QAM	12	0	19.66	19.61	19.57	20.7
5	64QAM	12	7	19.63	19.61	19.58	
5	64QAM	12	13	19.58	19.61	19.46	
5	64QAM	25	0	19.55	19.67	19.51	
5	256QAM	1	0	17.81	17.81	17.76	18.7
5	256QAM	1	12	17.79	17.77	17.78	
5	256QAM	1	24	17.71	17.56	17.71	
5	256QAM	12	0	17.99	18.00	17.98	18.7
5	256QAM	12	7	18.00	17.94	17.77	
5	256QAM	12	13	17.90	17.90	17.80	
5	256QAM	25	0	17.88	17.93	17.81	



<LTE Band 38_PC3_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	20.83	20.86	20.80	22.3
20	QPSK	1	49	20.77	20.78	20.70	
20	QPSK	1	99	20.77	20.78	20.71	
20	QPSK	50	0	20.91	20.90	20.84	22.3
20	QPSK	50	24	20.88	20.89	20.83	
20	QPSK	50	50	20.87	20.87	20.81	
20	QPSK	100	0	20.86	20.88	20.82	22.3
20	16QAM	1	0	20.90	20.98	20.93	
20	16QAM	1	49	20.81	20.82	20.77	
20	16QAM	1	99	20.86	20.90	20.85	21.8
20	16QAM	50	0	20.68	20.67	20.61	
20	16QAM	50	24	20.66	20.65	20.59	
20	16QAM	50	50	20.64	20.65	20.59	21.8
20	16QAM	100	0	20.66	20.68	20.61	
20	64QAM	1	0	20.44	20.49	20.51	
20	64QAM	1	49	20.46	20.36	20.42	20.8
20	64QAM	1	99	20.42	20.35	20.32	
20	64QAM	50	0	19.66	19.67	19.61	
20	64QAM	50	24	19.66	19.66	19.59	18.8
20	64QAM	50	50	19.66	19.63	19.55	
20	64QAM	100	0	19.65	19.67	19.57	
20	256QAM	1	0	17.88	17.82	17.79	18.8
20	256QAM	1	49	17.84	17.77	17.82	
20	256QAM	1	99	17.75	17.63	17.81	
20	256QAM	50	0	18.07	18.10	18.03	18.8
20	256QAM	50	24	18.02	17.96	17.87	
20	256QAM	50	50	17.99	17.94	17.83	
20	256QAM	100	0	17.94	17.95	17.85	22.3
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	20.83	20.81	20.77	22.3
15	QPSK	1	37	20.71	20.70	20.63	
15	QPSK	1	74	20.69	20.78	20.70	
15	QPSK	36	0	20.87	20.82	20.74	22.3
15	QPSK	36	20	20.88	20.79	20.83	
15	QPSK	36	39	20.79	20.84	20.77	
15	QPSK	75	0	20.83	20.85	20.81	22.3
15	16QAM	1	0	20.89	20.89	20.86	
15	16QAM	1	37	20.80	20.82	20.68	
15	16QAM	1	74	20.80	20.84	20.80	21.8
15	16QAM	36	0	20.64	20.59	20.58	
15	16QAM	36	20	20.58	20.64	20.59	
15	16QAM	36	39	20.60	20.60	20.50	21.8
15	16QAM	75	0	20.62	20.67	20.57	
15	64QAM	1	0	20.36	20.40	20.46	
15	64QAM	1	37	20.38	20.31	20.35	20.8
15	64QAM	1	74	20.39	20.26	20.22	
15	64QAM	36	0	19.64	19.62	19.58	
15	64QAM	36	20	19.57	19.63	19.54	18.8
15	64QAM	36	39	19.56	19.58	19.53	
15	64QAM	75	0	19.64	19.67	19.50	
15	256QAM	1	0	17.79	17.72	17.75	18.8
15	256QAM	1	37	17.75	17.71	17.82	
15	256QAM	1	74	17.70	17.55	17.77	
15	256QAM	36	0	18.07	18.10	17.94	18.8
15	256QAM	36	20	17.92	17.88	17.82	
15	256QAM	36	39	17.97	17.91	17.81	



FCC SAR TEST REPORT

Report No. : FA2D0208-01F

15	256QAM	75	0	17.85	17.94	17.77	Tune-up limit (dBm)
Channel				37800	38000	38200	
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	20.75	20.80	20.70	22.3
10	QPSK	1	25	20.77	20.77	20.65	
10	QPSK	1	49	20.75	20.68	20.65	
10	QPSK	25	0	20.84	20.80	20.78	22.3
10	QPSK	25	12	20.82	20.89	20.81	
10	QPSK	25	25	20.77	20.79	20.71	
10	QPSK	50	0	20.78	20.83	20.78	
10	16QAM	1	0	20.85	20.93	20.91	22.3
10	16QAM	1	25	20.78	20.79	20.76	
10	16QAM	1	49	20.82	20.89	20.77	
10	16QAM	25	0	20.62	20.60	20.52	21.8
10	16QAM	25	12	20.66	20.65	20.55	
10	16QAM	25	25	20.60	20.63	20.59	
10	16QAM	50	0	20.63	20.62	20.61	
10	64QAM	1	0	20.44	20.47	20.50	21.8
10	64QAM	1	25	20.46	20.29	20.36	
10	64QAM	1	49	20.39	20.30	20.22	
10	64QAM	25	0	19.56	19.67	19.54	20.8
10	64QAM	25	12	19.63	19.64	19.58	
10	64QAM	25	25	19.64	19.62	19.52	
10	64QAM	50	0	19.65	19.62	19.55	
10	256QAM	1	0	17.86	17.76	17.69	18.8
10	256QAM	1	25	17.79	17.70	17.81	
10	256QAM	1	49	17.66	17.63	17.72	
10	256QAM	25	0	17.99	18.02	17.99	18.8
10	256QAM	25	12	18.01	17.95	17.85	
10	256QAM	25	25	17.98	17.86	17.81	
10	256QAM	50	0	17.90	17.92	17.79	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	20.81	20.79	20.77	22.3
5	QPSK	1	12	20.72	20.71	20.62	
5	QPSK	1	24	20.76	20.68	20.71	
5	QPSK	12	0	20.82	20.81	20.80	22.3
5	QPSK	12	7	20.85	20.82	20.80	
5	QPSK	12	13	20.79	20.84	20.78	
5	QPSK	25	0	20.78	20.79	20.82	
5	16QAM	1	0	20.90	20.94	20.91	22.3
5	16QAM	1	12	20.76	20.77	20.77	
5	16QAM	1	24	20.83	20.85	20.77	
5	16QAM	12	0	20.59	20.58	20.58	21.8
5	16QAM	12	7	20.57	20.57	20.51	
5	16QAM	12	13	20.57	20.55	20.50	
5	16QAM	25	0	20.58	20.66	20.52	
5	64QAM	1	0	20.39	20.40	20.49	21.8
5	64QAM	1	12	20.42	20.36	20.40	
5	64QAM	1	24	20.39	20.34	20.24	
5	64QAM	12	0	19.66	19.61	19.57	20.8
5	64QAM	12	7	19.63	19.61	19.58	
5	64QAM	12	13	19.58	19.61	19.46	
5	64QAM	25	0	19.55	19.67	19.51	
5	256QAM	1	0	17.81	17.81	17.76	18.8
5	256QAM	1	12	17.79	17.77	17.78	
5	256QAM	1	24	17.71	17.56	17.71	
5	256QAM	12	0	17.99	18.00	17.98	18.8
5	256QAM	12	7	18.00	17.94	17.77	
5	256QAM	12	13	17.90	17.90	17.80	
5	256QAM	25	0	17.88	17.93	17.81	



<LTE Band 38_PC3_Ant 2_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	20.83	20.86	20.80	
20	QPSK	1	49	20.77	20.78	20.70	21.6
20	QPSK	1	99	20.77	20.78	20.71	
20	QPSK	50	0	20.91	20.90	20.84	
20	QPSK	50	24	20.88	20.89	20.83	21.6
20	QPSK	50	50	20.87	20.87	20.81	
20	QPSK	100	0	20.86	20.88	20.82	
20	16QAM	1	0	20.90	20.98	20.93	21.6
20	16QAM	1	49	20.81	20.82	20.77	
20	16QAM	1	99	20.86	20.90	20.85	
20	16QAM	50	0	20.68	20.67	20.61	21.6
20	16QAM	50	24	20.66	20.65	20.59	
20	16QAM	50	50	20.64	20.65	20.59	
20	16QAM	100	0	20.66	20.68	20.61	21.6
20	64QAM	1	0	20.44	20.49	20.51	
20	64QAM	1	49	20.46	20.36	20.42	
20	64QAM	1	99	20.42	20.35	20.32	20.6
20	64QAM	50	0	19.66	19.67	19.61	
20	64QAM	50	24	19.66	19.66	19.59	
20	64QAM	50	50	19.66	19.63	19.55	18.6
20	64QAM	100	0	19.65	19.67	19.57	
20	256QAM	1	0	17.88	17.82	17.79	
20	256QAM	1	49	17.84	17.77	17.82	18.6
20	256QAM	1	99	17.75	17.63	17.81	
20	256QAM	50	0	18.07	18.10	18.03	18.6
20	256QAM	50	24	18.02	17.96	17.87	
20	256QAM	50	50	17.99	17.94	17.83	
20	256QAM	100	0	17.94	17.95	17.85	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	20.83	20.81	20.77	
15	QPSK	1	37	20.71	20.70	20.63	21.6
15	QPSK	1	74	20.69	20.78	20.70	
15	QPSK	36	0	20.87	20.82	20.74	21.6
15	QPSK	36	20	20.88	20.79	20.83	
15	QPSK	36	39	20.79	20.84	20.77	
15	QPSK	75	0	20.83	20.85	20.81	21.6
15	16QAM	1	0	20.89	20.89	20.86	
15	16QAM	1	37	20.80	20.82	20.68	
15	16QAM	1	74	20.80	20.84	20.80	21.6
15	16QAM	36	0	20.64	20.59	20.58	
15	16QAM	36	20	20.58	20.64	20.59	
15	16QAM	36	39	20.60	20.60	20.50	21.6
15	16QAM	75	0	20.62	20.67	20.57	
15	64QAM	1	0	20.36	20.40	20.46	
15	64QAM	1	37	20.38	20.31	20.35	20.6
15	64QAM	1	74	20.39	20.26	20.22	
15	64QAM	36	0	19.64	19.62	19.58	
15	64QAM	36	20	19.57	19.63	19.54	18.6
15	64QAM	36	39	19.56	19.58	19.53	
15	64QAM	75	0	19.64	19.67	19.50	
15	256QAM	1	0	17.79	17.72	17.75	18.6
15	256QAM	1	37	17.75	17.71	17.82	
15	256QAM	1	74	17.70	17.55	17.77	
15	256QAM	36	0	18.07	18.10	17.94	18.6
15	256QAM	36	20	17.92	17.88	17.82	
15	256QAM	36	39	17.97	17.91	17.81	



FCC SAR TEST REPORT

Report No. : FA2D0208-01F

15	256QAM	75	0	17.85	17.94	17.77	Tune-up limit (dBm)
Channel				37800	38000	38200	
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	20.75	20.80	20.70	21.6
10	QPSK	1	25	20.77	20.77	20.65	
10	QPSK	1	49	20.75	20.68	20.65	
10	QPSK	25	0	20.84	20.80	20.78	21.6
10	QPSK	25	12	20.82	20.89	20.81	
10	QPSK	25	25	20.77	20.79	20.71	
10	QPSK	50	0	20.78	20.83	20.78	
10	16QAM	1	0	20.85	20.93	20.91	21.6
10	16QAM	1	25	20.78	20.79	20.76	
10	16QAM	1	49	20.82	20.89	20.77	
10	16QAM	25	0	20.62	20.60	20.52	21.6
10	16QAM	25	12	20.66	20.65	20.55	
10	16QAM	25	25	20.60	20.63	20.59	
10	16QAM	50	0	20.63	20.62	20.61	
10	64QAM	1	0	20.44	20.47	20.50	21.6
10	64QAM	1	25	20.46	20.29	20.36	
10	64QAM	1	49	20.39	20.30	20.22	
10	64QAM	25	0	19.56	19.67	19.54	20.6
10	64QAM	25	12	19.63	19.64	19.58	
10	64QAM	25	25	19.64	19.62	19.52	
10	64QAM	50	0	19.65	19.62	19.55	
10	256QAM	1	0	17.86	17.76	17.69	18.6
10	256QAM	1	25	17.79	17.70	17.81	
10	256QAM	1	49	17.66	17.63	17.72	
10	256QAM	25	0	17.99	18.02	17.99	18.6
10	256QAM	25	12	18.01	17.95	17.85	
10	256QAM	25	25	17.98	17.86	17.81	
10	256QAM	50	0	17.90	17.92	17.79	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	20.81	20.79	20.77	21.6
5	QPSK	1	12	20.72	20.71	20.62	
5	QPSK	1	24	20.76	20.68	20.71	
5	QPSK	12	0	20.82	20.81	20.80	21.6
5	QPSK	12	7	20.85	20.82	20.80	
5	QPSK	12	13	20.79	20.84	20.78	
5	QPSK	25	0	20.78	20.79	20.82	
5	16QAM	1	0	20.90	20.94	20.91	21.6
5	16QAM	1	12	20.76	20.77	20.77	
5	16QAM	1	24	20.83	20.85	20.77	
5	16QAM	12	0	20.59	20.58	20.58	21.6
5	16QAM	12	7	20.57	20.57	20.51	
5	16QAM	12	13	20.57	20.55	20.50	
5	16QAM	25	0	20.58	20.66	20.52	
5	64QAM	1	0	20.39	20.40	20.49	21.6
5	64QAM	1	12	20.42	20.36	20.40	
5	64QAM	1	24	20.39	20.34	20.24	
5	64QAM	12	0	19.66	19.61	19.57	20.6
5	64QAM	12	7	19.63	19.61	19.58	
5	64QAM	12	13	19.58	19.61	19.46	
5	64QAM	25	0	19.55	19.67	19.51	
5	256QAM	1	0	17.81	17.81	17.76	18.6
5	256QAM	1	12	17.79	17.77	17.78	
5	256QAM	1	24	17.71	17.56	17.71	
5	256QAM	12	0	17.99	18.00	17.98	18.6
5	256QAM	12	7	18.00	17.94	17.77	
5	256QAM	12	13	17.90	17.90	17.80	
5	256QAM	25	0	17.88	17.93	17.81	



<LTE Band 38_PC2_Ant 2_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				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	24.15	24.15	24.09	25.6
20	QPSK	1	49	24.18	24.12	24.06	
20	QPSK	1	99	24.10	24.10	24.04	
20	QPSK	50	0	24.26	24.23	24.14	25.6
20	QPSK	50	24	24.23	24.21	24.14	
20	QPSK	50	50	24.20	24.18	24.13	
20	QPSK	100	0	24.22	24.21	24.13	25.6
20	16QAM	1	0	24.48	24.54	24.43	
20	16QAM	1	49	24.55	24.53	24.44	
20	16QAM	1	99	24.51	24.48	24.42	24.6
20	16QAM	50	0	23.71	23.70	23.65	
20	16QAM	50	24	23.73	23.70	23.64	
20	16QAM	50	50	23.72	23.71	23.64	24.6
20	16QAM	100	0	23.74	23.70	23.66	
20	64QAM	1	0	24.06	24.12	24.05	
20	64QAM	1	49	23.89	23.90	23.84	23.6
20	64QAM	1	99	23.82	23.85	23.78	
20	64QAM	50	0	22.70	22.67	22.65	
20	64QAM	50	24	22.66	22.65	22.60	21.6
20	64QAM	50	50	22.67	22.64	22.58	
20	64QAM	100	0	22.71	22.67	22.63	
20	256QAM	1	0	21.24	20.92	21.13	21.6
20	256QAM	1	49	20.81	20.45	20.75	
20	256QAM	1	99	20.81	20.72	20.63	
20	256QAM	50	0	21.12	21.09	21.11	21.6
20	256QAM	50	24	21.03	21.01	20.99	
20	256QAM	50	50	21.05	20.94	20.85	
20	256QAM	100	0	20.96	20.91	20.84	21.6
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	24.15	24.11	24.03	25.6
15	QPSK	1	37	24.13	24.03	24.06	
15	QPSK	1	74	24.01	24.06	23.94	
15	QPSK	36	0	24.16	24.13	24.11	25.6
15	QPSK	36	20	24.22	24.21	24.04	
15	QPSK	36	39	24.10	24.12	24.09	
15	QPSK	75	0	24.16	24.14	24.09	25.6
15	16QAM	1	0	24.47	24.53	24.35	
15	16QAM	1	37	24.54	24.52	24.38	
15	16QAM	1	74	24.46	24.42	24.33	24.6
15	16QAM	36	0	23.67	23.69	23.64	
15	16QAM	36	20	23.63	23.69	23.56	
15	16QAM	36	39	23.63	23.63	23.63	24.6
15	16QAM	75	0	23.64	23.67	23.66	
15	64QAM	1	0	24.01	24.10	24.01	
15	64QAM	1	37	23.83	23.83	23.84	23.6
15	64QAM	1	74	23.73	23.80	23.72	
15	64QAM	36	0	22.62	22.57	22.63	
15	64QAM	36	20	22.65	22.57	22.50	21.6
15	64QAM	36	39	22.61	22.64	22.54	
15	64QAM	75	0	22.66	22.64	22.56	
15	256QAM	1	0	21.21	20.90	21.06	21.6
15	256QAM	1	37	20.81	20.43	20.66	
15	256QAM	1	74	20.76	20.72	20.62	
15	256QAM	36	0	21.02	21.01	21.03	21.6
15	256QAM	36	20	21.00	20.93	20.94	
15	256QAM	36	39	21.05	20.94	20.85	



FCC SAR TEST REPORT

Report No. : FA2D0208-01F

15	256QAM	75	0	20.87	20.86	20.74	Tune-up limit (dBm)
Channel				37800	38000	38200	
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	24.09	24.07	24.03	25.6
10	QPSK	1	25	24.09	24.03	23.99	
10	QPSK	1	49	24.05	24.06	24.02	
10	QPSK	25	0	24.25	24.21	24.04	25.6
10	QPSK	25	12	24.23	24.13	24.12	
10	QPSK	25	25	24.16	24.11	24.03	
10	QPSK	50	0	24.22	24.14	24.10	25.6
10	16QAM	1	0	24.48	24.50	24.33	
10	16QAM	1	25	24.53	24.49	24.34	
10	16QAM	1	49	24.49	24.43	24.40	24.6
10	16QAM	25	0	23.65	23.60	23.65	
10	16QAM	25	12	23.63	23.60	23.60	
10	16QAM	25	25	23.64	23.63	23.63	24.6
10	16QAM	50	0	23.68	23.68	23.65	
10	64QAM	1	0	24.02	24.06	24.04	
10	64QAM	1	25	23.87	23.89	23.76	24.6
10	64QAM	1	49	23.72	23.83	23.72	
10	64QAM	25	0	22.68	22.67	22.55	23.6
10	64QAM	25	12	22.59	22.60	22.57	
10	64QAM	25	25	22.58	22.59	22.54	
10	64QAM	50	0	22.70	22.60	22.57	21.6
10	256QAM	1	0	21.18	20.83	21.06	
10	256QAM	1	25	20.79	20.44	20.68	
10	256QAM	1	49	20.75	20.71	20.56	21.6
10	256QAM	25	0	21.08	21.05	21.01	
10	256QAM	25	12	20.96	20.98	20.99	
10	256QAM	25	25	21.04	20.84	20.84	21.6
10	256QAM	50	0	20.95	20.88	20.84	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	24.14	24.05	24.08	
5	QPSK	1	12	24.15	24.07	24.02	25.6
5	QPSK	1	24	24.07	24.10	24.01	
5	QPSK	12	0	24.22	24.21	24.07	25.6
5	QPSK	12	7	24.18	24.19	24.08	
5	QPSK	12	13	24.17	24.09	24.03	
5	QPSK	25	0	24.12	24.13	24.03	25.6
5	16QAM	1	0	24.47	24.53	24.42	
5	16QAM	1	12	24.50	24.43	24.38	
5	16QAM	1	24	24.45	24.39	24.41	24.6
5	16QAM	12	0	23.64	23.65	23.60	
5	16QAM	12	7	23.72	23.63	23.64	
5	16QAM	12	13	23.64	23.66	23.57	24.6
5	16QAM	25	0	23.72	23.64	23.58	
5	64QAM	1	0	24.00	24.07	24.01	
5	64QAM	1	12	23.83	23.81	23.82	23.6
5	64QAM	1	24	23.74	23.82	23.71	
5	64QAM	12	0	22.62	22.65	22.57	
5	64QAM	12	7	22.63	22.64	22.51	21.6
5	64QAM	12	13	22.66	22.57	22.52	
5	64QAM	25	0	22.66	22.65	22.57	
5	256QAM	1	0	21.15	20.85	21.07	21.6
5	256QAM	1	12	20.80	20.45	20.66	
5	256QAM	1	24	20.71	20.66	20.57	
5	256QAM	12	0	21.10	21.09	21.05	21.6
5	256QAM	12	7	20.93	20.97	20.95	
5	256QAM	12	13	21.03	20.94	20.78	
5	256QAM	25	0	20.96	20.88	20.76	



<LTE Band 38_PC2_Ant 2_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				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	24.15	24.15	24.09	24.9
20	QPSK	1	49	24.18	24.12	24.06	
20	QPSK	1	99	24.10	24.10	24.04	
20	QPSK	50	0	24.26	24.23	24.14	24.9
20	QPSK	50	24	24.23	24.21	24.14	
20	QPSK	50	50	24.20	24.18	24.13	
20	QPSK	100	0	24.22	24.21	24.13	24.9
20	16QAM	1	0	24.48	24.54	24.43	
20	16QAM	1	49	24.55	24.53	24.44	
20	16QAM	1	99	24.51	24.48	24.42	24.9
20	16QAM	50	0	23.71	23.70	23.65	
20	16QAM	50	24	23.73	23.70	23.64	
20	16QAM	50	50	23.72	23.71	23.64	24.9
20	16QAM	100	0	23.74	23.70	23.66	
20	64QAM	1	0	24.06	24.12	24.05	
20	64QAM	1	49	23.89	23.90	23.84	24.9
20	64QAM	1	99	23.82	23.85	23.78	
20	64QAM	50	0	22.70	22.67	22.65	
20	64QAM	50	24	22.66	22.65	22.60	23.9
20	64QAM	50	50	22.67	22.64	22.58	
20	64QAM	100	0	22.71	22.67	22.63	
20	256QAM	1	0	21.24	20.92	21.13	21.9
20	256QAM	1	49	20.81	20.45	20.75	
20	256QAM	1	99	20.81	20.72	20.63	
20	256QAM	50	0	21.12	21.09	21.11	21.9
20	256QAM	50	24	21.03	21.01	20.99	
20	256QAM	50	50	21.05	20.94	20.85	
20	256QAM	100	0	20.96	20.91	20.84	Tune-up limit (dBm)
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	24.15	24.11	24.03	24.9
15	QPSK	1	37	24.13	24.03	24.06	
15	QPSK	1	74	24.01	24.06	23.94	
15	QPSK	36	0	24.16	24.13	24.11	24.9
15	QPSK	36	20	24.22	24.21	24.04	
15	QPSK	36	39	24.10	24.12	24.09	
15	QPSK	75	0	24.16	24.14	24.09	24.9
15	16QAM	1	0	24.47	24.53	24.35	
15	16QAM	1	37	24.54	24.52	24.38	
15	16QAM	1	74	24.46	24.42	24.33	24.9
15	16QAM	36	0	23.67	23.69	23.64	
15	16QAM	36	20	23.63	23.69	23.56	
15	16QAM	36	39	23.63	23.63	23.63	24.9
15	16QAM	75	0	23.64	23.67	23.66	
15	64QAM	1	0	24.01	24.10	24.01	
15	64QAM	1	37	23.83	23.83	23.84	24.9
15	64QAM	1	74	23.73	23.80	23.72	
15	64QAM	36	0	22.62	22.57	22.63	
15	64QAM	36	20	22.65	22.57	22.50	23.9
15	64QAM	36	39	22.61	22.64	22.54	
15	64QAM	75	0	22.66	22.64	22.56	
15	256QAM	1	0	21.21	20.90	21.06	21.9
15	256QAM	1	37	20.81	20.43	20.66	
15	256QAM	1	74	20.76	20.72	20.62	
15	256QAM	36	0	21.02	21.01	21.03	21.9
15	256QAM	36	20	21.00	20.93	20.94	
15	256QAM	36	39	21.05	20.94	20.85	



FCC SAR TEST REPORT

Report No. : FA2D0208-01F

15	256QAM	75	0	20.87	20.86	20.74	Tune-up limit (dBm)
Channel				37800	38000	38200	
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	24.09	24.07	24.03	24.9
10	QPSK	1	25	24.09	24.03	23.99	
10	QPSK	1	49	24.05	24.06	24.02	
10	QPSK	25	0	24.25	24.21	24.04	24.9
10	QPSK	25	12	24.23	24.13	24.12	
10	QPSK	25	25	24.16	24.11	24.03	
10	QPSK	50	0	24.22	24.14	24.10	24.9
10	16QAM	1	0	24.48	24.50	24.33	
10	16QAM	1	25	24.53	24.49	24.34	
10	16QAM	1	49	24.49	24.43	24.40	24.9
10	16QAM	25	0	23.65	23.60	23.65	
10	16QAM	25	12	23.63	23.60	23.60	
10	16QAM	25	25	23.64	23.63	23.63	24.9
10	16QAM	50	0	23.68	23.68	23.65	
10	64QAM	1	0	24.02	24.06	24.04	
10	64QAM	1	25	23.87	23.89	23.76	24.9
10	64QAM	1	49	23.72	23.83	23.72	
10	64QAM	25	0	22.68	22.67	22.55	
10	64QAM	25	12	22.59	22.60	22.57	23.9
10	64QAM	25	25	22.58	22.59	22.54	
10	64QAM	50	0	22.70	22.60	22.57	
10	256QAM	1	0	21.18	20.83	21.06	21.9
10	256QAM	1	25	20.79	20.44	20.68	
10	256QAM	1	49	20.75	20.71	20.56	
10	256QAM	25	0	21.08	21.05	21.01	21.9
10	256QAM	25	12	20.96	20.98	20.99	
10	256QAM	25	25	21.04	20.84	20.84	
10	256QAM	50	0	20.95	20.88	20.84	Tune-up limit (dBm)
Channel				37775	38000	38225	
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	24.14	24.05	24.08	24.9
5	QPSK	1	12	24.15	24.07	24.02	
5	QPSK	1	24	24.07	24.10	24.01	
5	QPSK	12	0	24.22	24.21	24.07	24.9
5	QPSK	12	7	24.18	24.19	24.08	
5	QPSK	12	13	24.17	24.09	24.03	
5	QPSK	25	0	24.12	24.13	24.03	24.9
5	16QAM	1	0	24.47	24.53	24.42	
5	16QAM	1	12	24.50	24.43	24.38	
5	16QAM	1	24	24.45	24.39	24.41	24.9
5	16QAM	12	0	23.64	23.65	23.60	
5	16QAM	12	7	23.72	23.63	23.64	
5	16QAM	12	13	23.64	23.66	23.57	24.9
5	16QAM	25	0	23.72	23.64	23.58	
5	64QAM	1	0	24.00	24.07	24.01	
5	64QAM	1	12	23.83	23.81	23.82	24.9
5	64QAM	1	24	23.74	23.82	23.71	
5	64QAM	12	0	22.62	22.65	22.57	
5	64QAM	12	7	22.63	22.64	22.51	23.9
5	64QAM	12	13	22.66	22.57	22.52	
5	64QAM	25	0	22.66	22.65	22.57	
5	256QAM	1	0	21.15	20.85	21.07	21.9
5	256QAM	1	12	20.80	20.45	20.66	
5	256QAM	1	24	20.71	20.66	20.57	
5	256QAM	12	0	21.10	21.09	21.05	21.9
5	256QAM	12	7	20.93	20.97	20.95	
5	256QAM	12	13	21.03	20.94	20.78	
5	256QAM	25	0	20.96	20.88	20.76	



<LTE Band 38_PC2_Ant 2_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	22.33	22.37	22.31	22.8
20	QPSK	1	49	22.42	22.38	22.36	
20	QPSK	1	99	22.31	22.29	22.24	
20	QPSK	50	0	22.42	22.39	22.33	22.8
20	QPSK	50	24	22.40	22.38	22.30	
20	QPSK	50	50	22.39	22.36	22.30	
20	QPSK	100	0	22.38	22.37	22.31	22.8
20	16QAM	1	0	22.80	22.78	22.59	
20	16QAM	1	49	22.52	22.67	22.72	
20	16QAM	1	99	22.79	22.78	22.74	22.8
20	16QAM	50	0	22.38	22.37	22.31	
20	16QAM	50	24	22.42	22.39	22.32	
20	16QAM	50	50	22.35	22.37	22.29	22.8
20	16QAM	100	0	22.38	22.38	22.32	
20	64QAM	1	0	22.20	22.50	22.50	
20	64QAM	1	49	22.19	22.44	22.35	22.8
20	64QAM	1	99	22.40	22.36	22.30	
20	64QAM	50	0	22.40	22.38	22.31	
20	64QAM	50	24	22.38	22.38	22.30	22.8
20	64QAM	50	50	22.36	22.35	22.30	
20	64QAM	100	0	22.36	22.36	22.28	
20	256QAM	1	0	21.24	20.98	21.18	21.8
20	256QAM	1	49	20.84	20.48	20.84	
20	256QAM	1	99	20.82	20.69	20.57	
20	256QAM	50	0	21.08	21.04	21.08	21.8
20	256QAM	50	24	21.07	21.05	21.06	
20	256QAM	50	50	21.06	20.88	20.85	
20	256QAM	100	0	20.98	20.97	20.84	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	22.26	22.32	22.21	22.8
15	QPSK	1	37	22.36	22.34	22.36	
15	QPSK	1	74	22.24	22.28	22.22	
15	QPSK	36	0	22.32	22.37	22.25	22.8
15	QPSK	36	20	22.32	22.28	22.28	
15	QPSK	36	39	22.34	22.35	22.25	
15	QPSK	75	0	22.32	22.34	22.29	22.8
15	16QAM	1	0	22.79	22.71	22.50	
15	16QAM	1	37	22.45	22.64	22.63	
15	16QAM	1	74	22.79	22.73	22.66	22.8
15	16QAM	36	0	22.31	22.34	22.25	
15	16QAM	36	20	22.36	22.39	22.29	
15	16QAM	36	39	22.28	22.32	22.29	22.8
15	16QAM	75	0	22.35	22.35	22.27	
15	64QAM	1	0	22.17	22.44	22.45	
15	64QAM	1	37	22.13	22.41	22.29	22.8
15	64QAM	1	74	22.33	22.27	22.30	
15	64QAM	36	0	22.38	22.35	22.30	
15	64QAM	36	20	22.31	22.36	22.20	22.8
15	64QAM	36	39	22.33	22.35	22.30	
15	64QAM	75	0	22.26	22.34	22.18	
15	256QAM	1	0	21.16	20.98	21.11	21.8
15	256QAM	1	37	20.82	20.47	20.82	
15	256QAM	1	74	20.81	20.67	20.53	
15	256QAM	36	0	21.02	20.94	21.01	21.8
15	256QAM	36	20	21.01	21.01	21.00	
15	256QAM	36	39	21.03	20.87	20.80	



FCC SAR TEST REPORT

Report No. : FA2D0208-01F

15	256QAM	75	0	20.92	20.93	20.84	Tune-up limit (dBm)
Channel				37800	38000	38200	
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	22.33	22.37	22.31	22.8
10	QPSK	1	25	22.42	22.30	22.26	
10	QPSK	1	49	22.25	22.26	22.19	
10	QPSK	25	0	22.34	22.30	22.23	22.8
10	QPSK	25	12	22.30	22.28	22.21	
10	QPSK	25	25	22.39	22.31	22.27	
10	QPSK	50	0	22.32	22.29	22.23	22.8
10	16QAM	1	0	22.79	22.77	22.57	
10	16QAM	1	25	22.47	22.61	22.69	
10	16QAM	1	49	22.79	22.72	22.73	22.8
10	16QAM	25	0	22.28	22.27	22.30	
10	16QAM	25	12	22.42	22.35	22.32	
10	16QAM	25	25	22.35	22.29	22.28	22.8
10	16QAM	50	0	22.33	22.28	22.32	
10	64QAM	1	0	22.15	22.41	22.46	
10	64QAM	1	25	22.16	22.38	22.33	22.8
10	64QAM	1	49	22.33	22.35	22.24	
10	64QAM	25	0	22.37	22.33	22.21	
10	64QAM	25	12	22.38	22.38	22.28	22.8
10	64QAM	25	25	22.36	22.32	22.23	
10	64QAM	50	0	22.27	22.26	22.20	
10	256QAM	1	0	21.20	20.89	21.18	21.8
10	256QAM	1	25	20.77	20.43	20.74	
10	256QAM	1	49	20.82	20.59	20.47	
10	256QAM	25	0	21.00	21.01	21.04	21.8
10	256QAM	25	12	21.04	20.95	21.02	
10	256QAM	25	25	20.99	20.81	20.79	
10	256QAM	50	0	20.94	20.97	20.78	Tune-up limit (dBm)
Channel				37775	38000	38225	
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	22.27	22.33	22.22	22.8
5	QPSK	1	12	22.39	22.28	22.29	
5	QPSK	1	24	22.24	22.26	22.21	
5	QPSK	12	0	22.33	22.35	22.33	22.8
5	QPSK	12	7	22.33	22.30	22.30	
5	QPSK	12	13	22.29	22.32	22.26	
5	QPSK	25	0	22.32	22.29	22.23	22.8
5	16QAM	1	0	22.78	22.74	22.57	
5	16QAM	1	12	22.48	22.67	22.62	
5	16QAM	1	24	22.77	22.72	22.64	22.8
5	16QAM	12	0	22.35	22.34	22.24	
5	16QAM	12	7	22.39	22.35	22.27	
5	16QAM	12	13	22.31	22.30	22.24	22.8
5	16QAM	25	0	22.35	22.29	22.31	
5	64QAM	1	0	22.19	22.42	22.44	
5	64QAM	1	12	22.11	22.36	22.31	22.8
5	64QAM	1	24	22.40	22.34	22.20	
5	64QAM	12	0	22.31	22.36	22.25	
5	64QAM	12	7	22.28	22.32	22.26	22.8
5	64QAM	12	13	22.35	22.32	22.20	
5	64QAM	25	0	22.31	22.36	22.26	
5	256QAM	1	0	21.22	20.93	21.18	21.8
5	256QAM	1	12	20.82	20.44	20.80	
5	256QAM	1	24	20.75	20.66	20.57	
5	256QAM	12	0	21.03	21.03	20.99	21.8
5	256QAM	12	7	21.07	21.00	20.97	
5	256QAM	12	13	20.98	20.82	20.83	
5	256QAM	25	0	20.96	20.94	20.75	



<LTE Band 38_PC2_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	22.33	22.37	22.31	23.9
20	QPSK	1	49	22.42	22.38	22.36	
20	QPSK	1	99	22.31	22.29	22.24	
20	QPSK	50	0	22.42	22.39	22.33	23.9
20	QPSK	50	24	22.40	22.38	22.30	
20	QPSK	50	50	22.39	22.36	22.30	
20	QPSK	100	0	22.38	22.37	22.31	23.9
20	16QAM	1	0	22.80	22.78	22.59	
20	16QAM	1	49	22.52	22.67	22.72	
20	16QAM	1	99	22.79	22.78	22.74	23.9
20	16QAM	50	0	22.38	22.37	22.31	
20	16QAM	50	24	22.42	22.39	22.32	
20	16QAM	50	50	22.35	22.37	22.29	23.9
20	16QAM	100	0	22.38	22.38	22.32	
20	64QAM	1	0	22.20	22.50	22.50	
20	64QAM	1	49	22.19	22.44	22.35	23.9
20	64QAM	1	99	22.40	22.36	22.30	
20	64QAM	50	0	22.40	22.38	22.31	
20	64QAM	50	24	22.38	22.38	22.30	23.9
20	64QAM	50	50	22.36	22.35	22.30	
20	64QAM	100	0	22.36	22.36	22.28	
20	256QAM	1	0	21.24	20.98	21.18	21.9
20	256QAM	1	49	20.84	20.48	20.84	
20	256QAM	1	99	20.82	20.69	20.57	
20	256QAM	50	0	21.08	21.04	21.08	21.9
20	256QAM	50	24	21.07	21.05	21.06	
20	256QAM	50	50	21.06	20.88	20.85	
20	256QAM	100	0	20.98	20.97	20.84	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	22.26	22.32	22.21	23.9
15	QPSK	1	37	22.36	22.34	22.36	
15	QPSK	1	74	22.24	22.28	22.22	
15	QPSK	36	0	22.32	22.37	22.25	23.9
15	QPSK	36	20	22.32	22.28	22.28	
15	QPSK	36	39	22.34	22.35	22.25	
15	QPSK	75	0	22.32	22.34	22.29	23.9
15	16QAM	1	0	22.79	22.71	22.50	
15	16QAM	1	37	22.45	22.64	22.63	
15	16QAM	1	74	22.79	22.73	22.66	23.9
15	16QAM	36	0	22.31	22.34	22.25	
15	16QAM	36	20	22.36	22.39	22.29	
15	16QAM	36	39	22.28	22.32	22.29	23.9
15	16QAM	75	0	22.35	22.35	22.27	
15	64QAM	1	0	22.17	22.44	22.45	
15	64QAM	1	37	22.13	22.41	22.29	23.9
15	64QAM	1	74	22.33	22.27	22.30	
15	64QAM	36	0	22.38	22.35	22.30	
15	64QAM	36	20	22.31	22.36	22.20	23.9
15	64QAM	36	39	22.33	22.35	22.30	
15	64QAM	75	0	22.26	22.34	22.18	
15	256QAM	1	0	21.16	20.98	21.11	21.9
15	256QAM	1	37	20.82	20.47	20.82	
15	256QAM	1	74	20.81	20.67	20.53	
15	256QAM	36	0	21.02	20.94	21.01	21.9
15	256QAM	36	20	21.01	21.01	21.00	
15	256QAM	36	39	21.03	20.87	20.80	



FCC SAR TEST REPORT

Report No. : FA2D0208-01F

15	256QAM	75	0	20.92	20.93	20.84	Tune-up limit (dBm)
Channel				37800	38000	38200	
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	22.33	22.37	22.31	23.9
10	QPSK	1	25	22.42	22.30	22.26	
10	QPSK	1	49	22.25	22.26	22.19	
10	QPSK	25	0	22.34	22.30	22.23	23.9
10	QPSK	25	12	22.30	22.28	22.21	
10	QPSK	25	25	22.39	22.31	22.27	
10	QPSK	50	0	22.32	22.29	22.23	23.9
10	16QAM	1	0	22.79	22.77	22.57	
10	16QAM	1	25	22.47	22.61	22.69	
10	16QAM	1	49	22.79	22.72	22.73	23.9
10	16QAM	25	0	22.28	22.27	22.30	
10	16QAM	25	12	22.42	22.35	22.32	
10	16QAM	25	25	22.35	22.29	22.28	23.9
10	16QAM	50	0	22.33	22.28	22.32	
10	64QAM	1	0	22.15	22.41	22.46	
10	64QAM	1	25	22.16	22.38	22.33	23.9
10	64QAM	1	49	22.33	22.35	22.24	
10	64QAM	25	0	22.37	22.33	22.21	
10	64QAM	25	12	22.38	22.38	22.28	23.9
10	64QAM	25	25	22.36	22.32	22.23	
10	64QAM	50	0	22.27	22.26	22.20	
10	256QAM	1	0	21.20	20.89	21.18	21.9
10	256QAM	1	25	20.77	20.43	20.74	
10	256QAM	1	49	20.82	20.59	20.47	
10	256QAM	25	0	21.00	21.01	21.04	21.9
10	256QAM	25	12	21.04	20.95	21.02	
10	256QAM	25	25	20.99	20.81	20.79	
10	256QAM	50	0	20.94	20.97	20.78	Tune-up limit (dBm)
Channel				37775	38000	38225	
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	22.27	22.33	22.22	23.9
5	QPSK	1	12	22.39	22.28	22.29	
5	QPSK	1	24	22.24	22.26	22.21	
5	QPSK	12	0	22.33	22.35	22.33	23.9
5	QPSK	12	7	22.33	22.30	22.30	
5	QPSK	12	13	22.29	22.32	22.26	
5	QPSK	25	0	22.32	22.29	22.23	23.9
5	16QAM	1	0	22.78	22.74	22.57	
5	16QAM	1	12	22.48	22.67	22.62	
5	16QAM	1	24	22.77	22.72	22.64	23.9
5	16QAM	12	0	22.35	22.34	22.24	
5	16QAM	12	7	22.39	22.35	22.27	
5	16QAM	12	13	22.31	22.30	22.24	23.9
5	16QAM	25	0	22.35	22.29	22.31	
5	64QAM	1	0	22.19	22.42	22.44	
5	64QAM	1	12	22.11	22.36	22.31	23.9
5	64QAM	1	24	22.40	22.34	22.20	
5	64QAM	12	0	22.31	22.36	22.25	
5	64QAM	12	7	22.28	22.32	22.26	23.9
5	64QAM	12	13	22.35	22.32	22.20	
5	64QAM	25	0	22.31	22.36	22.26	
5	256QAM	1	0	21.22	20.93	21.18	21.9
5	256QAM	1	12	20.82	20.44	20.80	
5	256QAM	1	24	20.75	20.66	20.57	
5	256QAM	12	0	21.03	21.03	20.99	21.9
5	256QAM	12	7	21.07	21.00	20.97	
5	256QAM	12	13	20.98	20.82	20.83	
5	256QAM	25	0	20.96	20.94	20.75	



<LTE Band 38_PC2_Ant 2_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	22.33	22.37	22.31	23.2
20	QPSK	1	49	22.42	22.38	22.36	
20	QPSK	1	99	22.31	22.29	22.24	
20	QPSK	50	0	22.42	22.39	22.33	23.2
20	QPSK	50	24	22.40	22.38	22.30	
20	QPSK	50	50	22.39	22.36	22.30	
20	QPSK	100	0	22.38	22.37	22.31	23.2
20	16QAM	1	0	22.80	22.78	22.59	
20	16QAM	1	49	22.52	22.67	22.72	
20	16QAM	1	99	22.79	22.78	22.74	23.2
20	16QAM	50	0	22.38	22.37	22.31	
20	16QAM	50	24	22.42	22.39	22.32	
20	16QAM	50	50	22.35	22.37	22.29	23.2
20	16QAM	100	0	22.38	22.38	22.32	
20	64QAM	1	0	22.20	22.50	22.50	
20	64QAM	1	49	22.19	22.44	22.35	23.2
20	64QAM	1	99	22.40	22.36	22.30	
20	64QAM	50	0	22.40	22.38	22.31	
20	64QAM	50	24	22.38	22.38	22.30	23.2
20	64QAM	50	50	22.36	22.35	22.30	
20	64QAM	100	0	22.36	22.36	22.28	
20	256QAM	1	0	21.24	20.98	21.18	21.7
20	256QAM	1	49	20.84	20.48	20.84	
20	256QAM	1	99	20.82	20.69	20.57	
20	256QAM	50	0	21.08	21.04	21.08	21.7
20	256QAM	50	24	21.07	21.05	21.06	
20	256QAM	50	50	21.06	20.88	20.85	
20	256QAM	100	0	20.98	20.97	20.84	Tune-up limit (dBm)
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	22.26	22.32	22.21	23.2
15	QPSK	1	37	22.36	22.34	22.36	
15	QPSK	1	74	22.24	22.28	22.22	
15	QPSK	36	0	22.32	22.37	22.25	23.2
15	QPSK	36	20	22.32	22.28	22.28	
15	QPSK	36	39	22.34	22.35	22.25	
15	QPSK	75	0	22.32	22.34	22.29	23.2
15	16QAM	1	0	22.79	22.71	22.50	
15	16QAM	1	37	22.45	22.64	22.63	
15	16QAM	1	74	22.79	22.73	22.66	23.2
15	16QAM	36	0	22.31	22.34	22.25	
15	16QAM	36	20	22.36	22.39	22.29	
15	16QAM	36	39	22.28	22.32	22.29	23.2
15	16QAM	75	0	22.35	22.35	22.27	
15	64QAM	1	0	22.17	22.44	22.45	
15	64QAM	1	37	22.13	22.41	22.29	23.2
15	64QAM	1	74	22.33	22.27	22.30	
15	64QAM	36	0	22.38	22.35	22.30	
15	64QAM	36	20	22.31	22.36	22.20	23.2
15	64QAM	36	39	22.33	22.35	22.30	
15	64QAM	75	0	22.26	22.34	22.18	
15	256QAM	1	0	21.16	20.98	21.11	21.7
15	256QAM	1	37	20.82	20.47	20.82	
15	256QAM	1	74	20.81	20.67	20.53	
15	256QAM	36	0	21.02	20.94	21.01	21.7
15	256QAM	36	20	21.01	21.01	21.00	
15	256QAM	36	39	21.03	20.87	20.80	



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15	256QAM	75	0	20.92	20.93	20.84	Tune-up limit (dBm)
Channel				37800	38000	38200	
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	22.33	22.37	22.31	23.2
10	QPSK	1	25	22.42	22.30	22.26	
10	QPSK	1	49	22.25	22.26	22.19	
10	QPSK	25	0	22.34	22.30	22.23	23.2
10	QPSK	25	12	22.30	22.28	22.21	
10	QPSK	25	25	22.39	22.31	22.27	
10	QPSK	50	0	22.32	22.29	22.23	
10	16QAM	1	0	22.79	22.77	22.57	23.2
10	16QAM	1	25	22.47	22.61	22.69	
10	16QAM	1	49	22.79	22.72	22.73	
10	16QAM	25	0	22.28	22.27	22.30	23.2
10	16QAM	25	12	22.42	22.35	22.32	
10	16QAM	25	25	22.35	22.29	22.28	
10	16QAM	50	0	22.33	22.28	22.32	
10	64QAM	1	0	22.15	22.41	22.46	23.2
10	64QAM	1	25	22.16	22.38	22.33	
10	64QAM	1	49	22.33	22.35	22.24	
10	64QAM	25	0	22.37	22.33	22.21	
10	64QAM	25	12	22.38	22.38	22.28	23.2
10	64QAM	25	25	22.36	22.32	22.23	
10	64QAM	50	0	22.27	22.26	22.20	
10	256QAM	1	0	21.20	20.89	21.18	
10	256QAM	1	25	20.77	20.43	20.74	21.7
10	256QAM	1	49	20.82	20.59	20.47	
10	256QAM	25	0	21.00	21.01	21.04	
10	256QAM	25	12	21.04	20.95	21.02	21.7
10	256QAM	25	25	20.99	20.81	20.79	
10	256QAM	50	0	20.94	20.97	20.78	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	22.27	22.33	22.22	23.2
5	QPSK	1	12	22.39	22.28	22.29	
5	QPSK	1	24	22.24	22.26	22.21	
5	QPSK	12	0	22.33	22.35	22.33	23.2
5	QPSK	12	7	22.33	22.30	22.30	
5	QPSK	12	13	22.29	22.32	22.26	
5	QPSK	25	0	22.32	22.29	22.23	
5	16QAM	1	0	22.78	22.74	22.57	23.2
5	16QAM	1	12	22.48	22.67	22.62	
5	16QAM	1	24	22.77	22.72	22.64	
5	16QAM	12	0	22.35	22.34	22.24	23.2
5	16QAM	12	7	22.39	22.35	22.27	
5	16QAM	12	13	22.31	22.30	22.24	
5	16QAM	25	0	22.35	22.29	22.31	
5	64QAM	1	0	22.19	22.42	22.44	23.2
5	64QAM	1	12	22.11	22.36	22.31	
5	64QAM	1	24	22.40	22.34	22.20	
5	64QAM	12	0	22.31	22.36	22.25	
5	64QAM	12	7	22.28	22.32	22.26	23.2
5	64QAM	12	13	22.35	22.32	22.20	
5	64QAM	25	0	22.31	22.36	22.26	
5	256QAM	1	0	21.22	20.93	21.18	
5	256QAM	1	12	20.82	20.44	20.80	21.7
5	256QAM	1	24	20.75	20.66	20.57	
5	256QAM	12	0	21.03	21.03	20.99	
5	256QAM	12	7	21.07	21.00	20.97	21.7
5	256QAM	12	13	20.98	20.82	20.83	
5	256QAM	25	0	20.96	20.94	20.75	



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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	22.00	22.02	22.04	21.97	22.10	23.7
20	QPSK	1	49	21.97	22.01	22.03	21.96	22.09	
20	QPSK	1	99	21.87	21.94	21.94	21.90	22.09	
20	QPSK	50	0	20.97	21.08	21.04	20.96	21.16	22.7
20	QPSK	50	24	20.94	21.06	21.03	20.95	21.14	
20	QPSK	50	50	20.94	21.07	20.99	20.94	21.15	
20	QPSK	100	0	20.99	21.08	20.99	20.95	21.15	
20	16QAM	1	0	21.03	20.89	21.01	20.79	21.04	22.7
20	16QAM	1	49	20.89	20.94	20.92	20.78	21.05	
20	16QAM	1	99	20.81	21.02	20.94	20.79	21.03	
20	16QAM	50	0	19.97	19.98	19.99	19.91	20.06	21.7
20	16QAM	50	24	19.95	19.99	19.98	19.89	20.08	
20	16QAM	50	50	19.93	20.02	19.95	19.91	20.10	
20	16QAM	100	0	19.95	20.03	19.98	19.90	20.08	
20	64QAM	1	0	19.69	19.70	19.72	19.53	19.69	21.7
20	64QAM	1	49	19.60	19.74	19.65	19.60	19.65	
20	64QAM	1	99	19.51	19.75	19.63	19.60	19.73	
20	64QAM	50	0	18.97	19.01	18.99	18.90	19.07	20.7
20	64QAM	50	24	18.92	19.00	18.97	18.89	19.10	
20	64QAM	50	50	18.90	19.01	18.94	18.87	19.10	
20	64QAM	100	0	18.92	19.01	18.97	18.85	19.06	
20	256QAM	1	0	17.13	16.67	17.13	16.93	17.00	18.7
20	256QAM	1	49	17.01	16.61	17.08	16.72	16.92	
20	256QAM	1	99	16.95	16.68	17.03	16.90	17.02	
20	256QAM	50	0	17.19	16.78	17.26	17.18	17.26	18.7
20	256QAM	50	24	17.24	16.80	17.28	17.13	17.24	
20	256QAM	50	50	17.18	16.77	17.25	17.05	17.23	
20	256QAM	100	0	17.09	16.73	17.20	17.05	17.20	
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	22.00	21.94	21.96	21.83	21.96	23.70
15	QPSK	1	37	21.89	21.97	21.94	21.96	22.08	
15	QPSK	1	74	21.81	21.86	21.92	21.90	22.07	
15	QPSK	36	0	20.96	20.98	21.02	20.91	21.01	22.7
15	QPSK	36	20	20.84	21.06	21.02	20.92	21.09	
15	QPSK	36	39	20.90	21.03	20.93	20.93	21.08	
15	QPSK	75	0	20.97	21.07	20.95	20.89	21.14	22.7
15	16QAM	1	0	20.99	20.81	20.99	20.75	20.94	
15	16QAM	1	37	20.87	20.91	20.82	20.70	21.03	
15	16QAM	1	74	20.72	20.93	20.92	20.71	20.99	21.7
15	16QAM	36	0	19.88	19.90	19.97	19.87	20.05	
15	16QAM	36	20	19.85	19.93	19.97	19.86	20.02	
15	16QAM	36	39	19.86	19.92	19.93	19.81	20.04	
15	16QAM	75	0	19.89	19.95	19.92	19.86	20.08	21.7
15	64QAM	1	0	19.64	19.67	19.72	19.52	19.60	
15	64QAM	1	37	19.55	19.74	19.58	19.54	19.63	
15	64QAM	1	74	19.53	19.71	19.61	19.57	19.63	
15	64QAM	36	0	18.89	18.94	18.90	18.81	18.98	20.7
15	64QAM	36	20	18.88	18.91	18.92	18.84	19.09	
15	64QAM	36	39	18.88	18.94	18.91	18.84	19.04	
15	64QAM	75	0	18.83	18.91	18.90	18.83	19.04	
15	256QAM	1	0	17.06	16.60	17.03	16.87	16.94	18.7
15	256QAM	1	37	16.99	16.58	17.07	16.69	16.88	
15	256QAM	1	74	16.95	16.59	16.93	16.86	16.95	
15	256QAM	36	0	17.17	16.77	17.17	17.15	17.21	18.7
15	256QAM	36	20	17.22	16.74	17.27	17.06	17.18	

15	256QAM	36	39	17.12	16.76	17.25	17.02	17.17	Tune-up limit (dBm)
15	256QAM	75	0	17.07	16.64	17.18	17.00	17.20	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	21.96	21.90	21.95	21.82	21.97	23.70
10	QPSK	1	25	21.96	22.01	21.95	21.88	22.05	
10	QPSK	1	49	21.80	21.93	21.84	21.84	22.07	
10	QPSK	25	0	20.88	20.98	21.02	20.93	21.08	22.7
10	QPSK	25	12	20.92	20.96	20.95	20.92	21.14	
10	QPSK	25	25	20.84	21.00	20.96	20.86	21.10	
10	QPSK	50	0	20.97	21.03	20.90	20.95	21.10	
10	16QAM	1	0	20.98	20.85	20.91	20.79	21.04	22.7
10	16QAM	1	25	20.82	20.91	20.90	20.74	20.97	
10	16QAM	1	49	20.81	20.94	20.89	20.73	20.98	
10	16QAM	25	0	19.92	19.92	19.96	19.82	20.05	21.7
10	16QAM	25	12	19.87	19.92	19.95	19.88	19.98	
10	16QAM	25	25	19.84	19.98	19.91	19.81	20.07	
10	16QAM	50	0	19.90	20.03	19.91	19.82	20.08	
10	64QAM	1	0	19.61	19.66	19.62	19.53	19.67	21.7
10	64QAM	1	25	19.56	19.70	19.63	19.57	19.64	
10	64QAM	1	49	19.52	19.69	19.59	19.50	19.71	
10	64QAM	25	0	18.97	19.01	18.90	18.85	19.03	20.7
10	64QAM	25	12	18.83	18.96	18.93	18.86	19.08	
10	64QAM	25	25	18.87	18.98	18.92	18.86	19.03	
10	64QAM	50	0	18.83	18.97	18.95	18.79	19.03	
10	256QAM	1	0	17.05	16.61	17.07	16.91	16.96	18.7
10	256QAM	1	25	16.92	16.57	17.00	16.69	16.83	
10	256QAM	1	49	16.87	16.60	16.98	16.84	16.98	
10	256QAM	25	0	17.15	16.76	17.24	17.13	17.24	18.7
10	256QAM	25	12	17.15	16.79	17.23	17.07	17.23	
10	256QAM	25	25	17.14	16.73	17.23	16.98	17.14	
10	256QAM	50	0	17.02	16.71	17.13	17.05	17.15	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	21.99	21.88	22.02	21.89	22.00	23.70
5	QPSK	1	12	21.87	21.97	21.96	21.88	22.07	
5	QPSK	1	24	21.79	21.86	21.93	21.83	22.04	
5	QPSK	12	0	20.90	20.99	21.00	20.89	21.08	22.7
5	QPSK	12	7	20.89	20.97	20.96	20.93	21.08	
5	QPSK	12	13	20.92	21.07	20.96	20.90	21.10	
5	QPSK	25	0	20.91	21.07	20.89	20.89	21.08	
5	16QAM	1	0	20.98	20.88	21.00	20.77	20.94	22.7
5	16QAM	1	12	20.82	20.90	20.83	20.75	21.01	
5	16QAM	1	24	20.81	20.96	20.91	20.70	20.99	
5	16QAM	12	0	19.97	19.94	19.99	19.81	20.01	21.7
5	16QAM	12	7	19.85	19.97	19.97	19.82	20.04	
5	16QAM	12	13	19.91	20.00	19.88	19.86	20.10	
5	16QAM	25	0	19.87	19.95	19.95	19.81	20.03	
5	64QAM	1	0	19.64	19.70	19.67	19.62	19.65	21.7
5	64QAM	1	12	19.60	19.65	19.59	19.54	19.60	
5	64QAM	1	24	19.60	19.70	19.53	19.50	19.72	
5	64QAM	12	0	18.93	18.94	18.99	18.89	19.06	20.7
5	64QAM	12	7	18.92	18.92	18.91	18.85	19.03	
5	64QAM	12	13	18.83	18.99	18.89	18.86	19.05	
5	64QAM	25	0	18.91	18.96	18.95	18.83	19.00	
5	256QAM	1	0	17.04	16.61	17.03	16.85	16.98	18.7
5	256QAM	1	12	16.97	16.51	17.04	16.64	16.82	
5	256QAM	1	24	16.90	16.63	17.01	16.88	16.95	
5	256QAM	12	0	17.16	16.69	17.22	17.12	17.17	18.7
5	256QAM	12	7	17.20	16.72	17.24	17.03	17.24	
5	256QAM	12	13	17.08	16.77	17.22	17.01	17.14	
5	256QAM	25	0	17.01	16.71	17.20	17.03	17.10	

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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	18.50	18.44	18.54	18.60	18.90	19.9
20	QPSK	1	49	18.50	18.43	18.50	18.60	18.80	
20	QPSK	1	99	18.40	18.42	18.44	18.59	18.88	
20	QPSK	50	0	18.53	18.52	18.57	18.67	19.01	19.9
20	QPSK	50	24	18.52	18.50	18.56	18.67	19.00	
20	QPSK	50	50	18.49	18.51	18.53	18.65	19.00	
20	QPSK	100	0	18.51	18.50	18.54	18.66	18.99	19.9
20	16QAM	1	0	18.44	18.51	18.52	18.56	19.02	
20	16QAM	1	49	18.50	18.53	18.49	18.58	19.07	
20	16QAM	1	99	18.39	18.51	18.43	18.57	18.99	19.9
20	16QAM	50	0	18.49	18.48	18.51	18.62	18.93	
20	16QAM	50	24	18.49	18.46	18.51	18.62	18.95	
20	16QAM	50	50	18.46	18.47	18.50	18.61	18.97	19.9
20	16QAM	100	0	18.49	18.48	18.53	18.63	18.96	
20	64QAM	1	0	18.36	18.29	18.29	18.42	18.59	
20	64QAM	1	49	18.20	18.24	18.27	18.43	18.62	19.9
20	64QAM	1	99	18.13	18.35	18.25	18.44	18.61	
20	64QAM	50	0	18.49	18.48	18.53	18.63	18.95	
20	64QAM	50	24	18.48	18.48	18.52	18.64	18.98	19.9
20	64QAM	50	50	18.46	18.48	18.50	18.63	18.99	
20	64QAM	100	0	18.47	18.44	18.49	18.62	18.95	
20	256QAM	1	0	17.12	16.59	17.07	16.86	16.90	18.4
20	256QAM	1	49	17.01	16.55	17.02	16.72	16.89	
20	256QAM	1	99	16.95	16.62	17.00	16.84	17.00	
20	256QAM	50	0	17.10	16.76	17.21	17.16	17.21	18.4
20	256QAM	50	24	17.14	16.79	17.24	17.11	17.18	
20	256QAM	50	50	17.15	16.75	17.18	17.02	17.19	
20	256QAM	100	0	17.03	16.66	17.14	16.98	17.12	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	18.43	18.40	18.44	18.53	18.84	19.90
15	QPSK	1	37	18.43	18.47	18.54	18.58	18.91	
15	QPSK	1	74	18.38	18.42	18.41	18.57	18.90	
15	QPSK	36	0	18.48	18.42	18.53	18.63	18.94	19.9
15	QPSK	36	20	18.45	18.52	18.50	18.57	18.94	
15	QPSK	36	39	18.47	18.49	18.53	18.57	18.91	
15	QPSK	75	0	18.45	18.45	18.46	18.64	18.99	19.9
15	16QAM	1	0	18.38	18.48	18.48	18.51	18.99	
15	16QAM	1	37	18.47	18.46	18.42	18.51	18.99	
15	16QAM	1	74	18.35	18.47	18.42	18.47	18.99	19.9
15	16QAM	36	0	18.42	18.39	18.49	18.62	18.86	
15	16QAM	36	20	18.39	18.46	18.49	18.59	18.86	
15	16QAM	36	39	18.37	18.43	18.49	18.60	18.93	19.9
15	16QAM	75	0	18.46	18.41	18.50	18.61	18.90	
15	64QAM	1	0	18.28	18.25	18.19	18.33	18.58	
15	64QAM	1	37	18.20	18.20	18.19	18.35	18.52	19.9
15	64QAM	1	74	18.07	18.28	18.22	18.44	18.56	
15	64QAM	36	0	18.42	18.39	18.44	18.53	18.94	
15	64QAM	36	20	18.39	18.38	18.43	18.58	18.98	19.9
15	64QAM	36	39	18.38	18.44	18.48	18.59	18.97	
15	64QAM	75	0	18.40	18.42	18.43	18.56	18.91	
15	256QAM	1	0	17.11	16.54	16.99	16.86	16.88	18.4
15	256QAM	1	37	16.91	16.53	16.95	16.66	16.86	
15	256QAM	1	74	16.95	16.55	16.99	16.80	16.93	
15	256QAM	36	0	17.10	16.71	17.20	17.13	17.19	18.4
15	256QAM	36	20	17.12	16.77	17.16	17.01	17.09	



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15	256QAM	36	39	17.12	16.69	17.18	16.99	17.09	Tune-up limit (dBm)
15	256QAM	75	0	16.95	16.64	17.09	16.97	17.05	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	18.46	18.35	18.48	18.58	18.84	19.90
10	QPSK	1	25	18.49	18.51	18.58	18.58	18.99	
10	QPSK	1	49	18.37	18.38	18.39	18.56	18.89	
10	QPSK	25	0	18.47	18.49	18.53	18.58	18.95	19.9
10	QPSK	25	12	18.47	18.44	18.55	18.62	18.99	
10	QPSK	25	25	18.39	18.46	18.48	18.61	18.93	
10	QPSK	50	0	18.47	18.42	18.47	18.60	18.92	
10	16QAM	1	0	18.36	18.48	18.42	18.48	18.94	19.9
10	16QAM	1	25	18.49	18.43	18.44	18.56	19.02	
10	16QAM	1	49	18.34	18.43	18.41	18.47	18.92	
10	16QAM	25	0	18.48	18.42	18.42	18.60	18.93	19.9
10	16QAM	25	12	18.45	18.43	18.51	18.61	18.89	
10	16QAM	25	25	18.40	18.47	18.42	18.61	18.95	
10	16QAM	50	0	18.48	18.46	18.44	18.53	18.89	
10	64QAM	1	0	18.31	18.28	18.26	18.39	18.54	19.9
10	64QAM	1	25	18.11	18.17	18.20	18.43	18.53	
10	64QAM	1	49	18.07	18.31	18.19	18.41	18.54	
10	64QAM	25	0	18.41	18.44	18.52	18.58	18.87	19.9
10	64QAM	25	12	18.38	18.44	18.50	18.64	18.90	
10	64QAM	25	25	18.38	18.48	18.48	18.63	18.98	
10	64QAM	50	0	18.44	18.42	18.45	18.55	18.93	
10	256QAM	1	0	17.11	16.56	17.07	16.82	16.81	18.4
10	256QAM	1	25	16.96	16.51	17.02	16.68	16.81	
10	256QAM	1	49	16.89	16.55	16.96	16.77	16.96	
10	256QAM	25	0	17.09	16.75	17.11	17.16	17.18	18.4
10	256QAM	25	12	17.08	16.69	17.16	17.07	17.10	
10	256QAM	25	25	17.07	16.68	17.18	16.98	17.19	
10	256QAM	50	0	17.00	16.65	17.09	16.92	17.09	
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	18.45	18.39	18.53	18.59	18.86	19.90
5	QPSK	1	12	18.48	18.42	18.57	18.58	18.95	
5	QPSK	1	24	18.40	18.35	18.40	18.51	18.89	
5	QPSK	12	0	18.46	18.45	18.49	18.62	18.88	19.9
5	QPSK	12	7	18.42	18.49	18.49	18.60	18.96	
5	QPSK	12	13	18.47	18.49	18.45	18.59	18.90	
5	QPSK	25	0	18.47	18.46	18.54	18.61	18.99	
5	16QAM	1	0	18.36	18.41	18.49	18.50	18.99	19.9
5	16QAM	1	12	18.42	18.52	18.47	18.54	19.03	
5	16QAM	1	24	18.35	18.41	18.38	18.49	18.97	
5	16QAM	12	0	18.45	18.44	18.45	18.57	18.91	19.9
5	16QAM	12	7	18.42	18.38	18.46	18.57	18.91	
5	16QAM	12	13	18.41	18.40	18.47	18.54	18.97	
5	16QAM	25	0	18.44	18.46	18.47	18.58	18.88	
5	64QAM	1	0	18.26	18.20	18.29	18.37	18.51	19.9
5	64QAM	1	12	18.13	18.24	18.21	18.35	18.55	
5	64QAM	1	24	18.07	18.31	18.22	18.36	18.59	
5	64QAM	12	0	18.47	18.41	18.45	18.60	18.86	19.9
5	64QAM	12	7	18.39	18.48	18.50	18.63	18.96	
5	64QAM	12	13	18.45	18.44	18.45	18.53	18.94	
5	64QAM	25	0	18.40	18.35	18.42	18.62	18.85	
5	256QAM	1	0	17.10	16.54	16.98	16.86	16.89	18.4
5	256QAM	1	12	16.95	16.55	16.99	16.65	16.87	
5	256QAM	1	24	16.90	16.56	16.99	16.80	16.93	
5	256QAM	12	0	17.09	16.67	17.14	17.09	17.20	18.4
5	256QAM	12	7	17.13	16.74	17.16	17.08	17.12	
5	256QAM	12	13	17.11	16.74	17.11	16.99	17.18	
5	256QAM	25	0	16.93	16.65	17.11	16.91	17.08	

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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	21.09	21.06	21.16	21.22	21.45	22.6
20	QPSK	1	49	21.09	21.05	21.15	21.21	21.44	
20	QPSK	1	99	20.99	21.00	21.02	21.13	21.42	
20	QPSK	50	0	20.60	20.61	20.61	20.74	21.00	22.6
20	QPSK	50	24	20.61	20.61	20.62	20.71	20.99	
20	QPSK	50	50	20.70	20.60	20.60	20.70	21.00	
20	QPSK	100	0	20.60	20.61	20.62	20.71	21.03	22.6
20	16QAM	1	0	20.61	20.71	20.77	20.71	20.95	
20	16QAM	1	49	20.64	20.72	20.75	20.72	20.94	
20	16QAM	1	99	20.71	20.73	20.72	20.73	20.94	21.6
20	16QAM	50	0	19.71	19.75	19.72	19.68	19.96	
20	16QAM	50	24	19.72	19.75	19.72	19.68	19.95	
20	16QAM	50	50	19.73	19.72	19.75	19.67	19.96	21.6
20	16QAM	100	0	19.73	19.72	19.60	19.69	19.97	
20	64QAM	1	0	19.43	19.28	19.39	19.44	19.73	
20	64QAM	1	49	19.43	19.25	19.40	19.36	19.72	20.6
20	64QAM	1	99	19.30	19.30	19.28	19.46	19.70	
20	64QAM	50	0	18.76	18.76	18.81	18.67	18.97	
20	64QAM	50	24	18.77	18.77	18.80	18.68	18.99	18.6
20	64QAM	50	50	18.76	18.75	18.77	18.67	19.00	
20	64QAM	100	0	18.77	18.74	18.78	18.66	18.97	
20	256QAM	1	0	17.07	16.66	17.09	16.92	16.94	18.6
20	256QAM	1	49	16.98	16.55	17.07	16.67	16.89	
20	256QAM	1	99	16.85	16.62	16.95	16.87	17.02	
20	256QAM	50	0	17.17	16.68	17.16	17.12	17.21	18.6
20	256QAM	50	24	17.16	16.79	17.21	17.07	17.15	
20	256QAM	50	50	17.17	16.72	17.17	17.02	17.14	
20	256QAM	100	0	17.03	16.70	17.11	17.02	17.10	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	21.06	20.93	21.07	21.06	21.39	22.60
15	QPSK	1	37	21.06	21.02	21.10	21.15	21.44	
15	QPSK	1	74	20.93	21.00	20.97	21.12	21.32	
15	QPSK	36	0	20.70	20.71	20.81	20.94	21.17	22.6
15	QPSK	36	20	20.75	20.79	20.73	20.82	21.16	
15	QPSK	36	39	20.85	20.73	20.80	20.82	21.14	
15	QPSK	75	0	20.72	20.80	20.76	20.86	21.22	22.6
15	16QAM	1	0	20.73	20.83	20.88	20.87	21.11	
15	16QAM	1	37	20.75	20.83	20.87	20.82	21.12	
15	16QAM	1	74	20.90	20.93	20.87	20.87	21.08	21.6
15	16QAM	36	0	19.66	19.73	19.65	19.63	19.93	
15	16QAM	36	20	19.63	19.72	19.68	19.65	19.91	
15	16QAM	36	39	19.72	19.65	19.71	19.62	19.94	21.6
15	16QAM	75	0	19.63	19.63	19.62	19.69	19.88	
15	64QAM	1	0	19.41	19.20	19.36	19.44	19.72	
15	64QAM	1	37	19.37	19.19	19.40	19.30	19.63	20.6
15	64QAM	1	74	19.23	19.29	19.26	19.41	19.67	
15	64QAM	36	0	18.67	18.67	18.78	18.65	18.94	
15	64QAM	36	20	18.75	18.69	18.74	18.61	18.90	18.6
15	64QAM	36	39	18.67	18.66	18.74	18.60	18.92	
15	64QAM	75	0	18.73	18.68	18.69	18.64	18.87	
15	256QAM	1	0	16.98	16.66	17.08	16.89	16.87	18.6
15	256QAM	1	37	16.97	16.51	16.97	16.61	16.79	
15	256QAM	1	74	16.80	16.61	16.93	16.77	16.95	
15	256QAM	36	0	17.12	16.65	17.07	17.12	17.21	18.6
15	256QAM	36	20	17.06	16.73	17.11	16.99	17.11	

15	256QAM	36	39	17.09	16.72	17.13	16.99	17.07	Tune-up limit (dBm)
15	256QAM	75	0	16.93	16.66	17.02	16.92	17.05	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	21.07	21.01	21.08	21.08	21.38	22.60
10	QPSK	1	25	21.00	20.97	21.05	21.16	21.40	
10	QPSK	1	49	20.91	20.99	20.94	21.09	21.40	
10	QPSK	25	0	20.79	20.72	20.81	20.85	21.12	22.6
10	QPSK	25	12	20.75	20.78	20.82	20.83	21.17	
10	QPSK	25	25	20.84	20.70	20.76	20.80	21.12	
10	QPSK	50	0	20.77	20.76	20.75	20.90	21.13	
10	16QAM	1	0	20.75	20.88	20.93	20.83	21.12	22.6
10	16QAM	1	25	20.79	20.90	20.95	20.88	21.05	
10	16QAM	1	49	20.81	20.87	20.82	20.86	21.09	
10	16QAM	25	0	19.64	19.74	19.64	19.65	19.88	21.6
10	16QAM	25	12	19.71	19.67	19.69	19.65	19.91	
10	16QAM	25	25	19.67	19.65	19.67	19.61	19.90	
10	16QAM	50	0	19.68	19.68	19.65	19.63	19.92	
10	64QAM	1	0	19.35	19.27	19.35	19.37	19.73	21.6
10	64QAM	1	25	19.42	19.18	19.33	19.35	19.66	
10	64QAM	1	49	19.30	19.23	19.19	19.42	19.64	
10	64QAM	25	0	18.74	18.75	18.78	18.66	18.97	20.6
10	64QAM	25	12	18.75	18.77	18.74	18.63	18.94	
10	64QAM	25	25	18.70	18.73	18.74	18.61	18.92	
10	64QAM	50	0	18.69	18.65	18.73	18.65	18.96	
10	256QAM	1	0	17.05	16.66	17.02	16.85	16.94	18.6
10	256QAM	1	25	16.90	16.50	17.03	16.66	16.80	
10	256QAM	1	49	16.77	16.57	16.91	16.77	17.01	
10	256QAM	25	0	17.14	16.66	17.07	17.03	17.20	18.6
10	256QAM	25	12	17.08	16.69	17.17	17.04	17.07	
10	256QAM	25	25	17.10	16.68	17.17	17.01	17.05	
10	256QAM	50	0	17.03	16.65	17.01	17.01	17.00	
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	21.03	21.00	20.99	21.11	21.37	22.60
5	QPSK	1	12	21.00	20.95	21.09	21.19	21.44	
5	QPSK	1	24	20.94	20.91	21.01	21.09	21.36	
5	QPSK	12	0	20.78	20.74	20.74	20.94	21.20	22.6
5	QPSK	12	7	20.76	20.76	20.81	20.91	21.15	
5	QPSK	12	13	20.88	20.77	20.70	20.84	21.16	
5	QPSK	25	0	20.70	20.74	20.74	20.90	21.15	
5	16QAM	1	0	20.80	20.87	20.89	20.84	21.05	22.6
5	16QAM	1	12	20.81	20.83	20.92	20.90	21.04	
5	16QAM	1	24	20.83	20.87	20.89	20.83	21.08	
5	16QAM	12	0	19.61	19.70	19.69	19.65	19.91	21.6
5	16QAM	12	7	19.64	19.67	19.63	19.65	19.91	
5	16QAM	12	13	19.70	19.62	19.66	19.61	19.94	
5	16QAM	25	0	19.71	19.68	19.60	19.66	19.96	
5	64QAM	1	0	19.43	19.23	19.39	19.39	19.67	21.6
5	64QAM	1	12	19.35	19.21	19.31	19.27	19.62	
5	64QAM	1	24	19.25	19.29	19.19	19.44	19.70	
5	64QAM	12	0	18.75	18.66	18.80	18.67	18.95	20.6
5	64QAM	12	7	18.75	18.70	18.72	18.67	18.91	
5	64QAM	12	13	18.71	18.72	18.71	18.66	18.93	
5	64QAM	25	0	18.73	18.66	18.75	18.65	18.88	
5	256QAM	1	0	16.99	16.59	17.09	16.84	16.93	18.6
5	256QAM	1	12	16.91	16.55	17.03	16.61	16.85	
5	256QAM	1	24	16.75	16.55	16.86	16.79	16.99	
5	256QAM	12	0	17.14	16.60	17.10	17.10	17.13	18.6
5	256QAM	12	7	17.09	16.72	17.15	17.01	17.15	
5	256QAM	12	13	17.10	16.63	17.11	16.98	17.11	
5	256QAM	25	0	16.97	16.61	17.01	17.00	17.05	

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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	21.09	21.06	21.16	21.22	21.45	21.9
20	QPSK	1	49	21.09	21.05	21.15	21.21	21.44	
20	QPSK	1	99	20.99	21.00	21.02	21.13	21.42	
20	QPSK	50	0	20.60	20.61	20.61	20.74	21.00	21.9
20	QPSK	50	24	20.61	20.61	20.62	20.71	20.99	
20	QPSK	50	50	20.70	20.60	20.60	20.70	21.00	
20	QPSK	100	0	20.60	20.61	20.62	20.71	21.03	21.9
20	16QAM	1	0	20.61	20.71	20.77	20.71	20.95	
20	16QAM	1	49	20.64	20.72	20.75	20.72	20.94	
20	16QAM	1	99	20.71	20.73	20.72	20.73	20.94	21.4
20	16QAM	50	0	19.71	19.75	19.72	19.68	19.96	
20	16QAM	50	24	19.72	19.75	19.72	19.68	19.95	
20	16QAM	50	50	19.73	19.72	19.75	19.67	19.96	21.4
20	16QAM	100	0	19.73	19.72	19.60	19.69	19.97	
20	64QAM	1	0	19.43	19.28	19.39	19.44	19.73	
20	64QAM	1	49	19.43	19.25	19.40	19.36	19.72	20.4
20	64QAM	1	99	19.30	19.30	19.28	19.46	19.70	
20	64QAM	50	0	18.76	18.76	18.81	18.67	18.97	
20	64QAM	50	24	18.77	18.77	18.80	18.68	18.99	18.4
20	64QAM	50	50	18.76	18.75	18.77	18.67	19.00	
20	64QAM	100	0	18.77	18.74	18.78	18.66	18.97	
20	256QAM	1	0	17.07	16.66	17.09	16.92	16.94	18.4
20	256QAM	1	49	16.98	16.55	17.07	16.67	16.89	
20	256QAM	1	99	16.85	16.62	16.95	16.87	17.02	
20	256QAM	50	0	17.17	16.68	17.16	17.12	17.21	18.4
20	256QAM	50	24	17.16	16.79	17.21	17.07	17.15	
20	256QAM	50	50	17.17	16.72	17.17	17.02	17.14	
20	256QAM	100	0	17.03	16.70	17.11	17.02	17.10	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	21.06	20.93	21.07	21.06	21.39	21.90
15	QPSK	1	37	21.06	21.02	21.10	21.15	21.44	
15	QPSK	1	74	20.93	21.00	20.97	21.12	21.32	
15	QPSK	36	0	20.70	20.71	20.81	20.94	21.17	21.9
15	QPSK	36	20	20.75	20.79	20.73	20.82	21.16	
15	QPSK	36	39	20.85	20.73	20.80	20.82	21.14	
15	QPSK	75	0	20.72	20.80	20.76	20.86	21.22	21.9
15	16QAM	1	0	20.73	20.83	20.88	20.87	21.11	
15	16QAM	1	37	20.75	20.83	20.87	20.82	21.12	
15	16QAM	1	74	20.90	20.93	20.87	20.87	21.08	21.4
15	16QAM	36	0	19.66	19.73	19.65	19.63	19.93	
15	16QAM	36	20	19.63	19.72	19.68	19.65	19.91	
15	16QAM	36	39	19.72	19.65	19.71	19.62	19.94	21.4
15	16QAM	75	0	19.63	19.63	19.62	19.69	19.88	
15	64QAM	1	0	19.41	19.20	19.36	19.44	19.72	
15	64QAM	1	37	19.37	19.19	19.40	19.30	19.63	20.4
15	64QAM	1	74	19.23	19.29	19.26	19.41	19.67	
15	64QAM	36	0	18.67	18.67	18.78	18.65	18.94	
15	64QAM	36	20	18.75	18.69	18.74	18.61	18.90	18.4
15	64QAM	36	39	18.67	18.66	18.74	18.60	18.92	
15	64QAM	75	0	18.73	18.68	18.69	18.64	18.87	
15	256QAM	1	0	16.98	16.66	17.08	16.89	16.87	18.4
15	256QAM	1	37	16.97	16.51	16.97	16.61	16.79	
15	256QAM	1	74	16.80	16.61	16.93	16.77	16.95	
15	256QAM	36	0	17.12	16.65	17.07	17.12	17.21	18.4
15	256QAM	36	20	17.06	16.73	17.11	16.99	17.11	
15	256QAM	36	39	17.09	16.72	17.13	16.99	17.07	

15	256QAM	75	0	16.93	16.66	17.02	16.92	17.05	Tune-up limit (dBm)
Channel				39700	40160	40620	41080	41540	
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	21.07	21.01	21.08	21.08	21.38	21.90
10	QPSK	1	25	21.00	20.97	21.05	21.16	21.40	
10	QPSK	1	49	20.91	20.99	20.94	21.09	21.40	
10	QPSK	25	0	20.79	20.72	20.81	20.85	21.12	21.9
10	QPSK	25	12	20.75	20.78	20.82	20.83	21.17	
10	QPSK	25	25	20.84	20.70	20.76	20.80	21.12	
10	QPSK	50	0	20.77	20.76	20.75	20.90	21.13	21.9
10	16QAM	1	0	20.75	20.88	20.93	20.83	21.12	
10	16QAM	1	25	20.79	20.90	20.95	20.88	21.05	
10	16QAM	1	49	20.81	20.87	20.82	20.86	21.09	21.4
10	16QAM	25	0	19.64	19.74	19.64	19.65	19.88	
10	16QAM	25	12	19.71	19.67	19.69	19.65	19.91	
10	16QAM	25	25	19.67	19.65	19.67	19.61	19.90	21.4
10	16QAM	50	0	19.68	19.68	19.65	19.63	19.92	
10	64QAM	1	0	19.35	19.27	19.35	19.37	19.73	
10	64QAM	1	25	19.42	19.18	19.33	19.35	19.66	21.4
10	64QAM	1	49	19.30	19.23	19.19	19.42	19.64	
10	64QAM	25	0	18.74	18.75	18.78	18.66	18.97	
10	64QAM	25	12	18.75	18.77	18.74	18.63	18.94	20.4
10	64QAM	25	25	18.70	18.73	18.74	18.61	18.92	
10	64QAM	50	0	18.69	18.65	18.73	18.65	18.96	
10	256QAM	1	0	17.05	16.66	17.02	16.85	16.94	18.4
10	256QAM	1	25	16.90	16.50	17.03	16.66	16.80	
10	256QAM	1	49	16.77	16.57	16.91	16.77	17.01	
10	256QAM	25	0	17.14	16.66	17.07	17.03	17.20	18.4
10	256QAM	25	12	17.08	16.69	17.17	17.04	17.07	
10	256QAM	25	25	17.10	16.68	17.17	17.01	17.05	
10	256QAM	50	0	17.03	16.65	17.01	17.01	17.00	Tune-up limit (dBm)
Channel				39675	40148	40620	41093	41565	
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	21.03	21.00	20.99	21.11	21.37	21.90
5	QPSK	1	12	21.00	20.95	21.09	21.19	21.44	
5	QPSK	1	24	20.94	20.91	21.01	21.09	21.36	
5	QPSK	12	0	20.78	20.74	20.74	20.94	21.20	21.9
5	QPSK	12	7	20.76	20.76	20.81	20.91	21.15	
5	QPSK	12	13	20.88	20.77	20.70	20.84	21.16	
5	QPSK	25	0	20.70	20.74	20.74	20.90	21.15	21.9
5	16QAM	1	0	20.80	20.87	20.89	20.84	21.05	
5	16QAM	1	12	20.81	20.83	20.92	20.90	21.04	
5	16QAM	1	24	20.83	20.87	20.89	20.83	21.08	21.4
5	16QAM	12	0	19.61	19.70	19.69	19.65	19.91	
5	16QAM	12	7	19.64	19.67	19.63	19.65	19.91	
5	16QAM	12	13	19.70	19.62	19.66	19.61	19.94	21.4
5	16QAM	25	0	19.71	19.68	19.60	19.66	19.96	
5	64QAM	1	0	19.43	19.23	19.39	19.39	19.67	
5	64QAM	1	12	19.35	19.21	19.31	19.27	19.62	20.4
5	64QAM	1	24	19.25	19.29	19.19	19.44	19.70	
5	64QAM	12	0	18.75	18.66	18.80	18.67	18.95	
5	64QAM	12	7	18.75	18.70	18.72	18.67	18.91	18.4
5	64QAM	12	13	18.71	18.72	18.71	18.66	18.93	
5	64QAM	25	0	18.73	18.66	18.75	18.65	18.88	
5	256QAM	1	0	16.99	16.59	17.09	16.84	16.93	18.4
5	256QAM	1	12	16.91	16.55	17.03	16.61	16.85	
5	256QAM	1	24	16.75	16.55	16.86	16.79	16.99	
5	256QAM	12	0	17.14	16.60	17.10	17.10	17.13	18.4
5	256QAM	12	7	17.09	16.72	17.15	17.01	17.15	
5	256QAM	12	13	17.10	16.63	17.11	16.98	17.11	
5	256QAM	25	0	16.97	16.61	17.01	17.00	17.05	



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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	24.60	24.71	24.81	24.77	24.85	26.5
20	QPSK	1	49	24.59	24.70	24.75	24.68	24.78	
20	QPSK	1	99	24.57	24.64	24.64	24.64	24.82	
20	QPSK	50	0	23.64	23.75	23.76	23.70	23.90	25.5
20	QPSK	50	24	23.63	23.73	23.72	23.69	23.89	
20	QPSK	50	50	23.61	23.74	23.73	23.68	23.92	
20	QPSK	100	0	23.61	23.72	23.72	23.71	23.87	25.5
20	16QAM	1	0	23.86	23.90	23.99	23.84	24.12	
20	16QAM	1	49	23.98	24.10	24.13	24.00	24.33	
20	16QAM	1	99	23.77	23.93	23.84	23.85	24.18	24.5
20	16QAM	50	0	22.65	22.72	22.78	22.70	22.89	
20	16QAM	50	24	22.64	22.73	22.75	22.68	22.93	
20	16QAM	50	50	22.62	22.74	22.74	22.72	23.00	24.5
20	16QAM	100	0	22.62	22.75	22.75	22.71	22.91	
20	64QAM	1	0	22.72	22.91	22.97	22.67	23.04	
20	64QAM	1	49	22.74	23.05	23.15	22.80	23.36	23.5
20	64QAM	1	99	22.61	23.01	22.84	22.73	23.09	
20	64QAM	50	0	21.66	21.73	21.80	21.70	21.91	
20	64QAM	50	24	21.66	21.77	21.75	21.71	21.95	21.5
20	64QAM	50	50	21.68	21.77	21.74	21.70	21.98	
20	64QAM	100	0	21.64	21.74	21.73	21.69	21.91	
20	256QAM	1	0	20.03	19.63	20.17	20.06	20.07	21.5
20	256QAM	1	49	20.18	19.72	20.24	20.02	20.15	
20	256QAM	1	99	19.92	19.62	20.05	19.78	20.01	
20	256QAM	50	0	20.17	19.82	20.27	20.12	20.27	21.5
20	256QAM	50	24	20.17	19.80	20.26	20.09	20.23	
20	256QAM	50	50	20.13	19.79	20.23	20.02	20.24	
20	256QAM	100	0	20.12	19.77	20.16	20.04	20.18	
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	24.51	24.60	24.67	24.53	24.72	26.50
15	QPSK	1	37	24.67	24.78	24.76	24.75	24.80	
15	QPSK	1	74	24.50	24.56	24.62	24.64	24.85	
15	QPSK	36	0	23.56	23.65	23.75	23.59	23.84	25.5
15	QPSK	36	20	23.63	23.66	23.62	23.68	23.84	
15	QPSK	36	39	23.52	23.72	23.69	23.59	23.82	
15	QPSK	75	0	23.60	23.68	23.64	23.71	23.82	25.5
15	16QAM	1	0	23.83	23.81	23.90	23.81	24.10	
15	16QAM	1	37	23.90	24.07	24.06	23.98	24.30	
15	16QAM	1	74	23.76	23.85	23.75	23.76	24.13	24.5
15	16QAM	36	0	22.57	22.63	22.76	22.68	22.79	
15	16QAM	36	20	22.56	22.63	22.70	22.65	22.91	
15	16QAM	36	39	22.57	22.70	22.64	22.63	22.97	24.5
15	16QAM	75	0	22.56	22.70	22.75	22.65	22.85	
15	64QAM	1	0	22.64	22.86	22.95	22.65	23.03	
15	64QAM	1	37	22.73	22.95	23.06	22.79	23.30	23.5
15	64QAM	1	74	22.52	22.97	22.76	22.64	23.00	
15	64QAM	36	0	21.60	21.69	21.75	21.65	21.89	
15	64QAM	36	20	21.62	21.71	21.69	21.63	21.89	23.5
15	64QAM	36	39	21.67	21.74	21.67	21.66	21.93	
15	64QAM	75	0	21.63	21.71	21.64	21.66	21.90	



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15	256QAM	1	0	19.96	19.62	20.14	20.01	20.05	21.5
15	256QAM	1	37	20.12	19.72	20.15	19.99	20.06	
15	256QAM	1	74	19.92	19.56	20.02	19.77	19.91	
15	256QAM	36	0	20.09	19.82	20.26	20.07	20.20	21.5
15	256QAM	36	20	20.17	19.80	20.17	20.09	20.14	
15	256QAM	36	39	20.05	19.76	20.23	20.01	20.14	
15	256QAM	75	0	20.07	19.74	20.07	20.00	20.15	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	24.56	24.54	24.65	24.55	24.74	26.50
10	QPSK	1	25	24.62	24.70	24.76	24.76	24.80	
10	QPSK	1	49	24.57	24.63	24.55	24.63	24.76	
10	QPSK	25	0	23.56	23.73	23.73	23.60	23.79	25.5
10	QPSK	25	12	23.54	23.63	23.66	23.69	23.80	
10	QPSK	25	25	23.53	23.67	23.67	23.68	23.87	
10	QPSK	50	0	23.59	23.66	23.62	23.66	23.86	
10	16QAM	1	0	23.76	23.89	23.98	23.80	24.09	25.5
10	16QAM	1	25	23.89	24.03	24.07	23.96	24.29	
10	16QAM	1	49	23.77	23.85	23.82	23.83	24.08	
10	16QAM	25	0	22.57	22.63	22.72	22.69	22.87	24.5
10	16QAM	25	12	22.57	22.67	22.70	22.66	22.90	
10	16QAM	25	25	22.57	22.66	22.64	22.65	22.95	
10	16QAM	50	0	22.55	22.69	22.68	22.68	22.84	
10	64QAM	1	0	22.64	22.91	22.92	22.65	23.01	24.5
10	64QAM	1	25	22.73	22.95	23.15	22.75	23.36	
10	64QAM	1	49	22.54	22.92	22.77	22.67	23.07	
10	64QAM	25	0	21.62	21.65	21.77	21.70	21.82	23.5
10	64QAM	25	12	21.64	21.68	21.66	21.61	21.92	
10	64QAM	25	25	21.67	21.76	21.72	21.63	21.98	
10	64QAM	50	0	21.64	21.74	21.65	21.59	21.88	
10	256QAM	1	0	20.02	19.60	20.10	20.03	20.02	21.5
10	256QAM	1	25	20.12	19.65	20.17	20.01	20.13	
10	256QAM	1	49	19.85	19.62	20.01	19.69	19.91	
10	256QAM	25	0	20.15	19.73	20.18	20.05	20.21	21.5
10	256QAM	25	12	20.08	19.72	20.24	20.06	20.22	
10	256QAM	25	25	20.08	19.72	20.17	19.95	20.17	
10	256QAM	50	0	20.05	19.71	20.11	19.96	20.15	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	24.56	24.50	24.64	24.54	24.73	26.50
5	QPSK	1	12	24.65	24.71	24.79	24.71	24.80	
5	QPSK	1	24	24.57	24.59	24.56	24.54	24.82	
5	QPSK	12	0	23.54	23.73	23.66	23.57	23.85	25.5
5	QPSK	12	7	23.59	23.68	23.72	23.69	23.87	
5	QPSK	12	13	23.56	23.69	23.73	23.68	23.89	
5	QPSK	25	0	23.54	23.68	23.70	23.68	23.82	
5	16QAM	1	0	23.79	23.87	23.97	23.78	24.06	25.5
5	16QAM	1	12	23.98	24.07	24.06	23.92	24.27	
5	16QAM	1	24	23.75	23.89	23.78	23.84	24.17	
5	16QAM	12	0	22.57	22.62	22.74	22.63	22.79	24.5
5	16QAM	12	7	22.63	22.64	22.65	22.59	22.85	
5	16QAM	12	13	22.61	22.70	22.74	22.69	22.91	
5	16QAM	25	0	22.61	22.72	22.69	22.69	22.81	
5	64QAM	1	0	22.68	22.84	22.90	22.65	22.98	24.5
5	64QAM	1	12	22.74	22.95	23.07	22.80	23.26	
5	64QAM	1	24	22.58	22.98	22.83	22.71	23.09	

5	64QAM	12	0	21.66	21.64	21.74	21.69	21.87	23.5
5	64QAM	12	7	21.58	21.75	21.66	21.71	21.94	
5	64QAM	12	13	21.63	21.71	21.71	21.68	21.89	
5	64QAM	25	0	21.60	21.68	21.73	21.65	21.91	
5	256QAM	1	0	19.94	19.53	20.17	20.01	19.98	21.5
5	256QAM	1	12	20.10	19.71	20.18	19.92	20.10	
5	256QAM	1	24	19.88	19.62	19.97	19.77	19.91	
5	256QAM	12	0	20.08	19.79	20.18	20.03	20.23	21.5
5	256QAM	12	7	20.13	19.77	20.19	20.07	20.21	
5	256QAM	12	13	20.04	19.75	20.20	19.98	20.24	
5	256QAM	25	0	20.10	19.68	20.13	19.99	20.09	

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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	19.93	19.89	19.95	20.08	20.07	21.6
20	QPSK	1	49	19.85	19.88	19.88	19.99	20.06	
20	QPSK	1	99	19.84	19.88	19.87	20.07	20.05	
20	QPSK	50	0	19.98	20.00	20.02	20.12	20.44	21.6
20	QPSK	50	24	19.96	19.98	20.01	20.11	20.45	
20	QPSK	50	50	19.96	19.97	20.00	20.10	20.49	
20	QPSK	100	0	19.96	19.97	19.98	20.11	20.45	
20	16QAM	1	0	20.41	20.26	20.42	20.43	20.66	21.6
20	16QAM	1	49	20.28	20.23	20.41	20.37	20.67	
20	16QAM	1	99	20.18	20.26	20.31	20.42	20.61	
20	16QAM	50	0	19.95	19.92	20.01	20.08	20.41	21.6
20	16QAM	50	24	19.94	19.93	20.00	20.07	20.42	
20	16QAM	50	50	19.93	19.92	19.99	20.06	20.43	
20	16QAM	100	0	19.96	19.95	19.98	20.11	20.43	
20	64QAM	1	0	20.24	20.20	20.25	20.47	20.48	21.6
20	64QAM	1	49	20.22	20.23	20.17	20.38	20.64	
20	64QAM	1	99	20.06	20.16	20.03	20.32	20.53	
20	64QAM	50	0	19.97	19.93	20.01	20.10	20.45	21.6
20	64QAM	50	24	19.97	19.95	19.99	20.10	20.45	
20	64QAM	50	50	19.96	19.93	19.97	20.10	20.45	
20	64QAM	100	0	19.94	19.93	19.96	20.09	20.41	
20	256QAM	1	0	19.66	19.56	19.84	19.68	19.70	21.5
20	256QAM	1	49	19.81	19.69	19.79	19.61	19.74	
20	256QAM	1	99	19.62	19.69	19.67	19.61	19.55	
20	256QAM	50	0	19.71	19.75	19.87	19.68	19.87	21.5
20	256QAM	50	24	19.85	19.78	19.80	19.72	19.76	
20	256QAM	50	50	19.66	19.73	19.93	19.69	19.81	
20	256QAM	100	0	19.67	19.65	19.70	19.61	19.80	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	19.87	19.78	19.94	19.94	20.20	21.60
15	QPSK	1	37	19.78	19.82	19.83	19.99	20.24	
15	QPSK	1	74	19.77	19.81	19.82	20.05	20.32	
15	QPSK	36	0	19.93	19.92	19.95	20.07	20.34	21.6
15	QPSK	36	20	19.93	19.89	19.96	20.02	20.45	
15	QPSK	36	39	19.86	19.96	19.92	20.10	20.47	
15	QPSK	75	0	19.90	19.93	19.93	20.05	20.39	
15	16QAM	1	0	20.36	20.22	20.34	20.39	20.57	21.6
15	16QAM	1	37	20.21	20.18	20.31	20.31	20.66	



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15	16QAM	1	74	20.14	20.25	20.30	20.39	20.51	
15	16QAM	36	0	19.95	19.92	19.99	20.02	20.38	21.6
15	16QAM	36	20	19.85	19.93	19.94	20.06	20.40	
15	16QAM	36	39	19.90	19.89	19.99	19.96	20.43	
15	16QAM	75	0	19.92	19.95	19.90	20.03	20.38	
15	64QAM	1	0	20.20	20.10	20.17	20.47	20.43	21.6
15	64QAM	1	37	20.19	20.18	20.13	20.37	20.59	
15	64QAM	1	74	20.02	20.06	19.98	20.26	20.44	
15	64QAM	36	0	19.95	19.89	19.98	20.06	20.37	21.6
15	64QAM	36	20	19.91	19.88	19.97	20.02	20.41	
15	64QAM	36	39	19.94	19.86	19.89	20.03	20.45	
15	64QAM	75	0	19.88	19.84	19.88	20.08	20.35	
15	256QAM	1	0	19.63	19.60	19.80	19.68	19.62	21.5
15	256QAM	1	37	19.77	19.63	19.74	19.51	19.71	
15	256QAM	1	74	19.54	19.60	19.60	19.59	19.60	
15	256QAM	36	0	19.63	19.66	19.86	19.61	19.87	21.5
15	256QAM	36	20	19.83	19.76	19.74	19.70	19.68	
15	256QAM	36	39	19.61	19.68	19.84	19.67	19.77	
15	256QAM	75	0	19.62	19.59	19.63	19.57	19.72	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	19.91	19.74	19.87	19.96	20.28	21.60
10	QPSK	1	25	19.75	19.84	19.79	19.98	20.28	
10	QPSK	1	49	19.82	19.84	19.78	19.97	20.28	
10	QPSK	25	0	19.95	19.91	20.01	20.04	20.40	21.6
10	QPSK	25	12	19.89	19.96	19.94	20.10	20.41	
10	QPSK	25	25	19.91	19.90	19.99	20.00	20.46	
10	QPSK	50	0	19.87	19.88	19.96	20.09	20.35	
10	16QAM	1	0	20.35	20.22	20.38	20.42	20.58	21.6
10	16QAM	1	25	20.27	20.20	20.39	20.34	20.59	
10	16QAM	1	49	20.12	20.16	20.31	20.39	20.52	
10	16QAM	25	0	19.95	19.88	19.94	20.05	20.31	21.6
10	16QAM	25	12	19.94	19.86	19.93	20.07	20.32	
10	16QAM	25	25	19.89	19.82	19.95	20.03	20.40	
10	16QAM	50	0	19.92	19.86	19.96	20.10	20.34	
10	64QAM	1	0	20.19	20.15	20.18	20.38	20.39	21.6
10	64QAM	1	25	20.16	20.21	20.17	20.37	20.63	
10	64QAM	1	49	20.03	20.16	20.00	20.32	20.51	
10	64QAM	25	0	19.90	19.92	19.92	20.08	20.39	21.6
10	64QAM	25	12	19.90	19.93	19.93	20.09	20.43	
10	64QAM	25	25	19.88	19.93	19.95	20.01	20.41	
10	64QAM	50	0	19.91	19.91	19.94	20.04	20.33	
10	256QAM	1	0	19.64	19.67	19.78	19.61	19.61	21.5
10	256QAM	1	25	19.72	19.62	19.73	19.59	19.73	
10	256QAM	1	49	19.62	19.67	19.67	19.53	19.59	
10	256QAM	25	0	19.71	19.69	19.81	19.66	19.79	21.5
10	256QAM	25	12	19.84	19.72	19.80	19.67	19.69	
10	256QAM	25	25	19.62	19.65	19.88	19.60	19.76	
10	256QAM	50	0	19.58	19.64	19.65	19.57	19.71	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	19.89	19.80	19.85	19.98	20.28	21.60
5	QPSK	1	12	19.79	19.87	19.86	19.93	20.20	
5	QPSK	1	24	19.79	19.87	19.83	20.04	20.33	
5	QPSK	12	0	19.91	19.90	20.02	20.07	20.44	21.6
5	QPSK	12	7	19.88	19.91	20.00	20.05	20.44	



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5	QPSK	12	13	19.90	19.88	19.97	20.01	20.42	
5	QPSK	25	0	19.88	19.87	19.90	20.02	20.43	
5	16QAM	1	0	20.40	20.22	20.33	20.33	20.64	
5	16QAM	1	12	20.19	20.18	20.39	20.28	20.66	21.6
5	16QAM	1	24	20.12	20.22	20.28	20.38	20.60	
5	16QAM	12	0	19.87	19.87	20.00	20.00	20.33	
5	16QAM	12	7	19.94	19.84	19.96	20.03	20.41	21.6
5	16QAM	12	13	19.83	19.89	19.99	20.04	20.35	
5	16QAM	25	0	19.87	19.89	19.95	20.06	20.39	
5	64QAM	1	0	20.14	20.19	20.21	20.43	20.38	21.6
5	64QAM	1	12	20.12	20.14	20.09	20.34	20.63	
5	64QAM	1	24	20.00	20.11	19.93	20.30	20.46	
5	64QAM	12	0	19.88	19.88	19.98	20.10	20.37	21.6
5	64QAM	12	7	19.89	19.90	19.94	20.08	20.41	
5	64QAM	12	13	19.89	19.90	19.88	20.08	20.45	
5	64QAM	25	0	19.94	19.89	19.89	20.07	20.31	21.5
5	256QAM	1	0	19.58	19.64	19.82	19.68	19.66	
5	256QAM	1	12	19.80	19.59	19.79	19.60	19.72	
5	256QAM	1	24	19.59	19.59	19.57	19.55	19.66	21.5
5	256QAM	12	0	19.71	19.74	19.86	19.59	19.82	
5	256QAM	12	7	19.79	19.71	19.75	19.64	19.73	
5	256QAM	12	13	19.59	19.73	19.86	19.67	19.71	21.5
5	256QAM	25	0	19.64	19.61	19.66	19.51	19.78	

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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	22.65	22.63	22.73	22.79	23.11	24.3
20	QPSK	1	49	22.57	22.59	22.60	22.70	23.04	
20	QPSK	1	99	22.60	22.62	22.63	22.75	23.10	
20	QPSK	50	0	22.66	22.70	22.70	22.83	23.18	24.3
20	QPSK	50	24	22.65	22.68	22.69	22.82	23.18	
20	QPSK	50	50	22.63	22.68	22.68	22.82	23.18	
20	QPSK	100	0	22.63	22.66	22.68	22.81	23.16	24.3
20	16QAM	1	0	23.28	22.94	23.14	23.16	23.58	
20	16QAM	1	49	22.91	22.87	22.95	23.03	23.39	
20	16QAM	1	99	22.95	22.94	22.99	23.31	23.44	24.3
20	16QAM	50	0	22.66	22.67	22.71	22.79	23.15	
20	16QAM	50	24	22.67	22.68	22.66	22.79	23.14	
20	16QAM	50	50	22.67	22.69	22.64	22.79	23.14	24.3
20	16QAM	100	0	22.62	22.60	22.71	22.77	23.16	
20	64QAM	1	0	22.90	22.75	22.93	22.88	23.29	
20	64QAM	1	49	22.83	22.72	22.86	22.82	23.29	24.3
20	64QAM	1	99	22.71	22.70	22.73	22.80	23.22	
20	64QAM	50	0	21.68	21.68	21.69	21.81	22.16	
20	64QAM	50	24	21.66	21.67	21.70	21.79	22.16	23.3
20	64QAM	50	50	21.65	21.69	21.68	21.83	22.18	
20	64QAM	100	0	21.66	21.63	21.70	21.78	22.17	
20	256QAM	1	0	19.99	19.56	20.07	20.06	19.98	21.3
20	256QAM	1	49	20.09	19.69	20.23	20.01	20.15	
20	256QAM	1	99	19.87	19.60	20.00	19.69	19.93	
20	256QAM	50	0	20.11	19.74	20.20	20.04	20.25	21.3
20	256QAM	50	24	20.07	19.72	20.26	20.03	20.22	
20	256QAM	50	50	20.12	19.73	20.15	19.95	20.21	



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20	256QAM	100	0	20.10	19.72	20.10	20.02	20.14	
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	22.59	22.53	22.72	22.75	23.08	24.30
15	QPSK	1	37	22.50	22.52	22.54	22.66	23.02	
15	QPSK	1	74	22.54	22.53	22.56	22.71	23.09	
15	QPSK	36	0	22.63	22.66	22.70	22.73	23.10	24.3
15	QPSK	36	20	22.58	22.65	22.67	22.79	23.10	
15	QPSK	36	39	22.63	22.66	22.68	22.72	23.15	
15	QPSK	75	0	22.60	22.64	22.64	22.78	23.14	
15	16QAM	1	0	23.21	22.87	23.05	23.14	23.56	24.3
15	16QAM	1	37	22.88	22.77	22.93	22.93	23.33	
15	16QAM	1	74	22.89	22.94	22.89	23.25	23.40	
15	16QAM	36	0	22.56	22.62	22.62	22.74	23.07	24.3
15	16QAM	36	20	22.66	22.60	22.61	22.78	23.07	
15	16QAM	36	39	22.60	22.65	22.59	22.76	23.06	
15	16QAM	75	0	22.53	22.55	22.61	22.74	23.14	
15	64QAM	1	0	22.89	22.72	22.93	22.84	23.27	24.3
15	64QAM	1	37	22.83	22.70	22.76	22.77	23.27	
15	64QAM	1	74	22.61	22.64	22.70	22.77	23.22	
15	64QAM	36	0	21.66	21.59	21.68	21.79	22.08	23.3
15	64QAM	36	20	21.62	21.63	21.66	21.69	22.09	
15	64QAM	36	39	21.62	21.63	21.61	21.81	22.17	
15	64QAM	75	0	21.56	21.57	21.67	21.75	22.10	
15	256QAM	1	0	19.93	19.52	20.05	20.02	19.94	21.3
15	256QAM	1	37	20.02	19.67	20.22	19.95	20.06	
15	256QAM	1	74	19.86	19.52	19.99	19.66	19.84	
15	256QAM	36	0	20.01	19.71	20.19	19.99	20.25	21.3
15	256QAM	36	20	20.04	19.67	20.17	20.03	20.21	
15	256QAM	36	39	20.10	19.71	20.05	19.92	20.14	
15	256QAM	75	0	20.01	19.66	20.07	20.01	20.14	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	22.63	22.55	22.69	22.77	23.02	24.30
10	QPSK	1	25	22.55	22.51	22.50	22.60	22.95	
10	QPSK	1	49	22.60	22.61	22.55	22.74	23.04	
10	QPSK	25	0	22.57	22.60	22.68	22.79	23.08	24.3
10	QPSK	25	12	22.63	22.58	22.66	22.77	23.10	
10	QPSK	25	25	22.53	22.62	22.61	22.72	23.13	
10	QPSK	50	0	22.61	22.56	22.59	22.76	23.16	
10	16QAM	1	0	23.19	22.91	23.04	23.16	23.56	24.3
10	16QAM	1	25	22.88	22.81	22.87	22.96	23.29	
10	16QAM	1	49	22.91	22.90	22.91	23.24	23.42	
10	16QAM	25	0	22.57	22.58	22.68	22.75	23.11	24.3
10	16QAM	25	12	22.61	22.67	22.64	22.76	23.12	
10	16QAM	25	25	22.60	22.59	22.61	22.69	23.07	
10	16QAM	50	0	22.52	22.58	22.62	22.70	23.15	
10	64QAM	1	0	22.90	22.70	22.89	22.81	23.24	24.3
10	64QAM	1	25	22.77	22.71	22.84	22.80	23.23	
10	64QAM	1	49	22.62	22.68	22.67	22.79	23.22	
10	64QAM	25	0	21.64	21.67	21.59	21.73	22.08	23.3
10	64QAM	25	12	21.65	21.59	21.69	21.75	22.15	
10	64QAM	25	25	21.63	21.64	21.58	21.78	22.17	
10	64QAM	50	0	21.59	21.54	21.66	21.73	22.07	
10	256QAM	1	0	19.99	19.48	20.05	19.99	19.92	21.3
10	256QAM	1	25	20.02	19.59	20.18	19.92	20.09	

10	256QAM	1	49	19.86	19.53	19.91	19.61	19.89	21.3
10	256QAM	25	0	20.07	19.66	20.17	20.01	20.16	
10	256QAM	25	12	20.07	19.63	20.19	19.99	20.16	
10	256QAM	25	25	20.08	19.67	20.11	19.93	20.16	
10	256QAM	50	0	20.09	19.68	20.04	19.99	20.08	
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	22.61	22.60	22.64	22.78	23.06	24.30
5	QPSK	1	12	22.54	22.54	22.52	22.62	23.03	
5	QPSK	1	24	22.60	22.53	22.61	22.72	23.10	
5	QPSK	12	0	22.60	22.66	22.69	22.81	23.14	24.3
5	QPSK	12	7	22.56	22.66	22.65	22.81	23.15	
5	QPSK	12	13	22.61	22.66	22.58	22.76	23.09	
5	QPSK	25	0	22.54	22.62	22.64	22.72	23.11	
5	16QAM	1	0	23.19	22.90	23.14	23.11	23.56	24.3
5	16QAM	1	12	22.91	22.78	22.90	22.96	23.36	
5	16QAM	1	24	22.87	22.93	22.90	23.21	23.35	
5	16QAM	12	0	22.63	22.66	22.70	22.77	23.13	24.3
5	16QAM	12	7	22.58	22.67	22.60	22.72	23.05	
5	16QAM	12	13	22.63	22.59	22.60	22.76	23.06	
5	16QAM	25	0	22.60	22.58	22.69	22.67	23.13	
5	64QAM	1	0	22.86	22.73	22.92	22.78	23.27	24.3
5	64QAM	1	12	22.76	22.64	22.78	22.75	23.29	
5	64QAM	1	24	22.64	22.64	22.70	22.80	23.18	
5	64QAM	12	0	21.66	21.58	21.64	21.81	22.11	23.3
5	64QAM	12	7	21.57	21.59	21.64	21.77	22.15	
5	64QAM	12	13	21.59	21.64	21.59	21.80	22.16	
5	64QAM	25	0	21.63	21.58	21.70	21.70	22.10	
5	256QAM	1	0	19.97	19.56	19.97	19.98	19.88	21.3
5	256QAM	1	12	20.01	19.60	20.13	19.94	20.12	
5	256QAM	1	24	19.85	19.54	19.98	19.65	19.87	
5	256QAM	12	0	20.10	19.66	20.11	20.00	20.21	21.3
5	256QAM	12	7	20.04	19.68	20.16	20.01	20.19	
5	256QAM	12	13	20.09	19.65	20.09	19.91	20.13	
5	256QAM	25	0	20.06	19.62	20.04	20.02	20.05	

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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	22.65	22.63	22.73	22.79	23.11	23.6
20	QPSK	1	49	22.57	22.59	22.60	22.70	23.04	
20	QPSK	1	99	22.60	22.62	22.63	22.75	23.10	
20	QPSK	50	0	22.66	22.70	22.70	22.83	23.18	23.6
20	QPSK	50	24	22.65	22.68	22.69	22.82	23.18	
20	QPSK	50	50	22.63	22.68	22.68	22.82	23.18	
20	QPSK	100	0	22.63	22.66	22.68	22.81	23.16	
20	16QAM	1	0	23.28	22.94	23.14	23.16	23.58	23.6
20	16QAM	1	49	22.91	22.87	22.95	23.03	23.39	
20	16QAM	1	99	22.95	22.94	22.99	23.31	23.44	
20	16QAM	50	0	22.66	22.67	22.71	22.79	23.15	23.6
20	16QAM	50	24	22.67	22.68	22.66	22.79	23.14	
20	16QAM	50	50	22.67	22.69	22.64	22.79	23.14	
20	16QAM	100	0	22.62	22.60	22.71	22.77	23.16	
20	64QAM	1	0	22.90	22.75	22.93	22.88	23.29	23.6



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20	64QAM	1	49	22.83	22.72	22.86	22.82	23.29	23.6
20	64QAM	1	99	22.71	22.70	22.73	22.80	23.22	
20	64QAM	50	0	21.68	21.68	21.69	21.81	22.16	
20	64QAM	50	24	21.66	21.67	21.70	21.79	22.16	
20	64QAM	50	50	21.65	21.69	21.68	21.83	22.18	
20	64QAM	100	0	21.66	21.63	21.70	21.78	22.17	21.1
20	256QAM	1	0	19.99	19.56	20.07	20.06	19.98	
20	256QAM	1	49	20.09	19.69	20.23	20.01	20.15	
20	256QAM	1	99	19.87	19.60	20.00	19.69	19.93	21.1
20	256QAM	50	0	20.11	19.74	20.20	20.04	20.25	
20	256QAM	50	24	20.07	19.72	20.26	20.03	20.22	
20	256QAM	50	50	20.12	19.73	20.15	19.95	20.21	
20	256QAM	100	0	20.10	19.72	20.10	20.02	20.14	Tune-up limit (dBm)
Channel				39725	40173	40620	41068	41515	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	23.60
15	QPSK	1	0	22.59	22.53	22.72	22.75	23.08	
15	QPSK	1	37	22.50	22.52	22.54	22.66	23.02	23.6
15	QPSK	1	74	22.54	22.53	22.56	22.71	23.09	
15	QPSK	36	0	22.63	22.66	22.70	22.73	23.10	
15	QPSK	36	20	22.58	22.65	22.67	22.79	23.10	23.6
15	QPSK	36	39	22.63	22.66	22.68	22.72	23.15	
15	QPSK	75	0	22.60	22.64	22.64	22.78	23.14	
15	16QAM	1	0	23.21	22.87	23.05	23.14	23.56	23.6
15	16QAM	1	37	22.88	22.77	22.93	22.93	23.33	
15	16QAM	1	74	22.89	22.94	22.89	23.25	23.40	
15	16QAM	36	0	22.56	22.62	22.62	22.74	23.07	23.6
15	16QAM	36	20	22.66	22.60	22.61	22.78	23.07	
15	16QAM	36	39	22.60	22.65	22.59	22.76	23.06	
15	16QAM	75	0	22.53	22.55	22.61	22.74	23.14	
15	64QAM	1	0	22.89	22.72	22.93	22.84	23.27	23.6
15	64QAM	1	37	22.83	22.70	22.76	22.77	23.27	
15	64QAM	1	74	22.61	22.64	22.70	22.77	23.22	
15	64QAM	36	0	21.66	21.59	21.68	21.79	22.08	23.6
15	64QAM	36	20	21.62	21.63	21.66	21.69	22.09	
15	64QAM	36	39	21.62	21.63	21.61	21.81	22.17	
15	64QAM	75	0	21.56	21.57	21.67	21.75	22.10	
15	256QAM	1	0	19.93	19.52	20.05	20.02	19.94	21.1
15	256QAM	1	37	20.02	19.67	20.22	19.95	20.06	
15	256QAM	1	74	19.86	19.52	19.99	19.66	19.84	
15	256QAM	36	0	20.01	19.71	20.19	19.99	20.25	21.1
15	256QAM	36	20	20.04	19.67	20.17	20.03	20.21	
15	256QAM	36	39	20.10	19.71	20.05	19.92	20.14	
15	256QAM	75	0	20.01	19.66	20.07	20.01	20.14	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	22.63	22.55	22.69	22.77	23.02	23.60
10	QPSK	1	25	22.55	22.51	22.50	22.60	22.95	
10	QPSK	1	49	22.60	22.61	22.55	22.74	23.04	
10	QPSK	25	0	22.57	22.60	22.68	22.79	23.08	23.6
10	QPSK	25	12	22.63	22.58	22.66	22.77	23.10	
10	QPSK	25	25	22.53	22.62	22.61	22.72	23.13	
10	QPSK	50	0	22.61	22.56	22.59	22.76	23.16	
10	16QAM	1	0	23.19	22.91	23.04	23.16	23.56	23.6
10	16QAM	1	25	22.88	22.81	22.87	22.96	23.29	
10	16QAM	1	49	22.91	22.90	22.91	23.24	23.42	
10	16QAM	25	0	22.57	22.58	22.68	22.75	23.11	23.6



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10	16QAM	25	12	22.61	22.67	22.64	22.76	23.12	
10	16QAM	25	25	22.60	22.59	22.61	22.69	23.07	
10	16QAM	50	0	22.52	22.58	22.62	22.70	23.15	
10	64QAM	1	0	22.90	22.70	22.89	22.81	23.24	23.6
10	64QAM	1	25	22.77	22.71	22.84	22.80	23.23	
10	64QAM	1	49	22.62	22.68	22.67	22.79	23.22	
10	64QAM	25	0	21.64	21.67	21.59	21.73	22.08	23.6
10	64QAM	25	12	21.65	21.59	21.69	21.75	22.15	
10	64QAM	25	25	21.63	21.64	21.58	21.78	22.17	
10	64QAM	50	0	21.59	21.54	21.66	21.73	22.07	
10	256QAM	1	0	19.99	19.48	20.05	19.99	19.92	21.1
10	256QAM	1	25	20.02	19.59	20.18	19.92	20.09	
10	256QAM	1	49	19.86	19.53	19.91	19.61	19.89	
10	256QAM	25	0	20.07	19.66	20.17	20.01	20.16	21.1
10	256QAM	25	12	20.07	19.63	20.19	19.99	20.16	
10	256QAM	25	25	20.08	19.67	20.11	19.93	20.16	
10	256QAM	50	0	20.09	19.68	20.04	19.99	20.08	
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	22.61	22.60	22.64	22.78	23.06	23.60
5	QPSK	1	12	22.54	22.54	22.52	22.62	23.03	
5	QPSK	1	24	22.60	22.53	22.61	22.72	23.10	
5	QPSK	12	0	22.60	22.66	22.69	22.81	23.14	23.6
5	QPSK	12	7	22.56	22.66	22.65	22.81	23.15	
5	QPSK	12	13	22.61	22.66	22.58	22.76	23.09	
5	QPSK	25	0	22.54	22.62	22.64	22.72	23.11	
5	16QAM	1	0	23.19	22.90	23.14	23.11	23.56	23.6
5	16QAM	1	12	22.91	22.78	22.90	22.96	23.36	
5	16QAM	1	24	22.87	22.93	22.90	23.21	23.35	
5	16QAM	12	0	22.63	22.66	22.70	22.77	23.13	23.6
5	16QAM	12	7	22.58	22.67	22.60	22.72	23.05	
5	16QAM	12	13	22.63	22.59	22.60	22.76	23.06	
5	16QAM	25	0	22.60	22.58	22.69	22.67	23.13	
5	64QAM	1	0	22.86	22.73	22.92	22.78	23.27	23.6
5	64QAM	1	12	22.76	22.64	22.78	22.75	23.29	
5	64QAM	1	24	22.64	22.64	22.70	22.80	23.18	
5	64QAM	12	0	21.66	21.58	21.64	21.81	22.11	23.6
5	64QAM	12	7	21.57	21.59	21.64	21.77	22.15	
5	64QAM	12	13	21.59	21.64	21.59	21.80	22.16	
5	64QAM	25	0	21.63	21.58	21.70	21.70	22.10	
5	256QAM	1	0	19.97	19.56	19.97	19.98	19.88	21.1
5	256QAM	1	12	20.01	19.60	20.13	19.94	20.12	
5	256QAM	1	24	19.85	19.54	19.98	19.65	19.87	
5	256QAM	12	0	20.10	19.66	20.11	20.00	20.21	21.1
5	256QAM	12	7	20.04	19.68	20.16	20.01	20.19	
5	256QAM	12	13	20.09	19.65	20.09	19.91	20.13	
5	256QAM	25	0	20.06	19.62	20.04	20.02	20.05	



<LTE Band 41_PC3_Ant 2_Index 2>

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	22.75	22.78	22.66	22.56	22.56	23.9
20	QPSK	1	49	22.75	22.77	22.65	22.56	22.55	
20	QPSK	1	99	22.52	22.60	22.53	22.46	22.44	
20	QPSK	50	0	21.75	21.76	21.65	21.53	21.53	22.9
20	QPSK	50	24	21.73	21.69	21.63	21.51	21.50	
20	QPSK	50	50	21.71	21.69	21.61	21.52	21.50	
20	QPSK	100	0	21.73	21.76	21.63	21.51	21.50	22.9
20	16QAM	1	0	21.80	21.55	21.52	21.43	21.38	
20	16QAM	1	49	21.89	21.65	21.61	21.45	21.45	
20	16QAM	1	99	21.70	21.58	21.55	21.41	21.29	21.9
20	16QAM	50	0	20.73	20.65	20.61	20.50	20.49	
20	16QAM	50	24	20.70	20.65	20.60	20.49	20.45	
20	16QAM	50	50	20.67	20.65	20.57	20.47	20.45	21.9
20	16QAM	100	0	20.71	20.63	20.60	20.48	20.47	
20	64QAM	1	0	20.42	20.27	20.25	20.10	20.10	
20	64QAM	1	49	20.35	20.25	20.31	20.12	20.12	21.9
20	64QAM	1	99	20.31	20.26	20.16	20.13	20.12	
20	64QAM	50	0	19.72	19.63	19.59	19.48	19.46	
20	64QAM	50	24	19.68	19.63	19.58	19.48	19.46	20.9
20	64QAM	50	50	19.66	19.62	19.55	19.46	19.43	
20	64QAM	100	0	19.68	19.62	19.59	19.46	19.44	
20	256QAM	1	0	18.09	17.72	18.01	17.79	17.83	18.9
20	256QAM	1	49	17.87	17.87	17.90	17.84	17.84	
20	256QAM	1	99	17.74	17.69	17.82	17.70	17.68	
20	256QAM	50	0	18.00	17.94	18.09	17.99	18.02	18.9
20	256QAM	50	24	17.93	17.95	18.03	17.91	17.86	
20	256QAM	50	50	17.94	17.88	17.96	17.93	17.76	
20	256QAM	100	0	17.87	17.76	17.99	17.89	17.81	Tune-up limit (dBm)
Channel				39725	40173	40620	41068	41515	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	23.90
15	QPSK	1	0	22.68	22.63	22.51	22.53	22.43	
15	QPSK	1	37	22.72	22.78	22.71	22.71	22.73	
15	QPSK	1	74	22.70	22.63	22.57	22.48	22.44	22.9
15	QPSK	36	0	21.75	21.67	21.58	21.53	21.46	
15	QPSK	36	20	21.74	21.67	21.61	21.49	21.43	
15	QPSK	36	39	21.71	21.66	21.63	21.53	21.44	22.9
15	QPSK	75	0	21.74	21.65	21.56	21.54	21.48	
15	16QAM	1	0	21.90	21.68	21.70	21.32	21.57	
15	16QAM	1	37	22.00	21.79	21.73	21.30	21.50	22.9
15	16QAM	1	74	21.86	21.74	21.76	21.45	21.38	
15	16QAM	36	0	20.68	20.61	20.59	20.46	20.42	
15	16QAM	36	20	20.69	20.60	20.54	20.43	20.34	21.9
15	16QAM	36	39	20.64	20.59	20.53	20.46	20.39	
15	16QAM	75	0	20.75	20.61	20.59	20.46	20.42	
15	64QAM	1	0	20.47	20.24	20.25	20.12	20.12	21.9
15	64QAM	1	37	20.39	20.26	20.37	20.13	20.12	
15	64QAM	1	74	20.28	20.26	20.25	20.21	20.13	
15	64QAM	36	0	19.75	19.65	19.59	19.50	19.46	20.9
15	64QAM	36	20	19.74	19.60	19.55	19.47	19.44	
15	64QAM	36	39	19.71	19.63	19.57	19.46	19.45	
15	64QAM	75	0	19.72	19.63	19.60	19.47	19.43	18.9
15	256QAM	1	0	17.99	17.68	17.90	17.90	17.73	
15	256QAM	1	37	17.87	17.78	17.81	17.77	17.74	
15	256QAM	1	74	17.68	17.64	17.80	17.70	17.68	18.9
15	256QAM	36	0	17.99	17.94	18.03	17.98	18.00	
15	256QAM	36	20	17.87	17.85	17.93	17.91	17.76	
15	256QAM	36	39	17.90	17.84	17.91	17.92	17.76	



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15	256QAM	75	0	17.78	17.71	17.85	17.82	17.77	Tune-up limit (dBm)
Channel				39700	40160	40620	41080	41540	
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	22.75	22.64	22.53	22.55	22.50	23.90
10	QPSK	1	25	22.75	22.69	22.61	22.55	22.50	
10	QPSK	1	49	22.78	22.65	22.63	22.53	22.51	
10	QPSK	25	0	21.81	21.74	21.66	21.59	21.56	22.9
10	QPSK	25	12	21.80	21.78	21.68	21.55	21.53	
10	QPSK	25	25	21.76	21.75	21.71	21.61	21.56	
10	QPSK	50	0	21.79	21.70	21.63	21.57	21.56	22.9
10	16QAM	1	0	21.74	21.70	21.62	21.46	21.62	
10	16QAM	1	25	21.62	21.57	21.48	21.28	21.37	
10	16QAM	1	49	21.69	21.67	21.64	21.49	21.41	21.9
10	16QAM	25	0	20.82	20.75	20.71	20.59	20.61	
10	16QAM	25	12	20.82	20.76	20.70	20.56	20.53	
10	16QAM	25	25	20.74	20.74	20.70	20.58	20.57	21.9
10	16QAM	50	0	20.76	20.67	20.64	20.51	20.52	
10	64QAM	1	0	20.45	20.36	20.38	20.16	20.13	
10	64QAM	1	25	20.28	20.24	20.43	20.20	20.11	21.9
10	64QAM	1	49	20.28	20.42	20.37	20.26	20.13	
10	64QAM	25	0	19.77	19.68	19.65	19.54	19.51	20.9
10	64QAM	25	12	19.76	19.65	19.62	19.53	19.50	
10	64QAM	25	25	19.71	19.66	19.63	19.52	19.47	
10	64QAM	50	0	19.76	19.64	19.69	19.55	19.50	18.9
10	256QAM	1	0	17.94	17.70	17.95	17.95	17.79	
10	256QAM	1	25	17.85	17.84	17.86	17.77	17.82	
10	256QAM	1	49	17.68	17.67	17.80	17.64	17.67	18.9
10	256QAM	25	0	17.98	17.94	18.00	17.90	18.02	
10	256QAM	25	12	17.93	17.87	17.99	17.84	17.83	
10	256QAM	25	25	17.87	17.81	17.90	17.88	17.74	18.9
10	256QAM	50	0	17.84	17.76	17.87	17.86	17.78	
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	22.72	22.68	22.52	22.53	22.47	
5	QPSK	1	12	22.70	22.76	22.71	22.71	22.70	23.90
5	QPSK	1	24	22.70	22.65	22.60	22.53	22.51	
5	QPSK	12	0	21.67	21.63	21.55	21.48	21.43	22.9
5	QPSK	12	7	21.70	21.62	21.55	21.43	21.42	
5	QPSK	12	13	21.64	21.63	21.61	21.48	21.45	
5	QPSK	25	0	21.73	21.71	21.59	21.52	21.50	22.9
5	16QAM	1	0	21.70	21.62	21.55	21.34	21.54	
5	16QAM	1	12	21.79	21.68	21.59	21.43	21.57	
5	16QAM	1	24	21.72	21.68	21.64	21.49	21.36	21.9
5	16QAM	12	0	20.61	20.57	20.54	20.41	20.37	
5	16QAM	12	7	20.61	20.52	20.48	20.35	20.30	
5	16QAM	12	13	20.56	20.56	20.52	20.40	20.35	21.9
5	16QAM	25	0	20.74	20.71	20.65	20.50	20.47	
5	64QAM	1	0	20.46	20.30	20.28	20.13	20.13	
5	64QAM	1	12	20.44	20.30	20.45	20.36	20.13	20.9
5	64QAM	1	24	20.24	20.32	20.27	20.19	20.20	
5	64QAM	12	0	19.60	19.58	19.51	19.45	19.42	
5	64QAM	12	7	19.61	19.53	19.45	19.43	19.41	18.9
5	64QAM	12	13	19.56	19.56	19.51	19.43	19.40	
5	64QAM	25	0	19.70	19.66	19.61	19.47	19.43	
5	256QAM	1	0	17.97	17.65	17.96	17.92	17.78	18.9
5	256QAM	1	12	17.80	17.84	17.86	17.83	17.77	
5	256QAM	1	24	17.71	17.65	17.80	17.66	17.61	
5	256QAM	12	0	18.00	17.93	17.98	17.91	18.00	18.9
5	256QAM	12	7	17.93	17.93	17.97	17.83	17.78	
5	256QAM	12	13	17.93	17.88	17.93	17.88	17.73	
5	256QAM	25	0	17.79	17.69	17.87	17.86	17.72	



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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	22.75	22.78	22.66	22.56	22.56	23.3
20	QPSK	1	49	22.75	22.77	22.65	22.56	22.55	
20	QPSK	1	99	22.52	22.60	22.53	22.46	22.44	
20	QPSK	50	0	21.75	21.76	21.65	21.53	21.53	22.3
20	QPSK	50	24	21.73	21.69	21.63	21.51	21.50	
20	QPSK	50	50	21.71	21.69	21.61	21.52	21.50	
20	QPSK	100	0	21.73	21.76	21.63	21.51	21.50	22.3
20	16QAM	1	0	21.80	21.55	21.52	21.43	21.38	
20	16QAM	1	49	21.89	21.65	21.61	21.45	21.45	
20	16QAM	1	99	21.70	21.58	21.55	21.41	21.29	21.3
20	16QAM	50	0	20.73	20.65	20.61	20.50	20.49	
20	16QAM	50	24	20.70	20.65	20.60	20.49	20.45	
20	16QAM	50	50	20.67	20.65	20.57	20.47	20.45	21.3
20	16QAM	100	0	20.71	20.63	20.60	20.48	20.47	
20	64QAM	1	0	20.42	20.27	20.25	20.10	20.10	
20	64QAM	1	49	20.35	20.25	20.31	20.12	20.12	20.3
20	64QAM	1	99	20.31	20.26	20.16	20.13	20.12	
20	64QAM	50	0	19.72	19.63	19.59	19.48	19.46	
20	64QAM	50	24	19.68	19.63	19.58	19.48	19.46	18.3
20	64QAM	50	50	19.66	19.62	19.55	19.46	19.43	
20	64QAM	100	0	19.68	19.62	19.59	19.46	19.44	
20	256QAM	1	0	18.09	17.72	18.01	17.79	17.83	18.3
20	256QAM	1	49	17.87	17.87	17.90	17.84	17.84	
20	256QAM	1	99	17.74	17.69	17.82	17.70	17.68	
20	256QAM	50	0	18.00	17.94	18.09	17.99	18.02	18.3
20	256QAM	50	24	17.93	17.95	18.03	17.91	17.86	
20	256QAM	50	50	17.94	17.88	17.96	17.93	17.76	
20	256QAM	100	0	17.87	17.76	17.99	17.89	17.81	Tune-up limit (dBm)
Channel				39725	40173	40620	41068	41515	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	23.30
15	QPSK	1	0	22.68	22.63	22.51	22.53	22.43	
15	QPSK	1	37	22.72	22.78	22.71	22.71	22.73	22.3
15	QPSK	1	74	22.70	22.63	22.57	22.48	22.44	
15	QPSK	36	0	21.75	21.67	21.58	21.53	21.46	
15	QPSK	36	20	21.74	21.67	21.61	21.49	21.43	22.3
15	QPSK	36	39	21.71	21.66	21.63	21.53	21.44	
15	QPSK	75	0	21.74	21.65	21.56	21.54	21.48	
15	16QAM	1	0	21.90	21.68	21.70	21.32	21.57	22.3
15	16QAM	1	37	22.00	21.79	21.73	21.30	21.50	
15	16QAM	1	74	21.86	21.74	21.76	21.45	21.38	
15	16QAM	36	0	20.68	20.61	20.59	20.46	20.42	21.3
15	16QAM	36	20	20.69	20.60	20.54	20.43	20.34	
15	16QAM	36	39	20.64	20.59	20.53	20.46	20.39	
15	16QAM	75	0	20.75	20.61	20.59	20.46	20.42	21.3
15	64QAM	1	0	20.47	20.24	20.25	20.12	20.12	
15	64QAM	1	37	20.39	20.26	20.37	20.13	20.12	
15	64QAM	1	74	20.28	20.26	20.25	20.21	20.13	20.3
15	64QAM	36	0	19.75	19.65	19.59	19.50	19.46	
15	64QAM	36	20	19.74	19.60	19.55	19.47	19.44	
15	64QAM	36	39	19.71	19.63	19.57	19.46	19.45	18.3
15	64QAM	75	0	19.72	19.63	19.60	19.47	19.43	
15	256QAM	1	0	17.99	17.68	17.90	17.90	17.73	
15	256QAM	1	37	17.87	17.78	17.81	17.77	17.74	18.3
15	256QAM	1	74	17.68	17.64	17.80	17.70	17.68	
15	256QAM	36	0	17.99	17.94	18.03	17.98	18.00	
15	256QAM	36	20	17.87	17.85	17.93	17.91	17.76	18.3
15	256QAM	36	39	17.90	17.84	17.91	17.92	17.76	



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15	256QAM	75	0	17.78	17.71	17.85	17.82	17.77	Tune-up limit (dBm)
Channel				39700	40160	40620	41080	41540	
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	22.75	22.64	22.53	22.55	22.50	23.3
10	QPSK	1	25	22.75	22.69	22.61	22.55	22.50	
10	QPSK	1	49	22.78	22.65	22.63	22.53	22.51	
10	QPSK	25	0	21.81	21.74	21.66	21.59	21.56	22.3
10	QPSK	25	12	21.80	21.78	21.68	21.55	21.53	
10	QPSK	25	25	21.76	21.75	21.71	21.61	21.56	
10	QPSK	50	0	21.79	21.70	21.63	21.57	21.56	22.3
10	16QAM	1	0	21.74	21.70	21.62	21.46	21.62	
10	16QAM	1	25	21.62	21.57	21.48	21.28	21.37	
10	16QAM	1	49	21.69	21.67	21.64	21.49	21.41	21.3
10	16QAM	25	0	20.82	20.75	20.71	20.59	20.61	
10	16QAM	25	12	20.82	20.76	20.70	20.56	20.53	
10	16QAM	25	25	20.74	20.74	20.70	20.58	20.57	21.3
10	16QAM	50	0	20.76	20.67	20.64	20.51	20.52	
10	64QAM	1	0	20.45	20.36	20.38	20.16	20.13	
10	64QAM	1	25	20.28	20.24	20.43	20.20	20.11	21.3
10	64QAM	1	49	20.28	20.42	20.37	20.26	20.13	
10	64QAM	25	0	19.77	19.68	19.65	19.54	19.51	
10	64QAM	25	12	19.76	19.65	19.62	19.53	19.50	20.3
10	64QAM	25	25	19.71	19.66	19.63	19.52	19.47	
10	64QAM	50	0	19.76	19.64	19.69	19.55	19.50	
10	256QAM	1	0	17.94	17.70	17.95	17.95	17.79	18.3
10	256QAM	1	25	17.85	17.84	17.86	17.77	17.82	
10	256QAM	1	49	17.68	17.67	17.80	17.64	17.67	
10	256QAM	25	0	17.98	17.94	18.00	17.90	18.02	18.3
10	256QAM	25	12	17.93	17.87	17.99	17.84	17.83	
10	256QAM	25	25	17.87	17.81	17.90	17.88	17.74	
10	256QAM	50	0	17.84	17.76	17.87	17.86	17.78	Tune-up limit (dBm)
Channel				39675	40148	40620	41093	41565	
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	22.72	22.68	22.52	22.53	22.47	23.30
5	QPSK	1	12	22.70	22.76	22.71	22.71	22.70	
5	QPSK	1	24	22.70	22.65	22.60	22.53	22.51	
5	QPSK	12	0	21.67	21.63	21.55	21.48	21.43	22.3
5	QPSK	12	7	21.70	21.62	21.55	21.43	21.42	
5	QPSK	12	13	21.64	21.63	21.61	21.48	21.45	
5	QPSK	25	0	21.73	21.71	21.59	21.52	21.50	22.3
5	16QAM	1	0	21.70	21.62	21.55	21.34	21.54	
5	16QAM	1	12	21.79	21.68	21.59	21.43	21.57	
5	16QAM	1	24	21.72	21.68	21.64	21.49	21.36	21.3
5	16QAM	12	0	20.61	20.57	20.54	20.41	20.37	
5	16QAM	12	7	20.61	20.52	20.48	20.35	20.30	
5	16QAM	12	13	20.56	20.56	20.52	20.40	20.35	21.3
5	16QAM	25	0	20.74	20.71	20.65	20.50	20.47	
5	64QAM	1	0	20.46	20.30	20.28	20.13	20.13	
5	64QAM	1	12	20.44	20.30	20.45	20.36	20.13	20.3
5	64QAM	1	24	20.24	20.32	20.27	20.19	20.20	
5	64QAM	12	0	19.60	19.58	19.51	19.45	19.42	
5	64QAM	12	7	19.61	19.53	19.45	19.43	19.41	18.3
5	64QAM	12	13	19.56	19.56	19.51	19.43	19.40	
5	64QAM	25	0	19.70	19.66	19.61	19.47	19.43	
5	256QAM	1	0	17.97	17.65	17.96	17.92	17.78	18.3
5	256QAM	1	12	17.80	17.84	17.86	17.83	17.77	
5	256QAM	1	24	17.71	17.65	17.80	17.66	17.61	
5	256QAM	12	0	18.00	17.93	17.98	17.91	18.00	18.3
5	256QAM	12	7	17.93	17.93	17.97	17.83	17.78	
5	256QAM	12	13	17.93	17.88	17.93	17.88	17.73	
5	256QAM	25	0	17.79	17.69	17.87	17.86	17.72	



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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	20.91	20.83	20.85	20.82	20.92	21.2
20	QPSK	1	49	20.80	20.71	20.72	20.72	20.79	
20	QPSK	1	99	20.80	20.80	20.77	20.76	20.84	
20	QPSK	50	0	21.00	20.89	20.89	20.86	21.01	21.2
20	QPSK	50	24	20.94	20.88	20.87	20.85	20.98	
20	QPSK	50	50	20.93	20.89	20.86	20.85	20.97	
20	QPSK	100	0	20.94	20.87	20.87	20.86	20.98	21.2
20	16QAM	1	0	20.96	20.95	20.93	20.87	21.03	
20	16QAM	1	49	20.81	20.87	20.80	20.77	20.94	
20	16QAM	1	99	20.91	20.90	20.84	20.81	21.03	21.2
20	16QAM	50	0	20.75	20.66	20.68	20.63	20.76	
20	16QAM	50	24	20.72	20.65	20.66	20.63	20.74	
20	16QAM	50	50	20.68	20.67	20.63	20.61	20.72	21.2
20	16QAM	100	0	20.73	20.68	20.67	20.66	20.75	
20	64QAM	1	0	20.55	20.46	20.38	20.45	20.45	
20	64QAM	1	49	20.45	20.37	20.30	20.28	20.44	21.2
20	64QAM	1	99	20.46	20.42	20.25	20.31	20.43	
20	64QAM	50	0	19.73	19.67	19.65	19.63	19.74	
20	64QAM	50	24	19.73	19.67	19.66	19.63	19.75	20.7
20	64QAM	50	50	19.69	19.64	19.62	19.60	19.71	
20	64QAM	100	0	19.68	19.65	19.64	19.64	19.72	
20	256QAM	1	0	18.06	17.69	17.96	17.75	17.74	18.7
20	256QAM	1	49	17.83	17.79	17.87	17.82	17.82	
20	256QAM	1	99	17.72	17.68	17.79	17.60	17.66	
20	256QAM	50	0	17.93	17.91	18.09	17.99	17.92	18.7
20	256QAM	50	24	17.88	17.87	17.93	17.88	17.86	
20	256QAM	50	50	17.92	17.81	17.90	17.89	17.70	
20	256QAM	100	0	17.82	17.73	17.89	17.88	17.72	
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	20.88	20.76	20.81	20.81	20.91	21.20
15	QPSK	1	37	20.73	20.70	20.69	20.69	20.70	
15	QPSK	1	74	20.79	20.75	20.76	20.66	20.80	
15	QPSK	36	0	20.96	20.85	20.88	20.82	21.01	21.2
15	QPSK	36	20	20.89	20.82	20.85	20.77	20.90	
15	QPSK	36	39	20.91	20.86	20.81	20.84	20.96	
15	QPSK	75	0	20.89	20.87	20.82	20.83	20.88	21.2
15	16QAM	1	0	20.87	20.93	20.85	20.81	21.02	
15	16QAM	1	37	20.77	20.78	20.77	20.73	20.93	
15	16QAM	1	74	20.88	20.85	20.77	20.72	20.98	21.2
15	16QAM	36	0	20.67	20.62	20.60	20.54	20.71	
15	16QAM	36	20	20.64	20.59	20.65	20.56	20.68	
15	16QAM	36	39	20.64	20.64	20.61	20.52	20.71	21.2
15	16QAM	75	0	20.64	20.60	20.62	20.59	20.74	
15	64QAM	1	0	20.51	20.36	20.28	20.39	20.35	
15	64QAM	1	37	20.43	20.30	20.22	20.27	20.36	21.2
15	64QAM	1	74	20.44	20.35	20.15	20.26	20.35	
15	64QAM	36	0	19.67	19.67	19.65	19.60	19.68	
15	64QAM	36	20	19.70	19.67	19.66	19.55	19.72	20.7
15	64QAM	36	39	19.65	19.64	19.61	19.54	19.65	
15	64QAM	75	0	19.60	19.58	19.63	19.57	19.63	
15	256QAM	1	0	18.01	17.63	17.94	17.65	17.68	18.7
15	256QAM	1	37	17.79	17.75	17.87	17.72	17.81	
15	256QAM	1	74	17.66	17.58	17.76	17.57	17.64	
15	256QAM	36	0	17.91	17.82	18.03	17.98	17.86	18.7
15	256QAM	36	20	17.80	17.85	17.91	17.88	17.77	
15	256QAM	36	39	17.86	17.80	17.89	17.86	17.62	



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15	256QAM	75	0	17.72	17.63	17.85	17.79	17.64	Tune-up limit (dBm)
Channel				39700	40160	40620	41080	41540	
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	20.87	20.83	20.75	20.81	20.85	21.20
10	QPSK	1	25	20.80	20.63	20.64	20.68	20.74	
10	QPSK	1	49	20.74	20.74	20.76	20.74	20.82	
10	QPSK	25	0	20.95	20.89	20.82	20.77	20.97	21.2
10	QPSK	25	12	20.84	20.86	20.87	20.80	20.90	
10	QPSK	25	25	20.89	20.87	20.85	20.85	20.94	
10	QPSK	50	0	20.94	20.81	20.86	20.83	20.91	21.2
10	16QAM	1	0	20.93	20.91	20.83	20.79	21.00	
10	16QAM	1	25	20.76	20.85	20.71	20.77	20.90	
10	16QAM	1	49	20.85	20.89	20.83	20.80	21.03	21.2
10	16QAM	25	0	20.65	20.60	20.66	20.57	20.71	
10	16QAM	25	12	20.62	20.61	20.65	20.60	20.70	
10	16QAM	25	25	20.65	20.63	20.62	20.57	20.71	21.2
10	16QAM	50	0	20.63	20.68	20.59	20.63	20.75	
10	64QAM	1	0	20.51	20.40	20.34	20.44	20.36	
10	64QAM	1	25	20.40	20.31	20.22	20.19	20.44	21.2
10	64QAM	1	49	20.39	20.34	20.19	20.29	20.34	
10	64QAM	25	0	19.65	19.57	19.61	19.53	19.69	20.7
10	64QAM	25	12	19.70	19.62	19.64	19.55	19.74	
10	64QAM	25	25	19.62	19.61	19.52	19.50	19.62	
10	64QAM	50	0	19.65	19.55	19.62	19.61	19.67	18.7
10	256QAM	1	0	18.02	17.68	17.93	17.69	17.68	
10	256QAM	1	25	17.80	17.74	17.80	17.77	17.75	
10	256QAM	1	49	17.71	17.58	17.69	17.50	17.60	18.7
10	256QAM	25	0	17.89	17.91	18.00	17.96	17.88	
10	256QAM	25	12	17.86	17.77	17.93	17.79	17.85	
10	256QAM	25	25	17.90	17.80	17.83	17.88	17.61	18.7
10	256QAM	50	0	17.73	17.68	17.82	17.79	17.71	
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	20.81	20.81	20.82	20.74	20.89	
5	QPSK	1	12	20.79	20.71	20.70	20.72	20.74	21.20
5	QPSK	1	24	20.79	20.73	20.69	20.68	20.78	
5	QPSK	12	0	20.94	20.89	20.89	20.85	20.96	21.2
5	QPSK	12	7	20.90	20.81	20.86	20.80	20.88	
5	QPSK	12	13	20.84	20.87	20.86	20.75	20.92	
5	QPSK	25	0	20.87	20.85	20.84	20.82	20.88	21.2
5	16QAM	1	0	20.86	20.85	20.90	20.84	20.96	
5	16QAM	1	12	20.75	20.85	20.76	20.69	20.91	
5	16QAM	1	24	20.84	20.88	20.76	20.73	21.03	21.2
5	16QAM	12	0	20.73	20.61	20.58	20.56	20.75	
5	16QAM	12	7	20.63	20.61	20.61	20.59	20.64	
5	16QAM	12	13	20.68	20.64	20.54	20.56	20.63	21.2
5	16QAM	25	0	20.68	20.61	20.65	20.59	20.72	
5	64QAM	1	0	20.45	20.43	20.31	20.41	20.40	
5	64QAM	1	12	20.39	20.30	20.30	20.21	20.34	21.2
5	64QAM	1	24	20.42	20.39	20.17	20.28	20.37	
5	64QAM	12	0	19.67	19.61	19.63	19.59	19.74	
5	64QAM	12	7	19.66	19.65	19.65	19.53	19.69	20.7
5	64QAM	12	13	19.63	19.60	19.52	19.58	19.66	
5	64QAM	25	0	19.60	19.63	19.55	19.63	19.65	
5	256QAM	1	0	18.01	17.64	17.95	17.69	17.73	18.7
5	256QAM	1	12	17.77	17.71	17.80	17.81	17.74	
5	256QAM	1	24	17.62	17.62	17.76	17.59	17.59	
5	256QAM	12	0	17.85	17.89	18.03	17.96	17.92	18.7
5	256QAM	12	7	17.87	17.79	17.90	17.86	17.83	
5	256QAM	12	13	17.84	17.81	17.85	17.84	17.62	
5	256QAM	25	0	17.75	17.70	17.82	17.86	17.69	

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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	20.91	20.83	20.85	20.82	20.92	22.3
20	QPSK	1	49	20.80	20.71	20.72	20.72	20.79	
20	QPSK	1	99	20.80	20.80	20.77	20.76	20.84	
20	QPSK	50	0	21.00	20.89	20.89	20.86	21.01	22.3
20	QPSK	50	24	20.94	20.88	20.87	20.85	20.98	
20	QPSK	50	50	20.93	20.89	20.86	20.85	20.97	
20	QPSK	100	0	20.94	20.87	20.87	20.86	20.98	22.3
20	16QAM	1	0	20.96	20.95	20.93	20.87	21.03	
20	16QAM	1	49	20.81	20.87	20.80	20.77	20.94	
20	16QAM	1	99	20.91	20.90	20.84	20.81	21.03	21.8
20	16QAM	50	0	20.75	20.66	20.68	20.63	20.76	
20	16QAM	50	24	20.72	20.65	20.66	20.63	20.74	
20	16QAM	50	50	20.68	20.67	20.63	20.61	20.72	21.8
20	16QAM	100	0	20.73	20.68	20.67	20.66	20.75	
20	64QAM	1	0	20.55	20.46	20.38	20.45	20.45	
20	64QAM	1	49	20.45	20.37	20.30	20.28	20.44	20.8
20	64QAM	1	99	20.46	20.42	20.25	20.31	20.43	
20	64QAM	50	0	19.73	19.67	19.65	19.63	19.74	
20	64QAM	50	24	19.73	19.67	19.66	19.63	19.75	18.8
20	64QAM	50	50	19.69	19.64	19.62	19.60	19.71	
20	64QAM	100	0	19.68	19.65	19.64	19.64	19.72	
20	256QAM	1	0	18.06	17.69	17.96	17.75	17.74	18.8
20	256QAM	1	49	17.83	17.79	17.87	17.82	17.82	
20	256QAM	1	99	17.72	17.68	17.79	17.60	17.66	
20	256QAM	50	0	17.93	17.91	18.09	17.99	17.92	18.8
20	256QAM	50	24	17.88	17.87	17.93	17.88	17.86	
20	256QAM	50	50	17.92	17.81	17.90	17.89	17.70	
20	256QAM	100	0	17.82	17.73	17.89	17.88	17.72	
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	20.88	20.76	20.81	20.81	20.91	22.3
15	QPSK	1	37	20.73	20.70	20.69	20.69	20.70	
15	QPSK	1	74	20.79	20.75	20.76	20.66	20.80	
15	QPSK	36	0	20.96	20.85	20.88	20.82	21.01	22.3
15	QPSK	36	20	20.89	20.82	20.85	20.77	20.90	
15	QPSK	36	39	20.91	20.86	20.81	20.84	20.96	
15	QPSK	75	0	20.89	20.87	20.82	20.83	20.88	22.3
15	16QAM	1	0	20.87	20.93	20.85	20.81	21.02	
15	16QAM	1	37	20.77	20.78	20.77	20.73	20.93	
15	16QAM	1	74	20.88	20.85	20.77	20.72	20.98	21.8
15	16QAM	36	0	20.67	20.62	20.60	20.54	20.71	
15	16QAM	36	20	20.64	20.59	20.65	20.56	20.68	
15	16QAM	36	39	20.64	20.64	20.61	20.52	20.71	21.8
15	16QAM	75	0	20.64	20.60	20.62	20.59	20.74	
15	64QAM	1	0	20.51	20.36	20.28	20.39	20.35	
15	64QAM	1	37	20.43	20.30	20.22	20.27	20.36	20.8
15	64QAM	1	74	20.44	20.35	20.15	20.26	20.35	
15	64QAM	36	0	19.67	19.67	19.65	19.60	19.68	
15	64QAM	36	20	19.70	19.67	19.66	19.55	19.72	18.8
15	64QAM	36	39	19.65	19.64	19.61	19.54	19.65	
15	64QAM	75	0	19.60	19.58	19.63	19.57	19.63	
15	256QAM	1	0	18.01	17.63	17.94	17.65	17.68	18.8
15	256QAM	1	37	17.79	17.75	17.87	17.72	17.81	
15	256QAM	1	74	17.66	17.58	17.76	17.57	17.64	
15	256QAM	36	0	17.91	17.82	18.03	17.98	17.86	18.8
15	256QAM	36	20	17.80	17.85	17.91	17.88	17.77	
15	256QAM	36	39	17.86	17.80	17.89	17.86	17.62	



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15	256QAM	75	0	17.72	17.63	17.85	17.79	17.64	Tune-up limit (dBm)
Channel				39700	40160	40620	41080	41540	
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	20.87	20.83	20.75	20.81	20.85	22.30
10	QPSK	1	25	20.80	20.63	20.64	20.68	20.74	
10	QPSK	1	49	20.74	20.74	20.76	20.74	20.82	
10	QPSK	25	0	20.95	20.89	20.82	20.77	20.97	22.3
10	QPSK	25	12	20.84	20.86	20.87	20.80	20.90	
10	QPSK	25	25	20.89	20.87	20.85	20.85	20.94	
10	QPSK	50	0	20.94	20.81	20.86	20.83	20.91	22.3
10	16QAM	1	0	20.93	20.91	20.83	20.79	21.00	
10	16QAM	1	25	20.76	20.85	20.71	20.77	20.90	
10	16QAM	1	49	20.85	20.89	20.83	20.80	21.03	21.8
10	16QAM	25	0	20.65	20.60	20.66	20.57	20.71	
10	16QAM	25	12	20.62	20.61	20.65	20.60	20.70	
10	16QAM	25	25	20.65	20.63	20.62	20.57	20.71	21.8
10	16QAM	50	0	20.63	20.68	20.59	20.63	20.75	
10	64QAM	1	0	20.51	20.40	20.34	20.44	20.36	
10	64QAM	1	25	20.40	20.31	20.22	20.19	20.44	20.8
10	64QAM	1	49	20.39	20.34	20.19	20.29	20.34	
10	64QAM	25	0	19.65	19.57	19.61	19.53	19.69	
10	64QAM	25	12	19.70	19.62	19.64	19.55	19.74	18.8
10	64QAM	25	25	19.62	19.61	19.52	19.50	19.62	
10	64QAM	50	0	19.65	19.55	19.62	19.61	19.67	
10	256QAM	1	0	18.02	17.68	17.93	17.69	17.68	18.8
10	256QAM	1	25	17.80	17.74	17.80	17.77	17.75	
10	256QAM	1	49	17.71	17.58	17.69	17.50	17.60	
10	256QAM	25	0	17.89	17.91	18.00	17.96	17.88	18.8
10	256QAM	25	12	17.86	17.77	17.93	17.79	17.85	
10	256QAM	25	25	17.90	17.80	17.83	17.88	17.61	
10	256QAM	50	0	17.73	17.68	17.82	17.79	17.71	Tune-up limit (dBm)
Channel				39675	40148	40620	41093	41565	
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	20.81	20.81	20.82	20.74	20.89	22.30
5	QPSK	1	12	20.79	20.71	20.70	20.72	20.74	
5	QPSK	1	24	20.79	20.73	20.69	20.68	20.78	
5	QPSK	12	0	20.94	20.89	20.89	20.85	20.96	22.3
5	QPSK	12	7	20.90	20.81	20.86	20.80	20.88	
5	QPSK	12	13	20.84	20.87	20.86	20.75	20.92	
5	QPSK	25	0	20.87	20.85	20.84	20.82	20.88	22.3
5	16QAM	1	0	20.86	20.85	20.90	20.84	20.96	
5	16QAM	1	12	20.75	20.85	20.76	20.69	20.91	
5	16QAM	1	24	20.84	20.88	20.76	20.73	21.03	21.8
5	16QAM	12	0	20.73	20.61	20.58	20.56	20.75	
5	16QAM	12	7	20.63	20.61	20.61	20.59	20.64	
5	16QAM	12	13	20.68	20.64	20.54	20.56	20.63	21.8
5	16QAM	25	0	20.68	20.61	20.65	20.59	20.72	
5	64QAM	1	0	20.45	20.43	20.31	20.41	20.40	
5	64QAM	1	12	20.39	20.30	20.30	20.21	20.34	20.8
5	64QAM	1	24	20.42	20.39	20.17	20.28	20.37	
5	64QAM	12	0	19.67	19.61	19.63	19.59	19.74	
5	64QAM	12	7	19.66	19.65	19.65	19.53	19.69	18.8
5	64QAM	12	13	19.63	19.60	19.52	19.58	19.66	
5	64QAM	25	0	19.60	19.63	19.55	19.63	19.65	
5	256QAM	1	0	18.01	17.64	17.95	17.69	17.73	18.8
5	256QAM	1	12	17.77	17.71	17.80	17.81	17.74	
5	256QAM	1	24	17.62	17.62	17.76	17.59	17.59	
5	256QAM	12	0	17.85	17.89	18.03	17.96	17.92	18.8
5	256QAM	12	7	17.87	17.79	17.90	17.86	17.83	
5	256QAM	12	13	17.84	17.81	17.85	17.84	17.62	
5	256QAM	25	0	17.75	17.70	17.82	17.86	17.69	



<LTE Band 41_PC3_Ant 2_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	20.91	20.83	20.85	20.82	20.92	21.6
20	QPSK	1	49	20.80	20.71	20.72	20.72	20.79	
20	QPSK	1	99	20.80	20.80	20.77	20.76	20.84	
20	QPSK	50	0	21.00	20.89	20.89	20.86	21.01	21.6
20	QPSK	50	24	20.94	20.88	20.87	20.85	20.98	
20	QPSK	50	50	20.93	20.89	20.86	20.85	20.97	
20	QPSK	100	0	20.94	20.87	20.87	20.86	20.98	21.6
20	16QAM	1	0	20.96	20.95	20.93	20.87	21.03	
20	16QAM	1	49	20.81	20.87	20.80	20.77	20.94	
20	16QAM	1	99	20.91	20.90	20.84	20.81	21.03	21.6
20	16QAM	50	0	20.75	20.66	20.68	20.63	20.76	
20	16QAM	50	24	20.72	20.65	20.66	20.63	20.74	
20	16QAM	50	50	20.68	20.67	20.63	20.61	20.72	21.6
20	16QAM	100	0	20.73	20.68	20.67	20.66	20.75	
20	64QAM	1	0	20.55	20.46	20.38	20.45	20.45	
20	64QAM	1	49	20.45	20.37	20.30	20.28	20.44	21.6
20	64QAM	1	99	20.46	20.42	20.25	20.31	20.43	
20	64QAM	50	0	19.73	19.67	19.65	19.63	19.74	
20	64QAM	50	24	19.73	19.67	19.66	19.63	19.75	20.6
20	64QAM	50	50	19.69	19.64	19.62	19.60	19.71	
20	64QAM	100	0	19.68	19.65	19.64	19.64	19.72	
20	256QAM	1	0	18.06	17.69	17.96	17.75	17.74	18.6
20	256QAM	1	49	17.83	17.79	17.87	17.82	17.82	
20	256QAM	1	99	17.72	17.68	17.79	17.60	17.66	
20	256QAM	50	0	17.93	17.91	18.09	17.99	17.92	18.6
20	256QAM	50	24	17.88	17.87	17.93	17.88	17.86	
20	256QAM	50	50	17.92	17.81	17.90	17.89	17.70	
20	256QAM	100	0	17.82	17.73	17.89	17.88	17.72	Tune-up limit (dBm)
Channel				39725	40173	40620	41068	41515	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	21.60
15	QPSK	1	0	20.88	20.76	20.81	20.81	20.91	
15	QPSK	1	37	20.73	20.70	20.69	20.69	20.70	21.6
15	QPSK	1	74	20.79	20.75	20.76	20.66	20.80	
15	QPSK	36	0	20.96	20.85	20.88	20.82	21.01	
15	QPSK	36	20	20.89	20.82	20.85	20.77	20.90	21.6
15	QPSK	36	39	20.91	20.86	20.81	20.84	20.96	
15	QPSK	75	0	20.89	20.87	20.82	20.83	20.88	
15	16QAM	1	0	20.87	20.93	20.85	20.81	21.02	21.6
15	16QAM	1	37	20.77	20.78	20.77	20.73	20.93	
15	16QAM	1	74	20.88	20.85	20.77	20.72	20.98	
15	16QAM	36	0	20.67	20.62	20.60	20.54	20.71	21.6
15	16QAM	36	20	20.64	20.59	20.65	20.56	20.68	
15	16QAM	36	39	20.64	20.64	20.61	20.52	20.71	
15	16QAM	75	0	20.64	20.60	20.62	20.59	20.74	21.6
15	64QAM	1	0	20.51	20.36	20.28	20.39	20.35	
15	64QAM	1	37	20.43	20.30	20.22	20.27	20.36	
15	64QAM	1	74	20.44	20.35	20.15	20.26	20.35	20.6
15	64QAM	36	0	19.67	19.67	19.65	19.60	19.68	
15	64QAM	36	20	19.70	19.67	19.66	19.55	19.72	
15	64QAM	36	39	19.65	19.64	19.61	19.54	19.65	18.6
15	64QAM	75	0	19.60	19.58	19.63	19.57	19.63	
15	256QAM	1	0	18.01	17.63	17.94	17.65	17.68	
15	256QAM	1	37	17.79	17.75	17.87	17.72	17.81	18.6
15	256QAM	1	74	17.66	17.58	17.76	17.57	17.64	
15	256QAM	36	0	17.91	17.82	18.03	17.98	17.86	
15	256QAM	36	20	17.80	17.85	17.91	17.88	17.77	18.6
15	256QAM	36	39	17.86	17.80	17.89	17.86	17.62	



FCC SAR TEST REPORT

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15	256QAM	75	0	17.72	17.63	17.85	17.79	17.64	Tune-up limit (dBm)
Channel				39700	40160	40620	41080	41540	
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	20.87	20.83	20.75	20.81	20.85	21.60
10	QPSK	1	25	20.80	20.63	20.64	20.68	20.74	
10	QPSK	1	49	20.74	20.74	20.76	20.74	20.82	
10	QPSK	25	0	20.95	20.89	20.82	20.77	20.97	21.6
10	QPSK	25	12	20.84	20.86	20.87	20.80	20.90	
10	QPSK	25	25	20.89	20.87	20.85	20.85	20.94	
10	QPSK	50	0	20.94	20.81	20.86	20.83	20.91	21.6
10	16QAM	1	0	20.93	20.91	20.83	20.79	21.00	
10	16QAM	1	25	20.76	20.85	20.71	20.77	20.90	
10	16QAM	1	49	20.85	20.89	20.83	20.80	21.03	21.6
10	16QAM	25	0	20.65	20.60	20.66	20.57	20.71	
10	16QAM	25	12	20.62	20.61	20.65	20.60	20.70	
10	16QAM	25	25	20.65	20.63	20.62	20.57	20.71	21.6
10	16QAM	50	0	20.63	20.68	20.59	20.63	20.75	
10	64QAM	1	0	20.51	20.40	20.34	20.44	20.36	
10	64QAM	1	25	20.40	20.31	20.22	20.19	20.44	21.6
10	64QAM	1	49	20.39	20.34	20.19	20.29	20.34	
10	64QAM	25	0	19.65	19.57	19.61	19.53	19.69	20.6
10	64QAM	25	12	19.70	19.62	19.64	19.55	19.74	
10	64QAM	25	25	19.62	19.61	19.52	19.50	19.62	
10	64QAM	50	0	19.65	19.55	19.62	19.61	19.67	18.6
10	256QAM	1	0	18.02	17.68	17.93	17.69	17.68	
10	256QAM	1	25	17.80	17.74	17.80	17.77	17.75	
10	256QAM	1	49	17.71	17.58	17.69	17.50	17.60	18.6
10	256QAM	25	0	17.89	17.91	18.00	17.96	17.88	
10	256QAM	25	12	17.86	17.77	17.93	17.79	17.85	
10	256QAM	25	25	17.90	17.80	17.83	17.88	17.61	18.6
10	256QAM	50	0	17.73	17.68	17.82	17.79	17.71	
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	20.81	20.81	20.82	20.74	20.89	21.60
5	QPSK	1	12	20.79	20.71	20.70	20.72	20.74	
5	QPSK	1	24	20.79	20.73	20.69	20.68	20.78	
5	QPSK	12	0	20.94	20.89	20.89	20.85	20.96	21.6
5	QPSK	12	7	20.90	20.81	20.86	20.80	20.88	
5	QPSK	12	13	20.84	20.87	20.86	20.75	20.92	
5	QPSK	25	0	20.87	20.85	20.84	20.82	20.88	21.6
5	16QAM	1	0	20.86	20.85	20.90	20.84	20.96	
5	16QAM	1	12	20.75	20.85	20.76	20.69	20.91	
5	16QAM	1	24	20.84	20.88	20.76	20.73	21.03	21.6
5	16QAM	12	0	20.73	20.61	20.58	20.56	20.75	
5	16QAM	12	7	20.63	20.61	20.61	20.59	20.64	
5	16QAM	12	13	20.68	20.64	20.54	20.56	20.63	21.6
5	16QAM	25	0	20.68	20.61	20.65	20.59	20.72	
5	64QAM	1	0	20.45	20.43	20.31	20.41	20.40	
5	64QAM	1	12	20.39	20.30	20.30	20.21	20.34	21.6
5	64QAM	1	24	20.42	20.39	20.17	20.28	20.37	
5	64QAM	12	0	19.67	19.61	19.63	19.59	19.74	
5	64QAM	12	7	19.66	19.65	19.65	19.53	19.69	20.6
5	64QAM	12	13	19.63	19.60	19.52	19.58	19.66	
5	64QAM	25	0	19.60	19.63	19.55	19.63	19.65	
5	256QAM	1	0	18.01	17.64	17.95	17.69	17.73	18.6
5	256QAM	1	12	17.77	17.71	17.80	17.81	17.74	
5	256QAM	1	24	17.62	17.62	17.76	17.59	17.59	
5	256QAM	12	0	17.85	17.89	18.03	17.96	17.92	18.6
5	256QAM	12	7	17.87	17.79	17.90	17.86	17.83	
5	256QAM	12	13	17.84	17.81	17.85	17.84	17.62	
5	256QAM	25	0	17.75	17.70	17.82	17.86	17.69	

**<LTE Band 41_PC2_Ant 2_Index 2>**

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	24.28	24.18	24.20	24.19	24.31	25.6
20	QPSK	1	49	24.22	24.17	24.19	24.18	24.30	
20	QPSK	1	99	24.18	24.12	24.10	24.12	24.20	
20	QPSK	50	0	24.33	24.26	24.25	24.18	24.36	25.6
20	QPSK	50	24	24.32	24.26	24.21	24.18	24.36	
20	QPSK	50	50	24.31	24.25	24.19	24.22	24.35	
20	QPSK	100	0	24.28	24.24	24.18	24.19	24.33	25.6
20	16QAM	1	0	24.55	24.52	24.48	24.59	24.57	
20	16QAM	1	49	24.50	24.49	24.23	24.24	24.53	
20	16QAM	1	99	24.50	24.51	24.48	24.48	24.51	24.6
20	16QAM	50	0	23.82	23.75	23.71	23.66	23.86	
20	16QAM	50	24	23.80	23.75	23.70	23.69	23.81	
20	16QAM	50	50	23.79	23.74	23.69	23.70	23.80	24.6
20	16QAM	100	0	23.81	23.76	23.70	23.71	23.83	
20	64QAM	1	0	23.96	23.93	23.98	23.99	24.00	
20	64QAM	1	49	24.04	23.89	23.92	23.93	23.98	23.6
20	64QAM	1	99	23.91	23.82	23.85	23.84	23.93	
20	64QAM	50	0	22.82	22.73	22.72	22.68	22.85	
20	64QAM	50	24	22.79	22.71	22.70	22.66	22.84	21.6
20	64QAM	50	50	22.81	22.71	22.67	22.68	22.81	
20	64QAM	100	0	22.79	22.72	22.68	22.68	22.81	
20	256QAM	1	0	21.18	21.04	21.16	21.20	21.30	21.6
20	256QAM	1	49	20.86	20.87	21.00	20.94	21.10	
20	256QAM	1	99	20.97	20.88	21.17	20.80	21.18	
20	256QAM	50	0	21.07	20.89	21.00	20.95	20.91	21.6
20	256QAM	50	24	21.05	20.93	20.98	20.85	20.97	
20	256QAM	50	50	21.02	20.91	20.96	20.84	20.93	
20	256QAM	100	0	20.92	20.86	20.96	20.84	20.91	
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	24.26	24.13	24.13	24.05	24.17	25.60
15	QPSK	1	37	24.16	24.17	24.17	24.08	24.23	
15	QPSK	1	74	24.18	24.04	24.07	24.02	24.17	
15	QPSK	36	0	24.27	24.16	24.24	24.15	24.34	25.6
15	QPSK	36	20	24.26	24.26	24.13	24.11	24.34	
15	QPSK	36	39	24.21	24.23	24.13	24.18	24.28	
15	QPSK	75	0	24.24	24.17	24.14	24.14	24.27	25.6
15	16QAM	1	0	24.54	24.51	24.45	24.50	24.51	
15	16QAM	1	37	24.43	24.41	24.20	24.23	24.45	
15	16QAM	1	74	24.50	24.41	24.39	24.47	24.48	24.6
15	16QAM	36	0	23.81	23.74	23.61	23.59	23.83	
15	16QAM	36	20	23.73	23.67	23.61	23.59	23.76	
15	16QAM	36	39	23.77	23.67	23.66	23.62	23.76	24.6
15	16QAM	75	0	23.71	23.71	23.63	23.68	23.74	
15	64QAM	1	0	23.88	23.89	23.95	23.98	23.93	
15	64QAM	1	37	24.01	23.86	23.92	23.86	23.96	23.6
15	64QAM	1	74	23.89	23.81	23.83	23.83	23.90	
15	64QAM	36	0	22.72	22.66	22.65	22.58	22.79	
15	64QAM	36	20	22.70	22.64	22.69	22.64	22.79	21.6
15	64QAM	36	39	22.73	22.61	22.58	22.59	22.74	
15	64QAM	75	0	22.70	22.63	22.61	22.59	22.81	
15	256QAM	1	0	21.16	20.95	21.06	21.12	21.28	21.6
15	256QAM	1	37	20.78	20.82	20.98	20.94	21.02	
15	256QAM	1	74	20.90	20.78	21.16	20.70	21.18	
15	256QAM	36	0	21.05	20.88	20.95	20.92	20.83	21.6
15	256QAM	36	20	20.96	20.85	20.96	20.76	20.96	
15	256QAM	36	39	21.01	20.84	20.90	20.77	20.86	

15	256QAM	75	0	20.90	20.85	20.93	20.74	20.90	Tune-up limit (dBm)
Channel				39700	40160	40620	41080	41540	
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	24.28	24.15	24.07	24.07	24.20	25.60
10	QPSK	1	25	24.19	24.16	24.14	24.15	24.25	
10	QPSK	1	49	24.14	24.10	24.02	24.12	24.17	
10	QPSK	25	0	24.26	24.26	24.23	24.09	24.30	25.6
10	QPSK	25	12	24.31	24.18	24.15	24.14	24.26	
10	QPSK	25	25	24.26	24.20	24.16	24.12	24.25	
10	QPSK	50	0	24.19	24.19	24.15	24.09	24.28	25.6
10	16QAM	1	0	24.51	24.52	24.44	24.51	24.53	
10	16QAM	1	25	24.45	24.49	24.20	24.18	24.46	
10	16QAM	1	49	24.42	24.44	24.40	24.47	24.45	24.6
10	16QAM	25	0	23.79	23.65	23.66	23.66	23.84	
10	16QAM	25	12	23.76	23.65	23.61	23.61	23.74	
10	16QAM	25	25	23.78	23.70	23.64	23.62	23.76	24.6
10	16QAM	50	0	23.78	23.66	23.67	23.70	23.77	
10	64QAM	1	0	23.94	23.86	23.89	23.95	23.94	
10	64QAM	1	25	24.04	23.87	23.92	23.93	23.96	24.6
10	64QAM	1	49	23.87	23.78	23.84	23.82	23.86	
10	64QAM	25	0	22.79	22.73	22.71	22.59	22.85	23.6
10	64QAM	25	12	22.75	22.63	22.64	22.57	22.80	
10	64QAM	25	25	22.71	22.65	22.67	22.63	22.78	
10	64QAM	50	0	22.75	22.68	22.61	22.62	22.76	21.6
10	256QAM	1	0	21.10	21.02	21.12	21.10	21.22	
10	256QAM	1	25	20.77	20.86	20.93	20.89	21.09	
10	256QAM	1	49	20.92	20.82	21.17	20.73	21.18	21.6
10	256QAM	25	0	20.99	20.87	21.00	20.89	20.85	
10	256QAM	25	12	21.05	20.85	20.93	20.84	20.87	
10	256QAM	25	25	20.97	20.85	20.92	20.80	20.93	21.6
10	256QAM	50	0	20.90	20.76	20.89	20.74	20.88	
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	24.23	24.15	24.09	24.10	24.23	
5	QPSK	1	12	24.16	24.15	24.14	24.09	24.28	25.60
5	QPSK	1	24	24.14	24.09	24.06	24.07	24.11	
5	QPSK	12	0	24.31	24.25	24.18	24.08	24.34	25.6
5	QPSK	12	7	24.24	24.23	24.15	24.12	24.29	
5	QPSK	12	13	24.25	24.21	24.17	24.12	24.32	
5	QPSK	25	0	24.19	24.22	24.14	24.09	24.29	25.6
5	16QAM	1	0	24.51	24.56	24.44	24.50	24.53	
5	16QAM	1	12	24.45	24.48	24.13	24.18	24.46	
5	16QAM	1	24	24.45	24.41	24.44	24.41	24.50	24.6
5	16QAM	12	0	23.80	23.74	23.63	23.59	23.77	
5	16QAM	12	7	23.80	23.65	23.63	23.66	23.79	
5	16QAM	12	13	23.78	23.68	23.60	23.62	23.78	24.6
5	16QAM	25	0	23.79	23.76	23.68	23.67	23.81	
5	64QAM	1	0	23.86	23.87	23.95	23.96	23.90	
5	64QAM	1	12	24.03	23.86	23.90	23.83	23.97	23.6
5	64QAM	1	24	23.91	23.75	23.85	23.79	23.92	
5	64QAM	12	0	22.79	22.64	22.70	22.67	22.85	
5	64QAM	12	7	22.73	22.67	22.60	22.57	22.75	21.6
5	64QAM	12	13	22.76	22.64	22.67	22.61	22.76	
5	64QAM	25	0	22.71	22.65	22.67	22.66	22.81	
5	256QAM	1	0	21.17	20.95	21.09	21.20	21.21	21.6
5	256QAM	1	12	20.86	20.81	21.00	20.92	21.09	
5	256QAM	1	24	20.95	20.79	21.08	20.79	21.08	
5	256QAM	12	0	20.98	20.81	20.97	20.88	20.82	21.6
5	256QAM	12	7	21.05	20.91	20.90	20.77	20.96	
5	256QAM	12	13	20.94	20.83	20.96	20.83	20.93	
5	256QAM	25	0	20.91	20.79	20.90	20.80	20.81	

**<LTE Band 41_PC2_Ant 2_Index 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	24.28	24.18	24.20	24.19	24.31	24.9
20	QPSK	1	49	24.22	24.17	24.19	24.18	24.30	
20	QPSK	1	99	24.18	24.12	24.10	24.12	24.20	
20	QPSK	50	0	24.33	24.26	24.25	24.18	24.36	24.9
20	QPSK	50	24	24.32	24.26	24.21	24.18	24.36	
20	QPSK	50	50	24.31	24.25	24.19	24.22	24.35	
20	QPSK	100	0	24.28	24.24	24.18	24.19	24.33	24.9
20	16QAM	1	0	24.55	24.52	24.48	24.59	24.57	
20	16QAM	1	49	24.50	24.49	24.23	24.24	24.53	
20	16QAM	1	99	24.50	24.51	24.48	24.48	24.51	24.9
20	16QAM	50	0	23.82	23.75	23.71	23.66	23.86	
20	16QAM	50	24	23.80	23.75	23.70	23.69	23.81	
20	16QAM	50	50	23.79	23.74	23.69	23.70	23.80	24.9
20	16QAM	100	0	23.81	23.76	23.70	23.71	23.83	
20	64QAM	1	0	23.96	23.93	23.98	23.99	24.00	
20	64QAM	1	49	24.04	23.89	23.92	23.93	23.98	24.9
20	64QAM	1	99	23.91	23.82	23.85	23.84	23.93	
20	64QAM	50	0	22.82	22.73	22.72	22.68	22.85	23.9
20	64QAM	50	24	22.79	22.71	22.70	22.66	22.84	
20	64QAM	50	50	22.81	22.71	22.67	22.68	22.81	
20	64QAM	100	0	22.79	22.72	22.68	22.68	22.81	21.9
20	256QAM	1	0	21.18	21.04	21.16	21.20	21.30	
20	256QAM	1	49	20.86	20.87	21.00	20.94	21.10	
20	256QAM	1	99	20.97	20.88	21.17	20.80	21.18	21.9
20	256QAM	50	0	21.07	20.89	21.00	20.95	20.91	
20	256QAM	50	24	21.05	20.93	20.98	20.85	20.97	
20	256QAM	50	50	21.02	20.91	20.96	20.84	20.93	21.9
20	256QAM	100	0	20.92	20.86	20.96	20.84	20.91	
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	24.26	24.13	24.13	24.05	24.17	24.90
15	QPSK	1	37	24.16	24.17	24.17	24.08	24.23	
15	QPSK	1	74	24.18	24.04	24.07	24.02	24.17	
15	QPSK	36	0	24.27	24.16	24.24	24.15	24.34	24.9
15	QPSK	36	20	24.26	24.26	24.13	24.11	24.34	
15	QPSK	36	39	24.21	24.23	24.13	24.18	24.28	
15	QPSK	75	0	24.24	24.17	24.14	24.14	24.27	24.9
15	16QAM	1	0	24.54	24.51	24.45	24.50	24.51	
15	16QAM	1	37	24.43	24.41	24.20	24.23	24.45	
15	16QAM	1	74	24.50	24.41	24.39	24.47	24.48	24.9
15	16QAM	36	0	23.81	23.74	23.61	23.59	23.83	
15	16QAM	36	20	23.73	23.67	23.61	23.59	23.76	
15	16QAM	36	39	23.77	23.67	23.66	23.62	23.76	24.9
15	16QAM	75	0	23.71	23.71	23.63	23.68	23.74	
15	64QAM	1	0	23.88	23.89	23.95	23.98	23.93	
15	64QAM	1	37	24.01	23.86	23.92	23.86	23.96	24.9
15	64QAM	1	74	23.89	23.81	23.83	23.83	23.90	
15	64QAM	36	0	22.72	22.66	22.65	22.58	22.79	
15	64QAM	36	20	22.70	22.64	22.69	22.64	22.79	23.9
15	64QAM	36	39	22.73	22.61	22.58	22.59	22.74	
15	64QAM	75	0	22.70	22.63	22.61	22.59	22.81	
15	256QAM	1	0	21.16	20.95	21.06	21.12	21.28	21.9
15	256QAM	1	37	20.78	20.82	20.98	20.94	21.02	
15	256QAM	1	74	20.90	20.78	21.16	20.70	21.18	
15	256QAM	36	0	21.05	20.88	20.95	20.92	20.83	21.9
15	256QAM	36	20	20.96	20.85	20.96	20.76	20.96	
15	256QAM	36	39	21.01	20.84	20.90	20.77	20.86	



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15	256QAM	75	0	20.90	20.85	20.93	20.74	20.90	Tune-up limit (dBm)
Channel				39700	40160	40620	41080	41540	
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	24.28	24.15	24.07	24.07	24.20	24.90
10	QPSK	1	25	24.19	24.16	24.14	24.15	24.25	
10	QPSK	1	49	24.14	24.10	24.02	24.12	24.17	
10	QPSK	25	0	24.26	24.26	24.23	24.09	24.30	24.9
10	QPSK	25	12	24.31	24.18	24.15	24.14	24.26	
10	QPSK	25	25	24.26	24.20	24.16	24.12	24.25	
10	QPSK	50	0	24.19	24.19	24.15	24.09	24.28	24.9
10	16QAM	1	0	24.51	24.52	24.44	24.51	24.53	
10	16QAM	1	25	24.45	24.49	24.20	24.18	24.46	
10	16QAM	1	49	24.42	24.44	24.40	24.47	24.45	24.9
10	16QAM	25	0	23.79	23.65	23.66	23.66	23.84	
10	16QAM	25	12	23.76	23.65	23.61	23.61	23.74	
10	16QAM	25	25	23.78	23.70	23.64	23.62	23.76	24.9
10	16QAM	50	0	23.78	23.66	23.67	23.70	23.77	
10	64QAM	1	0	23.94	23.86	23.89	23.95	23.94	
10	64QAM	1	25	24.04	23.87	23.92	23.93	23.96	24.9
10	64QAM	1	49	23.87	23.78	23.84	23.82	23.86	
10	64QAM	25	0	22.79	22.73	22.71	22.59	22.85	23.9
10	64QAM	25	12	22.75	22.63	22.64	22.57	22.80	
10	64QAM	25	25	22.71	22.65	22.67	22.63	22.78	
10	64QAM	50	0	22.75	22.68	22.61	22.62	22.76	21.9
10	256QAM	1	0	21.10	21.02	21.12	21.10	21.22	
10	256QAM	1	25	20.77	20.86	20.93	20.89	21.09	
10	256QAM	1	49	20.92	20.82	21.17	20.73	21.18	21.9
10	256QAM	25	0	20.99	20.87	21.00	20.89	20.85	
10	256QAM	25	12	21.05	20.85	20.93	20.84	20.87	
10	256QAM	25	25	20.97	20.85	20.92	20.80	20.93	21.9
10	256QAM	50	0	20.90	20.76	20.89	20.74	20.88	
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	24.23	24.15	24.09	24.10	24.23	
5	QPSK	1	12	24.16	24.15	24.14	24.09	24.28	24.90
5	QPSK	1	24	24.14	24.09	24.06	24.07	24.11	
5	QPSK	12	0	24.31	24.25	24.18	24.08	24.34	24.9
5	QPSK	12	7	24.24	24.23	24.15	24.12	24.29	
5	QPSK	12	13	24.25	24.21	24.17	24.12	24.32	
5	QPSK	25	0	24.19	24.22	24.14	24.09	24.29	24.9
5	16QAM	1	0	24.51	24.56	24.44	24.50	24.53	
5	16QAM	1	12	24.45	24.48	24.13	24.18	24.46	
5	16QAM	1	24	24.45	24.41	24.44	24.41	24.50	24.9
5	16QAM	12	0	23.80	23.74	23.63	23.59	23.77	
5	16QAM	12	7	23.80	23.65	23.63	23.66	23.79	
5	16QAM	12	13	23.78	23.68	23.60	23.62	23.78	24.9
5	16QAM	25	0	23.79	23.76	23.68	23.67	23.81	
5	64QAM	1	0	23.86	23.87	23.95	23.96	23.90	
5	64QAM	1	12	24.03	23.86	23.90	23.83	23.97	24.9
5	64QAM	1	24	23.91	23.75	23.85	23.79	23.92	
5	64QAM	12	0	22.79	22.64	22.70	22.67	22.85	23.9
5	64QAM	12	7	22.73	22.67	22.60	22.57	22.75	
5	64QAM	12	13	22.76	22.64	22.67	22.61	22.76	
5	64QAM	25	0	22.71	22.65	22.67	22.66	22.81	21.9
5	256QAM	1	0	21.17	20.95	21.09	21.20	21.21	
5	256QAM	1	12	20.86	20.81	21.00	20.92	21.09	
5	256QAM	1	24	20.95	20.79	21.08	20.79	21.08	21.9
5	256QAM	12	0	20.98	20.81	20.97	20.88	20.82	
5	256QAM	12	7	21.05	20.91	20.90	20.77	20.96	
5	256QAM	12	13	20.94	20.83	20.96	20.83	20.93	21.9
5	256QAM	25	0	20.91	20.79	20.90	20.80	20.81	



<LTE Band 41_PC2_Ant 2_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	22.46	22.39	22.36	22.32	22.49	22.8
20	QPSK	1	49	22.43	22.33	22.33	22.31	22.48	
20	QPSK	1	99	22.32	22.38	22.31	22.29	22.38	
20	QPSK	50	0	22.52	22.43	22.40	22.39	22.55	22.8
20	QPSK	50	24	22.44	22.41	22.39	22.39	22.53	
20	QPSK	50	50	22.42	22.42	22.37	22.38	22.51	
20	QPSK	100	0	22.45	22.43	22.38	22.35	22.53	22.8
20	16QAM	1	0	22.79	22.63	22.69	22.80	22.74	
20	16QAM	1	49	22.50	22.47	22.76	22.76	22.55	
20	16QAM	1	99	22.61	22.79	22.79	22.77	22.63	22.8
20	16QAM	50	0	22.41	22.38	22.42	22.36	22.45	
20	16QAM	50	24	22.38	22.44	22.40	22.39	22.43	
20	16QAM	50	50	22.43	22.39	22.38	22.38	22.47	22.8
20	16QAM	100	0	22.42	22.41	22.40	22.35	22.45	
20	64QAM	1	0	22.48	22.53	22.54	22.53	22.45	
20	64QAM	1	49	22.47	22.38	22.44	22.38	22.45	22.8
20	64QAM	1	99	22.36	22.38	22.40	22.37	22.39	
20	64QAM	50	0	22.45	22.41	22.39	22.37	22.49	
20	64QAM	50	24	22.40	22.41	22.38	22.36	22.43	22.8
20	64QAM	50	50	22.36	22.40	22.35	22.36	22.43	
20	64QAM	100	0	22.40	22.37	22.36	22.32	22.46	
20	256QAM	1	0	21.23	21.08	21.16	21.10	21.33	21.8
20	256QAM	1	49	20.81	20.90	21.00	21.01	21.14	
20	256QAM	1	99	20.97	20.79	21.07	20.78	21.14	
20	256QAM	50	0	21.10	20.97	21.02	21.00	20.99	21.8
20	256QAM	50	24	21.07	20.88	21.04	20.84	20.90	
20	256QAM	50	50	21.00	20.84	20.95	20.84	20.83	
20	256QAM	100	0	21.01	20.86	20.93	20.81	20.84	
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	22.39	22.36	22.35	22.32	22.42	22.80
15	QPSK	1	37	22.34	22.30	22.27	22.26	22.41	
15	QPSK	1	74	22.25	22.32	22.22	22.26	22.28	
15	QPSK	36	0	22.49	22.34	22.37	22.37	22.48	22.8
15	QPSK	36	20	22.43	22.31	22.29	22.37	22.51	
15	QPSK	36	39	22.40	22.32	22.32	22.31	22.43	
15	QPSK	75	0	22.36	22.37	22.34	22.35	22.53	22.8
15	16QAM	1	0	22.71	22.60	22.69	22.76	22.66	
15	16QAM	1	37	22.40	22.39	22.70	22.72	22.52	
15	16QAM	1	74	22.60	22.79	22.79	22.68	22.54	22.8
15	16QAM	36	0	22.32	22.30	22.35	22.29	22.36	
15	16QAM	36	20	22.33	22.36	22.34	22.36	22.34	
15	16QAM	36	39	22.39	22.37	22.35	22.34	22.46	22.8
15	16QAM	75	0	22.41	22.34	22.35	22.33	22.37	
15	64QAM	1	0	22.42	22.49	22.53	22.46	22.41	
15	64QAM	1	37	22.37	22.37	22.37	22.28	22.39	22.8
15	64QAM	1	74	22.28	22.34	22.38	22.34	22.37	
15	64QAM	36	0	22.36	22.40	22.38	22.33	22.49	
15	64QAM	36	20	22.35	22.34	22.35	22.34	22.40	22.8
15	64QAM	36	39	22.27	22.30	22.25	22.31	22.37	
15	64QAM	75	0	22.35	22.30	22.27	22.28	22.44	
15	256QAM	1	0	21.19	21.03	21.13	21.02	21.26	21.8
15	256QAM	1	37	20.74	20.87	20.94	20.99	21.09	
15	256QAM	1	74	20.95	20.72	21.00	20.72	21.10	
15	256QAM	36	0	21.09	20.92	20.94	20.91	20.93	21.8
15	256QAM	36	20	21.02	20.84	20.97	20.82	20.89	
15	256QAM	36	39	20.94	20.77	20.90	20.81	20.83	



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15	256QAM	75	0	21.00	20.80	20.92	20.78	20.75	Tune-up limit (dBm)
Channel				39700	40160	40620	41080	41540	
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	22.39	22.36	22.33	22.28	22.44	22.80
10	QPSK	1	25	22.38	22.30	22.26	22.23	22.39	
10	QPSK	1	49	22.29	22.36	22.21	22.23	22.37	
10	QPSK	25	0	22.44	22.38	22.39	22.37	22.52	22.8
10	QPSK	25	12	22.35	22.37	22.38	22.36	22.53	
10	QPSK	25	25	22.37	22.41	22.36	22.34	22.50	
10	QPSK	50	0	22.42	22.39	22.28	22.30	22.51	22.8
10	16QAM	1	0	22.80	22.62	22.64	22.79	22.70	
10	16QAM	1	25	22.43	22.43	22.72	22.69	22.54	
10	16QAM	1	49	22.55	22.78	22.77	22.74	22.57	22.8
10	16QAM	25	0	22.33	22.32	22.38	22.29	22.36	
10	16QAM	25	12	22.32	22.44	22.38	22.29	22.33	
10	16QAM	25	25	22.38	22.32	22.35	22.37	22.46	22.8
10	16QAM	50	0	22.38	22.35	22.34	22.30	22.44	
10	64QAM	1	0	22.42	22.51	22.48	22.44	22.42	
10	64QAM	1	25	22.43	22.37	22.37	22.28	22.38	22.8
10	64QAM	1	49	22.31	22.35	22.37	22.35	22.35	
10	64QAM	25	0	22.42	22.38	22.30	22.29	22.42	
10	64QAM	25	12	22.30	22.32	22.31	22.30	22.40	22.8
10	64QAM	25	25	22.30	22.37	22.35	22.36	22.33	
10	64QAM	50	0	22.30	22.34	22.27	22.22	22.41	
10	256QAM	1	0	21.21	21.05	21.09	21.07	21.23	21.8
10	256QAM	1	25	20.78	20.81	20.92	20.94	21.13	
10	256QAM	1	49	20.90	20.77	21.05	20.70	21.12	
10	256QAM	25	0	21.01	20.88	21.00	20.99	20.97	21.8
10	256QAM	25	12	21.00	20.87	21.04	20.84	20.83	
10	256QAM	25	25	20.91	20.82	20.94	20.76	20.74	
10	256QAM	50	0	20.93	20.79	20.85	20.77	20.77	Tune-up limit (dBm)
Channel				39675	40148	40620	41093	41565	
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	22.43	22.36	22.28	22.31	22.42	22.80
5	QPSK	1	12	22.43	22.23	22.29	22.24	22.41	
5	QPSK	1	24	22.23	22.36	22.25	22.21	22.38	
5	QPSK	12	0	22.45	22.34	22.35	22.31	22.50	22.8
5	QPSK	12	7	22.36	22.36	22.32	22.29	22.51	
5	QPSK	12	13	22.41	22.32	22.28	22.30	22.49	
5	QPSK	25	0	22.43	22.42	22.33	22.29	22.53	22.8
5	16QAM	1	0	22.79	22.60	22.63	22.79	22.70	
5	16QAM	1	12	22.46	22.47	22.70	22.73	22.51	
5	16QAM	1	24	22.51	22.79	22.72	22.68	22.54	22.8
5	16QAM	12	0	22.41	22.31	22.37	22.36	22.45	
5	16QAM	12	7	22.32	22.35	22.33	22.37	22.39	
5	16QAM	12	13	22.33	22.32	22.32	22.28	22.42	22.8
5	16QAM	25	0	22.42	22.38	22.36	22.27	22.45	
5	64QAM	1	0	22.41	22.51	22.52	22.44	22.44	
5	64QAM	1	12	22.47	22.30	22.36	22.32	22.42	22.8
5	64QAM	1	24	22.32	22.31	22.32	22.35	22.37	
5	64QAM	12	0	22.44	22.39	22.31	22.32	22.47	
5	64QAM	12	7	22.34	22.34	22.33	22.33	22.35	22.8
5	64QAM	12	13	22.28	22.33	22.34	22.28	22.38	
5	64QAM	25	0	22.39	22.30	22.26	22.27	22.45	
5	256QAM	1	0	21.18	20.98	21.09	21.07	21.33	21.8
5	256QAM	1	12	20.75	20.89	20.91	20.98	21.07	
5	256QAM	1	24	20.95	20.74	20.98	20.74	21.04	
5	256QAM	12	0	21.02	20.93	20.96	20.93	20.98	21.8
5	256QAM	12	7	21.00	20.81	21.04	20.76	20.90	
5	256QAM	12	13	20.97	20.76	20.95	20.82	20.74	
5	256QAM	25	0	20.98	20.77	20.88	20.79	20.78	

**<LTE Band 41_PC2_Ant 2_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	22.46	22.39	22.36	22.32	22.49	23.9
20	QPSK	1	49	22.43	22.33	22.33	22.31	22.48	
20	QPSK	1	99	22.32	22.38	22.31	22.29	22.38	
20	QPSK	50	0	22.52	22.43	22.40	22.39	22.55	23.9
20	QPSK	50	24	22.44	22.41	22.39	22.39	22.53	
20	QPSK	50	50	22.42	22.42	22.37	22.38	22.51	
20	QPSK	100	0	22.45	22.43	22.38	22.35	22.53	23.9
20	16QAM	1	0	22.79	22.63	22.69	22.80	22.74	
20	16QAM	1	49	22.50	22.47	22.76	22.76	22.55	
20	16QAM	1	99	22.61	22.79	22.79	22.77	22.63	23.9
20	16QAM	50	0	22.41	22.38	22.42	22.36	22.45	
20	16QAM	50	24	22.38	22.44	22.40	22.39	22.43	
20	16QAM	50	50	22.43	22.39	22.38	22.38	22.47	23.9
20	16QAM	100	0	22.42	22.41	22.40	22.35	22.45	
20	64QAM	1	0	22.48	22.53	22.54	22.53	22.45	
20	64QAM	1	49	22.47	22.38	22.44	22.38	22.45	23.9
20	64QAM	1	99	22.36	22.38	22.40	22.37	22.39	
20	64QAM	50	0	22.45	22.41	22.39	22.37	22.49	
20	64QAM	50	24	22.40	22.41	22.38	22.36	22.43	23.9
20	64QAM	50	50	22.36	22.40	22.35	22.36	22.43	
20	64QAM	100	0	22.40	22.37	22.36	22.32	22.46	
20	256QAM	1	0	21.23	21.08	21.16	21.10	21.33	21.9
20	256QAM	1	49	20.81	20.90	21.00	21.01	21.14	
20	256QAM	1	99	20.97	20.79	21.07	20.78	21.14	
20	256QAM	50	0	21.10	20.97	21.02	21.00	20.99	21.9
20	256QAM	50	24	21.07	20.88	21.04	20.84	20.90	
20	256QAM	50	50	21.00	20.84	20.95	20.84	20.83	
20	256QAM	100	0	21.01	20.86	20.93	20.81	20.84	
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	22.39	22.36	22.35	22.32	22.42	23.90
15	QPSK	1	37	22.34	22.30	22.27	22.26	22.41	
15	QPSK	1	74	22.25	22.32	22.22	22.26	22.28	
15	QPSK	36	0	22.49	22.34	22.37	22.37	22.48	23.9
15	QPSK	36	20	22.43	22.31	22.29	22.37	22.51	
15	QPSK	36	39	22.40	22.32	22.32	22.31	22.43	
15	QPSK	75	0	22.36	22.37	22.34	22.35	22.53	23.9
15	16QAM	1	0	22.71	22.60	22.69	22.76	22.66	
15	16QAM	1	37	22.40	22.39	22.70	22.72	22.52	
15	16QAM	1	74	22.60	22.79	22.79	22.68	22.54	23.9
15	16QAM	36	0	22.32	22.30	22.35	22.29	22.36	
15	16QAM	36	20	22.33	22.36	22.34	22.36	22.34	
15	16QAM	36	39	22.39	22.37	22.35	22.34	22.46	23.9
15	16QAM	75	0	22.41	22.34	22.35	22.33	22.37	
15	64QAM	1	0	22.42	22.49	22.53	22.46	22.41	
15	64QAM	1	37	22.37	22.37	22.37	22.28	22.39	23.9
15	64QAM	1	74	22.28	22.34	22.38	22.34	22.37	
15	64QAM	36	0	22.36	22.40	22.38	22.33	22.49	
15	64QAM	36	20	22.35	22.34	22.35	22.34	22.40	23.9
15	64QAM	36	39	22.27	22.30	22.25	22.31	22.37	
15	64QAM	75	0	22.35	22.30	22.27	22.28	22.44	
15	256QAM	1	0	21.19	21.03	21.13	21.02	21.26	21.9
15	256QAM	1	37	20.74	20.87	20.94	20.99	21.09	
15	256QAM	1	74	20.95	20.72	21.00	20.72	21.10	
15	256QAM	36	0	21.09	20.92	20.94	20.91	20.93	21.9
15	256QAM	36	20	21.02	20.84	20.97	20.82	20.89	
15	256QAM	36	39	20.94	20.77	20.90	20.81	20.83	



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Report No. : FA2D0208-01F

15	256QAM	75	0	21.00	20.80	20.92	20.78	20.75	Tune-up limit (dBm)
Channel				39700	40160	40620	41080	41540	
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	22.39	22.36	22.33	22.28	22.44	23.90
10	QPSK	1	25	22.38	22.30	22.26	22.23	22.39	
10	QPSK	1	49	22.29	22.36	22.21	22.23	22.37	
10	QPSK	25	0	22.44	22.38	22.39	22.37	22.52	23.9
10	QPSK	25	12	22.35	22.37	22.38	22.36	22.53	
10	QPSK	25	25	22.37	22.41	22.36	22.34	22.50	
10	QPSK	50	0	22.42	22.39	22.28	22.30	22.51	23.9
10	16QAM	1	0	22.80	22.62	22.64	22.79	22.70	
10	16QAM	1	25	22.43	22.43	22.72	22.69	22.54	
10	16QAM	1	49	22.55	22.78	22.77	22.74	22.57	23.9
10	16QAM	25	0	22.33	22.32	22.38	22.29	22.36	
10	16QAM	25	12	22.32	22.44	22.38	22.29	22.33	
10	16QAM	25	25	22.38	22.32	22.35	22.37	22.46	23.9
10	16QAM	50	0	22.38	22.35	22.34	22.30	22.44	
10	64QAM	1	0	22.42	22.51	22.48	22.44	22.42	
10	64QAM	1	25	22.43	22.37	22.37	22.28	22.38	23.9
10	64QAM	1	49	22.31	22.35	22.37	22.35	22.35	
10	64QAM	25	0	22.42	22.38	22.30	22.29	22.42	
10	64QAM	25	12	22.30	22.32	22.31	22.30	22.40	23.9
10	64QAM	25	25	22.30	22.37	22.35	22.36	22.33	
10	64QAM	50	0	22.30	22.34	22.27	22.22	22.41	
10	256QAM	1	0	21.21	21.05	21.09	21.07	21.23	21.9
10	256QAM	1	25	20.78	20.81	20.92	20.94	21.13	
10	256QAM	1	49	20.90	20.77	21.05	20.70	21.12	
10	256QAM	25	0	21.01	20.88	21.00	20.99	20.97	21.9
10	256QAM	25	12	21.00	20.87	21.04	20.84	20.83	
10	256QAM	25	25	20.91	20.82	20.94	20.76	20.74	
10	256QAM	50	0	20.93	20.79	20.85	20.77	20.77	Tune-up limit (dBm)
Channel				39675	40148	40620	41093	41565	
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	22.43	22.36	22.28	22.31	22.42	23.90
5	QPSK	1	12	22.43	22.23	22.29	22.24	22.41	
5	QPSK	1	24	22.23	22.36	22.25	22.21	22.38	
5	QPSK	12	0	22.45	22.34	22.35	22.31	22.50	23.9
5	QPSK	12	7	22.36	22.36	22.32	22.29	22.51	
5	QPSK	12	13	22.41	22.32	22.28	22.30	22.49	
5	QPSK	25	0	22.43	22.42	22.33	22.29	22.53	23.9
5	16QAM	1	0	22.79	22.60	22.63	22.79	22.70	
5	16QAM	1	12	22.46	22.47	22.70	22.73	22.51	
5	16QAM	1	24	22.51	22.79	22.72	22.68	22.54	23.9
5	16QAM	12	0	22.41	22.31	22.37	22.36	22.45	
5	16QAM	12	7	22.32	22.35	22.33	22.37	22.39	
5	16QAM	12	13	22.33	22.32	22.32	22.28	22.42	23.9
5	16QAM	25	0	22.42	22.38	22.36	22.27	22.45	
5	64QAM	1	0	22.41	22.51	22.52	22.44	22.44	
5	64QAM	1	12	22.47	22.30	22.36	22.32	22.42	23.9
5	64QAM	1	24	22.32	22.31	22.32	22.35	22.37	
5	64QAM	12	0	22.44	22.39	22.31	22.32	22.47	
5	64QAM	12	7	22.34	22.34	22.33	22.33	22.35	23.9
5	64QAM	12	13	22.28	22.33	22.34	22.28	22.38	
5	64QAM	25	0	22.39	22.30	22.26	22.27	22.45	
5	256QAM	1	0	21.18	20.98	21.09	21.07	21.33	21.9
5	256QAM	1	12	20.75	20.89	20.91	20.98	21.07	
5	256QAM	1	24	20.95	20.74	20.98	20.74	21.04	
5	256QAM	12	0	21.02	20.93	20.96	20.93	20.98	21.9
5	256QAM	12	7	21.00	20.81	21.04	20.76	20.90	
5	256QAM	12	13	20.97	20.76	20.95	20.82	20.74	
5	256QAM	25	0	20.98	20.77	20.88	20.79	20.78	

**<LTE Band 41_PC2_Ant 2_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	22.46	22.39	22.36	22.32	22.49	23.2
20	QPSK	1	49	22.43	22.33	22.33	22.31	22.48	
20	QPSK	1	99	22.32	22.38	22.31	22.29	22.38	
20	QPSK	50	0	22.52	22.43	22.40	22.39	22.55	23.2
20	QPSK	50	24	22.44	22.41	22.39	22.39	22.53	
20	QPSK	50	50	22.42	22.42	22.37	22.38	22.51	
20	QPSK	100	0	22.45	22.43	22.38	22.35	22.53	23.2
20	16QAM	1	0	22.79	22.63	22.69	22.80	22.74	
20	16QAM	1	49	22.50	22.47	22.76	22.76	22.55	
20	16QAM	1	99	22.61	22.79	22.79	22.77	22.63	23.2
20	16QAM	50	0	22.41	22.38	22.42	22.36	22.45	
20	16QAM	50	24	22.38	22.44	22.40	22.39	22.43	
20	16QAM	50	50	22.43	22.39	22.38	22.38	22.47	23.2
20	16QAM	100	0	22.42	22.41	22.40	22.35	22.45	
20	64QAM	1	0	22.48	22.53	22.54	22.53	22.45	
20	64QAM	1	49	22.47	22.38	22.44	22.38	22.45	23.2
20	64QAM	1	99	22.36	22.38	22.40	22.37	22.39	
20	64QAM	50	0	22.45	22.41	22.39	22.37	22.49	
20	64QAM	50	24	22.40	22.41	22.38	22.36	22.43	23.2
20	64QAM	50	50	22.36	22.40	22.35	22.36	22.43	
20	64QAM	100	0	22.40	22.37	22.36	22.32	22.46	
20	256QAM	1	0	21.23	21.08	21.16	21.10	21.33	21.7
20	256QAM	1	49	20.81	20.90	21.00	21.01	21.14	
20	256QAM	1	99	20.97	20.79	21.07	20.78	21.14	
20	256QAM	50	0	21.10	20.97	21.02	21.00	20.99	21.7
20	256QAM	50	24	21.07	20.88	21.04	20.84	20.90	
20	256QAM	50	50	21.00	20.84	20.95	20.84	20.83	
20	256QAM	100	0	21.01	20.86	20.93	20.81	20.84	
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	22.39	22.36	22.35	22.32	22.42	23.20
15	QPSK	1	37	22.34	22.30	22.27	22.26	22.41	
15	QPSK	1	74	22.25	22.32	22.22	22.26	22.28	
15	QPSK	36	0	22.49	22.34	22.37	22.37	22.48	23.2
15	QPSK	36	20	22.43	22.31	22.29	22.37	22.51	
15	QPSK	36	39	22.40	22.32	22.32	22.31	22.43	
15	QPSK	75	0	22.36	22.37	22.34	22.35	22.53	23.2
15	16QAM	1	0	22.71	22.60	22.69	22.76	22.66	
15	16QAM	1	37	22.40	22.39	22.70	22.72	22.52	
15	16QAM	1	74	22.60	22.79	22.79	22.68	22.54	23.2
15	16QAM	36	0	22.32	22.30	22.35	22.29	22.36	
15	16QAM	36	20	22.33	22.36	22.34	22.36	22.34	
15	16QAM	36	39	22.39	22.37	22.35	22.34	22.46	23.2
15	16QAM	75	0	22.41	22.34	22.35	22.33	22.37	
15	64QAM	1	0	22.42	22.49	22.53	22.46	22.41	
15	64QAM	1	37	22.37	22.37	22.37	22.28	22.39	23.2
15	64QAM	1	74	22.28	22.34	22.38	22.34	22.37	
15	64QAM	36	0	22.36	22.40	22.38	22.33	22.49	
15	64QAM	36	20	22.35	22.34	22.35	22.34	22.40	23.2
15	64QAM	36	39	22.27	22.30	22.25	22.31	22.37	
15	64QAM	75	0	22.35	22.30	22.27	22.28	22.44	
15	256QAM	1	0	21.19	21.03	21.13	21.02	21.26	21.7
15	256QAM	1	37	20.74	20.87	20.94	20.99	21.09	
15	256QAM	1	74	20.95	20.72	21.00	20.72	21.10	
15	256QAM	36	0	21.09	20.92	20.94	20.91	20.93	21.7
15	256QAM	36	20	21.02	20.84	20.97	20.82	20.89	
15	256QAM	36	39	20.94	20.77	20.90	20.81	20.83	



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Report No. : FA2D0208-01F

15	256QAM	75	0	21.00	20.80	20.92	20.78	20.75	Tune-up limit (dBm)
Channel				39700	40160	40620	41080	41540	
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	22.39	22.36	22.33	22.28	22.44	23.20
10	QPSK	1	25	22.38	22.30	22.26	22.23	22.39	
10	QPSK	1	49	22.29	22.36	22.21	22.23	22.37	
10	QPSK	25	0	22.44	22.38	22.39	22.37	22.52	23.2
10	QPSK	25	12	22.35	22.37	22.38	22.36	22.53	
10	QPSK	25	25	22.37	22.41	22.36	22.34	22.50	
10	QPSK	50	0	22.42	22.39	22.28	22.30	22.51	
10	16QAM	1	0	22.80	22.62	22.64	22.79	22.70	23.2
10	16QAM	1	25	22.43	22.43	22.72	22.69	22.54	
10	16QAM	1	49	22.55	22.78	22.77	22.74	22.57	
10	16QAM	25	0	22.33	22.32	22.38	22.29	22.36	23.2
10	16QAM	25	12	22.32	22.44	22.38	22.29	22.33	
10	16QAM	25	25	22.38	22.32	22.35	22.37	22.46	
10	16QAM	50	0	22.38	22.35	22.34	22.30	22.44	
10	64QAM	1	0	22.42	22.51	22.48	22.44	22.42	23.2
10	64QAM	1	25	22.43	22.37	22.37	22.28	22.38	
10	64QAM	1	49	22.31	22.35	22.37	22.35	22.35	
10	64QAM	25	0	22.42	22.38	22.30	22.29	22.42	23.2
10	64QAM	25	12	22.30	22.32	22.31	22.30	22.40	
10	64QAM	25	25	22.30	22.37	22.35	22.36	22.33	
10	64QAM	50	0	22.30	22.34	22.27	22.22	22.41	
10	256QAM	1	0	21.21	21.05	21.09	21.07	21.23	21.7
10	256QAM	1	25	20.78	20.81	20.92	20.94	21.13	
10	256QAM	1	49	20.90	20.77	21.05	20.70	21.12	
10	256QAM	25	0	21.01	20.88	21.00	20.99	20.97	21.7
10	256QAM	25	12	21.00	20.87	21.04	20.84	20.83	
10	256QAM	25	25	20.91	20.82	20.94	20.76	20.74	
10	256QAM	50	0	20.93	20.79	20.85	20.77	20.77	
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	22.43	22.36	22.28	22.31	22.42	23.20
5	QPSK	1	12	22.43	22.23	22.29	22.24	22.41	
5	QPSK	1	24	22.23	22.36	22.25	22.21	22.38	
5	QPSK	12	0	22.45	22.34	22.35	22.31	22.50	23.2
5	QPSK	12	7	22.36	22.36	22.32	22.29	22.51	
5	QPSK	12	13	22.41	22.32	22.28	22.30	22.49	
5	QPSK	25	0	22.43	22.42	22.33	22.29	22.53	
5	16QAM	1	0	22.79	22.60	22.63	22.79	22.70	23.2
5	16QAM	1	12	22.46	22.47	22.70	22.73	22.51	
5	16QAM	1	24	22.51	22.79	22.72	22.68	22.54	
5	16QAM	12	0	22.41	22.31	22.37	22.36	22.45	23.2
5	16QAM	12	7	22.32	22.35	22.33	22.37	22.39	
5	16QAM	12	13	22.33	22.32	22.32	22.28	22.42	
5	16QAM	25	0	22.42	22.38	22.36	22.27	22.45	
5	64QAM	1	0	22.41	22.51	22.52	22.44	22.44	23.2
5	64QAM	1	12	22.47	22.30	22.36	22.32	22.42	
5	64QAM	1	24	22.32	22.31	22.32	22.35	22.37	
5	64QAM	12	0	22.44	22.39	22.31	22.32	22.47	23.2
5	64QAM	12	7	22.34	22.34	22.33	22.33	22.35	
5	64QAM	12	13	22.28	22.33	22.34	22.28	22.38	
5	64QAM	25	0	22.39	22.30	22.26	22.27	22.45	
5	256QAM	1	0	21.18	20.98	21.09	21.07	21.33	21.7
5	256QAM	1	12	20.75	20.89	20.91	20.98	21.07	
5	256QAM	1	24	20.95	20.74	20.98	20.74	21.04	
5	256QAM	12	0	21.02	20.93	20.96	20.93	20.98	21.7
5	256QAM	12	7	21.00	20.81	21.04	20.76	20.90	
5	256QAM	12	13	20.97	20.76	20.95	20.82	20.74	
5	256QAM	25	0	20.98	20.77	20.88	20.79	20.78	

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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	21.51	21.85	21.69	21.32	22.5
20	QPSK	1	49	21.28	21.59	21.46	21.08	
20	QPSK	1	99	21.22	21.49	21.31	20.93	
20	QPSK	50	0	21.50	21.88	21.69	21.29	22.5
20	QPSK	50	24	21.41	21.80	21.59	21.21	
20	QPSK	50	50	21.35	21.70	21.49	21.08	
20	QPSK	100	0	21.41	21.79	21.59	21.18	22.5
20	16QAM	1	0	21.62	21.93	21.77	21.43	
20	16QAM	1	49	21.45	21.72	21.55	21.19	
20	16QAM	1	99	21.33	21.59	21.38	21.05	22.5
20	16QAM	50	0	21.47	21.84	21.65	21.25	
20	16QAM	50	24	21.44	21.77	21.55	21.18	
20	16QAM	50	50	21.34	21.67	21.47	21.07	22.5
20	16QAM	100	0	21.43	21.76	21.56	21.15	
20	64QAM	1	0	21.46	21.81	21.52	21.10	
20	64QAM	1	49	21.34	21.68	21.34	20.91	22.5
20	64QAM	1	99	21.22	21.52	21.18	20.73	
20	64QAM	50	0	21.52	21.88	21.66	21.28	
20	64QAM	50	24	21.43	21.79	21.60	21.20	22.5
20	64QAM	50	50	21.37	21.70	21.47	21.09	
20	64QAM	100	0	21.41	21.75	21.55	21.15	
20	256QAM	1	0	19.32	19.61	19.53	19.17	20.6
20	256QAM	1	49	19.32	19.31	19.54	19.51	
20	256QAM	1	99	19.14	19.25	19.47	19.43	
20	256QAM	50	0	19.45	19.47	19.66	19.67	20.6
20	256QAM	50	24	19.43	19.43	19.57	19.63	
20	256QAM	50	50	19.38	19.33	19.53	19.59	
20	256QAM	100	0	19.32	19.32	19.59	19.63	
Channel				55315	55820	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3642	3692.5	
15	QPSK	1	0	21.49	21.79	21.65	21.23	22.5
15	QPSK	1	37	21.22	21.55	21.49	21.00	
15	QPSK	1	74	21.29	21.56	21.43	20.93	
15	QPSK	36	0	21.44	21.80	21.73	21.24	22.5
15	QPSK	36	20	21.38	21.76	21.63	21.14	
15	QPSK	36	39	21.34	21.70	21.60	21.09	
15	QPSK	75	0	21.41	21.80	21.68	21.18	22.5
15	16QAM	1	0	21.51	21.89	21.79	21.40	
15	16QAM	1	37	21.41	21.81	21.64	21.30	
15	16QAM	1	74	21.34	21.68	21.56	21.12	22.5
15	16QAM	36	0	21.43	21.78	21.70	21.20	
15	16QAM	36	20	21.38	21.71	21.61	21.10	
15	16QAM	36	39	21.36	21.67	21.57	21.02	22.5
15	16QAM	75	0	21.46	21.80	21.68	21.18	
15	64QAM	1	0	21.32	21.75	21.67	21.15	
15	64QAM	1	37	21.17	21.61	21.48	20.95	22.5
15	64QAM	1	74	21.12	21.48	21.42	20.85	
15	64QAM	36	0	21.49	21.86	21.74	21.25	
15	64QAM	36	20	21.43	21.78	21.67	21.14	22.5
15	64QAM	36	39	21.40	21.71	21.59	21.08	
15	64QAM	75	0	21.39	21.75	21.66	21.14	
15	256QAM	1	0	19.25	19.61	19.52	19.13	20.6
15	256QAM	1	37	19.31	19.21	19.46	19.44	
15	256QAM	1	74	19.13	19.19	19.47	19.39	
15	256QAM	36	0	19.39	19.47	19.59	19.58	20.6
15	256QAM	36	20	19.38	19.39	19.51	19.57	
15	256QAM	36	39	19.32	19.31	19.45	19.49	



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15	256QAM	75	0	19.27	19.31	19.49	19.63	
Channel				55290	55815	56165	56690	Tune-up limit
Frequency (MHz)				3555	3607.5	3642.5	3695	(dBm)
10	QPSK	1	0	21.49	21.87	21.80	21.33	22.5
10	QPSK	1	25	21.30	21.66	21.58	21.11	
10	QPSK	1	49	21.34	21.71	21.61	21.13	
10	QPSK	25	0	21.42	21.83	21.72	21.25	22.5
10	QPSK	25	12	21.38	21.79	21.65	21.20	
10	QPSK	25	25	21.35	21.74	21.62	21.14	
10	QPSK	50	0	21.41	21.78	21.70	21.22	
10	16QAM	1	0	21.46	21.83	21.73	21.34	22.5
10	16QAM	1	25	21.32	21.70	21.55	21.19	
10	16QAM	1	49	21.30	21.65	21.53	21.20	
10	16QAM	25	0	21.52	21.90	21.77	21.33	22.5
10	16QAM	25	12	21.49	21.83	21.72	21.25	
10	16QAM	25	25	21.46	21.80	21.68	21.24	
10	16QAM	50	0	21.42	21.80	21.69	21.19	
10	64QAM	1	0	21.37	21.69	21.41	21.10	22.5
10	64QAM	1	25	21.23	21.53	21.27	20.96	
10	64QAM	1	49	21.22	21.51	21.27	20.91	
10	64QAM	25	0	21.45	21.82	21.72	21.22	22.5
10	64QAM	25	12	21.39	21.76	21.69	21.15	
10	64QAM	25	25	21.37	21.72	21.62	21.14	
10	64QAM	50	0	21.43	21.81	21.69	21.23	
10	256QAM	1	0	19.22	19.52	19.53	19.11	20.6
10	256QAM	1	25	19.29	19.22	19.49	19.48	
10	256QAM	1	49	19.06	19.19	19.40	19.34	
10	256QAM	25	0	19.41	19.44	19.61	19.59	20.6
10	256QAM	25	12	19.38	19.35	19.54	19.53	
10	256QAM	25	25	19.30	19.24	19.49	19.57	
10	256QAM	50	0	19.22	19.31	19.56	19.61	
Channel				55265	55810	56170	56715	Tune-up limit
Frequency (MHz)				3552.5	3607	3643	3697.5	(dBm)
5	QPSK	1	0	21.46	21.81	21.72	21.51	22.5
5	QPSK	1	12	21.51	21.89	21.71	21.54	
5	QPSK	1	24	21.44	21.76	21.66	21.43	
5	QPSK	12	0	21.44	21.81	21.70	21.50	22.5
5	QPSK	12	7	21.40	21.81	21.66	21.48	
5	QPSK	12	13	21.40	21.77	21.67	21.44	
5	QPSK	25	0	21.43	21.79	21.69	21.45	
5	16QAM	1	0	21.50	21.91	21.77	21.57	22.5
5	16QAM	1	12	21.44	21.85	21.76	21.56	
5	16QAM	1	24	21.49	21.88	21.73	21.45	
5	16QAM	12	0	21.42	21.77	21.66	21.45	22.5
5	16QAM	12	7	21.45	21.77	21.64	21.49	
5	16QAM	12	13	21.40	21.74	21.62	21.42	
5	16QAM	25	0	21.51	21.86	21.70	21.50	
5	64QAM	1	0	21.24	21.61	21.62	21.33	22.5
5	64QAM	1	12	21.20	21.54	21.66	21.27	
5	64QAM	1	24	21.18	21.52	21.51	21.24	
5	64QAM	12	0	21.44	21.74	21.64	21.44	
5	64QAM	12	7	21.41	21.70	21.64	21.44	22.5
5	64QAM	12	13	21.41	21.70	21.61	21.38	
5	64QAM	25	0	21.39	21.75	21.62	21.44	
5	256QAM	1	0	19.30	19.59	19.47	19.14	
5	256QAM	1	12	19.26	19.30	19.50	19.48	20.6
5	256QAM	1	24	19.14	19.17	19.41	19.39	
5	256QAM	12	0	19.39	19.40	19.57	19.60	
5	256QAM	12	7	19.39	19.40	19.47	19.54	20.6
5	256QAM	12	13	19.38	19.27	19.45	19.52	
5	256QAM	25	0	19.27	19.25	19.53	19.58	



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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	20.7
Frequency (MHz)				3560	3609	3641	3690	
20	QPSK	1	0	20.17	20.47	20.33	19.93	20.7
20	QPSK	1	49	20.14	20.43	20.27	19.85	
20	QPSK	1	99	19.86	20.14	19.94	19.62	
20	QPSK	50	0	20.13	20.42	20.26	19.84	20.7
20	QPSK	50	24	20.06	20.37	20.19	19.75	
20	QPSK	50	50	19.99	20.26	20.08	19.61	
20	QPSK	100	0	20.05	20.34	20.15	19.72	20.7
20	16QAM	1	0	20.22	20.52	20.38	19.92	
20	16QAM	1	49	20.20	20.51	20.33	19.86	
20	16QAM	1	99	19.93	20.20	19.99	19.60	20.7
20	16QAM	50	0	20.12	20.41	20.25	19.82	
20	16QAM	50	24	20.04	20.34	20.17	19.72	
20	16QAM	50	50	19.96	20.25	20.05	19.61	20.7
20	16QAM	100	0	20.04	20.33	20.17	19.71	
20	64QAM	1	0	19.87	20.34	19.97	19.61	
20	64QAM	1	49	19.87	20.23	19.89	19.60	20.7
20	64QAM	1	99	19.69	20.05	19.63	19.60	
20	64QAM	50	0	20.14	20.43	20.28	19.85	
20	64QAM	50	24	20.07	20.37	20.23	19.78	20.7
20	64QAM	50	50	19.97	20.27	20.10	19.64	
20	64QAM	100	0	20.04	20.33	20.15	19.69	
20	256QAM	1	0	19.23	19.51	19.48	19.07	20.7
20	256QAM	1	49	19.26	19.22	19.44	19.50	
20	256QAM	1	99	19.05	19.24	19.40	19.43	
20	256QAM	50	0	19.37	19.47	19.57	19.58	20.7
20	256QAM	50	24	19.36	19.35	19.47	19.55	
20	256QAM	50	50	19.36	19.27	19.52	19.55	
20	256QAM	100	0	19.23	19.23	19.54	19.59	20.7
Channel				55315	55820	56160	56665	
Frequency (MHz)				3557.5	3608	3642	3692.5	Tune-up limit (dBm)
15	QPSK	1	0	20.11	20.39	20.31	19.83	20.7
15	QPSK	1	37	20.11	20.39	20.24	19.80	
15	QPSK	1	74	19.81	20.13	19.93	19.62	
15	QPSK	36	0	20.13	20.42	20.19	19.79	20.7
15	QPSK	36	20	19.97	20.27	20.19	19.68	
15	QPSK	36	39	19.89	20.17	20.04	19.63	
15	QPSK	75	0	19.95	20.28	20.15	19.70	20.7
15	16QAM	1	0	20.15	20.49	20.34	19.89	
15	16QAM	1	37	20.16	20.50	20.23	19.81	
15	16QAM	1	74	19.85	20.13	19.93	19.60	20.7
15	16QAM	36	0	20.10	20.41	20.24	19.74	
15	16QAM	36	20	19.97	20.32	20.10	19.68	
15	16QAM	36	39	19.87	20.16	19.97	19.63	20.7
15	16QAM	75	0	19.99	20.29	20.17	19.69	
15	64QAM	1	0	19.87	20.28	19.87	19.60	
15	64QAM	1	37	19.79	20.21	19.84	19.62	20.7
15	64QAM	1	74	19.65	19.96	19.63	19.62	
15	64QAM	36	0	20.04	20.41	20.21	19.81	
15	64QAM	36	20	20.06	20.29	20.23	19.68	20.7
15	64QAM	36	39	19.96	20.22	20.04	19.64	
15	64QAM	75	0	20.01	20.32	20.07	19.66	
15	256QAM	1	0	19.13	19.42	19.44	19.05	20.7
15	256QAM	1	37	19.16	19.12	19.37	19.45	
15	256QAM	1	74	19.01	19.17	19.36	19.37	
15	256QAM	36	0	19.28	19.44	19.51	19.53	20.7
15	256QAM	36	20	19.29	19.29	19.39	19.46	
15	256QAM	36	39	19.36	19.19	19.51	19.49	



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15	256QAM	75	0	19.18	19.16	19.44	19.51	
Channel				55290	55815	56165	56690	Tune-up limit
Frequency (MHz)				3555	3607.5	3642.5	3695	(dBm)
10	QPSK	1	0	20.13	20.38	20.25	19.93	20.7
10	QPSK	1	25	20.05	20.40	20.17	19.84	
10	QPSK	1	49	19.79	20.14	19.94	19.66	
10	QPSK	25	0	20.07	20.32	20.21	19.78	20.7
10	QPSK	25	12	20.00	20.30	20.10	19.69	
10	QPSK	25	25	19.95	20.26	20.05	19.63	
10	QPSK	50	0	20.03	20.27	20.14	19.75	
10	16QAM	1	0	20.21	20.50	20.37	19.98	20.7
10	16QAM	1	25	20.13	20.50	20.25	19.95	
10	16QAM	1	49	19.93	20.19	19.98	19.69	
10	16QAM	25	0	20.06	20.41	20.18	19.82	20.7
10	16QAM	25	12	20.04	20.31	20.17	19.74	
10	16QAM	25	25	19.88	20.24	19.96	19.67	
10	16QAM	50	0	19.97	20.27	20.17	19.71	
10	64QAM	1	0	19.81	20.25	19.92	19.61	20.7
10	64QAM	1	25	19.81	20.19	19.85	19.68	
10	64QAM	1	49	19.69	20.05	19.61	19.68	
10	64QAM	25	0	20.11	20.33	20.18	19.93	
10	64QAM	25	12	20.02	20.35	20.18	19.87	20.7
10	64QAM	25	25	19.95	20.17	20.00	19.69	
10	64QAM	50	0	19.95	20.28	20.14	19.66	
10	256QAM	1	0	19.20	19.43	19.43	19.04	
10	256QAM	1	25	19.26	19.16	19.42	19.45	20.7
10	256QAM	1	49	19.03	19.22	19.35	19.35	
10	256QAM	25	0	19.27	19.46	19.57	19.57	
10	256QAM	25	12	19.30	19.32	19.43	19.48	20.7
10	256QAM	25	25	19.36	19.21	19.42	19.50	
10	256QAM	50	0	19.16	19.17	19.46	19.57	
Channel				55265	55810	56170	56715	Tune-up limit
Frequency (MHz)				3552.5	3607	3643	3697.5	(dBm)
5	QPSK	1	0	20.10	20.42	20.32	19.87	20.7
5	QPSK	1	12	20.11	20.36	20.22	19.78	
5	QPSK	1	24	19.84	20.11	19.91	19.61	
5	QPSK	12	0	20.07	20.36	20.23	19.78	20.7
5	QPSK	12	7	19.96	20.34	20.11	19.73	
5	QPSK	12	13	19.94	20.22	20.00	19.63	
5	QPSK	25	0	20.00	20.26	20.08	19.65	
5	16QAM	1	0	20.15	20.47	20.29	19.86	20.7
5	16QAM	1	12	20.17	20.50	20.26	19.77	
5	16QAM	1	24	19.92	20.20	19.90	19.62	
5	16QAM	12	0	20.11	20.40	20.19	19.72	20.7
5	16QAM	12	7	19.96	20.28	20.16	19.70	
5	16QAM	12	13	19.90	20.15	19.95	19.63	
5	16QAM	25	0	19.95	20.26	20.17	19.67	
5	64QAM	1	0	19.86	20.26	19.88	19.62	20.7
5	64QAM	1	12	19.85	20.21	19.88	19.66	
5	64QAM	1	24	19.64	20.00	19.62	19.63	
5	64QAM	12	0	20.04	20.43	20.24	19.77	20.7
5	64QAM	12	7	19.98	20.37	20.13	19.73	
5	64QAM	12	13	19.96	20.26	20.05	19.62	
5	64QAM	25	0	19.94	20.23	20.06	19.67	
5	256QAM	1	0	19.14	19.44	19.39	19.05	20.7
5	256QAM	1	12	19.24	19.19	19.34	19.49	
5	256QAM	1	24	18.95	19.22	19.40	19.36	
5	256QAM	12	0	19.31	19.47	19.56	19.50	20.7
5	256QAM	12	7	19.26	19.35	19.42	19.46	
5	256QAM	12	13	19.29	19.18	19.46	19.47	
5	256QAM	25	0	19.16	19.20	19.46	19.49	

**<LTE Band 48_Ant 6_Index 5>**

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	20.17	20.47	20.33	19.93	21.6
20	QPSK	1	49	20.14	20.43	20.27	19.85	
20	QPSK	1	99	19.86	20.14	19.94	19.62	
20	QPSK	50	0	20.13	20.42	20.26	19.84	21.6
20	QPSK	50	24	20.06	20.37	20.19	19.75	
20	QPSK	50	50	19.99	20.26	20.08	19.61	
20	QPSK	100	0	20.05	20.34	20.15	19.72	
20	16QAM	1	0	20.22	20.52	20.38	19.92	21.6
20	16QAM	1	49	20.20	20.51	20.33	19.86	
20	16QAM	1	99	19.93	20.20	19.99	19.60	
20	16QAM	50	0	20.12	20.41	20.25	19.82	21.6
20	16QAM	50	24	20.04	20.34	20.17	19.72	
20	16QAM	50	50	19.96	20.25	20.05	19.61	
20	16QAM	100	0	20.04	20.33	20.17	19.71	
20	64QAM	1	0	19.87	20.34	19.97	19.61	21.6
20	64QAM	1	49	19.87	20.23	19.89	19.60	
20	64QAM	1	99	19.69	20.05	19.63	19.60	
20	64QAM	50	0	20.14	20.43	20.28	19.85	21.6
20	64QAM	50	24	20.07	20.37	20.23	19.78	
20	64QAM	50	50	19.97	20.27	20.10	19.64	
20	64QAM	100	0	20.04	20.33	20.15	19.69	
20	256QAM	1	0	19.23	19.51	19.48	19.07	20.6
20	256QAM	1	49	19.26	19.22	19.44	19.50	
20	256QAM	1	99	19.05	19.24	19.40	19.43	
20	256QAM	50	0	19.37	19.47	19.57	19.58	20.6
20	256QAM	50	24	19.36	19.35	19.47	19.55	
20	256QAM	50	50	19.36	19.27	19.52	19.55	
20	256QAM	100	0	19.23	19.23	19.54	19.59	
Channel				55315	55820	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3642	3692.5	
15	QPSK	1	0	20.11	20.39	20.31	19.83	21.6
15	QPSK	1	37	20.11	20.39	20.24	19.80	
15	QPSK	1	74	19.81	20.13	19.93	19.62	
15	QPSK	36	0	20.13	20.42	20.19	19.79	21.6
15	QPSK	36	20	19.97	20.27	20.19	19.68	
15	QPSK	36	39	19.89	20.17	20.04	19.63	
15	QPSK	75	0	19.95	20.28	20.15	19.70	
15	16QAM	1	0	20.15	20.49	20.34	19.89	21.6
15	16QAM	1	37	20.16	20.50	20.23	19.81	
15	16QAM	1	74	19.85	20.13	19.93	19.60	
15	16QAM	36	0	20.10	20.41	20.24	19.74	21.6
15	16QAM	36	20	19.97	20.32	20.10	19.68	
15	16QAM	36	39	19.87	20.16	19.97	19.63	
15	16QAM	75	0	19.99	20.29	20.17	19.69	
15	64QAM	1	0	19.87	20.28	19.87	19.60	21.6
15	64QAM	1	37	19.79	20.21	19.84	19.62	
15	64QAM	1	74	19.65	19.96	19.63	19.62	
15	64QAM	36	0	20.04	20.41	20.21	19.81	21.6
15	64QAM	36	20	20.06	20.29	20.23	19.68	
15	64QAM	36	39	19.96	20.22	20.04	19.64	
15	64QAM	75	0	20.01	20.32	20.07	19.66	
15	256QAM	1	0	19.13	19.42	19.44	19.05	20.6
15	256QAM	1	37	19.16	19.12	19.37	19.45	
15	256QAM	1	74	19.01	19.17	19.36	19.37	
15	256QAM	36	0	19.28	19.44	19.51	19.53	20.6
15	256QAM	36	20	19.29	19.29	19.39	19.46	
15	256QAM	36	39	19.36	19.19	19.51	19.49	



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15	256QAM	75	0	19.18	19.16	19.44	19.51	Tune-up limit (dBm)
Channel				55290	55815	56165	56690	
Frequency (MHz)				3555	3607.5	3642.5	3695	
10	QPSK	1	0	20.13	20.38	20.25	19.93	21.6
10	QPSK	1	25	20.05	20.40	20.17	19.84	
10	QPSK	1	49	19.79	20.14	19.94	19.66	
10	QPSK	25	0	20.07	20.32	20.21	19.78	21.6
10	QPSK	25	12	20.00	20.30	20.10	19.69	
10	QPSK	25	25	19.95	20.26	20.05	19.63	
10	QPSK	50	0	20.03	20.27	20.14	19.75	
10	16QAM	1	0	20.21	20.50	20.37	19.98	21.6
10	16QAM	1	25	20.13	20.50	20.25	19.95	
10	16QAM	1	49	19.93	20.19	19.98	19.69	
10	16QAM	25	0	20.06	20.41	20.18	19.82	21.6
10	16QAM	25	12	20.04	20.31	20.17	19.74	
10	16QAM	25	25	19.88	20.24	19.96	19.67	
10	16QAM	50	0	19.97	20.27	20.17	19.71	
10	64QAM	1	0	19.81	20.25	19.92	19.61	21.6
10	64QAM	1	25	19.81	20.19	19.85	19.68	
10	64QAM	1	49	19.69	20.05	19.61	19.68	
10	64QAM	25	0	20.11	20.33	20.18	19.93	21.6
10	64QAM	25	12	20.02	20.35	20.18	19.87	
10	64QAM	25	25	19.95	20.17	20.00	19.69	
10	64QAM	50	0	19.95	20.28	20.14	19.66	
10	256QAM	1	0	19.20	19.43	19.43	19.04	20.6
10	256QAM	1	25	19.26	19.16	19.42	19.45	
10	256QAM	1	49	19.03	19.22	19.35	19.35	
10	256QAM	25	0	19.27	19.46	19.57	19.57	20.6
10	256QAM	25	12	19.30	19.32	19.43	19.48	
10	256QAM	25	25	19.36	19.21	19.42	19.50	
10	256QAM	50	0	19.16	19.17	19.46	19.57	
Channel				55265	55810	56170	56715	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3643	3697.5	
5	QPSK	1	0	20.10	20.42	20.32	19.87	21.6
5	QPSK	1	12	20.11	20.36	20.22	19.78	
5	QPSK	1	24	19.84	20.11	19.91	19.61	
5	QPSK	12	0	20.07	20.36	20.23	19.78	21.6
5	QPSK	12	7	19.96	20.34	20.11	19.73	
5	QPSK	12	13	19.94	20.22	20.00	19.63	
5	QPSK	25	0	20.00	20.26	20.08	19.65	
5	16QAM	1	0	20.15	20.47	20.29	19.86	21.6
5	16QAM	1	12	20.17	20.50	20.26	19.77	
5	16QAM	1	24	19.92	20.20	19.90	19.62	
5	16QAM	12	0	20.11	20.40	20.19	19.72	21.6
5	16QAM	12	7	19.96	20.28	20.16	19.70	
5	16QAM	12	13	19.90	20.15	19.95	19.63	
5	16QAM	25	0	19.95	20.26	20.17	19.67	
5	64QAM	1	0	19.86	20.26	19.88	19.62	21.6
5	64QAM	1	12	19.85	20.21	19.88	19.66	
5	64QAM	1	24	19.64	20.00	19.62	19.63	
5	64QAM	12	0	20.04	20.43	20.24	19.77	21.6
5	64QAM	12	7	19.98	20.37	20.13	19.73	
5	64QAM	12	13	19.96	20.26	20.05	19.62	
5	64QAM	25	0	19.94	20.23	20.06	19.67	
5	256QAM	1	0	19.14	19.44	19.39	19.05	20.6
5	256QAM	1	12	19.24	19.19	19.34	19.49	
5	256QAM	1	24	18.95	19.22	19.40	19.36	
5	256QAM	12	0	19.31	19.47	19.56	19.50	20.6
5	256QAM	12	7	19.26	19.35	19.42	19.46	
5	256QAM	12	13	19.29	19.18	19.46	19.47	
5	256QAM	25	0	19.16	19.20	19.46	19.49	



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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	20.9
Frequency (MHz)				3560	3609	3641	3690	
20	QPSK	1	0	20.17	20.47	20.33	19.93	20.9
20	QPSK	1	49	20.14	20.43	20.27	19.85	
20	QPSK	1	99	19.86	20.14	19.94	19.62	
20	QPSK	50	0	20.13	20.42	20.26	19.84	20.9
20	QPSK	50	24	20.06	20.37	20.19	19.75	
20	QPSK	50	50	19.99	20.26	20.08	19.61	
20	QPSK	100	0	20.05	20.34	20.15	19.72	20.9
20	16QAM	1	0	20.22	20.52	20.38	19.92	
20	16QAM	1	49	20.20	20.51	20.33	19.86	
20	16QAM	1	99	19.93	20.20	19.99	19.60	20.9
20	16QAM	50	0	20.12	20.41	20.25	19.82	
20	16QAM	50	24	20.04	20.34	20.17	19.72	
20	16QAM	50	50	19.96	20.25	20.05	19.61	20.9
20	16QAM	100	0	20.04	20.33	20.17	19.71	
20	64QAM	1	0	19.87	20.34	19.97	19.61	
20	64QAM	1	49	19.87	20.23	19.89	19.60	20.9
20	64QAM	1	99	19.69	20.05	19.63	19.60	
20	64QAM	50	0	20.14	20.43	20.28	19.85	
20	64QAM	50	24	20.07	20.37	20.23	19.78	20.9
20	64QAM	50	50	19.97	20.27	20.10	19.64	
20	64QAM	100	0	20.04	20.33	20.15	19.69	
20	256QAM	1	0	19.23	19.51	19.48	19.07	20.9
20	256QAM	1	49	19.26	19.22	19.44	19.50	
20	256QAM	1	99	19.05	19.24	19.40	19.43	
20	256QAM	50	0	19.37	19.47	19.57	19.58	20.9
20	256QAM	50	24	19.36	19.35	19.47	19.55	
20	256QAM	50	50	19.36	19.27	19.52	19.55	
20	256QAM	100	0	19.23	19.23	19.54	19.59	Tune-up limit (dBm)
Channel				55315	55820	56160	56665	
Frequency (MHz)				3557.5	3608	3642	3692.5	20.9
15	QPSK	1	0	20.11	20.39	20.31	19.83	
15	QPSK	1	37	20.11	20.39	20.24	19.80	20.9
15	QPSK	1	74	19.81	20.13	19.93	19.62	
15	QPSK	36	0	20.13	20.42	20.19	19.79	
15	QPSK	36	20	19.97	20.27	20.19	19.68	20.9
15	QPSK	36	39	19.89	20.17	20.04	19.63	
15	QPSK	75	0	19.95	20.28	20.15	19.70	
15	16QAM	1	0	20.15	20.49	20.34	19.89	20.9
15	16QAM	1	37	20.16	20.50	20.23	19.81	
15	16QAM	1	74	19.85	20.13	19.93	19.60	
15	16QAM	36	0	20.10	20.41	20.24	19.74	20.9
15	16QAM	36	20	19.97	20.32	20.10	19.68	
15	16QAM	36	39	19.87	20.16	19.97	19.63	
15	16QAM	75	0	19.99	20.29	20.17	19.69	20.9
15	64QAM	1	0	19.87	20.28	19.87	19.60	
15	64QAM	1	37	19.79	20.21	19.84	19.62	
15	64QAM	1	74	19.65	19.96	19.63	19.62	20.9
15	64QAM	36	0	20.04	20.41	20.21	19.81	
15	64QAM	36	20	20.06	20.29	20.23	19.68	
15	64QAM	36	39	19.96	20.22	20.04	19.64	20.9
15	64QAM	75	0	20.01	20.32	20.07	19.66	
15	256QAM	1	0	19.13	19.42	19.44	19.05	
15	256QAM	1	37	19.16	19.12	19.37	19.45	20.9
15	256QAM	1	74	19.01	19.17	19.36	19.37	
15	256QAM	36	0	19.28	19.44	19.51	19.53	
15	256QAM	36	20	19.29	19.29	19.39	19.46	20.9
15	256QAM	36	39	19.36	19.19	19.51	19.49	



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15	256QAM	75	0	19.18	19.16	19.44	19.51	
Channel				55290	55815	56165	56690	Tune-up limit
Frequency (MHz)				3555	3607.5	3642.5	3695	(dBm)
10	QPSK	1	0	20.13	20.38	20.25	19.93	20.9
10	QPSK	1	25	20.05	20.40	20.17	19.84	
10	QPSK	1	49	19.79	20.14	19.94	19.66	
10	QPSK	25	0	20.07	20.32	20.21	19.78	20.9
10	QPSK	25	12	20.00	20.30	20.10	19.69	
10	QPSK	25	25	19.95	20.26	20.05	19.63	
10	QPSK	50	0	20.03	20.27	20.14	19.75	
10	16QAM	1	0	20.21	20.50	20.37	19.98	20.9
10	16QAM	1	25	20.13	20.50	20.25	19.95	
10	16QAM	1	49	19.93	20.19	19.98	19.69	
10	16QAM	25	0	20.06	20.41	20.18	19.82	20.9
10	16QAM	25	12	20.04	20.31	20.17	19.74	
10	16QAM	25	25	19.88	20.24	19.96	19.67	
10	16QAM	50	0	19.97	20.27	20.17	19.71	
10	64QAM	1	0	19.81	20.25	19.92	19.61	20.9
10	64QAM	1	25	19.81	20.19	19.85	19.68	
10	64QAM	1	49	19.69	20.05	19.61	19.68	
10	64QAM	25	0	20.11	20.33	20.18	19.93	
10	64QAM	25	12	20.02	20.35	20.18	19.87	20.9
10	64QAM	25	25	19.95	20.17	20.00	19.69	
10	64QAM	50	0	19.95	20.28	20.14	19.66	
10	256QAM	1	0	19.20	19.43	19.43	19.04	
10	256QAM	1	25	19.26	19.16	19.42	19.45	20.9
10	256QAM	1	49	19.03	19.22	19.35	19.35	
10	256QAM	25	0	19.27	19.46	19.57	19.57	
10	256QAM	25	12	19.30	19.32	19.43	19.48	20.9
10	256QAM	25	25	19.36	19.21	19.42	19.50	
10	256QAM	50	0	19.16	19.17	19.46	19.57	
Channel				55265	55810	56170	56715	Tune-up limit
Frequency (MHz)				3552.5	3607	3643	3697.5	(dBm)
5	QPSK	1	0	20.10	20.42	20.32	19.87	20.9
5	QPSK	1	12	20.11	20.36	20.22	19.78	
5	QPSK	1	24	19.84	20.11	19.91	19.61	
5	QPSK	12	0	20.07	20.36	20.23	19.78	20.9
5	QPSK	12	7	19.96	20.34	20.11	19.73	
5	QPSK	12	13	19.94	20.22	20.00	19.63	
5	QPSK	25	0	20.00	20.26	20.08	19.65	
5	16QAM	1	0	20.15	20.47	20.29	19.86	20.9
5	16QAM	1	12	20.17	20.50	20.26	19.77	
5	16QAM	1	24	19.92	20.20	19.90	19.62	
5	16QAM	12	0	20.11	20.40	20.19	19.72	20.9
5	16QAM	12	7	19.96	20.28	20.16	19.70	
5	16QAM	12	13	19.90	20.15	19.95	19.63	
5	16QAM	25	0	19.95	20.26	20.17	19.67	
5	64QAM	1	0	19.86	20.26	19.88	19.62	20.9
5	64QAM	1	12	19.85	20.21	19.88	19.66	
5	64QAM	1	24	19.64	20.00	19.62	19.63	
5	64QAM	12	0	20.04	20.43	20.24	19.77	20.9
5	64QAM	12	7	19.98	20.37	20.13	19.73	
5	64QAM	12	13	19.96	20.26	20.05	19.62	
5	64QAM	25	0	19.94	20.23	20.06	19.67	
5	256QAM	1	0	19.14	19.44	19.39	19.05	20.9
5	256QAM	1	12	19.24	19.19	19.34	19.49	
5	256QAM	1	24	18.95	19.22	19.40	19.36	
5	256QAM	12	0	19.31	19.47	19.56	19.50	20.9
5	256QAM	12	7	19.26	19.35	19.42	19.46	
5	256QAM	12	13	19.29	19.18	19.46	19.47	
5	256QAM	25	0	19.16	19.20	19.46	19.49	

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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	22.83	23.10	22.95	22.55	24
20	QPSK	1	49	22.60	22.85	22.74	22.43	
20	QPSK	1	99	22.51	22.75	22.58	22.12	
20	QPSK	50	0	22.42	22.74	22.55	22.13	24
20	QPSK	50	24	22.38	22.67	22.50	22.02	
20	QPSK	50	50	22.27	22.57	22.34	22.02	
20	QPSK	100	0	22.30	22.62	22.38	22.03	24
20	16QAM	1	0	22.48	22.87	22.55	22.23	
20	16QAM	1	49	22.35	22.75	22.43	22.10	
20	16QAM	1	99	22.17	22.54	22.19	21.82	23.2
20	16QAM	50	0	21.34	21.67	21.44	21.05	
20	16QAM	50	24	21.25	21.56	21.39	20.94	
20	16QAM	50	50	21.21	21.49	21.26	20.84	23.2
20	16QAM	100	0	21.29	21.57	21.39	20.94	
20	64QAM	1	0	21.27	21.54	21.27	20.86	
20	64QAM	1	49	21.27	21.31	21.19	20.74	22.2
20	64QAM	1	99	20.98	21.19	20.98	20.46	
20	64QAM	50	0	20.37	20.67	20.49	20.07	
20	64QAM	50	24	20.28	20.56	20.40	19.93	20.2
20	64QAM	50	50	20.21	20.49	20.29	19.83	
20	64QAM	100	0	20.27	20.54	20.34	19.91	
20	256QAM	1	0	18.20	18.29	18.33	18.31	20.2
20	256QAM	1	49	18.11	18.23	18.21	18.16	
20	256QAM	1	99	18.03	18.19	18.22	18.25	
20	256QAM	50	0	18.44	18.49	18.50	18.49	20.2
20	256QAM	50	24	18.40	18.44	18.50	18.48	
20	256QAM	50	50	18.36	18.40	18.47	18.44	
20	256QAM	100	0	18.25	18.40	18.44	18.42	
Channel				55315	55820	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3642	3692.5	
15	QPSK	1	0	22.75	23.09	22.98	22.45	24
15	QPSK	1	37	22.69	23.04	22.89	22.38	
15	QPSK	1	74	22.54	22.87	22.71	22.13	
15	QPSK	36	0	22.33	22.64	22.54	22.06	24
15	QPSK	36	20	22.27	22.60	22.45	21.95	
15	QPSK	36	39	22.22	22.51	22.40	21.91	
15	QPSK	75	0	22.29	22.59	22.49	21.98	24
15	16QAM	1	0	22.47	22.67	22.50	22.01	
15	16QAM	1	37	22.25	22.50	22.31	21.82	
15	16QAM	1	74	22.23	22.46	22.25	21.76	23.2
15	16QAM	36	0	21.32	21.62	21.48	21.00	
15	16QAM	36	20	21.28	21.58	21.45	20.91	
15	16QAM	36	39	21.20	21.49	21.38	20.83	23.2
15	16QAM	75	0	21.30	21.62	21.54	20.98	
15	64QAM	1	0	21.29	21.41	21.50	20.91	
15	64QAM	1	37	21.36	21.38	21.30	20.70	22.2
15	64QAM	1	74	21.07	21.22	21.22	20.61	
15	64QAM	36	0	20.35	20.62	20.53	20.02	
15	64QAM	36	20	20.31	20.56	20.45	19.91	20.2
15	64QAM	36	39	20.21	20.50	20.39	19.85	
15	64QAM	75	0	20.24	20.56	20.45	19.90	
15	256QAM	1	0	18.16	18.21	18.32	18.29	20.2
15	256QAM	1	37	18.15	18.26	18.40	18.21	
15	256QAM	1	74	18.02	18.11	18.43	18.13	
15	256QAM	36	0	18.32	18.37	18.50	18.37	20.2
15	256QAM	36	20	18.29	18.34	18.41	18.34	
15	256QAM	36	39	18.27	18.36	18.40	18.36	
15	256QAM	75	0	18.33	18.42	18.44	18.41	



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Channel				55290	55815	56165	56690	Tune-up limit
Frequency (MHz)				3555	3607.5	3642.5	3695	(dBm)
10	QPSK	1	0	22.78	23.08	22.98	22.49	24
10	QPSK	1	25	22.56	22.86	22.79	22.27	
10	QPSK	1	49	22.59	22.87	22.80	22.26	
10	QPSK	25	0	22.35	22.64	22.58	22.06	24
10	QPSK	25	12	22.33	22.60	22.53	22.00	
10	QPSK	25	25	22.27	22.53	22.49	22.02	
10	QPSK	50	0	22.38	22.67	22.57	22.05	24
10	16QAM	1	0	22.34	22.74	22.62	22.19	
10	16QAM	1	25	22.17	22.55	22.42	22.00	
10	16QAM	1	49	22.19	22.56	22.41	21.95	23.2
10	16QAM	25	0	21.36	21.69	21.60	21.08	
10	16QAM	25	12	21.32	21.69	21.55	21.05	
10	16QAM	25	25	21.30	21.62	21.49	21.03	23.2
10	16QAM	50	0	21.29	21.63	21.47	21.02	
10	64QAM	1	0	21.14	21.44	21.43	20.96	
10	64QAM	1	25	20.99	21.27	21.24	20.75	22.2
10	64QAM	1	49	21.05	21.29	21.24	20.76	
10	64QAM	25	0	20.33	20.61	20.53	20.04	
10	64QAM	25	12	20.29	20.59	20.52	19.98	20.2
10	64QAM	25	25	20.24	20.52	20.48	19.91	
10	64QAM	50	0	20.28	20.59	20.55	20.05	
10	256QAM	1	0	18.06	18.30	18.35	18.22	20.2
10	256QAM	1	25	17.99	18.09	18.36	18.21	
10	256QAM	1	49	18.09	18.25	18.39	18.30	
10	256QAM	25	0	18.36	18.46	18.40	18.46	20.2
10	256QAM	25	12	18.37	18.41	18.50	18.42	
10	256QAM	25	25	18.34	18.38	18.47	18.45	
10	256QAM	50	0	18.36	18.44	18.40	18.47	
Channel				55265	55810	56170	56715	Tune-up limit
Frequency (MHz)				3552.5	3607	3643	3697.5	(dBm)
5	QPSK	1	0	22.76	23.04	22.91	22.70	24
5	QPSK	1	12	22.70	23.04	22.88	22.68	
5	QPSK	1	24	22.70	22.99	22.87	22.63	
5	QPSK	12	0	22.34	22.65	22.53	22.30	24
5	QPSK	12	7	22.32	22.64	22.52	22.29	
5	QPSK	12	13	22.28	22.61	22.49	22.25	
5	QPSK	25	0	22.29	22.64	22.57	22.31	24
5	16QAM	1	0	22.38	22.78	22.66	22.36	
5	16QAM	1	12	22.35	22.82	22.71	22.33	
5	16QAM	1	24	22.34	22.72	22.61	22.26	23.2
5	16QAM	12	0	21.27	21.59	21.47	21.20	
5	16QAM	12	7	21.25	21.56	21.43	21.18	
5	16QAM	12	13	21.22	21.54	21.41	21.15	23.2
5	16QAM	25	0	21.37	21.68	21.58	21.34	
5	64QAM	1	0	21.13	21.51	21.35	21.16	
5	64QAM	1	12	21.01	21.52	21.26	21.01	22.2
5	64QAM	1	24	21.03	21.42	21.25	21.01	
5	64QAM	12	0	20.28	20.55	20.48	20.23	
5	64QAM	12	7	20.28	20.55	20.45	20.20	20.2
5	64QAM	12	13	20.28	20.50	20.43	20.16	
5	64QAM	25	0	20.32	20.61	20.50	20.25	
5	256QAM	1	0	18.10	18.22	18.16	18.21	20.2
5	256QAM	1	12	18.17	18.33	18.26	18.18	
5	256QAM	1	24	18.09	18.27	18.19	18.23	
5	256QAM	12	0	18.29	18.36	18.47	18.38	20.2
5	256QAM	12	7	18.29	18.37	18.47	18.37	
5	256QAM	12	13	18.27	18.41	18.50	18.41	
5	256QAM	25	0	18.36	18.47	18.50	18.45	



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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	22.01	22.28	22.09	21.75	22.4
20	QPSK	1	49	21.75	22.00	21.87	21.72	
20	QPSK	1	99	21.74	21.97	21.77	21.72	
20	QPSK	50	0	21.96	22.18	22.01	21.73	22.4
20	QPSK	50	24	21.89	22.11	21.93	21.72	
20	QPSK	50	50	21.82	22.05	21.85	21.72	
20	QPSK	100	0	21.89	22.11	21.92	21.75	22.4
20	16QAM	1	0	21.92	22.31	22.05	21.61	
20	16QAM	1	49	22.11	22.24	22.10	21.63	
20	16QAM	1	99	21.79	21.97	21.73	21.29	22.4
20	16QAM	50	0	21.55	21.76	21.58	21.11	
20	16QAM	50	24	21.47	21.69	21.51	21.01	
20	16QAM	50	50	21.39	21.62	21.40	20.93	22.4
20	16QAM	100	0	21.47	21.68	21.48	21.03	
20	64QAM	1	0	21.40	21.71	21.36	20.95	
20	64QAM	1	49	21.31	21.56	21.32	20.88	22.4
20	64QAM	1	99	21.08	21.38	21.13	20.68	
20	64QAM	50	0	20.55	20.78	20.59	20.12	22.2
20	64QAM	50	24	20.48	20.71	20.51	20.04	
20	64QAM	50	50	20.39	20.62	20.41	19.93	
20	64QAM	100	0	20.44	20.67	20.46	19.98	20.2
20	256QAM	1	0	18.11	18.20	18.23	18.28	
20	256QAM	1	49	18.06	18.15	18.15	18.09	
20	256QAM	1	99	18.00	18.11	18.15	18.15	20.2
20	256QAM	50	0	18.34	18.49	18.40	18.45	
20	256QAM	50	24	18.34	18.34	18.49	18.48	
20	256QAM	50	50	18.30	18.36	18.38	18.37	20.2
20	256QAM	100	0	18.25	18.35	18.41	18.35	
Channel				55315	55820	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3642	3692.5	
15	QPSK	1	0	21.94	22.21	22.02	21.67	22.4
15	QPSK	1	37	21.73	21.90	21.78	21.65	
15	QPSK	1	74	21.69	21.93	21.76	21.71	
15	QPSK	36	0	21.88	22.08	21.92	21.71	22.4
15	QPSK	36	20	21.89	22.08	21.91	21.72	
15	QPSK	36	39	21.75	21.95	21.78	21.66	
15	QPSK	75	0	21.88	22.11	21.91	21.75	22.4
15	16QAM	1	0	21.86	22.27	22.02	21.58	
15	16QAM	1	37	22.03	22.23	22.05	21.61	
15	16QAM	1	74	21.70	21.97	21.67	21.29	22.4
15	16QAM	36	0	21.53	21.75	21.58	21.11	
15	16QAM	36	20	21.39	21.68	21.41	20.95	
15	16QAM	36	39	21.38	21.53	21.38	20.84	22.4
15	16QAM	75	0	21.43	21.60	21.42	20.98	
15	64QAM	1	0	21.39	21.66	21.26	20.85	
15	64QAM	1	37	21.26	21.49	21.29	20.87	22.4
15	64QAM	1	74	21.07	21.29	21.10	20.65	
15	64QAM	36	0	20.46	20.74	20.56	20.03	
15	64QAM	36	20	20.45	20.67	20.47	20.00	22.2
15	64QAM	36	39	20.35	20.57	20.40	19.91	
15	64QAM	75	0	20.44	20.63	20.37	19.90	
15	256QAM	1	0	18.06	18.14	18.18	18.28	20.2
15	256QAM	1	37	17.99	18.13	18.06	18.07	
15	256QAM	1	74	17.93	18.08	18.15	18.05	
15	256QAM	36	0	18.25	18.41	18.32	18.40	20.2
15	256QAM	36	20	18.30	18.25	18.41	18.44	
15	256QAM	36	39	18.26	18.31	18.35	18.34	
15	256QAM	75	0	18.22	18.35	18.39	18.32	



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Channel				55290	55815	56165	56690	Tune-up limit
Frequency (MHz)				3555	3607.5	3642.5	3695	(dBm)
10	QPSK	1	0	21.96	22.26	22.08	21.73	22.4
10	QPSK	1	25	21.75	21.97	21.78	21.70	
10	QPSK	1	49	21.72	21.97	21.73	21.65	
10	QPSK	25	0	21.96	22.10	21.95	21.66	22.4
10	QPSK	25	12	21.83	22.06	21.91	21.69	
10	QPSK	25	25	21.81	22.00	21.81	21.63	
10	QPSK	50	0	21.83	22.06	21.88	21.74	22.4
10	16QAM	1	0	21.83	22.26	22.03	21.51	
10	16QAM	1	25	22.03	22.19	22.02	21.63	
10	16QAM	1	49	21.76	21.97	21.66	21.26	22.4
10	16QAM	25	0	21.45	21.75	21.56	21.11	
10	16QAM	25	12	21.45	21.68	21.51	20.97	
10	16QAM	25	25	21.30	21.57	21.30	20.83	22.4
10	16QAM	50	0	21.38	21.62	21.47	21.00	
10	64QAM	1	0	21.33	21.68	21.29	20.91	
10	64QAM	1	25	21.22	21.49	21.30	20.80	22.4
10	64QAM	1	49	21.05	21.32	21.13	20.65	
10	64QAM	25	0	20.55	20.78	20.54	20.11	
10	64QAM	25	12	20.46	20.61	20.45	19.96	22.2
10	64QAM	25	25	20.30	20.62	20.38	19.89	
10	64QAM	50	0	20.43	20.67	20.37	19.93	
10	256QAM	1	0	18.06	18.11	18.17	18.20	20.2
10	256QAM	1	25	18.03	18.15	18.11	18.02	
10	256QAM	1	49	17.97	18.06	18.14	18.11	
10	256QAM	25	0	18.31	18.41	18.30	18.43	20.2
10	256QAM	25	12	18.28	18.27	18.43	18.42	
10	256QAM	25	25	18.25	18.28	18.38	18.34	
10	256QAM	50	0	18.22	18.31	18.39	18.27	
Channel				55265	55810	56170	56715	Tune-up limit
Frequency (MHz)				3552.5	3607	3643	3697.5	(dBm)
5	QPSK	1	0	21.98	22.24	22.07	21.71	22.4
5	QPSK	1	12	21.72	21.98	21.78	21.71	
5	QPSK	1	24	21.65	21.92	21.73	21.62	
5	QPSK	12	0	21.95	22.15	21.93	21.64	22.4
5	QPSK	12	7	21.79	22.10	21.86	21.71	
5	QPSK	12	13	21.76	22.05	21.78	21.67	
5	QPSK	25	0	21.86	22.05	21.86	21.74	22.4
5	16QAM	1	0	21.86	22.24	21.97	21.61	
5	16QAM	1	12	22.07	22.15	22.07	21.61	
5	16QAM	1	24	21.70	21.97	21.66	21.66	22.4
5	16QAM	12	0	21.49	21.73	21.55	21.09	
5	16QAM	12	7	21.47	21.69	21.47	20.92	
5	16QAM	12	13	21.36	21.57	21.35	20.93	22.4
5	16QAM	25	0	21.41	21.66	21.39	21.01	
5	64QAM	1	0	21.40	21.64	21.34	20.94	
5	64QAM	1	12	21.30	21.46	21.30	20.85	22.4
5	64QAM	1	24	21.01	21.37	21.13	20.62	
5	64QAM	12	0	20.51	20.71	20.57	20.06	
5	64QAM	12	7	20.40	20.68	20.50	20.02	22.2
5	64QAM	12	13	20.29	20.53	20.36	19.86	
5	64QAM	25	0	20.35	20.58	20.42	19.94	
5	256QAM	1	0	18.08	18.10	18.21	18.22	20.2
5	256QAM	1	12	18.04	18.09	18.15	18.02	
5	256QAM	1	24	17.93	18.03	18.09	18.06	
5	256QAM	12	0	18.31	18.40	18.33	18.40	20.2
5	256QAM	12	7	18.24	18.25	18.42	18.40	
5	256QAM	12	13	18.23	18.35	18.34	18.31	
5	256QAM	25	0	18.25	18.34	18.32	18.25	

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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	23.6
Frequency (MHz)				3560	3609	3641	3690	
20	QPSK	1	0	22.01	22.28	22.09	21.75	23.6
20	QPSK	1	49	21.75	22.00	21.87	21.72	
20	QPSK	1	99	21.74	21.97	21.77	21.72	
20	QPSK	50	0	21.96	22.18	22.01	21.73	23.6
20	QPSK	50	24	21.89	22.11	21.93	21.72	
20	QPSK	50	50	21.82	22.05	21.85	21.72	
20	QPSK	100	0	21.89	22.11	21.92	21.75	23.6
20	16QAM	1	0	21.92	22.31	22.05	21.61	
20	16QAM	1	49	22.11	22.24	22.10	21.63	
20	16QAM	1	99	21.79	21.97	21.73	21.29	23.2
20	16QAM	50	0	21.55	21.76	21.58	21.11	
20	16QAM	50	24	21.47	21.69	21.51	21.01	
20	16QAM	50	50	21.39	21.62	21.40	20.93	23.2
20	16QAM	100	0	21.47	21.68	21.48	21.03	
20	64QAM	1	0	21.40	21.71	21.36	20.95	
20	64QAM	1	49	21.31	21.56	21.32	20.88	22.2
20	64QAM	1	99	21.08	21.38	21.13	20.68	
20	64QAM	50	0	20.55	20.78	20.59	20.12	
20	64QAM	50	24	20.48	20.71	20.51	20.04	20.2
20	64QAM	50	50	20.39	20.62	20.41	19.93	
20	64QAM	100	0	20.44	20.67	20.46	19.98	
20	256QAM	1	0	18.11	18.20	18.23	18.28	20.2
20	256QAM	1	49	18.06	18.15	18.15	18.09	
20	256QAM	1	99	18.00	18.11	18.15	18.15	
20	256QAM	50	0	18.34	18.49	18.40	18.45	20.2
20	256QAM	50	24	18.34	18.34	18.49	18.48	
20	256QAM	50	50	18.30	18.36	18.38	18.37	
20	256QAM	100	0	18.25	18.35	18.41	18.35	Tune-up limit (dBm)
Channel				55315	55820	56160	56665	
Frequency (MHz)				3557.5	3608	3642	3692.5	23.6
15	QPSK	1	0	21.94	22.21	22.02	21.67	
15	QPSK	1	37	21.73	21.90	21.78	21.65	23.6
15	QPSK	1	74	21.69	21.93	21.76	21.71	
15	QPSK	36	0	21.88	22.08	21.92	21.71	
15	QPSK	36	20	21.89	22.08	21.91	21.72	23.6
15	QPSK	36	39	21.75	21.95	21.78	21.66	
15	QPSK	75	0	21.88	22.11	21.91	21.75	
15	16QAM	1	0	21.86	22.27	22.02	21.58	23.6
15	16QAM	1	37	22.03	22.23	22.05	21.61	
15	16QAM	1	74	21.70	21.97	21.67	21.29	
15	16QAM	36	0	21.53	21.75	21.58	21.11	23.2
15	16QAM	36	20	21.39	21.68	21.41	20.95	
15	16QAM	36	39	21.38	21.53	21.38	20.84	
15	16QAM	75	0	21.43	21.60	21.42	20.98	23.2
15	64QAM	1	0	21.39	21.66	21.26	20.85	
15	64QAM	1	37	21.26	21.49	21.29	20.87	
15	64QAM	1	74	21.07	21.29	21.10	20.65	22.2
15	64QAM	36	0	20.46	20.74	20.56	20.03	
15	64QAM	36	20	20.45	20.67	20.47	20.00	
15	64QAM	36	39	20.35	20.57	20.40	19.91	20.2
15	64QAM	75	0	20.44	20.63	20.37	19.90	
15	256QAM	1	0	18.06	18.14	18.18	18.28	
15	256QAM	1	37	17.99	18.13	18.06	18.07	20.2
15	256QAM	1	74	17.93	18.08	18.15	18.05	
15	256QAM	36	0	18.25	18.41	18.32	18.40	
15	256QAM	36	20	18.30	18.25	18.41	18.44	20.2
15	256QAM	36	39	18.26	18.31	18.35	18.34	
15	256QAM	75	0	18.22	18.35	18.39	18.32	
Channel				55290	55815	56165	56690	Tune-up limit



FCC SAR TEST REPORT

Report No. : FA2D0208-01F

Frequency (MHz)				3555	3607.5	3642.5	3695	(dBm)
10	QPSK	1	0	21.96	22.26	22.08	21.73	23.6
10	QPSK	1	25	21.75	21.97	21.78	21.70	
10	QPSK	1	49	21.72	21.97	21.73	21.65	
10	QPSK	25	0	21.96	22.10	21.95	21.66	23.6
10	QPSK	25	12	21.83	22.06	21.91	21.69	
10	QPSK	25	25	21.81	22.00	21.81	21.63	
10	QPSK	50	0	21.83	22.06	21.88	21.74	23.6
10	16QAM	1	0	21.83	22.26	22.03	21.51	
10	16QAM	1	25	22.03	22.19	22.02	21.63	
10	16QAM	1	49	21.76	21.97	21.66	21.26	23.2
10	16QAM	25	0	21.45	21.75	21.56	21.11	
10	16QAM	25	12	21.45	21.68	21.51	20.97	
10	16QAM	25	25	21.30	21.57	21.30	20.83	23.2
10	16QAM	50	0	21.38	21.62	21.47	21.00	
10	64QAM	1	0	21.33	21.68	21.29	20.91	
10	64QAM	1	25	21.22	21.49	21.30	20.80	22.2
10	64QAM	1	49	21.05	21.32	21.13	20.65	
10	64QAM	25	0	20.55	20.78	20.54	20.11	
10	64QAM	25	12	20.46	20.61	20.45	19.96	20.2
10	64QAM	25	25	20.30	20.62	20.38	19.89	
10	64QAM	50	0	20.43	20.67	20.37	19.93	
10	256QAM	1	0	18.06	18.11	18.17	18.20	20.2
10	256QAM	1	25	18.03	18.15	18.11	18.02	
10	256QAM	1	49	17.97	18.06	18.14	18.11	
10	256QAM	25	0	18.31	18.41	18.30	18.43	20.2
10	256QAM	25	12	18.28	18.27	18.43	18.42	
10	256QAM	25	25	18.25	18.28	18.38	18.34	
10	256QAM	50	0	18.22	18.31	18.39	18.27	
Channel				55265	55810	56170	56715	Tune-up limit
Frequency (MHz)				3552.5	3607	3643	3697.5	(dBm)
5	QPSK	1	0	21.98	22.24	22.07	21.71	23.6
5	QPSK	1	12	21.72	21.98	21.78	21.71	
5	QPSK	1	24	21.65	21.92	21.73	21.62	
5	QPSK	12	0	21.95	22.15	21.93	21.64	23.6
5	QPSK	12	7	21.79	22.10	21.86	21.71	
5	QPSK	12	13	21.76	22.05	21.78	21.67	
5	QPSK	25	0	21.86	22.05	21.86	21.74	23.6
5	16QAM	1	0	21.86	22.24	21.97	21.61	
5	16QAM	1	12	22.07	22.15	22.07	21.61	
5	16QAM	1	24	21.70	21.97	21.66	21.66	23.2
5	16QAM	12	0	21.49	21.73	21.55	21.09	
5	16QAM	12	7	21.47	21.69	21.47	20.92	
5	16QAM	12	13	21.36	21.57	21.35	20.93	23.2
5	16QAM	25	0	21.41	21.66	21.39	21.01	
5	64QAM	1	0	21.40	21.64	21.34	20.94	
5	64QAM	1	12	21.30	21.46	21.30	20.85	22.2
5	64QAM	1	24	21.01	21.37	21.13	20.62	
5	64QAM	12	0	20.51	20.71	20.57	20.06	
5	64QAM	12	7	20.40	20.68	20.50	20.02	20.2
5	64QAM	12	13	20.29	20.53	20.36	19.86	
5	64QAM	25	0	20.35	20.58	20.42	19.94	
5	256QAM	1	0	18.08	18.10	18.21	18.22	20.2
5	256QAM	1	12	18.04	18.09	18.15	18.02	
5	256QAM	1	24	17.93	18.03	18.09	18.06	
5	256QAM	12	0	18.31	18.40	18.33	18.40	20.2
5	256QAM	12	7	18.24	18.25	18.42	18.40	
5	256QAM	12	13	18.23	18.35	18.34	18.31	
5	256QAM	25	0	18.25	18.34	18.32	18.25	



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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	22.01	22.28	22.09	21.75	22.9
20	QPSK	1	49	21.75	22.00	21.87	21.72	
20	QPSK	1	99	21.74	21.97	21.77	21.72	
20	QPSK	50	0	21.96	22.18	22.01	21.73	22.9
20	QPSK	50	24	21.89	22.11	21.93	21.72	
20	QPSK	50	50	21.82	22.05	21.85	21.72	
20	QPSK	100	0	21.89	22.11	21.92	21.75	22.9
20	16QAM	1	0	21.92	22.31	22.05	21.61	
20	16QAM	1	49	22.11	22.24	22.10	21.63	
20	16QAM	1	99	21.79	21.97	21.73	21.29	22.9
20	16QAM	50	0	21.55	21.76	21.58	21.11	
20	16QAM	50	24	21.47	21.69	21.51	21.01	
20	16QAM	50	50	21.39	21.62	21.40	20.93	22.9
20	16QAM	100	0	21.47	21.68	21.48	21.03	
20	64QAM	1	0	21.40	21.71	21.36	20.95	
20	64QAM	1	49	21.31	21.56	21.32	20.88	22.2
20	64QAM	1	99	21.08	21.38	21.13	20.68	
20	64QAM	50	0	20.55	20.78	20.59	20.12	
20	64QAM	50	24	20.48	20.71	20.51	20.04	20.2
20	64QAM	50	50	20.39	20.62	20.41	19.93	
20	64QAM	100	0	20.44	20.67	20.46	19.98	
20	256QAM	1	0	18.11	18.20	18.23	18.28	20.2
20	256QAM	1	49	18.06	18.15	18.15	18.09	
20	256QAM	1	99	18.00	18.11	18.15	18.15	
20	256QAM	50	0	18.34	18.49	18.40	18.45	20.2
20	256QAM	50	24	18.34	18.34	18.49	18.48	
20	256QAM	50	50	18.30	18.36	18.38	18.37	
20	256QAM	100	0	18.25	18.35	18.41	18.35	
Channel				55315	55820	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3642	3692.5	
15	QPSK	1	0	21.94	22.21	22.02	21.67	22.9
15	QPSK	1	37	21.73	21.90	21.78	21.65	
15	QPSK	1	74	21.69	21.93	21.76	21.71	
15	QPSK	36	0	21.88	22.08	21.92	21.71	22.9
15	QPSK	36	20	21.89	22.08	21.91	21.72	
15	QPSK	36	39	21.75	21.95	21.78	21.66	
15	QPSK	75	0	21.88	22.11	21.91	21.75	22.9
15	16QAM	1	0	21.86	22.27	22.02	21.58	
15	16QAM	1	37	22.03	22.23	22.05	21.61	
15	16QAM	1	74	21.70	21.97	21.67	21.29	22.9
15	16QAM	36	0	21.53	21.75	21.58	21.11	
15	16QAM	36	20	21.39	21.68	21.41	20.95	
15	16QAM	36	39	21.38	21.53	21.38	20.84	22.9
15	16QAM	75	0	21.43	21.60	21.42	20.98	
15	64QAM	1	0	21.39	21.66	21.26	20.85	
15	64QAM	1	37	21.26	21.49	21.29	20.87	22.2
15	64QAM	1	74	21.07	21.29	21.10	20.65	
15	64QAM	36	0	20.46	20.74	20.56	20.03	
15	64QAM	36	20	20.45	20.67	20.47	20.00	20.2
15	64QAM	36	39	20.35	20.57	20.40	19.91	
15	64QAM	75	0	20.44	20.63	20.37	19.90	
15	256QAM	1	0	18.06	18.14	18.18	18.28	20.2
15	256QAM	1	37	17.99	18.13	18.06	18.07	
15	256QAM	1	74	17.93	18.08	18.15	18.05	
15	256QAM	36	0	18.25	18.41	18.32	18.40	20.2
15	256QAM	36	20	18.30	18.25	18.41	18.44	
15	256QAM	36	39	18.26	18.31	18.35	18.34	



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15	256QAM	75	0	18.22	18.35	18.39	18.32	
Channel				55290	55815	56165	56690	Tune-up limit
Frequency (MHz)				3555	3607.5	3642.5	3695	(dBm)
10	QPSK	1	0	21.96	22.26	22.08	21.73	22.9
10	QPSK	1	25	21.75	21.97	21.78	21.70	
10	QPSK	1	49	21.72	21.97	21.73	21.65	
10	QPSK	25	0	21.96	22.10	21.95	21.66	22.9
10	QPSK	25	12	21.83	22.06	21.91	21.69	
10	QPSK	25	25	21.81	22.00	21.81	21.63	
10	QPSK	50	0	21.83	22.06	21.88	21.74	22.9
10	16QAM	1	0	21.83	22.26	22.03	21.51	
10	16QAM	1	25	22.03	22.19	22.02	21.63	
10	16QAM	1	49	21.76	21.97	21.66	21.26	22.9
10	16QAM	25	0	21.45	21.75	21.56	21.11	
10	16QAM	25	12	21.45	21.68	21.51	20.97	
10	16QAM	25	25	21.30	21.57	21.30	20.83	22.9
10	16QAM	50	0	21.38	21.62	21.47	21.00	
10	64QAM	1	0	21.33	21.68	21.29	20.91	
10	64QAM	1	25	21.22	21.49	21.30	20.80	22.2
10	64QAM	1	49	21.05	21.32	21.13	20.65	
10	64QAM	25	0	20.55	20.78	20.54	20.11	
10	64QAM	25	12	20.46	20.61	20.45	19.96	20.2
10	64QAM	25	25	20.30	20.62	20.38	19.89	
10	64QAM	50	0	20.43	20.67	20.37	19.93	
10	256QAM	1	0	18.06	18.11	18.17	18.20	20.2
10	256QAM	1	25	18.03	18.15	18.11	18.02	
10	256QAM	1	49	17.97	18.06	18.14	18.11	
10	256QAM	25	0	18.31	18.41	18.30	18.43	20.2
10	256QAM	25	12	18.28	18.27	18.43	18.42	
10	256QAM	25	25	18.25	18.28	18.38	18.34	
10	256QAM	50	0	18.22	18.31	18.39	18.27	
Channel				55265	55810	56170	56715	Tune-up limit
Frequency (MHz)				3552.5	3607	3643	3697.5	(dBm)
5	QPSK	1	0	21.98	22.24	22.07	21.71	22.9
5	QPSK	1	12	21.72	21.98	21.78	21.71	
5	QPSK	1	24	21.65	21.92	21.73	21.62	
5	QPSK	12	0	21.95	22.15	21.93	21.64	22.9
5	QPSK	12	7	21.79	22.10	21.86	21.71	
5	QPSK	12	13	21.76	22.05	21.78	21.67	
5	QPSK	25	0	21.86	22.05	21.86	21.74	22.9
5	16QAM	1	0	21.86	22.24	21.97	21.61	
5	16QAM	1	12	22.07	22.15	22.07	21.61	
5	16QAM	1	24	21.70	21.97	21.66	21.66	22.9
5	16QAM	12	0	21.49	21.73	21.55	21.09	
5	16QAM	12	7	21.47	21.69	21.47	20.92	
5	16QAM	12	13	21.36	21.57	21.35	20.93	22.9
5	16QAM	25	0	21.41	21.66	21.39	21.01	
5	64QAM	1	0	21.40	21.64	21.34	20.94	
5	64QAM	1	12	21.30	21.46	21.30	20.85	22.2
5	64QAM	1	24	21.01	21.37	21.13	20.62	
5	64QAM	12	0	20.51	20.71	20.57	20.06	
5	64QAM	12	7	20.40	20.68	20.50	20.02	20.2
5	64QAM	12	13	20.29	20.53	20.36	19.86	
5	64QAM	25	0	20.35	20.58	20.42	19.94	
5	256QAM	1	0	18.08	18.10	18.21	18.22	20.2
5	256QAM	1	12	18.04	18.09	18.15	18.02	
5	256QAM	1	24	17.93	18.03	18.09	18.06	
5	256QAM	12	0	18.31	18.40	18.33	18.40	20.2
5	256QAM	12	7	18.24	18.25	18.42	18.40	
5	256QAM	12	13	18.23	18.35	18.34	18.31	
5	256QAM	25	0	18.25	18.34	18.32	18.25	