



1 Normal and Maximum Output Power

KDB 447498 D01 at the maximum rated output power and within the tune-up tolerance range specified for the product, but not more than 2 dB lower than the maximum tune-up tolerance limit.

1.1 GSM Mode

ANT 6

GSM 850 Full Power& Level2&Level3&Level5		Burst-Averaged output power(dBm)				Division Factors	Frame-Averaged output power(dBm)			
		Tune-up	Channel/Frenqucy(MHz)				Tune-up	Channel/Frenqucy(MHz)		
		MAX	128 /824.2	190 /836.6	251 /848.8		MAX	128 /824.2	190 /836.6	251 /848.8
GSM	CS	33.50	31.95	31.60	32.04	9.03	24.47	22.92	22.57	23.01
GPRS/ EGPRS (GMSK)	1 Tx Slot	33.50	32.63	32.36	32.64	9.03	24.47	23.60	23.33	23.61
	2 Tx Slots	30.50	30.25	30.36	30.16	6.02	24.48	24.23	24.34	24.14
	3 Tx Slots	28.50	28.30	28.24	28.14	4.26	24.24	24.04	23.98	23.88
	4 Tx Slots	27.50	27.11	27.49	27.10	3.01	24.49	24.10	24.48	24.09
EGPRS (8PSK)	1 Tx Slot	28.50	26.56	26.53	26.71	9.03	19.47	17.53	17.50	17.68
	2 Tx Slots	25.50	24.82	24.39	24.37	6.02	19.48	18.80	18.37	18.35
	3 Tx Slots	23.50	22.45	22.39	22.33	4.26	19.24	18.19	18.13	18.07
	4 Tx Slots	22.50	21.51	20.81	20.95	3.01	19.49	18.50	17.80	17.94
GSM 850 Level1&Level4		Burst-Averaged output power(dBm)				Division Factors	Frame-Averaged output power(dBm)			
		Tune-up	Channel/Frenqucy(MHz)				Tune-up	Channel/Frenqucy(MHz)		
		MAX	128 /824.2	190 /836.6	251 /848.8		MAX	128 /824.2	190 /836.6	251 /848.8
GSM	CS	32.00	31.31	31.08	31.12	9.03	22.97	22.28	22.05	22.09
GPRS/ EGPRS (GMSK)	1 Tx Slot	32.00	31.24	31.10	31.05	9.03	22.97	22.21	22.07	22.02
	2 Tx Slots	30.00	29.76	29.60	29.10	6.02	23.98	23.74	23.58	23.08
	3 Tx Slots	28.00	27.60	27.36	27.02	4.26	23.74	23.34	23.10	22.76
	4 Tx Slots	27.00	26.40	26.03	25.50	3.01	23.99	23.39	23.02	22.49
EGPRS (8PSK)	1 Tx Slot	27.00	26.83	26.40	26.80	9.03	17.97	17.80	17.37	17.77
	2 Tx Slots	25.00	24.50	24.70	24.12	6.02	18.98	18.48	18.68	18.10
	3 Tx Slots	23.00	22.83	22.53	22.18	4.26	18.74	18.57	18.27	17.92
	4 Tx Slots	22.00	21.78	20.82	20.86	3.01	18.99	18.77	17.81	17.85

Notes: The worst-case configuration and mode for SAR testing is determined to be as follows:

1. Standalone: GSM 850 GMSK (GPRS) mode with 4 time slots for Max power, based on the output power measurements above.



ANT 7

GSM 1900 Full Power&Level2& Level3&Level5&Level6-D 1&Level6-D2&Level7-D1		Burst-Averaged output power(dBm)				Division Factors	Frame-Averaged output power(dBm)			
		Tune-up	Channel/Frenqucy(MHz)				Tune-up	Channel/Frenqucy(MHz)		
		MAX	512 /1850.2	661 /1880	810 /1909.8		MAX	512 /1850.2	661 /1880	810 /1909.8
GSM	CS	30.50	30.13	29.92	30.19	9.03	21.47	21.10	20.89	21.16
GPRS/ EGPRS (GMSK)	1 Tx Slot	30.50	29.95	29.95	30.05	9.03	21.47	20.92	20.92	21.02
	2 Tx Slots	27.50	27.48	27.36	27.44	6.02	21.48	21.46	21.34	21.42
	3 Tx Slots	25.50	25.46	25.28	25.35	4.26	21.24	21.20	21.02	21.09
	4 Tx Slots	24.50	24.43	24.16	24.21	3.01	21.49	21.42	21.15	21.20
EGPRS (8PSK)	1 Tx Slot	27.50	25.83	25.64	25.78	9.03	18.47	16.80	16.61	16.75
	2 Tx Slots	24.50	24.05	24.03	24.06	6.02	18.48	18.03	18.01	18.04
	3 Tx Slots	22.50	22.07	21.73	22.32	4.26	18.24	17.81	17.47	18.06
	4 Tx Slots	21.50	20.37	20.20	21.43	3.01	18.49	17.36	17.19	18.42
GSM 1900 Full Level1		Burst-Averaged output power(dBm)				Division Factors	Frame-Averaged output power(dBm)			
		Tune-up	Channel/Frenqucy(MHz)				Tune-up	Channel/Frenqucy(MHz)		
		MAX	512 /1850.2	661 /1880	810 /1909.8		MAX	512 /1850.2	661 /1880	810 /1909.8
GSM	CS	25.50	24.85	24.58	24.50	9.03	16.47	15.82	15.55	15.47
GPRS/ EGPRS (GMSK)	1 Tx Slot	25.50	24.71	24.56	24.26	9.03	16.47	15.68	15.53	15.23
	2 Tx Slots	25.50	24.83	24.68	24.32	6.02	19.48	18.81	18.66	18.30
	3 Tx Slots	25.50	24.80	24.36	24.24	4.26	21.24	20.54	20.10	19.98
	4 Tx Slots	24.50	23.60	23.23	23.08	3.01	21.49	20.59	20.22	20.07
EGPRS (8PSK)	1 Tx Slot	25.50	25.12	25.09	25.04	9.03	16.47	16.09	16.06	16.01
	2 Tx Slots	24.00	23.52	23.38	23.42	6.02	17.98	17.50	17.36	17.40
	3 Tx Slots	22.00	21.11	20.99	20.95	4.26	17.74	16.85	16.73	16.69
	4 Tx Slots	21.00	19.95	19.86	19.81	3.01	17.99	16.94	16.85	16.80
GSM 1900 Full Level4		Burst-Averaged output power(dBm)				Division Factors	Frame-Averaged output power(dBm)			
		Tune-up	Channel/Frenqucy(MHz)				Tune-up	Channel/Frenqucy(MHz)		
		MAX	512 /1850.2	661 /1880	810 /1909.8		MAX	512 /1850.2	661 /1880	810 /1909.8
GSM	CS	24.00	22.09	22.30	22.50	9.03	14.97	13.06	13.27	13.47
GPRS/ EGPRS (GMSK)	1 Tx Slot	24.00	22.26	22.56	22.54	9.03	14.97	13.23	13.53	13.51
	2 Tx Slots	24.00	22.35	22.63	22.53	6.02	17.98	16.33	16.61	16.51
	3 Tx Slots	24.00	22.25	22.53	22.44	4.26	19.74	17.99	18.27	18.18
	4 Tx Slots	23.00	22.13	22.40	22.40	3.01	19.99	19.12	19.39	19.39
EGPRS (8PSK)	1 Tx Slot	24.00	22.97	23.08	23.00	9.03	14.97	13.94	14.05	13.97
	2 Tx Slots	22.50	21.41	21.50	21.33	6.02	16.48	15.39	15.48	15.31
	3 Tx Slots	20.50	19.65	19.48	19.55	4.26	16.24	15.39	15.22	15.29
	4 Tx Slots	19.50	18.41	18.29	18.34	3.01	16.49	15.40	15.28	15.33



Notes: The worst-case configuration and mode for SAR testing is determined to be as follows:

1. Standalone: GSM 1900 GMSK (GPRS) mode with 4 time slots for Max power, based on the output power measurements above..



1.2 WCDMA Mode

The following tests were completed according to the test requirements outlined in the 3GPP TS34.121 specification.

ANT 7

WCDMA		Band II(dBm) Full Power&Level2 &Level6-D1&Level6-D2				Band II(dBm) Level1				Band II(dBm) Level3			
Tx Channel		9262	9400	9538	Tune-up	9262	9400	9538	Tune-up	9262	9400	9538	Tune-up
Frequency(MHz)		1852.4	1880	1907.6	Limit	1852.4	1880	1907.6	Limit	1852.4	1880	1907.6	Limit
RMC	12.2kbps	23.37	23.36	23.30	24.50	18.13	18.09	18.10	18.50	20.03	20.10	20.01	21.50
AMR	12.2kbps	23.47	23.20	23.20	24.50	18.03	18.00	17.97	18.50	19.93	20.01	19.88	21.50
HSDPA	Sub 1	22.41	22.28	22.44	23.50	17.15	17.11	17.12	17.50	19.45	19.52	19.43	20.50
	Sub 2	22.49	22.32	22.38	23.50	17.14	17.10	17.11	17.50	19.44	19.51	19.42	20.50
	Sub 3	21.95	21.72	21.90	23.00	16.63	16.59	16.60	17.00	18.93	19.00	18.91	20.00
	Sub 4	21.93	21.94	21.72	23.00	16.62	16.58	16.59	17.00	18.92	18.99	18.90	20.00
HSUPA	Sub 1	22.43	22.24	22.32	23.50	16.11	16.07	16.08	17.50	19.01	19.08	18.99	20.50
	Sub 2	20.29	20.52	20.34	21.50	15.30	15.26	15.27	15.50	17.60	17.67	17.58	18.50
	Sub 3	21.25	21.28	21.18	22.50	16.28	16.25	16.26	16.50	18.58	18.66	18.57	19.50
	Sub 4	20.21	20.40	20.14	21.50	15.07	15.04	15.05	15.50	16.97	17.05	16.96	18.50
	Sub 5	22.51	22.34	22.34	23.50	16.66	16.63	16.64	17.50	18.56	18.64	18.55	20.50
DC-HS DPA	Sub 1	22.45	22.50	22.24	23.50	17.07	17.05	17.04	17.50	19.37	19.46	19.35	20.50
	Sub 2	22.03	21.84	21.94	23.00	16.66	16.64	16.63	17.00	19.36	19.45	19.34	20.00
	Sub 3	22.01	22.02	21.66	23.00	16.64	16.53	16.54	17.00	18.94	18.94	18.85	20.00
	Sub 4	21.71	21.80	21.64	23.00	16.63	16.52	16.53	17.00	18.93	18.93	18.84	20.00
WCDMA		Band II(dBm) Level4				Band II(dBm) Level5				Band II(dBm) Level7-D1			
Tx Channel		9262	9400	9538	Tune-up	9262	9400	9538	Tune-up	9262	9400	9538	Tune-up
Frequency(MHz)		1852.4	1880	1907.6	Limit	1852.4	1880	1907.6	Limit	1852.4	1880	1907.6	Limit
RMC	12.2kbps	15.36	15.61	15.32	16.50	18.30	18.41	18.26	20.00	21.34	21.40	21.31	23.00
AMR	12.2kbps	15.32	15.51	15.18	16.50	18.38	18.25	18.14	20.00	21.48	21.36	21.31	23.00
HSDPA	Sub 1	14.52	14.69	14.40	15.50	17.30	17.51	17.10	19.00	20.36	20.30	20.25	22.00
	Sub 2	14.32	14.77	14.16	15.50	17.44	17.33	17.40	19.00	20.20	20.34	20.35	22.00
	Sub 3	13.74	14.25	13.72	15.00	16.90	16.97	16.88	18.50	19.98	20.00	19.71	21.50
	Sub 4	13.82	14.07	13.76	15.00	16.96	16.93	16.80	18.50	19.92	19.78	19.71	21.50
HSUPA	Sub 1	14.52	14.57	14.16	15.50	17.20	17.43	17.20	19.00	20.30	20.56	20.43	22.00
	Sub 2	12.48	12.69	12.24	13.50	15.46	15.31	15.28	17.00	18.26	18.38	18.33	20.00
	Sub 3	13.44	13.75	13.22	14.50	16.32	16.51	16.32	18.00	19.24	19.56	19.35	21.00
	Sub 4	12.40	12.77	12.38	13.50	15.16	15.37	15.20	17.00	18.22	18.46	18.47	20.00
	Sub 5	14.20	14.77	14.40	15.50	17.20	17.53	17.26	19.00	20.18	20.36	20.31	22.00



DC-HS DPA	Sub 1	14.46	14.75	14.46	15.50	17.20	17.35	17.34	19.00	20.32	20.44	20.35	22.00
	Sub 2	14.02	13.99	13.94	15.00	16.66	16.79	16.80	18.50	19.96	19.78	19.97	21.50
	Sub 3	13.80	13.99	13.72	15.00	16.76	16.83	16.74	18.50	19.70	19.96	19.75	21.50
	Sub 4	13.96	14.17	13.70	15.00	16.68	17.01	16.68	18.50	19.88	20.02	19.69	21.50

Note: 1.Per KDB 941225 D01, SAR for each exposure is measured using a 12.2 kbps RMC with TPC bits configured to all "1's".

ANT 7

WCDMA		Band IV(dBm) Full Power&Level2& Level6-D1 &Level6-D2&Level7-D1				Band IV(dBm) Level1				Band IV(dBm) Level3			
Tx Channel		1312	1413	1513	Tune-up	1312	1413	1513	Tune-up	1312	1413	1513	Tune-up
Frequency(MHz)		1712.4	1732.6	1752.6	Limit	1712.4	1732.6	1752.6	Limit	1712.4	1732.6	1752.6	Limit
RMC	12.2kbps	23.41	23.53	23.46	24.50	19.14	19.21	19.20	20.50	21.69	21.75	21.67	23.00
AMR	12.2k	23.25	23.37	23.38	24.50	19.04	19.12	19.07	20.50	21.59	21.66	21.54	23.00
HSDPA	Sub 1	22.43	22.59	22.38	23.50	18.56	18.63	18.62	19.50	21.11	21.17	21.09	22.00
	Sub 2	22.31	22.41	22.62	23.50	18.55	18.62	18.61	19.50	21.10	21.16	21.08	22.00
	Sub 3	22.07	22.15	22.12	23.00	18.04	18.11	18.10	19.00	20.59	20.65	20.57	21.50
	Sub 4	22.01	22.09	22.00	23.00	18.03	18.10	18.09	19.00	20.58	20.64	20.56	21.50
HSUPA	Sub 1	22.45	22.49	22.46	23.50	18.12	18.19	18.18	19.50	20.67	20.73	20.65	22.00
	Sub 2	20.57	20.43	20.62	21.50	16.71	16.78	16.77	17.50	19.26	19.32	19.24	20.00
	Sub 3	21.29	21.65	21.60	22.50	17.69	17.77	17.76	18.50	20.24	20.31	20.23	21.00
	Sub 4	20.25	20.55	20.42	21.50	16.08	16.16	16.15	17.50	18.63	18.70	18.62	20.00
	Sub 5	22.31	22.41	22.42	23.50	17.67	17.75	17.74	19.50	20.22	20.29	20.21	22.00
DC-HS DPA	Sub 1	22.35	22.39	22.30	23.50	18.48	18.57	18.54	19.50	21.03	21.11	21.01	22.00
	Sub 2	22.07	22.17	22.08	23.00	18.47	18.56	18.53	19.00	21.02	21.10	21.00	21.50
	Sub 3	21.87	21.99	21.96	23.00	18.05	18.05	18.04	19.00	20.60	20.59	20.51	21.50
	Sub 4	21.79	22.19	21.80	23.00	18.04	18.04	18.03	19.00	20.59	20.58	20.50	21.50

Note: 1.Per KDB 941225 D01, SAR for each exposure is measured using a 12.2 kbps RMC with TPC bits configured to all "1's".

WCDMA		Band IV(dBm) Level4				Band IV(dBm) Level5			
Tx Channel		1312	1413	1513	Tune-up	1312	1413	1513	Tune-up
Frequency(MHz)		1712.4	1732.6	1752.6	Limit	1712.4	1732.6	1752.6	Limit
RMC	12.2kbps	18.12	18.26	18.18	19.00	20.12	20.21	20.17	21.50
AMR	12.2k	17.96	18.21	18.08	19.00	20.02	20.17	20.17	21.50
HSDPA	Sub 1	17.28	17.15	17.30	18.00	19.24	19.23	19.27	20.50
	Sub 2	16.96	17.27	17.12	18.00	18.96	19.21	19.31	20.50



	Sub 3	16.60	16.77	16.54	17.50	18.54	18.75	18.65	20.00
	Sub 4	16.56	16.57	16.60	17.50	18.46	18.65	18.63	20.00
HSUPA	Sub 1	17.14	17.19	17.16	18.00	19.08	19.33	19.17	20.50
	Sub 2	15.22	15.23	15.16	16.00	17.02	17.33	17.25	18.50
	Sub 3	16.22	16.07	16.10	17.00	18.26	18.19	18.09	19.50
	Sub 4	15.00	15.07	15.16	16.00	17.10	17.33	17.21	18.50
	Sub 5	17.02	17.19	17.04	18.00	19.10	19.31	19.15	20.50
DC-HSDPA	Sub 1	17.08	16.99	17.26	18.00	19.00	19.37	19.21	20.50
	Sub 2	16.68	16.73	16.74	17.50	18.60	18.55	18.57	20.00
	Sub 3	16.46	16.57	16.52	17.50	18.70	18.73	18.79	20.00
	Sub 4	16.70	16.59	16.74	17.50	18.66	18.81	18.81	20.00
Note: 1.Per KDB 941225 D01, SAR for each exposure is measured using a 12.2 kbps RMC with TPC bits configured to all "1's".									

ANT 6

WCDMA		Band V(dBm) Full Power&Level2& Level3&Level5				Band V(dBm) Level1&Level4			
Tx Channel		4132	4183	4233	Tune-up Limit	4132	4183	4233	Tune-up Limit
Frequency(MHz)		826.4	836.6	846.6		826.4	836.6	846.6	
RMC	12.2kbps	23.52	23.49	23.42	24.50	21.15	21.17	21.15	22.50
AMR	12.2k	23.56	23.65	23.40	24.50	21.05	21.08	21.02	22.50
HSDPA	Sub 1	22.44	22.33	22.48	23.50	20.57	20.59	20.57	21.50
	Sub 2	22.48	22.35	22.56	23.50	20.56	20.58	20.56	21.50
	Sub 3	21.90	21.95	21.84	23.00	20.05	20.07	20.05	21.00
	Sub 4	21.94	22.11	21.92	23.00	20.04	20.06	20.04	21.00
HSUPA	Sub 1	22.66	22.37	22.46	23.50	20.13	20.15	20.13	21.50
	Sub 2	20.64	20.59	20.46	21.50	18.72	18.74	18.72	19.50
	Sub 3	21.58	21.45	21.30	22.50	19.70	19.73	19.71	20.50
	Sub 4	20.68	20.33	20.40	21.50	18.09	18.12	18.10	19.50
	Sub 5	22.58	22.49	22.50	23.50	19.68	19.71	19.69	21.50
DC-HSDPA	Sub 1	22.44	22.63	22.40	23.50	20.49	20.53	20.49	21.50
	Sub 2	21.90	22.15	21.80	23.00	20.48	20.52	20.48	21.00
	Sub 3	22.12	21.91	21.96	23.00	20.06	20.01	19.99	21.00
	Sub 4	22.14	22.09	21.84	23.00	20.05	20.00	19.98	21.00
Note: 1.Per KDB 941225 D01, SAR for each exposure is measured using a 12.2 kbps RMC with TPC bits configured to all "1's".									

1.3 LTE Mode

UE Power Class: 3 (23 +/- 2dBm). The allowed Maximum Power Reduction (MPR) for the maximum output power due to higher order modulation and transmit bandwidth configuration (resource blocks) is specified in Table 6.2.3-1 of the 3GPP TS36.101.

Table 6.2.3-1: Maximum Power Reduction (MPR) for Power Class 3

Modulation	Channel bandwidth / Transmission bandwidth (N _{RB})						MPR (dB)
	1.4 MHz	3.0 MHz	5 MHz	10 MHz	15 MHz	20 MHz	
QPSK	> 5	> 4	> 8	> 12	> 16	> 18	≤ 1
16 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 1
16 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 2
64 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 2
64 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 3

Ant 7

LTE FDD Band 2 Full Power&Level2&Level6-D2				Conducted Power(dBm)			Tune-up Limit
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			
				18607/1850.7	18900/1880	19193/1909.3	
1.4MHz	QPSK	1	0	22.92	22.94	22.79	24.70
		1	2	22.91	22.92	22.95	24.70
		1	5	22.96	22.87	22.93	24.70
		3	0	22.98	22.82	22.85	24.70
		3	2	22.89	22.87	22.81	24.70
		3	3	22.95	22.76	22.84	24.70
		6	0	21.97	21.87	21.98	23.70
	16QAM	1	0	22.15	21.84	21.90	23.70
		1	2	22.13	22.11	22.16	23.70
		1	5	21.99	21.93	22.05	23.70
		3	0	22.00	21.90	22.04	23.70
		3	2	21.90	21.85	21.94	23.70
		3	3	21.93	21.90	21.95	23.70
		6	0	20.99	20.98	21.05	22.70
	64QAM	1	0	21.65	21.44	21.25	22.70
		1	2	21.24	21.30	21.36	22.70
		1	5	21.35	21.38	21.32	22.70
		3	0	21.13	21.10	21.15	22.70
		3	2	21.16	21.08	21.12	22.70
		3	3	21.06	21.09	21.16	22.70
		6	0	20.21	20.29	20.26	21.70
	256QAM	1	0	18.15	18.20	18.22	19.70
		1	2	18.39	18.38	18.36	19.70
		1	5	18.37	18.43	18.39	19.70



Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				18615/1851.5	18900/1880	19185/1908.5	
		3	0	18.15	18.14	18.17	19.70
		3	2	18.17	18.14	18.13	19.70
		3	3	18.02	18.06	18.05	19.70
		6	0	18.08	18.14	18.11	19.70
3MHz	QPSK	1	0	22.94	22.98	22.82	24.70
		1	7	22.89	22.95	22.99	24.70
		1	14	22.99	22.92	22.97	24.70
		8	0	22.08	21.94	21.98	23.70
		8	4	22.01	21.97	21.93	23.70
		8	7	22.05	21.87	21.94	23.70
		15	0	21.97	21.91	22.01	23.70
	16QAM	1	0	22.18	21.86	21.93	23.70
		1	7	22.16	22.11	22.20	23.70
		1	14	22.01	21.97	22.08	23.70
		8	0	21.11	21.03	21.16	22.70
		8	4	21.01	20.98	21.06	22.70
		8	7	21.03	21.02	21.08	22.70
		15	0	21.02	21.02	21.08	22.70
	64QAM	1	0	21.68	21.46	21.28	22.70
		1	7	21.27	21.30	21.38	22.70
		1	14	21.37	21.37	21.35	22.70
		8	0	21.24	20.23	21.25	21.70
		8	4	20.27	20.21	20.24	21.70
		8	7	20.16	20.21	20.29	21.70
		15	0	20.24	20.33	20.29	21.70
	256QAM	1	0	18.18	18.22	18.25	19.70
		1	7	18.42	18.38	18.38	19.70
		1	14	18.39	18.42	18.42	19.70
		8	0	18.26	18.27	18.29	19.70
		8	4	18.28	18.27	18.25	19.70
		8	7	18.12	18.18	18.12	19.70
		15	0	18.11	18.18	18.14	19.70
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				18625/1852.5	18900/1880	19175/1907.5	
5MHz	QPSK	1	0	22.91	22.96	22.78	24.70
		1	13	22.87	22.91	22.96	24.70
		1	24	22.96	22.87	22.93	24.70
		12	0	22.05	21.89	21.94	23.70
		12	6	21.99	21.93	21.88	23.70
		12	13	22.03	21.85	21.90	23.70
		25	0	21.97	21.90	21.99	23.70



	16QAM	1	0	22.15	21.82	21.90	23.70
		1	13	22.13	22.09	22.17	23.70
		1	24	21.98	21.95	22.04	23.70
		12	0	21.09	20.99	21.13	22.70
		12	6	20.98	20.93	21.02	22.70
		12	13	21.00	20.97	21.04	22.70
		25	0	21.00	20.98	21.03	22.70
	64QAM	1	0	21.65	21.46	21.25	22.70
		1	13	21.24	21.32	21.35	22.70
		1	24	21.38	21.35	21.31	22.70
		12	0	21.22	20.19	21.26	21.70
		12	6	20.24	20.16	20.20	21.70
		12	13	20.13	20.16	20.25	21.70
		25	0	20.22	20.29	20.24	21.70
	256QAM	1	0	18.15	18.22	18.22	19.70
		1	13	18.39	18.40	18.35	19.70
		1	24	18.40	18.40	18.38	19.70
		12	0	18.24	18.23	18.30	19.70
		12	6	18.25	18.22	18.21	19.70
		12	13	18.09	18.13	18.21	19.70
		25	0	18.09	18.14	18.09	19.70
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				18650/1855	18900/1880	19150/1905	
10MHz	QPSK	1	0	23.19	23.08	23.11	24.70
		1	25	23.18	22.99	23.07	24.70
		1	49	23.07	23.03	23.08	24.70
		25	0	22.22	22.15	22.10	23.70
		25	13	22.15	22.17	22.08	23.70
		25	25	22.12	22.23	22.14	23.70
		50	0	22.14	22.21	22.10	23.70
	16QAM	1	0	22.35	22.32	22.30	23.70
		1	25	22.30	22.31	22.27	23.70
		1	49	22.28	22.28	22.22	23.70
		25	0	21.20	21.22	21.17	22.70
		25	13	21.20	21.20	21.16	22.70
		25	25	21.22	21.23	21.20	22.70
		50	0	21.13	21.13	21.11	22.70
	64QAM	1	0	21.36	21.33	21.32	22.70
		1	25	21.08	21.06	21.12	22.70
		1	49	21.25	21.23	21.19	22.70
		25	0	21.20	21.14	21.17	21.70
		25	13	20.29	20.38	20.32	21.70
		25	25	20.46	20.43	20.53	21.70



Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				18675/1857.5	18900/1880	19125/1902.5	
	256QAM	50	0	20.45	20.41	20.42	21.70
		1	0	18.17	18.21	18.24	19.70
		1	25	18.42	18.40	18.38	19.70
		1	49	18.39	18.42	18.41	19.70
		25	0	18.27	18.28	18.30	19.70
		25	13	18.27	18.26	18.24	19.70
		25	25	18.12	18.18	18.11	19.70
		50	0	18.12	18.19	18.13	19.70
15MHz	QPSK	1	0	22.92	22.93	22.79	24.70
		1	38	22.88	22.95	22.97	24.70
		1	74	22.95	22.86	22.92	24.70
		36	0	22.06	21.90	21.95	23.70
		36	18	21.99	21.93	21.88	23.70
		36	39	22.02	21.86	21.91	23.70
		75	0	21.99	21.88	21.98	23.70
	16QAM	1	0	22.12	21.83	21.90	23.70
		1	38	22.14	22.10	22.18	23.70
		1	74	21.98	21.93	22.04	23.70
		36	0	21.09	21.02	21.14	22.70
		36	18	20.97	20.92	21.01	22.70
		36	39	21.01	20.98	21.05	22.70
		75	0	21.00	20.98	21.03	22.70
	64QAM	1	0	21.62	21.43	21.25	22.70
		1	38	21.25	21.29	21.36	22.70
		1	74	21.38	21.36	21.35	22.70
		36	0	21.24	20.26	21.27	21.70
		36	18	20.24	20.17	20.22	21.70
		36	39	20.14	20.17	20.26	21.70
		75	0	20.22	20.29	20.24	21.70
	256QAM	1	0	18.12	18.19	18.22	19.70
		1	38	18.40	18.37	18.36	19.70
		1	74	18.40	18.41	18.42	19.70
		36	0	18.26	18.30	18.31	19.70
		36	18	18.25	18.23	18.23	19.70
		36	39	18.10	18.14	18.05	19.70
		75	0	18.09	18.14	18.09	19.70
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				18700/1860	18900/1880	19100/1900	
20MHz	QPSK	1	0	22.89	22.89	22.76	24.70
		1	50	22.87	22.91	22.95	24.70
		1	99	22.93	22.85	22.89	24.70



		50	0	22.03	21.85	21.91	23.70
		50	25	21.97	21.89	21.85	23.70
		50	50	21.99	21.81	21.87	23.70
		100	0	21.96	21.83	21.94	23.70
	16QAM	1	0	21.83	21.79	21.85	23.70
		1	50	22.10	22.08	22.14	23.70
		1	99	21.96	21.90	22.02	23.70
		50	0	21.06	20.98	21.11	22.70
		50	25	20.94	20.90	20.98	22.70
		50	50	20.98	20.93	21.01	22.70
		100	0	20.98	20.94	21.00	22.70
	64QAM	1	0	21.60	21.39	21.20	22.70
		1	50	21.21	21.27	21.32	22.70
		1	99	21.32	21.30	21.29	22.70
		50	0	21.19	20.18	21.20	21.70
		50	25	20.20	20.13	20.16	21.70
		50	50	20.11	20.12	20.22	21.70
		100	0	20.20	20.25	20.21	21.70
	256QAM	1	0	18.10	18.15	18.17	19.70
		1	50	18.36	18.35	18.32	19.70
		1	99	18.34	18.35	18.36	19.70
		50	0	18.21	18.22	18.24	19.70
		50	25	18.21	18.19	18.17	19.70
		50	50	18.07	18.09	18.01	19.70
		100	0	18.07	18.10	18.06	19.70

LTE FDD Band 2 Level 1				Conducted Power(dBm)			Tune-up Limit
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			
				18607/1850.7	18900/1880	19193/1909.3	
1.4MHz	QPSK	1	0	17.76	17.56	17.47	19.00
		1	2	17.81	17.59	17.51	19.00
		1	5	17.52	17.49	17.62	19.00
		3	0	17.83	17.66	17.66	19.00
		3	2	17.75	17.49	17.61	19.00
		3	3	17.57	17.59	17.58	19.00
		6	0	17.62	17.63	17.67	19.00
	16QAM	1	0	17.87	17.88	17.86	19.00
		1	2	17.84	17.89	17.25	19.00
		1	5	17.70	17.72	17.67	19.00
		3	0	17.61	17.67	17.63	19.00
		3	2	17.57	17.57	17.57	19.00
		3	3	17.56	17.60	17.55	19.00



Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				18615/1851.5	18900/1880	19185/1908.5	
	64QAM	6	0	17.55	17.59	17.57	19.00
		1	0	17.96	17.99	18.04	19.00
		1	2	17.96	17.92	17.94	19.00
		1	5	17.86	17.87	17.85	19.00
		3	0	17.66	17.64	17.68	19.00
		3	2	17.62	17.62	17.68	19.00
		3	3	17.64	17.62	17.57	19.00
		6	0	17.68	17.64	17.64	19.00
	256QAM	1	0	17.42	17.46	17.47	19.00
		1	2	17.67	17.68	17.65	19.00
		1	5	17.36	17.39	17.44	19.00
		3	0	17.69	17.68	17.68	19.00
		3	2	17.56	17.51	17.57	19.00
		3	3	17.62	17.60	17.63	19.00
6	0	17.55	17.56	17.59	19.00		
3MHz	QPSK	1	0	17.78	17.60	17.50	19.00
		1	7	17.81	17.61	17.55	19.00
		1	14	17.55	17.54	17.66	19.00
		8	0	17.87	17.73	17.73	19.00
		8	4	17.78	17.57	17.67	19.00
		8	7	17.61	17.64	17.62	19.00
		15	0	17.64	17.67	17.70	19.00
	16QAM	1	0	17.90	17.90	17.89	19.00
		1	7	17.87	17.91	17.29	19.00
		1	14	17.72	17.76	17.70	19.00
		8	0	17.66	17.71	17.66	19.00
		8	4	17.62	17.64	17.63	19.00
		8	7	17.60	17.66	17.62	19.00
		15	0	17.58	17.63	17.60	19.00
	64QAM	1	0	17.99	18.01	18.07	19.00
		1	7	17.99	17.94	17.98	19.00
		1	14	17.88	17.91	17.88	19.00
		8	0	17.71	17.68	17.71	19.00
		8	4	17.67	17.69	17.74	19.00
		8	7	17.68	17.68	17.64	19.00
		15	0	17.70	17.70	17.69	19.00
	256QAM	1	0	17.44	17.50	17.50	19.00
		1	7	17.67	17.70	17.69	19.00
		1	14	17.39	17.44	17.48	19.00
		8	0	17.73	17.75	17.75	19.00
		8	4	17.59	17.59	17.63	19.00



Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				18625/1852.5	18900/1880	19175/1907.5	
		8	7	17.66	17.65	17.67	19.00
		15	0	17.57	17.60	17.62	19.00
5MHz	QPSK	1	0	17.75	17.58	17.46	19.00
		1	13	17.79	17.57	17.52	19.00
		1	24	17.52	17.49	17.62	19.00
		12	0	17.84	17.68	17.69	19.00
		12	6	17.76	17.53	17.62	19.00
		12	13	17.59	17.62	17.58	19.00
		25	0	17.62	17.66	17.68	19.00
	16QAM	1	0	17.87	17.86	17.86	19.00
		1	13	17.84	17.89	17.26	19.00
		1	24	17.69	17.74	17.66	19.00
		12	0	17.64	17.67	17.63	19.00
		12	6	17.59	17.59	17.59	19.00
		12	13	17.57	17.61	17.58	19.00
		25	0	17.56	17.59	17.55	19.00
	64QAM	1	0	17.96	17.97	18.04	19.00
		1	13	17.96	17.92	17.95	19.00
		1	24	17.85	17.89	17.84	19.00
		12	0	17.69	17.64	17.68	19.00
		12	6	17.64	17.64	17.70	19.00
		12	13	17.65	17.63	17.60	19.00
		25	0	17.68	17.66	17.64	19.00
	256QAM	1	0	17.41	17.48	17.46	19.00
		1	13	17.65	17.66	17.66	19.00
		1	24	17.36	17.39	17.44	19.00
		12	0	17.70	17.70	17.71	19.00
		12	6	17.57	17.55	17.58	19.00
		12	13	17.64	17.63	17.63	19.00
		25	0	17.55	17.59	17.60	19.00
		18650/1855	18900/1880	19150/1905			
		Tune-up Limit					
10MHz	QPSK	1	0	17.76	17.57	17.48	19.00
		1	25	17.80	17.61	17.54	19.00
		1	49	17.53	17.51	17.64	19.00
		25	0	17.85	17.72	17.71	19.00
		25	13	17.78	17.56	17.65	19.00
		25	25	17.59	17.62	17.62	19.00
		50	0	17.62	17.67	17.69	19.00
	16QAM	1	0	17.86	17.84	17.86	19.00
		1	25	17.86	17.92	17.24	19.00



		1	49	17.70	17.72	17.68	19.00	
		25	0	17.62	17.71	17.64	19.00	
		25	13	17.58	17.58	17.60	19.00	
		25	25	17.59	17.65	17.57	19.00	
		50	0	17.55	17.61	17.55	19.00	
	64QAM	1	0	17.96	17.96	18.05	19.00	
		1	25	17.98	17.94	17.95	19.00	
		1	49	17.85	17.86	17.85	19.00	
		25	0	17.71	17.68	17.67	19.00	
		25	13	17.62	17.65	17.69	19.00	
		25	25	17.66	17.64	17.63	19.00	
		50	0	17.70	17.69	17.65	19.00	
	256QAM	1	0	17.42	17.47	17.48	19.00	
		1	25	17.66	17.70	17.68	19.00	
		1	49	17.37	17.41	17.46	19.00	
		25	0	17.71	17.74	17.73	19.00	
		25	13	17.59	17.58	17.61	19.00	
		25	25	17.64	17.63	17.67	19.00	
		50	0	17.55	17.60	17.61	19.00	
	Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
					18675/1857.5	18900/1880	19125/1902.5	
15MHz	QPSK	1	0	17.76	17.55	17.47	19.00	
		1	38	17.80	17.61	17.53	19.00	
		1	74	17.51	17.48	17.61	19.00	
		36	0	17.85	17.69	17.70	19.00	
		36	18	17.76	17.53	17.62	19.00	
		36	39	17.58	17.63	17.59	19.00	
		75	0	17.65	17.64	17.67	19.00	
	16QAM	1	0	17.84	17.87	17.86	19.00	
		1	38	17.85	17.90	17.27	19.00	
		1	74	17.69	17.72	17.66	19.00	
		36	0	17.64	17.70	17.64	19.00	
		36	18	17.58	17.58	17.58	19.00	
		36	39	17.58	17.62	17.59	19.00	
		75	0	17.56	17.59	17.55	19.00	
	64QAM	1	0	17.93	17.98	18.04	19.00	
		1	38	17.97	17.93	17.96	19.00	
		1	74	17.85	17.87	17.84	19.00	
		36	0	17.69	17.67	17.69	19.00	
		36	18	17.63	17.63	17.69	19.00	
		36	39	17.66	17.64	17.61	19.00	
		75	0	17.68	17.66	17.64	19.00	
256QAM	1	0	17.42	17.45	17.47	19.00		



Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				18700/1860	18900/1880	19100/1900	
		1	38	17.66	17.70	17.67	19.00
		1	74	17.35	17.38	17.43	19.00
		36	0	17.71	17.71	17.72	19.00
		36	18	17.57	17.55	17.58	19.00
		36	39	17.63	17.64	17.64	19.00
		75	0	17.58	17.57	17.59	19.00
20MHz	QPSK	1	0	17.73	17.51	17.44	19.00
		1	50	17.79	17.57	17.51	19.00
		1	99	17.49	17.47	17.58	19.00
		50	0	17.82	17.64	17.66	19.00
		50	25	17.74	17.49	17.59	19.00
		50	50	17.55	17.58	17.55	19.00
		100	0	17.62	17.59	17.63	19.00
	16QAM	1	0	17.82	17.83	17.81	19.00
		1	50	17.81	17.88	17.23	19.00
		1	99	17.67	17.69	17.64	19.00
		50	0	17.61	17.66	17.61	19.00
		50	25	17.55	17.56	17.55	19.00
		50	50	17.55	17.57	17.55	19.00
		100	0	17.54	17.55	17.52	19.00
	64QAM	1	0	17.91	17.94	17.99	19.00
		1	50	17.93	17.91	17.92	19.00
		1	99	17.83	17.84	17.82	19.00
		50	0	17.66	17.63	17.66	19.00
		50	25	17.60	17.61	17.66	19.00
		50	50	17.63	17.59	17.57	19.00
		100	0	17.66	17.62	17.61	19.00
	256QAM	1	0	17.39	17.41	17.44	19.00
		1	50	17.65	17.66	17.65	19.00
		1	99	17.33	17.37	17.40	19.00
		50	0	17.68	17.66	17.68	19.00
		50	25	17.55	17.51	17.55	19.00
		50	50	17.60	17.59	17.60	19.00
		100	0	17.55	17.52	17.55	19.00

LTE FDD Band 2 Level4				Conducted Power(dBm)			Tune-up Limit
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			
				18607/1850.7	18900/1880	19193/1909.3	
1.4MHz	QPSK	1	0	15.41	15.33	15.37	17.00
		1	2	15.29	15.23	15.23	17.00



		1	5	15.37	15.24	15.36	17.00	
		3	0	15.47	15.39	15.37	17.00	
		3	2	15.46	15.44	15.30	17.00	
		3	3	15.43	15.34	15.32	17.00	
		6	0	15.46	15.32	15.40	17.00	
	16QAM	1	0	15.67	15.41	15.71	17.00	
		1	2	15.69	15.28	15.71	17.00	
		1	5	15.65	15.39	15.72	17.00	
		3	0	15.30	15.27	15.35	17.00	
		3	2	15.27	15.71	15.32	17.00	
		3	3	15.28	15.76	15.37	17.00	
		6	0	15.20	15.78	15.26	17.00	
	64QAM	1	0	15.96	15.47	15.52	17.00	
		1	2	15.97	15.86	15.92	17.00	
		1	5	16.08	15.93	15.94	17.00	
		3	0	15.96	16.03	16.05	17.00	
		3	2	16.03	15.91	15.95	17.00	
		3	3	16.05	15.98	15.98	17.00	
		6	0	16.17	16.05	16.07	17.00	
	256QAM	1	0	15.88	15.97	16.05	17.00	
		1	2	15.91	16.01	16.04	17.00	
		1	5	16.00	15.80	15.84	17.00	
		3	0	16.85	16.87	16.87	17.00	
		3	2	16.98	16.78	16.79	17.00	
		3	3	16.84	16.93	16.98	17.00	
		6	0	15.84	15.85	15.87	17.00	
	Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
					18615/1851.5	18900/1880	19185/1908.5	
3MHz	QPSK	1	0	15.37	15.28	15.33	17.00	
		1	7	15.29	15.20	15.22	17.00	
		1	14	15.34	15.22	15.32	17.00	
		8	0	15.44	15.34	15.33	17.00	
		8	4	15.45	15.41	15.26	17.00	
		8	7	15.40	15.31	15.29	17.00	
		15	0	15.47	15.28	15.38	17.00	
	16QAM	1	0	15.66	15.36	15.65	17.00	
		1	7	15.65	15.28	15.67	17.00	
		1	14	15.63	15.36	15.69	17.00	
		8	0	15.28	15.24	15.33	17.00	
		8	4	15.23	15.68	15.28	17.00	
		8	7	15.25	15.71	15.33	17.00	
		15	0	15.19	15.75	15.22	17.00	
	64QAM	1	0	15.93	15.42	15.46	17.00	



		1	7	15.93	15.86	15.88	17.00
		1	14	16.02	15.87	15.87	17.00
		8	0	15.92	15.96	15.99	17.00
		8	4	15.98	15.86	15.88	17.00
		8	7	16.02	15.93	15.94	17.00
		15	0	16.16	16.02	16.03	17.00
		15	0	16.16	16.02	16.03	17.00
	256QAM	1	0	15.90	16.01	16.08	17.00
		1	7	15.89	16.04	16.08	17.00
		1	14	16.03	15.85	15.88	17.00
		8	0	15.95	15.99	16.00	17.00
		8	4	16.10	15.88	15.91	17.00
		8	7	15.94	16.04	16.08	17.00
		15	0	15.84	15.89	15.90	17.00
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				18625/1852.5	18900/1880	19175/1907.5	
5MHz	QPSK	1	0	15.35	15.27	15.30	17.00
		1	13	15.26	15.15	15.18	17.00
		1	24	15.32	15.18	15.29	17.00
		12	0	15.41	15.29	15.29	17.00
		12	6	15.42	15.36	15.22	17.00
		12	13	15.38	15.27	15.24	17.00
		25	0	15.43	15.26	15.34	17.00
	16QAM	1	0	15.64	15.33	15.63	17.00
		1	13	15.62	15.24	15.64	17.00
		1	24	15.60	15.34	15.66	17.00
		12	0	15.25	15.19	15.29	17.00
		12	6	15.21	15.64	15.25	17.00
		12	13	15.22	15.66	15.29	17.00
		25	0	15.16	15.70	15.18	17.00
	64QAM	1	0	15.91	15.43	15.44	17.00
		1	13	15.90	15.86	15.85	17.00
		1	24	16.03	15.85	15.84	17.00
		12	0	15.89	15.91	15.99	17.00
		12	6	15.96	15.82	15.85	17.00
		12	13	15.99	15.88	15.90	17.00
		25	0	16.13	15.97	15.99	17.00
	256QAM	1	0	15.87	15.99	16.04	17.00
		1	13	15.87	16.00	16.05	17.00
		1	24	16.00	15.80	15.84	17.00
		12	0	15.92	15.94	15.96	17.00
		12	6	16.08	15.84	15.86	17.00
		12	13	15.92	16.02	16.04	17.00
		25	0	15.84	15.88	15.88	17.00



Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				18650/1855	18900/1880	19150/1905	
10MHz	QPSK	1	0	15.38	15.29	15.34	17.00
		1	25	15.28	15.19	15.21	17.00
		1	49	15.35	15.23	15.33	17.00
		25	0	15.44	15.34	15.33	17.00
		25	13	15.44	15.40	15.27	17.00
		25	25	15.40	15.29	15.28	17.00
		50	0	15.43	15.27	15.36	17.00
	16QAM	1	0	15.67	15.37	15.66	17.00
		1	25	15.65	15.26	15.67	17.00
		1	49	15.63	15.36	15.70	17.00
		25	0	15.27	15.23	15.32	17.00
		25	13	15.24	15.69	15.29	17.00
		25	25	15.25	15.71	15.33	17.00
		50	0	15.18	15.74	15.23	17.00
	64QAM	1	0	15.94	15.43	15.47	17.00
		1	25	15.93	15.84	15.88	17.00
		1	49	16.02	15.87	15.88	17.00
		25	0	15.91	15.95	15.98	17.00
		25	13	15.99	15.87	15.89	17.00
		25	25	16.02	15.93	15.94	17.00
		50	0	16.15	16.01	16.04	17.00
	256QAM	1	0	15.89	16.00	16.07	17.00
		1	25	15.90	16.05	16.09	17.00
		1	49	16.02	15.84	15.87	17.00
		25	0	15.95	15.99	16.00	17.00
		25	13	16.11	15.89	15.90	17.00
		25	25	15.94	16.06	16.09	17.00
		50	0	15.88	15.90	15.92	17.00
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				18675/1857.5	18900/1880	19125/1902.5	
15MHz	QPSK	1	0	15.36	15.24	15.31	17.00
		1	38	15.27	15.19	15.19	17.00
		1	74	15.31	15.17	15.28	17.00
		36	0	15.42	15.30	15.30	17.00
		36	18	15.42	15.36	15.22	17.00
		36	39	15.37	15.28	15.25	17.00
		75	0	15.45	15.24	15.33	17.00
	16QAM	1	0	15.61	15.34	15.63	17.00
		1	38	15.63	15.25	15.65	17.00
		1	74	15.60	15.32	15.66	17.00
		36	0	15.25	15.22	15.30	17.00



		36	18	15.20	15.63	15.24	17.00
		36	39	15.23	15.67	15.30	17.00
		75	0	15.16	15.70	15.18	17.00
	64QAM	1	0	15.88	15.40	15.44	17.00
		1	38	15.91	15.83	15.86	17.00
		1	74	16.03	15.86	15.88	17.00
		36	0	15.91	15.98	16.00	17.00
		36	18	15.96	15.83	15.87	17.00
		36	39	16.00	15.89	15.91	17.00
		75	0	16.13	15.97	15.99	17.00
	256QAM	1	0	15.88	15.96	16.05	17.00
		1	38	15.88	16.04	16.06	17.00
		1	74	15.99	15.79	15.83	17.00
		36	0	15.93	15.95	15.97	17.00
		36	18	16.08	15.84	15.86	17.00
		36	39	15.91	16.03	16.05	17.00
		75	0	15.86	15.86	15.87	17.00
	Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)		
18700/1860					18900/1880	19100/1900	
20MHz	QPSK	1	0	15.33	15.20	15.28	17.00
		1	50	15.26	15.15	15.17	17.00
		1	99	15.29	15.16	15.25	17.00
		50	0	15.39	15.25	15.26	17.00
		50	25	15.40	15.32	15.19	17.00
		50	50	15.34	15.23	15.21	17.00
		100	0	15.42	15.19	15.29	17.00
	16QAM	1	0	15.53	15.30	15.58	17.00
		1	50	15.59	15.23	15.61	17.00
		1	99	15.58	15.29	15.64	17.00
		50	0	15.22	15.18	15.27	17.00
		50	25	15.17	15.61	15.21	17.00
		50	50	15.20	15.62	15.26	17.00
		100	0	15.14	15.66	15.15	17.00
	64QAM	1	0	15.86	15.36	15.39	17.00
		1	50	15.87	15.81	15.82	17.00
		1	99	15.97	15.80	15.82	17.00
		50	0	15.86	15.90	15.93	17.00
		50	25	15.92	15.79	15.81	17.00
		50	50	15.97	15.84	15.87	17.00
		100	0	16.11	15.93	15.96	17.00
	256QAM	1	0	15.85	15.92	16.02	17.00
		1	50	15.87	16.00	16.04	17.00
		1	99	15.97	15.78	15.80	17.00



		50	0	15.90	15.90	15.93	17.00
		50	25	16.06	15.80	15.83	17.00
		50	50	15.88	15.98	16.01	17.00
		100	0	15.83	15.81	15.83	17.00

LTE FDD Band 2 Level3				Conducted Power(dBm)			Tune-up Limit
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			
				18607/1850.7	18900/1880	19193/1909.3	
1.4MHz	QPSK	1	0	19.81	19.76	19.60	21.50
		1	2	19.76	19.60	19.65	21.50
		1	5	19.66	19.65	19.64	21.50
		3	0	19.82	19.67	19.66	21.50
		3	2	19.80	19.60	19.59	21.50
		3	3	19.75	19.60	19.58	21.50
		6	0	19.72	19.65	19.71	21.50
	16QAM	1	0	20.06	20.08	20.05	21.50
		1	2	19.90	19.92	19.91	21.50
		1	5	19.91	19.89	19.84	21.50
		3	0	19.74	19.78	19.73	21.50
		3	2	19.68	19.66	19.68	21.50
		3	3	19.58	19.64	19.59	21.50
		6	0	19.67	19.67	19.72	21.50
	64QAM	1	0	19.88	19.85	19.87	21.50
		1	2	19.60	19.57	19.59	21.50
		1	5	19.80	19.76	19.77	21.50
		3	0	19.77	19.77	19.82	21.50
		3	2	19.55	19.53	19.55	21.50
		3	3	19.67	19.68	19.61	21.50
		6	0	19.65	19.64	19.62	21.50
	256QAM	1	0	18.17	18.20	18.14	19.50
		1	2	18.03	18.02	18.05	19.50
		1	5	18.14	18.12	18.11	19.50
		3	0	17.72	17.65	17.59	19.50
		3	2	17.54	17.65	17.63	19.50
		3	3	17.55	17.67	17.64	19.50
		6	0	17.64	17.73	17.70	19.50
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				18615/1851.5	18900/1880	19185/1908.5	
3MHz	QPSK	1	0	19.83	19.80	19.63	21.50
		1	7	19.76	19.62	19.69	21.50
		1	14	19.69	19.70	19.68	21.50
		8	0	19.86	19.74	19.73	21.50



	16QAM	8	4	19.83	19.68	19.65	21.50	
		8	7	19.79	19.65	19.62	21.50	
		15	0	19.74	19.69	19.74	21.50	
		1	0	20.09	20.10	20.08	21.50	
		1	7	19.93	19.94	19.95	21.50	
		1	14	19.93	19.93	19.87	21.50	
		8	0	19.79	19.82	19.76	21.50	
		8	4	19.73	19.73	19.74	21.50	
		8	7	19.62	19.70	19.66	21.50	
	15	0	19.70	19.71	19.75	21.50		
	64QAM	1	0	19.91	19.87	19.90	21.50	
		1	7	19.63	19.59	19.63	21.50	
		1	14	19.82	19.80	19.80	21.50	
		8	0	19.82	19.81	19.85	21.50	
		8	4	19.60	19.60	19.61	21.50	
		8	7	19.71	19.74	19.68	21.50	
		15	0	19.67	19.70	19.67	21.50	
	256QAM	1	0	18.19	18.24	18.17	19.50	
		1	7	18.03	18.04	18.09	19.50	
		1	14	18.17	18.17	18.15	19.50	
		8	0	17.76	17.72	17.66	19.50	
		8	4	17.57	17.73	17.69	19.50	
		8	7	17.59	17.72	17.68	19.50	
		15	0	17.66	17.77	17.73	19.50	
	Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
					18625/1852.5	18900/1880	19175/1907.5	
	5MHz	QPSK	1	0	19.80	19.78	19.59	21.50
			1	13	19.74	19.58	19.66	21.50
1			24	19.66	19.65	19.64	21.50	
12			0	19.83	19.69	19.69	21.50	
12			6	19.81	19.64	19.60	21.50	
12			13	19.77	19.63	19.58	21.50	
25			0	19.72	19.68	19.72	21.50	
16QAM		1	0	20.06	20.06	20.05	21.50	
		1	13	19.90	19.92	19.92	21.50	
		1	24	19.90	19.91	19.83	21.50	
		12	0	19.77	19.78	19.73	21.50	
		12	6	19.70	19.68	19.70	21.50	
		12	13	19.59	19.65	19.62	21.50	
		25	0	19.68	19.67	19.70	21.50	
64QAM		1	0	19.88	19.83	19.87	21.50	
		1	13	19.60	19.57	19.60	21.50	
		1	24	19.79	19.78	19.76	21.50	



		12	0	19.80	19.77	19.82	21.50
		12	6	19.57	19.55	19.57	21.50
		12	13	19.68	19.69	19.64	21.50
		25	0	19.65	19.66	19.62	21.50
	256QAM	1	0	18.16	18.22	18.13	19.50
		1	13	18.01	18.00	18.06	19.50
		1	24	18.14	18.12	18.11	19.50
		12	0	17.73	17.67	17.62	19.50
		12	6	17.55	17.69	17.64	19.50
		12	13	17.57	17.70	17.64	19.50
25	0	17.64	17.76	17.71	19.50		
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				18650/1855	18900/1880	19150/1905	
10MHz	QPSK	1	0	19.81	19.77	19.61	21.50
		1	25	19.75	19.62	19.68	21.50
		1	49	19.67	19.67	19.66	21.50
		25	0	19.84	19.73	19.71	21.50
		25	13	19.83	19.67	19.63	21.50
		25	25	19.77	19.63	19.62	21.50
		50	0	19.72	19.69	19.73	21.50
	16QAM	1	0	20.05	20.04	20.05	21.50
		1	25	19.92	19.95	19.90	21.50
		1	49	19.91	19.89	19.85	21.50
		25	0	19.75	19.82	19.74	21.50
		25	13	19.69	19.67	19.71	21.50
		25	25	19.61	19.69	19.61	21.50
		50	0	19.67	19.69	19.70	21.50
	64QAM	1	0	19.88	19.82	19.88	21.50
		1	25	19.62	19.59	19.60	21.50
		1	49	19.79	19.75	19.77	21.50
		25	0	19.82	19.81	19.81	21.50
		25	13	19.55	19.56	19.56	21.50
		25	25	19.69	19.70	19.67	21.50
		50	0	19.67	19.69	19.63	21.50
	256QAM	1	0	18.17	18.21	18.15	19.50
		1	25	18.02	18.04	18.08	19.50
		1	49	18.15	18.14	18.13	19.50
		25	0	17.74	17.71	17.64	19.50
		25	13	17.57	17.72	17.67	19.50
		25	25	17.57	17.70	17.68	19.50
		50	0	17.64	17.77	17.72	19.50
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				18675/1857.5	18900/1880	19125/1902.5	



15MHz	QPSK	1	0	19.81	19.75	19.60	21.50
		1	38	19.75	19.62	19.67	21.50
		1	74	19.65	19.64	19.63	21.50
		36	0	19.84	19.70	19.70	21.50
		36	18	19.81	19.64	19.60	21.50
		36	39	19.76	19.64	19.59	21.50
		75	0	19.75	19.66	19.71	21.50
	16QAM	1	0	20.03	20.07	20.05	21.50
		1	38	19.91	19.93	19.93	21.50
		1	74	19.90	19.89	19.83	21.50
		36	0	19.77	19.81	19.74	21.50
		36	18	19.69	19.67	19.69	21.50
		36	39	19.60	19.66	19.63	21.50
		75	0	19.68	19.67	19.70	21.50
	64QAM	1	0	19.85	19.84	19.87	21.50
		1	38	19.61	19.58	19.61	21.50
		1	74	19.79	19.76	19.76	21.50
		36	0	19.80	19.80	19.83	21.50
		36	18	19.56	19.54	19.56	21.50
		36	39	19.69	19.70	19.65	21.50
		75	0	19.65	19.66	19.62	21.50
	256QAM	1	0	18.17	18.19	18.14	19.50
		1	38	18.02	18.04	18.07	19.50
		1	74	18.13	18.11	18.10	19.50
		36	0	17.74	17.68	17.63	19.50
		36	18	17.55	17.69	17.64	19.50
		36	39	17.56	17.71	17.65	19.50
		75	0	17.67	17.74	17.70	19.50
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				18700/1860	18900/1880	19100/1900	
20MHz	QPSK	1	0	19.78	19.71	19.57	21.50
		1	50	19.74	19.58	19.65	21.50
		1	99	19.63	19.63	19.60	21.50
		50	0	19.81	19.65	19.66	21.50
		50	25	19.79	19.60	19.57	21.50
		50	50	19.73	19.59	19.55	21.50
		100	0	19.72	19.61	19.67	21.50
	16QAM	1	0	20.01	20.03	20.00	21.50
		1	50	19.87	19.91	19.89	21.50
		1	99	19.88	19.86	19.81	21.50
		50	0	19.74	19.77	19.71	21.50
		50	25	19.66	19.65	19.66	21.50
		50	50	19.57	19.61	19.59	21.50



	64QAM	100	0	19.66	19.63	19.67	21.50
		1	0	19.83	19.80	19.82	21.50
		1	50	19.57	19.56	19.57	21.50
		1	99	19.77	19.73	19.74	21.50
		50	0	19.77	19.76	19.80	21.50
		50	25	19.53	19.52	19.53	21.50
		50	50	19.66	19.65	19.61	21.50
		100	0	19.63	19.62	19.59	21.50
	256QAM	1	0	18.14	18.15	18.11	19.50
		1	50	18.01	18.00	18.05	19.50
		1	99	18.11	18.10	18.07	19.50
		50	0	17.71	17.63	17.59	19.50
		50	25	17.53	17.65	17.61	19.50
		50	50	17.53	17.66	17.61	19.50
100		0	17.64	17.69	17.66	19.50	

LTE FDD Band 2 Level5				Conducted Power(dBm)			Tune-up Limit
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			
				18607/1850.7	18900/1880	19193/1909.3	
1.4MHz	QPSK	1	0	17.81	17.82	17.59	19.50
		1	2	17.77	17.80	17.60	19.50
		1	5	17.84	17.63	17.87	19.50
		3	0	18.94	18.78	18.68	19.50
		3	2	18.93	18.69	18.76	19.50
		3	3	18.89	18.77	18.67	19.50
		6	0	17.85	17.77	17.85	19.50
	16QAM	1	0	18.30	17.95	18.00	19.50
		1	2	18.28	18.12	18.13	19.50
		1	5	18.38	18.15	18.21	19.50
		3	0	18.86	18.57	18.63	19.50
		3	2	18.89	19.29	19.34	19.50
		3	3	19.00	19.26	19.29	19.50
		6	0	18.12	18.42	18.44	19.50
	64QAM	1	0	18.05	18.26	18.33	19.50
		1	2	18.16	18.23	18.30	19.50
		1	5	18.27	18.19	18.19	19.50
		3	0	18.69	19.08	19.14	19.50
		3	2	19.38	19.27	19.35	19.50
		3	3	19.36	19.06	19.08	19.50
		6	0	18.41	18.25	18.30	19.50
256QAM	1	0	18.37	18.11	18.17	19.50	
	1	2	18.36	18.14	18.19	19.50	



Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				18615/1851.5	18900/1880	19185/1908.5	
		1	5	18.24	18.27	18.34	19.50
		3	0	19.21	18.79	18.81	19.50
		3	2	19.38	18.77	18.82	19.50
		3	3	19.15	18.90	18.97	19.50
3MHz	QPSK	1	0	17.83	17.86	17.62	19.50
		1	7	17.75	17.83	17.64	19.50
		1	14	17.87	17.68	17.91	19.50
		8	0	18.04	17.90	17.81	19.50
		8	4	18.05	17.79	17.88	19.50
		8	7	17.99	17.88	17.77	19.50
		15	0	17.85	17.81	17.88	19.50
	16QAM	1	0	18.33	17.97	18.03	19.50
		1	7	18.31	18.12	18.17	19.50
		1	14	18.40	18.19	18.24	19.50
		8	0	17.97	17.70	17.75	19.50
		8	4	18.00	18.42	18.46	19.50
		8	7	18.10	18.38	18.42	19.50
		15	0	18.15	18.46	18.47	19.50
	64QAM	1	0	18.08	18.28	18.36	19.50
		1	7	18.19	18.23	18.32	19.50
		1	14	18.29	18.18	18.22	19.50
		8	0	17.80	18.21	18.26	19.50
		8	4	18.49	18.40	18.47	19.50
		8	7	18.46	18.18	18.21	19.50
		15	0	18.44	18.29	18.33	19.50
	256QAM	1	0	18.39	18.15	18.20	19.50
		1	7	18.34	18.17	18.23	19.50
		1	14	18.27	18.32	18.38	19.50
		8	0	18.31	17.91	17.94	19.50
		8	4	18.50	17.87	17.94	19.50
		8	7	18.25	18.01	18.07	19.50
		15	0	18.30	18.11	18.14	19.50
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				18625/1852.5	18900/1880	19175/1907.5	
5MHz	QPSK	1	0	17.80	17.84	17.58	19.50
		1	13	17.73	17.79	17.61	19.50
		1	24	17.84	17.63	17.87	19.50
		12	0	18.01	17.85	17.77	19.50
		12	6	18.03	17.75	17.83	19.50
		12	13	17.97	17.86	17.73	19.50
		25	0	17.85	17.80	17.86	19.50



	16QAM	1	0	18.30	17.93	18.00	19.50
		1	13	18.28	18.10	18.14	19.50
		1	24	18.37	18.17	18.20	19.50
		12	0	17.95	17.66	17.72	19.50
		12	6	17.97	18.37	18.42	19.50
		12	13	18.07	18.33	18.38	19.50
		25	0	18.13	18.42	18.42	19.50
	64QAM	1	0	18.05	18.28	18.33	19.50
		1	13	18.16	18.25	18.29	19.50
		1	24	18.30	18.16	18.18	19.50
		12	0	17.78	18.17	18.27	19.50
		12	6	18.46	18.35	18.43	19.50
		12	13	18.43	18.13	18.17	19.50
		25	0	18.42	18.25	18.28	19.50
	256QAM	1	0	18.36	18.13	18.16	19.50
		1	13	18.32	18.13	18.20	19.50
		1	24	18.24	18.27	18.34	19.50
		12	0	18.28	17.86	17.90	19.50
		12	6	18.48	17.83	17.89	19.50
		12	13	18.23	17.99	18.03	19.50
		25	0	18.30	18.10	18.12	19.50
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				18650/1855	18900/1880	19150/1905	
10MHz	QPSK	1	0	17.82	17.85	17.61	19.50
		1	25	17.76	17.84	17.65	19.50
		1	49	17.86	17.67	17.90	19.50
		25	0	18.04	17.90	17.81	19.50
		25	13	18.06	17.80	17.87	19.50
		25	25	17.99	17.90	17.78	19.50
		50	0	17.89	17.82	17.90	19.50
	16QAM	1	0	18.32	17.96	18.02	19.50
		1	25	18.31	18.14	18.17	19.50
		1	49	18.40	18.19	18.23	19.50
		25	0	17.98	17.71	17.76	19.50
		25	13	17.99	18.41	18.45	19.50
		25	25	18.10	18.38	18.42	19.50
		50	0	18.16	18.47	18.46	19.50
	64QAM	1	0	18.07	18.27	18.35	19.50
		1	25	18.19	18.25	18.32	19.50
		1	49	18.29	18.18	18.21	19.50
		25	0	17.81	18.22	18.27	19.50
		25	13	18.48	18.39	18.46	19.50
		25	25	18.46	18.18	18.21	19.50



	256QAM	50	0	18.45	18.30	18.32	19.50
		1	0	18.38	18.14	18.19	19.50
		1	25	18.35	18.18	18.24	19.50
		1	49	18.26	18.31	18.37	19.50
		25	0	18.31	17.91	17.94	19.50
		25	13	18.51	17.88	17.93	19.50
		25	25	18.25	18.03	18.08	19.50
		50	0	18.34	18.12	18.16	19.50
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				18675/1857.5	18900/1880	19125/1902.5	
15MHz	QPSK	1	0	17.81	17.81	17.59	19.50
		1	38	17.74	17.83	17.62	19.50
		1	74	17.83	17.62	17.86	19.50
		36	0	18.02	17.86	17.78	19.50
		36	18	18.03	17.75	17.83	19.50
		36	39	17.96	17.87	17.74	19.50
		75	0	17.87	17.78	17.85	19.50
	16QAM	1	0	18.27	17.94	18.00	19.50
		1	38	18.29	18.11	18.15	19.50
		1	74	18.37	18.15	18.20	19.50
		36	0	17.95	17.69	17.73	19.50
		36	18	17.96	18.36	18.41	19.50
		36	39	18.08	18.34	18.39	19.50
		75	0	18.13	18.42	18.42	19.50
	64QAM	1	0	18.02	18.25	18.33	19.50
		1	38	18.17	18.22	18.30	19.50
		1	74	18.30	18.17	18.22	19.50
		36	0	17.80	18.24	18.28	19.50
		36	18	18.46	18.36	18.45	19.50
		36	39	18.44	18.14	18.18	19.50
		75	0	18.42	18.25	18.28	19.50
	256QAM	1	0	18.37	18.10	18.17	19.50
		1	38	18.33	18.17	18.21	19.50
		1	74	18.23	18.26	18.33	19.50
		36	0	18.29	17.87	17.91	19.50
		36	18	18.48	17.83	17.89	19.50
		36	39	18.22	18.00	18.04	19.50
		75	0	18.32	18.08	18.11	19.50
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				18700/1860	18900/1880	19100/1900	
20MHz	QPSK	1	0	17.78	17.77	17.56	19.50
		1	50	17.73	17.79	17.60	19.50
		1	99	17.81	17.61	17.83	19.50



		50	0	17.99	17.81	17.74	19.50
		50	25	18.01	17.71	17.80	19.50
		50	50	17.93	17.82	17.70	19.50
		100	0	17.84	17.73	17.81	19.50
	16QAM	1	0	18.22	17.90	17.95	19.50
		1	50	18.25	18.09	18.11	19.50
		1	99	18.35	18.12	18.18	19.50
		50	0	17.92	17.65	17.70	19.50
		50	25	17.93	18.34	18.38	19.50
		50	50	18.05	18.29	18.35	19.50
		100	0	18.11	18.38	18.39	19.50
	64QAM	1	0	18.00	18.21	18.28	19.50
		1	50	18.13	18.20	18.26	19.50
		1	99	18.24	18.11	18.16	19.50
		50	0	17.75	18.16	18.21	19.50
		50	25	18.42	18.32	18.39	19.50
		50	50	18.41	18.09	18.14	19.50
		100	0	18.40	18.21	18.25	19.50
	256QAM	1	0	18.34	18.06	18.14	19.50
		1	50	18.32	18.13	18.19	19.50
		1	99	18.21	18.25	18.30	19.50
		50	0	18.26	17.82	17.87	19.50
		50	25	18.46	17.79	17.86	19.50
		50	50	18.19	17.95	18.00	19.50
		100	0	18.29	18.03	18.07	19.50

LTE FDD Band 2 Level6-D1				Conducted Power(dBm)			Tune-up Limit
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			
				18607/1850.7	18900/1880	19193/1909.3	
1.4MHz	QPSK	1	0	22.92	22.94	22.79	24.00
		1	2	22.91	22.92	22.95	24.00
		1	5	22.96	22.87	22.93	24.00
		3	0	22.98	22.82	22.85	24.00
		3	2	22.89	22.87	22.81	24.00
		3	3	22.95	22.76	22.84	24.00
		6	0	21.97	21.87	21.98	23.00
	16QAM	1	0	22.15	21.84	21.90	23.00
		1	2	22.13	22.11	22.16	23.00
		1	5	21.99	21.93	22.05	23.00
		3	0	22.00	21.90	22.04	23.00
		3	2	21.90	21.85	21.94	23.00
		3	3	21.93	21.90	21.95	23.00



Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				18615/1851.5	18900/1880	19185/1908.5	
	64QAM	6	0	20.99	20.98	21.05	22.00
		1	0	21.65	21.44	21.25	22.00
		1	2	21.24	21.30	21.36	22.00
		1	5	21.35	21.38	21.32	22.00
		3	0	21.13	21.10	21.15	22.00
		3	2	21.16	21.08	21.12	22.00
		3	3	21.06	21.09	21.16	22.00
		6	0	20.21	20.29	20.26	21.50
	256QAM	1	0	18.15	18.20	18.22	19.00
		1	2	18.39	18.38	18.36	19.00
		1	5	18.37	18.43	18.39	19.00
		3	0	18.15	18.14	18.17	19.00
		3	2	18.17	18.14	18.13	19.00
		3	3	18.02	18.06	18.05	19.00
6	0	18.08	18.14	18.11	19.00		
3MHz	QPSK	1	0	22.94	22.98	22.82	24.00
		1	7	22.89	22.95	22.99	24.00
		1	14	22.99	22.92	22.97	24.00
		8	0	22.08	21.94	21.98	23.00
		8	4	22.01	21.97	21.93	23.00
		8	7	22.05	21.87	21.94	23.00
		15	0	21.97	21.91	22.01	23.00
	16QAM	1	0	22.18	21.86	21.93	23.00
		1	7	22.16	22.11	22.20	23.00
		1	14	22.01	21.97	22.08	23.00
		8	0	21.11	21.03	21.16	22.00
		8	4	21.01	20.98	21.06	22.00
		8	7	21.03	21.02	21.08	22.00
		15	0	21.02	21.02	21.08	22.00
	64QAM	1	0	21.68	21.46	21.28	22.00
		1	7	21.27	21.30	21.38	22.00
		1	14	21.37	21.37	21.35	22.00
		8	0	21.24	20.23	21.25	21.50
		8	4	20.27	20.21	20.24	21.50
		8	7	20.16	20.21	20.29	21.50
		15	0	20.24	20.33	20.29	21.50
	256QAM	1	0	18.18	18.22	18.25	19.00
		1	7	18.42	18.38	18.38	19.00
		1	14	18.39	18.42	18.42	19.00
		8	0	18.26	18.27	18.29	19.00
		8	4	18.28	18.27	18.25	19.00



Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				18625/1852.5	18900/1880	19175/1907.5	
5MHz	QPSK	8	7	18.12	18.18	18.12	19.00
		15	0	18.11	18.18	18.14	19.00
		1	0	22.91	22.96	22.78	24.00
		1	13	22.87	22.91	22.96	24.00
		1	24	22.96	22.87	22.93	24.00
		12	0	22.05	21.89	21.94	23.00
		12	6	21.99	21.93	21.88	23.00
	12	13	22.03	21.85	21.90	23.00	
	25	0	21.97	21.90	21.99	23.00	
	16QAM	1	0	22.15	21.82	21.90	23.00
		1	13	22.13	22.09	22.17	23.00
		1	24	21.98	21.95	22.04	23.00
		12	0	21.09	20.99	21.13	22.00
		12	6	20.98	20.93	21.02	22.00
		12	13	21.00	20.97	21.04	22.00
		25	0	21.00	20.98	21.03	22.00
	64QAM	1	0	21.65	21.46	21.25	22.00
		1	13	21.24	21.32	21.35	22.00
		1	24	21.38	21.35	21.31	22.00
		12	0	21.22	20.19	21.26	21.50
		12	6	20.24	20.16	20.20	21.50
		12	13	20.13	20.16	20.25	21.50
		25	0	20.22	20.29	20.24	21.50
	256QAM	1	0	18.15	18.22	18.22	19.00
		1	13	18.39	18.40	18.35	19.00
		1	24	18.40	18.40	18.38	19.00
		12	0	18.24	18.23	18.30	19.00
		12	6	18.25	18.22	18.21	19.00
12		13	18.09	18.13	18.21	19.00	
25		0	18.09	18.14	18.09	19.00	
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				18650/1855	18900/1880	19150/1905	
10MHz	QPSK	1	0	23.19	23.08	23.11	24.00
		1	25	23.18	22.99	23.07	24.00
		1	49	23.07	23.03	23.08	24.00
		25	0	22.22	22.15	22.10	23.00
		25	13	22.15	22.17	22.08	23.00
		25	25	22.12	22.23	22.14	23.00
		50	0	22.14	22.21	22.10	23.00
	16QAM	1	0	22.35	22.32	22.30	23.00
		1	25	22.30	22.31	22.27	23.00



		1	49	22.28	22.28	22.22	23.00	
		25	0	21.20	21.22	21.17	22.00	
		25	13	21.20	21.20	21.16	22.00	
		25	25	21.22	21.23	21.20	22.00	
		50	0	21.13	21.13	21.11	22.00	
	64QAM	1	0	21.36	21.33	21.32	22.00	
		1	25	21.08	21.06	21.12	22.00	
		1	49	21.25	21.23	21.19	22.00	
		25	0	21.20	21.14	21.17	21.50	
		25	13	20.29	20.38	20.32	21.50	
		25	25	20.46	20.43	20.53	21.50	
		50	0	20.45	20.41	20.42	21.50	
	256QAM	1	0	18.17	18.21	18.24	19.00	
		1	25	18.42	18.40	18.38	19.00	
		1	49	18.39	18.42	18.41	19.00	
		25	0	18.27	18.28	18.30	19.00	
		25	13	18.27	18.26	18.24	19.00	
		25	25	18.12	18.18	18.11	19.00	
		50	0	18.12	18.19	18.13	19.00	
	Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
					18675/1857.5	18900/1880	19125/1902.5	
15MHz	QPSK	1	0	22.92	22.93	22.79	24.00	
		1	38	22.88	22.95	22.97	24.00	
		1	74	22.95	22.86	22.92	24.00	
		36	0	22.06	21.90	21.95	23.00	
		36	18	21.99	21.93	21.88	23.00	
		36	39	22.02	21.86	21.91	23.00	
		75	0	21.99	21.88	21.98	23.00	
	16QAM	1	0	22.12	21.83	21.90	23.00	
		1	38	22.14	22.10	22.18	23.00	
		1	74	21.98	21.93	22.04	23.00	
		36	0	21.09	21.02	21.14	22.00	
		36	18	20.97	20.92	21.01	22.00	
		36	39	21.01	20.98	21.05	22.00	
		75	0	21.00	20.98	21.03	22.00	
	64QAM	1	0	21.62	21.43	21.25	22.00	
		1	38	21.25	21.29	21.36	22.00	
		1	74	21.38	21.36	21.35	22.00	
		36	0	21.24	20.26	21.27	21.50	
		36	18	20.24	20.17	20.22	21.50	
		36	39	20.14	20.17	20.26	21.50	
		75	0	20.22	20.29	20.24	21.50	
256QAM	1	0	18.12	18.19	18.22	19.00		



Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				18700/1860	18900/1880	19100/1900	
		1	38	18.40	18.37	18.36	19.00
		1	74	18.40	18.41	18.42	19.00
		36	0	18.26	18.30	18.31	19.00
		36	18	18.25	18.23	18.23	19.00
		36	39	18.10	18.14	18.05	19.00
		75	0	18.09	18.14	18.09	19.00
20MHz	QPSK	1	0	22.89	22.89	22.76	24.00
		1	50	22.87	22.91	22.95	24.00
		1	99	22.93	22.85	22.89	24.00
		50	0	22.03	21.85	21.91	23.00
		50	25	21.97	21.89	21.85	23.00
		50	50	21.99	21.81	21.87	23.00
		100	0	21.96	21.83	21.94	23.00
	16QAM	1	0	21.83	21.79	21.85	23.00
		1	50	22.10	22.08	22.14	23.00
		1	99	21.96	21.90	22.02	23.00
		50	0	21.06	20.98	21.11	22.00
		50	25	20.94	20.90	20.98	22.00
		50	50	20.98	20.93	21.01	22.00
		100	0	20.98	20.94	21.00	22.00
	64QAM	1	0	21.60	21.39	21.20	22.00
		1	50	21.21	21.27	21.32	22.00
		1	99	21.32	21.30	21.29	22.00
		50	0	21.19	20.18	21.20	21.50
		50	25	20.20	20.13	20.16	21.50
		50	50	20.11	20.12	20.22	21.50
		100	0	20.20	20.25	20.21	21.50
	256QAM	1	0	18.10	18.15	18.17	19.00
		1	50	18.36	18.35	18.32	19.00
		1	99	18.34	18.35	18.36	19.00
		50	0	18.21	18.22	18.24	19.00
		50	25	18.21	18.19	18.17	19.00
		50	50	18.07	18.09	18.01	19.00
		100	0	18.07	18.10	18.06	19.00

LTE FDD Band 2 Level7-D1				Conducted Power(dBm)			Tune-up Limit
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			
				18607/1850.7	18900/1880	19193/1909.3	
1.4MHz	QPSK	1	0	20.74	20.81	20.76	22.50
		1	2	20.89	20.80	20.82	22.50



		1	5	20.63	20.53	20.93	22.50	
		3	0	20.84	20.81	20.81	22.50	
		3	2	20.88	20.91	20.85	22.50	
		3	3	20.87	20.82	20.77	22.50	
		6	0	20.93	20.73	20.82	22.50	
	16QAM	1	0	21.33	21.01	21.06	22.50	
		1	2	21.31	21.27	21.28	22.50	
		1	5	21.36	21.24	21.30	22.50	
		3	0	21.59	21.47	21.53	22.50	
		3	2	21.46	21.37	21.42	22.50	
		3	3	21.58	21.48	21.51	22.50	
		6	0	20.45	20.46	20.48	21.50	
	64QAM	1	0	20.76	20.89	20.70	21.50	
		1	2	20.72	20.60	20.67	21.50	
		1	5	20.51	20.46	20.46	21.50	
		3	0	20.83	20.71	20.77	21.50	
		3	2	21.05	20.90	20.98	21.50	
		3	3	20.95	20.87	20.89	21.50	
		6	0	19.96	19.91	19.96	20.50	
	256QAM	1	0	17.57	17.49	17.51	19.00	
		1	2	17.82	17.74	17.80	19.00	
		1	5	17.45	17.37	17.44	19.00	
		3	0	18.04	18.02	18.03	19.00	
		3	2	17.91	17.85	17.90	19.00	
		3	3	17.82	17.74	17.80	19.00	
		6	0	17.95	17.98	18.01	19.00	
	Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
					18615/1851.5	18900/1880	19185/1908.5	
3MHz	QPSK	1	0	20.76	20.85	20.79	22.50	
		1	7	20.87	20.83	20.86	22.50	
		1	14	20.66	20.58	20.97	22.50	
		8	0	20.84	20.83	20.84	22.50	
		8	4	20.90	20.91	20.87	22.50	
		8	7	20.87	20.83	20.77	22.50	
		15	0	20.93	20.77	20.85	22.50	
	16QAM	1	0	21.36	21.03	21.09	22.50	
		1	7	21.34	21.27	21.32	22.50	
		1	14	21.38	21.28	21.33	22.50	
		8	0	20.70	20.60	20.65	21.50	
		8	4	20.57	20.50	20.54	21.50	
		8	7	20.68	20.60	20.64	21.50	
		15	0	20.48	20.50	20.51	21.50	
	64QAM	1	0	20.79	20.91	20.73	21.50	



		1	7	20.75	20.60	20.69	21.50
		1	14	20.53	20.45	20.49	21.50
		8	0	19.94	19.84	19.89	20.50
		8	4	20.16	20.03	20.10	20.50
		8	7	20.05	19.99	20.02	20.50
		15	0	19.99	19.95	19.99	20.50
	256QAM	1	0	17.53	17.41	17.46	19.00
		1	7	17.79	17.69	17.75	19.00
		1	14	17.40	17.31	17.37	19.00
		8	0	17.99	17.93	17.96	19.00
		8	4	17.86	17.76	17.83	19.00
		8	7	17.76	17.66	17.72	19.00
		15	0	17.90	17.89	17.92	19.00
	Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)		
18625/1852.5					18900/1880	19175/1907.5	
5MHz	QPSK	1	0	20.73	20.83	20.75	22.50
		1	13	20.85	20.79	20.83	22.50
		1	24	20.63	20.53	20.93	22.50
		12	0	20.81	20.78	20.80	22.50
		12	6	20.88	20.87	20.82	22.50
		12	13	20.85	20.81	20.73	22.50
		25	0	20.93	20.76	20.83	22.50
	16QAM	1	0	21.33	20.99	21.06	22.50
		1	13	21.31	21.25	21.29	22.50
		1	24	21.35	21.26	21.29	22.50
		12	0	20.68	20.56	20.62	21.50
		12	6	20.54	20.45	20.50	21.50
		12	13	20.65	20.55	20.60	21.50
		25	0	20.46	20.46	20.46	21.50
	64QAM	1	0	20.76	20.91	20.70	21.50
		1	13	20.72	20.62	20.66	21.50
		1	24	20.54	20.43	20.45	21.50
		12	0	19.92	19.80	19.90	20.50
		12	6	20.13	19.98	20.06	20.50
		12	13	20.02	19.94	19.98	20.50
		25	0	19.97	19.91	19.94	20.50
	256QAM	1	0	17.50	17.39	17.42	19.00
		1	13	17.77	17.65	17.72	19.00
		1	24	17.37	17.26	17.33	19.00
		12	0	17.96	17.88	17.92	19.00
		12	6	17.84	17.72	17.78	19.00
		12	13	17.74	17.64	17.68	19.00
		25	0	17.90	17.88	17.90	19.00



Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				18650/1855	18900/1880	19150/1905	
10MHz	QPSK	1	0	20.75	20.84	20.78	22.50
		1	25	20.88	20.84	20.87	22.50
		1	49	20.65	20.57	20.96	22.50
		25	0	20.84	20.83	20.84	22.50
		25	13	20.91	20.92	20.86	22.50
		25	25	20.87	20.85	20.78	22.50
		50	0	20.97	20.78	20.87	22.50
	16QAM	1	0	21.35	21.02	21.08	22.50
		1	25	21.34	21.29	21.32	22.50
		1	49	21.38	21.28	21.32	22.50
		25	0	20.71	20.61	20.66	21.50
		25	13	20.56	20.49	20.53	21.50
		25	25	20.68	20.60	20.64	21.50
		50	0	20.49	20.51	20.50	21.50
	64QAM	1	0	20.78	20.90	20.72	21.50
		1	25	20.75	20.62	20.69	21.50
		1	49	20.53	20.45	20.48	21.50
		25	0	19.95	19.85	19.90	20.50
		25	13	20.15	20.02	20.09	20.50
		25	25	20.05	19.99	20.02	20.50
		50	0	20.00	19.96	19.98	20.50
	256QAM	1	0	17.52	17.40	17.45	19.00
		1	25	17.80	17.70	17.76	19.00
		1	49	17.39	17.30	17.36	19.00
		25	0	17.99	17.93	17.96	19.00
		25	13	17.87	17.77	17.82	19.00
		25	25	17.76	17.68	17.73	19.00
		50	0	17.94	17.90	17.94	19.00
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				18675/1857.5	18900/1880	19125/1902.5	
15MHz	QPSK	1	0	20.74	20.80	20.76	22.50
		1	38	20.86	20.83	20.84	22.50
		1	74	20.62	20.52	20.92	22.50
		36	0	20.82	20.79	20.81	22.50
		36	18	20.88	20.87	20.82	22.50
		36	39	20.84	20.82	20.74	22.50
		75	0	20.95	20.74	20.82	22.50
	16QAM	1	0	21.30	21.00	21.06	22.50
		1	38	21.32	21.26	21.30	22.50
		1	74	21.35	21.24	21.29	22.50
		36	0	20.68	20.59	20.63	21.50



		36	18	20.53	20.44	20.49	21.50	
		36	39	20.66	20.56	20.61	21.50	
		75	0	20.46	20.46	20.46	21.50	
	64QAM		1	0	20.73	20.88	20.70	21.50
			1	38	20.73	20.59	20.67	21.50
			1	74	20.54	20.44	20.49	21.50
			36	0	19.94	19.87	19.91	20.50
			36	18	20.13	19.99	20.08	20.50
			36	39	20.03	19.95	19.99	20.50
			75	0	19.97	19.91	19.94	20.50
	256QAM		1	0	17.51	17.36	17.43	19.00
			1	38	17.78	17.69	17.73	19.00
			1	74	17.36	17.25	17.32	19.00
			36	0	17.97	17.89	17.93	19.00
			36	18	17.84	17.72	17.78	19.00
			36	39	17.73	17.65	17.69	19.00
			75	0	17.92	17.86	17.89	19.00
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit	
				18700/1860	18900/1880	19100/1900		
20MHz	QPSK	1	0	20.71	20.76	20.73	22.50	
		1	50	20.85	20.79	20.82	22.50	
		1	99	20.60	20.51	20.89	22.50	
		50	0	20.79	20.74	20.77	22.50	
		50	25	20.86	20.83	20.79	22.50	
		50	50	20.81	20.77	20.70	22.50	
		100	0	20.92	20.69	20.78	22.50	
	16QAM		1	0	21.06	20.96	21.01	22.50
			1	50	21.28	21.24	21.26	22.50
			1	99	21.33	21.21	21.27	22.50
			50	0	20.65	20.55	20.60	21.50
			50	25	20.50	20.42	20.46	21.50
			50	50	20.63	20.51	20.57	21.50
			100	0	20.44	20.42	20.43	21.50
	64QAM		1	0	20.71	20.84	20.65	21.50
			1	50	20.69	20.57	20.63	21.50
			1	99	20.48	20.38	20.43	21.50
			50	0	19.89	19.79	19.84	20.50
			50	25	20.09	19.95	20.02	20.50
			50	50	20.00	19.90	19.95	20.50
			100	0	19.95	19.87	19.91	20.50
	256QAM		1	0	17.48	17.32	17.40	19.00
			1	50	17.77	17.65	17.71	19.00
			1	99	17.34	17.24	17.29	19.00



		50	0	17.94	17.84	17.89	19.00
		50	25	17.82	17.68	17.75	19.00
		50	50	17.70	17.60	17.65	19.00
		100	0	17.89	17.81	17.85	19.00

Ant 7

LTE FDD Band 4 Full Power&Level2&Level6-D1 &Level6-D2&Level7-D1				Conducted Power(dBm)			Tune-up Limit
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency(MHz)			
				19957/1710.7	20175/1732.5	20393/1754.3	
1.4MHz	QPSK	1	0	23.15	23.31	23.16	24.60
		1	2	23.12	23.11	23.11	24.60
		1	5	23.09	23.11	23.06	24.60
		3	0	23.11	23.11	23.20	24.60
		3	2	23.17	23.17	23.11	24.60
		3	3	23.13	23.04	23.04	24.60
		6	0	22.25	22.27	22.15	23.60
	16QAM	1	0	22.42	22.45	22.51	23.60
		1	2	22.40	22.38	22.42	23.60
		1	5	22.33	22.27	22.34	23.60
		3	0	22.11	22.01	22.08	23.60
		3	2	22.16	22.11	22.19	23.60
		3	3	22.13	22.10	22.16	23.60
		6	0	21.19	21.18	21.28	22.60
	64QAM	1	0	21.43	21.41	21.39	22.60
		1	2	21.42	21.43	21.42	22.60
		1	5	21.31	21.33	21.27	22.60
		3	0	21.14	21.14	21.21	22.60
		3	2	21.24	21.29	21.38	22.60
		3	3	21.27	21.21	21.13	22.60
		6	0	20.23	20.25	20.24	21.60
	256QAM	1	0	18.39	18.44	18.45	19.60
		1	2	18.23	18.22	18.21	19.60
		1	5	18.30	18.29	18.26	19.60
		3	0	19.20	19.16	19.14	19.60
		3	2	19.22	19.23	19.20	19.60
		3	3	19.29	19.33	19.26	19.60
		6	0	18.01	18.22	18.28	19.60
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency(MHz)			Tune-up Limit
				19965/1711.5	20175/1732.5	20385/1753.5	
3MHz	QPSK	1	0	23.17	23.35	23.19	24.60
		1	7	23.10	23.14	23.15	24.60



		1	14	23.12	23.16	23.10	24.60
		8	0	22.21	22.23	22.33	23.60
		8	4	22.29	22.27	22.23	23.60
		8	7	22.23	22.15	22.14	23.60
		15	0	22.25	22.31	22.18	23.60
	16QAM	1	0	22.45	22.47	22.54	23.60
		1	7	22.43	22.38	22.46	23.60
		1	14	22.35	22.31	22.37	23.60
		8	0	21.22	21.14	21.20	22.60
		8	4	21.27	21.24	21.31	22.60
		8	7	21.23	21.22	21.29	22.60
	64QAM	15	0	21.22	21.22	21.31	22.60
		1	0	21.46	21.43	21.42	22.60
		1	7	21.45	21.43	21.44	22.60
		1	14	21.33	21.32	21.30	22.60
		8	0	20.25	20.27	20.33	21.60
		8	4	20.35	20.42	20.50	21.60
		8	7	20.37	20.33	20.26	21.60
	256QAM	15	0	20.26	20.29	20.27	21.60
		1	0	18.42	18.46	18.48	19.60
		1	7	18.26	18.22	18.23	19.60
1		14	18.32	18.28	18.29	19.60	
8		0	18.31	18.29	18.26	19.60	
8		4	18.33	18.36	18.32	19.60	
8		7	18.39	18.45	18.39	19.60	
		RB size	RB offset	Channel/Frequency(MHz)			Tune-up Limit
				19975/1712.5	20175/1732.5	20375/1752.5	
5MHz	QPSK	1	0	23.14	23.33	23.15	24.60
		1	13	23.08	23.10	23.12	24.60
		1	24	23.09	23.11	23.06	24.60
		12	0	22.18	22.18	22.29	23.60
		12	6	22.27	22.23	22.18	23.60
		12	13	22.21	22.13	22.10	23.60
		25	0	22.25	22.30	22.16	23.60
	16QAM	1	0	22.42	22.43	22.51	23.60
		1	13	22.40	22.36	22.43	23.60
		1	24	22.32	22.29	22.33	23.60
		12	0	21.20	21.10	21.17	22.60
		12	6	21.24	21.19	21.27	22.60
		12	13	21.20	21.17	21.25	22.60
25	0	21.20	21.18	21.26	22.60		
64QAM	1	0	21.43	21.43	21.39	22.60	



		1	13	21.42	21.45	21.41	22.60	
		1	24	21.34	21.30	21.26	22.60	
		12	0	20.23	20.23	20.34	21.60	
		12	6	20.32	20.37	20.46	21.60	
		12	13	20.34	20.28	20.22	21.60	
		25	0	20.24	20.25	20.22	21.60	
	256QAM	1	0	18.39	18.46	18.45	19.60	
		1	13	18.23	18.24	18.20	19.60	
		1	24	18.33	18.26	18.25	19.60	
		12	0	18.29	18.25	18.27	19.60	
		12	6	18.30	18.31	18.28	19.60	
		12	13	18.36	18.40	18.35	19.60	
			25	0	18.02	18.22	18.26	19.60
	Bandwidth	Modulation	RB size	RB offset	Channel/Frequency(MHz)			Tune-up Limit
20000/1715					20175/1732.5	20350/1750		
10MHz	QPSK	1	0	23.16	23.34	23.18	24.60	
		1	25	23.11	23.15	23.16	24.60	
		1	49	23.11	23.15	23.09	24.60	
		25	0	22.21	22.23	22.33	23.60	
		25	13	22.30	22.28	22.22	23.60	
		25	25	22.23	22.17	22.15	23.60	
		50	0	22.29	22.32	22.20	23.60	
	16QAM	1	0	22.44	22.46	22.53	23.60	
		1	25	22.43	22.40	22.46	23.60	
		1	49	22.35	22.31	22.36	23.60	
		25	0	21.23	21.15	21.21	22.60	
		25	13	21.26	21.23	21.30	22.60	
		25	25	21.23	21.22	21.29	22.60	
		50	0	21.23	21.23	21.30	22.60	
	64QAM	1	0	21.45	21.42	21.41	22.60	
		1	25	21.45	21.45	21.44	22.60	
		1	49	21.33	21.32	21.29	22.60	
		25	0	20.26	20.28	20.34	21.60	
		25	13	20.34	20.41	20.49	21.60	
		25	25	20.37	20.33	20.26	21.60	
		50	0	20.27	20.30	20.26	21.60	
	256QAM	1	0	18.41	18.45	18.47	19.60	
		1	25	18.26	18.24	18.23	19.60	
		1	49	18.32	18.28	18.28	19.60	
		25	0	18.32	18.30	18.27	19.60	
		25	13	18.32	18.35	18.31	19.60	
		25	25	18.39	18.45	18.39	19.60	
		50	0	18.05	18.27	18.30	19.60	



Bandwidth	Modulation	RB size	RB offset	Channel/Frequency(MHz)			Tune-up Limit
				20025/1717.5	20175/1732.5	20325/1747.5	
15MHz	QPSK	1	0	23.15	23.30	23.16	24.60
		1	38	23.09	23.14	23.13	24.60
		1	74	23.08	23.10	23.05	24.60
		36	0	22.19	22.19	22.30	23.60
		36	18	22.27	22.23	22.18	23.60
		36	39	22.20	22.14	22.11	23.60
		75	0	22.27	22.28	22.15	23.60
	16QAM	1	0	22.39	22.44	22.51	23.60
		1	38	22.41	22.37	22.44	23.60
		1	74	22.32	22.27	22.33	23.60
		36	0	21.20	21.13	21.18	22.60
		36	18	21.23	21.18	21.26	22.60
		36	39	21.21	21.18	21.26	22.60
		75	0	21.20	21.18	21.26	22.60
	64QAM	1	0	21.40	21.40	21.39	22.60
		1	38	21.43	21.42	21.42	22.60
		1	74	21.34	21.31	21.30	22.60
		36	0	20.25	20.30	20.35	21.60
		36	18	20.32	20.38	20.48	21.60
		36	39	20.35	20.29	20.23	21.60
		75	0	20.24	20.25	20.22	21.60
	256QAM	1	0	18.36	18.43	18.45	19.60
		1	38	18.24	18.21	18.21	19.60
		1	74	18.33	18.27	18.29	19.60
		36	0	18.31	18.32	18.28	19.60
		36	18	18.30	18.32	18.30	19.60
		36	39	18.37	18.41	18.36	19.60
		75	0	18.02	18.22	18.26	19.60
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency(MHz)			Tune-up Limit
20MHz	QPSK	1	0	23.12	23.26	23.13	24.60
		1	50	23.08	23.10	23.11	24.60
		1	99	23.06	23.09	23.02	24.60
		50	0	22.16	22.14	22.26	23.60
		50	25	22.25	22.19	22.15	23.60
		50	50	22.17	22.09	22.07	23.60
		100	0	22.24	22.23	22.11	23.60
	16QAM	1	0	22.44	22.40	22.46	23.60
		1	50	22.37	22.35	22.40	23.60
		1	99	22.30	22.24	22.31	23.60
		50	0	21.17	21.09	21.15	22.60



	64QAM	50	25	21.20	21.16	21.23	22.60
		50	50	21.18	21.13	21.22	22.60
		100	0	21.18	21.14	21.23	22.60
		1	0	21.38	21.36	21.34	22.60
		1	50	21.39	21.40	21.38	22.60
		1	99	21.28	21.25	21.24	22.60
		50	0	20.20	20.22	20.28	21.60
		50	25	20.28	20.34	20.42	21.60
		50	50	20.32	20.24	20.19	21.60
	100	0	20.22	20.21	20.19	21.60	
	256QAM	1	0	18.34	18.39	18.40	19.60
		1	50	18.20	18.19	18.17	19.60
		1	99	18.27	18.21	18.23	19.60
		50	0	18.26	18.24	18.21	19.60
		50	25	18.26	18.28	18.24	19.60
50		50	18.34	18.36	18.32	19.60	
100		0	18.00	18.18	18.23	19.60	

LTE FDD Band 4 Level1				Conducted Power(dBm)			Tune-up Limit
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			
				19957/1710.7	20175/1732.5	20393/1754.3	
1.4MHz	QPSK	1	0	18.75	18.60	18.74	20.00
		1	2	18.55	18.69	18.56	20.00
		1	5	18.66	18.79	18.72	20.00
		3	0	18.80	18.68	18.80	20.00
		3	2	18.81	18.65	18.81	20.00
		3	3	18.70	18.76	18.76	20.00
		6	0	18.86	18.67	18.85	20.00
	16QAM	1	0	19.19	19.16	19.05	20.00
		1	2	18.84	18.80	18.71	20.00
		1	5	18.83	18.76	18.85	20.00
		3	0	18.71	18.71	18.73	20.00
		3	2	18.86	18.82	18.81	20.00
		3	3	18.85	18.87	18.81	20.00
		6	0	18.83	18.84	18.87	20.00
	64QAM	1	0	18.93	18.86	18.88	20.00
		1	2	18.65	18.68	18.66	20.00
		1	5	18.92	18.82	18.80	20.00
		3	0	18.76	18.80	18.82	20.00
		3	2	18.74	18.75	18.81	20.00
		3	3	18.77	18.81	18.80	20.00
		6	0	18.75	18.73	18.76	20.00



Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit	
				19965/1711.5	20175/1732.5	20385/1753.5		
	256QAM	1	0	18.04	18.10	18.05	19.50	
		1	2	18.03	18.05	18.05	19.50	
		1	5	18.05	18.05	18.12	19.50	
		3	0	17.73	17.76	17.79	19.50	
		3	2	17.72	17.73	17.72	19.50	
		3	3	17.74	17.79	17.83	19.50	
		6	0	17.77	17.84	17.85	19.50	
3MHz	QPSK	1	0	18.77	18.64	18.77	20.00	
		1	7	18.55	18.71	18.60	20.00	
		1	14	18.69	18.84	18.76	20.00	
		8	0	18.84	18.75	18.87	20.00	
		8	4	18.84	18.73	18.87	20.00	
		8	7	18.74	18.81	18.80	20.00	
		15	0	18.88	18.71	18.88	20.00	
	16QAM	1	0	19.22	19.18	19.08	20.00	
		1	7	18.87	18.82	18.75	20.00	
		1	14	18.85	18.80	18.88	20.00	
		8	0	18.76	18.75	18.76	20.00	
		8	4	18.91	18.89	18.87	20.00	
		8	7	18.89	18.93	18.88	20.00	
		15	0	18.86	18.88	18.90	20.00	
	64QAM	1	0	18.96	18.88	18.91	20.00	
		1	7	18.68	18.70	18.70	20.00	
		1	14	18.94	18.86	18.83	20.00	
		8	0	18.81	18.84	18.85	20.00	
		8	4	18.79	18.82	18.87	20.00	
		8	7	18.81	18.87	18.87	20.00	
		15	0	18.77	18.79	18.81	20.00	
	256QAM	1	0	18.06	18.14	18.08	19.50	
		1	7	18.03	18.07	18.09	19.50	
		1	14	18.08	18.10	18.16	19.50	
		8	0	17.77	17.83	17.86	19.50	
		8	4	17.75	17.81	17.78	19.50	
		8	7	17.78	17.84	17.87	19.50	
		15	0	17.79	17.88	17.88	19.50	
	Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
					19975/1712.5	20175/1732.5	20375/1752.5	
	5MHz	QPSK	1	0	18.74	18.62	18.73	20.00
			1	13	18.53	18.67	18.57	20.00
1			24	18.66	18.79	18.72	20.00	
12			0	18.81	18.70	18.83	20.00	



		12	6	18.82	18.69	18.82	20.00	
		12	13	18.72	18.79	18.76	20.00	
		25	0	18.86	18.70	18.86	20.00	
	16QAM	1	0	19.19	19.14	19.05	20.00	
		1	13	18.84	18.80	18.72	20.00	
		1	24	18.82	18.78	18.84	20.00	
		12	0	18.74	18.71	18.73	20.00	
		12	6	18.88	18.84	18.83	20.00	
		12	13	18.86	18.88	18.84	20.00	
		25	0	18.84	18.84	18.85	20.00	
		64QAM	1	0	18.93	18.84	18.88	20.00
	1		13	18.65	18.68	18.67	20.00	
	1		24	18.91	18.84	18.79	20.00	
	12		0	18.79	18.80	18.82	20.00	
	12		6	18.76	18.77	18.83	20.00	
	12		13	18.78	18.82	18.83	20.00	
	25		0	18.75	18.75	18.76	20.00	
	256QAM	1	0	18.03	18.12	18.04	19.50	
		1	13	18.01	18.03	18.06	19.50	
		1	24	18.05	18.05	18.12	19.50	
		12	0	17.74	17.78	17.82	19.50	
		12	6	17.73	17.77	17.73	19.50	
		12	13	17.76	17.82	17.83	19.50	
		25	0	17.77	17.87	17.86	19.50	
	Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
					20000/1715	20175/1732.5	20350/1750	
	10MHz	QPSK	1	0	18.75	18.61	18.75	20.00
			1	25	18.54	18.71	18.59	20.00
1			49	18.67	18.81	18.74	20.00	
25			0	18.82	18.74	18.85	20.00	
25			13	18.84	18.72	18.85	20.00	
25			25	18.72	18.79	18.80	20.00	
50			0	18.86	18.71	18.87	20.00	
16QAM		1	0	19.18	19.12	19.05	20.00	
		1	25	18.86	18.83	18.70	20.00	
		1	49	18.83	18.76	18.86	20.00	
		25	0	18.72	18.75	18.74	20.00	
		25	13	18.87	18.83	18.84	20.00	
		25	25	18.88	18.92	18.83	20.00	
		50	0	18.83	18.86	18.85	20.00	
64QAM		1	0	18.93	18.83	18.89	20.00	
		1	25	18.67	18.70	18.67	20.00	
		1	49	18.91	18.81	18.80	20.00	



Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit	
				20025/1717.5	20175/1732.5	20325/1747.5		
	256QAM	25	0	18.81	18.84	18.81	20.00	
		25	13	18.74	18.78	18.82	20.00	
		25	25	18.79	18.83	18.86	20.00	
		50	0	18.77	18.78	18.77	20.00	
		1	0	18.04	18.11	18.06	19.50	
		1	25	18.02	18.07	18.08	19.50	
		1	49	18.06	18.07	18.14	19.50	
		25	0	17.75	17.82	17.84	19.50	
		25	13	17.75	17.80	17.76	19.50	
		25	25	17.76	17.82	17.87	19.50	
	50	0	17.77	17.88	17.87	19.50		
	15MHz	QPSK	1	0	18.75	18.59	18.74	20.00
			1	38	18.54	18.71	18.58	20.00
			1	74	18.65	18.78	18.71	20.00
36			0	18.82	18.71	18.84	20.00	
36			18	18.82	18.69	18.82	20.00	
36			39	18.71	18.80	18.77	20.00	
75			0	18.89	18.68	18.85	20.00	
16QAM		1	0	19.16	19.15	19.05	20.00	
		1	38	18.85	18.81	18.73	20.00	
		1	74	18.82	18.76	18.84	20.00	
		36	0	18.74	18.74	18.74	20.00	
		36	18	18.87	18.83	18.82	20.00	
		36	39	18.87	18.89	18.85	20.00	
		75	0	18.84	18.84	18.85	20.00	
64QAM		1	0	18.90	18.85	18.88	20.00	
		1	38	18.66	18.69	18.68	20.00	
		1	74	18.91	18.82	18.79	20.00	
		36	0	18.79	18.83	18.83	20.00	
		36	18	18.75	18.76	18.82	20.00	
		36	39	18.79	18.83	18.84	20.00	
		75	0	18.75	18.75	18.76	20.00	
256QAM		1	0	18.04	18.09	18.05	19.50	
		1	38	18.02	18.07	18.07	19.50	
		1	74	18.04	18.04	18.11	19.50	
		36	0	17.75	17.79	17.83	19.50	
		36	18	17.73	17.77	17.73	19.50	
		36	39	17.75	17.83	17.84	19.50	
		75	0	17.80	17.85	17.85	19.50	
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit	
				20050/1720	20175/1732.5	20300/1745		



20MHz	QPSK	1	0	18.72	18.55	18.71	20.00
		1	50	18.53	18.67	18.56	20.00
		1	99	18.63	18.77	18.68	20.00
		50	0	18.79	18.66	18.80	20.00
		50	25	18.80	18.65	18.79	20.00
		50	50	18.68	18.75	18.73	20.00
		100	0	18.86	18.63	18.81	20.00
	16QAM	1	0	19.14	19.11	19.00	20.00
		1	50	18.81	18.79	18.69	20.00
		1	99	18.80	18.73	18.82	20.00
		50	0	18.71	18.70	18.71	20.00
		50	25	18.84	18.81	18.79	20.00
		50	50	18.84	18.84	18.81	20.00
		100	0	18.82	18.80	18.82	20.00
	64QAM	1	0	18.88	18.81	18.83	20.00
		1	50	18.62	18.67	18.64	20.00
		1	99	18.89	18.79	18.77	20.00
		50	0	18.76	18.79	18.80	20.00
		50	25	18.72	18.74	18.79	20.00
		50	50	18.76	18.78	18.80	20.00
		100	0	18.73	18.71	18.73	20.00
	256QAM	1	0	18.01	18.05	18.02	19.50
		1	50	18.01	18.03	18.05	19.50
		1	99	18.02	18.03	18.08	19.50
		50	0	17.72	17.74	17.79	19.50
		50	25	17.71	17.73	17.70	19.50
		50	50	17.72	17.78	17.80	19.50
		100	0	17.77	17.80	17.81	19.50

LTE FDD Band 4 Level4				Conducted Power(dBm)			Tune-up Limit
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			
				19957/1710.7	20175/1732.5	20393/1754.3	
1.4MHz	QPSK	1	0	16.71	16.83	16.62	18.00
		1	2	16.60	16.72	16.47	18.00
		1	5	16.56	16.71	16.47	18.00
		3	0	16.70	16.75	16.69	18.00
		3	2	16.70	16.68	16.60	18.00
		3	3	16.66	16.64	16.49	18.00
		6	0	16.65	16.69	16.66	18.00
	16QAM	1	0	16.98	17.18	17.27	18.00
		1	2	16.97	17.10	17.22	18.00
		1	5	16.67	17.16	17.24	18.00



		3	0	16.92	16.60	16.70	18.00	
		3	2	16.69	16.65	16.76	18.00	
		3	3	16.95	16.66	16.73	18.00	
		6	0	16.85	16.65	16.68	18.00	
	64QAM	1	0	17.25	16.85	17.23	18.00	
		1	2	17.16	17.00	17.16	18.00	
		1	5	17.18	16.52	16.59	18.00	
		3	0	16.65	16.93	17.03	18.00	
		3	2	16.67	16.67	16.81	18.00	
		3	3	16.64	16.67	16.73	18.00	
		6	0	16.58	16.87	16.93	18.00	
	256QAM	1	0	17.08	16.95	17.04	18.00	
		1	2	17.01	16.87	16.93	18.00	
		1	5	16.51	16.60	16.74	18.00	
		3	0	16.95	16.90	16.97	18.00	
		3	2	16.65	16.61	16.71	18.00	
		3	3	16.63	16.91	17.02	18.00	
		6	0	16.78	16.85	16.88	18.00	
	Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
					19965/1711.5	20175/1732.5	20385/1753.5	
	3MHz	QPSK	1	0	16.67	16.75	16.57	18.00
1			7	16.57	16.67	16.42	18.00	
1			14	16.51	16.65	16.40	18.00	
8			0	16.65	16.66	16.62	18.00	
8			4	16.65	16.59	16.53	18.00	
8			7	16.60	16.56	16.41	18.00	
15			0	16.60	16.60	16.57	18.00	
16QAM		1	0	16.93	17.12	17.20	18.00	
		1	7	16.91	17.05	17.16	18.00	
		1	14	16.62	17.09	17.19	18.00	
		8	0	16.86	16.54	16.64	18.00	
		8	4	16.63	16.58	16.69	18.00	
		8	7	16.90	16.57	16.66	18.00	
		15	0	16.80	16.56	16.61	18.00	
64QAM		1	0	17.18	16.79	17.16	18.00	
		1	7	17.10	16.95	17.10	18.00	
		1	14	17.13	16.45	16.54	18.00	
		8	0	16.59	16.87	16.97	18.00	
		8	4	16.61	16.60	16.74	18.00	
		8	7	16.59	16.58	16.66	18.00	
		15	0	16.53	16.78	16.86	18.00	
256QAM		1	0	17.05	16.91	17.01	18.00	
		1	7	17.00	16.83	16.91	18.00	



Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				19975/1712.5	20175/1732.5	20375/1752.5	
		1	14	16.49	16.59	16.71	18.00
		8	0	16.92	16.85	16.93	18.00
		8	4	16.63	16.57	16.68	18.00
		8	7	16.60	16.86	16.98	18.00
		15	0	16.75	16.80	16.84	18.00
5MHz	QPSK	1	0	16.64	16.73	16.53	18.00
		1	13	16.55	16.63	16.39	18.00
		1	24	16.48	16.60	16.36	18.00
		12	0	16.62	16.61	16.58	18.00
		12	6	16.63	16.55	16.48	18.00
		12	13	16.58	16.54	16.37	18.00
		25	0	16.60	16.59	16.55	18.00
	16QAM	1	0	16.90	17.08	17.17	18.00
		1	13	16.88	17.03	17.13	18.00
		1	24	16.59	17.07	17.15	18.00
		12	0	16.84	16.50	16.61	18.00
		12	6	16.60	16.53	16.65	18.00
		12	13	16.87	16.52	16.62	18.00
		25	0	16.78	16.52	16.56	18.00
	64QAM	1	0	17.15	16.79	17.13	18.00
		1	13	17.07	16.97	17.07	18.00
		1	24	17.14	16.43	16.50	18.00
		12	0	16.57	16.83	16.98	18.00
		12	6	16.58	16.55	16.70	18.00
		12	13	16.56	16.53	16.62	18.00
		25	0	16.51	16.74	16.81	18.00
	256QAM	1	0	17.02	16.89	16.97	18.00
		1	13	16.98	16.79	16.88	18.00
		1	24	16.46	16.54	16.67	18.00
		12	0	16.89	16.80	16.89	18.00
		12	6	16.61	16.53	16.63	18.00
		12	13	16.58	16.84	16.94	18.00
		25	0	16.75	16.79	16.82	18.00
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				20000/1715	20175/1732.5	20350/1750	
10MHz	QPSK	1	0	16.66	16.74	16.56	18.00
		1	25	16.58	16.68	16.43	18.00
		1	49	16.50	16.64	16.39	18.00
		25	0	16.65	16.66	16.62	18.00
		25	13	16.66	16.60	16.52	18.00
		25	25	16.60	16.58	16.42	18.00



	16QAM	50	0	16.64	16.61	16.59	18.00	
		1	0	16.92	17.11	17.19	18.00	
		1	25	16.91	17.07	17.16	18.00	
		1	49	16.62	17.09	17.18	18.00	
		25	0	16.87	16.55	16.65	18.00	
		25	13	16.62	16.57	16.68	18.00	
		25	25	16.90	16.57	16.66	18.00	
		50	0	16.81	16.57	16.60	18.00	
	64QAM	1	0	17.17	16.78	17.15	18.00	
		1	25	17.10	16.97	17.10	18.00	
		1	49	17.13	16.45	16.53	18.00	
		25	0	16.60	16.88	16.98	18.00	
		25	13	16.60	16.59	16.73	18.00	
		25	25	16.59	16.58	16.66	18.00	
		50	0	16.54	16.79	16.85	18.00	
	256QAM	1	0	17.04	16.90	17.00	18.00	
		1	25	17.01	16.84	16.92	18.00	
		1	49	16.48	16.58	16.70	18.00	
		25	0	16.92	16.85	16.93	18.00	
		25	13	16.64	16.58	16.67	18.00	
		25	25	16.60	16.88	16.99	18.00	
		50	0	16.79	16.81	16.86	18.00	
	Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
					20025/1717.5	20175/1732.5	20325/1747.5	
	15MHz	QPSK	1	0	16.65	16.70	16.54	18.00
			1	38	16.56	16.67	16.40	18.00
			1	74	16.47	16.59	16.35	18.00
			36	0	16.63	16.62	16.59	18.00
36			18	16.63	16.55	16.48	18.00	
36			39	16.57	16.55	16.38	18.00	
75			0	16.62	16.57	16.54	18.00	
16QAM		1	0	16.87	17.09	17.17	18.00	
		1	38	16.89	17.04	17.14	18.00	
		1	74	16.59	17.05	17.15	18.00	
		36	0	16.84	16.53	16.62	18.00	
		36	18	16.59	16.52	16.64	18.00	
		36	39	16.88	16.53	16.63	18.00	
		75	0	16.78	16.52	16.56	18.00	
64QAM		1	0	17.12	16.76	17.13	18.00	
		1	38	17.08	16.94	17.08	18.00	
		1	74	17.14	16.44	16.54	18.00	
		36	0	16.59	16.90	16.99	18.00	
		36	18	16.58	16.56	16.72	18.00	



		36	39	16.57	16.54	16.63	18.00
		75	0	16.51	16.74	16.81	18.00
	256QAM	1	0	17.03	16.86	16.98	18.00
		1	38	16.99	16.83	16.89	18.00
		1	74	16.45	16.53	16.66	18.00
		36	0	16.90	16.81	16.90	18.00
		36	18	16.61	16.53	16.63	18.00
		36	39	16.57	16.85	16.95	18.00
		75	0	16.77	16.77	16.81	18.00
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				20050/1720	20175/1732.5	20300/1745	
20MHz	QPSK	1	0	16.62	16.66	16.51	18.00
		1	50	16.55	16.63	16.38	18.00
		1	99	16.45	16.58	16.32	18.00
		50	0	16.60	16.57	16.55	18.00
		50	25	16.61	16.51	16.45	18.00
		50	50	16.54	16.50	16.34	18.00
		100	0	16.59	16.52	16.50	18.00
	16QAM	1	0	16.90	17.05	17.12	18.00
		1	50	16.85	17.02	17.10	18.00
		1	99	16.57	17.02	17.13	18.00
		50	0	16.81	16.49	16.59	18.00
		50	25	16.56	16.50	16.61	18.00
		50	50	16.85	16.48	16.59	18.00
		100	0	16.76	16.48	16.53	18.00
	64QAM	1	0	17.10	16.72	17.08	18.00
		1	50	17.04	16.92	17.04	18.00
		1	99	17.08	16.38	16.48	18.00
		50	0	16.54	16.82	16.92	18.00
		50	25	16.54	16.52	16.66	18.00
		50	50	16.54	16.49	16.59	18.00
		100	0	16.49	16.70	16.78	18.00
	256QAM	1	0	17.00	16.82	16.95	18.00
		1	50	16.98	16.79	16.87	18.00
		1	99	16.43	16.52	16.63	18.00
		50	0	16.87	16.76	16.86	18.00
		50	25	16.59	16.49	16.60	18.00
		50	50	16.54	16.80	16.91	18.00
		100	0	16.74	16.72	16.77	18.00

LTE FDD Band 4 Level3&Level5				Conducted Power(dBm)			Tune-up Limit
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			



				19957/1710.7	20175/1732.5	20393/1754.3		
1.4MHz	QPSK	1	0	20.91	20.88	20.80	21.60	
		1	2	20.75	20.69	20.81	21.60	
		1	5	20.57	20.67	20.66	21.60	
		3	0	20.80	20.85	20.77	21.60	
		3	2	20.81	20.64	20.89	21.60	
		3	3	20.78	20.82	20.75	21.60	
		6	0	20.77	20.82	20.82	21.60	
	16QAM	1	0	21.20	21.16	21.18	21.60	
		1	2	20.80	20.79	20.75	21.60	
		1	5	20.91	20.90	20.91	21.60	
		3	0	20.82	20.85	20.85	21.60	
		3	2	20.73	20.74	20.73	21.60	
		3	3	20.78	20.79	20.77	21.60	
		6	0	20.72	20.76	20.76	21.60	
	64QAM	1	0	21.03	21.00	20.97	21.60	
		1	2	20.70	20.70	20.68	21.60	
		1	5	21.17	21.20	21.18	21.60	
		3	0	19.77	19.74	19.73	21.60	
		3	2	19.73	19.71	19.65	21.60	
		3	3	19.73	19.74	19.69	21.60	
		6	0	19.79	19.77	19.74	21.60	
	256QAM	1	0	18.25	18.26	18.25	19.50	
		1	2	18.09	18.08	18.09	19.50	
		1	5	18.12	17.96	17.93	19.50	
		3	0	17.78	17.81	17.78	19.50	
		3	2	17.87	17.85	17.82	19.50	
		3	3	17.71	17.76	17.69	19.50	
		6	0	17.77	17.79	17.84	19.50	
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit	
				19965/1711.5	20175/1732.5	20385/1753.5		
3MHz	QPSK	1	0	20.93	20.92	20.83	21.60	
		1	7	20.75	20.71	20.85	21.60	
		1	14	20.60	20.72	20.70	21.60	
		8	0	20.84	20.92	20.84	21.60	
		8	4	20.84	20.72	20.95	21.60	
		8	7	20.82	20.87	20.79	21.60	
		15	0	20.79	20.86	20.85	21.60	
	16QAM	1	0	21.23	21.18	21.21	21.60	
		1	7	20.83	20.81	20.79	21.60	
		1	14	20.93	20.94	20.94	21.60	
		8	0	20.87	20.89	20.88	21.60	
		8	4	20.78	20.81	20.79	21.60	



Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit	
				19975/1712.5	20175/1732.5	20375/1752.5		
5MHz	64QAM	8	7	20.82	20.85	20.84	21.60	
		15	0	20.75	20.80	20.79	21.60	
		1	0	21.06	21.02	21.00	21.60	
		1	7	20.73	20.72	20.72	21.60	
		1	14	21.19	21.24	21.21	21.60	
		8	0	19.82	19.78	19.76	21.60	
		8	4	19.78	19.78	19.71	21.60	
		8	7	19.77	19.80	19.76	21.60	
		15	0	19.81	19.83	19.79	21.60	
		256QAM	1	0	18.27	18.30	18.28	19.50
			1	7	18.09	18.10	18.13	19.50
			1	14	18.15	18.01	17.97	19.50
			8	0	17.82	17.88	17.85	19.50
			8	4	17.90	17.93	17.88	19.50
	8		7	17.75	17.81	17.73	19.50	
	15		0	17.79	17.83	17.87	19.50	
	5MHz	QPSK	1	0	20.90	20.90	20.79	21.60
			1	13	20.73	20.67	20.82	21.60
			1	24	20.57	20.67	20.66	21.60
			12	0	20.81	20.87	20.80	21.60
			12	6	20.82	20.68	20.90	21.60
			12	13	20.80	20.85	20.75	21.60
			25	0	20.77	20.85	20.83	21.60
		16QAM	1	0	21.20	21.14	21.18	21.60
			1	13	20.80	20.79	20.76	21.60
			1	24	20.90	20.92	20.90	21.60
			12	0	20.85	20.85	20.85	21.60
			12	6	20.75	20.76	20.75	21.60
12			13	20.79	20.80	20.80	21.60	
25			0	20.73	20.76	20.74	21.60	
64QAM		1	0	21.03	20.98	20.97	21.60	
		1	13	20.70	20.70	20.69	21.60	
		1	24	21.16	21.22	21.17	21.60	
		12	0	19.80	19.74	19.73	21.60	
		12	6	19.75	19.73	19.67	21.60	
		12	13	19.74	19.75	19.72	21.60	
		25	0	19.79	19.79	19.74	21.60	
256QAM		1	0	18.24	18.28	18.24	19.50	
		1	13	18.07	18.06	18.10	19.50	
		1	24	18.12	17.96	17.93	19.50	
		12	0	17.79	17.83	17.81	19.50	



		12	6	17.88	17.89	17.83	19.50	
		12	13	17.73	17.79	17.69	19.50	
		25	0	17.77	17.82	17.85	19.50	
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit	
				20000/1715	20175/1732.5	20350/1750		
10MHz	QPSK	1	0	20.91	20.89	20.81	21.60	
		1	25	20.74	20.71	20.84	21.60	
		1	49	20.58	20.69	20.68	21.60	
		25	0	20.82	20.91	20.82	21.60	
		25	13	20.84	20.71	20.93	21.60	
		25	25	20.80	20.85	20.79	21.60	
		50	0	20.77	20.86	20.84	21.60	
	16QAM	1	0	21.19	21.12	21.18	21.60	
		1	25	20.82	20.82	20.74	21.60	
		1	49	20.91	20.90	20.92	21.60	
		25	0	20.83	20.89	20.86	21.60	
		25	13	20.74	20.75	20.76	21.60	
		25	25	20.81	20.84	20.79	21.60	
		50	0	20.72	20.78	20.74	21.60	
	64QAM	1	0	21.03	20.97	20.98	21.60	
		1	25	20.72	20.72	20.69	21.60	
		1	49	21.16	21.19	21.18	21.60	
		25	0	19.82	19.78	19.72	21.60	
		25	13	19.73	19.74	19.66	21.60	
		25	25	19.75	19.76	19.75	21.60	
		50	0	19.81	19.82	19.75	21.60	
	256QAM	1	0	18.25	18.27	18.26	19.50	
		1	25	18.08	18.10	18.12	19.50	
		1	49	18.13	17.98	17.95	19.50	
		25	0	17.80	17.87	17.83	19.50	
		25	13	17.90	17.92	17.86	19.50	
		25	25	17.73	17.79	17.73	19.50	
		50	0	17.77	17.83	17.86	19.50	
	Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
					20025/1717.5	20175/1732.5	20325/1747.5	
15MHz	QPSK	1	0	20.91	20.87	20.80	21.60	
		1	38	20.74	20.71	20.83	21.60	
		1	74	20.56	20.66	20.65	21.60	
		36	0	20.82	20.88	20.81	21.60	
		36	18	20.82	20.68	20.90	21.60	
		36	39	20.79	20.86	20.76	21.60	
		75	0	20.80	20.83	20.82	21.60	
	16QAM	1	0	21.17	21.15	21.18	21.60	



		1	38	20.81	20.80	20.77	21.60
		1	74	20.90	20.90	20.90	21.60
		36	0	20.85	20.88	20.86	21.60
		36	18	20.74	20.75	20.74	21.60
		36	39	20.80	20.81	20.81	21.60
		75	0	20.73	20.76	20.74	21.60
		75	0	20.73	20.76	20.74	21.60
	64QAM	1	0	21.00	20.99	20.97	21.60
		1	38	20.71	20.71	20.70	21.60
		1	74	21.16	21.20	21.17	21.60
		36	0	19.80	19.77	19.74	21.60
		36	18	19.74	19.72	19.66	21.60
		36	39	19.75	19.76	19.73	21.60
		75	0	19.79	19.79	19.74	21.60
	256QAM	1	0	18.25	18.25	18.25	19.50
		1	38	18.08	18.10	18.11	19.50
		1	74	18.11	17.95	17.92	19.50
		36	0	17.80	17.84	17.82	19.50
		36	18	17.88	17.89	17.83	19.50
		36	39	17.72	17.80	17.70	19.50
		75	0	17.80	17.80	17.84	19.50
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				20050/1720	20175/1732.5	20300/1745	
20MHz	QPSK	1	0	20.88	20.83	20.77	21.60
		1	50	20.73	20.67	20.81	21.60
		1	99	20.54	20.65	20.62	21.60
		50	0	20.79	20.83	20.77	21.60
		50	25	20.80	20.64	20.87	21.60
		50	50	20.76	20.81	20.72	21.60
		100	0	20.77	20.78	20.78	21.60
	16QAM	1	0	21.15	21.11	21.13	21.60
		1	50	20.77	20.78	20.73	21.60
		1	99	20.88	20.87	20.88	21.60
		50	0	20.82	20.84	20.83	21.60
		50	25	20.71	20.73	20.71	21.60
		50	50	20.77	20.76	20.77	21.60
		100	0	20.71	20.72	20.71	21.60
	64QAM	1	0	20.98	20.95	20.92	21.60
		1	50	20.67	20.69	20.66	21.60
		1	99	21.14	21.17	21.15	21.60
		50	0	19.77	19.73	19.71	21.60
		50	25	19.71	19.70	19.63	21.60
		50	50	19.72	19.71	19.69	21.60
		100	0	19.77	19.75	19.71	21.60



256QAM	1	0	18.22	18.21	18.22	19.50
	1	50	18.07	18.06	18.09	19.50
	1	99	18.09	17.94	17.89	19.50
	50	0	17.77	17.79	17.78	19.50
	50	25	17.86	17.85	17.80	19.50
	50	50	17.69	17.75	17.66	19.50
	100	0	17.77	17.75	17.80	19.50

ANT 6

LTE FDD Band 5 Full Power&Level2&Level3&Level5				Conducted Power(dBm)			Tune-up Limit
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			
				20407/824.7	20525/836.5	20643/848.3	
1.4MHz	QPSK	1	0	23.15	23.31	23.16	24.80
		1	2	23.12	23.11	23.11	24.80
		1	5	23.09	23.11	23.06	24.80
		3	0	23.11	23.11	23.20	24.80
		3	2	23.17	23.17	23.11	24.80
		3	3	23.13	23.04	23.04	24.80
		6	0	22.25	22.27	22.15	23.80
	16QAM	1	0	22.42	22.45	22.51	23.80
		1	2	22.40	22.38	22.42	23.80
		1	5	22.33	22.27	22.34	23.80
		3	0	22.11	22.01	22.08	23.80
		3	2	22.16	22.11	22.19	23.80
		3	3	22.13	22.10	22.16	23.80
		6	0	21.19	21.18	21.28	22.80
	64QAM	1	0	21.43	21.41	21.39	22.80
		1	2	21.42	21.43	21.42	22.80
		1	5	21.31	21.33	21.27	22.80
		3	0	21.14	21.14	21.21	22.80
		3	2	21.24	21.29	21.38	22.80
		3	3	21.27	21.21	21.13	22.80
		6	0	20.23	20.25	20.24	21.80
	256QAM	1	0	18.37	18.44	18.31	19.80
		1	2	18.32	18.31	18.25	19.80
		1	5	18.04	18.12	18.08	19.80
		3	0	19.26	19.27	19.29	19.80
		3	2	19.32	19.32	19.36	19.80
		3	3	19.30	19.37	19.36	19.80
		6	0	18.31	18.31	18.31	19.80
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				20415/825.5	20525/836.5	20635/847.5	
3MHz	QPSK	1	0	23.17	23.35	23.19	24.80
		1	7	23.10	23.14	23.15	24.80
		1	14	23.12	23.16	23.10	24.80
		8	0	22.21	22.23	22.33	23.80
		8	4	22.29	22.27	22.23	23.80
		8	7	22.23	22.15	22.14	23.80
		15	0	22.25	22.31	22.18	23.80



	16QAM	1	0	22.45	22.47	22.54	23.80
		1	7	22.43	22.38	22.46	23.80
		1	14	22.35	22.31	22.37	23.80
		8	0	21.22	21.14	21.20	22.80
		8	4	21.27	21.24	21.31	22.80
		8	7	21.23	21.22	21.29	22.80
		15	0	21.22	21.22	21.31	22.80
	64QAM	1	0	21.46	21.43	21.42	22.80
		1	7	21.45	21.43	21.44	22.80
		1	14	21.33	21.32	21.30	22.80
		8	0	20.25	20.27	20.33	21.80
		8	4	20.35	20.42	20.50	21.80
		8	7	20.37	20.33	20.26	21.80
		15	0	20.26	20.29	20.27	21.80
	256QAM	1	0	18.40	18.46	18.34	19.80
		1	7	18.35	18.31	18.27	19.80
		1	14	18.06	18.11	18.11	19.80
		8	0	18.37	18.40	18.41	19.80
		8	4	18.43	18.45	18.48	19.80
		8	7	18.40	18.49	18.49	19.80
		15	0	18.34	18.35	18.34	19.80
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				20425/826.5	20525/836.5	20625/846.5	
5MHz	QPSK	1	0	23.14	23.33	23.15	24.80
		1	13	23.08	23.10	23.12	24.80
		1	24	23.09	23.11	23.06	24.80
		12	0	22.18	22.18	22.29	23.80
		12	6	22.27	22.23	22.18	23.80
		12	13	22.21	22.13	22.10	23.80
		25	0	22.25	22.30	22.16	23.80
	16QAM	1	0	22.42	22.43	22.51	23.80
		1	13	22.40	22.36	22.43	23.80
		1	24	22.32	22.29	22.33	23.80
		12	0	21.20	21.10	21.17	22.80
		12	6	21.24	21.19	21.27	22.80
		12	13	21.20	21.17	21.25	22.80
		25	0	21.20	21.18	21.26	22.80
	64QAM	1	0	21.43	21.43	21.39	22.80
		1	13	21.42	21.45	21.41	22.80
		1	24	21.34	21.30	21.26	22.80
		12	0	20.23	20.23	20.34	21.80
		12	6	20.32	20.37	20.46	21.80
		12	13	20.34	20.28	20.22	21.80



	256QAM	25	0	20.24	20.25	20.22	21.80
		1	0	18.34	18.43	18.31	19.80
		1	13	18.33	18.30	18.25	19.80
		1	24	18.07	18.10	18.11	19.80
		12	0	18.37	18.43	18.43	19.80
		12	6	18.40	18.41	18.46	19.80
		12	13	18.38	18.45	18.46	19.80
		25	0	18.32	18.31	18.29	19.80
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				20450/829	20525/836.5	20600/844	
10MHz	QPSK	1	0	23.19	23.08	23.11	24.80
		1	25	23.18	22.99	23.07	24.80
		1	49	23.07	23.03	23.08	24.80
		25	0	22.22	22.15	22.10	23.80
		25	13	22.15	22.17	22.08	23.80
		25	25	22.12	22.23	22.14	23.80
		50	0	22.14	22.21	22.10	23.80
	16QAM	1	0	22.35	22.32	22.30	23.80
		1	25	22.30	22.31	22.27	23.80
		1	49	22.28	22.28	22.22	23.80
		25	0	21.20	21.22	21.17	22.80
		25	13	21.20	21.20	21.16	22.80
		25	25	21.22	21.23	21.20	22.80
		50	0	21.13	21.13	21.11	22.80
	64QAM	1	0	21.36	21.33	21.32	22.80
		1	25	21.08	21.06	21.12	22.80
		1	49	21.25	21.23	21.19	22.80
		25	0	21.20	21.14	21.17	21.80
		25	13	20.29	20.38	20.32	21.80
		25	25	20.46	20.43	20.53	21.80
		50	0	20.45	20.41	20.42	21.80
	256QAM	1	0	18.32	18.39	18.26	19.80
		1	25	18.29	18.28	18.21	19.80
		1	49	18.01	18.04	18.05	19.80
		25	0	18.32	18.35	18.36	19.80
		25	13	18.36	18.37	18.40	19.80
		25	25	18.35	18.40	18.42	19.80
		50	0	18.30	18.27	18.26	19.80

LTE FDD Band 5 Level1&Level4				Conducted Power(dBm)			Tune-up Limit
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			



1.4MHz	QPSK	1	0	20.81	20.73	20.66	22.50
		1	2	20.73	20.72	20.57	22.50
		1	5	20.71	20.77	20.64	22.50
		3	0	20.92	20.83	20.83	22.50
		3	2	20.98	20.81	20.79	22.50
		3	3	20.92	20.89	20.88	22.50
		6	0	20.87	20.83	20.77	22.50
	16QAM	1	0	21.08	21.03	21.04	22.50
		1	2	21.31	21.20	21.17	22.50
		1	5	21.15	20.99	21.02	22.50
		3	0	20.84	20.78	20.73	22.50
		3	2	21.03	20.84	20.90	22.50
		3	3	20.98	20.91	20.84	22.50
		6	0	20.89	20.83	20.80	22.50
	64QAM	1	0	21.09	20.97	20.96	22.50
		1	2	20.71	20.53	20.57	22.50
		1	5	21.15	20.97	21.02	22.50
		3	0	19.70	19.82	19.85	21.50
		3	2	19.71	19.82	19.84	21.50
		3	3	19.73	19.91	19.85	21.50
		6	0	19.82	19.93	19.96	21.50
	256QAM	1	0	18.02	18.18	18.15	19.50
		1	2	17.65	17.60	17.56	19.50
		1	5	17.66	17.93	17.60	19.50
		3	0	17.65	17.86	17.77	19.50
		3	2	17.58	17.85	17.72	19.50
		3	3	17.73	17.88	18.07	19.50
		6	0	17.74	17.85	17.91	19.50
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				20415/825.5	20525/836.5	20635/847.5	
3MHz	QPSK	1	0	20.81	20.74	20.67	22.50
		1	7	20.72	20.74	20.60	22.50
		1	14	20.72	20.79	20.66	22.50
		8	0	20.94	20.89	20.88	22.50
		8	4	21.01	20.88	20.83	22.50
		8	7	20.94	20.92	20.92	22.50
		15	0	20.87	20.87	20.79	22.50
	16QAM	1	0	21.07	20.99	21.04	22.50
		1	7	21.33	21.23	21.16	22.50
		1	14	21.15	20.99	21.03	22.50
		8	0	20.85	20.82	20.74	22.50
		8	4	21.04	20.85	20.93	22.50
		8	7	21.01	20.96	20.86	22.50



Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				20425/826.5	20525/836.5	20625/846.5	
	64QAM	15	0	20.89	20.85	20.78	22.50
		1	0	21.09	20.94	20.97	22.50
		1	7	20.73	20.55	20.58	22.50
		1	14	21.14	20.96	21.02	22.50
		8	0	19.75	19.86	19.84	21.50
		8	4	19.71	19.85	19.85	21.50
		8	7	19.75	19.93	19.91	21.50
		15	0	19.84	19.98	19.97	21.50
	256QAM	1	0	18.02	18.19	18.16	19.50
		1	7	17.64	17.62	17.59	19.50
		1	14	17.67	17.95	17.62	19.50
		8	0	17.67	17.92	17.82	19.50
		8	4	17.61	17.92	17.76	19.50
		8	7	17.75	17.91	18.11	19.50
		15	0	17.74	17.89	17.93	19.50
5MHz	QPSK	1	0	20.81	20.72	20.66	22.50
		1	13	20.72	20.74	20.59	22.50
		1	24	20.70	20.76	20.63	22.50
		12	0	20.94	20.86	20.87	22.50
		12	6	20.99	20.85	20.80	22.50
		12	13	20.93	20.93	20.89	22.50
		25	0	20.90	20.84	20.77	22.50
	16QAM	1	0	21.05	21.02	21.04	22.50
		1	13	21.32	21.21	21.19	22.50
		1	24	21.14	20.99	21.01	22.50
		12	0	20.87	20.81	20.74	22.50
		12	6	21.04	20.85	20.91	22.50
		12	13	21.00	20.93	20.88	22.50
		25	0	20.90	20.83	20.78	22.50
	64QAM	1	0	21.06	20.96	20.96	22.50
		1	13	20.72	20.54	20.59	22.50
		1	24	21.14	20.97	21.01	22.50
		12	0	19.73	19.85	19.86	21.50
		12	6	19.72	19.83	19.85	21.50
		12	13	19.75	19.93	19.89	21.50
		25	0	19.82	19.95	19.96	21.50
	256QAM	1	0	18.02	18.17	18.15	19.50
		1	13	17.64	17.62	17.58	19.50
		1	24	17.65	17.92	17.59	19.50
		12	0	17.67	17.89	17.81	19.50
		12	6	17.59	17.89	17.73	19.50



Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				20450/829	20525/836.5	20600/844	
						12	
		25	0	17.77	17.86	17.91	19.50
10MHz	QPSK	1	0	20.78	20.68	20.63	22.50
		1	25	20.71	20.70	20.57	22.50
		1	49	20.68	20.75	20.60	22.50
		25	0	20.91	20.81	20.83	22.50
		25	13	20.97	20.81	20.77	22.50
		25	25	20.90	20.88	20.85	22.50
		50	0	20.87	20.79	20.73	22.50
	16QAM	1	0	21.03	20.98	20.99	22.50
		1	25	21.28	21.19	21.15	22.50
		1	49	21.12	20.96	20.99	22.50
		25	0	20.84	20.77	20.71	22.50
		25	13	21.01	20.83	20.88	22.50
		25	25	20.97	20.88	20.84	22.50
		50	0	20.88	20.79	20.75	22.50
	64QAM	1	0	21.04	20.92	20.91	22.50
		1	25	20.68	20.52	20.55	22.50
		1	49	21.12	20.94	20.99	22.50
		25	0	19.70	19.81	19.83	21.50
		25	13	19.69	19.81	19.82	21.50
		25	25	19.72	19.88	19.85	21.50
		50	0	19.80	19.91	19.93	21.50
	256QAM	1	0	17.99	18.13	18.12	19.50
		1	25	17.63	17.58	17.56	19.50
		1	49	17.63	17.91	17.56	19.50
		25	0	17.64	17.84	17.77	19.50
		25	13	17.57	17.85	17.70	19.50
		25	25	17.71	17.87	18.04	19.50
		50	0	17.74	17.81	17.87	19.50



ANT 3

LTE FDD Band 7 Full Power&Level1&Level2&Level4&Level6-D2				Conducted Power(dBm)			Tune-up Limit
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			
				20775/2502.5	21100/2535	21425/2567.5	
5MHz	QPSK	1	0	22.75	22.91	22.97	24.70
		1	13	23.01	22.99	23.03	24.70
		1	24	23.14	23.06	23.27	24.70
		12	0	22.00	22.15	22.22	23.70
		12	6	21.97	22.12	22.21	23.70
		12	13	22.06	22.08	22.16	23.70
		25	0	21.98	22.09	22.17	23.70
	16QAM	1	0	22.26	22.16	22.26	23.70
		1	13	22.24	22.19	22.27	23.70
		1	24	22.35	22.32	22.34	23.70
		12	0	21.16	21.11	21.17	22.70
		12	6	21.15	21.10	21.18	22.70
		12	13	21.17	21.17	21.21	22.70
		25	0	21.09	21.09	21.12	22.70
	64QAM	1	0	21.56	21.59	21.56	22.70
		1	13	21.41	21.46	21.49	22.70
		1	24	21.48	21.43	21.36	22.70
		12	0	20.57	20.61	20.70	21.70
		12	6	20.64	20.55	20.52	21.70
		12	13	20.55	20.64	20.51	21.70
		25	0	20.37	20.37	20.44	21.70
	256QAM	1	0	18.23	18.41	18.27	19.70
		1	13	18.26	18.25	18.29	19.70
		1	24	18.24	18.26	18.43	19.70
		12	0	18.19	18.23	18.31	19.70
		12	6	18.24	18.24	18.35	19.70
		12	13	18.25	18.24	18.30	19.70
		25	0	18.09	18.29	18.31	19.70
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				20800/2505	21100/2535	21400/2565	
10MHz	QPSK	1	0	23.19	23.08	23.11	24.70
		1	25	23.18	22.99	23.07	24.70
		1	49	23.07	23.03	23.08	24.70
		25	0	22.22	22.15	22.10	23.70
		25	13	22.15	22.17	22.08	23.70
		25	25	22.12	22.23	22.14	23.70
		50	0	22.14	22.21	22.10	23.70
	16QAM	1	0	22.35	22.32	22.30	23.70



		1	25	22.30	22.31	22.27	23.70	
		1	49	22.28	22.28	22.22	23.70	
		25	0	21.20	21.22	21.17	22.70	
		25	13	21.20	21.20	21.16	22.70	
		25	25	21.22	21.23	21.20	22.70	
		50	0	21.13	21.13	21.11	22.70	
	64QAM	1	0	21.36	21.33	21.32	22.70	
		1	25	21.08	21.06	21.12	22.70	
		1	49	21.25	21.23	21.19	22.70	
		25	0	20.20	20.14	20.17	21.70	
		25	13	20.29	20.38	20.32	21.70	
		25	25	20.46	20.43	20.53	21.70	
	256QAM	50	0	20.45	20.41	20.42	21.70	
		1	0	18.22	18.40	18.26	19.70	
		1	25	18.27	18.26	18.30	19.70	
		1	49	18.23	18.25	18.42	19.70	
		25	0	18.19	18.23	18.31	19.70	
		25	13	18.25	18.25	18.34	19.70	
		25	25	18.25	18.26	18.31	19.70	
		50	0	18.13	18.30	18.33	19.70	
		Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)		
20825/2507.5						21100/2535	21375/2562.5	
15MHz		QPSK	1	0	22.76	22.88	22.98	24.70
			1	38	23.02	23.03	23.04	24.70
	1		74	23.13	23.05	23.26	24.70	
	36		0	22.01	22.16	22.23	23.70	
	36		18	21.97	22.12	22.21	23.70	
	36		39	22.05	22.09	22.17	23.70	
	16QAM	75	0	22.00	22.07	22.16	23.70	
		1	0	22.23	22.17	22.26	23.70	
		1	38	22.25	22.20	22.28	23.70	
		1	74	22.35	22.30	22.34	23.70	
		36	0	21.16	21.14	21.18	22.70	
		36	18	21.14	21.09	21.17	22.70	
	64QAM	36	39	21.18	21.18	21.22	22.70	
		75	0	21.09	21.09	21.12	22.70	
		1	0	21.53	21.56	21.56	22.70	
		1	38	21.42	21.43	21.50	22.70	
		1	74	21.48	21.44	21.40	22.70	
		36	0	20.59	20.68	20.71	21.70	
		36	18	20.64	20.56	20.54	21.70	
		36	39	20.56	20.65	20.52	21.70	
		75	0	20.37	20.37	20.44	21.70	



Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit	
				20850/2510	21100/2535	21350/2560		
20MHz	256QAM	1	0	18.21	18.36	18.24	19.70	
		1	38	18.25	18.25	18.27	19.70	
		1	74	18.20	18.20	18.38	19.70	
		36	0	18.17	18.19	18.28	19.70	
		36	18	18.22	18.20	18.30	19.70	
		36	39	18.22	18.23	18.27	19.70	
		75	0	18.11	18.26	18.28	19.70	
	20MHz	QPSK	1	0	22.73	22.84	22.95	24.70
			1	50	23.01	22.99	23.02	24.70
			1	99	23.11	23.04	23.23	24.70
			50	0	21.98	22.11	22.19	23.70
			50	25	21.95	22.08	22.18	23.70
			50	50	22.02	22.04	22.13	23.70
			100	0	21.97	22.02	22.12	23.70
		16QAM	1	0	22.18	22.13	22.21	23.70
			1	50	22.21	22.18	22.24	23.70
			1	99	22.33	22.27	22.32	23.70
			50	0	21.13	21.10	21.15	22.70
			50	25	21.11	21.07	21.14	22.70
			50	50	21.15	21.13	21.18	22.70
			100	0	21.07	21.05	21.09	22.70
		64QAM	1	0	21.51	21.52	21.51	22.70
			1	50	21.38	21.41	21.46	22.70
			1	99	21.42	21.38	21.34	22.70
			50	0	20.54	20.60	20.64	21.70
			50	25	20.60	20.52	20.48	21.70
			50	50	20.53	20.60	20.48	21.70
			100	0	20.35	20.33	20.41	21.70
256QAM		1	0	18.18	18.32	18.21	19.70	
		1	50	18.24	18.21	18.25	19.70	
		1	99	18.18	18.19	18.35	19.70	
		50	0	18.14	18.14	18.24	19.70	
		50	25	18.20	18.16	18.27	19.70	
		50	50	18.19	18.18	18.23	19.70	
		100	0	18.08	18.21	18.24	19.70	

LTE FDD Band 7 Level3&Level5				Conducted Power(dBm)			Tune-up Limit
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			
				20775/2502.5	21100/2535	21425/2567.5	
5MHz	QPSK	1	0	20.69	20.68	20.64	22.50



		1	13	20.71	20.84	20.91	22.50	
		1	24	20.96	20.93	21.06	22.50	
		12	0	20.88	21.02	20.94	22.50	
		12	6	20.98	21.01	21.17	22.50	
		12	13	20.92	21.01	21.04	22.50	
		25	0	20.91	20.95	21.07	22.50	
	16QAM	1	0	21.10	21.03	21.09	22.50	
		1	13	21.25	21.25	21.25	22.50	
		1	24	21.28	21.33	21.32	22.50	
		12	0	21.11	21.07	21.06	22.50	
		12	6	21.09	21.04	21.12	22.50	
		12	13	21.10	21.11	21.18	22.50	
	64QAM	25	0	21.10	21.07	21.11	22.50	
		1	0	19.93	19.84	19.90	21.50	
		1	13	20.02	19.95	19.94	21.50	
		1	24	20.07	20.06	20.07	21.50	
		12	0	19.95	19.91	19.96	21.50	
		12	6	19.92	19.88	19.90	21.50	
	256QAM	12	13	20.15	20.16	20.04	21.50	
		25	0	19.90	19.88	19.91	21.50	
		1	0	17.68	17.68	17.72	19.00	
		1	13	17.42	17.40	17.46	19.00	
		1	24	18.10	18.03	18.16	19.00	
		12	0	17.71	17.68	17.77	19.00	
	10MHz	QPSK	12	6	17.76	17.74	17.82	19.00
			12	13	17.85	17.79	17.90	19.00
			25	0	17.62	17.67	17.71	19.00
			1	0	20.70	20.67	20.66	22.50
1			25	20.72	20.88	20.93	22.50	
1			49	20.97	20.95	21.08	22.50	
25			0	20.89	21.06	20.96	22.50	
16QAM		25	13	21.00	21.04	21.20	22.50	
		25	25	20.92	21.01	21.08	22.50	
		50	0	20.91	20.96	21.08	22.50	
		1	0	21.09	21.01	21.09	22.50	
		1	25	21.27	21.28	21.23	22.50	
		1	49	21.29	21.31	21.34	22.50	
		25	0	21.09	21.11	21.07	22.50	
		25	13	21.08	21.03	21.13	22.50	
		25	25	21.12	21.15	21.17	22.50	
		50	0	21.09	21.09	21.11	22.50	
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit	
				20800/2505	21100/2535	21400/2565		



	64QAM	1	0	19.93	19.83	19.91	21.50
		1	25	20.04	19.97	19.94	21.50
		1	49	20.07	20.03	20.08	21.50
		25	0	19.97	19.95	19.95	21.50
		25	13	19.90	19.89	19.89	21.50
		25	25	20.16	20.17	20.07	21.50
		50	0	19.92	19.91	19.92	21.50
	256QAM	1	0	17.70	17.69	17.75	19.00
		1	25	17.45	17.45	17.50	19.00
		1	49	18.12	18.07	18.19	19.00
		25	0	17.74	17.73	17.81	19.00
		25	13	17.79	17.79	17.86	19.00
		25	25	17.87	17.83	17.95	19.00
		50	0	17.66	17.69	17.75	19.00
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				20825/2507.5	21100/2535	21375/2562.5	
15MHz	QPSK	1	0	20.70	20.65	20.65	22.50
		1	38	20.72	20.88	20.92	22.50
		1	74	20.95	20.92	21.05	22.50
		36	0	20.89	21.03	20.95	22.50
		36	18	20.98	21.01	21.17	22.50
		36	39	20.91	21.02	21.05	22.50
		75	0	20.94	20.93	21.06	22.50
	16QAM	1	0	21.07	21.04	21.09	22.50
		1	38	21.26	21.26	21.26	22.50
		1	74	21.28	21.31	21.32	22.50
		36	0	21.11	21.10	21.07	22.50
		36	18	21.08	21.03	21.11	22.50
		36	39	21.11	21.12	21.19	22.50
		75	0	21.10	21.07	21.11	22.50
	64QAM	1	0	19.90	19.85	19.90	21.50
		1	38	20.03	19.96	19.95	21.50
		1	74	20.07	20.04	20.07	21.50
		36	0	19.95	19.94	19.97	21.50
		36	18	19.91	19.87	19.89	21.50
		36	39	20.16	20.17	20.05	21.50
		75	0	19.90	19.88	19.91	21.50
	256QAM	1	0	17.69	17.65	17.73	19.00
		1	38	17.43	17.44	17.47	19.00
		1	74	18.09	18.02	18.15	19.00
		36	0	17.72	17.69	17.78	19.00
		36	18	17.76	17.74	17.82	19.00
		36	39	17.84	17.80	17.91	19.00



Bandwidth	Modulation	75	0	17.64	17.65	17.70	19.00
		RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				20850/2510	21100/2535	21350/2560	
20MHz	QPSK	1	0	20.67	20.61	20.62	22.50
		1	50	20.71	20.84	20.90	22.50
		1	99	20.93	20.91	21.02	22.50
		50	0	20.86	20.98	20.91	22.50
		50	25	20.96	20.97	21.14	22.50
		50	50	20.88	20.97	21.01	22.50
		100	0	20.91	20.88	21.02	22.50
	16QAM	1	0	21.05	21.00	21.04	22.50
		1	50	21.22	21.24	21.22	22.50
		1	99	21.26	21.28	21.30	22.50
		50	0	21.08	21.06	21.04	22.50
		50	25	21.05	21.01	21.08	22.50
		50	50	21.08	21.07	21.15	22.50
		100	0	21.08	21.03	21.08	22.50
	64QAM	1	0	19.88	19.81	19.85	21.50
		1	50	19.99	19.94	19.91	21.50
		1	99	20.05	20.01	20.05	21.50
		50	0	19.92	19.90	19.94	21.50
		50	25	19.88	19.85	19.86	21.50
		50	50	20.13	20.12	20.01	21.50
		100	0	19.88	19.84	19.88	21.50
	256QAM	1	0	17.66	17.61	17.70	19.00
		1	50	17.42	17.40	17.45	19.00
		1	99	18.07	18.01	18.12	19.00
		50	0	17.69	17.64	17.74	19.00
		50	25	17.74	17.70	17.79	19.00
		50	50	17.81	17.75	17.87	19.00
		100	0	17.61	17.60	17.66	19.00

LTE FDD Band 7 Level6-D1				Conducted Power(dBm)			Tune-up Limit
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			
				20775/2502.5	21100/2535	21425/2567.5	
5MHz	QPSK	1	0	22.75	22.91	22.97	23.70
		1	13	23.01	22.99	23.03	23.70
		1	24	23.14	23.06	23.27	23.70
		12	0	22.00	22.15	22.22	22.70
		12	6	21.97	22.12	22.21	22.70
		12	13	22.06	22.08	22.16	22.70
		25	0	21.98	22.09	22.17	22.70



	16QAM	1	0	22.26	22.16	22.26	22.70
		1	13	22.24	22.19	22.27	22.70
		1	24	22.35	22.32	22.34	22.70
		12	0	21.16	21.11	21.17	21.70
		12	6	21.15	21.10	21.18	21.70
		12	13	21.17	21.17	21.21	21.70
		25	0	21.09	21.09	21.12	21.70
	64QAM	1	0	21.56	21.59	21.56	21.70
		1	13	21.41	21.46	21.49	21.70
		1	24	21.48	21.43	21.36	21.70
		12	0	20.57	20.61	20.70	20.70
		12	6	20.64	20.55	20.52	20.70
		12	13	20.55	20.64	20.51	20.70
		25	0	20.37	20.37	20.44	20.70
	256QAM	1	0	18.23	18.41	18.27	19.00
		1	13	18.26	18.25	18.29	19.00
		1	24	18.24	18.26	18.43	19.00
		12	0	18.19	18.23	18.31	19.00
		12	6	18.24	18.24	18.35	19.00
		12	13	18.25	18.24	18.30	19.00
		25	0	18.09	18.29	18.31	19.00
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				20800/2505	21100/2535	21400/2565	
10MHz	QPSK	1	0	23.19	23.08	23.11	23.70
		1	25	23.18	22.99	23.07	23.70
		1	49	23.07	23.03	23.08	23.70
		25	0	22.22	22.15	22.10	22.70
		25	13	22.15	22.17	22.08	22.70
		25	25	22.12	22.23	22.14	22.70
		50	0	22.14	22.21	22.10	22.70
	16QAM	1	0	22.35	22.32	22.30	22.70
		1	25	22.30	22.31	22.27	22.70
		1	49	22.28	22.28	22.22	22.70
		25	0	21.20	21.22	21.17	21.70
		25	13	21.20	21.20	21.16	21.70
		25	25	21.22	21.23	21.20	21.70
		50	0	21.13	21.13	21.11	21.70
	64QAM	1	0	21.36	21.33	21.32	21.70
		1	25	21.08	21.06	21.12	21.70
		1	49	21.25	21.23	21.19	21.70
		25	0	20.20	20.14	20.17	20.70
		25	13	20.29	20.38	20.32	20.70
		25	25	20.46	20.43	20.53	20.70



	256QAM	50	0	20.45	20.41	20.42	20.70
		1	0	18.22	18.40	18.26	19.00
		1	25	18.27	18.26	18.30	19.00
		1	49	18.23	18.25	18.42	19.00
		25	0	18.19	18.23	18.31	19.00
		25	13	18.25	18.25	18.34	19.00
		25	25	18.25	18.26	18.31	19.00
		50	0	18.13	18.30	18.33	19.00
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				20825/2507.5	21100/2535	21375/2562.5	
15MHz	QPSK	1	0	22.76	22.88	22.98	23.70
		1	38	23.02	23.03	23.04	23.70
		1	74	23.13	23.05	23.26	23.70
		36	0	22.01	22.16	22.23	22.70
		36	18	21.97	22.12	22.21	22.70
		36	39	22.05	22.09	22.17	22.70
		75	0	22.00	22.07	22.16	22.70
	16QAM	1	0	22.23	22.17	22.26	22.70
		1	38	22.25	22.20	22.28	22.70
		1	74	22.35	22.30	22.34	22.70
		36	0	21.16	21.14	21.18	21.70
		36	18	21.14	21.09	21.17	21.70
		36	39	21.18	21.18	21.22	21.70
		75	0	21.09	21.09	21.12	21.70
	64QAM	1	0	21.53	21.56	21.56	21.70
		1	38	21.42	21.43	21.50	21.70
		1	74	21.48	21.44	21.40	21.70
		36	0	20.59	20.68	20.69	20.70
		36	18	20.64	20.56	20.54	20.70
		36	39	20.56	20.65	20.52	20.70
		75	0	20.37	20.37	20.44	20.70
	256QAM	1	0	18.21	18.36	18.24	19.00
		1	38	18.25	18.25	18.27	19.00
		1	74	18.20	18.20	18.38	19.00
		36	0	18.17	18.19	18.28	19.00
		36	18	18.22	18.20	18.30	19.00
		36	39	18.22	18.23	18.27	19.00
		75	0	18.11	18.26	18.28	19.00
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				20850/2510	21100/2535	21350/2560	
20MHz	QPSK	1	0	22.73	22.84	22.95	23.70
		1	50	23.01	22.99	23.02	23.70
		1	99	23.11	23.04	23.23	23.70



		50	0	21.98	22.11	22.19	22.70
		50	25	21.95	22.08	22.18	22.70
		50	50	22.02	22.04	22.13	22.70
		100	0	21.97	22.02	22.12	22.70
	16QAM	1	0	22.18	22.13	22.21	22.70
		1	50	22.21	22.18	22.24	22.70
		1	99	22.33	22.27	22.32	22.70
		50	0	21.13	21.10	21.15	21.70
		50	25	21.11	21.07	21.14	21.70
		50	50	21.15	21.13	21.18	21.70
		100	0	21.07	21.05	21.09	21.70
	64QAM	1	0	21.51	21.52	21.51	21.70
		1	50	21.38	21.41	21.46	21.70
		1	99	21.42	21.38	21.34	21.70
		50	0	20.54	20.60	20.64	20.70
		50	25	20.60	20.52	20.48	20.70
		50	50	20.53	20.60	20.48	20.70
		100	0	20.35	20.33	20.41	20.70
	256QAM	1	0	18.18	18.32	18.21	19.00
		1	50	18.24	18.21	18.25	19.00
		1	99	18.18	18.19	18.35	19.00
		50	0	18.14	18.14	18.24	19.00
		50	25	18.20	18.16	18.27	19.00
		50	50	18.19	18.18	18.23	19.00
		100	0	18.08	18.21	18.24	19.00

LTE FDD Band 7 Level7-D1				Conducted Power(dBm)			Tune-up Limit
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			
				20775/2502.5	21100/2535	21425/2567.5	
5MHz	QPSK	1	0	20.28	20.48	20.37	21.50
		1	13	20.27	20.37	20.39	21.50
		1	24	20.61	20.42	20.65	21.50
		12	0	20.47	20.59	20.54	21.50
		12	6	20.51	20.56	20.57	21.50
		12	13	20.44	20.57	20.61	21.50
		25	0	20.37	20.62	20.61	21.50
	16QAM	1	0	20.63	20.91	21.01	21.50
		1	13	20.61	20.59	20.64	21.50
		1	24	21.11	21.11	21.16	21.50
		12	0	20.62	20.58	20.67	21.50
		12	6	20.62	20.59	20.66	21.50
		12	13	20.59	20.57	20.65	21.50



	64QAM	25	0	20.59	20.60	20.63	21.50
		1	0	20.95	20.99	20.98	21.50
		1	13	20.91	20.90	20.98	21.50
		1	24	20.72	20.69	20.73	21.50
		12	0	20.22	20.17	20.30	21.50
		12	6	20.31	20.26	20.37	21.50
		12	13	20.42	20.42	20.49	21.50
		25	0	20.49	20.49	20.54	21.50
	256QAM	1	0	18.08	18.08	18.13	19.00
		1	13	17.97	17.94	18.05	19.00
		1	24	17.89	17.82	17.95	19.00
		12	0	17.67	17.66	17.75	19.00
		12	6	18.00	17.98	18.08	19.00
		12	13	18.27	18.25	18.32	19.00
25		0	18.04	18.08	18.12	19.00	
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				20800/2505	21100/2535	21400/2565	
10MHz	QPSK	1	0	20.30	20.49	20.40	21.50
		1	25	20.30	20.42	20.43	21.50
		1	49	20.63	20.46	20.68	21.50
		25	0	20.50	20.64	20.58	21.50
		25	13	20.54	20.61	20.61	21.50
		25	25	20.46	20.61	20.66	21.50
		50	0	20.41	20.64	20.65	21.50
	16QAM	1	0	20.65	20.94	21.03	21.50
		1	25	20.64	20.63	20.67	21.50
		1	49	21.14	21.13	21.19	21.50
		25	0	20.65	20.63	20.71	21.50
		25	13	20.64	20.63	20.69	21.50
		25	25	20.62	20.62	20.69	21.50
		50	0	20.62	20.65	20.67	21.50
	64QAM	1	0	20.97	20.98	21.00	21.50
		1	25	20.94	20.90	21.01	21.50
		1	49	20.71	20.71	20.76	21.50
		25	0	20.25	20.22	20.30	21.50
		25	13	20.33	20.30	20.40	21.50
		25	25	20.45	20.47	20.53	21.50
		50	0	20.52	20.54	20.58	21.50
	256QAM	1	0	18.10	18.09	18.16	19.00
		1	25	18.00	17.99	18.09	19.00
		1	49	17.91	17.86	17.98	19.00
		25	0	17.70	17.71	17.79	19.00
		25	13	18.03	18.03	18.12	19.00



Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				20825/2507.5	21100/2535	21375/2562.5	
15MHz	QPSK	25	25	18.29	18.29	18.37	19.00
		50	0	18.08	18.10	18.16	19.00
		1	0	20.29	20.45	20.38	21.50
		1	38	20.28	20.41	20.40	21.50
		1	74	20.60	20.41	20.64	21.50
		36	0	20.48	20.60	20.55	21.50
		36	18	20.51	20.56	20.57	21.50
	36	39	20.43	20.58	20.62	21.50	
	75	0	20.39	20.60	20.60	21.50	
	16QAM	1	0	20.60	20.92	21.01	21.50
		1	38	20.62	20.60	20.65	21.50
		1	74	21.11	21.09	21.16	21.50
		36	0	20.62	20.61	20.68	21.50
		36	18	20.61	20.58	20.65	21.50
		36	39	20.60	20.58	20.66	21.50
		75	0	20.59	20.60	20.63	21.50
	64QAM	1	0	20.92	20.96	20.98	21.50
		1	38	20.92	20.87	20.99	21.50
		1	74	20.72	20.70	20.77	21.50
		36	0	20.24	20.24	20.31	21.50
		36	18	20.31	20.27	20.39	21.50
		36	39	20.43	20.43	20.50	21.50
		75	0	20.49	20.49	20.54	21.50
	256QAM	1	0	18.09	18.05	18.14	19.00
		1	38	17.98	17.98	18.06	19.00
		1	74	17.88	17.81	17.94	19.00
		36	0	17.68	17.67	17.76	19.00
		36	18	18.00	17.98	18.08	19.00
36		39	18.26	18.26	18.33	19.00	
75		0	18.06	18.06	18.11	19.00	
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				20850/2510	21100/2535	21350/2560	
20MHz	QPSK	1	0	20.26	20.41	20.35	21.50
		1	50	20.27	20.37	20.38	21.50
		1	99	20.58	20.40	20.61	21.50
		50	0	20.45	20.55	20.51	21.50
		50	25	20.49	20.52	20.54	21.50
		50	50	20.40	20.53	20.58	21.50
		100	0	20.36	20.55	20.56	21.50
	16QAM	1	0	20.90	20.88	20.96	21.50
		1	50	20.58	20.58	20.61	21.50



		1	99	21.09	21.06	21.14	21.50
		50	0	20.59	20.57	20.65	21.50
		50	25	20.58	20.56	20.62	21.50
		50	50	20.57	20.53	20.62	21.50
		100	0	20.57	20.56	20.60	21.50
	64QAM	1	0	20.90	20.92	20.93	21.50
		1	50	20.88	20.85	20.95	21.50
		1	99	20.66	20.64	20.71	21.50
		50	0	20.19	20.16	20.24	21.50
		50	25	20.27	20.23	20.33	21.50
		50	50	20.40	20.38	20.46	21.50
		100	0	20.47	20.45	20.51	21.50
	256QAM	1	0	18.06	18.01	18.11	19.00
		1	50	17.97	17.94	18.04	19.00
		1	99	17.86	17.80	17.91	19.00
		50	0	17.65	17.62	17.72	19.00
		50	25	17.98	17.94	18.05	19.00
		50	50	18.23	18.21	18.29	19.00
		100	0	18.03	18.01	18.07	19.00

ANT 6

LTE FDD Band 12 Full Power&Level1&Level2&Level3&Level4&Level5				Conducted Power(dBm)			Tune-up Limit
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			
				23017/699.7	23095/707.5	23173/715.3	
1.4MHz	QPSK	1	0	23.21	23.24	23.19	25.00
		1	2	23.25	23.23	23.21	25.00
		1	5	23.19	23.25	23.16	25.00
		3	0	23.24	23.23	23.11	24.00
		3	2	23.16	23.10	23.21	24.00
		3	3	23.13	23.23	23.15	24.00
		6	0	22.26	22.21	22.18	24.00
	16QAM	1	0	22.50	22.44	22.37	24.00
		1	2	22.48	22.50	22.43	24.00
		1	5	22.46	22.45	22.40	24.00
		3	0	22.13	22.12	22.07	23.00
		3	2	22.22	22.23	22.18	23.00
		3	3	22.29	22.33	22.25	23.00
		6	0	21.31	21.37	21.33	23.00
	64QAM	1	0	21.43	21.46	21.55	23.00
		1	2	21.31	21.27	21.32	23.00
		1	5	21.17	21.23	21.28	23.00



Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit	
				23025/700.5	23095/707.5	23165/714.5		
3MHz	256QAM	3	0	21.49	21.42	21.41	22.00	
		3	2	21.46	21.40	21.40	22.00	
		3	3	21.47	21.44	21.44	22.00	
		6	0	20.49	20.56	20.56	22.00	
		1	0	18.70	18.67	18.66	20.00	
		1	2	18.55	18.55	18.56	20.00	
		1	5	18.34	18.38	18.31	20.00	
		3	0	18.55	18.52	18.50	20.00	
	3	2	18.55	18.50	18.57	20.00		
	3	3	18.55	18.63	18.57	20.00		
	6	0	18.46	18.43	18.38	20.00		
	3MHz	QPSK	1	0	23.22	23.27	23.21	25.00
			1	7	23.24	23.27	23.26	25.00
1			14	23.21	23.29	23.19	25.00	
8			0	22.34	22.35	22.24	24.00	
8			4	22.29	22.21	22.32	24.00	
8			7	22.23	22.36	22.26	24.00	
15			0	22.30	22.26	22.23	24.00	
16QAM		1	0	22.52	22.45	22.39	24.00	
		1	7	22.51	22.52	22.47	24.00	
		1	14	22.48	22.49	22.42	24.00	
		8	0	21.25	21.26	21.20	23.00	
		8	4	21.32	21.35	21.29	23.00	
		8	7	21.39	21.45	21.38	23.00	
		15	0	21.35	21.42	21.35	23.00	
64QAM		1	0	21.45	21.47	21.57	23.00	
		1	7	21.34	21.29	21.34	23.00	
		1	14	21.19	21.22	21.30	23.00	
		8	0	20.61	20.56	20.54	22.00	
		8	4	20.56	20.52	20.51	22.00	
		8	7	20.57	20.56	20.57	22.00	
		15	0	20.53	20.61	20.58	22.00	
256QAM		1	0	18.67	18.67	18.63	20.00	
		1	7	18.52	18.57	18.53	20.00	
		1	14	18.35	18.36	18.27	20.00	
		8	0	18.53	18.48	18.51	20.00	
		8	4	18.52	18.45	18.53	20.00	
		8	7	18.52	18.58	18.53	20.00	
		15	0	18.44	18.39	18.33	20.00	
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit	
				23035/701.5	23095/707.5	23155/713.5		



5MHz	QPSK	1	0	23.21	23.23	23.19	25.00
		1	13	23.22	23.26	23.23	25.00
		1	24	23.18	23.24	23.15	25.00
		12	0	22.32	22.31	22.21	24.00
		12	6	22.26	22.16	22.28	24.00
		12	13	22.20	22.33	22.22	24.00
		25	0	22.28	22.22	22.18	24.00
	16QAM	1	0	22.47	22.43	22.37	24.00
		1	13	22.49	22.49	22.45	24.00
		1	24	22.45	22.45	22.39	24.00
		12	0	21.22	21.24	21.17	23.00
		12	6	21.29	21.30	21.25	23.00
		12	13	21.37	21.41	21.35	23.00
		25	0	21.32	21.37	21.31	23.00
	64QAM	1	0	21.40	21.45	21.55	23.00
		1	13	21.32	21.26	21.32	23.00
		1	24	21.20	21.21	21.31	23.00
		12	0	20.60	20.58	20.55	22.00
		12	6	20.54	20.49	20.50	22.00
		12	13	20.55	20.52	20.54	22.00
		25	0	20.50	20.56	20.54	22.00
	256QAM	1	0	18.64	18.64	18.63	20.00
		1	13	18.53	18.54	18.54	20.00
		1	24	18.35	18.37	18.31	20.00
		12	0	18.55	18.55	18.52	20.00
		12	6	18.52	18.46	18.55	20.00
		12	13	18.53	18.59	18.54	20.00
		25	0	18.44	18.39	18.33	20.00
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				23060/704	23095/707.5	23130/711	
10MHz	QPSK	1	0	23.18	23.19	23.16	25.00
		1	25	23.21	23.22	23.21	25.00
		1	49	23.16	23.23	23.12	25.00
		25	0	22.29	22.29	22.17	24.00
		25	13	22.24	22.12	22.25	24.00
		25	25	22.17	22.28	22.18	24.00
		50	0	22.25	22.17	22.14	24.00
	16QAM	1	0	22.34	22.39	22.32	24.00
		1	25	22.45	22.47	22.41	24.00
		1	49	22.43	22.42	22.37	24.00
		25	0	21.19	21.20	21.14	23.00
		25	13	21.26	21.28	21.22	23.00
		25	25	21.34	21.36	21.31	23.00



	64QAM	50	0	21.30	21.33	21.28	23.00
		1	0	21.38	21.41	21.50	23.00
		1	25	21.28	21.24	21.28	23.00
		1	49	21.14	21.15	21.25	23.00
		25	0	20.55	20.50	20.48	22.00
		25	13	20.50	20.45	20.44	22.00
		25	25	20.52	20.47	20.50	22.00
		50	0	20.48	20.52	20.51	22.00
	256QAM	1	0	18.62	18.60	18.58	20.00
		1	25	18.49	18.52	18.50	20.00
		1	49	18.29	18.31	18.25	20.00
		25	0	18.50	18.47	18.45	20.00
		25	13	18.48	18.42	18.49	20.00
		25	25	18.50	18.54	18.50	20.00
		50	0	18.42	18.35	18.30	20.00

ANT 6

LTE FDD Band 13 Full Power&Level1&Level2&Level3&Level4&Level5				Conducted Power(dBm)			Tune-up Limit
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency(MHz)			
				23205/779.5	23230/782	23255/784.5	
5MHz	QPSK	1	0	23.20	23.12	23.37	25.00
		1	13	23.14	23.17	23.17	25.00
		1	24	23.12	23.16	23.21	25.00
		12	0	22.21	22.25	22.35	24.00
		12	6	22.04	22.16	22.31	24.00
		12	13	22.12	22.21	22.41	24.00
		25	0	22.11	22.15	22.05	24.00
	16QAM	1	0	22.09	22.31	22.25	24.00
		1	13	22.11	22.13	22.23	24.00
		1	24	22.18	22.35	22.40	24.00
		12	0	21.08	21.18	21.23	23.00
		12	6	21.30	21.26	21.41	23.00
		12	13	21.22	21.32	21.27	23.00
		25	0	21.16	21.22	21.17	23.00
	64QAM	1	0	21.35	21.37	21.52	23.00
		1	13	21.21	21.29	21.34	23.00
		1	24	21.19	21.26	21.26	23.00
		12	0	20.49	20.45	20.55	22.00
		12	6	20.45	20.40	20.60	22.00
		12	13	20.54	20.52	20.67	22.00
		25	0	20.48	20.42	20.62	22.00
256QAM	1	0	18.31	18.26	18.20	20.00	



		1	13	18.24	18.28	18.29	20.00
		1	24	18.30	18.30	18.26	20.00
		12	0	18.14	18.21	18.18	20.00
		12	6	18.16	18.18	18.14	20.00
		12	13	18.27	18.27	18.30	20.00
		25	0	18.11	18.16	18.19	20.00
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency(MHz)			Tune-up Limit
				23230/782			
10MHz	QPSK	1	0	23.03			25.00
		1	25	23.13			25.00
		1	49	23.09			25.00
		25	0	22.16			24.00
		25	13	22.08			24.00
		25	25	22.15			24.00
		50	0	22.07			24.00
	16QAM	1	0	22.24			24.00
		1	25	22.10			24.00
		1	49	22.28			24.00
		25	0	21.13			23.00
		25	13	21.18			23.00
		25	25	21.23			23.00
		50	0	21.14			23.00
	64QAM	1	0	21.30			23.00
		1	25	21.26			23.00
		1	49	21.19			23.00
		25	0	20.40			22.00
		25	13	20.32			22.00
		25	25	20.43			22.00
		50	0	20.34			22.00
	256QAM	1	0	18.23			20.00
		1	25	18.27			20.00
		1	49	18.28			20.00
		25	0	18.18			20.00
		25	13	18.16			20.00
		25	25	18.24			20.00
		50	0	18.13			20.00

Ant 6

LTE FDD Band 17 Full				Conducted Power(dBm)			Tune-up Limit
Power&Level1&Level2&Level3&Level4&Level5							
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			
				23755/706.5	23790/710	23825/713.5	



5MHz	QPSK	1	0	23.14	23.21	23.24	25.00
		1	13	23.26	23.29	23.30	25.00
		1	24	23.25	23.21	23.24	25.00
		12	0	22.26	22.33	22.26	24.00
		12	6	22.28	22.35	22.24	24.00
		12	13	22.28	22.26	22.29	24.00
		25	0	22.20	22.26	22.31	24.00
	16QAM	1	0	22.30	22.11	22.16	24.00
		1	13	22.29	22.23	22.26	24.00
		1	24	22.33	22.30	22.34	24.00
		12	0	21.27	21.26	21.34	23.00
		12	6	21.37	21.35	21.39	23.00
		12	13	21.39	21.39	21.42	23.00
		25	0	21.28	21.28	21.30	23.00
	64QAM	1	0	21.25	21.56	21.58	23.00
		1	13	21.28	21.33	21.26	23.00
		1	24	21.55	21.50	21.44	23.00
		12	0	20.64	20.68	20.66	22.00
		12	6	20.68	20.74	20.79	22.00
		12	13	20.71	20.72	20.66	22.00
		25	0	20.49	20.56	20.57	22.00
	256QAM	1	0	18.80	18.73	18.74	20.00
		1	13	18.62	18.63	18.56	20.00
		1	24	18.46	18.41	18.43	20.00
		12	0	18.68	18.64	18.64	20.00
		12	6	18.61	18.68	18.60	20.00
		12	13	18.71	18.70	18.66	20.00
		25	0	18.55	18.51	18.52	20.00
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				23780/709	23790/710	23800/711	
10MHz	QPSK	1	0	23.10	23.13	23.19	25.00
		1	25	23.23	23.24	23.25	25.00
		1	49	23.20	23.15	23.17	25.00
		25	0	22.21	22.24	22.19	24.00
		25	13	22.23	22.26	22.17	24.00
		25	25	22.22	22.18	22.21	24.00
		50	0	22.15	22.17	22.22	24.00
	16QAM	1	0	22.12	22.05	22.09	24.00
		1	25	22.23	22.18	22.20	24.00
		1	49	22.28	22.23	22.29	24.00
		25	0	21.21	21.20	21.28	23.00
		25	13	21.31	21.28	21.32	23.00
		25	25	21.34	21.30	21.35	23.00



	64QAM	50	0	21.23	21.19	21.23	23.00
		1	0	21.18	21.50	21.51	23.00
		1	25	21.22	21.28	21.20	23.00
		1	49	21.50	21.43	21.39	23.00
		25	0	20.58	20.62	20.60	22.00
		25	13	20.62	20.67	20.72	22.00
		25	25	20.66	20.63	20.59	22.00
		50	0	20.44	20.47	20.50	22.00
	256QAM	1	0	18.77	18.69	18.71	20.00
		1	25	18.61	18.59	18.54	20.00
		1	49	18.44	18.40	18.40	20.00
		25	0	18.65	18.59	18.60	20.00
		25	13	18.59	18.64	18.57	20.00
		25	25	18.68	18.65	18.62	20.00
		50	0	18.52	18.46	18.48	20.00

Ant 7

LTE FDD Band 25 Full Power&Level2&Level6-D2				Conducted Power(dBm)			Tune-up Limit
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			
				26047/ 1850.7	26365/ 1882.5	26683/ 1914.3	
1.4MHz	QPSK	1	0	22.91	22.93	22.95	24.80
		1	2	22.96	22.95	22.89	24.80
		1	5	22.88	22.89	22.91	24.80
		3	0	23.02	22.95	22.88	24.80
		3	2	22.96	22.93	22.99	24.80
		3	3	22.92	22.94	22.93	24.80
		6	0	21.99	21.97	21.99	23.80
	16QAM	1	0	22.16	22.29	22.37	23.80
		1	2	22.14	22.10	22.15	23.80
		1	5	22.14	22.08	22.14	23.80
		3	0	22.09	22.00	22.06	23.80
		3	2	22.04	21.97	22.06	23.80
		3	3	21.96	21.94	21.98	23.80
		6	0	21.00	21.00	21.09	22.30
	64QAM	1	0	20.73	20.76	20.77	22.30
		1	2	21.07	21.08	21.04	22.30
		1	5	20.83	20.84	20.82	22.30
		3	0	21.28	21.25	21.37	22.30
		3	2	21.26	21.21	21.24	22.30
		3	3	21.25	21.25	21.26	22.30
		6	0	20.30	20.29	20.37	21.80



Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				26055/ 1851.5	26365/ 1882.5	26675/ 1913.5	
	256QAM	1	0	18.25	18.16	18.21	19.80
		1	2	18.11	18.29	18.34	19.80
		1	5	18.24	18.36	18.35	19.80
		3	0	18.32	18.34	18.43	19.80
		3	2	18.31	18.33	18.38	19.80
		3	3	18.45	18.46	18.46	19.80
		6	0	18.22	18.27	18.29	19.80
3MHz	QPSK	1	0	22.93	22.97	22.98	24.80
		1	7	22.94	22.98	22.93	24.80
		1	14	22.91	22.94	22.95	24.80
		8	0	22.12	22.07	22.01	23.80
		8	4	22.08	22.03	22.11	23.80
		8	7	22.02	22.05	22.03	23.80
		15	0	21.99	22.01	22.02	23.80
	16QAM	1	0	22.19	22.31	22.40	23.80
		1	7	22.17	22.10	22.19	23.80
		1	14	22.16	22.12	22.17	23.80
		8	0	21.20	21.13	21.18	22.30
		8	4	21.15	21.10	21.18	22.30
		8	7	21.06	21.06	21.11	22.30
		15	0	21.03	21.04	21.12	22.30
	64QAM	1	0	20.76	20.78	20.80	22.30
		1	7	21.10	21.08	21.06	22.30
		1	14	20.85	20.83	20.85	22.30
		8	0	20.39	20.38	20.49	21.80
		8	4	20.37	20.34	20.36	21.80
		8	7	20.35	20.37	20.39	21.80
		15	0	20.33	20.33	20.40	21.80
	256QAM	1	0	18.28	18.18	18.24	19.80
		1	7	18.14	18.29	18.36	19.80
		1	14	18.26	18.35	18.38	19.80
		8	0	18.23	18.27	18.35	19.80
		8	4	18.22	18.26	18.30	19.80
		8	7	18.35	18.38	18.39	19.80
		15	0	18.25	18.31	18.32	19.80
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				26065/ 1852.5	26365/ 1882.5	26665/ 1912.5	
5MHz	QPSK	1	0	22.90	22.95	22.94	24.80
		1	13	22.92	22.94	22.90	24.80



		1	24	22.88	22.89	22.91	24.80	
		12	0	22.09	22.02	21.97	23.80	
		12	6	22.06	21.99	22.06	23.80	
		12	13	22.00	22.03	21.99	23.80	
		25	0	21.99	22.00	22.00	23.80	
	16QAM	1	0	22.16	22.27	22.37	23.80	
		1	13	22.14	22.08	22.16	23.80	
		1	24	22.13	22.10	22.13	23.80	
		12	0	21.18	21.09	21.15	22.30	
		12	6	21.12	21.05	21.14	22.30	
		12	13	21.03	21.01	21.07	22.30	
		25	0	21.01	21.00	21.07	22.30	
	64QAM	1	0	20.73	20.78	20.77	22.30	
		1	13	21.07	21.10	21.03	22.30	
		1	24	20.86	20.81	20.81	22.30	
		12	0	20.37	20.34	20.50	21.80	
		12	6	20.34	20.29	20.32	21.80	
		12	13	20.32	20.32	20.35	21.80	
		25	0	20.31	20.29	20.35	21.80	
	256QAM	1	0	18.25	18.18	18.21	19.80	
		1	13	18.11	18.31	18.33	19.80	
		1	24	18.27	18.33	18.34	19.80	
		12	0	18.21	18.23	18.36	19.80	
		12	6	18.19	18.21	18.26	19.80	
		12	13	18.32	18.33	18.35	19.80	
		25	0	18.23	18.27	18.27	19.80	
	Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
					26090/ 1855	26365/ 1882.5	26640/ 1910	
10MHz	QPSK	1	0	23.10	23.13	23.19	24.80	
		1	25	23.23	23.24	23.25	24.80	
		1	49	23.20	23.15	23.17	24.80	
		25	0	22.21	22.24	22.19	23.80	
		25	13	22.23	22.26	22.17	23.80	
		25	25	22.22	22.18	22.21	23.80	
		50	0	22.15	22.17	22.22	23.80	
	16QAM	1	0	22.12	22.05	22.09	23.80	
		1	25	22.23	22.18	22.20	23.80	
		1	49	22.28	22.23	22.29	23.80	
		25	0	21.21	21.20	21.28	22.30	
		25	13	21.31	21.28	21.32	22.30	
		25	25	21.34	21.30	21.35	22.30	
		50	0	21.23	21.19	21.23	22.30	



Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				26115/ 1857.5	26365/ 1882.5	26615/ 1907.5	
15MHz	64QAM	1	0	21.18	21.50	21.51	22.30
		1	25	21.22	21.28	21.20	22.30
		1	49	21.50	21.43	21.39	22.30
		25	0	20.58	20.62	20.60	21.80
		25	13	20.62	20.67	20.72	21.80
		25	25	20.66	20.63	20.59	21.80
		50	0	20.44	20.47	20.50	21.80
	256QAM	1	0	18.27	18.17	18.23	19.80
		1	25	18.14	18.31	18.36	19.80
		1	49	18.26	18.35	18.37	19.80
		25	0	18.24	18.28	18.36	19.80
		25	13	18.21	18.25	18.29	19.80
		25	25	18.35	18.38	18.39	19.80
		50	0	18.26	18.32	18.31	19.80
15MHz	QPSK	1	0	22.91	22.92	22.95	24.80
		1	38	22.93	22.98	22.91	24.80
		1	74	22.87	22.88	22.90	24.80
		36	0	22.10	22.03	21.98	23.80
		36	18	22.06	21.99	22.06	23.80
		36	39	21.99	22.04	22.00	23.80
		75	0	22.01	21.98	21.99	23.80
	16QAM	1	0	22.13	22.28	22.37	23.80
		1	38	22.15	22.09	22.17	23.80
		1	74	22.13	22.08	22.13	23.80
		36	0	21.18	21.12	21.16	22.30
		36	18	21.11	21.04	21.13	22.30
		36	39	21.04	21.02	21.08	22.30
		75	0	21.01	21.00	21.07	22.30
	64QAM	1	0	20.70	20.75	20.77	22.30
		1	38	21.08	21.07	21.04	22.30
		1	74	20.86	20.82	20.85	22.30
		36	0	20.39	20.41	20.51	21.80
		36	18	20.34	20.30	20.34	21.80
		36	39	20.33	20.33	20.36	21.80
		75	0	20.31	20.29	20.35	21.80
	256QAM	1	0	18.22	18.15	18.21	19.80
		1	38	18.12	18.28	18.34	19.80
		1	74	18.27	18.34	18.38	19.80
		36	0	18.23	18.30	18.37	19.80
		36	18	18.19	18.22	18.28	19.80



Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				26140/ 1860	26365/ 1882.5	26590/ 1905	
		36	39	18.33	18.34	18.36	19.80
		75	0	18.23	18.27	18.27	19.80
20MHz	QPSK	1	0	22.88	22.88	22.92	24.80
		1	50	22.92	22.99	22.89	24.80
		1	99	22.85	22.87	22.87	24.80
		50	0	22.07	21.98	21.94	23.80
		50	25	22.04	21.95	22.03	23.80
		50	50	21.96	21.99	21.96	23.80
		100	0	21.98	21.93	21.95	23.80
	16QAM	1	0	22.29	22.24	22.32	23.80
		1	50	22.11	22.07	22.13	23.80
		1	99	22.11	22.05	22.11	23.80
		50	0	21.15	21.08	21.13	22.30
		50	25	21.08	21.02	21.10	22.30
		50	50	21.01	20.97	21.04	22.30
		100	0	20.99	20.96	21.04	22.30
	64QAM	1	0	20.68	20.71	20.72	22.30
		1	50	21.04	21.05	21.00	22.30
		1	99	20.80	20.76	20.79	22.30
		50	0	20.34	20.33	20.44	21.80
		50	25	20.30	20.26	20.28	21.80
		50	50	20.30	20.28	20.32	21.80
		100	0	20.29	20.25	20.32	21.80
	256QAM	1	0	18.20	18.11	18.16	19.80
		1	50	18.08	18.26	18.30	19.80
		1	99	18.21	18.28	18.32	19.80
		50	0	18.18	18.22	18.30	19.80
		50	25	18.15	18.18	18.22	19.80
		50	50	18.30	18.29	18.32	19.80
		100	0	18.21	18.23	18.24	19.80

LTE FDD Band 25 Level1				Conducted Power(dBm)			Tune-up Limit
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			
				26047/ 1850.7	26365/ 1882.5	26683/ 1914.3	
1.4MHz	QPSK	1	0	18.03	17.66	17.53	19.00
		1	2	17.72	17.57	17.54	19.00
		1	5	17.55	17.34	17.57	19.00
		3	0	17.75	17.62	17.67	19.00



		3	2	17.77	17.65	17.63	19.00	
		3	3	17.72	17.52	17.60	19.00	
		6	0	17.72	17.56	17.72	19.00	
		16QAM	1	0	18.11	18.08	17.92	19.00
			1	2	17.76	17.72	17.56	19.00
			1	5	17.64	17.61	17.47	19.00
			3	0	17.74	17.71	17.57	19.00
			3	2	17.59	17.55	17.42	19.00
			3	3	17.55	17.53	17.37	19.00
	6		0	17.62	17.61	17.48	19.00	
	64QAM	1	0	17.57	17.52	17.37	19.00	
		1	2	17.78	17.72	17.54	19.00	
		1	5	17.37	17.35	17.19	19.00	
		3	0	17.80	17.78	17.62	19.00	
		3	2	17.72	17.68	17.54	19.00	
		3	3	17.76	17.74	17.53	19.00	
		6	0	17.72	17.69	17.53	19.00	
	256QAM	1	0	17.68	17.65	17.49	19.00	
		1	2	17.83	17.79	17.60	19.00	
		1	5	17.76	17.73	17.58	19.00	
		3	0	17.73	17.71	17.50	19.00	
		3	2	17.72	17.68	17.53	19.00	
		3	3	17.57	17.52	17.40	19.00	
		6	0	17.65	17.66	17.50	19.00	
	Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
					26055/ 1851.5	26365/ 1882.5	26675/ 1913.5	
	3MHz	QPSK	1	0	18.05	17.70	17.56	19.00
			1	7	17.72	17.59	17.58	19.00
1			14	17.58	17.39	17.61	19.00	
8			0	17.79	17.69	17.74	19.00	
8			4	17.80	17.73	17.69	19.00	
8			7	17.76	17.57	17.64	19.00	
15			0	17.74	17.60	17.75	19.00	
16QAM		1	0	18.14	18.10	17.95	19.00	
		1	7	17.79	17.74	17.60	19.00	
		1	14	17.66	17.65	17.50	19.00	
		8	0	17.79	17.75	17.60	19.00	
		8	4	17.64	17.62	17.48	19.00	
		8	7	17.59	17.59	17.44	19.00	
		15	0	17.65	17.65	17.51	19.00	
64QAM		1	0	17.60	17.54	17.40	19.00	
		1	7	17.81	17.74	17.58	19.00	



Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit		
				26065/ 1852.5	26365/ 1882.5	26665/ 1912.5			
		1	14	17.39	17.39	17.22	19.00		
		8	0	17.85	17.82	17.65	19.00		
		8	4	17.77	17.75	17.60	19.00		
		8	7	17.80	17.80	17.60	19.00		
		15	0	17.74	17.75	17.58	19.00		
		1	0	17.70	17.69	17.52	19.00		
		1	7	17.83	17.81	17.64	19.00		
	256QAM	1	14	17.79	17.78	17.62	19.00		
		8	0	17.77	17.78	17.57	19.00		
		8	4	17.75	17.76	17.59	19.00		
		8	7	17.61	17.57	17.44	19.00		
		15	0	17.67	17.70	17.53	19.00		
		5MHz	QPSK	1	0	18.02	17.68	17.52	19.00
				1	13	17.70	17.55	17.55	19.00
1	24			17.55	17.34	17.57	19.00		
12	0			17.76	17.64	17.70	19.00		
12	6			17.78	17.69	17.64	19.00		
12	13			17.74	17.55	17.60	19.00		
25	0			17.72	17.59	17.73	19.00		
16QAM	1		0	18.11	18.06	17.92	19.00		
	1		13	17.76	17.72	17.57	19.00		
	1		24	17.63	17.63	17.46	19.00		
	12		0	17.77	17.71	17.57	19.00		
	12		6	17.61	17.57	17.44	19.00		
	12		13	17.56	17.54	17.40	19.00		
	25		0	17.63	17.61	17.46	19.00		
64QAM	1		0	17.57	17.50	17.37	19.00		
	1		13	17.78	17.72	17.55	19.00		
	1		24	17.36	17.37	17.18	19.00		
	12		0	17.83	17.78	17.62	19.00		
	12		6	17.74	17.70	17.56	19.00		
	12		13	17.77	17.75	17.56	19.00		
	25		0	17.72	17.71	17.53	19.00		
256QAM	1		0	17.67	17.67	17.48	19.00		
	1		13	17.81	17.77	17.61	19.00		
	1		24	17.76	17.73	17.58	19.00		
	12		0	17.74	17.73	17.53	19.00		
	12		6	17.73	17.72	17.54	19.00		
	12		13	17.59	17.55	17.40	19.00		
	25		0	17.65	17.69	17.51	19.00		



Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				26090/ 1855	26365/ 1882.5	26640/ 1910	
10MHz	QPSK	1	0	18.03	17.67	17.54	19.00
		1	25	17.71	17.59	17.57	19.00
		1	49	17.56	17.36	17.59	19.00
		25	0	17.77	17.68	17.72	19.00
		25	13	17.80	17.72	17.67	19.00
		25	25	17.74	17.55	17.64	19.00
		50	0	17.72	17.60	17.74	19.00
	16QAM	1	0	18.10	18.04	17.92	19.00
		1	25	17.78	17.75	17.55	19.00
		1	49	17.64	17.61	17.48	19.00
		25	0	17.75	17.75	17.58	19.00
		25	13	17.60	17.56	17.45	19.00
		25	25	17.58	17.58	17.39	19.00
		50	0	17.62	17.63	17.46	19.00
	64QAM	1	0	17.57	17.49	17.38	19.00
		1	25	17.80	17.74	17.55	19.00
		1	49	17.36	17.34	17.19	19.00
		25	0	17.85	17.82	17.61	19.00
		25	13	17.72	17.71	17.55	19.00
		25	25	17.78	17.76	17.59	19.00
		50	0	17.74	17.74	17.54	19.00
	256QAM	1	0	17.68	17.66	17.50	19.00
		1	25	17.82	17.81	17.63	19.00
		1	49	17.77	17.75	17.60	19.00
		25	0	17.75	17.77	17.55	19.00
		25	13	17.75	17.75	17.57	19.00
		25	25	17.59	17.55	17.44	19.00
		50	0	17.65	17.70	17.52	19.00
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				26115/ 1857.5	26365/ 1882.5	26615/ 1907.5	
15MHz	QPSK	1	0	18.03	17.65	17.53	19.00
		1	38	17.71	17.59	17.56	19.00
		1	74	17.54	17.33	17.56	19.00
		36	0	17.77	17.65	17.71	19.00
		36	18	17.78	17.69	17.64	19.00
		36	39	17.73	17.56	17.61	19.00
		75	0	17.75	17.57	17.72	19.00
	16QAM	1	0	18.08	18.07	17.92	19.00
		1	38	17.77	17.73	17.58	19.00



		1	74	17.63	17.61	17.46	19.00	
		36	0	17.77	17.74	17.58	19.00	
		36	18	17.60	17.56	17.43	19.00	
		36	39	17.57	17.55	17.41	19.00	
		75	0	17.63	17.61	17.46	19.00	
	64QAM	1	0	17.54	17.51	17.37	19.00	
		1	38	17.79	17.73	17.56	19.00	
		1	74	17.36	17.35	17.18	19.00	
		36	0	17.83	17.81	17.63	19.00	
		36	18	17.73	17.69	17.55	19.00	
		36	39	17.78	17.76	17.57	19.00	
		75	0	17.72	17.71	17.53	19.00	
	256QAM	1	0	17.68	17.64	17.49	19.00	
		1	38	17.82	17.81	17.62	19.00	
		1	74	17.75	17.72	17.57	19.00	
		36	0	17.75	17.74	17.54	19.00	
		36	18	17.73	17.72	17.54	19.00	
		36	39	17.58	17.56	17.41	19.00	
		75	0	17.68	17.67	17.50	19.00	
	Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
					26140/ 1860	26365/ 1882.5	26590/ 1905	
20MHz	QPSK	1	0	18.00	17.61	17.50	19.00	
		1	50	17.70	17.55	17.54	19.00	
		1	99	17.52	17.32	17.53	19.00	
		50	0	17.74	17.60	17.67	19.00	
		50	25	17.76	17.65	17.61	19.00	
		50	50	17.70	17.51	17.57	19.00	
		100	0	17.72	17.52	17.68	19.00	
	16QAM	1	0	18.06	18.03	17.87	19.00	
		1	50	17.73	17.71	17.54	19.00	
		1	99	17.61	17.58	17.44	19.00	
		50	0	17.74	17.70	17.55	19.00	
		50	25	17.57	17.54	17.40	19.00	
		50	50	17.54	17.50	17.37	19.00	
		100	0	17.61	17.57	17.43	19.00	
	64QAM	1	0	17.52	17.47	17.32	19.00	
		1	50	17.75	17.71	17.52	19.00	
		1	99	17.34	17.32	17.16	19.00	
		50	0	17.80	17.77	17.60	19.00	
		50	25	17.70	17.67	17.52	19.00	
		50	50	17.75	17.71	17.53	19.00	
		100	0	17.70	17.67	17.50	19.00	



256QAM	1	0	17.65	17.60	17.46	19.00
	1	50	17.81	17.77	17.60	19.00
	1	99	17.73	17.71	17.54	19.00
	50	0	17.72	17.69	17.50	19.00
	50	25	17.71	17.68	17.51	19.00
	50	50	17.55	17.51	17.37	19.00
	100	0	17.65	17.62	17.46	19.00

LTE FDD Band 25 Level4				Conducted Power(dBm)			Tune-up Limit	
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)				
				26047/ 1850.7	26365/ 1882.5	26683/ 1914.3		
1.4MHz	QPSK	1	0	15.98	15.63	15.40	17.00	
		1	2	15.68	15.55	15.34	17.00	
		1	5	15.72	15.43	15.26	17.00	
		3	0	15.45	15.38	15.29	17.00	
		3	2	15.38	15.30	15.31	17.00	
		3	3	15.40	15.33	15.27	17.00	
		6	0	15.33	15.35	15.31	17.00	
	16QAM	1	0	15.80	15.78	15.88	17.00	
		1	2	15.82	15.44	15.52	17.00	
		1	5	15.75	15.35	15.41	17.00	
		3	0	15.67	15.38	15.45	17.00	
		3	2	15.53	15.32	15.39	17.00	
		3	3	15.65	15.43	15.49	17.00	
		6	0	15.67	15.28	15.31	17.00	
	64QAM	1	0	15.80	15.92	15.59	17.00	
		1	2	15.50	15.43	15.58	17.00	
		1	5	15.38	15.79	15.85	17.00	
		3	0	15.42	15.75	15.82	17.00	
		3	2	15.35	15.50	15.62	17.00	
		3	3	15.40	15.88	15.93	17.00	
		6	0	15.25	15.72	15.77	17.00	
	256QAM	1	0	15.43	15.92	16.00	17.00	
		1	2	15.46	15.71	15.80	17.00	
		1	5	15.71	15.64	15.77	17.00	
		3	0	16.60	16.51	16.58	17.00	
		3	2	16.33	16.37	16.46	17.00	
		3	3	16.73	16.46	16.56	17.00	
		6	0	15.63	15.64	15.70	17.00	
	Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
					26055/	26365/	26675/	



Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				26065/ 1852.5	26365/ 1882.5	26665/ 1912.5	
3MHz	QPSK	1	0	1851.5	1882.5	1913.5	
		1	0	15.95	15.59	15.37	17.00
		1	7	15.67	15.51	15.32	17.00
		1	14	15.70	15.42	15.23	17.00
		8	0	15.42	15.33	15.25	17.00
		8	4	15.36	15.26	15.28	17.00
		8	7	15.37	15.28	15.23	17.00
	15	0	15.30	15.30	15.27	17.00	
	16QAM	1	0	15.80	15.74	15.83	17.00
		1	7	15.78	15.42	15.48	17.00
		1	14	15.73	15.32	15.39	17.00
		8	0	15.64	15.34	15.42	17.00
		8	4	15.50	15.30	15.36	17.00
		8	7	15.62	15.38	15.45	17.00
		15	0	15.65	15.24	15.28	17.00
	64QAM	1	0	15.78	15.88	15.54	17.00
		1	7	15.46	15.41	15.54	17.00
		1	14	15.32	15.73	15.79	17.00
		8	0	15.37	15.67	15.75	17.00
		8	4	15.31	15.46	15.56	17.00
		8	7	15.37	15.83	15.89	17.00
		15	0	15.23	15.68	15.74	17.00
	256QAM	1	0	15.45	15.96	16.03	17.00
		1	7	15.44	15.74	15.84	17.00
		1	14	15.74	15.69	15.81	17.00
		8	0	15.70	15.63	15.71	17.00
		8	4	15.45	15.47	15.58	17.00
		8	7	15.83	15.57	15.66	17.00
15		0	15.63	15.68	15.73	17.00	
5MHz	QPSK	1	0	15.92	15.57	15.33	17.00
		1	13	15.65	15.47	15.29	17.00
		1	24	15.67	15.37	15.19	17.00
		12	0	15.39	15.28	15.21	17.00
		12	6	15.34	15.22	15.23	17.00
		12	13	15.35	15.26	15.19	17.00
		25	0	15.30	15.29	15.25	17.00
	16QAM	1	0	15.77	15.70	15.80	17.00
		1	13	15.75	15.40	15.45	17.00
		1	24	15.70	15.30	15.35	17.00
		12	0	15.62	15.30	15.39	17.00



		12	6	15.47	15.25	15.32	17.00	
		12	13	15.59	15.33	15.41	17.00	
		25	0	15.63	15.20	15.23	17.00	
	64QAM		1	0	15.75	15.88	15.51	17.00
			1	13	15.43	15.43	15.51	17.00
			1	24	15.33	15.71	15.75	17.00
			12	0	15.35	15.63	15.76	17.00
			12	6	15.28	15.41	15.52	17.00
			12	13	15.34	15.78	15.85	17.00
			25	0	15.21	15.64	15.69	17.00
	256QAM		1	0	15.42	15.94	15.99	17.00
			1	13	15.42	15.70	15.81	17.00
			1	24	15.71	15.64	15.77	17.00
			12	0	15.67	15.58	15.67	17.00
			12	6	15.43	15.43	15.53	17.00
			12	13	15.81	15.55	15.62	17.00
25			0	15.63	15.67	15.71	17.00	
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit	
				26090/ 1855	26365/ 1882.5	26640/ 1910		
10MHz	QPSK	1	0	15.94	15.58	15.36	17.00	
		1	25	15.68	15.52	15.33	17.00	
		1	49	15.69	15.41	15.22	17.00	
		25	0	15.42	15.33	15.25	17.00	
		25	13	15.37	15.27	15.27	17.00	
		25	25	15.37	15.30	15.24	17.00	
		50	0	15.34	15.31	15.29	17.00	
	16QAM		1	0	15.79	15.73	15.82	17.00
			1	25	15.78	15.44	15.48	17.00
			1	49	15.73	15.32	15.38	17.00
			25	0	15.65	15.35	15.43	17.00
			25	13	15.49	15.29	15.35	17.00
			25	25	15.62	15.38	15.45	17.00
			50	0	15.66	15.25	15.27	17.00
	64QAM		1	0	15.77	15.87	15.53	17.00
			1	25	15.46	15.43	15.54	17.00
			1	49	15.32	15.73	15.78	17.00
			25	0	15.38	15.68	15.76	17.00
			25	13	15.30	15.45	15.55	17.00
			25	25	15.37	15.83	15.89	17.00
			50	0	15.24	15.69	15.73	17.00
	256QAM		1	0	15.44	15.95	16.02	17.00
			1	25	15.45	15.75	15.85	17.00



Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit	
				26115/ 1857.5	26365/ 1882.5	26615/ 1907.5		
		1	49	15.73	15.68	15.80	17.00	
		25	0	15.70	15.63	15.71	17.00	
		25	13	15.46	15.48	15.57	17.00	
		25	25	15.83	15.59	15.67	17.00	
		50	0	15.67	15.69	15.75	17.00	
15MHz	QPSK	1	0	15.93	15.54	15.34	17.00	
		1	38	15.66	15.51	15.30	17.00	
		1	74	15.66	15.36	15.18	17.00	
		36	0	15.40	15.29	15.22	17.00	
		36	18	15.34	15.22	15.23	17.00	
		36	39	15.34	15.27	15.20	17.00	
		75	0	15.32	15.27	15.24	17.00	
	16QAM	1	0	15.74	15.71	15.80	17.00	
		1	38	15.76	15.41	15.46	17.00	
		1	74	15.70	15.28	15.35	17.00	
		36	0	15.62	15.33	15.40	17.00	
		36	18	15.46	15.24	15.31	17.00	
		36	39	15.60	15.34	15.42	17.00	
		75	0	15.63	15.20	15.23	17.00	
	64QAM	1	0	15.72	15.85	15.51	17.00	
		1	38	15.44	15.40	15.52	17.00	
		1	74	15.33	15.72	15.79	17.00	
		36	0	15.37	15.70	15.77	17.00	
		36	18	15.28	15.42	15.54	17.00	
		36	39	15.35	15.79	15.86	17.00	
		75	0	15.21	15.64	15.69	17.00	
	256QAM	1	0	15.43	15.91	16.00	17.00	
		1	38	15.43	15.74	15.82	17.00	
		1	74	15.70	15.63	15.76	17.00	
		36	0	15.68	15.59	15.68	17.00	
		36	18	15.43	15.43	15.53	17.00	
		36	39	15.80	15.56	15.63	17.00	
		75	0	15.65	15.65	15.70	17.00	
	Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
					26140/ 1860	26365/ 1882.5	26590/ 1905	
20MHz	QPSK	1	0	15.90	15.50	15.31	17.00	
		1	50	15.65	15.47	15.28	17.00	
		1	99	15.64	15.35	15.15	17.00	
		50	0	15.37	15.24	15.18	17.00	



		50	25	15.32	15.18	15.20	17.00
		50	50	15.31	15.22	15.16	17.00
		100	0	15.29	15.22	15.20	17.00
	16QAM	1	0	15.92	15.67	15.75	17.00
		1	50	15.72	15.39	15.42	17.00
		1	99	15.68	15.25	15.33	17.00
		50	0	15.59	15.29	15.37	17.00
		50	25	15.43	15.22	15.28	17.00
		50	50	15.57	15.29	15.38	17.00
		100	0	15.61	15.16	15.20	17.00
	64QAM	1	0	15.70	15.81	15.46	17.00
		1	50	15.40	15.38	15.48	17.00
		1	99	15.27	15.66	15.73	17.00
		50	0	15.32	15.62	15.70	17.00
		50	25	15.24	15.38	15.48	17.00
		50	50	15.32	15.74	15.82	17.00
		100	0	15.19	15.60	15.66	17.00
	256QAM	1	0	15.40	15.87	15.97	17.00
		1	50	15.42	15.70	15.80	17.00
		1	99	15.68	15.62	15.73	17.00
		50	0	15.65	15.54	15.64	17.00
		50	25	15.41	15.39	15.50	17.00
		50	50	15.77	15.51	15.59	17.00
		100	0	15.62	15.60	15.66	17.00

LTE FDD Band 25 Level3				Conducted Power(dBm)			Tune-up Limit
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			
				26047/ 1850.7	26365/ 1882.5	26683/ 1914.3	
1.4MHz	QPSK	1	0	19.73	19.66	19.66	21.30
		1	2	19.56	19.55	19.50	21.30
		1	5	19.55	19.48	19.44	21.30
		3	0	19.73	19.62	19.54	21.30
		3	2	19.71	19.54	19.61	21.30
		3	3	19.69	19.54	19.49	21.30
		6	0	19.71	19.59	19.72	21.30
	16QAM	1	0	20.10	20.06	20.00	21.30
		1	2	19.93	19.88	19.82	21.30
		1	5	19.80	19.74	19.70	21.30
		3	0	19.68	19.64	19.60	21.30
		3	2	19.69	19.62	19.58	21.30
		3	3	19.60	19.55	19.47	21.30



	64QAM	6	0	19.70	19.67	19.65	21.30
		1	0	19.87	19.82	19.79	21.30
		1	2	19.72	19.69	19.65	21.30
		1	5	19.64	19.60	19.54	21.30
		3	0	19.70	19.68	19.63	21.30
		3	2	19.73	19.67	19.64	21.30
		3	3	19.64	19.64	19.56	21.30
		6	0	19.66	19.63	19.59	21.30
	256QAM	1	0	17.90	17.86	17.81	19.30
		1	2	17.86	17.83	17.76	19.30
		1	5	17.83	17.79	17.75	19.30
		3	0	17.63	17.63	17.55	19.30
		3	2	17.70	17.66	17.64	19.30
		3	3	17.81	17.74	17.71	19.30
6	0	17.74	17.74	17.69	19.30		
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				26055/ 1851.5	26365/ 1882.5	26675/ 1913.5	
3MHz	QPSK	1	0	19.75	19.70	19.69	21.30
		1	7	19.56	19.57	19.54	21.30
		1	14	19.58	19.53	19.48	21.30
		8	0	19.77	19.69	19.61	21.30
		8	4	19.74	19.62	19.67	21.30
		8	7	19.73	19.59	19.53	21.30
		15	0	19.73	19.63	19.75	21.30
	16QAM	1	0	20.13	20.08	20.03	21.30
		1	7	19.96	19.90	19.86	21.30
		1	14	19.82	19.78	19.73	21.30
		8	0	19.73	19.68	19.63	21.30
		8	4	19.74	19.69	19.64	21.30
		8	7	19.64	19.61	19.54	21.30
		15	0	19.73	19.71	19.68	21.30
	64QAM	1	0	19.90	19.84	19.82	21.30
		1	7	19.75	19.71	19.69	21.30
		1	14	19.66	19.64	19.57	21.30
		8	0	19.75	19.72	19.66	21.30
		8	4	19.78	19.74	19.70	21.30
		8	7	19.68	19.70	19.63	21.30
		15	0	19.68	19.69	19.64	21.30
	256QAM	1	0	17.92	17.90	17.84	19.30
		1	7	17.86	17.85	17.80	19.30
		1	14	17.86	17.84	17.79	19.30
		8	0	17.67	17.70	17.62	19.30



Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				26065/ 1852.5	26365/ 1882.5	26665/ 1912.5	
		8	4	17.73	17.74	17.70	19.30
		8	7	17.85	17.79	17.75	19.30
		15	0	17.76	17.78	17.72	19.30
5MHz	QPSK	1	0	19.72	19.68	19.65	21.30
		1	13	19.54	19.53	19.51	21.30
		1	24	19.55	19.48	19.44	21.30
		12	0	19.74	19.64	19.57	21.30
		12	6	19.72	19.58	19.62	21.30
		12	13	19.71	19.57	19.49	21.30
		25	0	19.71	19.62	19.73	21.30
	16QAM	1	0	20.10	20.04	20.00	21.30
		1	13	19.93	19.88	19.83	21.30
		1	24	19.79	19.76	19.69	21.30
		12	0	19.71	19.64	19.60	21.30
		12	6	19.71	19.64	19.60	21.30
		12	13	19.61	19.56	19.50	21.30
		25	0	19.71	19.67	19.63	21.30
	64QAM	1	0	19.87	19.80	19.79	21.30
		1	13	19.72	19.69	19.66	21.30
		1	24	19.63	19.62	19.53	21.30
		12	0	19.73	19.68	19.63	21.30
		12	6	19.75	19.69	19.66	21.30
		12	13	19.65	19.65	19.59	21.30
		25	0	19.66	19.65	19.59	21.30
	256QAM	1	0	17.89	17.88	17.80	19.30
		1	13	17.84	17.81	17.77	19.30
		1	24	17.83	17.79	17.75	19.30
		12	0	17.64	17.65	17.58	19.30
		12	6	17.71	17.70	17.65	19.30
		12	13	17.83	17.77	17.71	19.30
		25	0	17.74	17.77	17.70	19.30
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				26090/ 1855	26365/ 1882.5	26640/ 1910	
10MHz	QPSK	1	0	19.73	19.67	19.67	21.30
		1	25	19.55	19.57	19.53	21.30
		1	49	19.56	19.50	19.46	21.30
		25	0	19.75	19.68	19.59	21.30
		25	13	19.74	19.61	19.65	21.30
		25	25	19.71	19.57	19.53	21.30



	16QAM	50	0	19.71	19.63	19.74	21.30	
		1	0	20.09	20.02	20.00	21.30	
		1	25	19.95	19.91	19.81	21.30	
		1	49	19.80	19.74	19.71	21.30	
		25	0	19.69	19.68	19.61	21.30	
		25	13	19.70	19.63	19.61	21.30	
		25	25	19.63	19.60	19.49	21.30	
		50	0	19.70	19.69	19.63	21.30	
	64QAM	1	0	19.87	19.79	19.80	21.30	
		1	25	19.74	19.71	19.66	21.30	
		1	49	19.63	19.59	19.54	21.30	
		25	0	19.75	19.72	19.62	21.30	
		25	13	19.73	19.70	19.65	21.30	
		25	25	19.66	19.66	19.62	21.30	
		50	0	19.68	19.68	19.60	21.30	
	256QAM	1	0	17.90	17.87	17.82	19.30	
		1	25	17.85	17.85	17.79	19.30	
		1	49	17.84	17.81	17.77	19.30	
		25	0	17.65	17.69	17.60	19.30	
		25	13	17.73	17.73	17.68	19.30	
		25	25	17.83	17.77	17.75	19.30	
		50	0	17.74	17.78	17.71	19.30	
	Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
					26115/ 1857.5	26365/ 1882.5	26615/ 1907.5	
	15MHz	QPSK	1	0	19.73	19.65	19.66	21.30
			1	38	19.55	19.57	19.52	21.30
			1	74	19.54	19.47	19.43	21.30
			36	0	19.75	19.65	19.58	21.30
36			18	19.72	19.58	19.62	21.30	
36			39	19.70	19.58	19.50	21.30	
75			0	19.74	19.60	19.72	21.30	
16QAM		1	0	20.07	20.05	20.00	21.30	
		1	38	19.94	19.89	19.84	21.30	
		1	74	19.79	19.74	19.69	21.30	
		36	0	19.71	19.67	19.61	21.30	
		36	18	19.70	19.63	19.59	21.30	
		36	39	19.62	19.57	19.51	21.30	
		75	0	19.71	19.67	19.63	21.30	
64QAM		1	0	19.84	19.81	19.79	21.30	
		1	38	19.73	19.70	19.67	21.30	
		1	74	19.63	19.60	19.53	21.30	
		36	0	19.73	19.71	19.64	21.30	



		36	18	19.74	19.68	19.65	21.30
		36	39	19.66	19.66	19.60	21.30
		75	0	19.66	19.65	19.59	21.30
	256QAM	1	0	17.90	17.85	17.81	19.30
		1	38	17.85	17.85	17.78	19.30
		1	74	17.82	17.78	17.74	19.30
		36	0	17.65	17.66	17.59	19.30
		36	18	17.71	17.70	17.65	19.30
		36	39	17.82	17.78	17.72	19.30
		75	0	17.77	17.75	17.69	19.30
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				26140/ 1860	26365/ 1882.5	26590/ 1905	
20MHz	QPSK	1	0	19.70	19.61	19.63	21.30
		1	50	19.54	19.53	19.50	21.30
		1	99	19.52	19.46	19.40	21.30
		50	0	19.72	19.60	19.54	21.30
		50	25	19.70	19.54	19.59	21.30
		50	50	19.67	19.53	19.46	21.30
		100	0	19.71	19.55	19.68	21.30
	16QAM	1	0	20.05	20.01	19.95	21.30
		1	50	19.90	19.87	19.80	21.30
		1	99	19.77	19.71	19.67	21.30
		50	0	19.68	19.63	19.58	21.30
		50	25	19.67	19.61	19.56	21.30
		50	50	19.59	19.52	19.47	21.30
		100	0	19.69	19.63	19.60	21.30
	64QAM	1	0	19.82	19.77	19.74	21.30
		1	50	19.69	19.68	19.63	21.30
		1	99	19.61	19.57	19.51	21.30
		50	0	19.70	19.67	19.61	21.30
		50	25	19.71	19.66	19.62	21.30
		50	50	19.63	19.61	19.56	21.30
		100	0	19.64	19.61	19.56	21.30
	256QAM	1	0	17.87	17.81	17.78	19.30
		1	50	17.84	17.81	17.76	19.30
		1	99	17.80	17.77	17.71	19.30
		50	0	17.62	17.61	17.55	19.30
		50	25	17.69	17.66	17.62	19.30
		50	50	17.79	17.73	17.68	19.30
		100	0	17.74	17.70	17.65	19.30

LTE FDD Band 25	Conducted Power(dBm)	Tune-up
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Level5				Channel/Frequency (MHz)			Limit
Bandwidth	Modulation	RB size	RB offset	26047/ 1850.7	26365/ 1882.5	26683/ 1914.3	
				1.4MHz	QPSK	1	0
1	2	18.03	18.03			18.00	19.80
1	5	18.04	18.04			18.05	19.80
3	0	18.21	18.28			18.10	19.80
3	2	18.16	18.20			18.21	19.80
3	3	18.21	18.13			18.03	19.80
6	0	18.06	18.06			18.12	19.80
16QAM	1	0	18.55		18.32	18.19	19.80
	1	2	18.54		18.17	18.53	19.80
	1	5	18.44		18.27	18.43	19.80
	3	0	18.25		18.17	18.22	19.80
	3	2	18.18		18.27	18.18	19.80
	3	3	18.17		18.62	18.18	19.80
	6	0	18.14		18.57	18.17	19.80
64QAM	1	0	18.87		18.80	18.90	19.80
	1	2	18.59		18.53	18.60	19.80
	1	5	18.76		18.74	18.79	19.80
	3	0	18.55		18.50	18.58	19.80
	3	2	18.59		18.57	18.63	19.80
	3	3	18.55		18.57	18.62	19.80
	6	0	18.32		18.39	18.41	19.80
256QAM	1	0	17.79		17.72	17.80	19.30
	1	2	17.72		17.71	17.79	19.30
	1	5	17.68		17.63	17.73	19.30
	3	0	17.97		17.98	18.03	19.30
	3	2	17.73		17.72	17.81	19.30
	3	3	18.04		18.01	18.09	19.30
	6	0	17.90		17.95	17.99	19.30
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				26055/ 1851.5	26365/ 1882.5	26675/ 1913.5	
3MHz	QPSK	1	0	18.04	18.10	17.93	19.80
		1	7	18.00	17.98	17.95	19.80
		1	14	17.99	17.98	17.98	19.80
		8	0	18.16	18.19	18.03	19.80
		8	4	18.11	18.11	18.14	19.80
		8	7	18.15	18.05	17.95	19.80
		15	0	18.01	17.97	18.03	19.80
	16QAM	1	0	18.50	18.26	18.12	19.80



		1	7	18.48	18.12	18.47	19.80
		1	14	18.39	18.20	18.38	19.80
		8	0	18.19	18.11	18.16	19.80
		8	4	18.12	18.20	18.11	19.80
		8	7	18.12	18.53	18.11	19.80
		15	0	18.09	18.48	18.10	19.80
	64QAM	1	0	18.80	18.74	18.83	19.80
		1	7	18.53	18.48	18.54	19.80
		1	14	18.71	18.67	18.74	19.80
		8	0	18.49	18.44	18.52	19.80
		8	4	18.53	18.50	18.56	19.80
		8	7	18.50	18.48	18.55	19.80
	256QAM	15	0	18.27	18.30	18.34	19.80
		1	0	17.76	17.68	17.77	19.30
		1	7	17.71	17.67	17.77	19.30
		1	14	17.66	17.62	17.70	19.30
		8	0	17.94	17.93	17.99	19.30
		8	4	17.71	17.68	17.78	19.30
		8	7	18.01	17.96	18.05	19.30
	15	0	17.87	17.90	17.95	19.30	
	Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)		
26065/ 1852.5					26365/ 1882.5	26665/ 1912.5	
5MHz	QPSK	1	0	18.01	18.08	17.89	19.80
		1	13	17.98	17.94	17.92	19.80
		1	24	17.96	17.93	17.94	19.80
		12	0	18.13	18.14	17.99	19.80
		12	6	18.09	18.07	18.09	19.80
		12	13	18.13	18.03	17.91	19.80
		25	0	18.01	17.96	18.01	19.80
	16QAM	1	0	18.47	18.22	18.09	19.80
		1	13	18.45	18.10	18.44	19.80
		1	24	18.36	18.18	18.34	19.80
		12	0	18.17	18.07	18.13	19.80
		12	6	18.09	18.15	18.07	19.80
		12	13	18.09	18.48	18.07	19.80
		25	0	18.07	18.44	18.05	19.80
	64QAM	1	0	18.77	18.74	18.80	19.80
		1	13	18.50	18.50	18.51	19.80
		1	24	18.72	18.65	18.70	19.80
		12	0	18.47	18.40	18.53	19.80
		12	6	18.50	18.45	18.52	19.80
		12	13	18.47	18.43	18.51	19.80



Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				26090/ 1855	26365/ 1882.5	26640/ 1910	
	256QAM	25	0	18.25	18.26	18.29	19.80
		1	0	17.73	17.66	17.73	19.30
		1	13	17.69	17.63	17.74	19.30
		1	24	17.63	17.57	17.66	19.30
		12	0	17.91	17.88	17.95	19.30
		12	6	17.69	17.64	17.73	19.30
		12	13	17.99	17.94	18.01	19.30
		25	0	17.87	17.89	17.93	19.30
10MHz	QPSK	1	0	18.03	18.09	17.92	19.80
		1	25	18.01	17.99	17.96	19.80
		1	49	17.98	17.97	17.97	19.80
		25	0	18.16	18.19	18.03	19.80
		25	13	18.12	18.12	18.13	19.80
		25	25	18.15	18.07	17.96	19.80
		50	0	18.05	17.98	18.05	19.80
	16QAM	1	0	18.49	18.25	18.11	19.80
		1	25	18.48	18.14	18.47	19.80
		1	49	18.39	18.20	18.37	19.80
		25	0	18.20	18.12	18.17	19.80
		25	13	18.11	18.19	18.10	19.80
		25	25	18.12	18.53	18.11	19.80
		50	0	18.10	18.49	18.09	19.80
	64QAM	1	0	18.79	18.73	18.82	19.80
		1	25	18.53	18.50	18.54	19.80
		1	49	18.71	18.67	18.73	19.80
		25	0	18.50	18.45	18.53	19.80
		25	13	18.52	18.49	18.55	19.80
		25	25	18.50	18.48	18.55	19.80
		50	0	18.28	18.31	18.33	19.80
	256QAM	1	0	17.75	17.67	17.76	19.30
		1	25	17.72	17.68	17.78	19.30
		1	49	17.65	17.61	17.69	19.30
		25	0	17.94	17.93	17.99	19.30
		25	13	17.72	17.69	17.77	19.30
		25	25	18.01	17.98	18.06	19.30
		50	0	17.91	17.91	17.97	19.30
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				26115/ 1857.5	26365/ 1882.5	26615/ 1907.5	
15MHz	QPSK	1	0	18.02	18.05	17.90	19.80



		1	38	17.99	17.98	17.93	19.80	
		1	74	17.95	17.92	17.93	19.80	
		36	0	18.14	18.15	18.00	19.80	
		36	18	18.09	18.07	18.09	19.80	
		36	39	18.12	18.04	17.92	19.80	
		75	0	18.03	17.94	18.00	19.80	
	16QAM	1	0	18.44	18.23	18.09	19.80	
		1	38	18.46	18.11	18.45	19.80	
		1	74	18.36	18.16	18.34	19.80	
		36	0	18.17	18.10	18.14	19.80	
		36	18	18.08	18.14	18.06	19.80	
		36	39	18.10	18.49	18.08	19.80	
	64QAM	75	0	18.07	18.44	18.05	19.80	
		1	0	18.74	18.71	18.80	19.80	
		1	38	18.51	18.47	18.52	19.80	
		1	74	18.72	18.66	18.74	19.80	
		36	0	18.49	18.47	18.54	19.80	
		36	18	18.50	18.46	18.54	19.80	
	256QAM	36	39	18.48	18.44	18.52	19.80	
		75	0	18.25	18.26	18.29	19.80	
		1	0	17.74	17.63	17.74	19.30	
		1	38	17.70	17.67	17.75	19.30	
		1	74	17.62	17.56	17.65	19.30	
		36	0	17.92	17.89	17.96	19.30	
	Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
					26140/ 1860	26365/ 1882.5	26590/ 1905	
	20MHz	QPSK	1	0	17.99	18.01	17.87	19.80
			1	50	17.98	17.94	17.91	19.80
1			99	17.93	17.91	17.90	19.80	
50			0	18.11	18.10	17.96	19.80	
50			25	18.07	18.03	18.06	19.80	
50			50	18.09	17.99	17.88	19.80	
16QAM		100	0	18.00	17.89	17.96	19.80	
		1	0	18.07	18.19	18.04	19.80	
		1	50	18.42	18.09	18.41	19.80	
		1	99	18.34	18.13	18.32	19.80	
		50	0	18.14	18.06	18.11	19.80	
		50	25	18.05	18.12	18.03	19.80	
		50	50	18.07	18.44	18.04	19.80	



	64QAM	100	0	18.05	18.40	18.02	19.80
		1	0	18.72	18.67	18.75	19.80
		1	50	18.47	18.45	18.48	19.80
		1	99	18.66	18.60	18.68	19.80
		50	0	18.44	18.39	18.47	19.80
		50	25	18.46	18.42	18.48	19.80
		50	50	18.45	18.39	18.48	19.80
		100	0	18.23	18.22	18.26	19.80
	256QAM	1	0	17.71	17.59	17.71	19.30
		1	50	17.69	17.63	17.73	19.30
		1	99	17.60	17.55	17.62	19.30
		50	0	17.89	17.84	17.92	19.30
		50	25	17.67	17.60	17.70	19.30
		50	50	17.95	17.90	17.98	19.30
100		0	17.86	17.82	17.88	19.30	

LTE FDD Band 25 Level6-D1				Conducted Power(dBm)			Tune-up Limit
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			
				26047/ 1850.7	26365/ 1882.5	26683/ 1914.3	
1.4MHz	QPSK	1	0	22.91	22.93	22.95	24.00
		1	2	22.96	22.95	22.89	24.00
		1	5	22.88	22.89	22.91	24.00
		3	0	23.02	22.95	22.88	24.00
		3	2	22.96	22.93	22.99	24.00
		3	3	22.92	22.94	22.93	24.00
		6	0	21.99	21.97	21.99	23.00
	16QAM	1	0	22.16	22.29	22.37	23.00
		1	2	22.14	22.10	22.15	23.00
		1	5	22.14	22.08	22.14	23.00
		3	0	22.09	22.00	22.06	23.00
		3	2	22.04	21.97	22.06	23.00
		3	3	21.96	21.94	21.98	23.00
		6	0	21.00	21.00	21.09	21.50
	64QAM	1	0	20.73	20.76	20.77	22.00
		1	2	21.07	21.08	21.04	22.00
		1	5	20.83	20.84	20.82	22.00
		3	0	21.28	21.25	21.37	22.00
		3	2	21.26	21.21	21.24	22.00
		3	3	21.25	21.25	21.26	22.00
		6	0	20.30	20.29	20.37	21.00
	256QAM	1	0	18.25	18.16	18.21	19.00



Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				26055/ 1851.5	26365/ 1882.5	26675/ 1913.5	
		1	2	18.11	18.29	18.34	19.00
		1	5	18.24	18.36	18.35	19.00
		3	0	18.32	18.34	18.43	19.00
		3	2	18.31	18.33	18.38	19.00
		3	3	18.45	18.46	18.46	19.00
		6	0	18.22	18.27	18.29	19.00
3MHz	QPSK	1	0	22.93	22.97	22.98	24.00
		1	7	22.94	22.98	22.93	24.00
		1	14	22.91	22.94	22.95	24.00
		8	0	22.12	22.07	22.01	23.00
		8	4	22.08	22.03	22.11	23.00
		8	7	22.02	22.05	22.03	23.00
		15	0	21.99	22.01	22.02	23.00
	16QAM	1	0	22.19	22.31	22.40	23.00
		1	7	22.17	22.10	22.19	23.00
		1	14	22.16	22.12	22.17	23.00
		8	0	21.20	21.13	21.18	22.00
		8	4	21.15	21.10	21.18	22.00
		8	7	21.06	21.06	21.11	22.00
		15	0	21.03	21.04	21.12	22.00
	64QAM	1	0	20.76	20.78	20.80	22.00
		1	7	21.10	21.08	21.06	22.00
		1	14	20.85	20.83	20.85	22.00
		8	0	20.39	20.38	20.49	21.00
		8	4	20.37	20.34	20.36	21.00
		8	7	20.35	20.37	20.39	21.00
		15	0	20.33	20.33	20.40	21.00
	256QAM	1	0	18.28	18.18	18.24	19.00
		1	7	18.14	18.29	18.36	19.00
		1	14	18.26	18.35	18.38	19.00
		8	0	18.23	18.27	18.35	19.00
		8	4	18.22	18.26	18.30	19.00
		8	7	18.35	18.38	18.39	19.00
		15	0	18.25	18.31	18.32	19.00
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				26065/ 1852.5	26365/ 1882.5	26665/ 1912.5	
5MHz	QPSK	1	0	22.90	22.95	22.94	24.00
		1	13	22.92	22.94	22.90	24.00
		1	24	22.88	22.89	22.91	24.00



		12	0	22.09	22.02	21.97	23.00	
		12	6	22.06	21.99	22.06	23.00	
		12	13	22.00	22.03	21.99	23.00	
		25	0	21.99	22.00	22.00	23.00	
	16QAM	1	0	22.16	22.27	22.37	23.00	
		1	13	22.14	22.08	22.16	23.00	
		1	24	22.13	22.10	22.13	23.00	
		12	0	21.18	21.09	21.15	22.00	
		12	6	21.12	21.05	21.14	22.00	
		12	13	21.03	21.01	21.07	22.00	
		25	0	21.01	21.00	21.07	22.00	
	64QAM	1	0	20.73	20.78	20.77	22.00	
		1	13	21.07	21.10	21.03	22.00	
		1	24	20.86	20.81	20.81	22.00	
		12	0	20.37	20.34	20.50	21.00	
		12	6	20.34	20.29	20.32	21.00	
		12	13	20.32	20.32	20.35	21.00	
		25	0	20.31	20.29	20.35	21.00	
	256QAM	1	0	18.25	18.18	18.21	19.00	
		1	13	18.11	18.31	18.33	19.00	
		1	24	18.27	18.33	18.34	19.00	
		12	0	18.21	18.23	18.36	19.00	
		12	6	18.19	18.21	18.26	19.00	
		12	13	18.32	18.33	18.35	19.00	
		25	0	18.23	18.27	18.27	19.00	
	Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
					26090/ 1855	26365/ 1882.5	26640/ 1910	
	10MHz	QPSK	1	0	23.10	23.13	23.19	24.00
1			25	23.23	23.24	23.25	24.00	
1			49	23.20	23.15	23.17	24.00	
25			0	22.21	22.24	22.19	23.00	
25			13	22.23	22.26	22.17	23.00	
25			25	22.22	22.18	22.21	23.00	
50			0	22.15	22.17	22.22	23.00	
16QAM		1	0	22.12	22.05	22.09	23.00	
		1	25	22.23	22.18	22.20	23.00	
		1	49	22.28	22.23	22.29	23.00	
		25	0	21.21	21.20	21.28	22.00	
		25	13	21.31	21.28	21.32	22.00	
		25	25	21.34	21.30	21.35	22.00	
		50	0	21.23	21.19	21.23	22.00	
64QAM		1	0	21.18	21.50	21.51	22.00	



Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit	
				26115/ 1857.5	26365/ 1882.5	26615/ 1907.5		
15MHz	256QAM	1	25	21.22	21.28	21.20	22.00	
		1	49	21.50	21.43	21.39	22.00	
		25	0	20.58	20.62	20.60	21.00	
		25	13	20.62	20.67	20.72	21.00	
		25	25	20.66	20.63	20.59	21.00	
		50	0	20.44	20.47	20.50	21.00	
	256QAM	1	0	18.27	18.17	18.23	19.00	
		1	25	18.14	18.31	18.36	19.00	
		1	49	18.26	18.35	18.37	19.00	
		25	0	18.24	18.28	18.36	19.00	
		25	13	18.21	18.25	18.29	19.00	
		25	25	18.35	18.38	18.39	19.00	
	15MHz	QPSK	1	0	22.91	22.92	22.95	24.00
			1	38	22.93	22.98	22.91	24.00
			1	74	22.87	22.88	22.90	24.00
			36	0	22.10	22.03	21.98	23.00
			36	18	22.06	21.99	22.06	23.00
			36	39	21.99	22.04	22.00	23.00
16QAM		75	0	22.01	21.98	21.99	23.00	
		1	0	22.13	22.28	22.37	23.00	
		1	38	22.15	22.09	22.17	23.00	
		1	74	22.13	22.08	22.13	23.00	
		36	0	21.18	21.12	21.16	22.00	
		36	18	21.11	21.04	21.13	22.00	
64QAM		36	39	21.04	21.02	21.08	22.00	
		75	0	21.01	21.00	21.07	22.00	
		1	0	20.70	20.75	20.77	22.00	
		1	38	21.08	21.07	21.04	22.00	
		1	74	20.86	20.82	20.85	22.00	
		36	0	20.39	20.41	20.51	21.00	
256QAM		36	18	20.34	20.30	20.34	21.00	
		36	39	20.33	20.33	20.36	21.00	
		75	0	20.31	20.29	20.35	21.00	
		1	0	18.22	18.15	18.21	19.00	
		1	38	18.12	18.28	18.34	19.00	
		1	74	18.27	18.34	18.38	19.00	
256QAM	36	0	18.23	18.30	18.37	19.00		
	36	18	18.19	18.22	18.28	19.00		
	36	39	18.33	18.34	18.36	19.00		



Bandwidth	Modulation	75	0	18.23	18.27	18.27	19.00
		RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				26140/ 1860	26365/ 1882.5	26590/ 1905	
20MHz	QPSK	1	0	22.88	22.88	22.92	24.00
		1	50	22.92	22.99	22.89	24.00
		1	99	22.85	22.87	22.87	24.00
		50	0	22.07	21.98	21.94	23.00
		50	25	22.04	21.95	22.03	23.00
		50	50	21.96	21.99	21.96	23.00
		100	0	21.98	21.93	21.95	23.00
	16QAM	1	0	22.29	22.24	22.32	23.00
		1	50	22.11	22.07	22.13	23.00
		1	99	22.11	22.05	22.11	23.00
		50	0	21.15	21.08	21.13	22.00
		50	25	21.08	21.02	21.10	22.00
		50	50	21.01	20.97	21.04	22.00
		100	0	20.99	20.96	21.04	22.00
	64QAM	1	0	20.68	20.71	20.72	22.00
		1	50	21.04	21.05	21.00	22.00
		1	99	20.80	20.76	20.79	22.00
		50	0	20.34	20.33	20.44	21.00
		50	25	20.30	20.26	20.28	21.00
		50	50	20.30	20.28	20.32	21.00
		100	0	20.29	20.25	20.32	21.00
	256QAM	1	0	18.20	18.11	18.16	19.00
		1	50	18.08	18.26	18.30	19.00
		1	99	18.21	18.28	18.32	19.00
		50	0	18.18	18.22	18.30	19.00
		50	25	18.15	18.18	18.22	19.00
		50	50	18.30	18.29	18.32	19.00
		100	0	18.21	18.23	18.24	19.00

LTE FDD Band 25 Level7-D1				Conducted Power(dBm)			Tune-up Limit
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			
				26047/ 1850.7	26365/ 1882.5	26683/ 1914.3	
1.4MHz	QPSK	1	0	21.78	21.66	21.79	23.50
		1	2	21.70	21.80	21.78	23.50
		1	5	21.75	21.67	21.73	23.50
		3	0	22.03	22.03	21.92	23.50
		3	2	21.96	21.93	21.92	23.50



		3	3	21.97	21.96	21.99	23.50	
		6	0	21.66	21.57	21.66	23.50	
	16QAM	1	0	21.60	21.63	21.72	23.50	
		1	2	21.58	21.55	21.59	23.50	
		1	5	21.68	21.63	21.74	23.50	
		3	0	21.69	21.62	21.73	23.50	
		3	2	21.84	21.78	21.88	23.50	
		3	3	21.78	21.74	21.83	23.50	
		6	0	20.74	20.72	20.79	22.50	
		64QAM	1	0	21.14	21.22	21.21	22.50
	1		2	21.11	21.05	21.18	22.50	
	1		5	21.07	21.07	21.12	22.50	
	3		0	21.40	21.32	21.44	22.50	
	3		2	21.04	20.97	21.11	22.50	
	3		3	21.12	21.09	21.16	22.50	
	6		0	18.66	18.64	18.74	20.50	
	256QAM	1	0	18.36	18.37	18.46	19.00	
		1	2	18.14	18.12	18.24	19.00	
		1	5	18.27	18.24	18.36	19.00	
		3	0	18.08	18.10	18.17	19.00	
		3	2	18.21	18.23	18.34	19.00	
		3	3	17.97	17.94	18.05	19.00	
		6	0	18.32	18.38	18.46	19.00	
	Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
					26055/ 1851.5	26365/ 1882.5	26675/ 1913.5	
	3MHz	QPSK	1	0	21.80	21.70	21.82	23.50
			1	7	21.68	21.83	21.82	23.50
			1	14	21.78	21.72	21.77	23.50
8			0	21.73	21.75	21.65	23.00	
8			4	21.68	21.63	21.64	23.50	
8			7	21.67	21.67	21.69	23.50	
15			0	21.66	21.61	21.69	23.50	
16QAM		1	0	21.63	21.65	21.75	23.50	
		1	7	21.61	21.55	21.63	23.50	
		1	14	21.70	21.67	21.77	23.50	
		8	0	20.80	20.75	20.85	22.50	
		8	4	20.95	20.91	21.00	22.50	
		8	7	20.88	20.86	20.96	22.50	
		15	0	20.77	20.76	20.82	22.50	
64QAM		1	0	21.17	21.24	21.24	22.50	
		1	7	21.14	21.05	21.20	22.50	
		1	14	21.09	21.06	21.15	22.50	



		8	0	19.01	18.95	19.06	20.50	
		8	4	18.65	18.60	18.73	20.50	
		8	7	18.72	18.71	18.79	20.50	
		15	0	18.69	18.68	18.77	20.50	
	256QAM	1	0	18.32	18.29	18.41	19.00	
		1	7	18.11	18.07	18.19	19.00	
		1	14	18.22	18.18	18.29	19.00	
		8	0	18.03	18.01	18.10	19.00	
		8	4	18.16	18.14	18.27	19.00	
		8	7	17.91	17.86	17.97	19.00	
		15	0	18.27	18.29	18.37	19.00	
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit	
				26065/ 1852.5	26365/ 1882.5	26665/ 1912.5		
5MHz	QPSK	1	0	21.77	21.68	21.78	23.50	
		1	13	21.66	21.79	21.79	23.50	
		1	24	21.75	21.67	21.73	23.50	
		12	0	21.70	21.70	21.61	23.00	
		12	6	21.66	21.59	21.59	23.50	
		12	13	21.65	21.65	21.65	23.50	
		25	0	21.66	21.60	21.67	23.50	
	16QAM	1	0	21.60	21.61	21.72	23.50	
		1	13	21.58	21.53	21.60	23.50	
		1	24	21.67	21.65	21.73	23.50	
		12	0	20.78	20.71	20.82	22.50	
		12	6	20.92	20.86	20.96	22.50	
		12	13	20.85	20.81	20.92	22.50	
		25	0	20.75	20.72	20.77	22.50	
	64QAM	1	0	21.14	21.24	21.21	22.50	
		1	13	21.11	21.07	21.17	22.50	
		1	24	21.10	21.04	21.11	22.50	
		12	0	18.99	18.91	19.07	20.50	
		12	6	18.62	18.55	18.69	20.50	
		12	13	18.69	18.66	18.75	20.50	
		25	0	18.67	18.64	18.72	20.50	
	256QAM	1	0	18.29	18.27	18.37	19.00	
		1	13	18.09	18.03	18.16	19.00	
		1	24	18.19	18.13	18.25	19.00	
		12	0	18.00	17.96	18.06	19.00	
		12	6	18.14	18.10	18.22	19.00	
		12	13	17.89	17.84	17.93	19.00	
		25	0	18.27	18.28	18.35	19.00	
	Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up



				26090/ 1855	26365/ 1882.5	26640/ 1910	Limit
10MHz	QPSK	1	0	21.79	21.69	21.81	23.50
		1	25	21.69	21.84	21.83	23.50
		1	49	21.77	21.71	21.76	23.50
		25	0	21.73	21.75	21.65	23.00
		25	13	21.69	21.64	21.63	23.50
		25	25	21.67	21.69	21.70	23.50
		50	0	21.70	21.62	21.71	23.50
	16QAM	1	0	21.62	21.64	21.74	23.50
		1	25	21.61	21.57	21.63	23.50
		1	49	21.70	21.67	21.76	23.50
		25	0	20.81	20.76	20.86	22.50
		25	13	20.94	20.90	20.99	22.50
		25	25	20.88	20.86	20.96	22.50
		50	0	20.78	20.77	20.81	22.50
	64QAM	1	0	21.16	21.23	21.23	22.50
		1	25	21.14	21.07	21.20	22.50
		1	49	21.09	21.06	21.14	22.50
		25	0	19.02	18.96	19.07	20.50
		25	13	18.64	18.59	18.72	20.50
		25	25	18.72	18.71	18.79	20.50
		50	0	18.70	18.69	18.76	20.50
	256QAM	1	0	18.31	18.28	18.40	19.00
		1	25	18.12	18.08	18.20	19.00
		1	49	18.21	18.17	18.28	19.00
		25	0	18.03	18.01	18.10	19.00
		25	13	18.17	18.15	18.26	19.00
		25	25	17.91	17.88	17.98	19.00
		50	0	18.31	18.30	18.39	19.00
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				26115/ 1857.5	26365/ 1882.5	26615/ 1907.5	
15MHz	QPSK	1	0	21.78	21.65	21.79	23.50
		1	38	21.67	21.83	21.80	23.50
		1	74	21.74	21.66	21.72	23.50
		36	0	21.71	21.71	21.62	23.00
		36	18	21.66	21.59	21.59	23.50
		36	39	21.64	21.66	21.66	23.50
		75	0	21.68	21.58	21.66	23.50
	16QAM	1	0	21.57	21.62	21.72	23.50
		1	38	21.59	21.54	21.61	23.50
		1	74	21.67	21.63	21.73	23.50



		36	0	20.78	20.74	20.83	22.50	
		36	18	20.91	20.85	20.95	22.50	
		36	39	20.86	20.82	20.93	22.50	
		75	0	20.75	20.72	20.77	22.50	
	64QAM	1	0	21.11	21.21	21.21	22.50	
		1	38	21.12	21.04	21.18	22.50	
		1	74	21.10	21.05	21.15	22.50	
		36	0	19.01	18.98	19.08	20.50	
		36	18	18.62	18.56	18.71	20.50	
		36	39	18.70	18.67	18.76	20.50	
		75	0	18.67	18.64	18.72	20.50	
	256QAM	1	0	18.30	18.24	18.38	19.00	
		1	38	18.10	18.07	18.17	19.00	
		1	74	18.18	18.12	18.24	19.00	
		36	0	18.01	17.97	18.07	19.00	
		36	18	18.14	18.10	18.22	19.00	
		36	39	17.88	17.85	17.94	19.00	
		75	0	18.29	18.26	18.34	19.00	
	Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
					26140/ 1860	26365/ 1882.5	26590/ 1905	
	20MHz	QPSK	1	0	21.75	21.61	21.76	23.50
1			50	21.66	21.79	21.78	23.50	
1			99	21.72	21.65	21.69	23.50	
50			0	21.68	21.66	21.58	23.00	
50			25	21.64	21.55	21.56	23.50	
50			50	21.61	21.61	21.62	23.50	
100			0	21.65	21.53	21.62	23.50	
16QAM		1	0	21.62	21.58	21.67	23.50	
		1	50	21.55	21.52	21.57	23.50	
		1	99	21.65	21.60	21.71	23.50	
		50	0	20.75	20.70	20.80	22.50	
		50	25	20.88	20.83	20.92	22.50	
		50	50	20.83	20.77	20.89	22.50	
		100	0	20.73	20.68	20.74	22.50	
64QAM		1	0	21.09	21.17	21.16	22.50	
		1	50	21.08	21.02	21.14	22.50	
		1	99	21.04	20.99	21.09	22.50	
		50	0	18.96	18.90	19.01	20.50	
		50	25	18.58	18.52	18.65	20.50	
		50	50	18.67	18.62	18.72	20.50	
		100	0	18.65	18.60	18.69	20.50	
256QAM	1	0	18.27	18.20	18.35	19.00		



		1	50	18.09	18.03	18.15	19.00
		1	99	18.16	18.11	18.21	19.00
		50	0	17.98	17.92	18.03	19.00
		50	25	18.12	18.06	18.19	19.00
		50	50	17.85	17.80	17.90	19.00
		100	0	18.26	18.21	18.30	19.00

Ant 6

LTE FDD Band 26 Full Power&Level2&Level3&Level5				Conducted Power(dBm)			Tune-up Limit
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			
				26697/814.7	26865/831.5	27033/848.3	
1.4MHz	QPSK	1	0	22.91	22.93	22.95	24.80
		1	2	22.96	22.95	22.89	24.80
		1	5	22.88	22.89	22.91	24.80
		3	0	23.02	22.95	22.88	24.80
		3	2	22.96	22.93	22.99	24.80
		3	3	22.92	22.94	22.93	24.80
		6	0	21.99	21.97	21.99	23.80
	16QAM	1	0	22.16	22.29	22.37	23.80
		1	2	22.14	22.10	22.15	23.80
		1	5	22.14	22.08	22.14	23.80
		3	0	22.09	22.00	22.06	23.80
		3	2	22.04	21.97	22.06	23.80
		3	3	21.96	21.94	21.98	23.80
		6	0	21.00	21.00	21.09	22.80
	64QAM	1	0	20.93	20.96	20.97	22.80
		1	2	21.07	21.08	21.04	22.80
		1	5	20.83	20.84	20.82	22.80
		3	0	21.28	21.25	21.37	22.80
		3	2	21.26	21.21	21.24	22.80
		3	3	21.25	21.25	21.26	22.80
		6	0	20.30	20.29	20.37	21.80
	256QAM	1	0	18.26	18.35	18.27	19.80
		1	2	18.39	18.35	18.34	19.80
		1	5	18.25	18.32	18.35	19.80
		3	0	19.14	19.07	19.16	19.80
		3	2	19.21	19.11	19.20	19.80
		3	3	19.12	19.16	19.16	19.80
		6	0	18.17	18.22	18.28	19.80
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
3MHz	QPSK	1	0	26705/815.5	26865/831.5	27025/847.5	24.80



		1	7	22.94	22.98	22.93	24.80	
		1	14	22.91	22.94	22.95	24.80	
		8	0	22.12	22.07	22.01	23.80	
		8	4	22.08	22.03	22.11	23.80	
		8	7	22.02	22.05	22.03	23.80	
		15	0	21.99	22.01	22.02	23.80	
	16QAM	1	0	22.19	22.31	22.40	23.80	
		1	7	22.17	22.10	22.19	23.80	
		1	14	22.16	22.12	22.17	23.80	
		8	0	21.20	21.13	21.18	22.80	
		8	4	21.15	21.10	21.18	22.80	
		8	7	21.06	21.06	21.11	22.80	
	64QAM	15	0	21.03	21.04	21.12	22.80	
		1	0	20.96	20.98	21.00	22.80	
		1	7	21.10	21.08	21.06	22.80	
		1	14	20.85	20.83	20.85	22.80	
		8	0	20.39	20.38	20.49	21.80	
		8	4	20.37	20.34	20.36	21.80	
	256QAM	8	7	20.35	20.37	20.39	21.80	
		15	0	20.33	20.33	20.40	21.80	
		1	0	18.29	18.37	18.30	19.80	
		1	7	18.42	18.35	18.36	19.80	
		1	14	18.27	18.31	18.38	19.80	
		8	0	18.25	18.20	18.28	19.80	
	5MHz	QPSK	8	4	18.32	18.24	18.32	19.80
			8	7	18.22	18.28	18.29	19.80
			15	0	18.20	18.26	18.31	19.80
			1	0	22.90	22.95	22.94	24.80
1			13	22.92	22.94	22.90	24.80	
1			24	22.88	22.89	22.91	24.80	
12			0	22.09	22.02	21.97	23.80	
12		6	22.06	21.99	22.06	23.80		
16QAM	12	13	22.00	22.03	21.99	23.80		
	25	0	21.99	22.00	22.00	23.80		
	1	0	22.16	22.27	22.37	23.80		
	1	13	22.14	22.08	22.16	23.80		
	1	24	22.13	22.10	22.13	23.80		
	12	0	21.18	21.09	21.15	22.80		
	12	6	21.12	21.05	21.14	22.80		
12	13	21.03	21.01	21.07	22.80			
25	0	21.01	21.00	21.07	22.80			
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit	
				26715/816.5	26865/831.5	27015/846.5		



	64QAM	1	0	20.93	20.98	20.97	22.80
		1	13	21.07	21.10	21.03	22.80
		1	24	20.86	20.81	20.81	22.80
		12	0	20.37	20.34	20.50	21.80
		12	6	20.34	20.29	20.32	21.80
		12	13	20.32	20.32	20.35	21.80
		25	0	20.31	20.29	20.35	21.80
	256QAM	1	0	18.26	18.37	18.27	19.80
		1	13	18.39	18.37	18.33	19.80
		1	24	18.28	18.29	18.34	19.80
		12	0	18.23	18.16	18.29	19.80
		12	6	18.29	18.19	18.28	19.80
		12	13	18.19	18.23	18.25	19.80
		25	0	18.18	18.22	18.26	19.80
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				26750/820	26865/831.5	26990/844	
10MHz	QPSK	1	0	23.10	23.13	23.19	24.80
		1	25	23.23	23.24	23.25	24.80
		1	49	23.20	23.15	23.17	24.80
		25	0	22.21	22.24	22.19	23.80
		25	13	22.23	22.26	22.17	23.80
		25	25	22.22	22.18	22.21	23.80
		50	0	22.15	22.17	22.22	23.80
	16QAM	1	0	22.12	22.05	22.09	23.80
		1	25	22.23	22.18	22.20	23.80
		1	49	22.28	22.23	22.29	23.80
		25	0	21.21	21.20	21.28	22.80
		25	13	21.31	21.28	21.32	22.80
		25	25	21.34	21.30	21.35	22.80
		50	0	21.23	21.19	21.23	22.80
	64QAM	1	0	21.18	21.50	21.51	22.80
		1	25	21.22	21.28	21.20	22.80
		1	49	21.50	21.43	21.39	22.80
		25	0	20.58	20.62	20.60	21.80
		25	13	20.62	20.67	20.72	21.80
		25	25	20.66	20.63	20.59	21.80
		50	0	20.44	20.47	20.50	21.80
	256QAM	1	0	18.28	18.36	18.29	19.80
		1	25	18.42	18.37	18.36	19.80
		1	49	18.27	18.31	18.37	19.80
		25	0	18.26	18.21	18.29	19.80
		25	13	18.31	18.23	18.31	19.80
		25	25	18.22	18.28	18.29	19.80



Bandwidth	Modulation	50	0	18.21	18.27	18.30	19.80
		RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				26775/822.5	26865/831.5	26965/841.5	
15MHz	QPSK	1	0	22.96	22.97	23.02	24.80
		1	38	23.05	22.99	22.96	24.80
		1	74	23.02	22.81	22.92	24.80
		36	0	22.01	21.98	21.97	23.80
		36	18	22.06	22.01	22.09	23.80
		36	39	22.13	22.08	22.05	23.80
		75	0	22.09	21.97	22.03	23.80
	16QAM	1	0	22.15	22.12	22.16	23.80
		1	38	22.22	22.21	22.23	23.80
		1	74	22.36	22.31	22.34	23.80
		36	0	21.03	21.02	21.06	22.80
		36	18	21.11	21.08	21.10	22.80
		36	39	21.15	21.11	21.16	22.80
		75	0	21.11	21.07	21.11	22.80
	64QAM	1	0	21.32	21.27	21.30	22.80
		1	38	21.32	21.26	21.18	22.80
		1	74	21.40	21.39	21.42	22.80
		36	0	20.22	20.27	20.30	21.80
		36	18	20.30	20.22	20.18	21.80
		36	39	20.33	20.32	20.33	21.80
		75	0	20.24	20.25	20.14	21.80
	256QAM	1	0	18.21	18.30	18.22	19.80
		1	38	18.36	18.32	18.30	19.80
		1	74	18.22	18.24	18.32	19.80
		36	0	18.20	18.15	18.23	19.80
		36	18	18.25	18.16	18.24	19.80
		36	39	18.17	18.19	18.22	19.80
		75	0	18.16	18.18	18.23	19.80

LTE FDD Band 26 Level1&Level4				Conducted Power(dBm)			Tune-up Limit
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			
				26697/814.7	26865/831.5	27033/848.3	
1.4MHz	QPSK	1	0	20.25	20.30	20.13	21.80
		1	2	20.17	20.16	20.14	21.80
		1	5	20.24	20.12	20.04	21.80
		3	0	20.13	20.27	20.16	21.80
		3	2	20.24	20.17	20.15	21.80
		3	3	20.26	20.30	20.26	21.80
		6	0	20.25	20.32	20.21	21.80



	16QAM	1	0	20.33	20.29	20.24	21.80
		1	2	20.47	20.42	20.37	21.80
		1	5	20.59	20.53	20.50	21.80
		3	0	20.29	20.25	20.22	21.80
		3	2	20.28	20.21	20.18	21.80
		3	3	20.29	20.24	20.17	21.80
		6	0	20.22	20.19	20.18	21.80
	64QAM	1	0	20.04	19.99	19.97	21.80
		1	2	20.15	20.12	20.09	21.80
		1	5	20.03	19.99	19.94	21.80
		3	0	20.26	20.24	20.20	21.80
		3	2	20.47	20.41	20.39	21.80
		3	3	20.33	20.33	20.26	21.80
		6	0	20.29	20.26	20.23	21.80
	256QAM	1	0	17.97	17.93	17.89	19.30
		1	2	17.67	17.64	17.58	19.30
		1	5	17.87	17.83	17.80	19.30
		3	0	17.87	17.87	17.80	19.30
		3	2	17.79	17.75	17.74	19.30
		3	3	18.01	17.94	17.92	19.30
		6	0	17.75	17.75	17.71	19.30
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				26705/815.5	26865/831.5	27025/847.5	
3MHz	QPSK	1	0	20.24	20.32	20.12	21.80
		1	7	20.15	20.14	20.15	21.80
		1	14	20.24	20.12	20.04	21.80
		8	0	20.14	20.29	20.19	21.80
		8	4	20.25	20.21	20.16	21.80
		8	7	20.28	20.33	20.26	21.80
		15	0	20.25	20.35	20.22	21.80
	16QAM	1	0	20.33	20.27	20.24	21.80
		1	7	20.47	20.42	20.38	21.80
		1	14	20.58	20.55	20.49	21.80
		8	0	20.32	20.25	20.22	21.80
		8	4	20.30	20.23	20.20	21.80
		8	7	20.30	20.25	20.20	21.80
		15	0	20.23	20.19	20.16	21.80
	64QAM	1	0	20.04	19.97	19.97	21.80
		1	7	20.15	20.12	20.10	21.80
		1	14	20.02	20.01	19.93	21.80
		8	0	20.29	20.24	20.20	21.80
		8	4	20.49	20.43	20.41	21.80
		8	7	20.34	20.34	20.29	21.80



Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				26715/816.5	26865/831.5	27015/846.5	
	256QAM	15	0	20.29	20.28	20.23	21.80
		1	0	17.96	17.95	17.88	19.30
		1	7	17.65	17.62	17.59	19.30
		1	14	17.87	17.83	17.80	19.30
		8	0	17.88	17.89	17.83	19.30
		8	4	17.80	17.79	17.75	19.30
		8	7	18.03	17.97	17.92	19.30
		15	0	17.75	17.78	17.72	19.30
5MHz	QPSK	1	0	20.25	20.31	20.14	21.80
		1	13	20.16	20.18	20.17	21.80
		1	24	20.25	20.14	20.06	21.80
		12	0	20.15	20.33	20.21	21.80
		12	6	20.27	20.24	20.19	21.80
		12	13	20.28	20.33	20.30	21.80
		25	0	20.25	20.36	20.23	21.80
	16QAM	1	0	20.32	20.25	20.24	21.80
		1	13	20.49	20.45	20.36	21.80
		1	24	20.59	20.53	20.51	21.80
		12	0	20.30	20.29	20.23	21.80
		12	6	20.29	20.22	20.21	21.80
		12	13	20.32	20.29	20.19	21.80
		25	0	20.22	20.21	20.16	21.80
	64QAM	1	0	20.04	19.96	19.98	21.80
		1	13	20.17	20.14	20.10	21.80
		1	24	20.02	19.98	19.94	21.80
		12	0	20.31	20.28	20.19	21.80
		12	6	20.47	20.44	20.40	21.80
		12	13	20.35	20.35	20.32	21.80
		25	0	20.31	20.31	20.24	21.80
	256QAM	1	0	17.97	17.94	17.90	19.30
		1	13	17.66	17.66	17.61	19.30
		1	24	17.88	17.85	17.82	19.30
		12	0	17.89	17.93	17.85	19.30
		12	6	17.82	17.82	17.78	19.30
		12	13	18.03	17.97	17.96	19.30
		25	0	17.75	17.79	17.73	19.30
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				26750/820	26865/831.5	26990/844	
10MHz	QPSK	1	0	20.25	20.29	20.13	21.80
		1	25	20.16	20.18	20.16	21.80
		1	49	20.23	20.11	20.03	21.80



		25	0	20.15	20.30	20.20	21.80	
		25	13	20.25	20.21	20.16	21.80	
		25	25	20.27	20.34	20.27	21.80	
		50	0	20.28	20.33	20.21	21.80	
	16QAM	1	0	20.30	20.28	20.24	21.80	
		1	25	20.48	20.43	20.39	21.80	
		1	49	20.58	20.53	20.49	21.80	
		25	0	20.32	20.28	20.23	21.80	
		25	13	20.29	20.22	20.19	21.80	
		25	25	20.31	20.26	20.21	21.80	
		50	0	20.23	20.19	20.16	21.80	
		64QAM	1	0	20.01	19.98	19.97	21.80
	1		25	20.16	20.13	20.11	21.80	
	1		49	20.02	19.99	19.93	21.80	
	25		0	20.29	20.27	20.21	21.80	
	25		13	20.48	20.42	20.40	21.80	
	25		25	20.35	20.35	20.30	21.80	
	50		0	20.29	20.28	20.23	21.80	
	256QAM		1	0	17.97	17.92	17.89	19.30
		1	25	17.66	17.66	17.60	19.30	
		1	49	17.86	17.82	17.79	19.30	
		25	0	17.89	17.90	17.84	19.30	
		25	13	17.80	17.79	17.75	19.30	
		25	25	18.02	17.98	17.93	19.30	
		50	0	17.78	17.76	17.71	19.30	
		Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)		
	26775/822.5					26865/831.5	26965/841.5	
	15MHz	QPSK	1	0	20.22	20.25	20.10	21.80
1			38	20.15	20.14	20.14	21.80	
1			74	20.21	20.10	20.00	21.80	
36			0	20.12	20.25	20.16	21.80	
36			18	20.23	20.17	20.13	21.80	
36			39	20.24	20.29	20.23	21.80	
75			0	20.25	20.28	20.17	21.80	
16QAM			1	0	20.28	20.24	20.19	21.80
		1	38	20.44	20.41	20.35	21.80	
		1	74	20.56	20.50	20.47	21.80	
		36	0	20.29	20.24	20.20	21.80	
		36	18	20.26	20.20	20.16	21.80	
		36	39	20.28	20.21	20.17	21.80	
		75	0	20.21	20.15	20.13	21.80	
		64QAM	1	0	19.99	19.94	19.92	21.80
1			38	20.12	20.11	20.07	21.80	



		1	74	20.00	19.96	19.91	21.80
		36	0	20.26	20.23	20.18	21.80
		36	18	20.45	20.40	20.37	21.80
		36	39	20.32	20.30	20.26	21.80
		75	0	20.27	20.24	20.20	21.80
	256QAM	1	0	17.94	17.88	17.86	19.30
		1	38	17.65	17.62	17.58	19.30
		1	74	17.84	17.81	17.76	19.30
		36	0	17.86	17.85	17.80	19.30
		36	18	17.78	17.75	17.72	19.30
		36	39	17.99	17.93	17.89	19.30
		75	0	17.75	17.71	17.67	19.30

Ant 3

LTE TDD Band 38 Full Power&Level1&Level2&Level3&Level4& Level5&Level6-D1&Level6-D2&Level7-D1				Conducted Power(dBm)			Tune-up Limit
BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)			
				37775/2572.5	38000/2595	38225/2617.5	
5MHz	QPSK	1	0	22.99	23.08	23.11	24.80
		1	13	23.21	23.08	23.23	24.80
		1	24	23.20	23.15	23.28	24.80
		12	0	22.08	22.23	22.20	23.80
		12	6	22.20	22.28	22.19	23.80
		12	13	22.19	22.17	22.13	23.80
		25	0	22.24	22.18	22.31	23.80
	16QAM	1	0	22.31	22.12	22.30	23.80
		1	13	22.29	22.21	22.26	23.80
		1	24	22.25	22.23	22.22	23.80
		12	0	21.26	21.19	21.23	22.30
		12	6	21.33	21.25	21.30	22.30
		12	13	21.34	21.31	21.32	22.30
		25	0	21.15	21.13	21.14	22.30
	64QAM	1	0	20.50	20.47	20.41	22.30
		1	13	20.69	20.66	20.69	22.30
		1	24	20.71	20.64	20.62	22.30
		12	0	20.23	20.12	20.24	21.80
		12	6	20.24	20.20	20.15	21.80
		12	13	20.34	20.29	20.25	21.80
		25	0	20.24	20.24	20.21	21.80
	256QAM	1	0	18.32	18.38	18.29	19.80
		1	13	18.22	18.37	18.37	19.80
		1	24	18.35	18.45	18.52	19.80



BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)			Tune-up Limit	
				37800/2575	38000/2595	38200/2615		
		12	0	18.30	18.50	18.41	19.80	
		12	6	18.23	18.38	18.39	19.80	
		12	13	18.48	18.46	18.48	19.80	
		25	0	18.27	18.50	18.45	19.80	
10MHz	QPSK	1	0	23.10	23.13	23.19	24.80	
		1	25	23.23	23.24	23.25	24.80	
		1	49	23.20	23.15	23.17	24.80	
		25	0	22.21	22.24	22.19	23.80	
		25	13	22.23	22.26	22.17	23.80	
		25	25	22.22	22.18	22.21	23.80	
		50	0	22.15	22.17	22.22	23.80	
	16QAM	1	0	22.12	22.05	22.09	23.80	
		1	25	22.23	22.18	22.20	23.80	
		1	49	22.28	22.23	22.29	23.80	
		25	0	21.21	21.20	21.28	22.30	
		25	13	21.31	21.28	21.32	22.30	
		25	25	21.34	21.30	21.35	22.30	
		50	0	21.23	21.19	21.23	22.30	
	64QAM	1	0	21.18	21.50	21.51	22.30	
		1	25	21.22	21.28	21.20	22.30	
		1	49	21.50	21.43	21.39	22.30	
		25	0	20.58	20.62	20.60	21.80	
		25	13	20.62	20.67	20.72	21.80	
		25	25	20.66	20.63	20.59	21.80	
		50	0	20.44	20.47	20.50	21.80	
	256QAM	1	0	18.31	18.37	18.28	19.80	
		1	25	18.23	18.38	18.38	19.80	
		1	49	18.34	18.44	18.51	19.80	
		25	0	18.30	18.50	18.41	19.80	
		25	13	18.24	18.39	18.38	19.80	
		25	25	18.48	18.48	18.49	19.80	
		50	0	18.31	18.51	18.47	19.80	
	BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)			Tune-up Limit
					37825/2577.5	38000/2595	38175/2612.5	
	15MHz	QPSK	1	0	22.96	22.97	23.02	24.80
			1	38	23.05	22.99	22.96	24.80
1			74	23.02	22.81	22.92	24.80	
36			0	22.01	21.98	21.97	23.80	
36			18	22.06	22.01	22.09	23.80	
36			39	22.13	22.08	22.05	23.80	
75			0	22.09	21.97	22.03	23.80	



	16QAM	1	0	22.15	22.12	22.16	23.80
		1	38	22.22	22.21	22.23	23.80
		1	74	22.36	22.31	22.34	23.80
		36	0	21.03	21.02	21.06	22.30
		36	18	21.11	21.08	21.10	22.30
		36	39	21.15	21.11	21.16	22.30
		75	0	21.11	21.07	21.11	22.30
	64QAM	1	0	21.32	21.27	21.30	22.30
		1	38	21.32	21.26	21.18	22.30
		1	74	21.40	21.39	21.42	22.30
		36	0	20.22	20.27	20.30	21.80
		36	18	20.30	20.22	20.18	21.80
		36	39	20.33	20.32	20.33	21.80
		75	0	20.24	20.25	20.14	21.80
	256QAM	1	0	18.30	18.33	18.26	19.80
		1	38	18.21	18.37	18.35	19.80
		1	74	18.31	18.39	18.47	19.80
		36	0	18.28	18.46	18.38	19.80
		36	18	18.21	18.34	18.34	19.80
		36	39	18.45	18.45	18.45	19.80
		75	0	18.29	18.47	18.42	19.80
BW	Modulation	RB size	RB offset	Channel/Frequency(MHz)			Tune-up Limit
				37850/2580	38000/2595	38150/2610	
20MHz	QPSK	1	0	22.97	23.01	23.09	24.80
		1	50	23.21	23.08	23.22	24.80
		1	99	23.17	23.13	23.24	24.80
		50	0	22.06	22.19	22.17	23.80
		50	25	22.18	22.24	22.16	23.80
		50	50	22.15	22.13	22.10	23.80
		100	0	22.23	22.11	22.26	23.80
	16QAM	1	0	22.28	22.09	22.25	23.80
		1	50	22.26	22.20	22.23	23.80
		1	99	22.23	22.18	22.20	23.80
		50	0	21.23	21.18	21.21	22.30
		50	25	21.29	21.22	21.26	22.30
		50	50	21.32	21.27	21.29	22.30
		100	0	21.13	21.09	21.11	22.30
	64QAM	1	0	20.45	20.40	20.36	22.30
		1	50	20.66	20.61	20.66	22.30
		1	99	20.65	20.59	20.60	22.30
		50	0	20.20	20.11	20.18	21.80
		50	25	20.20	20.17	20.11	21.80
		50	50	20.32	20.25	20.22	21.80



256QAM QPSK	100	0	20.22	20.20	20.18	21.80
	1	0	18.27	18.29	18.23	19.80
	1	50	18.20	18.33	18.33	19.80
	1	99	18.29	18.38	18.44	19.80
	50	0	18.25	18.41	18.34	19.80
	50	25	18.19	18.30	18.31	19.80
	50	50	18.42	18.40	18.41	19.80
	100	0	18.26	18.42	18.38	19.80

Ant 3

LTE TDD Band 41 PC 2 Full Power&Level1&Level2&Level3&Level4&Level5 &Level6-D1&Level6-D2&Level7-D1				Conducted Power(dBm)					Tune-up Limit
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency(MHz)					
				39675/ 2498.5	40148/ 2545.8	40620/ 2593	41093/ 2640.3	41565/ 2687.5	
5MHz	QPSK	1	0	25.38	25.42	25.66	25.58	25.48	27.20
		1	13	25.45	25.42	25.50	25.44	25.32	27.20
		1	24	25.52	25.46	25.60	25.52	25.34	27.20
		12	0	24.49	24.62	24.55	24.58	24.53	26.20
		12	6	24.63	24.70	24.52	24.65	24.51	26.20
		12	13	24.63	24.65	24.72	24.69	24.45	26.20
		25	0	24.59	24.71	24.48	24.76	24.53	26.20
	16QAM	1	0	24.77	24.80	24.74	24.81	24.81	26.20
		1	13	24.75	24.72	24.72	24.74	24.73	26.20
		1	24	24.78	24.77	24.70	24.80	24.75	26.20
		12	0	23.81	23.77	23.73	23.79	23.77	25.20
		12	6	23.75	23.72	23.69	23.75	23.73	25.20
		12	13	23.78	23.77	23.69	23.80	23.77	25.20
		25	0	23.68	23.72	23.64	23.74	23.69	25.20
	64QAM	1	0	23.08	23.05	22.99	23.08	23.10	24.20
		1	13	22.98	23.00	22.94	23.02	23.03	24.20
		1	24	23.12	23.05	23.05	23.08	23.11	24.20
		12	0	22.52	22.46	22.43	22.50	22.60	24.20
		12	6	22.46	22.41	22.38	22.44	22.51	24.20
		12	13	22.56	22.57	22.50	22.61	22.67	24.20
		25	0	22.47	22.46	22.39	22.50	22.55	24.20
	256QAM	1	0	20.32	20.31	20.25	20.36	20.39	22.20
		1	13	20.27	20.28	20.24	20.32	20.31	22.20
		1	24	20.36	20.31	20.29	20.33	20.34	22.20
12		0	20.46	20.43	20.41	20.46	20.54	22.20	
12		6	20.57	20.50	20.49	20.53	20.59	22.20	
12		13	20.61	20.59	20.52	20.63	20.64	22.20	



Bandwidth	Modulation	25	0	20.53	20.51	20.45	20.54	20.56	22.20
		RB size	RB offset	Channel/Frequency(MHz)					Tune-up Limit
				39700/ 2501	40160/ 2547	40620/ 2593	41080/ 2639	41540/ 2685	
10MHz	QPSK	1	0	25.40	25.43	25.68	25.59	25.51	27.20
		1	25	25.48	25.47	25.53	25.49	25.36	27.20
		1	49	25.54	25.50	25.62	25.56	25.37	27.20
		25	0	24.52	24.67	24.58	24.63	24.57	26.20
		25	13	24.66	24.75	24.55	24.70	24.55	26.20
		25	25	24.65	24.69	24.74	24.73	24.50	26.20
		50	0	24.63	24.73	24.52	24.78	24.57	26.20
	16QAM	1	0	24.79	24.83	24.76	24.84	24.83	26.20
		1	25	24.78	24.76	24.75	24.78	24.76	26.20
		1	49	24.81	24.79	24.73	24.82	24.78	26.20
		25	0	23.84	23.82	23.76	23.84	23.81	25.20
		25	13	23.77	23.76	23.71	23.79	23.76	25.20
		25	25	23.81	23.82	23.72	23.85	23.81	25.20
		50	0	23.71	23.77	23.67	23.79	23.73	25.20
	64QAM	1	0	23.10	23.04	23.01	23.07	23.12	24.20
		1	25	23.01	23.00	22.97	23.02	23.06	24.20
		1	49	23.11	23.07	23.04	23.10	23.14	24.20
		25	0	22.55	22.51	22.46	22.55	22.60	24.20
		25	13	22.48	22.45	22.40	22.48	22.54	24.20
		25	25	22.59	22.62	22.53	22.66	22.71	24.20
		50	0	22.50	22.51	22.42	22.55	22.59	24.20
	256QAM	1	0	20.34	20.30	20.27	20.35	20.41	22.20
		1	25	20.30	20.28	20.27	20.32	20.34	22.20
		1	49	20.35	20.33	20.28	20.35	20.37	22.20
		25	0	20.49	20.48	20.44	20.51	20.54	22.20
		25	13	20.59	20.54	20.51	20.57	20.62	22.20
		25	25	20.64	20.64	20.55	20.68	20.68	22.20
		50	0	20.56	20.56	20.48	20.59	20.60	22.20
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency(MHz)					Tune-up Limit
				39725/ 2503.5	40173/ 2548.3	40620/ 2593	41068/ 2637.8	41515/ 2682.5	
15MHz	QPSK	1	0	25.39	25.39	25.67	25.55	25.49	27.20
		1	38	25.46	25.46	25.51	25.48	25.33	27.20
		1	74	25.51	25.45	25.59	25.51	25.33	27.20
		36	0	24.50	24.63	24.56	24.59	24.54	26.20
		36	18	24.63	24.70	24.52	24.65	24.51	26.20
		36	39	24.62	24.66	24.71	24.70	24.46	26.20
		75	0	24.61	24.69	24.50	24.74	24.52	26.20
	16QAM	1	0	24.74	24.81	24.71	24.82	24.81	26.20



		1	38	24.76	24.73	24.73	24.75	24.74	26.20	
		1	74	24.78	24.75	24.70	24.78	24.75	26.20	
		36	0	23.81	23.80	23.73	23.82	23.78	25.20	
		36	18	23.74	23.71	23.68	23.74	23.72	25.20	
		36	39	23.79	23.78	23.70	23.81	23.78	25.20	
		75	0	23.68	23.72	23.64	23.74	23.69	25.20	
	64QAM	1	0	23.05	23.02	22.96	23.05	23.10	24.20	
		1	38	22.99	22.97	22.95	22.99	23.04	24.20	
		1	74	23.12	23.06	23.05	23.09	23.15	24.20	
		36	0	22.54	22.53	22.45	22.57	22.61	24.20	
		36	18	22.46	22.42	22.38	22.45	22.53	24.20	
		36	39	22.57	22.58	22.51	22.62	22.68	24.20	
	256QAM	75	0	22.47	22.46	22.39	22.50	22.55	24.20	
		1	0	20.29	20.28	20.22	20.33	20.39	22.20	
		1	38	20.28	20.25	20.25	20.29	20.32	22.20	
		1	74	20.36	20.32	20.29	20.34	20.38	22.20	
		36	0	20.48	20.50	20.43	20.53	20.55	22.20	
		36	18	20.57	20.51	20.49	20.54	20.61	22.20	
		36	39	20.62	20.60	20.53	20.64	20.65	22.20	
		75	0	20.53	20.51	20.45	20.54	20.56	22.20	
		Bandwidth	Modulation	RB size	RB offset	Channel/Frequency(MHz)				
39750/ 2506						40185/ 2549.5	40620/ 2593	41055/ 2636.5	41490/ 2680	
20MHz		QPSK	1	0	25.36	25.35	25.64	25.51	25.46	27.20
			1	50	25.45	25.42	25.50	25.44	25.31	27.20
	1		99	25.49	25.44	25.57	25.50	25.30	27.20	
	50		0	24.47	24.58	24.53	24.54	24.50	26.20	
	50		25	24.61	24.66	24.50	24.61	24.48	26.20	
	50		50	24.59	24.61	24.68	24.65	24.42	26.20	
	16QAM	100	0	24.58	24.64	24.47	24.69	24.48	26.20	
		1	0	24.79	24.77	24.71	24.78	24.76	26.20	
		1	50	24.72	24.71	24.69	24.73	24.70	26.20	
		1	99	24.76	24.72	24.68	24.75	24.73	26.20	
		50	0	23.78	23.76	23.70	23.78	23.75	25.20	
		50	25	23.71	23.69	23.65	23.72	23.69	25.20	
	64QAM	50	50	23.76	23.73	23.67	23.76	23.74	25.20	
		100	0	23.66	23.68	23.62	23.70	23.66	25.20	
		1	0	23.03	22.98	22.94	23.01	23.05	24.20	
		1	50	22.95	22.95	22.91	22.97	23.00	24.20	
		1	99	23.06	23.00	22.99	23.03	23.09	24.20	
		50	0	22.49	22.45	22.40	22.49	22.54	24.20	
		50	25	22.42	22.38	22.34	22.41	22.47	24.20	
		50	50	22.54	22.53	22.48	22.57	22.64	24.20	



	256QAM	100	0	22.45	22.42	22.37	22.46	22.52	24.20
		1	0	20.27	20.24	20.20	20.29	20.34	22.20
		1	50	20.24	20.23	20.21	20.27	20.28	22.20
		1	99	20.30	20.26	20.23	20.28	20.32	22.20
		50	0	20.43	20.42	20.38	20.45	20.48	22.20
		50	25	20.53	20.47	20.45	20.50	20.55	22.20
		50	50	20.59	20.55	20.50	20.59	20.61	22.20
		100	0	20.51	20.47	20.43	20.50	20.53	22.20

LTE TDD Band 41 PC 3 Full Power&Level1&Level2&Level3&Level4&Level5&Level6-D 1&Level6-D2&Level7-D1				Conducted Power(dBm)					Tune-up Limit
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency(MHz)					
				39675/ 2498.5	40148/ 2545.8	40620/ 2593	41093/ 2640.3	41565/ 2687.5	
5MHz	QPSK	1	0	23.02	23.13	23.17	23.00	23.05	24.80
		1	13	22.95	23.15	23.20	23.04	22.99	24.80
		1	24	23.01	23.23	23.39	23.04	22.96	24.80
		12	0	21.85	22.29	22.30	22.08	22.01	23.80
		12	6	21.97	22.30	22.26	22.19	22.04	23.80
		12	13	22.06	22.12	22.28	22.19	21.96	23.80
		25	0	22.16	22.19	22.39	22.10	21.95	23.80
	16QAM	1	0	22.34	22.09	22.40	22.17	22.21	23.80
		1	13	22.32	22.20	22.29	22.15	22.20	23.80
		1	24	22.36	22.42	22.45	22.31	22.35	23.80
		12	0	21.12	21.28	21.35	21.15	21.26	22.80
		12	6	21.26	21.20	21.43	21.44	21.23	22.80
		12	13	21.28	21.14	21.43	21.27	21.22	22.80
		25	0	21.18	21.16	21.28	21.13	21.25	22.80
	64QAM	1	0	20.75	20.72	20.54	20.52	20.67	21.80
		1	13	20.65	20.58	20.40	20.55	20.51	21.80
		1	24	20.70	20.72	20.56	20.64	20.60	21.80
		12	0	20.19	20.04	20.11	19.98	20.10	21.80
		12	6	20.04	20.08	19.93	20.00	19.96	21.80
		12	13	20.23	20.24	19.97	20.05	20.23	21.80
		25	0	20.14	20.13	19.95	20.03	20.11	21.80
	256QAM	1	0	18.87	18.89	18.87	18.96	19.06	20.80
		1	13	18.82	18.88	18.91	18.85	18.93	20.80
		1	24	18.98	18.86	18.92	18.96	18.92	20.80
		12	0	19.10	19.11	19.06	19.05	19.17	20.80
		12	6	19.13	19.09	19.06	19.17	19.24	20.80



Bandwidth	Modulation	RB size	RB offset	Channel/Frequency(MHz)					Tune-up Limit
				39700/ 2501	40160/ 2547	40620/ 2593	41080/ 2639	41540/ 2685	
		12	13	19.21	19.24	19.18	19.28	19.23	20.80
		25	0	19.17	19.19	19.13	19.16	19.18	20.80
10MHz	QPSK	1	0	23.04	23.14	23.20	23.02	23.06	24.80
		1	25	22.98	23.20	23.24	23.07	23.04	24.80
		1	49	23.03	23.27	23.42	23.06	23.00	24.80
		25	0	21.88	22.34	22.34	22.11	22.06	23.80
		25	13	22.00	22.35	22.30	22.22	22.09	23.80
		25	25	22.08	22.16	22.33	22.21	22.00	23.80
		50	0	22.20	22.21	22.43	22.14	21.97	23.80
	16QAM	1	0	22.36	22.12	22.42	22.19	22.24	23.80
		1	25	22.35	22.24	22.32	22.18	22.24	23.80
		1	49	22.39	22.44	22.48	22.34	22.37	23.80
		25	0	21.15	21.33	21.39	21.18	21.31	22.80
		25	13	21.28	21.24	21.46	21.46	21.27	22.80
		25	25	21.31	21.19	21.47	21.30	21.27	22.80
		50	0	21.21	21.21	21.32	21.16	21.30	22.80
	64QAM	1	0	20.77	20.71	20.56	20.54	20.66	21.80
		1	25	20.68	20.58	20.43	20.58	20.51	21.80
		1	49	20.69	20.74	20.59	20.63	20.62	21.80
		25	0	20.22	20.09	20.11	20.01	20.15	21.80
		25	13	20.06	20.12	19.96	20.02	20.00	21.80
		25	25	20.26	20.29	20.01	20.08	20.28	21.80
		50	0	20.17	20.18	19.99	20.06	20.16	21.80
	256QAM	1	0	18.89	18.90	18.90	18.98	19.07	20.80
		1	25	18.85	18.93	18.95	18.88	18.98	20.80
		1	49	19.00	18.90	18.95	18.98	18.96	20.80
		25	0	19.13	19.16	19.10	19.08	19.22	20.80
		25	13	19.16	19.14	19.10	19.20	19.29	20.80
		25	25	19.23	19.28	19.23	19.30	19.27	20.80
		50	0	19.21	19.21	19.17	19.20	19.20	20.80
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency(MHz)					Tune-up Limit
				39725/ 2503.5	40173/ 2548.3	40620/ 2593	41068/ 2637.8	41515/ 2682.5	
15MHz	QPSK	1	0	23.03	23.10	23.18	23.01	23.02	24.80
		1	38	22.96	23.19	23.21	23.05	23.03	24.80
		1	74	23.00	23.22	23.38	23.03	22.95	24.80
		36	0	21.86	22.30	22.31	22.09	22.02	23.80
		36	18	21.97	22.30	22.26	22.19	22.04	23.80
		36	39	22.05	22.13	22.29	22.18	21.97	23.80
		75	0	22.18	22.17	22.38	22.12	21.93	23.80



	16QAM	1	0	22.31	22.10	22.40	22.14	22.22	23.80
		1	38	22.33	22.21	22.30	22.16	22.21	23.80
		1	74	22.36	22.40	22.45	22.31	22.33	23.80
		36	0	21.12	21.31	21.36	21.15	21.29	22.80
		36	18	21.25	21.19	21.42	21.43	21.22	22.80
		36	39	21.29	21.15	21.44	21.28	21.23	22.80
		75	0	21.18	21.16	21.28	21.13	21.25	22.80
	64QAM	1	0	20.72	20.69	20.54	20.49	20.64	21.80
		1	38	20.66	20.55	20.41	20.56	20.48	21.80
		1	74	20.70	20.73	20.60	20.64	20.61	21.80
		36	0	20.21	20.11	20.12	20.00	20.17	21.80
		36	18	20.04	20.09	19.95	20.00	19.97	21.80
		36	39	20.24	20.25	19.98	20.06	20.24	21.80
		75	0	20.14	20.13	19.95	20.03	20.11	21.80
	256QAM	1	0	18.88	18.86	18.88	18.97	19.03	20.80
		1	38	18.83	18.92	18.92	18.86	18.97	20.80
		1	74	18.97	18.85	18.91	18.95	18.91	20.80
		36	0	19.11	19.12	19.07	19.06	19.18	20.80
		36	18	19.13	19.09	19.06	19.17	19.24	20.80
		36	39	19.20	19.25	19.19	19.27	19.24	20.80
		75	0	19.19	19.17	19.12	19.18	19.16	20.80
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency(MHz)					Tune-up Limit
				39750/ 2506	40185/ 2549.5	40620/ 2593	41055/ 2636.5	41490/ 2680	
20MHz	QPSK	1	0	23.00	23.06	23.15	22.98	22.98	24.80
		1	50	22.95	23.15	23.19	23.04	22.99	24.80
		1	99	22.98	23.21	23.35	23.01	22.94	24.80
		50	0	21.83	22.25	22.27	22.06	21.97	23.80
		50	25	21.95	22.26	22.23	22.17	22.00	23.80
		50	50	22.02	22.08	22.25	22.15	21.92	23.80
		100	0	22.15	22.12	22.34	22.09	21.88	23.80
	16QAM	1	0	22.40	22.06	22.35	22.21	22.18	23.80
		1	50	22.29	22.19	22.26	22.12	22.19	23.80
		1	99	22.34	22.37	22.43	22.29	22.30	23.80
		50	0	21.09	21.27	21.33	21.12	21.25	22.80
		50	25	21.22	21.17	21.39	21.40	21.20	22.80
		50	50	21.26	21.10	21.40	21.25	21.18	22.80
		100	0	21.16	21.12	21.25	21.11	21.21	22.80
	64QAM	1	0	20.70	20.65	20.49	20.47	20.60	21.80
		1	50	20.62	20.53	20.37	20.52	20.46	21.80
		1	99	20.64	20.67	20.54	20.58	20.55	21.80
		50	0	20.16	20.03	20.05	19.95	20.09	21.80
		50	25	20.00	20.05	19.89	19.96	19.93	21.80



		50	50	20.21	20.20	19.94	20.03	20.19	21.80
		100	0	20.12	20.09	19.92	20.01	20.07	21.80
	256QAM	1	0	18.85	18.82	18.85	18.94	18.99	20.80
		1	50	18.82	18.88	18.90	18.85	18.93	20.80
		1	99	18.95	18.84	18.88	18.93	18.90	20.80
		50	0	19.08	19.07	19.03	19.03	19.13	20.80
		50	25	19.11	19.05	19.03	19.15	19.20	20.80
		50	50	19.17	19.20	19.15	19.24	19.19	20.80
100	0	19.16	19.12	19.08	19.15	19.11	20.80		

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LTE FDD Band 66 Level4				Conducted Power(dBm)			Tune-up Limit
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			
				131979/1710.7	132322/1745	132665/1779.3	
1.4MHz	QPSK	1	0	16.68	16.41	16.78	18.00
		1	2	16.55	16.52	16.70	18.00
		1	5	16.67	16.57	16.74	18.00
		3	0	16.70	16.79	16.74	18.00
		3	2	16.72	16.65	16.74	18.00
		3	3	16.77	16.72	16.70	18.00
		6	0	16.51	16.77	16.74	18.00
	16QAM	1	0	16.76	16.72	16.86	18.00
		1	2	16.74	16.68	16.80	18.00
		1	5	16.50	16.61	16.67	18.00
		3	0	17.03	16.78	16.85	18.00
		3	2	16.99	16.95	17.04	18.00
		3	3	16.82	16.81	16.86	18.00
		6	0	16.76	16.96	17.01	18.00
	64QAM	1	0	16.76	17.06	16.84	18.00
		1	2	16.74	16.61	16.76	18.00
		1	5	16.60	16.87	16.92	18.00
		3	0	16.80	16.99	17.07	18.00
		3	2	16.95	16.78	16.89	18.00
		3	3	16.77	16.98	17.01	18.00
		6	0	16.89	16.71	16.77	18.00
	256QAM	1	0	16.69	16.88	16.92	18.00
		1	2	16.63	16.68	16.73	18.00
		1	5	16.86	16.47	16.61	18.00
		3	0	17.02	17.08	17.12	18.00
		3	2	16.75	16.98	17.04	18.00
		3	3	16.94	16.84	16.93	18.00
		6	0	16.63	16.83	16.85	18.00



Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				1319871711.5	132322/1745	132657/1778.5	
3MHz	QPSK	1	0	16.63	16.32	16.72	18.00
		1	7	16.53	16.48	16.66	18.00
		1	14	16.61	16.50	16.66	18.00
		8	0	16.65	16.70	16.67	18.00
		8	4	16.68	16.57	16.66	18.00
		8	7	16.71	16.66	16.63	18.00
		15	0	16.50	16.69	16.67	18.00
	16QAM	1	0	16.70	16.65	16.78	18.00
		1	7	16.68	16.65	16.74	18.00
		1	14	16.45	16.54	16.61	18.00
		8	0	16.98	16.73	16.80	18.00
		8	4	16.92	16.87	16.96	18.00
		8	7	16.77	16.72	16.79	18.00
		15	0	16.72	16.88	16.93	18.00
	64QAM	1	0	16.68	16.99	16.76	18.00
		1	7	16.68	16.58	16.70	18.00
		1	14	16.55	16.80	16.86	18.00
		8	0	16.75	16.94	17.02	18.00
		8	4	16.88	16.70	16.81	18.00
		8	7	16.72	16.89	16.94	18.00
		15	0	16.85	16.63	16.69	18.00
	256QAM	1	0	16.65	16.80	16.87	18.00
		1	7	16.60	16.63	16.68	18.00
		1	14	16.81	16.41	16.54	18.00
		8	0	16.97	16.99	17.05	18.00
		8	4	16.70	16.89	16.97	18.00
		8	7	16.88	16.76	16.85	18.00
		15	0	16.58	16.74	16.76	18.00
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
5MHz	QPSK	1	0	16.60	16.30	16.68	18.00
		1	13	16.51	16.44	16.63	18.00
		1	24	16.58	16.45	16.62	18.00
		12	0	16.62	16.65	16.63	18.00
		12	6	16.66	16.53	16.61	18.00
		12	13	16.69	16.64	16.59	18.00
		25	0	16.50	16.68	16.65	18.00
	16QAM	1	0	16.67	16.61	16.75	18.00
		1	13	16.65	16.63	16.71	18.00
		1	24	16.42	16.52	16.57	18.00
		12	0	16.96	16.69	16.77	18.00



Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit	
				132022/1715	132322/1745	132622/1775		
10MHz	64QAM	12	6	16.89	16.82	16.92	18.00	
		12	13	16.74	16.67	16.75	18.00	
		25	0	16.70	16.84	16.88	18.00	
		1	0	16.65	16.99	16.73	18.00	
		1	13	16.65	16.60	16.67	18.00	
		1	24	16.56	16.78	16.82	18.00	
		12	0	16.73	16.90	17.03	18.00	
		12	6	16.85	16.65	16.77	18.00	
		12	13	16.69	16.84	16.90	18.00	
	256QAM	25	0	16.83	16.59	16.64	18.00	
		1	0	16.62	16.78	16.83	18.00	
		1	13	16.58	16.59	16.65	18.00	
		1	24	16.78	16.36	16.50	18.00	
		12	0	16.94	16.94	17.01	18.00	
		12	6	16.68	16.85	16.92	18.00	
		12	13	16.86	16.74	16.81	18.00	
		25	0	16.58	16.73	16.74	18.00	
		10MHz	QPSK	1	0	16.62	16.31	16.71
	1			25	16.54	16.49	16.67	18.00
	1			49	16.60	16.49	16.65	18.00
	25			0	16.65	16.70	16.67	18.00
	25			13	16.69	16.58	16.65	18.00
	25			25	16.71	16.68	16.64	18.00
	50			0	16.54	16.70	16.69	18.00
	16QAM		1	0	16.69	16.64	16.77	18.00
			1	25	16.68	16.67	16.74	18.00
			1	49	16.45	16.54	16.60	18.00
			25	0	16.99	16.74	16.81	18.00
25			13	16.91	16.86	16.95	18.00	
25			25	16.77	16.72	16.79	18.00	
50			0	16.73	16.89	16.92	18.00	
64QAM	1		0	16.67	16.98	16.75	18.00	
	1		25	16.68	16.60	16.70	18.00	
	1		49	16.55	16.80	16.85	18.00	
	25		0	16.76	16.95	17.03	18.00	
	25		13	16.87	16.69	16.80	18.00	
	25		25	16.72	16.89	16.94	18.00	
	50		0	16.86	16.64	16.68	18.00	
256QAM	1		0	16.64	16.79	16.86	18.00	
	1		25	16.61	16.64	16.69	18.00	
	1		49	16.80	16.40	16.53	18.00	



Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit	
				132047/1717.5	132322/1745	132597/1772.5		
		25	0	16.97	16.99	17.05	18.00	
		25	13	16.71	16.90	16.96	18.00	
		25	25	16.88	16.78	16.86	18.00	
		50	0	16.62	16.75	16.78	18.00	
15MHz	QPSK	1	0	16.61	16.27	16.69	18.00	
		1	38	16.52	16.48	16.64	18.00	
		1	74	16.57	16.44	16.61	18.00	
		36	0	16.63	16.66	16.64	18.00	
		36	18	16.66	16.53	16.61	18.00	
		36	39	16.68	16.65	16.60	18.00	
		75	0	16.52	16.66	16.64	18.00	
	16QAM	1	0	16.64	16.62	16.75	18.00	
		1	38	16.66	16.64	16.72	18.00	
		1	74	16.42	16.50	16.57	18.00	
		36	0	16.96	16.72	16.78	18.00	
		36	18	16.88	16.81	16.91	18.00	
		36	39	16.75	16.68	16.76	18.00	
		75	0	16.70	16.84	16.88	18.00	
	64QAM	1	0	16.62	16.96	16.73	18.00	
		1	38	16.66	16.57	16.68	18.00	
		1	74	16.56	16.79	16.86	18.00	
		36	0	16.75	16.97	17.04	18.00	
		36	18	16.85	16.66	16.79	18.00	
		36	39	16.70	16.85	16.91	18.00	
		75	0	16.83	16.59	16.64	18.00	
	256QAM	1	0	16.63	16.75	16.84	18.00	
		1	38	16.59	16.63	16.66	18.00	
		1	74	16.77	16.35	16.49	18.00	
		36	0	16.95	16.95	17.02	18.00	
		36	18	16.68	16.85	16.92	18.00	
		36	39	16.85	16.75	16.82	18.00	
		75	0	16.60	16.71	16.73	18.00	
	Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
					132072/1720	132322/1745	132572/1770	
	20MHz	QPSK	1	0	16.58	16.23	16.66	18.00
			1	50	16.51	16.44	16.62	18.00
			1	99	16.55	16.43	16.58	18.00
			50	0	16.60	16.61	16.60	18.00
			50	25	16.64	16.49	16.58	18.00
			50	50	16.65	16.60	16.56	18.00
100			0	16.49	16.61	16.60	18.00	



	16QAM	1	0	16.76	16.58	16.70	18.00
		1	50	16.62	16.62	16.68	18.00
		1	99	16.40	16.47	16.55	18.00
		50	0	16.93	16.68	16.75	18.00
		50	25	16.85	16.79	16.88	18.00
		50	50	16.72	16.63	16.72	18.00
		100	0	16.68	16.80	16.85	18.00
	64QAM	1	0	16.60	16.92	16.68	18.00
		1	50	16.62	16.55	16.64	18.00
		1	99	16.50	16.73	16.80	18.00
		50	0	16.70	16.89	16.97	18.00
		50	25	16.81	16.62	16.73	18.00
		50	50	16.67	16.80	16.87	18.00
		100	0	16.81	16.55	16.61	18.00
	256QAM	1	0	16.60	16.71	16.81	18.00
		1	50	16.58	16.59	16.64	18.00
		1	99	16.75	16.34	16.46	18.00
		50	0	16.92	16.90	16.98	18.00
		50	25	16.66	16.81	16.89	18.00
		50	50	16.82	16.70	16.78	18.00
		100	0	16.57	16.66	16.69	18.00

LTE FDD Band 66 Level3&Level5				Conducted Power(dBm)			Tune-up Limit
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			
				131979/1710.7	132322/1745	132665/1779.3	
1.4MHz	QPSK	1	0	19.86	19.89	19.89	21.60
		1	2	19.89	19.97	19.72	21.60
		1	5	19.87	19.93	19.79	21.60
		3	0	20.02	19.92	19.99	21.60
		3	2	20.04	20.13	19.99	21.60
		3	3	19.99	20.05	19.98	21.60
		6	0	19.94	19.97	20.00	21.60
	16QAM	1	0	20.06	19.68	19.78	21.60
		1	2	20.05	20.09	20.16	21.60
		1	5	20.21	19.92	19.97	21.60
		3	0	20.01	19.90	19.98	21.60
		3	2	20.04	19.98	20.04	21.60
		3	3	20.07	20.13	20.18	21.60
		6	0	19.97	19.98	20.00	21.60
	64QAM	1	0	19.75	19.94	20.10	21.60
		1	2	20.15	19.95	20.09	21.60
		1	5	19.94	20.20	20.24	21.60



Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit		
				1319871711.5	132322/1745	132657/1778.5			
	256QAM	3	0	19.95	19.96	20.04	21.60		
		3	2	20.00	19.99	20.09	21.60		
		3	3	20.11	20.10	20.14	21.60		
		6	0	19.91	20.01	20.05	21.60		
		1	0	18.26	18.23	18.29	19.60		
		1	2	18.09	18.08	18.16	19.60		
		1	5	18.05	18.00	18.14	19.60		
		3	0	18.07	18.08	18.15	19.60		
		3	2	18.05	18.04	18.14	19.60		
		3	3	18.05	18.02	18.10	19.60		
		6	0	17.87	17.92	17.96	19.60		
		3MHz	QPSK	1	0	19.82	19.81	19.84	21.60
				1	7	19.86	19.92	19.67	21.60
				1	14	19.82	19.87	19.72	21.60
8	0			19.97	19.83	19.92	21.60		
8	4			19.99	20.04	19.92	21.60		
8	7			19.93	19.97	19.90	21.60		
15	0			19.89	19.88	19.91	21.60		
16QAM	1		0	20.01	19.62	19.71	21.60		
	1		7	19.99	20.04	20.10	21.60		
	1		14	20.16	19.85	19.92	21.60		
	8		0	19.95	19.84	19.92	21.60		
	8		4	19.98	19.91	19.97	21.60		
	8		7	20.02	20.04	20.11	21.60		
	15		0	19.92	19.89	19.93	21.60		
64QAM	1		0	19.68	19.88	20.03	21.60		
	1		7	20.09	19.90	20.03	21.60		
	1		14	19.89	20.13	20.19	21.60		
	8		0	19.89	19.90	19.98	21.60		
	8		4	19.94	19.92	20.02	21.60		
	8		7	20.06	20.01	20.07	21.60		
	15		0	19.86	19.92	19.98	21.60		
256QAM	1		0	18.23	18.19	18.26	19.60		
	1		7	18.08	18.04	18.14	19.60		
	1		14	18.03	17.99	18.11	19.60		
	8		0	18.04	18.03	18.11	19.60		
	8		4	18.03	18.00	18.11	19.60		
	8		7	18.02	17.97	18.06	19.60		
	15		0	17.84	17.87	17.92	19.60		
Bandwidth	Modulation		RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit	
					131997/1712.5	132322/1745	132647/1777.5		



5MHz	QPSK	1	0	19.79	19.79	19.80	21.60
		1	13	19.84	19.88	19.64	21.60
		1	24	19.79	19.82	19.68	21.60
		12	0	19.94	19.78	19.88	21.60
		12	6	19.97	20.00	19.87	21.60
		12	13	19.91	19.95	19.86	21.60
		25	0	19.89	19.87	19.89	21.60
	16QAM	1	0	19.98	19.68	19.68	21.60
		1	13	19.96	20.02	20.07	21.60
		1	24	20.13	19.83	19.88	21.60
		12	0	19.93	19.80	19.89	21.60
		12	6	19.95	19.86	19.93	21.60
		12	13	19.99	19.99	20.07	21.60
		25	0	19.90	19.85	19.88	21.60
	64QAM	1	0	19.65	19.88	20.00	21.60
		1	13	20.06	19.92	20.00	21.60
		1	24	19.90	20.11	20.15	21.60
		12	0	19.87	19.86	19.99	21.60
		12	6	19.91	19.87	19.98	21.60
		12	13	20.03	19.96	20.03	21.60
		25	0	19.84	19.88	19.93	21.60
	256QAM	1	0	18.20	18.17	18.22	19.60
		1	13	18.06	18.00	18.11	19.60
		1	24	18.00	17.94	18.07	19.60
		12	0	18.01	17.98	18.07	19.60
		12	6	18.01	17.96	18.06	19.60
		12	13	18.00	17.95	18.02	19.60
		25	0	17.84	17.86	17.90	19.60
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				132022/1715	132322/1745	132622/1775	
10MHz	QPSK	1	0	19.81	19.80	19.83	21.60
		1	25	19.87	19.93	19.68	21.60
		1	49	19.81	19.86	19.71	21.60
		25	0	19.97	19.83	19.92	21.60
		25	13	20.00	20.05	19.91	21.60
		25	25	19.93	19.99	19.91	21.60
		50	0	19.93	19.89	19.93	21.60
	16QAM	1	0	20.00	19.61	19.70	21.60
		1	25	19.99	20.06	20.10	21.60
		1	49	20.16	19.85	19.91	21.60
		25	0	19.96	19.85	19.93	21.60
		25	13	19.97	19.90	19.96	21.60
		25	25	20.02	20.04	20.11	21.60



	64QAM	50	0	19.93	19.90	19.92	21.60
		1	0	19.67	19.87	20.02	21.60
		1	25	20.09	19.92	20.03	21.60
		1	49	19.89	20.13	20.18	21.60
		25	0	19.90	19.91	19.99	21.60
		25	13	19.93	19.91	20.01	21.60
		25	25	20.06	20.01	20.07	21.60
		50	0	19.87	19.93	19.97	21.60
	256QAM	1	0	18.22	18.18	18.25	19.60
		1	25	18.09	18.05	18.15	19.60
		1	49	18.02	17.98	18.10	19.60
		25	0	18.04	18.03	18.11	19.60
		25	13	18.04	18.01	18.10	19.60
		25	25	18.02	17.99	18.07	19.60
50		0	17.88	17.88	17.94	19.60	
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				132047/1717.5	132322/1745	132597/1772.5	
15MHz	QPSK	1	0	19.80	19.76	19.81	21.60
		1	38	19.85	19.92	19.65	21.60
		1	74	19.78	19.81	19.67	21.60
		36	0	19.95	19.79	19.89	21.60
		36	18	19.97	20.00	19.87	21.60
		36	39	19.90	19.96	19.87	21.60
		75	0	19.91	19.85	19.88	21.60
	16QAM	1	0	19.95	19.72	19.68	21.60
		1	38	19.97	20.03	20.08	21.60
		1	74	20.13	19.81	19.88	21.60
		36	0	19.93	19.83	19.90	21.60
		36	18	19.94	19.85	19.92	21.60
		36	39	20.00	20.00	20.08	21.60
		75	0	19.90	19.85	19.88	21.60
	64QAM	1	0	19.62	19.85	20.00	21.60
		1	38	20.07	19.89	20.01	21.60
		1	74	19.90	20.12	20.19	21.60
		36	0	19.89	19.93	20.00	21.60
		36	18	19.91	19.88	20.00	21.60
		36	39	20.04	19.97	20.04	21.60
		75	0	19.84	19.88	19.93	21.60
	256QAM	1	0	18.21	18.14	18.23	19.60
		1	38	18.07	18.04	18.12	19.60
		1	74	17.99	17.93	18.06	19.60
		36	0	18.02	17.99	18.08	19.60
		36	18	18.01	17.96	18.06	19.60



Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				132072/1720	132322/1745	132572/1770	
				36	39	17.99	
75	0	17.86	17.84	17.89	19.60		
20MHz	QPSK	1	0	19.77	19.72	19.78	21.60
		1	50	19.84	19.88	19.63	21.60
		1	99	19.76	19.80	19.64	21.60
		50	0	19.92	19.74	19.85	21.60
		50	25	19.95	19.96	19.84	21.60
		50	50	19.87	19.91	19.83	21.60
		100	0	19.88	19.80	19.84	21.60
	16QAM	1	0	19.95	19.63	19.63	21.60
		1	50	19.93	20.01	20.04	21.60
		1	99	20.11	19.78	19.86	21.60
		50	0	19.90	19.79	19.87	21.60
		50	25	19.91	19.83	19.89	21.60
		50	50	19.97	19.95	20.04	21.60
		100	0	19.88	19.81	19.85	21.60
	64QAM	1	0	19.66	19.81	19.95	21.60
		1	50	20.03	19.87	19.97	21.60
		1	99	19.84	20.06	20.13	21.60
		50	0	19.84	19.85	19.93	21.60
		50	25	19.87	19.84	19.94	21.60
		50	50	20.01	19.92	20.00	21.60
		100	0	19.82	19.84	19.90	21.60
	256QAM	1	0	18.18	18.10	18.20	19.60
		1	50	18.06	18.00	18.10	19.60
		1	99	17.97	17.92	18.03	19.60
		50	0	17.99	17.94	18.04	19.60
		50	25	17.99	17.92	18.03	19.60
		50	50	17.96	17.91	17.99	19.60
		100	0	17.83	17.79	17.85	19.60

Ant 6

LTE FDD Band 71 Full Power&Level2&Level3&Level5				Conducted Power(dBm)			Tune-up Limit
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			
				133147/665.5	133297/680.5	133447/695.5	
5MHz	QPSK	1	0	23.05	22.99	22.91	24.80
		1	13	22.84	22.98	22.96	24.80
		1	24	23.17	23.03	22.91	24.80
		12	0	22.05	21.98	21.99	23.80
		12	6	22.02	21.95	22.03	23.80



		12	13	22.12	22.11	22.06	23.80	
		25	0	22.15	22.02	22.15	23.80	
	16QAM	1	0	22.34	22.19	22.26	23.80	
		1	13	22.32	22.24	22.30	23.80	
		1	24	22.45	22.42	22.41	23.80	
		12	0	21.06	20.99	21.03	22.30	
		12	6	21.17	21.08	21.12	22.30	
		12	13	21.12	21.07	21.10	22.30	
		25	0	21.17	21.11	21.13	22.30	
		64QAM	1	0	21.56	21.60	21.65	22.30
	1		13	21.23	21.06	21.15	22.30	
	1		24	21.54	21.49	21.52	22.30	
	12		0	20.36	20.45	20.61	21.80	
	12		6	20.39	20.35	20.35	21.80	
	12		13	20.50	20.62	20.55	21.80	
	25		0	20.26	20.33	20.29	21.80	
	256QAM	1	0	18.78	18.85	18.76	19.80	
		1	13	18.45	18.49	18.48	19.80	
		1	24	18.72	18.65	18.73	19.80	
		12	0	18.53	18.50	18.57	19.80	
		12	6	18.66	18.61	18.57	19.80	
		12	13	18.68	18.66	18.69	19.80	
		25	0	17.90	17.96	18.02	19.80	
	Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
					133172/668	133297/680.5	133422/693	
	10MHz	QPSK	1	0	23.10	23.13	23.19	24.80
			1	25	23.23	23.24	23.25	24.80
			1	49	23.20	23.15	23.17	24.80
25			0	22.21	22.24	22.19	23.80	
25			13	22.23	22.26	22.17	23.80	
25			25	22.22	22.18	22.21	23.80	
50			0	22.15	22.17	22.22	23.80	
16QAM		1	0	22.12	22.05	22.09	23.80	
		1	25	22.23	22.18	22.20	23.80	
		1	49	22.28	22.23	22.29	23.80	
		25	0	21.21	21.20	21.28	22.30	
		25	13	21.31	21.28	21.32	22.30	
		25	25	21.34	21.30	21.35	22.30	
		50	0	21.23	21.19	21.23	22.30	
64QAM		1	0	21.18	21.50	21.51	22.30	



		1	13	21.22	21.28	21.20	22.30
		1	24	21.50	21.43	21.39	22.30
		12	0	20.58	20.62	20.60	21.80
		12	6	20.62	20.67	20.72	21.80
		12	13	20.66	20.63	20.59	21.80
		25	0	20.44	20.47	20.50	21.80
	256QAM	1	0	18.80	18.84	18.78	19.80
		1	13	18.48	18.49	18.51	19.80
		1	24	18.71	18.67	18.76	19.80
		12	0	18.56	18.55	18.57	19.80
		12	6	18.68	18.65	18.60	19.80
		12	13	18.71	18.71	18.73	19.80
		25	0	17.93	18.01	18.06	19.80
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				133197/670.5	133297/680.5	133397/690.5	
15MHz	QPSK	1	0	22.96	22.97	23.02	24.80
		1	38	23.05	22.99	22.96	24.80
		1	74	23.02	22.81	22.92	24.80
		36	0	22.01	21.98	21.97	23.80
		36	18	22.06	22.01	22.09	23.80
		36	39	22.13	22.08	22.05	23.80
		75	0	22.09	21.97	22.03	23.80
	16QAM	1	0	22.15	22.12	22.16	23.80
		1	38	22.22	22.21	22.23	23.80
		1	74	22.36	22.31	22.34	23.80
		36	0	21.03	21.02	21.06	22.30
		36	18	21.11	21.08	21.10	22.30
		36	39	21.15	21.11	21.16	22.30
		75	0	21.11	21.07	21.11	22.30
	64QAM	1	0	21.32	21.27	21.30	22.30
		1	13	21.32	21.26	21.18	22.30
		1	24	21.40	21.39	21.42	22.30
		12	0	20.22	20.27	20.30	21.80
		12	6	20.30	20.22	20.18	21.80
		12	13	20.33	20.32	20.33	21.80
		25	0	20.24	20.25	20.14	21.80
	256QAM	1	0	18.75	18.82	18.76	19.80
		1	13	18.46	18.46	18.49	19.80
		1	24	18.72	18.66	18.77	19.80
		12	0	18.55	18.57	18.58	19.80



Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				133222/673	133322/683	133372/688	
						12	
		12	13	18.69	18.67	18.70	19.80
		25	0	17.90	17.96	18.02	19.80
20MHz	QPSK	1	0	23.03	22.92	22.89	24.80
		1	50	22.84	22.98	22.95	24.80
		1	99	23.14	23.01	22.87	24.80
		50	0	22.03	21.94	21.96	23.80
		50	25	22.00	21.91	22.00	23.80
		50	50	22.08	22.07	22.03	23.80
		100	0	22.14	21.95	22.10	23.80
	16QAM	1	0	22.24	22.16	22.21	23.80
		1	50	22.29	22.23	22.27	23.80
		1	99	22.43	22.37	22.39	23.80
		50	0	21.03	20.98	21.01	22.30
		50	25	21.13	21.05	21.08	22.30
		50	50	21.10	21.03	21.07	22.30
		100	0	21.15	21.07	21.10	22.30
	64QAM	1	0	21.51	21.53	21.60	22.30
		1	50	21.20	21.01	21.12	22.30
		1	99	21.48	21.44	21.50	22.30
		50	0	20.33	20.44	20.55	21.80
		50	25	20.35	20.32	20.31	21.80
		50	50	20.48	20.58	20.52	21.80
		100	0	20.24	20.29	20.26	21.80
	256QAM	1	0	18.73	18.78	18.71	19.80
		1	50	18.42	18.44	18.45	19.80
		1	99	18.66	18.60	18.71	19.80
		50	0	18.50	18.49	18.51	19.80
		50	25	18.62	18.58	18.53	19.80
		50	50	18.66	18.62	18.66	19.80
		100	0	17.88	17.92	17.99	19.80

LTE FDD Band 71 Level1&Level4				Conducted Power(dBm)			Tune-up Limit
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			
				133147/665.5	133297/680.5	133447/695.5	
5MHz	QPSK	1	0	23.05	22.99	22.91	24.00
		1	13	22.84	22.98	22.96	24.00



		1	24	23.17	23.03	22.91	24.00	
		12	0	22.05	21.98	21.99	23.00	
		12	6	22.02	21.95	22.03	23.00	
		12	13	22.12	22.11	22.06	23.00	
		25	0	22.15	22.02	22.15	23.00	
	16QAM	1	0	22.34	22.19	22.26	23.00	
		1	13	22.32	22.24	22.30	23.00	
		1	24	22.45	22.42	22.41	23.00	
		12	0	21.06	20.99	21.03	22.00	
		12	6	21.17	21.08	21.12	22.00	
		12	13	21.12	21.07	21.10	22.00	
		25	0	21.17	21.11	21.13	22.00	
	64QAM	1	0	21.56	21.60	21.65	22.00	
		1	13	21.23	21.06	21.15	22.00	
		1	24	21.54	21.49	21.52	22.00	
		12	0	20.36	20.45	20.61	21.50	
		12	6	20.39	20.35	20.35	21.50	
		12	13	20.50	20.62	20.55	21.50	
		25	0	20.26	20.33	20.29	21.50	
	256QAM	1	0	18.78	18.85	18.76	19.50	
		1	13	18.45	18.49	18.48	19.50	
		1	24	18.72	18.65	18.73	19.50	
		12	0	18.53	18.50	18.57	19.50	
		12	6	18.66	18.61	18.57	19.50	
		12	13	18.68	18.66	18.69	19.50	
		25	0	17.90	17.96	18.02	19.50	
	Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
					133172/668	133297/680.5	133422/693	
10MHz	QPSK	1	0	23.10	23.13	23.19	24.00	
		1	25	23.23	23.24	23.25	24.00	
		1	49	23.20	23.15	23.17	24.00	
		25	0	22.21	22.24	22.19	23.00	
		25	13	22.23	22.26	22.17	23.00	
		25	25	22.22	22.18	22.21	23.00	
		50	0	22.15	22.17	22.22	23.00	
	16QAM	1	0	22.12	22.05	22.09	23.00	
		1	25	22.23	22.18	22.20	23.00	
		1	49	22.28	22.23	22.29	23.00	
		25	0	21.21	21.20	21.28	22.00	
		25	13	21.31	21.28	21.32	22.00	



		25	25	21.34	21.30	21.35	22.00
		50	0	21.23	21.19	21.23	22.00
	64QAM	1	0	21.18	21.50	21.51	22.00
		1	13	21.22	21.28	21.20	22.00
		1	24	21.50	21.43	21.39	22.00
		12	0	20.58	20.62	20.60	21.50
		12	6	20.62	20.67	20.72	21.50
		12	13	20.66	20.63	20.59	21.50
		25	0	20.44	20.47	20.50	21.50
	256QAM	1	0	18.80	18.84	18.78	19.50
		1	13	18.48	18.49	18.51	19.50
		1	24	18.71	18.67	18.76	19.50
		12	0	18.56	18.55	18.57	19.50
		12	6	18.68	18.65	18.60	19.50
12		13	18.71	18.71	18.73	19.50	
25		0	17.93	18.01	18.06	19.50	
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				133197/670.5	133297/680.5	133397/690.5	
15MHz	QPSK	1	0	22.96	22.97	23.02	24.00
		1	38	23.05	22.99	22.96	24.00
		1	74	23.02	22.81	22.92	24.00
		36	0	22.01	21.98	21.97	23.00
		36	18	22.06	22.01	22.09	23.00
		36	39	22.13	22.08	22.05	23.00
		75	0	22.09	21.97	22.03	23.00
	16QAM	1	0	22.15	22.12	22.16	23.00
		1	38	22.22	22.21	22.23	23.00
		1	74	22.36	22.31	22.34	23.00
		36	0	21.03	21.02	21.06	22.00
		36	18	21.11	21.08	21.10	22.00
		36	39	21.15	21.11	21.16	22.00
		75	0	21.11	21.07	21.11	22.00
	64QAM	1	0	21.32	21.27	21.30	22.00
		1	13	21.32	21.26	21.18	22.00
		1	24	21.40	21.39	21.42	22.00
		12	0	20.22	20.27	20.30	21.50
		12	6	20.30	20.22	20.18	21.50
		12	13	20.33	20.32	20.33	21.50
		25	0	20.24	20.25	20.14	21.50
	256QAM	1	0	18.75	18.82	18.76	19.50



Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				133222/673	133322/683	133372/688	
		1	13	18.46	18.46	18.49	19.50
		1	24	18.72	18.66	18.77	19.50
		12	0	18.55	18.57	18.58	19.50
		12	6	18.66	18.62	18.59	19.50
		12	13	18.69	18.67	18.70	19.50
		25	0	17.90	17.96	18.02	19.50
20MHz	QPSK	1	0	23.03	22.92	22.89	24.00
		1	50	22.84	22.98	22.95	24.00
		1	99	23.14	23.01	22.87	24.00
		50	0	22.03	21.94	21.96	23.00
		50	25	22.00	21.91	22.00	23.00
		50	50	22.08	22.07	22.03	23.00
		100	0	22.14	21.95	22.10	23.00
	16QAM	1	0	22.24	22.16	22.21	23.00
		1	50	22.29	22.23	22.27	23.00
		1	99	22.43	22.37	22.39	23.00
		50	0	21.03	20.98	21.01	22.00
		50	25	21.13	21.05	21.08	22.00
		50	50	21.10	21.03	21.07	22.00
		100	0	21.15	21.07	21.10	22.00
	64QAM	1	0	21.51	21.53	21.60	22.00
		1	50	21.20	21.01	21.12	22.00
		1	99	21.48	21.44	21.50	22.00
		50	0	20.33	20.44	20.55	21.50
		50	25	20.35	20.32	20.31	21.50
		50	50	20.48	20.58	20.52	21.50
		100	0	20.24	20.29	20.26	21.50
	256QAM	1	0	18.73	18.78	18.71	19.50
		1	50	18.42	18.44	18.45	19.50
		1	99	18.66	18.60	18.71	19.50
		50	0	18.50	18.49	18.51	19.50
		50	25	18.62	18.58	18.53	19.50
		50	50	18.66	18.62	18.66	19.50
		100	0	17.88	17.92	17.99	19.50



1.4 CA Mode

Antenna	CA Combination	Test Scenario	Modulation	PCC						SCC					output power	
				PCC Band	PCC Bandwidth (MHz)	PCC UL RB size	PCC UL RB offset	PCC UL Channel	PCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC UL Channel	SCC UL RB size	SCC UL RB offset	conducted power (dbm)	Tune up (dbm)
ANT 3	CA_41C	Full Power&Level1 &Level2&Level3&Level4 &Level5&Level6-D1 &Level6-D2&Level7-D1	QPSK	41	20	1	99	39750	39750	41	20	39948	1	0	23.52	25.00
	CA_41C		QPSK	41	20	1	0	40185	40185	41	20	40383	1	99	23.42	25.00
	CA_41C		QPSK	41	20	1	99	40185	40185	41	20	39987	1	0	23.51	25.00
	CA_41C		QPSK	41	20	1	0	40620	40620	41	20	40818	1	99	23.49	25.00
	CA_41C		QPSK	41	20	1	99	40620	40620	41	20	40422	1	0	23.40	25.00
	CA_41C		QPSK	41	20	1	0	41055	41055	41	20	41253	1	99	23.39	25.00
	CA_41C		QPSK	41	20	1	99	41055	41055	41	20	40857	1	0	23.37	25.00
	CA_41C		QPSK	41	20	1	0	41490	41490	41	20	41292	1	99	23.42	25.00
ANT 7	CA_66C	Full Power&Level2&Level6-D1&Level6-D2&Level7-D1	QPSK	66	20	1	99	132072	66536	66	20	132270	1	0	22.76	24.60
	CA_66C		QPSK	66	20	1	0	132322	66786	66	20	132520	1	99	22.89	24.60
	CA_66C		QPSK	66	20	1	99	132322	66786	66	20	132124	1	0	22.81	24.60
	CA_66C		QPSK	66	20	1	0	132572	67036	66	20	132374	1	99	22.80	24.60
	CA_66C	Level1	QPSK	66	20	1	99	132072	66536	66	20	132270	1	0	18.69	20.00
	CA_66C		QPSK	66	20	1	0	132322	66786	66	20	132520	1	99	18.74	20.00
	CA_66C		QPSK	66	20	1	99	132322	66786	66	20	132124	1	0	18.82	20.00
	CA_66C		QPSK	66	20	1	0	132572	67036	66	20	132374	1	99	18.75	20.00
	CA_66C	Level4	QPSK	66	20	1	99	132072	66536	66	20	132270	1	0	16.52	18.00
	CA_66C		QPSK	66	20	1	0	132322	66786	66	20	132520	1	99	16.59	18.00
	CA_66C		QPSK	66	20	1	99	132322	66786	66	20	132124	1	0	16.47	18.00
	CA_66C		QPSK	66	20	1	0	132572	67036	66	20	132374	1	99	16.49	18.00
	CA_66C	Level3&Level5	QPSK	66	20	1	99	132072	66536	66	20	132270	1	0	19.80	21.60
	CA_66C		QPSK	66	20	1	0	132322	66786	66	20	132520	1	99	19.78	21.60
	CA_66C		QPSK	66	20	1	99	132322	66786	66	20	132124	1	0	19.73	21.60
	CA_66C		QPSK	66	20	1	0	132572	67036	66	20	132374	1	99	19.72	21.60

1.5 NR Mode

1.5.1 EN-DC (LTE) Mode

Ant 1

LTE FDD Band 2 Full Power&Level1&Level2&Level4&Level6-D2				Conducted Power(dBm)			Tune-up Limit
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			
				18607/1850.7	18900/1880	19193/1909.3	
1.4MHz	QPSK	1	0	23.85	23.03	23.81	24.00
		1	2	23.72	22.35	22.15	24.00
		1	5	23.22	23.59	22.40	24.00
		3	0	23.65	22.72	23.12	24.00
		3	2	23.68	22.74	22.30	24.00
		3	3	23.42	23.18	22.16	24.00
		6	0	22.94	22.94	22.63	23.00
	16QAM	1	0	21.67	22.18	22.22	23.00
		1	2	21.66	21.60	21.66	23.00
		1	5	22.89	22.89	22.92	23.00
		3	0	21.85	21.81	21.85	23.00
		3	2	21.81	21.80	21.83	23.00
		3	3	22.20	22.20	22.24	23.00
		6	0	21.82	21.98	21.65	22.00
	64QAM	1	0	20.51	21.05	20.56	22.00
		1	2	20.53	20.43	20.54	22.00
		1	5	21.75	21.77	21.78	22.00
		3	0	20.88	20.86	20.90	22.00
		3	2	20.93	20.90	20.97	22.00
		3	3	21.29	21.31	21.34	22.00
		6	0	20.85	20.71	20.48	21.00
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				18615/1851.5	18900/1880	19185/1908.5	
3MHz	QPSK	1	0	23.85	23.00	23.98	24.00
		1	7	23.68	22.34	22.14	24.00
		1	14	23.09	23.57	22.38	24.00
		8	0	23.95	22.69	23.09	24.00
		8	4	23.74	22.72	22.28	24.00
		8	7	23.38	23.15	22.13	24.00
		15	0	22.91	22.90	22.60	23.00
	16QAM	1	0	21.66	22.14	22.20	23.00
		1	7	21.64	21.59	21.63	23.00
		1	14	22.86	22.84	22.88	23.00
		8	0	21.83	21.77	21.82	23.00



Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit	
				18625/1852.5	18900/1880	19175/1907.5		
	64QAM	8	4	21.78	21.75	21.79	23.00	
		8	7	22.17	22.15	22.20	23.00	
		15	0	21.89	21.97	21.82	22.00	
		1	0	20.48	21.00	20.51	22.00	
		1	7	20.48	20.37	20.47	22.00	
		1	14	21.70	21.68	21.71	22.00	
		8	0	20.83	20.77	20.83	22.00	
		8	4	20.87	20.82	20.89	22.00	
		8	7	21.24	21.22	21.25	22.00	
		15	0	20.86	20.75	20.89	21.00	
5MHz	QPSK	1	0	23.82	22.98	23.94	24.00	
		1	13	23.66	22.30	22.11	24.00	
		1	24	23.06	23.52	22.34	24.00	
		12	0	23.92	22.64	23.05	24.00	
		12	6	23.72	22.68	22.23	24.00	
		12	13	23.36	23.13	22.09	24.00	
		25	0	22.91	22.89	22.58	23.00	
	16QAM	1	0	21.63	22.10	22.17	23.00	
		1	13	21.61	21.57	21.60	23.00	
		1	24	22.83	22.82	22.84	23.00	
		12	0	21.81	21.73	21.79	23.00	
		12	6	21.75	21.70	21.75	23.00	
		12	13	22.14	22.10	22.16	23.00	
		25	0	21.97	21.93	21.96	22.00	
	64QAM	1	0	20.45	21.00	20.48	22.00	
		1	13	20.45	20.39	20.44	22.00	
		1	24	21.71	21.66	21.67	22.00	
		12	0	20.81	20.73	20.84	22.00	
		12	6	20.84	20.77	20.85	22.00	
		12	13	21.21	21.17	21.21	22.00	
		25	0	20.84	20.93	20.88	21.00	
	Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
					18650/1855	18900/1880	19150/1905	
	10MHz	QPSK	1	0	23.84	22.99	23.97	24.00
1			25	23.69	22.35	22.15	24.00	
1			49	23.08	23.56	22.37	24.00	
25			0	23.95	22.69	23.09	24.00	
25			13	23.75	22.73	22.27	24.00	
25			25	23.38	23.17	22.14	24.00	
50			0	22.95	22.91	22.62	23.00	
16QAM		1	0	21.65	22.13	22.19	23.00	



		1	25	21.64	21.61	21.63	23.00
		1	49	22.86	22.84	22.87	23.00
		25	0	21.84	21.78	21.83	23.00
		25	13	21.77	21.74	21.78	23.00
		25	25	22.17	22.15	22.20	23.00
		50	0	22.00	21.98	22.00	22.00
	64QAM	1	0	20.47	20.99	20.50	22.00
		1	25	20.48	20.39	20.47	22.00
		1	49	21.70	21.68	21.70	22.00
		25	0	20.84	20.78	20.84	22.00
		25	13	20.86	20.81	20.88	22.00
		25	25	21.24	21.22	21.25	22.00
		50	0	20.81	20.81	20.83	21.00
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				18675/1857.5	18900/1880	19125/1902.5	
15MHz	QPSK	1	0	23.83	22.95	23.95	24.00
		1	38	23.67	22.34	22.12	24.00
		1	74	23.05	23.51	22.33	24.00
		36	0	23.93	22.65	23.06	24.00
		36	18	23.72	22.68	22.23	24.00
		36	39	23.35	23.14	22.10	24.00
		75	0	22.93	22.87	22.57	23.00
	16QAM	1	0	21.60	22.11	22.17	23.00
		1	38	21.62	21.58	21.61	23.00
		1	74	22.83	22.80	22.84	23.00
		36	0	21.81	21.76	21.80	23.00
		36	18	21.74	21.69	21.74	23.00
		36	39	22.15	22.11	22.17	23.00
		75	0	21.97	21.93	21.96	22.00
	64QAM	1	0	20.42	20.97	20.48	22.00
		1	38	20.46	20.36	20.45	22.00
		1	74	21.71	21.67	21.71	22.00
		36	0	20.83	20.80	20.85	22.00
		36	18	20.84	20.78	20.87	22.00
		36	39	21.22	21.18	21.22	22.00
		75	0	20.69	20.88	20.79	21.00
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				18700/1860	18900/1880	19100/1900	
20MHz	QPSK	1	0	23.80	22.91	23.92	24.00
		1	50	23.66	22.30	22.10	24.00
		1	99	23.03	23.50	22.30	24.00
		50	0	23.90	22.60	23.02	24.00
		50	25	23.70	22.64	22.20	24.00



		50	50	23.32	23.09	22.06	24.00
		100	0	22.90	22.82	22.53	23.00
	16QAM	1	0	22.13	22.07	22.12	23.00
		1	50	21.58	21.56	21.57	23.00
		1	99	22.81	22.77	22.82	23.00
		50	0	21.78	21.72	21.77	23.00
		50	25	21.71	21.67	21.71	23.00
		50	50	22.12	22.06	22.13	23.00
		100	0	21.95	21.89	21.93	22.00
		64QAM	1	0	20.40	20.93	20.43
	1		50	20.42	20.34	20.41	22.00
	1		99	21.65	21.61	21.65	22.00
	50		0	20.78	20.72	20.78	22.00
	50		25	20.80	20.74	20.81	22.00
	50		50	21.19	21.13	21.18	22.00
	100		0	20.83	20.92	20.88	21.00

LTE FDD Band 2 Level3&Level5&Level6-D1&Level7-D1				Conducted Power(dBm)			Tune-up Limit
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			
				18607/1850.7	18900/1880	19193/1909.3	
1.4MHz	QPSK	1	0	20.96	21.19	20.09	21.50
		1	2	20.75	19.71	19.88	21.50
		1	5	20.20	19.95	21.21	21.50
		3	0	21.18	21.02	21.20	21.50
		3	2	21.12	20.86	20.95	21.50
		3	3	21.43	20.50	21.24	21.50
		6	0	19.96	20.10	20.04	20.50
	16QAM	1	0	18.79	19.51	19.49	20.50
		1	2	18.77	18.84	18.90	20.50
		1	5	19.96	20.18	20.10	20.50
		3	0	19.85	19.99	19.94	20.50
		3	2	19.84	20.00	19.98	20.50
		3	3	20.20	20.49	20.34	20.50
		6	0	19.06	19.17	19.13	19.50
	64QAM	1	0	17.63	17.66	18.19	19.50
		1	2	18.09	18.00	18.02	19.50
		1	5	19.16	19.41	19.30	19.50
		3	0	19.19	19.36	19.30	19.50
		3	2	18.94	19.12	19.08	19.50
		3	3	19.27	19.38	19.25	19.50
		6	0	17.94	18.12	18.16	18.50
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up



Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				18625/1852.5	18900/1880	19175/1907.5	
3MHz	QPSK	1	0	18615/1851.5	18900/1880	19185/1908.5	Limit
		1	0	20.98	21.23	20.12	21.50
		1	7	20.73	19.74	19.92	21.50
		1	14	20.23	20.00	21.25	21.50
		8	0	21.08	20.82	20.33	21.50
		8	4	20.84	19.96	20.07	21.50
		8	7	20.53	19.61	20.34	21.50
	15	0	19.96	20.14	20.07	20.50	
	16QAM	1	0	18.82	19.53	19.52	20.50
		1	7	18.80	18.84	18.94	20.50
		1	14	19.98	20.22	20.13	20.50
		8	0	18.96	19.12	19.06	20.50
		8	4	18.95	19.13	19.10	20.50
		8	7	19.30	19.61	19.47	20.50
		15	0	19.09	19.21	19.16	19.50
	64QAM	1	0	17.66	17.68	18.22	19.50
		1	7	18.12	18.00	18.04	19.50
		1	14	19.18	19.40	19.33	19.50
		8	0	18.30	18.49	18.42	19.50
		8	4	18.05	18.25	18.20	19.50
		8	7	18.37	18.50	18.38	19.50
15		0	17.97	18.16	18.19	18.50	
5MHz	QPSK	1	0	20.95	21.21	20.08	21.50
		1	13	20.71	19.70	19.89	21.50
		1	24	20.20	19.95	21.21	21.50
		12	0	21.05	20.77	20.29	21.50
		12	6	20.82	19.92	20.02	21.50
		12	13	20.51	19.59	20.30	21.50
		25	0	19.96	20.13	20.05	20.50
	16QAM	1	0	18.79	19.49	19.49	20.50
		1	13	18.77	18.82	18.91	20.50
		1	24	19.95	20.20	20.09	20.50
		12	0	18.94	19.08	19.03	20.50
		12	6	18.92	19.08	19.06	20.50
		12	13	19.27	19.56	19.43	20.50
		25	0	19.07	19.17	19.11	19.50
	64QAM	1	0	17.63	17.68	18.19	19.50
		1	13	18.09	18.02	18.01	19.50
		1	24	19.19	19.38	19.29	19.50
		12	0	18.28	18.45	18.43	19.50
		12	6	18.02	18.20	18.16	19.50



Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit	
				18650/1855	18900/1880	19150/1905		
10MHz	QPSK	12	13	18.34	18.45	18.34	19.50	
		25	0	17.95	18.12	18.14	18.50	
		1	0	20.97	21.22	20.11	21.50	
		1	25	20.74	19.75	19.93	21.50	
		1	49	20.22	19.99	21.24	21.50	
		25	0	21.08	20.82	20.33	21.50	
		25	13	20.85	19.97	20.06	21.50	
	16QAM	25	25	20.53	19.63	20.35	21.50	
		50	0	20.00	20.15	20.09	20.50	
		1	0	18.81	19.52	19.51	20.50	
		1	25	18.80	18.86	18.94	20.50	
		1	49	19.98	20.22	20.12	20.50	
		25	0	18.97	19.13	19.07	20.50	
		25	13	18.94	19.12	19.09	20.50	
	64QAM	25	25	19.30	19.61	19.47	20.50	
		50	0	19.10	19.22	19.15	19.50	
		1	0	17.65	17.67	18.21	19.50	
		1	25	18.12	18.02	18.04	19.50	
		1	49	19.18	19.40	19.32	19.50	
		25	0	18.31	18.50	18.43	19.50	
		25	13	18.04	18.24	18.19	19.50	
	15MHz	QPSK	25	25	18.37	18.50	18.38	19.50
			50	0	17.98	18.17	18.18	18.50
			1	0	20.96	21.18	20.09	21.50
1			38	20.72	19.74	19.90	21.50	
1			74	20.19	19.94	21.20	21.50	
36			0	21.06	20.78	20.30	21.50	
36			18	20.82	19.92	20.02	21.50	
16QAM		36	39	20.50	19.60	20.31	21.50	
		75	0	19.98	20.11	20.04	20.50	
		1	0	18.76	19.50	19.49	20.50	
		1	38	18.78	18.83	18.92	20.50	
		1	74	19.95	20.18	20.09	20.50	
		36	0	18.94	19.11	19.04	20.50	
		36	18	18.91	19.07	19.05	20.50	
64QAM		36	39	19.28	19.57	19.44	20.50	
		75	0	19.07	19.17	19.11	19.50	
		1	0	17.60	17.65	18.19	19.50	
		1	38	18.10	17.99	18.02	19.50	



Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				18700/1860	18900/1880	19100/1900	
20MHz	QPSK	1	74	19.19	19.39	19.33	19.50
		36	0	18.30	18.52	18.44	19.50
		36	18	18.02	18.21	18.18	19.50
		36	39	18.35	18.46	18.35	19.50
		75	0	17.95	18.12	18.14	18.50
		1	0	20.93	21.14	20.06	21.50
		1	50	20.71	19.70	19.88	21.50
	1	99	20.17	19.93	21.17	21.50	
	50	0	21.03	20.73	20.26	21.50	
	50	25	20.80	19.88	19.99	21.50	
	50	50	20.47	19.55	20.27	21.50	
	100	0	19.95	20.06	20.00	20.50	
	16QAM	1	0	18.72	19.46	19.44	20.50
		1	50	18.74	18.81	18.88	20.50
		1	99	19.93	20.15	20.07	20.50
		50	0	18.91	19.07	19.01	20.50
		50	25	18.88	19.05	19.02	20.50
		50	50	19.25	19.52	19.40	20.50
		100	0	19.05	19.13	19.08	19.50
	64QAM	1	0	17.58	17.61	18.14	19.50
1		50	18.06	17.97	17.98	19.50	
1		99	19.13	19.33	19.27	19.50	
50		0	18.25	18.44	18.37	19.50	
50		25	17.98	18.17	18.12	19.50	
50		50	18.32	18.41	18.31	19.50	
100		0	17.93	18.08	18.11	18.50	

LTE FDD Band 66 Full Power&Level1&Level2&Level4& Level6-D1&Level6-D2&Level7-D1				Conducted Power(dBm)			Tune-up Limit
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			
				131979/1710.7	132322/1745	132665/1779.3	
1.4MHz	QPSK	1	0	22.64	22.96	22.93	24.00
		1	2	22.79	22.59	22.66	24.00
		1	5	22.55	22.91	22.62	24.00
		3	0	22.73	22.81	22.29	24.00
		3	2	22.74	22.75	22.61	24.00
		3	3	22.66	22.76	22.76	24.00
		6	0	21.73	21.88	21.72	23.00
	16QAM	1	0	21.78	22.11	22.10	23.00



		1	2	21.76	21.78	21.76	23.00
		1	5	21.99	22.03	22.04	23.00
		3	0	21.76	21.80	21.80	23.00
		3	2	21.70	21.73	21.74	23.00
		3	3	21.76	21.84	21.82	23.00
		6	0	20.80	20.89	20.88	22.00
	64QAM	1	0	20.91	20.61	20.64	22.00
		1	2	20.53	20.61	20.61	22.00
		1	5	20.81	20.90	20.85	22.00
		3	0	20.73	20.77	20.78	22.00
		3	2	20.66	20.71	20.73	22.00
		3	3	20.72	20.80	20.76	22.00
			6	0	19.84	19.91	19.92
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				1319871711.5	132322/1745	132657/1778.5	
3MHz	QPSK	1	0	22.66	23.00	22.96	24.00
		1	7	22.77	22.62	22.70	24.00
		1	14	22.58	22.96	22.66	24.00
		8	0	22.83	22.93	22.42	24.00
		8	4	22.86	22.85	22.73	24.00
		8	7	22.76	22.87	22.86	24.00
		15	0	22.73	22.92	22.75	23.00
	16QAM	1	0	21.81	22.13	22.13	23.00
		1	7	21.79	21.78	21.80	23.00
		1	14	22.01	22.07	22.07	23.00
		8	0	21.87	21.93	21.92	23.00
		8	4	21.81	21.86	21.86	23.00
		8	7	21.86	21.96	21.95	23.00
		15	0	21.83	21.93	21.91	22.00
	64QAM	1	0	20.94	20.63	20.67	22.00
		1	7	20.56	20.61	20.63	22.00
		1	14	20.83	20.89	20.88	22.00
		8	0	20.84	20.90	20.90	22.00
		8	4	20.77	20.84	20.85	22.00
		8	7	20.82	20.92	20.89	22.00
		15	0	20.87	20.95	20.95	21.00
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				131997/1712.5	132322/1745	132647/1777.5	
5MHz	QPSK	1	0	22.63	22.98	22.92	24.00
		1	13	22.75	22.58	22.67	24.00
		1	24	22.55	22.91	22.62	24.00
		12	0	22.80	22.88	22.38	24.00
		12	6	22.84	22.81	22.68	24.00



Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit	
				132022/1715	132322/1745	132622/1775		
10MHz	16QAM	12	13	22.74	22.85	22.82	24.00	
		25	0	22.73	22.91	22.73	23.00	
		1	0	21.78	22.09	22.10	23.00	
		1	13	21.76	21.76	21.77	23.00	
		1	24	21.98	22.05	22.03	23.00	
		12	0	21.85	21.89	21.89	23.00	
		12	6	21.78	21.81	21.82	23.00	
		12	13	21.83	21.91	21.91	23.00	
	64QAM	25	0	21.81	21.89	21.86	22.00	
		1	0	20.91	20.63	20.64	22.00	
		1	13	20.53	20.63	20.60	22.00	
		1	24	20.84	20.87	20.84	22.00	
		12	0	20.82	20.86	20.91	22.00	
		12	6	20.74	20.79	20.81	22.00	
		12	13	20.79	20.87	20.85	22.00	
		25	0	20.85	20.91	20.90	21.00	
	10MHz	QPSK	1	0	22.65	22.99	22.95	24.00
			1	25	22.78	22.63	22.71	24.00
			1	49	22.57	22.95	22.65	24.00
			25	0	22.83	22.93	22.42	24.00
25			13	22.87	22.86	22.72	24.00	
25			25	22.76	22.89	22.87	24.00	
50			0	22.77	22.93	22.77	23.00	
16QAM		1	0	21.80	22.12	22.12	23.00	
		1	25	21.79	21.80	21.80	23.00	
		1	49	22.01	22.07	22.06	23.00	
		25	0	21.88	21.94	21.93	23.00	
		25	13	21.80	21.85	21.85	23.00	
		25	25	21.86	21.96	21.95	23.00	
		50	0	21.84	21.94	21.90	22.00	
64QAM		1	0	20.93	20.62	20.66	22.00	
		1	25	20.56	20.63	20.63	22.00	
		1	49	20.83	20.89	20.87	22.00	
		25	0	20.85	20.91	20.91	22.00	
		25	13	20.76	20.83	20.84	22.00	
		25	25	20.82	20.92	20.89	22.00	
	50	0	20.88	20.96	20.94	21.00		
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit	
				132047/1717.5	132322/1745	132597/1772.5		
15MHz	QPSK	1	0	22.64	22.95	22.93	24.00	
		1	38	22.76	22.62	22.68	24.00	



		1	74	22.54	22.90	22.61	24.00	
		36	0	22.81	22.89	22.39	24.00	
		36	18	22.84	22.81	22.68	24.00	
		36	39	22.73	22.86	22.83	24.00	
		75	0	22.75	22.89	22.72	23.00	
	16QAM	1	0	21.75	22.10	22.10	23.00	
		1	38	21.77	21.77	21.78	23.00	
		1	74	21.98	22.03	22.03	23.00	
		36	0	21.85	21.92	21.90	23.00	
		36	18	21.77	21.80	21.81	23.00	
		36	39	21.84	21.92	21.92	23.00	
		75	0	21.81	21.89	21.86	22.00	
	64QAM	1	0	20.88	20.60	20.64	22.00	
		1	38	20.54	20.60	20.61	22.00	
		1	74	20.84	20.88	20.88	22.00	
		36	0	20.84	20.93	20.92	22.00	
		36	18	20.74	20.80	20.83	22.00	
		36	39	20.80	20.88	20.86	22.00	
		75	0	20.85	20.91	20.90	21.00	
	Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
					132072/1720	132322/1745	132572/1770	
20MHz	QPSK	1	0	22.61	22.91	22.90	24.00	
		1	50	22.75	22.58	22.66	24.00	
		1	99	22.52	22.89	22.58	24.00	
		50	0	22.78	22.84	22.35	24.00	
		50	25	22.82	22.77	22.65	24.00	
		50	50	22.70	22.81	22.79	24.00	
		100	0	22.72	22.84	22.68	23.00	
	16QAM	1	0	22.00	22.06	22.05	23.00	
		1	50	21.73	21.75	21.74	23.00	
		1	99	21.96	22.00	22.01	23.00	
		50	0	21.82	21.88	21.87	23.00	
		50	25	21.74	21.78	21.78	23.00	
		50	50	21.81	21.87	21.88	23.00	
		100	0	21.79	21.85	21.83	22.00	
	64QAM	1	0	20.86	20.56	20.59	22.00	
		1	50	20.50	20.58	20.57	22.00	
		1	99	20.78	20.82	20.82	22.00	
		50	0	20.79	20.85	20.85	22.00	
		50	25	20.70	20.76	20.77	22.00	
		50	50	20.77	20.83	20.82	22.00	
		100	0	20.83	20.87	20.87	21.00	



LTE FDD Band 66 Level3&Level5				Conducted Power(dBm)			Tune-up Limit
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			
				131979/1710.7	132322/1745	132665/1779.3	
1.4MHz	QPSK	1	0	19.73	20.12	20.05	21.00
		1	2	19.84	19.76	19.67	21.00
		1	5	19.66	19.73	20.08	21.00
		3	0	20.83	20.50	20.92	21.00
		3	2	20.83	20.80	20.88	21.00
		3	3	20.78	20.88	20.93	21.00
		6	0	19.49	19.59	19.74	20.00
	16QAM	1	0	18.90	19.23	19.26	20.00
		1	2	18.88	18.85	18.89	20.00
		1	5	19.09	19.18	19.14	20.00
		3	0	19.87	19.90	19.92	20.00
		3	2	19.83	19.88	19.89	20.00
		3	3	19.56	19.73	19.65	20.00
		6	0	18.59	18.74	18.75	19.00
	64QAM	1	0	18.06	17.77	17.76	19.00
		1	2	17.65	17.68	17.74	19.00
		1	5	17.91	18.04	17.96	19.00
		3	0	18.84	18.88	18.89	19.00
		3	2	18.79	18.87	18.87	19.00
		3	3	18.82	18.97	18.91	19.00
		6	0	17.16	17.43	17.68	18.00
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
3MHz	QPSK	1	0	19.75	20.16	20.08	21.00
		1	7	19.82	19.79	19.71	21.00
		1	14	19.69	19.78	20.12	21.00
		8	0	19.93	19.62	20.05	21.00
		8	4	19.95	19.90	20.00	21.00
		8	7	19.88	19.99	20.03	21.00
		15	0	19.79	19.73	19.57	20.00
	16QAM	1	0	18.93	19.25	19.29	20.00
		1	7	18.91	18.85	18.93	20.00
		1	14	19.11	19.22	19.17	20.00
		8	0	18.98	19.03	19.04	20.00
		8	4	18.94	19.01	19.01	20.00
		8	7	18.96	19.15	19.08	20.00
		15	0	18.72	18.68	18.76	19.00
	64QAM	1	0	18.09	17.79	17.79	19.00



		1	7	17.68	17.68	17.76	19.00
		1	14	17.93	18.03	17.99	19.00
		8	0	17.95	18.01	18.01	19.00
		8	4	17.90	18.00	17.99	19.00
		8	7	17.92	18.09	18.04	19.00
		15	0	17.19	17.47	17.71	18.00
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				131997/1712.5	132322/1745	132647/1777.5	
5MHz	QPSK	1	0	19.72	20.14	20.04	21.00
		1	13	19.80	19.75	19.68	21.00
		1	24	19.66	19.73	20.08	21.00
		12	0	19.90	19.57	20.01	21.00
		12	6	19.93	19.86	19.95	21.00
		12	13	19.86	19.97	19.99	21.00
		25	0	19.79	19.82	19.67	20.00
	16QAM	1	0	18.90	19.21	19.26	20.00
		1	13	18.88	18.83	18.90	20.00
		1	24	19.08	19.20	19.13	20.00
		12	0	18.96	18.99	19.01	20.00
		12	6	18.91	18.96	18.97	20.00
		12	13	18.93	19.10	19.04	20.00
		25	0	18.60	18.64	18.71	19.00
	64QAM	1	0	18.06	17.79	17.76	19.00
		1	13	17.65	17.70	17.73	19.00
		1	24	17.94	18.01	17.95	19.00
		12	0	17.93	17.97	18.02	19.00
		12	6	17.87	17.95	17.95	19.00
		12	13	17.89	18.04	18.00	19.00
		25	0	17.17	17.43	17.66	18.00
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
				132022/1715	132322/1745	132622/1775	
10MHz	QPSK	1	0	19.74	20.15	20.07	21.00
		1	25	19.83	19.80	19.72	21.00
		1	49	19.68	19.77	20.11	21.00
		25	0	19.93	19.62	20.05	21.00
		25	13	19.96	19.91	19.99	21.00
		25	25	19.88	20.01	20.04	21.00
		50	0	19.83	19.94	19.79	20.00
	16QAM	1	0	18.92	19.24	19.28	20.00
		1	25	18.91	18.87	18.93	20.00
		1	49	19.11	19.22	19.16	20.00
		25	0	18.99	19.04	19.05	20.00
		25	13	18.93	19.00	19.00	20.00



		25	25	18.96	19.15	19.08	20.00	
		50	0	18.63	18.79	18.57	19.00	
	64QAM	1	0	18.08	17.78	17.78	19.00	
		1	25	17.68	17.70	17.76	19.00	
		1	49	17.93	18.03	17.98	19.00	
		25	0	17.96	18.02	18.02	19.00	
		25	13	17.89	17.99	17.98	19.00	
		25	25	17.92	18.09	18.04	19.00	
		50	0	17.20	17.48	17.70	18.00	
Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit	
				132047/1717.5	132322/1745	132597/1772.5		
15MHz	QPSK	1	0	19.73	20.11	20.05	21.00	
		1	38	19.81	19.79	19.69	21.00	
		1	74	19.65	19.72	20.07	21.00	
		36	0	19.91	19.58	20.02	21.00	
		36	18	19.93	19.86	19.95	21.00	
		36	39	19.85	19.98	20.00	21.00	
		75	0	19.81	19.90	19.84	20.00	
	16QAM	1	0	18.87	19.22	19.26	20.00	
		1	38	18.89	18.84	18.91	20.00	
		1	74	19.08	19.18	19.13	20.00	
		36	0	18.96	19.02	19.02	20.00	
		36	18	18.90	18.95	18.96	20.00	
		36	39	18.94	19.11	19.05	20.00	
		75	0	18.90	18.74	18.88	19.00	
	64QAM	1	0	18.03	17.76	17.76	19.00	
		1	38	17.66	17.67	17.74	19.00	
		1	74	17.94	18.02	17.99	19.00	
		36	0	17.95	18.04	18.03	19.00	
		36	18	17.87	17.96	17.97	19.00	
		36	39	17.90	18.05	18.01	19.00	
		75	0	17.17	17.43	17.66	18.00	
	Bandwidth	Modulation	RB size	RB offset	Channel/Frequency (MHz)			Tune-up Limit
					132072/1720	132322/1745	132572/1770	
	20MHz	QPSK	1	0	19.70	20.07	20.02	21.00
1			50	19.80	19.75	19.67	21.00	
1			99	19.63	19.71	20.04	21.00	
50			0	19.88	19.53	19.98	21.00	
50			25	19.91	19.82	19.92	21.00	
50			50	19.82	19.93	19.96	21.00	
100			0	19.78	19.85	20.00	20.00	
16QAM		1	0	18.86	19.18	19.21	20.00	
		1	50	18.85	18.82	18.87	20.00	



		1	99	19.06	19.15	19.11	20.00
		50	0	18.93	18.98	18.99	20.00
		50	25	18.87	18.93	18.93	20.00
		50	50	18.91	19.06	19.01	20.00
		100	0	18.88	19.00	19.00	19.00
	64QAM	1	0	18.01	17.72	17.71	19.00
		1	50	17.62	17.65	17.70	19.00
		1	99	17.88	17.96	17.93	19.00
		50	0	17.90	17.96	17.96	19.00
		50	25	17.83	17.92	17.91	19.00
		50	50	17.87	18.00	17.97	19.00
		100	0	17.15	17.39	17.63	18.00



1.5.2 NR Mode

Ant 1

NR n25 Full Power&Level 1&Level 4				Conducted Power(dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				370500/ 1852.5	376500/ 1882.5	382500/ 1912.5	
5MHz	DFT-s-OFDM BPSK	1	1	22.62	22.58	22.65	24.40
		1	23	22.75	22.67	22.71	24.40
		12	6	22.85	22.73	22.82	24.40
	DFT-s-OFDM QPSK	1	1	22.67	22.51	22.79	24.40
		1	23	22.78	22.82	22.85	24.40
		12	6	22.89	22.90	22.82	24.40
	DFT-s-OFDM 16QAM	12	6	21.82	21.85	21.90	23.00
		1	0	20.86	20.87	20.83	22.00
		1	24	20.84	20.88	20.86	22.00
	DFT-s-OFDM 64QAM	1	0	20.58	20.54	20.53	21.50
		1	24	20.58	20.46	20.55	21.50
		25	0	20.42	20.34	20.39	21.50
	DFT-s-OFDM 256QAM	1	0	18.47	18.40	18.45	19.50
		1	24	18.43	18.36	18.41	19.50
		25	0	18.51	18.45	18.49	19.50
	CP-OFDM QPSK	13	6	21.38	21.33	21.35	22.50
CP-OFDM 16QAM	13	6	20.99	20.89	20.90	22.00	
CP-OFDM 64QAM	1	0	19.04	18.92	19.05	20.50	
CP-OFDM 256QAM	1	0	16.99	16.87	17.00	17.50	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				371000/185 5	376500/188 2.5	382000/191 0	
10MHz	DFT-s-OFDM BPSK	1	1	22.64	22.59	22.68	24.40
		1	50	22.78	22.72	22.75	24.40
		25	12	22.87	22.77	22.85	24.40
	DFT-s-OFDM QPSK	1	1	22.70	22.56	22.83	24.40
		1	50	22.81	22.87	22.89	24.40
		25	12	22.91	22.94	22.87	24.40
	DFT-s-OFDM 16QAM	25	12	21.86	21.87	21.94	23.00
		1	0	20.88	20.90	20.85	22.00
		1	51	20.87	20.92	20.89	22.00
	DFT-s-OFDM 64QAM	1	0	20.61	20.56	20.56	21.50
		1	51	20.61	20.51	20.59	21.50
		50	0	20.44	20.38	20.42	21.50
	DFT-s-OFDM 256QAM	1	0	18.50	18.45	18.49	19.50
		1	51	18.46	18.41	18.45	19.50



Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				371500/185 7.5	376500/188 2.5	381500/190 7.5	
		50	0	18.53	18.44	18.51	19.50
	CP-OFDM QPSK	26	13	21.41	21.33	21.38	22.50
	CP-OFDM 16QAM	26	13	20.98	20.91	20.93	22.00
	CP-OFDM 64QAM	1	0	19.07	18.97	19.05	20.50
	CP-OFDM 256QAM	1	0	17.01	16.91	17.03	17.50
15MHz	DFT-s-OFDM BPSK	1	1	22.63	22.55	22.66	24.40
		1	77	22.76	22.71	22.72	24.40
		36	18	22.84	22.72	22.81	24.40
	DFT-s-OFDM QPSK	1	1	22.68	22.52	22.80	24.40
		1	77	22.78	22.82	22.85	24.40
		36	18	22.88	22.91	22.83	24.40
	DFT-s-OFDM 16QAM	36	18	21.84	21.83	21.89	23.00
		1	0	20.83	20.88	20.83	22.00
		1	78	20.85	20.89	20.87	22.00
	DFT-s-OFDM 64QAM	1	0	20.58	20.52	20.53	21.50
		1	78	20.58	20.49	20.56	21.50
		75	0	20.41	20.33	20.38	21.50
	DFT-s-OFDM 256QAM	1	0	18.48	18.41	18.46	19.50
		1	78	18.43	18.36	18.41	19.50
		75	0	18.48	18.42	18.49	19.50
CP-OFDM QPSK	39	19	21.39	21.30	21.36	22.50	
CP-OFDM 16QAM	39	19	20.99	20.90	20.94	22.00	
CP-OFDM 64QAM	1	0	19.06	18.99	19.06	20.50	
CP-OFDM 256QAM	1	0	16.99	16.88	17.02	17.50	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				372000/186 0	376500/188 2.5	381000/190 5	
20MHz	DFT-s-OFDM BPSK	1	1	22.60	22.51	22.63	24.40
		1	104	22.75	22.67	22.70	24.40
		50	25	22.82	22.71	22.78	24.40
	DFT-s-OFDM QPSK	1	1	22.65	22.47	22.76	24.40
		1	104	22.76	22.78	22.82	24.40
		50	25	22.85	22.86	22.79	24.40
	DFT-s-OFDM 16QAM	50	25	21.81	21.78	21.85	23.00
		1	0	20.86	20.84	20.78	22.00
		1	105	20.81	20.87	20.83	22.00
	DFT-s-OFDM 64QAM	1	0	20.56	20.49	20.51	21.50
		1	105	20.55	20.45	20.53	21.50
		100	0	20.38	20.31	20.35	21.50
	DFT-s-OFDM	1	0	18.45	18.36	18.42	19.50



	256QAM	1	105	18.41	18.32	18.38	19.50
		100	0	18.46	18.38	18.44	19.50
	CP-OFDM QPSK	53	26	21.35	21.28	21.32	22.50
	CP-OFDM 16QAM	53	26	20.93	20.84	20.88	22.00
	CP-OFDM 64QAM	1	0	19.01	18.91	18.99	20.50
	CP-OFDM 256QAM	1	0	16.95	16.84	16.96	17.50

NR n25 Level 2&Level 6-D2				Conducted Power(dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				370500/ 1852.5	376500/ 1882.5	382500/ 1912.5	
5MHz	DFT-s-OFDM BPSK	1	1	22.62	22.58	22.65	24.00
		1	23	22.75	22.67	22.71	24.00
		12	6	22.85	22.73	22.82	24.00
	DFT-s-OFDM QPSK	1	1	22.67	22.51	22.79	24.00
		1	23	22.78	22.82	22.85	24.00
		12	6	22.89	22.90	22.82	24.00
	DFT-s-OFDM 16QAM	12	6	21.82	21.85	21.90	23.00
		1	0	20.86	20.87	20.83	22.00
		1	24	20.84	20.88	20.86	22.00
	DFT-s-OFDM 64QAM	1	0	20.58	20.54	20.53	21.50
		1	24	20.58	20.46	20.55	21.50
		25	0	20.42	20.34	20.39	21.50
	DFT-s-OFDM 256QAM	1	0	18.47	18.40	18.45	19.50
		1	24	18.43	18.36	18.41	19.50
		25	0	18.51	18.45	18.49	19.50
	CP-OFDM QPSK	13	6	21.38	21.33	21.35	22.50
	CP-OFDM 16QAM	13	6	20.99	20.89	20.90	22.00
	CP-OFDM 64QAM	1	0	19.04	18.92	19.05	20.50
CP-OFDM 256QAM	1	0	16.99	16.87	17.00	17.50	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				371000/1855	376500/1882.5	382000/1910	
10MHz	DFT-s-OFDM BPSK	1	1	22.64	22.59	22.68	24.00
		1	50	22.78	22.72	22.75	24.00
		25	12	22.87	22.77	22.85	24.00
	DFT-s-OFDM QPSK	1	1	22.70	22.56	22.83	24.00
		1	50	22.81	22.87	22.89	24.00
		25	12	22.91	22.94	22.87	24.00



	DFT-s-OFDM 16QAM	25	12	21.86	21.87	21.94	23.00
		1	0	20.88	20.90	20.85	22.00
		1	51	20.87	20.92	20.89	22.00
	DFT-s-OFDM 64QAM	1	0	20.61	20.56	20.56	21.50
		1	51	20.61	20.51	20.59	21.50
		50	0	20.44	20.38	20.42	21.50
	DFT-s-OFDM 256QAM	1	0	18.50	18.45	18.49	19.50
		1	51	18.46	18.41	18.45	19.50
		50	0	18.53	18.44	18.51	19.50
	CP-OFDM QPSK	26	13	21.41	21.33	21.38	22.50
CP-OFDM 16QAM	26	13	20.98	20.91	20.93	22.00	
CP-OFDM 64QAM	1	0	19.07	18.97	19.05	20.50	
CP-OFDM 256QAM	1	0	17.01	16.91	17.03	17.50	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				371500/1857.5	376500/1882.5	381500/1907.5	
15MHz	DFT-s-OFDM BPSK	1	1	22.63	22.55	22.66	24.00
		1	77	22.76	22.71	22.72	24.00
		36	18	22.84	22.72	22.81	24.00
	DFT-s-OFDM QPSK	1	1	22.68	22.52	22.80	24.00
		1	77	22.78	22.82	22.85	24.00
		36	18	22.88	22.91	22.83	24.00
	DFT-s-OFDM 16QAM	36	18	21.84	21.83	21.89	23.00
		1	0	20.83	20.88	20.83	22.00
		1	78	20.85	20.89	20.87	22.00
	DFT-s-OFDM 64QAM	1	0	20.58	20.52	20.53	21.50
		1	78	20.58	20.49	20.56	21.50
		75	0	20.41	20.33	20.38	21.50
	DFT-s-OFDM 256QAM	1	0	18.48	18.41	18.46	19.50
		1	78	18.43	18.36	18.41	19.50
		75	0	18.48	18.42	18.49	19.50
	CP-OFDM QPSK	39	19	21.39	21.30	21.36	22.50
	CP-OFDM 16QAM	39	19	20.99	20.90	20.94	22.00
	CP-OFDM 64QAM	1	0	19.06	18.99	19.06	20.50
CP-OFDM 256QAM	1	0	16.99	16.88	17.02	17.50	
Bandwidth	Modulation	RB	offset	Channel/Frequency(MHz)			Tune-up



		allocation		372000/1860	376500/1882.5	381000/1905	
20MHz	DFT-s-OFDM BPSK	1	1	22.60	22.51	22.63	24.00
		1	104	22.75	22.67	22.70	24.00
		50	25	22.82	22.71	22.78	24.00
	DFT-s-OFDM QPSK	1	1	22.65	22.47	22.76	24.00
		1	104	22.76	22.78	22.82	24.00
		50	25	22.85	22.86	22.79	24.00
	DFT-s-OFDM 16QAM	50	25	21.81	21.78	21.85	23.00
		1	0	20.86	20.84	20.78	22.00
		1	105	20.81	20.87	20.83	22.00
	DFT-s-OFDM 64QAM	1	0	20.56	20.49	20.51	21.50
		1	105	20.55	20.45	20.53	21.50
		100	0	20.38	20.31	20.35	21.50
	DFT-s-OFDM 256QAM	1	0	18.45	18.36	18.42	19.50
		1	105	18.41	18.32	18.38	19.50
		100	0	18.46	18.38	18.44	19.50
	CP-OFDM QPSK	53	26	21.35	21.28	21.32	22.50
	CP-OFDM 16QAM	53	26	20.93	20.84	20.88	22.00
	CP-OFDM 64QAM	1	0	19.01	18.91	18.99	20.50
CP-OFDM 256QAM	1	0	16.95	16.84	16.96	17.50	

NR n25 Level 3&Level 5				Conducted Power(dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				370500/ 1852.5	376500/ 1882.5	382500/ 1912.5	
5MHz	DFT-s-OFDM BPSK	1	1	16.80	16.93	16.69	17.90
		1	23	16.83	16.80	16.77	17.90
		12	6	17.06	17.00	16.97	17.90
	DFT-s-OFDM QPSK	1	1	16.85	17.12	16.75	17.90
		1	23	16.92	17.14	17.10	17.90
		12	6	17.09	17.03	17.23	17.90
	DFT-s-OFDM 16QAM	12	6	15.85	16.17	16.06	17.00
		1	0	15.01	15.00	15.16	16.00
		1	24	14.99	14.89	15.11	16.00
	DFT-s-OFDM 64QAM	1	0	14.64	14.67	14.67	15.50
		1	24	14.63	14.61	14.59	15.50
		25	0	14.54	14.55	14.57	15.50



Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				371000/1855	376500/1882.5	382000/1910	
	DFT-s-OFDM 256QAM	1	0	12.59	12.72	12.58	13.50
		1	24	12.51	12.58	12.52	13.50
		25	0	12.72	12.60	12.58	13.50
	CP-OFDM QPSK	13	6	15.59	15.38	15.46	16.50
	CP-OFDM 16QAM	13	6	15.13	15.10	15.02	16.00
	CP-OFDM 64QAM	1	0	13.15	13.07	13.05	14.50
	CP-OFDM 256QAM	1	0	10.91	10.71	10.85	11.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				371000/1855	376500/1882.5	382000/1910	
10MHz	DFT-s-OFDM BPSK	1	1	16.75	16.84	16.63	17.90
		1	50	16.81	16.76	16.73	17.90
		25	12	17.00	16.93	16.89	17.90
	DFT-s-OFDM QPSK	1	1	16.80	17.03	16.68	17.90
		1	50	16.88	17.06	17.02	17.90
		25	12	17.03	16.97	17.16	17.90
	DFT-s-OFDM 16QAM	25	12	15.84	16.09	15.99	17.00
		1	0	14.95	14.93	15.08	16.00
		1	51	14.93	14.86	15.05	16.00
	DFT-s-OFDM 64QAM	1	0	14.59	14.60	14.61	15.50
		1	51	14.58	14.56	14.54	15.50
		50	0	14.47	14.47	14.49	15.50
	DFT-s-OFDM 256QAM	1	0	12.54	12.63	12.51	13.50
		1	51	12.47	12.50	12.44	13.50
		50	0	12.64	12.53	12.50	13.50
	CP-OFDM QPSK	26	13	15.53	15.35	15.40	16.50
	CP-OFDM 16QAM	26	13	15.08	15.03	14.96	16.00
	CP-OFDM 64QAM	1	0	13.10	13.02	13.00	14.50
	CP-OFDM 256QAM	1	0	10.84	10.63	10.77	11.50
	Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)		
371500/1857.5					376500/1882.5	381500/1907.5	
15MHz	DFT-s-OFDM BPSK	1	1	16.73	16.79	16.60	17.90
		1	77	16.80	16.76	16.71	17.90
		36	18	16.96	16.87	16.84	17.90
	DFT-s-OFDM QPSK	1	1	16.78	16.99	16.65	17.90
		1	77	16.86	17.02	16.97	17.90



		36	18	17.00	16.96	17.13	17.90
	DFT-s-OFDM 16QAM	36	18	15.86	16.06	15.96	17.00
		1	0	14.89	14.90	15.05	16.00
		1	78	14.91	14.85	15.03	16.00
	DFT-s-OFDM 64QAM	1	0	14.56	14.56	14.57	15.50
		1	78	14.56	14.55	14.52	15.50
		75	0	14.43	14.41	14.44	15.50
	DFT-s-OFDM 256QAM	1	0	12.52	12.59	12.48	13.50
		1	78	12.45	12.46	12.39	13.50
		75	0	12.58	12.50	12.47	13.50
	CP-OFDM QPSK	39	19	15.51	15.34	15.38	16.50
	CP-OFDM 16QAM	39	19	15.09	15.02	14.96	16.00
	CP-OFDM 64QAM	1	0	13.10	13.05	13.02	14.50
CP-OFDM 256QAM	1	0	10.81	10.59	10.75	11.50	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				372000/1860	376500/1882.5	381000/1905	
20MHz	DFT-s-OFDM BPSK	1	1	16.70	16.75	16.57	17.90
		1	104	16.79	16.72	16.69	17.90
		50	25	16.94	16.86	16.81	17.90
	DFT-s-OFDM QPSK	1	1	16.75	16.94	16.61	17.90
		1	104	16.84	16.98	16.94	17.90
		50	25	16.97	16.91	17.09	17.90
	DFT-s-OFDM 16QAM	50	25	15.83	16.01	15.92	17.00
		1	0	14.89	14.86	15.00	16.00
		1	105	14.87	14.83	14.99	16.00
	DFT-s-OFDM 64QAM	1	0	14.54	14.53	14.55	15.50
		1	105	14.53	14.51	14.49	15.50
		100	0	14.40	14.39	14.41	15.50
	DFT-s-OFDM 256QAM	1	0	12.49	12.54	12.44	13.50
		1	105	12.43	12.42	12.36	13.50
		100	0	12.56	12.46	12.42	13.50
	CP-OFDM QPSK	53	26	15.47	15.32	15.34	16.50
	CP-OFDM 16QAM	53	26	15.03	14.96	14.90	16.00
	CP-OFDM 64QAM	1	0	13.05	12.97	12.95	14.50
	CP-OFDM 256QAM	1	0	10.77	10.55	10.69	11.50



NR n25 Level 6-D1				Conducted Power(dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				370500/ 1852.5	376500/ 1882.5	382500/ 1912.5	
5MHz	DFT-s-OFDM BPSK	1	1	20.82	20.93	20.90	22.40
		1	23	20.83	20.85	20.88	22.40
		12	6	21.09	21.03	21.15	22.40
	DFT-s-OFDM QPSK	1	1	20.88	20.90	21.09	22.40
		1	23	20.91	21.13	21.17	22.40
		12	6	21.11	21.12	21.10	22.40
	DFT-s-OFDM 16QAM	12	6	19.84	20.16	20.18	21.00
		1	0	19.11	19.13	19.12	20.00
		1	24	19.09	19.00	19.11	20.00
	DFT-s-OFDM 64QAM	1	0	18.77	18.80	18.77	19.50
		1	24	18.77	18.67	18.75	19.50
		25	0	18.71	18.69	18.73	19.50
	DFT-s-OFDM 256QAM	1	0	16.65	16.76	16.72	17.50
		1	24	16.55	16.66	16.72	17.50
		25	0	16.83	16.70	16.81	17.50
CP-OFDM QPSK	13	6	19.61	19.39	19.58	20.50	
CP-OFDM 16QAM	13	6	19.13	19.14	19.13	20.00	
CP-OFDM 64QAM	1	0	17.22	17.12	17.20	18.50	
CP-OFDM 256QAM	1	0	15.27	15.21	15.33	15.50	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				371000/1855	376500/1882.5	382000/1910	
10MHz	DFT-s-OFDM BPSK	1	1	20.79	20.91	20.86	22.40
		1	50	20.81	20.81	20.85	22.40
		25	12	21.06	20.98	21.11	22.40
	DFT-s-OFDM QPSK	1	1	20.85	20.85	21.05	22.40
		1	50	20.89	21.09	21.12	22.40
		25	12	21.09	21.10	21.06	22.40
	DFT-s-OFDM 16QAM	25	12	19.84	20.15	20.16	21.00
		1	0	19.08	19.09	19.09	20.00
		1	51	19.06	18.98	19.08	20.00
	DFT-s-OFDM 64QAM	1	0	18.74	18.78	18.73	19.50
		1	51	18.75	18.63	18.72	19.50
		50	0	18.68	18.64	18.69	19.50
DFT-s-OFDM	1	0	16.62	16.71	16.68	17.50	



	256QAM	1	51	16.53	16.62	16.67	17.50
		50	0	16.80	16.70	16.78	17.50
	CP-OFDM QPSK	26	13	19.58	19.41	19.55	20.50
		26	13	19.14	19.12	19.09	20.00
	CP-OFDM 64QAM	1	0	17.20	17.08	17.21	18.50
	CP-OFDM 256QAM	1	0	15.24	15.16	15.29	15.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				371500/1857.5	376500/1882.5	381500/1907.5	
15MHz	DFT-s-OFDM BPSK	1	1	20.80	20.88	20.87	22.40
		1	77	20.82	20.85	20.86	22.40
		36	18	21.05	20.97	21.10	22.40
	DFT-s-OFDM QPSK	1	1	20.86	20.86	21.06	22.40
		1	77	20.89	21.09	21.12	22.40
		36	18	21.08	21.11	21.07	22.40
	DFT-s-OFDM 16QAM	36	18	19.86	20.13	20.15	21.00
		1	0	19.05	19.10	19.09	20.00
		1	78	19.07	18.99	19.09	20.00
	DFT-s-OFDM 64QAM	1	0	18.74	18.76	18.73	19.50
		1	78	18.75	18.66	18.73	19.50
		75	0	18.67	18.63	18.68	19.50
	DFT-s-OFDM 256QAM	1	0	16.63	16.72	16.69	17.50
		1	78	16.53	16.62	16.67	17.50
		75	0	16.77	16.67	16.78	17.50
	CP-OFDM QPSK	39	19	19.59	19.38	19.56	20.50
	CP-OFDM 16QAM	39	19	19.14	19.13	19.13	20.00
	CP-OFDM 64QAM	1	0	17.22	17.15	17.22	18.50
CP-OFDM 256QAM	1	0	15.24	15.17	15.31	15.50	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				372000/1860	376500/1882.5	381000/1905	
20MHz	DFT-s-OFDM BPSK	1	1	20.77	20.84	20.84	22.40
		1	104	20.81	20.81	20.84	22.40
		50	25	21.03	20.96	21.07	22.40
	DFT-s-OFDM QPSK	1	1	20.83	20.81	21.02	22.40
		1	104	20.87	21.05	21.09	22.40
		50	25	21.05	21.06	21.03	22.40



	DFT-s-OFDM 16QAM	50	25	19.83	20.08	20.11	21.00
		1	0	19.05	19.06	19.04	20.00
		1	105	19.03	18.97	19.05	20.00
	DFT-s-OFDM 64QAM	1	0	18.72	18.73	18.71	19.50
		1	105	18.72	18.62	18.70	19.50
		100	0	18.64	18.61	18.65	19.50
	DFT-s-OFDM 256QAM	1	0	16.60	16.67	16.65	17.50
		1	105	16.51	16.58	16.64	17.50
		100	0	16.75	16.63	16.73	17.50
	CP-OFDM QPSK	53	26	19.55	19.36	19.52	20.50
	CP-OFDM 16QAM	53	26	19.08	19.07	19.07	20.00
	CP-OFDM 64QAM	1	0	17.17	17.07	17.15	18.50
CP-OFDM 256QAM	1	0	15.20	15.13	15.25	15.50	

NR n25 Level 7-D1				Conducted Power(dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				370500/ 1852.5	376500/ 1882.5	382500/ 1912.5	
5MHz	DFT-s-OFDM BPSK	1	1	19.99	20.27	20.10	21.40
		1	23	19.85	19.93	19.97	21.40
		12	6	20.26	20.10	20.27	21.40
	DFT-s-OFDM QPSK	1	1	20.05	20.05	20.17	21.40
		1	23	20.05	20.25	20.28	21.40
		12	6	20.33	20.18	20.18	21.40
	DFT-s-OFDM 16QAM	12	6	18.66	19.21	19.22	20.00
		1	0	18.10	18.11	18.15	19.00
		1	24	18.08	17.96	18.18	19.00
	DFT-s-OFDM 64QAM	1	0	17.80	17.76	17.71	18.50
		1	24	17.81	17.53	17.66	18.50
		25	0	17.70	17.54	17.75	18.50
	DFT-s-OFDM 256QAM	1	0	15.44	15.57	15.62	16.50
		1	24	15.31	15.44	15.65	16.50
		25	0	15.86	15.60	15.88	16.50
	CP-OFDM QPSK	13	6	18.56	18.11	18.53	19.50
	CP-OFDM 16QAM	13	6	18.20	18.10	18.07	19.00



Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				371000/1855	376500/1882.5	382000/1910	
	CP-OFDM 64QAM	1	0	16.30	16.02	16.15	17.50
	CP-OFDM 256QAM	1	0	13.90	14.10	14.23	14.50
10MHz	DFT-s-OFDM BPSK	1	1	20.01	20.28	20.13	21.40
		1	50	19.88	19.98	20.01	21.40
		25	12	20.28	20.14	20.30	21.40
	DFT-s-OFDM QPSK	1	1	20.08	20.10	20.21	21.40
		1	50	20.08	20.30	20.32	21.40
		25	12	20.35	20.22	20.23	21.40
	DFT-s-OFDM 16QAM	25	12	18.70	19.23	19.26	20.00
		1	0	18.12	18.14	18.17	19.00
		1	51	18.11	18.00	18.21	19.00
	DFT-s-OFDM 64QAM	1	0	17.83	17.78	17.74	18.50
		1	51	17.84	17.58	17.70	18.50
		50	0	17.72	17.58	17.78	18.50
	DFT-s-OFDM 256QAM	1	0	15.47	15.62	15.66	16.50
		1	51	15.34	15.49	15.69	16.50
50		0	15.88	15.59	15.90	16.50	
CP-OFDM QPSK	26	13	18.59	18.11	18.56	19.50	
CP-OFDM 16QAM	26	13	18.19	18.12	18.10	19.00	
CP-OFDM 64QAM	1	0	16.33	16.07	16.15	17.50	
CP-OFDM 256QAM	1	0	13.92	14.14	14.26	14.50	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				371500/1857.5	376500/1882.5	381500/1907.5	
15MHz	DFT-s-OFDM BPSK	1	1	20.00	20.24	20.11	21.40
		1	77	19.86	19.97	19.98	21.40
		36	18	20.25	20.09	20.26	21.40
	DFT-s-OFDM QPSK	1	1	20.06	20.06	20.18	21.40
		1	77	20.05	20.25	20.28	21.40
		36	18	20.32	20.19	20.19	21.40
	DFT-s-OFDM 16QAM	36	18	18.68	19.19	19.21	20.00
		1	0	18.07	18.12	18.15	19.00
		1	78	18.09	17.97	18.19	19.00
	DFT-s-OFDM 64QAM	1	0	17.80	17.74	17.71	18.50
		1	78	17.81	17.56	17.67	18.50
		75	0	17.69	17.53	17.74	18.50



	DFT-s-OFDM 256QAM	1	0	15.45	15.58	15.63	16.50
		1	78	15.31	15.44	15.65	16.50
		75	0	15.83	15.57	15.88	16.50
	CP-OFDM QPSK	39	19	18.57	18.08	18.54	19.50
	CP-OFDM 16QAM	39	19	18.20	18.11	18.11	19.00
	CP-OFDM 64QAM	1	0	16.32	16.09	16.16	17.50
	CP-OFDM 256QAM	1	0	13.90	14.11	14.25	14.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				372000/1860	376500/1882.5	381000/1905	
20MHz	DFT-s-OFDM BPSK	1	1	19.97	20.20	20.08	21.40
		1	104	19.85	19.93	19.96	21.40
		50	25	20.23	20.08	20.23	21.40
	DFT-s-OFDM QPSK	1	1	20.03	20.01	20.14	21.40
		1	104	20.03	20.21	20.25	21.40
		50	25	20.29	20.14	20.15	21.40
	DFT-s-OFDM 16QAM	50	25	18.65	19.14	19.17	20.00
		1	0	18.07	18.08	18.10	19.00
		1	105	18.05	17.95	18.15	19.00
	DFT-s-OFDM 64QAM	1	0	17.78	17.71	17.69	18.50
		1	105	17.78	17.52	17.64	18.50
		100	0	17.66	17.51	17.71	18.50
	DFT-s-OFDM 256QAM	1	0	15.42	15.53	15.59	16.50
		1	105	15.29	15.40	15.62	16.50
		100	0	15.81	15.53	15.83	16.50
	CP-OFDM QPSK	53	26	18.53	18.06	18.50	19.50
	CP-OFDM 16QAM	53	26	18.14	18.05	18.05	19.00
	CP-OFDM 64QAM	1	0	16.27	16.01	16.09	17.50
	CP-OFDM 256QAM	1	0	13.86	14.07	14.19	14.50



Ant 7

NR n25 Full Power&Level 2&Level 6-D2				Conducted Power(dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				370500/ 1852.5	376500/ 1882.5	382500/ 1912.5	
5MHz	DFT-s-OFDM BPSK	1	1	22.95	23.02	22.97	24.80
		1	23	22.89	22.94	22.92	24.80
		12	6	22.98	23.00	22.96	24.80
	DFT-s-OFDM QPSK	1	1	22.87	22.90	22.84	24.80
		1	23	22.92	22.97	22.97	24.80
		12	6	23.02	23.00	22.98	24.80
	DFT-s-OFDM 16QAM	12	6	21.85	21.99	22.01	23.00
		1	0	20.79	20.79	20.85	22.00
		1	24	20.77	20.72	20.80	22.00
	DFT-s-OFDM 64QAM	1	0	20.49	20.57	20.62	21.50
		1	24	20.45	20.56	20.54	21.50
		25	0	20.55	20.46	20.67	21.50
	DFT-s-OFDM 256QAM	1	0	18.36	18.51	18.55	19.50
		1	24	18.55	18.52	18.62	19.50
		25	0	18.57	18.49	18.60	19.50
CP-OFDM QPSK	13	6	21.40	21.48	21.59	22.50	
CP-OFDM 16QAM	13	6	21.19	21.09	21.18	22.00	
CP-OFDM 64QAM	1	0	19.52	19.53	19.67	20.50	
CP-OFDM 256QAM	1	0	16.38	16.51	16.56	17.50	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				371000/1855	376500/1882.5	382000/1910	
10MHz	DFT-s-OFDM BPSK	1	1	22.97	23.03	23.00	24.80
		1	50	22.92	22.99	22.96	24.80
		25	12	23.00	23.04	22.99	24.80
	DFT-s-OFDM QPSK	1	1	22.90	22.95	22.88	24.80
		1	50	22.95	23.02	23.01	24.80
		25	12	23.04	23.04	23.03	24.80
	DFT-s-OFDM 16QAM	25	12	21.89	22.01	22.05	23.00
		1	0	20.81	20.82	20.87	22.00
		1	51	20.80	20.76	20.83	22.00
	DFT-s-OFDM 64QAM	1	0	20.52	20.59	20.65	21.50
		1	51	20.48	20.61	20.58	21.50
		50	0	20.57	20.50	20.70	21.50



Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				371500/1857.5	376500/1882.5	381500/1907.5	
	DFT-s-OFDM 256QAM	1	0	18.39	18.56	18.59	19.50
		1	51	18.58	18.57	18.66	19.50
		50	0	18.59	18.48	18.62	19.50
	CP-OFDM QPSK	26	13	21.43	21.48	21.62	22.50
	CP-OFDM 16QAM	26	13	21.18	21.11	21.21	22.00
	CP-OFDM 64QAM	1	0	19.55	19.58	19.67	20.50
	CP-OFDM 256QAM	1	0	16.40	16.55	16.59	17.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				371500/1857.5	376500/1882.5	381500/1907.5	
15MHz	DFT-s-OFDM BPSK	1	1	22.96	22.99	22.98	24.80
		1	77	22.90	22.98	22.93	24.80
		36	18	22.97	22.99	22.95	24.80
	DFT-s-OFDM QPSK	1	1	22.88	22.91	22.85	24.80
		1	77	22.92	22.97	22.97	24.80
		36	18	23.01	23.01	22.99	24.80
	DFT-s-OFDM 16QAM	36	18	21.87	21.97	22.00	23.00
		1	0	20.76	20.80	20.85	22.00
		1	78	20.78	20.73	20.81	22.00
	DFT-s-OFDM 64QAM	1	0	20.49	20.55	20.62	21.50
		1	78	20.45	20.59	20.55	21.50
		75	0	20.54	20.45	20.66	21.50
	DFT-s-OFDM 256QAM	1	0	18.37	18.52	18.56	19.50
		1	78	18.55	18.52	18.62	19.50
		75	0	18.54	18.46	18.60	19.50
	CP-OFDM QPSK	39	19	21.41	21.45	21.60	22.50
	CP-OFDM 16QAM	39	19	21.19	21.10	21.22	22.00
	CP-OFDM 64QAM	1	0	19.54	19.60	19.68	20.50
CP-OFDM 256QAM	1	0	16.38	16.52	16.58	17.50	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				372000/1860	376500/1882.5	381000/1905	
20MHz	DFT-s-OFDM BPSK	1	1	22.93	22.95	22.95	24.80
		1	104	22.89	22.94	22.91	24.80
		50	25	22.95	22.98	22.92	24.80
	DFT-s-OFDM QPSK	1	1	22.85	22.86	22.81	24.80
			1	104	22.90	22.93	22.94



		50	25	22.98	22.96	22.95	24.80
	DFT-s-OFDM 16QAM	50	25	21.84	21.92	21.96	23.00
		1	0	20.71	20.76	20.80	22.00
		1	105	20.74	20.71	20.77	22.00
	DFT-s-OFDM 64QAM	1	0	20.47	20.52	20.60	21.50
		1	105	20.42	20.55	20.52	21.50
		100	0	20.51	20.43	20.63	21.50
	DFT-s-OFDM 256QAM	1	0	18.34	18.47	18.52	19.50
		1	105	18.53	18.48	18.59	19.50
		100	0	18.52	18.42	18.55	19.50
	CP-OFDM QPSK	53	26	21.37	21.43	21.56	22.50
	CP-OFDM 16QAM	53	26	21.13	21.04	21.16	22.00
	CP-OFDM 64QAM	1	0	19.49	19.52	19.61	20.50
	CP-OFDM 256QAM	1	0	16.34	16.48	16.52	17.50

NR n25 Level 1&Level 5&Level 7-D1				Conducted Power(dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				370500/ 1852.5	376500/ 1882.5	382500/ 1912.5	
5MHz	DFT-s-OFDM BPSK	1	1	19.53	19.76	19.59	20.30
		1	23	19.32	19.45	19.46	20.30
		12	6	19.57	19.63	19.66	20.30
	DFT-s-OFDM QPSK	1	1	19.42	19.58	19.47	20.30
		1	23	19.43	19.61	19.54	20.30
		12	6	19.63	19.56	19.61	20.30
	DFT-s-OFDM 16QAM	12	6	18.24	18.63	18.64	19.50
		1	0	17.38	17.42	17.52	18.50
		1	24	17.36	17.16	17.39	18.50
	DFT-s-OFDM 64QAM	1	0	17.04	17.17	17.21	18.00
		1	24	17.00	17.08	17.09	18.00
		25	0	17.18	17.07	17.31	18.00
	DFT-s-OFDM 256QAM	1	0	14.91	15.16	15.15	16.00
		1	24	15.06	15.13	15.26	16.00
		25	0	15.24	15.06	15.24	16.00
	CP-OFDM QPSK	13	6	17.99	17.89	18.15	19.00
	CP-OFDM	13	6	17.74	17.66	17.74	18.50



Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				371000/1855	376500/1882.5	382000/1910	
	16QAM						
	CP-OFDM 64QAM	1	0	16.07	16.08	16.25	17.00
	CP-OFDM 256QAM	1	0	13.01	13.18	13.26	14.00
10MHz	DFT-s-OFDM BPSK	1	1	19.54	19.73	19.60	20.30
		1	50	19.33	19.49	19.47	20.30
		25	12	19.56	19.62	19.65	20.30
	DFT-s-OFDM QPSK	1	1	19.43	19.59	19.48	20.30
		1	50	19.43	19.61	19.54	20.30
		25	12	19.62	19.57	19.62	20.30
	DFT-s-OFDM 16QAM	25	12	18.26	18.61	18.63	19.50
		1	0	17.35	17.43	17.52	18.50
		1	51	17.37	17.17	17.40	18.50
	DFT-s-OFDM 64QAM	1	0	17.04	17.15	17.21	18.00
		1	51	17.00	17.11	17.10	18.00
		50	0	17.17	17.06	17.30	18.00
	DFT-s-OFDM 256QAM	1	0	14.92	15.17	15.16	16.00
		1	51	15.06	15.13	15.26	16.00
		50	0	15.21	15.03	15.24	16.00
	CP-OFDM QPSK	26	13	18.00	17.86	18.16	19.00
	CP-OFDM 16QAM	26	13	17.74	17.67	17.78	18.50
	CP-OFDM 64QAM	1	0	16.09	16.15	16.26	17.00
	CP-OFDM 256QAM	1	0	13.01	13.19	13.28	14.00
	Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)		
371500/1857.5					376500/1882.5	381500/1907.5	
15MHz	DFT-s-OFDM BPSK	1	1	19.55	19.77	19.62	20.30
		1	77	19.35	19.50	19.50	20.30
		36	18	19.59	19.67	19.69	20.30
	DFT-s-OFDM QPSK	1	1	19.45	19.63	19.51	20.30
		1	77	19.46	19.66	19.58	20.30
		36	18	19.65	19.60	19.66	20.30
	DFT-s-OFDM 16QAM	36	18	18.28	18.65	18.68	19.50
		1	0	17.40	17.45	17.54	18.50
		1	78	17.39	17.20	17.42	18.50
	DFT-s-OFDM 64QAM	1	0	17.07	17.19	17.24	18.00
		1	78	17.03	17.13	17.13	18.00



		75	0	17.20	17.11	17.34	18.00
	DFT-s-OFDM 256QAM	1	0	14.94	15.21	15.19	16.00
		1	78	15.09	15.18	15.30	16.00
		75	0	15.26	15.05	15.26	16.00
		CP-OFDM QPSK	39	19	18.02	17.89	18.18
	CP-OFDM 16QAM	39	19	17.73	17.68	17.77	18.50
	CP-OFDM 64QAM	1	0	16.10	16.13	16.25	17.00
	CP-OFDM 256QAM	1	0	13.03	13.22	13.29	14.00
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				372000/1860	376500/1882.5	381000/1905	
20MHz	DFT-s-OFDM BPSK	1	1	19.51	19.69	19.57	20.30
		1	104	19.32	19.45	19.45	20.30
		50	25	19.54	19.61	19.62	20.30
	DFT-s-OFDM QPSK	1	1	19.40	19.54	19.44	20.30
		1	104	19.41	19.57	19.51	20.30
		50	25	19.59	19.52	19.58	20.30
	DFT-s-OFDM 16QAM	50	25	18.23	18.56	18.59	19.50
		1	0	17.38	17.39	17.47	18.50
		1	105	17.33	17.15	17.36	18.50
	DFT-s-OFDM 64QAM	1	0	17.02	17.12	17.19	18.00
		1	105	16.97	17.07	17.07	18.00
		100	0	17.14	17.04	17.27	18.00
	DFT-s-OFDM 256QAM	1	0	14.89	15.12	15.12	16.00
		1	105	15.04	15.09	15.23	16.00
		100	0	15.19	14.99	15.19	16.00
	CP-OFDM QPSK	53	26	17.96	17.84	18.12	19.00
	CP-OFDM 16QAM	53	26	17.68	17.61	17.72	18.50
	CP-OFDM 64QAM	1	0	16.04	16.07	16.19	17.00
	CP-OFDM 256QAM	1	0	12.97	13.15	13.22	14.00

NR n25 Level 4				Conducted Power(dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				370500/ 1852.5	376500/ 1882.5	382500/ 1912.5	



5MHz	DFT-s-OFDM BPSK	1	1	17.03	17.38	17.12	17.50
		1	23	16.73	16.92	16.93	17.50
		12	6	17.10	17.19	17.34	17.50
	DFT-s-OFDM QPSK	1	1	16.92	17.05	17.06	17.50
		1	23	16.90	17.11	17.07	17.50
		12	6	17.16	17.00	17.11	17.50
	DFT-s-OFDM 16QAM	12	6	16.12	16.63	16.64	17.00
		1	0	15.41	15.39	15.55	16.00
		1	24	15.39	14.95	15.30	16.00
	DFT-s-OFDM 64QAM	1	0	15.04	15.08	15.12	16.00
		1	24	15.09	15.02	14.97	16.00
		25	0	15.33	15.10	15.28	16.00
	DFT-s-OFDM 256QAM	1	0	13.00	13.22	13.09	14.00
		1	24	13.12	13.16	13.23	14.00
25		0	13.33	13.06	13.21	14.00	
CP-OFDM QPSK	13	6	16.02	15.77	16.06	17.00	
CP-OFDM 16QAM	13	6	15.74	15.72	15.71	16.50	
CP-OFDM 64QAM	1	0	14.07	14.17	14.28	15.00	
CP-OFDM 256QAM	1	0	11.07	11.36	11.38	12.00	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				371000/1855	376500/1882.5	382000/1910	
10MHz	DFT-s-OFDM BPSK	1	1	17.05	17.39	17.15	17.50
		1	50	16.76	16.97	16.97	17.50
		25	12	17.12	17.23	17.37	17.50
	DFT-s-OFDM QPSK	1	1	16.95	17.10	17.10	17.50
		1	50	16.93	17.16	17.11	17.50
		25	12	17.18	17.04	17.16	17.50
	DFT-s-OFDM 16QAM	25	12	16.16	16.65	16.68	17.00
		1	0	15.43	15.42	15.57	16.00
		1	51	15.42	14.99	15.33	16.00
	DFT-s-OFDM 64QAM	1	0	15.07	15.10	15.15	16.00
		1	51	15.12	15.07	15.01	16.00
		50	0	15.35	15.14	15.31	16.00
	DFT-s-OFDM 256QAM	1	0	13.03	13.27	13.13	14.00
		1	51	13.15	13.21	13.27	14.00
50		0	13.35	13.05	13.23	14.00	
CP-OFDM QPSK	26	13	16.05	15.77	16.09	17.00	
CP-OFDM	26	13	15.73	15.74	15.74	16.50	



Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				371500/1857.5	376500/1882.5	381500/1907.5	
	16QAM						
	CP-OFDM 64QAM	1	0	14.10	14.22	14.28	15.00
	CP-OFDM 256QAM	1	0	11.09	11.40	11.41	12.00
15MHz	DFT-s-OFDM BPSK	1	1	17.04	17.35	17.13	17.50
		1	77	16.74	16.96	16.94	17.50
		36	18	17.09	17.18	17.33	17.50
	DFT-s-OFDM QPSK	1	1	16.93	17.06	17.07	17.50
		1	77	16.90	17.11	17.07	17.50
		36	18	17.15	17.01	17.12	17.50
	DFT-s-OFDM 16QAM	36	18	16.14	16.61	16.63	17.00
		1	0	15.38	15.40	15.55	16.00
		1	78	15.40	14.96	15.31	16.00
	DFT-s-OFDM 64QAM	1	0	15.04	15.06	15.12	16.00
		1	78	15.09	15.05	14.98	16.00
		75	0	15.32	15.09	15.27	16.00
	DFT-s-OFDM 256QAM	1	0	13.01	13.23	13.10	14.00
		1	78	13.12	13.16	13.23	14.00
		75	0	13.30	13.03	13.21	14.00
	CP-OFDM QPSK	39	19	16.03	15.74	16.07	17.00
	CP-OFDM 16QAM	39	19	15.74	15.73	15.75	16.50
	CP-OFDM 64QAM	1	0	14.09	14.24	14.29	15.00
CP-OFDM 256QAM	1	0	11.07	11.37	11.40	12.00	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				372000/1860	376500/1882.5	381000/1905	
20MHz	DFT-s-OFDM BPSK	1	1	17.01	17.31	17.10	17.50
		1	104	16.73	16.92	16.92	17.50
		50	25	17.07	17.17	17.30	17.50
	DFT-s-OFDM QPSK	1	1	16.90	17.01	17.03	17.50
		1	104	16.88	17.07	17.04	17.50
		50	25	17.12	16.96	17.08	17.50
	DFT-s-OFDM 16QAM	50	25	16.11	16.56	16.59	17.00
		1	0	15.38	15.36	15.50	16.00
		1	105	15.36	14.94	15.27	16.00
	DFT-s-OFDM 64QAM	1	0	15.02	15.03	15.10	16.00
		1	105	15.06	15.01	14.95	16.00



		100	0	15.29	15.07	15.24	16.00
	DFT-s-OFDM 256QAM	1	0	12.98	13.18	13.06	14.00
		1	105	13.10	13.12	13.20	14.00
		100	0	13.28	12.99	13.16	14.00
	CP-OFDM QPSK	53	26	15.99	15.72	16.03	17.00
	CP-OFDM 16QAM	53	26	15.68	15.67	15.69	16.50
	CP-OFDM 64QAM	1	0	14.04	14.16	14.22	15.00
CP-OFDM 256QAM	1	0	11.03	11.33	11.34	12.00	

NR n25 Level 3&Level 6-D1				Conducted Power(dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				370500/ 1852.5	376500/ 1882.5	382500/ 1912.5	
5MHz	DFT-s-OFDM BPSK	1	1	20.90	21.00	20.94	22.00
		1	23	20.82	20.91	20.88	22.00
		12	6	20.94	20.99	20.95	22.00
	DFT-s-OFDM QPSK	1	1	20.83	20.92	20.83	22.00
		1	23	20.87	20.94	20.97	22.00
		12	6	20.98	20.98	21.00	22.00
	DFT-s-OFDM 16QAM	12	6	19.78	19.97	20.00	21.00
		1	0	18.76	18.77	18.83	20.00
		1	24	18.74	18.67	18.77	20.00
	DFT-s-OFDM 64QAM	1	0	18.45	18.54	18.59	19.50
		1	24	18.41	18.54	18.51	19.50
		25	0	18.52	18.46	18.66	19.50
	DFT-s-OFDM 256QAM	1	0	16.32	16.53	16.54	17.50
		1	24	16.50	16.53	16.62	17.50
		25	0	16.55	16.43	16.58	17.50
	CP-OFDM QPSK	13	6	19.37	19.39	19.56	20.50
	CP-OFDM 16QAM	13	6	19.11	19.06	19.15	20.00
	CP-OFDM 64QAM	1	0	17.48	17.51	17.60	18.50
CP-OFDM 256QAM	1	0	14.35	14.51	14.55	15.50	
Bandwidth	Modulation	RB	offset	Channel/Frequency(MHz)			Tune-up



		allocation		371000/1855	376500/1882.5	382000/1910	
10MHz	DFT-s-OFDM BPSK	1	1	20.87	20.98	20.90	22.00
		1	50	20.80	20.87	20.85	22.00
		25	12	20.91	20.94	20.91	22.00
	DFT-s-OFDM QPSK	1	1	20.80	20.87	20.79	22.00
		1	50	20.85	20.90	20.92	22.00
		25	12	20.96	20.96	20.96	22.00
	DFT-s-OFDM 16QAM	25	12	19.78	19.96	19.98	21.00
		1	0	18.73	18.73	18.80	20.00
		1	51	18.71	18.65	18.74	20.00
	DFT-s-OFDM 64QAM	1	0	18.42	18.52	18.55	19.50
		1	51	18.39	18.50	18.48	19.50
		50	0	18.49	18.41	18.62	19.50
	DFT-s-OFDM 256QAM	1	0	16.29	16.48	16.50	17.50
		1	51	16.48	16.49	16.57	17.50
		50	0	16.52	16.43	16.55	17.50
	CP-OFDM QPSK	26	13	19.34	19.41	19.53	20.50
CP-OFDM 16QAM	26	13	19.12	19.04	19.11	20.00	
CP-OFDM 64QAM	1	0	17.46	17.47	17.61	18.50	
CP-OFDM 256QAM	1	0	14.32	14.46	14.51	15.50	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				371500/1857.5	376500/1882.5	381500/1907.5	
15MHz	DFT-s-OFDM BPSK	1	1	20.88	20.95	20.91	22.00
		1	77	20.81	20.91	20.86	22.00
		36	18	20.90	20.93	20.90	22.00
	DFT-s-OFDM QPSK	1	1	20.81	20.88	20.80	22.00
		1	77	20.85	20.90	20.92	22.00
		36	18	20.95	20.97	20.97	22.00
	DFT-s-OFDM 16QAM	36	18	19.80	19.94	19.97	21.00
		1	0	18.70	18.74	18.80	20.00
		1	78	18.72	18.66	18.75	20.00
	DFT-s-OFDM 64QAM	1	0	18.42	18.50	18.55	19.50
		1	78	18.39	18.53	18.49	19.50
		75	0	18.48	18.40	18.61	19.50
	DFT-s-OFDM 256QAM	1	0	16.30	16.49	16.51	17.50
		1	78	16.48	16.49	16.57	17.50
		75	0	16.49	16.40	16.55	17.50
	CP-OFDM QPSK	39	19	19.35	19.38	19.54	20.50



Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				372000/1860	376500/1882.5	381000/1905	
	CP-OFDM 16QAM	39	19	19.12	19.05	19.15	20.00
	CP-OFDM 64QAM	1	0	17.48	17.54	17.62	18.50
	CP-OFDM 256QAM	1	0	14.32	14.47	14.53	15.50
20MHz	DFT-s-OFDM BPSK	1	1	20.85	20.91	20.88	22.00
		1	104	20.80	20.87	20.84	22.00
		50	25	20.88	20.92	20.87	22.00
	DFT-s-OFDM QPSK	1	1	20.78	20.83	20.76	22.00
		1	104	20.83	20.86	20.89	22.00
		50	25	20.92	20.92	20.93	22.00
	DFT-s-OFDM 16QAM	50	25	19.77	19.89	19.93	21.00
		1	0	18.69	18.70	18.75	20.00
		1	105	18.68	18.64	18.71	20.00
	DFT-s-OFDM 64QAM	1	0	18.40	18.47	18.53	19.50
		1	105	18.36	18.49	18.46	19.50
		100	0	18.45	18.38	18.58	19.50
	DFT-s-OFDM 256QAM	1	0	16.27	16.44	16.47	17.50
		1	105	16.46	16.45	16.54	17.50
		100	0	16.47	16.36	16.50	17.50
CP-OFDM QPSK	53	26	19.31	19.36	19.50	20.50	
CP-OFDM 16QAM	53	26	19.06	18.99	19.09	20.00	
CP-OFDM 64QAM	1	0	17.43	17.46	17.55	18.50	
CP-OFDM 256QAM	1	0	14.28	14.43	14.47	15.50	

Ant 3

NR n41 Full Power&Level 1&Level 4				Conducted Power(dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				501204/2506.2	518598/2592.99	535998/2679.99	
20MHz	DFT-s-OFDM BPSK	1	1	25.82	26.03	25.86	27.50
		1	49	25.80	25.84	25.91	27.50
		25	12	25.90	25.87	25.94	27.50
	DFT-s-OFDM QPSK	1	1	25.97	26.00	25.88	27.50
		1	49	25.82	25.88	25.93	27.50
		25	12	25.93	25.87	25.83	27.50



	DFT-s-OFDM 16QAM	1	1	25.80	25.96	25.91	26.00
		1	49	24.50	25.63	25.62	26.00
		25	12	24.48	24.45	24.47	25.00
	DFT-s-OFDM 64QAM	1	1	24.25	24.33	24.27	24.50
		1	49	23.88	23.89	23.87	24.50
		25	12	23.73	23.74	23.73	24.50
	DFT-s-OFDM 256QAM	1	1	22.31	22.41	22.36	22.50
		1	49	22.38	22.25	22.40	22.50
		25	12	22.43	22.46	22.44	22.50
CP-OFDM QPSK	1	1	25.27	25.29	25.27	25.50	
CP-OFDM 16QAM	1	1	24.43	24.46	24.40	25.00	
CP-OFDM 64QAM	1	1	23.15	23.14	23.17	23.50	
CP-OFDM 256QAM	1	1	20.40	20.43	20.42	20.50	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				502200/2511	518598/2592.99	534996/2674.98	
30MHz	DFT-s-OFDM BPSK	1	1	25.84	26.04	25.89	27.50
		1	76	25.83	25.89	25.95	27.50
		36	18	25.92	25.91	25.97	27.50
	DFT-s-OFDM QPSK	1	1	26.00	26.05	25.92	27.50
		1	76	25.85	25.93	25.97	27.50
		36	18	25.95	25.91	25.88	27.50
	DFT-s-OFDM 16QAM	1	1	25.84	25.98	25.95	26.00
		1	76	24.52	25.66	25.64	26.00
		36	18	24.51	24.49	24.50	25.00
	DFT-s-OFDM 64QAM	1	1	24.28	24.35	24.30	24.50
		1	76	23.91	23.94	23.91	24.50
		36	18	23.75	23.78	23.76	24.50
	DFT-s-OFDM 256QAM	1	1	22.34	22.46	22.40	22.50
		1	76	22.41	22.30	22.44	22.50
		36	18	22.45	22.45	22.46	22.50
	CP-OFDM QPSK	1	1	25.30	25.29	25.30	25.50
	CP-OFDM 16QAM	1	1	24.42	24.48	24.43	25.00
	CP-OFDM 64QAM	1	1	23.18	23.19	23.17	23.50
CP-OFDM 256QAM	1	1	20.42	20.47	20.45	20.50	
Bandwidth	Modulation	RB	offset	Channel/Frequency(MHz)			Tune-up



		allocation		503202/2516.01	518598/2592.99	534000/2670	
40MHz	DFT-s-OFDM BPSK	1	1	25.83	26.00	25.87	27.50
		1	104	25.81	25.88	25.92	27.50
		50	25	25.89	25.86	25.93	27.50
	DFT-s-OFDM QPSK	1	1	25.98	26.01	25.89	27.50
		1	104	25.82	25.88	25.93	27.50
		50	25	25.92	25.88	25.84	27.50
	DFT-s-OFDM 16QAM	1	1	25.82	25.94	25.90	26.00
		1	104	24.47	25.64	25.62	26.00
		50	25	24.49	24.46	24.48	25.00
	DFT-s-OFDM 64QAM	1	1	24.25	24.31	24.27	24.50
		1	104	23.88	23.92	23.88	24.50
		50	25	23.72	23.73	23.72	24.50
	DFT-s-OFDM 256QAM	1	1	22.32	22.42	22.37	22.50
		1	104	22.38	22.25	22.40	22.50
		50	25	22.40	22.43	22.44	22.50
CP-OFDM QPSK	1	1	25.28	25.26	25.28	25.50	
CP-OFDM 16QAM	1	1	24.43	24.47	24.44	25.00	
CP-OFDM 64QAM	1	1	23.17	23.21	23.18	23.50	
CP-OFDM 256QAM	1	1	20.40	20.44	20.44	20.50	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				504204/2521.02	518598/2592.99	5329982665	
50MHz	DFT-s-OFDM BPSK	1	1	25.80	25.96	25.84	27.50
		1	131	25.80	25.84	25.90	27.50
		64	32	25.87	25.85	25.90	27.50
	DFT-s-OFDM QPSK	1	1	25.95	25.96	25.85	27.50
		1	131	25.80	25.84	25.90	27.50
		64	32	25.89	25.83	25.80	27.50
	DFT-s-OFDM 16QAM	1	1	25.79	25.89	25.86	26.00
		1	131	24.47	25.60	25.57	26.00
		64	32	24.45	24.44	24.44	25.00
	DFT-s-OFDM 64QAM	1	1	24.23	24.28	24.25	24.50
		1	131	23.85	23.88	23.85	24.50
		64	32	23.69	23.71	23.69	24.50
	DFT-s-OFDM 256QAM	1	1	22.29	22.37	22.33	22.50
		1	131	22.36	22.21	22.37	22.50
		64	32	22.38	22.39	22.39	22.50
CP-OFDM QPSK	1	1	25.24	25.24	25.24	25.50	



Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				505200/2526	518598/2595.99	531996/2659.98	
	CP-OFDM 16QAM	1	1	24.37	24.41	24.38	25.00
	CP-OFDM 64QAM	1	1	23.12	23.13	23.11	23.50
	CP-OFDM 256QAM	1	1	20.36	20.40	20.38	20.50
60MHz	DFT-s-OFDM BPSK	1	1	25.77	25.94	25.80	27.50
		1	160	25.78	25.80	25.87	27.50
		81	40	25.84	25.80	25.86	27.50
	DFT-s-OFDM QPSK	1	1	25.92	25.91	25.81	27.50
		1	160	25.78	25.80	25.85	27.50
		81	40	25.87	25.81	25.76	27.50
	DFT-s-OFDM 16QAM	1	1	25.79	25.88	25.84	26.00
		1	160	24.44	25.56	25.54	26.00
		81	40	24.42	24.42	24.41	25.00
	DFT-s-OFDM 64QAM	1	1	24.20	24.26	24.21	24.50
		1	160	23.83	23.84	23.82	24.50
		81	40	23.66	23.66	23.65	24.50
	DFT-s-OFDM 256QAM	1	1	22.26	22.32	22.29	22.50
		1	160	22.34	22.17	22.32	22.50
		81	40	22.35	22.39	22.36	22.50
CP-OFDM QPSK	1	1	25.21	25.26	25.21	25.50	
CP-OFDM 16QAM	1	1	24.38	24.39	24.34	25.00	
CP-OFDM 64QAM	1	1	23.10	23.09	23.12	23.50	
CP-OFDM 256QAM	1	1	20.33	20.35	20.34	20.50	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				507204/2536.02	518598/2595.99	529998/2649.99	
80MHz	DFT-s-OFDM BPSK	1	1	25.79	25.95	25.83	27.50
		1	215	25.81	25.85	25.91	27.50
		108	54	25.86	25.84	25.89	27.50
	DFT-s-OFDM QPSK	1	1	25.95	25.96	25.85	27.50
		1	215	25.81	25.85	25.89	27.50
		108	54	25.89	25.85	25.81	27.50
	DFT-s-OFDM 16QAM	1	1	25.83	25.90	25.88	26.00
		1	215	24.46	25.59	25.56	26.00
		108	54	24.45	24.46	24.44	25.00
	DFT-s-OFDM	1	1	24.23	24.28	24.24	24.50



Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				508200/2541	518598/2595.99	528996/2644.98	
	64QAM	1	215	23.86	23.89	23.86	24.50
		108	54	23.68	23.70	23.68	24.50
	DFT-s-OFDM 256QAM	1	1	22.29	22.37	22.33	22.50
		1	215	22.37	22.22	22.36	22.50
		108	54	22.37	22.38	22.38	22.50
	CP-OFDM QPSK	1	1	25.24	25.26	25.24	25.50
	CP-OFDM 16QAM	1	1	24.37	24.41	24.37	25.00
	CP-OFDM 64QAM	1	1	23.13	23.14	23.12	23.50
CP-OFDM 256QAM	1	1	20.35	20.39	20.37	20.50	
90MHz	DFT-s-OFDM BPSK	1	1	25.78	25.91	25.81	27.50
		1	243	25.79	25.84	25.88	27.50
		120	60	25.83	25.79	25.85	27.50
	DFT-s-OFDM QPSK	1	1	25.93	25.92	25.82	27.50
		1	243	25.78	25.80	25.85	27.50
		120	60	25.86	25.82	25.77	27.50
	DFT-s-OFDM 16QAM	1	1	25.81	25.86	25.83	26.00
		1	243	24.41	25.57	25.54	26.00
		120	60	24.43	24.43	24.42	25.00
	DFT-s-OFDM 64QAM	1	1	24.20	24.24	24.21	24.50
		1	243	23.83	23.87	23.83	24.50
		120	60	23.65	23.65	23.64	24.50
	DFT-s-OFDM 256QAM	1	1	22.27	22.33	22.30	22.50
		1	243	22.34	22.17	22.32	22.50
		120	60	22.32	22.36	22.36	22.50
	CP-OFDM QPSK	1	1	25.22	25.23	25.22	25.50
	CP-OFDM 16QAM	1	1	24.38	24.40	24.38	25.00
	CP-OFDM 64QAM	1	1	23.12	23.16	23.13	23.50
	CP-OFDM 256QAM	1	1	20.33	20.36	20.36	20.50
	Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)		
509202/2546.01					518598/2592.99	528000/2640	
100MHz	DFT-s-OFDM BPSK	1	1	25.75	25.87	25.78	27.50
		1	271	25.78	25.80	25.86	27.50
		135	67	25.81	25.78	25.82	27.50



	DFT-s-OFDM QPSK	1	1	25.90	25.87	25.78	27.50
		1	271	25.76	25.76	25.82	27.50
		135	67	25.83	25.77	25.73	27.50
	DFT-s-OFDM 16QAM	1	1	25.78	25.81	25.79	26.00
		1	271	25.48	25.53	25.49	26.00
		135	67	24.39	24.41	24.38	25.00
	DFT-s-OFDM 64QAM	1	1	24.18	24.21	24.19	24.50
		1	271	23.80	23.83	23.80	24.50
		135	67	23.62	23.63	23.61	24.50
	DFT-s-OFDM 256QAM	1	1	22.24	22.28	22.26	22.50
		1	271	22.32	22.13	22.29	22.50
		135	67	22.30	22.32	22.31	22.50
CP-OFDM QPSK	1	1	25.18	25.21	25.18	25.50	
CP-OFDM 16QAM	1	1	24.32	24.34	24.32	25.00	
CP-OFDM 64QAM	1	1	23.07	23.08	23.06	23.50	
CP-OFDM 256QAM	1	1	20.29	20.32	20.30	20.50	

NR n41 Level 2&Level 6-D2				Conducted Power(dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				501204/2506.2	518598/2592.99	535998/2679.99	
20MHz	DFT-s-OFDM BPSK	1	1	25.82	26.03	25.86	26.50
		1	49	25.80	25.84	25.91	26.50
		25	12	25.90	25.87	25.94	26.50
	DFT-s-OFDM QPSK	1	1	25.97	26.00	25.88	26.50
		1	49	25.82	25.88	25.93	26.50
		25	12	25.93	25.87	25.83	26.50
	DFT-s-OFDM 16QAM	1	1	25.80	25.96	25.91	26.00
		1	49	24.50	25.63	25.62	26.00
		25	12	24.48	24.45	24.47	25.00
	DFT-s-OFDM 64QAM	1	1	24.25	24.33	24.27	24.50
		1	49	23.88	23.89	23.87	24.50
		25	12	23.73	23.74	23.73	24.50
	DFT-s-OFDM 256QAM	1	1	22.31	22.41	22.36	22.50
		1	49	22.38	22.25	22.40	22.50
		25	12	22.43	22.46	22.44	22.50
	CP-OFDM QPSK	1	1	25.27	25.29	25.27	25.50
	CP-OFDM	1	1	24.43	24.46	24.40	25.00



Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up	
				502200/2511	518598/2592.99	534996/2674.98		
	16QAM							
	CP-OFDM 64QAM	1	1	23.15	23.14	23.17	23.50	
	CP-OFDM 256QAM	1	1	20.40	20.43	20.42	20.50	
30MHz	DFT-s-OFDM BPSK	1	1	25.84	26.04	25.89	26.50	
		1	76	25.83	25.89	25.95	26.50	
		36	18	25.92	25.91	25.97	26.50	
	DFT-s-OFDM QPSK	1	1	26.00	26.05	25.92	26.50	
		1	76	25.85	25.93	25.97	26.50	
		36	18	25.95	25.91	25.88	26.50	
	DFT-s-OFDM 16QAM	1	1	25.84	25.98	25.95	26.00	
		1	76	24.52	25.66	25.64	26.00	
		36	18	24.51	24.49	24.50	25.00	
	DFT-s-OFDM 64QAM	1	1	24.28	24.35	24.30	24.50	
		1	76	23.91	23.94	23.91	24.50	
		36	18	23.75	23.78	23.76	24.50	
	DFT-s-OFDM 256QAM	1	1	22.34	22.46	22.40	22.50	
		1	76	22.41	22.30	22.44	22.50	
		36	18	22.45	22.45	22.46	22.50	
	CP-OFDM QPSK	1	1	25.30	25.29	25.30	25.50	
	CP-OFDM 16QAM	1	1	24.42	24.48	24.43	25.00	
	CP-OFDM 64QAM	1	1	23.18	23.19	23.17	23.50	
	CP-OFDM 256QAM	1	1	20.42	20.47	20.45	20.50	
	Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
					503202/2516.01	518598/2592.99	534000/2670	
40MHz	DFT-s-OFDM BPSK	1	1	25.83	26.00	25.87	26.50	
		1	104	25.81	25.88	25.92	26.50	
		50	25	25.89	25.86	25.93	26.50	
	DFT-s-OFDM QPSK	1	1	25.98	26.01	25.89	26.50	
		1	104	25.82	25.88	25.93	26.50	
		50	25	25.92	25.88	25.84	26.50	
	DFT-s-OFDM 16QAM	1	1	25.82	25.94	25.90	26.00	
		1	104	24.47	25.64	25.62	26.00	
		50	25	24.49	24.46	24.48	25.00	
	DFT-s-OFDM 64QAM	1	1	24.25	24.31	24.27	24.50	
		1	104	23.88	23.92	23.88	24.50	



		50	25	23.72	23.73	23.72	24.50
	DFT-s-OFDM 256QAM	1	1	22.32	22.42	22.37	22.50
		1	104	22.38	22.25	22.40	22.50
		50	25	22.40	22.43	22.44	22.50
	CP-OFDM QPSK	1	1	25.28	25.26	25.28	25.50
	CP-OFDM 16QAM	1	1	24.43	24.47	24.44	25.00
	CP-OFDM 64QAM	1	1	23.17	23.21	23.18	23.50
CP-OFDM 256QAM	1	1	20.40	20.44	20.44	20.50	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				504204/2521.02	518598/2592.99	5329982665	
50MHz	DFT-s-OFDM BPSK	1	1	25.80	25.96	25.84	26.50
		1	131	25.80	25.84	25.90	26.50
		64	32	25.87	25.85	25.90	26.50
	DFT-s-OFDM QPSK	1	1	25.95	25.96	25.85	26.50
		1	131	25.80	25.84	25.90	26.50
		64	32	25.89	25.83	25.80	26.50
	DFT-s-OFDM 16QAM	1	1	25.79	25.89	25.86	26.00
		1	131	24.47	25.60	25.57	26.00
		64	32	24.45	24.44	24.44	25.00
	DFT-s-OFDM 64QAM	1	1	24.23	24.28	24.25	24.50
		1	131	23.85	23.88	23.85	24.50
		64	32	23.69	23.71	23.69	24.50
	DFT-s-OFDM 256QAM	1	1	22.29	22.37	22.33	22.50
		1	131	22.36	22.21	22.37	22.50
		64	32	22.38	22.39	22.39	22.50
	CP-OFDM QPSK	1	1	25.24	25.24	25.24	25.50
CP-OFDM 16QAM	1	1	24.37	24.41	24.38	25.00	
CP-OFDM 64QAM	1	1	23.12	23.13	23.11	23.50	
CP-OFDM 256QAM	1	1	20.36	20.40	20.38	20.50	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				505200/2526	518598/2595.99	531996/2659.98	
60MHz	DFT-s-OFDM BPSK	1	1	25.77	25.94	25.80	26.50
		1	160	25.78	25.80	25.87	26.50
		81	40	25.84	25.80	25.86	26.50
	DFT-s-OFDM	1	1	25.92	25.91	25.81	26.50



	QPSK	1	160	25.78	25.80	25.85	26.50
		81	40	25.87	25.81	25.76	26.50
	DFT-s-OFDM 16QAM	1	1	25.79	25.88	25.84	26.00
		1	160	24.44	25.56	25.54	26.00
		81	40	24.42	24.42	24.41	25.00
	DFT-s-OFDM 64QAM	1	1	24.20	24.26	24.21	24.50
		1	160	23.83	23.84	23.82	24.50
		81	40	23.66	23.66	23.65	24.50
	DFT-s-OFDM 256QAM	1	1	22.26	22.32	22.29	22.50
		1	160	22.34	22.17	22.32	22.50
		81	40	22.35	22.39	22.36	22.50
	CP-OFDM QPSK	1	1	25.21	25.26	25.21	25.50
CP-OFDM 16QAM	1	1	24.38	24.39	24.34	25.00	
CP-OFDM 64QAM	1	1	23.10	23.09	23.12	23.50	
CP-OFDM 256QAM	1	1	20.33	20.35	20.34	20.50	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				507204/2536.02	518598/2595.99	529998/2649.99	
80MHz	DFT-s-OFDM BPSK	1	1	25.79	25.95	25.83	26.50
		1	215	25.81	25.85	25.91	26.50
		108	54	25.86	25.84	25.89	26.50
	DFT-s-OFDM QPSK	1	1	25.95	25.96	25.85	26.50
		1	215	25.81	25.85	25.89	26.50
		108	54	25.89	25.85	25.81	26.50
	DFT-s-OFDM 16QAM	1	1	25.83	25.90	25.88	26.00
		1	215	24.46	25.59	25.56	26.00
		108	54	24.45	24.46	24.44	25.00
	DFT-s-OFDM 64QAM	1	1	24.23	24.28	24.24	24.50
		1	215	23.86	23.89	23.86	24.50
		108	54	23.68	23.70	23.68	24.50
	DFT-s-OFDM 256QAM	1	1	22.29	22.37	22.33	22.50
		1	215	22.37	22.22	22.36	22.50
		108	54	22.37	22.38	22.38	22.50
	CP-OFDM QPSK	1	1	25.24	25.26	25.24	25.50
	CP-OFDM 16QAM	1	1	24.37	24.41	24.37	25.00
	CP-OFDM 64QAM	1	1	23.13	23.14	23.12	23.50
CP-OFDM	1	1	20.35	20.39	20.37	20.50	



Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				508200/2541	518598/2595.99	528996/2644.98	
				256QAM			
90MHz	DFT-s-OFDM BPSK	1	1	25.78	25.91	25.81	26.50
		1	243	25.79	25.84	25.88	26.50
		120	60	25.83	25.79	25.85	26.50
	DFT-s-OFDM QPSK	1	1	25.93	25.92	25.82	26.50
		1	243	25.78	25.80	25.85	26.50
		120	60	25.86	25.82	25.77	26.50
	DFT-s-OFDM 16QAM	1	1	25.81	25.86	25.83	26.00
		1	243	24.41	25.57	25.54	26.00
		120	60	24.43	24.43	24.42	25.00
	DFT-s-OFDM 64QAM	1	1	24.20	24.24	24.21	24.50
		1	243	23.83	23.87	23.83	24.50
		120	60	23.65	23.65	23.64	24.50
	DFT-s-OFDM 256QAM	1	1	22.27	22.33	22.30	22.50
		1	243	22.34	22.17	22.32	22.50
		120	60	22.32	22.36	22.36	22.50
	CP-OFDM QPSK	1	1	25.22	25.23	25.22	25.50
	CP-OFDM 16QAM	1	1	24.38	24.40	24.38	25.00
	CP-OFDM 64QAM	1	1	23.12	23.16	23.13	23.50
CP-OFDM 256QAM	1	1	20.33	20.36	20.36	20.50	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				509202/2546.01	518598/2592.99	528000/2640	
				256QAM			
100MHz	DFT-s-OFDM BPSK	1	1	25.75	25.87	25.78	26.50
		1	271	25.78	25.80	25.86	26.50
		135	67	25.81	25.78	25.82	26.50
	DFT-s-OFDM QPSK	1	1	25.90	25.87	25.78	26.50
		1	271	25.76	25.76	25.82	26.50
		135	67	25.83	25.77	25.73	26.50
	DFT-s-OFDM 16QAM	1	1	25.78	25.81	25.79	26.00
		1	271	25.48	25.53	25.49	26.00
		135	67	24.39	24.41	24.38	25.00
	DFT-s-OFDM 64QAM	1	1	24.18	24.21	24.19	24.50
		1	271	23.80	23.83	23.80	24.50
		135	67	23.62	23.63	23.61	24.50
	DFT-s-OFDM 256QAM	1	1	22.24	22.28	22.26	22.50
		1	271	22.32	22.13	22.29	22.50
		135	67	22.30	22.32	22.31	22.50



	CP-OFDM QPSK	1	1	25.18	25.21	25.18	25.50
	CP-OFDM 16QAM	1	1	24.32	24.34	24.32	25.00
	CP-OFDM 64QAM	1	1	23.07	23.08	23.06	23.50
	CP-OFDM 256QAM	1	1	20.29	20.32	20.30	20.50

NR n41 Level 3&Level 5&Level 7-D1				Conducted Power(dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				501204/2506.2	518598/2592.99	535998/2679.99	
20MHz	DFT-s-OFDM BPSK	1	1	22.01	22.27	22.07	23.00
		1	49	21.91	22.05	22.07	23.00
		25	12	22.08	22.03	22.14	23.00
	DFT-s-OFDM QPSK	1	1	22.13	22.19	22.09	23.00
		1	49	21.91	22.07	22.14	23.00
		25	12	22.06	22.04	22.04	23.00
	DFT-s-OFDM 16QAM	1	1	21.66	21.94	21.90	22.50
		1	49	21.49	21.64	21.68	22.50
		25	12	20.50	20.39	20.49	21.50
	DFT-s-OFDM 64QAM	1	1	20.22	20.33	20.26	21.00
		1	49	19.86	19.91	19.86	21.00
		25	12	19.77	19.76	19.76	21.00
	DFT-s-OFDM 256QAM	1	1	18.33	18.50	18.40	19.00
		1	49	18.33	18.27	18.41	19.00
		25	12	18.43	18.43	18.47	19.00
	CP-OFDM QPSK	1	1	21.29	21.19	21.29	22.00
	CP-OFDM 16QAM	1	1	20.44	20.52	20.47	21.50
	CP-OFDM 64QAM	1	1	19.17	19.24	19.20	20.00
CP-OFDM 256QAM	1	1	16.34	16.40	16.42	17.00	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				502200/2511	518598/2592.99	534996/2674.98	
30MHz	DFT-s-OFDM BPSK	1	1	22.03	22.32	22.10	23.00
		1	76	21.92	22.05	22.09	23.00
		36	18	22.12	22.09	22.19	23.00
	DFT-s-OFDM QPSK	1	1	22.15	22.23	22.12	23.00
		1	76	21.93	22.11	22.19	23.00



		36	18	22.09	22.05	22.07	23.00
	DFT-s-OFDM 16QAM	1	1	21.64	21.97	21.93	22.50
		1	76	21.54	21.67	21.71	22.50
		36	18	20.52	20.40	20.51	21.50
	DFT-s-OFDM 64QAM	1	1	20.25	20.37	20.30	21.00
		1	76	19.88	19.92	19.88	21.00
		36	18	19.81	19.82	19.81	21.00
	DFT-s-OFDM 256QAM	1	1	18.35	18.54	18.43	19.00
		1	76	18.35	18.31	18.46	19.00
		36	18	18.49	18.46	18.50	19.00
	CP-OFDM QPSK	1	1	21.31	21.20	21.31	22.00
	CP-OFDM 16QAM	1	1	20.43	20.53	20.47	21.50
CP-OFDM 64QAM	1	1	19.17	19.21	19.18	20.00	
CP-OFDM 256QAM	1	1	16.37	16.44	16.44	17.00	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				503202/2516.01	518598/2592.99	534000/2670	
40MHz	DFT-s-OFDM BPSK	1	1	21.96	22.18	22.01	23.00
		1	104	21.89	22.01	22.03	23.00
		50	25	22.02	21.96	22.06	23.00
	DFT-s-OFDM QPSK	1	1	22.08	22.10	22.02	23.00
		1	104	21.87	21.99	22.06	23.00
		50	25	22.00	21.98	21.97	23.00
	DFT-s-OFDM 16QAM	1	1	21.65	21.86	21.83	22.50
		1	104	21.43	21.57	21.60	22.50
		50	25	20.44	20.36	20.43	21.50
	DFT-s-OFDM 64QAM	1	1	20.17	20.26	20.20	21.00
		1	104	19.81	19.86	19.81	21.00
		50	25	19.70	19.68	19.68	21.00
	DFT-s-OFDM 256QAM	1	1	18.28	18.41	18.33	19.00
		1	104	18.29	18.19	18.33	19.00
		50	25	18.35	18.36	18.39	19.00
	CP-OFDM QPSK	1	1	21.23	21.16	21.23	22.00
	CP-OFDM 16QAM	1	1	20.39	20.45	20.41	21.50
	CP-OFDM 64QAM	1	1	19.12	19.19	19.15	20.00
CP-OFDM 256QAM	1	1	16.27	16.32	16.34	17.00	



Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				504204/2521.02	518598/2592.99	5329982665	
50MHz	DFT-s-OFDM BPSK	1	1	21.98	22.23	22.04	23.00
		1	131	21.90	22.01	22.05	23.00
		64	32	22.06	22.02	22.11	23.00
	DFT-s-OFDM QPSK	1	1	22.10	22.14	22.05	23.00
		1	131	21.89	22.03	22.11	23.00
		64	32	22.03	21.99	22.00	23.00
	DFT-s-OFDM 16QAM	1	1	21.63	21.89	21.86	22.50
		1	131	21.48	21.60	21.63	22.50
		64	32	20.46	20.37	20.45	21.50
	DFT-s-OFDM 64QAM	1	1	20.20	20.30	20.24	21.00
		1	131	19.83	19.87	19.83	21.00
		64	32	19.74	19.74	19.73	21.00
	DFT-s-OFDM 256QAM	1	1	18.30	18.45	18.36	19.00
		1	131	18.31	18.23	18.38	19.00
64		32	18.41	18.39	18.42	19.00	
CP-OFDM QPSK	1	1	21.25	21.17	21.25	22.00	
CP-OFDM 16QAM	1	1	20.38	20.46	20.41	21.50	
CP-OFDM 64QAM	1	1	19.12	19.16	19.13	20.00	
CP-OFDM 256QAM	1	1	16.30	16.36	16.36	17.00	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				505200/2526	518598/2595.99	531996/2659.98	
60MHz	DFT-s-OFDM BPSK	1	1	21.92	22.13	21.97	23.00
		1	160	21.89	21.98	22.02	23.00
		81	40	21.99	21.94	22.02	23.00
	DFT-s-OFDM QPSK	1	1	22.05	22.05	21.98	23.00
		1	160	21.86	21.96	22.02	23.00
		81	40	21.97	21.95	21.94	23.00
	DFT-s-OFDM 16QAM	1	1	21.66	21.82	21.81	22.50
		1	160	21.41	21.52	21.54	22.50
		81	40	20.40	20.36	20.39	21.50
	DFT-s-OFDM 64QAM	1	1	20.15	20.23	20.17	21.00
		1	160	19.79	19.83	19.79	21.00
		81	40	19.66	19.65	19.64	21.00
	DFT-s-OFDM 256QAM	1	1	18.25	18.36	18.29	19.00
		1	160	18.28	18.16	18.29	19.00
81		40	18.32	18.31	18.33	19.00	
CP-OFDM	1	1	21.19	21.16	21.19	22.00	



Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				507204/2536.02	518598/2595.99	529998/2649.99	
	QPSK						
	CP-OFDM 16QAM	1	1	20.33	20.39	20.34	21.50
	CP-OFDM 64QAM	1	1	19.08	19.12	19.09	20.00
	CP-OFDM 256QAM	1	1	16.22	16.27	16.27	17.00
80MHz	DFT-s-OFDM BPSK	1	1	21.90	22.12	21.94	23.00
		1	215	21.86	21.93	21.98	23.00
		108	54	21.97	21.90	21.99	23.00
	DFT-s-OFDM QPSK	1	1	22.02	22.00	21.94	23.00
		1	215	21.83	21.91	21.98	23.00
		108	54	21.95	21.91	21.89	23.00
	DFT-s-OFDM 16QAM	1	1	21.62	21.80	21.77	22.50
		1	215	21.39	21.49	21.52	22.50
		108	54	20.37	20.32	20.36	21.50
	DFT-s-OFDM 64QAM	1	1	20.12	20.21	20.14	21.00
		1	215	19.76	19.78	19.75	21.00
		108	54	19.64	19.61	19.61	21.00
	DFT-s-OFDM 256QAM	1	1	18.22	18.31	18.25	19.00
		1	215	18.25	18.11	18.25	19.00
		108	54	18.30	18.32	18.31	19.00
	CP-OFDM QPSK	1	1	21.16	21.16	21.16	22.00
	CP-OFDM 16QAM	1	1	20.34	20.37	20.31	21.50
	CP-OFDM 64QAM	1	1	19.05	19.07	19.09	20.00
	CP-OFDM 256QAM	1	1	16.20	16.23	16.24	17.00
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				508200/2541	518598/2595.99	528996/2644.98	
90MHz	DFT-s-OFDM BPSK	1	1	21.91	22.09	21.95	23.00
		1	243	21.87	21.97	21.99	23.00
		120	60	21.96	21.89	21.98	23.00
	DFT-s-OFDM QPSK	1	1	22.03	22.01	21.95	23.00
		1	243	21.83	21.91	21.98	23.00
		120	60	21.94	21.92	21.90	23.00
	DFT-s-OFDM 16QAM	1	1	21.64	21.78	21.76	22.50
		1	243	21.36	21.50	21.52	22.50
		120	60	20.38	20.33	20.37	21.50



	DFT-s-OFDM 64QAM	1	1	20.12	20.19	20.14	21.00
		1	243	19.76	19.81	19.76	21.00
		120	60	19.63	19.60	19.60	21.00
	DFT-s-OFDM 256QAM	1	1	18.23	18.32	18.26	19.00
		1	243	18.25	18.11	18.25	19.00
		120	60	18.27	18.29	18.31	19.00
	CP-OFDM QPSK	1	1	21.17	21.13	21.17	22.00
	CP-OFDM 16QAM	1	1	20.34	20.38	20.35	21.50
CP-OFDM 64QAM	1	1	19.07	19.14	19.10	20.00	
CP-OFDM 256QAM	1	1	16.20	16.24	16.26	17.00	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				509202/2546.01	518598/2592.99	528000/2640	
100MHz	DFT-s-OFDM BPSK	1	1	21.88	22.05	21.92	23.00
		1	271	21.86	21.93	21.97	23.00
		135	67	21.94	21.88	21.95	23.00
	DFT-s-OFDM QPSK	1	1	22.00	21.96	21.91	23.00
		1	271	21.81	21.87	21.95	23.00
		135	67	21.91	21.87	21.86	23.00
	DFT-s-OFDM 16QAM	1	1	21.61	21.73	21.72	22.50
		1	271	20.52	21.46	21.47	22.50
		135	67	20.34	20.31	20.33	21.50
	DFT-s-OFDM 64QAM	1	1	20.10	20.16	20.12	21.00
		1	271	19.73	19.77	19.73	21.00
		135	67	19.60	19.58	19.57	21.00
	DFT-s-OFDM 256QAM	1	1	18.20	18.27	18.22	19.00
		1	271	18.23	18.07	18.22	19.00
		135	67	18.25	18.25	18.26	19.00
	CP-OFDM QPSK	1	1	21.13	21.11	21.13	22.00
	CP-OFDM 16QAM	1	1	20.28	20.32	20.29	21.50
	CP-OFDM 64QAM	1	1	19.02	19.06	19.03	20.00
	CP-OFDM 256QAM	1	1	16.16	16.20	16.20	17.00

NR n41 Level 6-D1				Conducted Power(dBm)			Tune-up
Bandwidth	Modulation	RB	offset	Channel/Frequency(MHz)			



		allocation		501204/2506.2	518598/2592.99	535998/2679.99	
20MHz	DFT-s-OFDM BPSK	1	1	22.91	23.19	22.98	24.00
		1	49	22.85	22.95	23.01	24.00
		25	12	23.01	23.02	23.10	24.00
	DFT-s-OFDM QPSK	1	1	23.08	23.21	23.12	24.00
		1	49	22.88	23.04	23.08	24.00
		25	12	23.03	22.99	22.98	24.00
	DFT-s-OFDM 16QAM	1	1	22.84	23.12	23.07	23.50
		1	49	21.62	22.74	22.74	23.50
		25	12	21.61	21.53	21.60	22.50
	DFT-s-OFDM 64QAM	1	1	21.34	21.45	21.38	22.00
		1	49	20.98	21.01	20.98	22.00
		25	12	20.87	20.92	20.90	22.00
	DFT-s-OFDM 256QAM	1	1	19.39	19.59	19.49	20.00
		1	49	19.43	19.40	19.54	20.00
		25	12	19.58	19.56	19.59	20.00
CP-OFDM QPSK	1	1	22.38	22.31	22.38	23.00	
CP-OFDM 16QAM	1	1	21.47	21.57	21.50	22.50	
CP-OFDM 64QAM	1	1	20.24	20.25	20.23	21.00	
CP-OFDM 256QAM	1	1	17.53	17.60	17.58	18.00	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				502200/2511	518598/2592.99	534996/2674.98	
30MHz	DFT-s-OFDM BPSK	1	1	22.96	23.28	23.04	24.00
		1	76	22.87	22.99	23.05	24.00
		36	18	23.07	23.09	23.18	24.00
	DFT-s-OFDM QPSK	1	1	23.13	23.30	23.19	24.00
		1	76	22.92	23.12	23.16	24.00
		36	18	23.09	23.05	23.05	24.00
	DFT-s-OFDM 16QAM	1	1	22.85	23.20	23.14	23.50
		1	76	21.68	22.81	22.82	23.50
		36	18	21.67	21.56	21.66	22.50
	DFT-s-OFDM 64QAM	1	1	21.39	21.52	21.44	22.00
		1	76	21.03	21.06	21.03	22.00
		36	18	20.94	21.00	20.98	22.00
	DFT-s-OFDM 256QAM	1	1	19.44	19.68	19.56	20.00
		1	76	19.47	19.48	19.62	20.00
		36	18	19.66	19.63	19.67	20.00
CP-OFDM QPSK	1	1	22.44	22.34	22.44	23.00	



Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				503202/2516.01	518598/2592.99	534000/2670	
	CP-OFDM 16QAM	1	1	21.52	21.64	21.56	22.50
	CP-OFDM 64QAM	1	1	20.29	20.30	20.28	21.00
	CP-OFDM 256QAM	1	1	17.60	17.68	17.66	18.00
40MHz	DFT-s-OFDM BPSK	1	1	22.89	23.18	22.95	24.00
		1	104	22.82	22.90	22.97	24.00
		50	25	22.99	22.98	23.07	24.00
	DFT-s-OFDM QPSK	1	1	23.05	23.16	23.08	24.00
		1	104	22.85	22.99	23.04	24.00
		50	25	23.01	22.95	22.93	24.00
	DFT-s-OFDM 16QAM	1	1	22.80	23.10	23.03	23.50
		1	104	21.60	22.71	22.72	23.50
		50	25	21.58	21.49	21.57	22.50
	DFT-s-OFDM 64QAM	1	1	21.31	21.43	21.35	22.00
		1	104	20.95	20.96	20.94	22.00
		50	25	20.85	20.88	20.87	22.00
	DFT-s-OFDM 256QAM	1	1	19.36	19.54	19.45	20.00
		1	104	19.40	19.35	19.50	20.00
		50	25	19.56	19.57	19.57	20.00
CP-OFDM QPSK	1	1	22.35	22.31	22.35	23.00	
CP-OFDM 16QAM	1	1	21.48	21.55	21.47	22.50	
CP-OFDM 64QAM	1	1	20.21	20.20	20.23	21.00	
CP-OFDM 256QAM	1	1	17.51	17.56	17.55	18.00	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				504204/2521.02	518598/2592.99	5329982665	
50MHz	DFT-s-OFDM BPSK	1	1	22.94	23.27	23.01	24.00
		1	131	22.84	22.94	23.01	24.00
		64	32	23.05	23.05	23.15	24.00
	DFT-s-OFDM QPSK	1	1	23.10	23.25	23.15	24.00
		1	131	22.89	23.07	23.12	24.00
		64	32	23.07	23.01	23.00	24.00
	DFT-s-OFDM 16QAM	1	1	22.81	23.18	23.10	23.50
		1	131	21.66	22.78	22.80	23.50
		64	32	21.64	21.52	21.63	22.50
	DFT-s-OFDM	1	1	21.36	21.50	21.41	22.00



Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				505200/2526	518598/2595.99	531996/2659.98	
	64QAM	1	131	21.00	21.01	20.99	22.00
		64	32	20.92	20.96	20.95	22.00
	DFT-s-OFDM 256QAM	1	1	19.41	19.63	19.52	20.00
		1	131	19.44	19.43	19.58	20.00
		64	32	19.64	19.64	19.65	20.00
	CP-OFDM QPSK	1	1	22.41	22.34	22.41	23.00
	CP-OFDM 16QAM	1	1	21.53	21.62	21.53	22.50
	CP-OFDM 64QAM	1	1	20.26	20.25	20.28	21.00
CP-OFDM 256QAM	1	1	17.58	17.64	17.63	18.00	
60MHz	DFT-s-OFDM BPSK	1	1	22.96	23.28	23.04	24.00
		1	160	22.87	22.99	23.05	24.00
		81	40	23.07	23.09	23.18	24.00
	DFT-s-OFDM QPSK	1	1	23.13	23.30	23.19	24.00
		1	160	22.92	23.12	23.16	24.00
		81	40	23.09	23.05	23.05	24.00
	DFT-s-OFDM 16QAM	1	1	22.85	23.20	23.14	23.50
		1	160	21.68	22.81	22.82	23.50
		81	40	21.67	21.56	21.66	22.50
	DFT-s-OFDM 64QAM	1	1	21.39	21.52	21.44	22.00
		1	160	21.03	21.06	21.03	22.00
		81	40	20.94	21.00	20.98	22.00
	DFT-s-OFDM 256QAM	1	1	19.44	19.68	19.56	20.00
		1	160	19.47	19.48	19.62	20.00
		81	40	19.66	19.63	19.67	20.00
	CP-OFDM QPSK	1	1	22.44	22.34	22.44	23.00
	CP-OFDM 16QAM	1	1	21.52	21.64	21.56	22.50
	CP-OFDM 64QAM	1	1	20.29	20.30	20.28	21.00
CP-OFDM 256QAM	1	1	17.60	17.68	17.66	18.00	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				507204/2536.02	518598/2595.99	529998/2649.99	
80MHz	DFT-s-OFDM BPSK	1	1	22.90	23.15	22.96	24.00
		1	215	22.83	22.94	22.98	24.00
		108	54	22.98	22.97	23.06	24.00



	DFT-s-OFDM QPSK	1	1	23.06	23.17	23.09	24.00
		1	215	22.85	22.99	23.04	24.00
		108	54	23.00	22.96	22.94	24.00
	DFT-s-OFDM 16QAM	1	1	22.82	23.08	23.02	23.50
		1	215	21.57	22.72	22.72	23.50
		108	54	21.59	21.50	21.58	22.50
	DFT-s-OFDM 64QAM	1	1	21.31	21.41	21.35	22.00
		1	215	20.95	20.99	20.95	22.00
		108	54	20.84	20.87	20.86	22.00
	DFT-s-OFDM 256QAM	1	1	19.37	19.55	19.46	20.00
		1	215	19.40	19.35	19.50	20.00
		108	54	19.53	19.54	19.57	20.00
CP-OFDM QPSK	1	1	22.36	22.28	22.36	23.00	
CP-OFDM 16QAM	1	1	21.48	21.56	21.51	22.50	
CP-OFDM 64QAM	1	1	20.23	20.27	20.24	21.00	
CP-OFDM 256QAM	1	1	17.51	17.57	17.57	18.00	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				508200/2541	518598/2595.99	528996/2644.98	
90MHz	DFT-s-OFDM BPSK	1	1	22.92	23.20	22.99	24.00
		1	243	22.84	22.94	23.00	24.00
		120	60	23.02	23.03	23.11	24.00
	DFT-s-OFDM QPSK	1	1	23.08	23.21	23.12	24.00
		1	243	22.87	23.03	23.09	24.00
		120	60	23.03	22.97	22.97	24.00
	DFT-s-OFDM 16QAM	1	1	22.80	23.11	23.05	23.50
		1	243	21.63	22.75	22.75	23.50
		120	60	21.61	21.51	21.60	22.50
	DFT-s-OFDM 64QAM	1	1	21.34	21.45	21.39	22.00
		1	243	20.97	21.00	20.97	22.00
		120	60	20.88	20.93	20.91	22.00
	DFT-s-OFDM 256QAM	1	1	19.39	19.59	19.49	20.00
		1	243	19.42	19.39	19.55	20.00
		120	60	19.59	19.57	19.60	20.00
	CP-OFDM QPSK	1	1	22.38	22.29	22.38	23.00
	CP-OFDM 16QAM	1	1	21.47	21.57	21.51	22.50
	CP-OFDM 64QAM	1	1	20.23	20.24	20.22	21.00



Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				509202/2546.01	518598/2592.99	528000/2640	
				CP-OFDM 256QAM	1	1	
100MHz	DFT-s-OFDM BPSK	1	1	22.87	23.11	22.93	24.00
		1	271	22.82	22.90	22.96	24.00
		135	67	22.96	22.96	23.03	24.00
	DFT-s-OFDM QPSK	1	1	23.03	23.12	23.05	24.00
		1	271	22.83	22.95	23.01	24.00
		135	67	22.97	22.91	22.90	24.00
	DFT-s-OFDM 16QAM	1	1	22.79	23.03	22.98	23.50
		1	271	21.57	22.68	22.67	23.50
		135	67	21.55	21.48	21.54	22.50
	DFT-s-OFDM 64QAM	1	1	21.29	21.38	21.33	22.00
		1	271	20.92	20.95	20.92	22.00
		135	67	20.81	20.85	20.83	22.00
	DFT-s-OFDM 256QAM	1	1	19.34	19.50	19.42	20.00
		1	271	19.38	19.31	19.47	20.00
		135	67	19.51	19.50	19.52	20.00
	CP-OFDM QPSK	1	1	22.32	22.26	22.32	23.00
	CP-OFDM 16QAM	1	1	21.42	21.50	21.45	22.50
	CP-OFDM 64QAM	1	1	20.18	20.19	20.17	21.00
	CP-OFDM 256QAM	1	1	17.47	17.53	17.51	18.00

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NR n66 Full Power&Level 1&Level 2&Level 4&Level 6-D2				Conducted Power(dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				342500/1712.5	349000/1745	355500/1777.5	
5MHz	DFT-s-OFDM BPSK	1	1	22.85	23.02	22.94	24.70
		1	23	22.86	22.98	22.96	24.70
		12	6	22.82	22.93	22.92	24.70
	DFT-s-OFDM QPSK	1	1	22.80	22.96	22.98	24.70
		1	23	22.94	23.05	23.01	24.70
		12	6	22.82	22.98	22.93	24.70
	DFT-s-OFDM 16QAM	12	6	22.04	22.02	22.06	23.00
		1	0	21.25	21.04	21.08	22.00
		1	24	21.23	21.13	21.19	22.00
	DFT-s-OFDM	1	0	20.72	20.67	20.70	21.50



Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				343000/1715	349000/1745	355000/1775	
	64QAM	1	24	20.85	20.77	20.82	21.50
		25	0	20.56	20.46	20.53	21.50
	DFT-s-OFDM 256QAM	1	0	18.55	18.53	18.58	19.50
		1	24	18.64	18.56	18.59	19.50
		25	0	18.65	18.57	18.63	19.50
	CP-OFDM QPSK	13	6	21.58	21.53	21.55	22.50
	CP-OFDM 16QAM	13	6	21.10	21.01	21.04	22.00
	CP-OFDM 64QAM	1	0	19.15	19.03	19.14	20.50
CP-OFDM 256QAM	1	0	17.04	16.95	17.02	17.50	
10MHz	DFT-s-OFDM BPSK	1	1	22.87	23.03	22.97	24.70
		1	50	22.89	23.03	23.00	24.70
		25	12	22.84	22.97	22.95	24.70
	DFT-s-OFDM QPSK	1	1	22.83	23.01	23.02	24.70
		1	50	22.97	23.10	23.05	24.70
		25	12	22.84	23.02	22.98	24.70
	DFT-s-OFDM 16QAM	25	12	22.08	22.04	22.10	23.00
		1	0	21.27	21.07	21.10	22.00
		1	51	21.26	21.17	21.22	22.00
	DFT-s-OFDM 64QAM	1	0	20.75	20.69	20.73	21.50
		1	51	20.88	20.82	20.86	21.50
		50	0	20.58	20.50	20.56	21.50
	DFT-s-OFDM 256QAM	1	0	18.58	18.58	18.62	19.50
		1	51	18.67	18.61	18.63	19.50
		50	0	18.67	18.56	18.65	19.50
	CP-OFDM QPSK	26	13	21.61	21.53	21.58	22.50
	CP-OFDM 16QAM	26	13	21.09	21.03	21.07	22.00
	CP-OFDM 64QAM	1	0	19.18	19.08	19.14	20.50
CP-OFDM 256QAM	1	0	17.06	16.99	17.05	17.50	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				343500/1717.5	349000/1745	354500/1772.5	
15MHz	DFT-s-OFDM BPSK	1	1	22.86	22.99	22.95	24.70
		1	77	22.87	23.02	22.97	24.70
		36	18	22.81	22.92	22.91	24.70



	DFT-s-OFDM QPSK	1	1	22.81	22.97	22.99	24.70
		1	77	22.94	23.05	23.01	24.70
		36	18	22.81	22.99	22.94	24.70
	DFT-s-OFDM 16QAM	36	18	22.06	22.00	22.05	23.00
		1	0	21.22	21.05	21.08	22.00
		1	78	21.24	21.14	21.20	22.00
	DFT-s-OFDM 64QAM	1	0	20.72	20.65	20.70	21.50
		1	78	20.85	20.80	20.83	21.50
		75	0	20.55	20.45	20.52	21.50
	DFT-s-OFDM 256QAM	1	0	18.56	18.54	18.59	19.50
		1	78	18.64	18.56	18.59	19.50
		75	0	18.62	18.54	18.63	19.50
	CP-OFDM QPSK	39	19	21.59	21.50	21.56	22.50
	CP-OFDM 16QAM	39	19	21.10	21.02	21.08	22.00
CP-OFDM 64QAM	1	0	19.17	19.10	19.15	20.50	
CP-OFDM 256QAM	1	0	17.04	16.96	17.04	17.50	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				344000/1720	349000/1745	354000/1770	
20MHz	DFT-s-OFDM BPSK	1	1	22.83	22.95	22.92	24.70
		1	104	22.86	22.98	22.95	24.70
		50	25	22.79	22.91	22.88	24.70
	DFT-s-OFDM QPSK	1	1	22.78	22.92	22.95	24.70
		1	104	22.92	23.01	22.98	24.70
		50	25	22.78	22.94	22.90	24.70
	DFT-s-OFDM 16QAM	50	25	22.03	21.95	22.01	23.00
		1	0	21.04	21.01	21.03	22.00
		1	105	21.20	21.12	21.16	22.00
	DFT-s-OFDM 64QAM	1	0	20.70	20.62	20.68	21.50
		1	105	20.82	20.76	20.80	21.50
		100	0	20.52	20.43	20.49	21.50
	DFT-s-OFDM 256QAM	1	0	18.53	18.49	18.55	19.50
		1	105	18.62	18.52	18.56	19.50
		100	0	18.60	18.50	18.58	19.50
	CP-OFDM QPSK	53	26	21.55	21.48	21.52	22.50
	CP-OFDM 16QAM	53	26	21.04	20.96	21.02	22.00
	CP-OFDM 64QAM	1	0	19.12	19.02	19.08	20.50



	CP-OFDM 256QAM	1	0	17.00	16.92	16.98	17.50
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NR n66 Level 3&Level 5				Conducted Power(dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				342500/1712.5	349000/1745	355500/1777.5	
5MHz	DFT-s-OFDM BPSK	1	1	18.89	18.99	18.98	20.00
		1	23	18.83	18.89	18.96	20.00
		12	6	18.78	18.77	18.97	20.00
	DFT-s-OFDM QPSK	1	1	18.93	19.13	18.89	20.00
		1	23	18.96	19.13	18.98	20.00
		12	6	18.95	19.01	18.84	20.00
	DFT-s-OFDM 16QAM	12	6	17.88	18.20	18.13	19.00
		1	0	17.03	17.19	17.18	18.00
		1	24	17.05	17.03	17.31	18.00
	DFT-s-OFDM 64QAM	1	0	16.50	16.48	16.60	17.50
		1	24	16.63	16.56	16.72	17.50
		25	0	16.41	16.37	16.62	17.50
	DFT-s-OFDM 256QAM	1	0	14.66	14.86	14.83	15.50
		1	24	14.66	14.63	14.72	15.50
		25	0	14.68	14.60	14.69	15.50
	CP-OFDM QPSK	13	6	17.51	17.31	17.58	18.50
CP-OFDM 16QAM	13	6	16.98	16.95	17.05	18.00	
CP-OFDM 64QAM	1	0	15.01	14.98	15.16	16.00	
CP-OFDM 256QAM	1	0	13.03	13.12	13.34	13.50	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				343000/1715	349000/1745	355000/1775	
10MHz	DFT-s-OFDM BPSK	1	1	18.91	19.04	19.01	20.00
		1	50	18.84	18.89	18.98	20.00
		25	12	18.82	18.83	19.02	20.00
	DFT-s-OFDM QPSK	1	1	18.95	19.17	18.92	20.00
		1	50	18.98	19.17	19.03	20.00
		25	12	18.98	19.02	18.87	20.00
	DFT-s-OFDM 16QAM	25	12	17.86	18.23	18.16	19.00
		1	0	17.09	17.22	17.21	18.00
		1	51	17.07	17.04	17.33	18.00
	DFT-s-OFDM 64QAM	1	0	16.53	16.52	16.64	17.50
		1	51	16.65	16.57	16.74	17.50



Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				343500/1717.5	349000/1745	354500/1772.5	
	DFT-s-OFDM 256QAM	50	0	16.45	16.43	16.67	17.50
		1	0	14.68	14.90	14.86	15.50
		1	51	14.68	14.67	14.77	15.50
		50	0	14.74	14.63	14.72	15.50
	CP-OFDM QPSK	26	13	17.53	17.32	17.60	18.50
	CP-OFDM 16QAM	26	13	16.97	16.96	17.05	18.00
	CP-OFDM 64QAM	1	0	15.01	14.95	15.14	16.00
CP-OFDM 256QAM	1	0	13.06	13.16	13.36	13.50	
15MHz	DFT-s-OFDM BPSK	1	1	18.88	19.02	18.97	20.00
		1	77	18.82	18.85	18.95	20.00
		36	18	18.79	18.78	18.98	20.00
	DFT-s-OFDM QPSK	1	1	18.92	19.12	18.88	20.00
		1	77	18.96	19.13	18.98	20.00
		36	18	18.96	19.00	18.83	20.00
	DFT-s-OFDM 16QAM	36	18	17.86	18.22	18.14	19.00
		1	0	17.06	17.18	17.18	18.00
		1	78	17.04	17.02	17.30	18.00
	DFT-s-OFDM 64QAM	1	0	16.50	16.50	16.60	17.50
		1	78	16.63	16.53	16.71	17.50
		75	0	16.42	16.38	16.63	17.50
	DFT-s-OFDM 256QAM	1	0	14.65	14.85	14.82	15.50
		1	78	14.66	14.63	14.72	15.50
		75	0	14.71	14.63	14.69	15.50
CP-OFDM QPSK	39	19	17.50	17.34	17.57	18.50	
CP-OFDM 16QAM	39	19	16.98	16.94	17.01	18.00	
CP-OFDM 64QAM	1	0	14.99	14.91	15.15	16.00	
CP-OFDM 256QAM	1	0	13.03	13.11	13.32	13.50	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				344000/1720	349000/1745	354000/1770	
20MHz	DFT-s-OFDM BPSK	1	1	18.86	18.95	18.95	20.00
		1	104	18.82	18.85	18.94	20.00
		50	25	18.76	18.76	18.94	20.00
	DFT-s-OFDM	1	1	18.90	19.08	18.85	20.00



	QPSK	1	104	18.94	19.09	18.95	20.00
		50	25	18.92	18.96	18.80	20.00
	DFT-s-OFDM 16QAM	50	25	17.85	18.15	18.09	19.00
		1	0	17.20	17.15	17.13	18.00
		1	105	17.01	17.01	17.27	18.00
	DFT-s-OFDM 64QAM	1	0	16.48	16.45	16.58	17.50
		1	105	16.60	16.52	16.69	17.50
		100	0	16.38	16.35	16.59	17.50
	DFT-s-OFDM 256QAM	1	0	14.63	14.81	14.79	15.50
		1	105	14.64	14.59	14.69	15.50
		100	0	14.66	14.56	14.64	15.50
	CP-OFDM QPSK	53	26	17.47	17.29	17.54	18.50
	CP-OFDM 16QAM	53	26	16.92	16.89	16.99	18.00
CP-OFDM 64QAM	1	0	14.96	14.90	15.09	16.00	
CP-OFDM 256QAM	1	0	12.99	13.08	13.28	13.50	

NR n66 Level 6-D1&Level 7-D1				Conducted Power(dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				342500/1712.5	349000/1745	355500/1777.5	
5MHz	DFT-s-OFDM BPSK	1	1	21.23	21.30	21.15	22.70
		1	23	20.97	20.99	21.07	22.70
		12	6	20.96	20.97	21.22	22.70
	DFT-s-OFDM QPSK	1	1	21.08	21.42	21.11	22.70
		1	23	21.05	21.36	21.20	22.70
		12	6	21.13	21.19	21.04	22.70
	DFT-s-OFDM 16QAM	12	6	19.90	20.49	20.37	21.00
		1	0	19.26	19.37	19.41	20.00
		1	24	19.24	19.11	19.50	20.00
	DFT-s-OFDM 64QAM	1	0	18.63	18.70	18.76	19.50
		1	24	18.78	18.69	18.86	19.50
		25	0	18.64	18.62	18.88	19.50
	DFT-s-OFDM 256QAM	1	0	16.78	17.12	17.02	17.50
		1	24	16.74	16.85	16.93	17.50
		25	0	16.94	16.85	16.95	17.50
	CP-OFDM QPSK	13	6	19.68	19.41	19.75	20.50
	CP-OFDM 16QAM	13	6	19.14	19.16	19.20	20.00



Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				343000/1715	349000/1745	355000/1775	
	CP-OFDM 64QAM	1	0	17.15	17.10	17.33	18.50
	CP-OFDM 256QAM	1	0	15.05	15.16	15.19	15.50
10MHz	DFT-s-OFDM BPSK	1	1	21.25	21.31	21.18	22.70
		1	50	21.00	21.04	21.11	22.70
		25	12	20.98	21.01	21.25	22.70
	DFT-s-OFDM QPSK	1	1	21.11	21.47	21.15	22.70
		1	50	21.08	21.41	21.24	22.70
		25	12	21.15	21.23	21.09	22.70
	DFT-s-OFDM 16QAM	25	12	19.94	20.51	20.41	21.00
		1	0	19.28	19.40	19.43	20.00
		1	51	19.27	19.15	19.53	20.00
	DFT-s-OFDM 64QAM	1	0	18.66	18.72	18.79	19.50
		1	51	18.81	18.74	18.90	19.50
		50	0	18.66	18.66	18.91	19.50
	DFT-s-OFDM 256QAM	1	0	16.81	17.17	17.06	17.50
		1	51	16.77	16.90	16.97	17.50
		50	0	16.96	16.84	16.97	17.50
	CP-OFDM QPSK	26	13	19.71	19.41	19.78	20.50
CP-OFDM 16QAM	26	13	19.13	19.18	19.23	20.00	
CP-OFDM 64QAM	1	0	17.18	17.15	17.33	18.50	
CP-OFDM 256QAM	1	0	15.07	15.20	15.22	15.50	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				343500/1717.5	349000/1745	354500/1772.5	
15MHz	DFT-s-OFDM BPSK	1	1	21.29	21.36	21.22	22.70
		1	77	21.00	21.07	21.12	22.70
		36	18	21.01	21.03	21.29	22.70
	DFT-s-OFDM QPSK	1	1	21.14	21.52	21.19	22.70
		1	77	21.09	21.44	21.28	22.70
		36	18	21.18	21.26	21.12	22.70
	DFT-s-OFDM 16QAM	36	18	19.93	20.55	20.43	21.00
		1	0	19.29	19.45	19.49	20.00
		1	78	19.31	19.15	19.57	20.00
	DFT-s-OFDM 64QAM	1	0	18.68	18.75	18.82	19.50
		1	78	18.83	18.77	18.92	19.50
		75	0	18.70	18.69	18.95	19.50



	DFT-s-OFDM 256QAM	1	0	16.84	17.22	17.10	17.50
		1	78	16.78	16.93	17.01	17.50
		75	0	16.99	16.89	17.03	17.50
	CP-OFDM QPSK	39	19	19.75	19.41	19.82	20.50
	CP-OFDM 16QAM	39	19	19.19	19.24	19.30	20.00
	CP-OFDM 64QAM	1	0	17.22	17.22	17.39	18.50
	CP-OFDM 256QAM	1	0	15.12	15.25	15.29	15.50
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				344000/1720	349000/1745	354000/1770	
20MHz	DFT-s-OFDM BPSK	1	1	21.21	21.23	21.13	22.70
		1	104	20.97	20.99	21.06	22.70
		50	25	20.93	20.95	21.18	22.70
	DFT-s-OFDM QPSK	1	1	21.06	21.38	21.08	22.70
		1	104	21.03	21.32	21.17	22.70
		50	25	21.09	21.15	21.01	22.70
	DFT-s-OFDM 16QAM	50	25	19.89	20.42	20.32	21.00
		1	0	19.19	19.34	19.36	20.00
		1	105	19.21	19.10	19.47	20.00
	DFT-s-OFDM 64QAM	1	0	18.61	18.65	18.74	19.50
		1	105	18.75	18.68	18.84	19.50
		100	0	18.60	18.59	18.84	19.50
	DFT-s-OFDM 256QAM	1	0	16.76	17.08	16.99	17.50
		1	105	16.72	16.81	16.90	17.50
		100	0	16.89	16.78	16.90	17.50
	CP-OFDM QPSK	53	26	19.65	19.36	19.72	20.50
	CP-OFDM 16QAM	53	26	19.08	19.11	19.18	20.00
	CP-OFDM 64QAM	1	0	17.12	17.09	17.27	18.50
CP-OFDM 256QAM	1	0	15.01	15.13	15.15	15.50	

Ant 7

NR n66 Full Power&Level 2&Level 6-D1&Level 6-D2&Level 7-D1				Conducted Power(dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				342500/1712.5	349000/1745	355500/1777.5	



5MHz	DFT-s-OFDM BPSK	1	1	23.10	23.12	23.01	24.90
		1	23	23.06	23.09	23.06	24.90
		12	6	23.04	23.06	23.10	24.90
	DFT-s-OFDM QPSK	1	1	23.13	23.07	23.06	24.90
		1	23	23.07	23.08	23.04	24.90
		12	6	23.11	23.04	23.01	24.90
	DFT-s-OFDM 16QAM	12	6	21.99	22.09	22.11	23.00
		1	0	20.95	20.88	20.83	22.00
		1	24	20.93	20.89	20.84	22.00
	DFT-s-OFDM 64QAM	1	0	20.63	20.69	20.61	21.50
		1	24	20.58	20.67	20.63	21.50
		25	0	20.55	20.62	20.70	21.50
	DFT-s-OFDM 256QAM	1	0	18.44	18.52	18.56	19.50
		1	24	18.36	18.55	18.44	19.50
		25	0	18.64	18.55	18.44	19.50
CP-OFDM QPSK	13	6	21.34	21.45	21.37	22.50	
CP-OFDM 16QAM	13	6	21.19	21.13	21.04	22.00	
CP-OFDM 64QAM	1	0	19.33	19.22	19.23	20.50	
CP-OFDM 256QAM	1	0	16.55	16.55	16.53	17.50	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				343000/1715	349000/1745	355000/1775	
10MHz	DFT-s-OFDM BPSK	1	1	23.12	23.13	23.04	24.90
		1	50	23.09	23.14	23.10	24.90
		25	12	23.06	23.10	23.13	24.90
	DFT-s-OFDM QPSK	1	1	23.16	23.12	23.10	24.90
		1	50	23.10	23.13	23.08	24.90
		25	12	23.13	23.08	23.06	24.90
	DFT-s-OFDM 16QAM	25	12	22.03	22.11	22.15	23.00
		1	0	20.97	20.91	20.85	22.00
		1	51	20.96	20.93	20.87	22.00
	DFT-s-OFDM 64QAM	1	0	20.66	20.71	20.64	21.50
		1	51	20.61	20.72	20.67	21.50
		50	0	20.57	20.66	20.73	21.50
	DFT-s-OFDM 256QAM	1	0	18.47	18.57	18.60	19.50
		1	51	18.39	18.60	18.48	19.50
		50	0	18.66	18.54	18.46	19.50
CP-OFDM QPSK	26	13	21.37	21.45	21.40	22.50	
CP-OFDM 16QAM	26	13	21.18	21.15	21.07	22.00	
CP-OFDM	1	0	19.36	19.27	19.23	20.50	



Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				343500/1717.5	349000/1745	354500/1772.5	
	64QAM						
	CP-OFDM 256QAM	1	0	16.57	16.59	16.56	17.50
15MHz	DFT-s-OFDM BPSK	1	1	23.11	23.09	23.02	24.90
		1	77	23.07	23.13	23.07	24.90
		36	18	23.03	23.05	23.09	24.90
	DFT-s-OFDM QPSK	1	1	23.14	23.08	23.07	24.90
		1	77	23.07	23.08	23.04	24.90
		36	18	23.10	23.05	23.02	24.90
	DFT-s-OFDM 16QAM	36	18	22.01	22.07	22.10	23.00
		1	0	20.92	20.89	20.83	22.00
		1	78	20.94	20.90	20.85	22.00
	DFT-s-OFDM 64QAM	1	0	20.63	20.67	20.61	21.50
		1	78	20.58	20.70	20.64	21.50
		75	0	20.54	20.61	20.69	21.50
	DFT-s-OFDM 256QAM	1	0	18.45	18.53	18.57	19.50
		1	78	18.36	18.55	18.44	19.50
		75	0	18.61	18.52	18.44	19.50
	CP-OFDM QPSK	39	19	21.35	21.42	21.38	22.50
	CP-OFDM 16QAM	39	19	21.19	21.14	21.08	22.00
	CP-OFDM 64QAM	1	0	19.35	19.29	19.24	20.50
	CP-OFDM 256QAM	1	0	16.55	16.56	16.55	17.50
	Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)		
344000/1720					349000/1745	354000/1770	
20MHz	DFT-s-OFDM BPSK	1	1	23.08	23.05	22.99	24.90
		1	104	23.06	23.09	23.05	24.90
		50	25	23.01	23.04	23.06	24.90
	DFT-s-OFDM QPSK	1	1	23.11	23.03	23.03	24.90
		1	104	23.05	23.04	23.01	24.90
		50	25	23.07	23.00	22.98	24.90
	DFT-s-OFDM 16QAM	50	25	21.98	22.02	22.06	23.00
		1	0	20.71	20.85	20.78	22.00
		1	105	20.90	20.88	20.81	22.00
	DFT-s-OFDM 64QAM	1	0	20.61	20.64	20.59	21.50
		1	105	20.55	20.66	20.61	21.50
		100	0	20.51	20.59	20.66	21.50
	DFT-s-OFDM 256QAM	1	0	18.42	18.48	18.53	19.50
		1	105	18.34	18.51	18.41	19.50



		100	0	18.59	18.48	18.39	19.50
	CP-OFDM QPSK	53	26	21.31	21.40	21.34	22.50
	CP-OFDM 16QAM	53	26	21.13	21.08	21.02	22.00
	CP-OFDM 64QAM	1	0	19.30	19.21	19.17	20.50
	CP-OFDM 256QAM	1	0	16.51	16.52	16.49	17.50

NR n66 Level 1				Conducted Power(dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				342500/1712.5	349000/1745	355500/1777.5	
5MHz	DFT-s-OFDM BPSK	1	1	19.87	19.98	19.81	20.50
		1	23	19.72	20.14	20.06	20.50
		12	6	20.05	20.03	20.12	20.50
	DFT-s-OFDM QPSK	1	1	20.08	20.13	20.08	20.50
		1	23	19.91	20.06	20.07	20.50
		12	6	20.01	19.98	20.03	20.50
	DFT-s-OFDM 16QAM	12	6	18.80	19.09	19.14	19.50
		1	0	17.66	17.63	17.94	18.50
		1	24	17.68	17.53	17.89	18.50
	DFT-s-OFDM 64QAM	1	0	17.32	17.16	17.36	18.00
		1	24	17.28	17.11	17.37	18.00
		25	0	17.60	17.33	17.48	18.00
	DFT-s-OFDM 256QAM	1	0	15.21	15.10	15.07	15.50
		1	24	15.05	15.08	14.93	15.50
		25	0	15.12	14.96	14.95	15.50
	CP-OFDM QPSK	13	6	17.82	18.05	18.15	18.50
CP-OFDM 16QAM	13	6	17.62	17.73	17.67	18.00	
CP-OFDM 64QAM	1	0	15.80	16.01	16.01	16.50	
CP-OFDM 256QAM	1	0	13.38	13.75	13.43	14.00	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				343000/1715	349000/1745	355000/1775	
10MHz	DFT-s-OFDM BPSK	1	1	19.82	19.89	19.75	20.50
		1	50	19.70	20.10	20.02	20.50
		25	12	19.99	19.96	20.04	20.50
	DFT-s-OFDM QPSK	1	1	20.03	20.04	20.01	20.50
		1	50	19.87	19.98	19.99	20.50
		25	12	19.95	19.92	19.96	20.50



	DFT-s-OFDM 16QAM	25	12	18.79	19.01	19.07	19.50
		1	0	17.60	17.56	17.86	18.50
		1	51	17.62	17.50	17.83	18.50
	DFT-s-OFDM 64QAM	1	0	17.27	17.09	17.30	18.00
		1	51	17.23	17.06	17.32	18.00
		50	0	17.53	17.25	17.40	18.00
	DFT-s-OFDM 256QAM	1	0	15.16	15.01	15.00	15.50
		1	51	15.01	15.00	14.85	15.50
		50	0	15.04	14.89	14.87	15.50
	CP-OFDM QPSK	26	13	17.76	18.02	18.09	18.50
CP-OFDM 16QAM	26	13	17.57	17.66	17.61	18.00	
CP-OFDM 64QAM	1	0	15.75	15.96	15.96	16.50	
CP-OFDM 256QAM	1	0	13.31	13.67	13.35	14.00	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				343500/1717.5	349000/1745	354500/1772.5	
15MHz	DFT-s-OFDM BPSK	1	1	19.84	19.94	19.78	20.50
		1	77	19.71	20.10	20.04	20.50
		36	18	20.03	20.02	20.09	20.50
	DFT-s-OFDM QPSK	1	1	20.05	20.08	20.04	20.50
		1	77	19.89	20.02	20.04	20.50
		36	18	19.98	19.93	19.99	20.50
	DFT-s-OFDM 16QAM	36	18	18.77	19.04	19.10	19.50
		1	0	17.66	17.59	17.89	18.50
		1	78	17.64	17.51	17.85	18.50
	DFT-s-OFDM 64QAM	1	0	17.30	17.13	17.34	18.00
		1	78	17.25	17.07	17.34	18.00
		75	0	17.57	17.31	17.45	18.00
	DFT-s-OFDM 256QAM	1	0	15.18	15.05	15.03	15.50
		1	78	15.03	15.04	14.90	15.50
		75	0	15.10	14.92	14.90	15.50
	CP-OFDM QPSK	39	19	17.78	18.03	18.11	18.50
CP-OFDM 16QAM	39	19	17.56	17.67	17.61	18.00	
CP-OFDM 64QAM	1	0	15.75	15.93	15.94	16.50	
CP-OFDM 256QAM	1	0	13.34	13.71	13.37	14.00	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				344000/1720	349000/1745	354000/1770	
20MHz	DFT-s-OFDM	1	1	19.79	19.85	19.72	20.50



	BPSK	1	104	19.69	20.06	20.00	20.50
		50	25	19.97	19.95	20.01	20.50
	DFT-s-OFDM QPSK	1	1	20.00	19.99	19.97	20.50
		1	104	19.85	19.94	19.96	20.50
		50	25	19.92	19.87	19.92	20.50
	DFT-s-OFDM 16QAM	50	25	18.76	18.96	19.03	19.50
		1	0	17.56	17.52	17.81	18.50
		1	105	17.58	17.48	17.79	18.50
	DFT-s-OFDM 64QAM	1	0	17.25	17.06	17.28	18.00
		1	105	17.20	17.02	17.29	18.00
		100	0	17.50	17.23	17.37	18.00
		DFT-s-OFDM 256QAM	1	0	15.13	14.96	14.96
1			105	14.99	14.96	14.82	15.50
100			0	15.02	14.85	14.82	15.50
CP-OFDM QPSK		53	26	17.72	18.00	18.05	18.50
CP-OFDM 16QAM		53	26	17.51	17.60	17.55	18.00
CP-OFDM 64QAM		1	0	15.70	15.88	15.89	16.50
CP-OFDM 256QAM		1	0	13.27	13.63	13.29	14.00

NR n66 Level 4				Conducted Power(dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				342500/1712.5	349000/1745	355500/1777.5	
5MHz	DFT-s-OFDM BPSK	1	1	17.61	17.88	17.38	18.50
		1	23	17.17	17.62	17.57	18.50
		12	6	17.64	17.65	17.97	18.50
	DFT-s-OFDM QPSK	1	1	17.71	17.79	17.88	18.50
		1	23	17.43	17.70	17.91	18.50
		12	6	17.60	17.55	17.83	18.50
	DFT-s-OFDM 16QAM	12	6	16.21	16.75	16.96	17.50
		1	0	15.27	15.03	15.58	16.50
		1	24	15.25	14.81	15.46	16.50
	DFT-s-OFDM 64QAM	1	0	14.87	14.59	14.94	16.00
		1	24	14.83	14.43	14.91	16.00
		25	0	15.22	14.78	15.13	16.00
	DFT-s-OFDM 256QAM	1	0	12.95	12.76	12.67	13.50
		1	24	12.77	12.72	12.57	13.50
		25	0	12.79	12.60	12.59	13.50
	CP-OFDM QPSK	13	6	15.39	15.57	15.72	16.50
CP-OFDM	13	6	15.17	15.33	15.21	16.00	



Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				343000/1715	349000/1745	355000/1775	
	16QAM						
	CP-OFDM 64QAM	1	0	13.33	13.49	13.55	14.50
	CP-OFDM 256QAM	1	0	11.19	11.27	11.25	12.00
10MHz	DFT-s-OFDM BPSK	1	1	17.64	17.90	17.42	18.50
		1	50	17.19	17.66	17.60	18.50
		25	12	17.67	17.70	18.01	18.50
	DFT-s-OFDM QPSK	1	1	17.74	17.84	17.92	18.50
		1	50	17.45	17.74	17.96	18.50
		25	12	17.62	17.57	17.87	18.50
	DFT-s-OFDM 16QAM	25	12	16.21	16.76	16.98	17.50
		1	0	15.30	15.07	15.61	16.50
		1	51	15.28	14.83	15.49	16.50
	DFT-s-OFDM 64QAM	1	0	14.90	14.61	14.98	16.00
		1	51	14.85	14.47	14.94	16.00
		50	0	15.25	14.83	15.17	16.00
	DFT-s-OFDM 256QAM	1	0	12.98	12.81	12.71	13.50
		1	51	12.79	12.76	12.62	13.50
		50	0	12.82	12.60	12.62	13.50
	CP-OFDM QPSK	26	13	15.42	15.55	15.75	16.50
	CP-OFDM 16QAM	26	13	15.16	15.35	15.25	16.00
	CP-OFDM 64QAM	1	0	13.35	13.53	13.54	14.50
	CP-OFDM 256QAM	1	0	11.22	11.32	11.29	12.00
	Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)		
343500/1717.5					349000/1745	354500/1772.5	
15MHz	DFT-s-OFDM BPSK	1	1	17.62	17.85	17.39	18.50
		1	77	17.18	17.66	17.58	18.50
		36	18	17.63	17.64	17.96	18.50
	DFT-s-OFDM QPSK	1	1	17.72	17.80	17.89	18.50
		1	77	17.43	17.70	17.91	18.50
		36	18	17.59	17.56	17.84	18.50
	DFT-s-OFDM 16QAM	36	18	16.23	16.73	16.95	17.50
		1	0	15.24	15.04	15.58	16.50
		1	78	15.26	14.82	15.47	16.50
	DFT-s-OFDM 64QAM	1	0	14.87	14.57	14.94	16.00
		1	78	14.83	14.46	14.92	16.00
		75	0	15.21	14.77	15.12	16.00



Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				344000/1720	349000/1745	354000/1770	
	DFT-s-OFDM 256QAM	1	0	12.96	12.77	12.68	13.50
		1	78	12.77	12.72	12.57	13.50
		75	0	12.76	12.57	12.59	13.50
	CP-OFDM QPSK	39	19	15.40	15.54	15.73	16.50
	CP-OFDM 16QAM	39	19	15.17	15.34	15.25	16.00
	CP-OFDM 64QAM	1	0	13.35	13.56	13.56	14.50
	CP-OFDM 256QAM	1	0	11.19	11.28	11.27	12.00
20MHz	DFT-s-OFDM BPSK	1	1	17.59	17.81	17.36	18.50
		1	104	17.17	17.62	17.56	18.50
		50	25	17.61	17.63	17.93	18.50
	DFT-s-OFDM QPSK	1	1	17.69	17.75	17.85	18.50
		1	104	17.41	17.66	17.88	18.50
		50	25	17.56	17.51	17.80	18.50
	DFT-s-OFDM 16QAM	50	25	16.20	16.68	16.91	17.50
		1	0	15.24	15.00	15.53	16.50
		1	105	15.22	14.80	15.43	16.50
	DFT-s-OFDM 64QAM	1	0	14.85	14.54	14.92	16.00
		1	105	14.80	14.42	14.89	16.00
		100	0	15.18	14.75	15.09	16.00
	DFT-s-OFDM 256QAM	1	0	12.93	12.72	12.64	13.50
		1	105	12.75	12.68	12.54	13.50
		100	0	12.74	12.53	12.54	13.50
	CP-OFDM QPSK	53	26	15.36	15.52	15.69	16.50
	CP-OFDM 16QAM	53	26	15.11	15.28	15.19	16.00
	CP-OFDM 64QAM	1	0	13.30	13.48	13.49	14.50
CP-OFDM 256QAM	1	0	11.15	11.24	11.21	12.00	

NR n66 Level 3				Conducted Power(dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				342500/1712.5	349000/1745	355500/1777.5	
5MHz	DFT-s-OFDM BPSK	1	1	23.10	23.12	23.01	23.50
		1	23	23.06	23.09	23.06	23.50
		12	6	23.04	23.06	23.10	23.50
	DFT-s-OFDM	1	1	23.13	23.07	23.06	23.50



	QPSK	1	23	23.07	23.08	23.04	23.50
		12	6	23.11	23.04	23.01	23.50
	DFT-s-OFDM 16QAM	12	6	21.99	22.09	22.11	23.00
		1	0	20.95	20.88	20.83	22.00
		1	24	20.93	20.89	20.84	22.00
	DFT-s-OFDM 64QAM	1	0	20.63	20.69	20.61	21.50
		1	24	20.58	20.67	20.63	21.50
		25	0	20.55	20.62	20.70	21.50
	DFT-s-OFDM 256QAM	1	0	18.44	18.52	18.56	19.50
		1	24	18.36	18.55	18.44	19.50
		25	0	18.64	18.55	18.44	19.50
	CP-OFDM QPSK	13	6	21.34	21.45	21.37	22.50
CP-OFDM 16QAM	13	6	21.19	21.13	21.04	22.00	
CP-OFDM 64QAM	1	0	19.33	19.22	19.23	20.50	
CP-OFDM 256QAM	1	0	16.55	16.55	16.53	17.50	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				343000/1715	349000/1745	355000/1775	
10MHz	DFT-s-OFDM BPSK	1	1	23.12	23.13	23.04	23.50
		1	50	23.09	23.14	23.10	23.50
		25	12	23.06	23.10	23.13	23.50
	DFT-s-OFDM QPSK	1	1	23.16	23.12	23.10	23.50
		1	50	23.10	23.13	23.08	23.50
		25	12	23.13	23.08	23.06	23.50
	DFT-s-OFDM 16QAM	25	12	22.03	22.11	22.15	23.00
		1	0	20.97	20.91	20.85	22.00
		1	51	20.96	20.93	20.87	22.00
	DFT-s-OFDM 64QAM	1	0	20.66	20.71	20.64	21.50
		1	51	20.61	20.72	20.67	21.50
		50	0	20.57	20.66	20.73	21.50
	DFT-s-OFDM 256QAM	1	0	18.47	18.57	18.60	19.50
		1	51	18.39	18.60	18.48	19.50
		50	0	18.66	18.54	18.46	19.50
	CP-OFDM QPSK	26	13	21.37	21.45	21.40	22.50
	CP-OFDM 16QAM	26	13	21.18	21.15	21.07	22.00
	CP-OFDM 64QAM	1	0	19.36	19.27	19.23	20.50
CP-OFDM	1	0	16.57	16.59	16.56	17.50	



Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				343500/1717.5	349000/1745	354500/1772.5	
				256QAM			
15MHz	DFT-s-OFDM BPSK	1	1	23.11	23.09	23.02	23.50
		1	77	23.07	23.13	23.07	23.50
		36	18	23.03	23.05	23.09	23.50
	DFT-s-OFDM QPSK	1	1	23.14	23.08	23.07	23.50
		1	77	23.07	23.08	23.04	23.50
		36	18	23.10	23.05	23.02	23.50
	DFT-s-OFDM 16QAM	36	18	22.01	22.07	22.10	23.00
		1	0	20.92	20.89	20.83	22.00
		1	78	20.94	20.90	20.85	22.00
	DFT-s-OFDM 64QAM	1	0	20.63	20.67	20.61	21.50
		1	78	20.58	20.70	20.64	21.50
		75	0	20.54	20.61	20.69	21.50
	DFT-s-OFDM 256QAM	1	0	18.45	18.53	18.57	19.50
		1	78	18.36	18.55	18.44	19.50
		75	0	18.61	18.52	18.44	19.50
	CP-OFDM QPSK	39	19	21.35	21.42	21.38	22.50
	CP-OFDM 16QAM	39	19	21.19	21.14	21.08	22.00
	CP-OFDM 64QAM	1	0	19.35	19.29	19.24	20.50
CP-OFDM 256QAM	1	0	16.55	16.56	16.55	17.50	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				344000/1720	349000/1745	354000/1770	
				256QAM			
20MHz	DFT-s-OFDM BPSK	1	1	23.08	23.05	22.99	23.50
		1	104	23.06	23.09	23.05	23.50
		50	25	23.01	23.04	23.06	23.50
	DFT-s-OFDM QPSK	1	1	23.11	23.03	23.03	23.50
		1	104	23.05	23.04	23.01	23.50
		50	25	23.07	23.00	22.98	23.50
	DFT-s-OFDM 16QAM	50	25	21.98	22.02	22.06	23.00
		1	0	20.71	20.85	20.78	22.00
		1	105	20.90	20.88	20.81	22.00
	DFT-s-OFDM 64QAM	1	0	20.61	20.64	20.59	21.50
		1	105	20.55	20.66	20.61	21.50
		100	0	20.51	20.59	20.66	21.50
	DFT-s-OFDM 256QAM	1	0	18.42	18.48	18.53	19.50
		1	105	18.34	18.51	18.41	19.50
		100	0	18.59	18.48	18.39	19.50



	CP-OFDM QPSK	53	26	21.31	21.40	21.34	22.50
	CP-OFDM 16QAM	53	26	21.13	21.08	21.02	22.00
	CP-OFDM 64QAM	1	0	19.30	19.21	19.17	20.50
	CP-OFDM 256QAM	1	0	16.51	16.52	16.49	17.50

NR n66 Level 5				Conducted Power(dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				342500/1712.5	349000/1745	355500/1777.5	
5MHz	DFT-s-OFDM BPSK	1	1	22.05	22.11	21.98	23.00
		1	23	21.97	22.07	22.01	23.00
		12	6	21.99	21.97	22.03	23.00
	DFT-s-OFDM QPSK	1	1	22.06	22.02	22.00	23.00
		1	23	21.92	21.98	21.98	23.00
		12	6	21.98	21.92	21.96	23.00
	DFT-s-OFDM 16QAM	12	6	20.83	20.97	21.05	22.00
		1	0	19.89	19.78	19.80	21.00
		1	24	19.88	19.77	19.79	21.00
	DFT-s-OFDM 64QAM	1	0	19.55	19.60	19.54	20.50
		1	24	19.51	19.60	19.57	20.50
		25	0	19.52	19.55	19.66	20.50
	DFT-s-OFDM 256QAM	1	0	17.43	17.53	17.53	18.50
		1	24	17.30	17.51	17.38	18.50
		25	0	17.58	17.41	17.38	18.50
	CP-OFDM QPSK	13	6	20.29	20.32	20.35	21.50
	CP-OFDM 16QAM	13	6	20.11	20.10	20.04	21.00
	CP-OFDM 64QAM	1	0	18.28	18.22	18.20	19.50
CP-OFDM 256QAM	1	0	15.56	15.59	15.58	16.50	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				343000/1715	349000/1745	355000/1775	
10MHz	DFT-s-OFDM BPSK	1	1	22.06	22.12	21.99	23.00
		1	50	21.96	22.06	22.00	23.00
		25	12	22.00	21.98	22.04	23.00
	DFT-s-OFDM QPSK	1	1	22.06	22.02	22.00	23.00
		1	50	21.91	21.97	21.99	23.00



		25	12	21.98	21.90	21.95	23.00
	DFT-s-OFDM 16QAM	25	12	20.79	20.96	21.03	22.00
		1	0	19.90	19.79	19.81	21.00
		1	51	19.88	19.75	19.79	21.00
	DFT-s-OFDM 64QAM	1	0	19.55	19.60	19.55	20.50
		1	51	19.50	19.59	19.56	20.50
		50	0	19.53	19.56	19.67	20.50
	DFT-s-OFDM 256QAM	1	0	17.43	17.53	17.53	18.50
		1	51	17.29	17.50	17.39	18.50
		50	0	17.59	17.42	17.39	18.50
	CP-OFDM QPSK	26	13	20.29	20.30	20.35	21.50
CP-OFDM 16QAM	26	13	20.11	20.10	20.05	21.00	
CP-OFDM 64QAM	1	0	18.27	18.21	18.19	19.50	
CP-OFDM 256QAM	1	0	15.57	15.60	15.59	16.50	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				343500/1717.5	349000/1745	354500/1772.5	
15MHz	DFT-s-OFDM BPSK	1	1	22.04	22.07	21.96	23.00
		1	77	21.95	22.06	21.98	23.00
		36	18	21.96	21.92	21.99	23.00
	DFT-s-OFDM QPSK	1	1	22.04	21.98	21.97	23.00
		1	77	21.89	21.93	21.94	23.00
		36	18	21.95	21.89	21.92	23.00
	DFT-s-OFDM 16QAM	36	18	20.81	20.93	21.00	22.00
		1	0	19.84	19.76	19.78	21.00
		1	78	19.86	19.74	19.77	21.00
	DFT-s-OFDM 64QAM	1	0	19.52	19.56	19.51	20.50
		1	78	19.48	19.58	19.54	20.50
		75	0	19.49	19.50	19.62	20.50
	DFT-s-OFDM 256QAM	1	0	17.41	17.49	17.50	18.50
		1	78	17.27	17.46	17.34	18.50
		75	0	17.53	17.39	17.36	18.50
CP-OFDM QPSK	39	19	20.27	20.29	20.33	21.50	
CP-OFDM 16QAM	39	19	20.12	20.09	20.05	21.00	
CP-OFDM 64QAM	1	0	18.27	18.24	18.21	19.50	
CP-OFDM 256QAM	1	0	15.54	15.56	15.57	16.50	



Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				344000/1720	349000/1745	354000/1770	
20MHz	DFT-s-OFDM BPSK	1	1	22.01	22.03	21.93	23.00
		1	104	21.94	22.02	21.96	23.00
		50	25	21.94	21.91	21.96	23.00
	DFT-s-OFDM QPSK	1	1	22.01	21.93	21.93	23.00
		1	104	21.87	21.89	21.91	23.00
		50	25	21.92	21.84	21.88	23.00
	DFT-s-OFDM 16QAM	50	25	20.78	20.88	20.96	22.00
		1	0	19.80	19.72	19.73	21.00
		1	105	19.82	19.72	19.73	21.00
	DFT-s-OFDM 64QAM	1	0	19.50	19.53	19.49	20.50
		1	105	19.45	19.54	19.51	20.50
		100	0	19.46	19.48	19.59	20.50
	DFT-s-OFDM 256QAM	1	0	17.38	17.44	17.46	18.50
		1	105	17.25	17.42	17.31	18.50
		100	0	17.51	17.35	17.31	18.50
	CP-OFDM QPSK	53	26	20.23	20.27	20.29	21.50
	CP-OFDM 16QAM	53	26	20.06	20.03	19.99	21.00
	CP-OFDM 64QAM	1	0	18.22	18.16	18.14	19.50
CP-OFDM 256QAM	1	0	15.50	15.52	15.51	16.50	



Ant 6

NR n71 Full Power&Level 2&Level 3&Level 5				Conducted Power(dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				133100/665.5	136100/680.5	139100/695.5	
5MHz	DFT-s-OFDM BPSK	1	1	23.31	23.27	23.34	25.00
		1	23	23.25	23.18	23.25	25.00
		12	6	23.34	23.28	23.29	25.00
	DFT-s-OFDM QPSK	1	1	23.34	23.28	23.36	25.00
		1	23	23.32	23.26	23.28	25.00
		12	6	23.33	23.35	23.31	25.00
	DFT-s-OFDM 16QAM	12	6	22.32	22.35	22.35	23.00
		1	0	21.47	21.46	21.44	22.00
		1	24	21.45	21.39	21.34	22.00
	DFT-s-OFDM 64QAM	1	0	20.98	20.97	20.92	21.50
		1	24	20.77	20.84	20.81	21.50
		25	0	20.85	20.90	20.86	21.50
	DFT-s-OFDM 256QAM	1	0	18.71	18.75	18.82	19.50
		1	24	18.73	18.83	18.75	19.50
		25	0	18.99	18.92	18.98	19.50
CP-OFDM QPSK	13	6	21.89	21.87	21.88	22.50	
CP-OFDM 16QAM	13	6	21.27	21.33	21.32	22.00	
CP-OFDM 64QAM	1	0	19.82	19.86	19.97	20.50	
CP-OFDM 256QAM	1	0	16.81	16.83	16.89	17.50	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				133600/668	136100/680.5	138600/693	
10MHz	DFT-s-OFDM BPSK	1	1	23.33	23.28	23.37	25.00
		1	50	23.28	23.23	23.29	25.00
		25	12	23.36	23.32	23.32	25.00
	DFT-s-OFDM QPSK	1	1	23.37	23.33	23.40	25.00
		1	50	23.35	23.31	23.32	25.00
		25	12	23.35	23.39	23.36	25.00
	DFT-s-OFDM 16QAM	25	12	22.36	22.37	22.39	23.00
		1	0	21.49	21.49	21.46	22.00
		1	51	21.48	21.43	21.37	22.00
	DFT-s-OFDM 64QAM	1	0	21.01	20.99	20.95	21.50
		1	51	20.80	20.89	20.85	21.50
		50	0	20.87	20.94	20.89	21.50
	DFT-s-OFDM 256QAM	1	0	18.74	18.80	18.86	19.50
		1	51	18.76	18.88	18.79	19.50



Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				134100/670.5	136100/680.5	138100/690.5	
		50	0	19.01	18.91	19.00	19.50
	CP-OFDM QPSK	26	13	21.92	21.87	21.91	22.50
	CP-OFDM 16QAM	26	13	21.26	21.35	21.35	22.00
	CP-OFDM 64QAM	1	0	19.85	19.91	19.97	20.50
	CP-OFDM 256QAM	1	0	16.83	16.87	16.92	17.50
15MHz	DFT-s-OFDM BPSK	1	1	23.32	23.24	23.35	25.00
		1	77	23.26	23.22	23.26	25.00
		36	18	23.33	23.27	23.28	25.00
	DFT-s-OFDM QPSK	1	1	23.35	23.29	23.37	25.00
		1	77	23.32	23.26	23.28	25.00
		36	18	23.32	23.36	23.32	25.00
	DFT-s-OFDM 16QAM	36	18	22.34	22.33	22.34	23.00
		1	0	21.44	21.47	21.44	22.00
		1	78	21.46	21.40	21.35	22.00
	DFT-s-OFDM 64QAM	1	0	20.98	20.95	20.92	21.50
		1	78	20.77	20.87	20.82	21.50
		75	0	20.84	20.89	20.85	21.50
	DFT-s-OFDM 256QAM	1	0	18.72	18.76	18.83	19.50
		1	78	18.73	18.83	18.75	19.50
		75	0	18.96	18.89	18.98	19.50
	CP-OFDM QPSK	39	19	21.90	21.84	21.89	22.50
	CP-OFDM 16QAM	39	19	21.27	21.34	21.36	22.00
	CP-OFDM 64QAM	1	0	19.84	19.93	19.98	20.50
	CP-OFDM 256QAM	1	0	16.81	16.84	16.91	17.50
	Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)		
134600/673					136100/680.5	137600/688	
20MHz	DFT-s-OFDM BPSK	1	1	23.29	23.20	23.32	25.00
		1	104	23.25	23.18	23.24	25.00
		50	25	23.31	23.26	23.25	25.00
	DFT-s-OFDM QPSK	1	1	23.32	23.24	23.33	25.00
		1	104	23.30	23.22	23.25	25.00
		50	25	23.29	23.31	23.28	25.00
	DFT-s-OFDM 16QAM	50	25	22.31	22.28	22.30	23.00
		1	0	21.48	21.43	21.39	22.00
		1	105	21.42	21.38	21.31	22.00



	DFT-s-OFDM 64QAM	1	0	20.96	20.92	20.90	21.50
		1	105	20.74	20.83	20.79	21.50
		100	0	20.81	20.87	20.82	21.50
	DFT-s-OFDM 256QAM	1	0	18.69	18.71	18.79	19.50
		1	105	18.71	18.79	18.72	19.50
		100	0	18.94	18.85	18.93	19.50
	CP-OFDM QPSK	53	26	21.86	21.82	21.85	22.50
	CP-OFDM 16QAM	53	26	21.21	21.28	21.30	22.00
	CP-OFDM 64QAM	1	0	19.79	19.85	19.91	20.50
	CP-OFDM 256QAM	1	0	16.77	16.80	16.85	17.50

NR n71 Level 1&Level 4				Conducted Power(dBm)			Tune-up
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			
				133100/665.5	136100/680.5	139100/695.5	
5MHz	DFT-s-OFDM BPSK	1	1	22.06	21.91	22.11	23.50
		1	23	21.92	21.79	21.97	23.50
		12	6	22.05	21.78	21.99	23.50
	DFT-s-OFDM QPSK	1	1	22.16	22.01	22.07	23.50
		1	23	22.04	21.92	21.99	23.50
		12	6	22.09	22.16	22.02	23.50
	DFT-s-OFDM 16QAM	12	6	20.88	21.03	21.07	22.50
		1	0	20.31	20.17	20.23	21.50
		1	24	20.33	20.03	20.09	21.50
	DFT-s-OFDM 64QAM	1	0	19.65	19.35	19.48	21.00
		1	24	19.45	19.35	19.51	21.00
		25	0	19.43	19.27	19.41	21.00
	DFT-s-OFDM 256QAM	1	0	17.30	17.25	17.38	19.00
		1	24	17.25	17.29	17.33	19.00
		25	0	17.53	17.27	17.53	19.00
	CP-OFDM QPSK	13	6	20.45	20.18	20.45	22.00
	CP-OFDM 16QAM	13	6	19.95	19.77	19.80	21.50
	CP-OFDM 64QAM	1	0	18.54	18.47	18.57	20.00
CP-OFDM 256QAM	1	0	15.60	15.49	15.58	17.00	
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
10MHz	DFT-s-OFDM	1	1	133600/668	136100/680.5	138600/693	



	BPSK	1	50	21.91	21.75	21.95	23.50
		25	12	22.03	21.77	21.96	23.50
	DFT-s-OFDM QPSK	1	1	22.13	21.96	22.03	23.50
		1	50	22.02	21.88	21.96	23.50
		25	12	22.06	22.11	21.98	23.50
	DFT-s-OFDM 16QAM	25	12	20.85	20.98	21.03	22.50
		1	0	20.31	20.13	20.18	21.50
		1	51	20.29	20.01	20.05	21.50
	DFT-s-OFDM 64QAM	1	0	19.63	19.32	19.46	21.00
		1	51	19.42	19.31	19.48	21.00
		50	0	19.40	19.25	19.38	21.00
		DFT-s-OFDM 256QAM	1	0	17.27	17.20	17.34
1			51	17.23	17.25	17.30	19.00
50			0	17.51	17.23	17.48	19.00
CP-OFDM QPSK		26	13	20.41	20.16	20.41	22.00
CP-OFDM 16QAM		26	13	19.89	19.71	19.74	21.50
CP-OFDM 64QAM		1	0	18.49	18.39	18.50	20.00
CP-OFDM 256QAM		1	0	15.56	15.45	15.52	17.00
Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				134100/670.5	136100/680.5	138100/690.5	
15MHz	DFT-s-OFDM BPSK	1	1	22.01	21.82	22.05	23.50
		1	77	21.90	21.75	21.93	23.50
		36	18	21.99	21.71	21.91	23.50
	DFT-s-OFDM QPSK	1	1	22.11	21.92	22.00	23.50
		1	77	22.00	21.84	21.91	23.50
		36	18	22.03	22.10	21.95	23.50
	DFT-s-OFDM 16QAM	36	18	20.87	20.95	21.00	22.50
		1	0	20.25	20.10	20.15	21.50
		1	78	20.27	20.00	20.03	21.50
	DFT-s-OFDM 64QAM	1	0	19.60	19.28	19.42	21.00
		1	78	19.40	19.30	19.46	21.00
		75	0	19.36	19.19	19.33	21.00
	DFT-s-OFDM 256QAM	1	0	17.25	17.16	17.31	19.00
		1	78	17.21	17.21	17.25	19.00
		75	0	17.45	17.20	17.45	19.00
	CP-OFDM QPSK	39	19	20.39	20.15	20.39	22.00
	CP-OFDM 16QAM	39	19	19.90	19.70	19.74	21.50
	CP-OFDM 64QAM	1	0	18.49	18.42	18.52	20.00



Bandwidth	Modulation	RB allocation	offset	Channel/Frequency(MHz)			Tune-up
				134600/673	136100/680.5	137600/688	
				CP-OFDM 256QAM	1	0	
20MHz	DFT-s-OFDM BPSK	1	1	21.98	21.78	22.02	23.50
		1	104	21.89	21.71	21.91	23.50
		50	25	21.97	21.70	21.88	23.50
	DFT-s-OFDM QPSK	1	1	22.08	21.87	21.96	23.50
		1	104	21.98	21.80	21.88	23.50
		50	25	22.00	22.05	21.91	23.50
	DFT-s-OFDM 16QAM	50	25	20.84	20.90	20.96	22.50
		1	0	20.05	20.06	20.10	21.50
		1	105	20.23	19.98	19.99	21.50
	DFT-s-OFDM 64QAM	1	0	19.58	19.25	19.40	21.00
		1	105	19.37	19.26	19.43	21.00
		100	0	19.33	19.17	19.30	21.00
	DFT-s-OFDM 256QAM	1	0	17.22	17.11	17.27	19.00
		1	105	17.19	17.17	17.22	19.00
		100	0	17.43	17.16	17.40	19.00
	CP-OFDM QPSK	53	26	20.35	20.13	20.35	22.00
	CP-OFDM 16QAM	53	26	19.84	19.64	19.68	21.50
	CP-OFDM 64QAM	1	0	18.44	18.34	18.45	20.00
	CP-OFDM 256QAM	1	0	15.49	15.37	15.44	17.00

1.6 WLAN Mode

Wi-Fi 2.4GHz Ant 8	Channel /Frequency(MHz)	Average Conducted Power (dBm)	
		Tune-up	Meas.
Full Power& Level 1&Level 2 &Level 3			
802.11b (1M)	1/2412	18.50	17.35
	6/2437	18.50	17.40
	11/2462	18.50	17.34
802.11g (6M)	1/2412	17.00	15.25
	6/2437	17.00	15.31
	11/2462	17.00	15.18
802.11n-HT20 (MCS0)	1/2412	16.50	14.62
	6/2437	16.50	14.66
	11/2462	16.50	14.51
802.11n-HT40 (MCS0)	3/2422	15.50	13.92
	6/2437	15.50	14.50
	9/2452	15.50	14.68

Note: Initial test configuration is 802.11b mode, since the highest maximum output power.

Wi-Fi 2.4GHz Ant 9	Channel /Frequency(MHz)	Average Conducted Power (dBm)	
		Tune-up	Meas.
Full Power& Level 1&Level 2 &Level 3			
802.11b (1M)	1/2412	18.50	17.46
	6/2437	18.50	15.77
	11/2462	18.50	16.44
802.11g (6M)	1/2412	17.00	15.78
	6/2437	17.00	14.03
	11/2462	17.00	14.75
802.11n-HT20 (MCS0)	1/2412	16.50	15.09
	6/2437	16.50	13.32
	11/2462	16.50	14.16
802.11n-HT40 (MCS0)	3/2422	15.50	13.66
	6/2437	15.50	14.04
	9/2452	15.50	12.93

Note: Initial test configuration is 802.11b mode, since the highest maximum output power.

Wi-Fi 2.4GHz MIMO	Channel /Frequency(MHz)	Average Conducted Power (dBm)				
		Tune-up	Meas.	Ant8	Ant9	
Full Power&Level 2						
	802.11b (1M)	1/2412	20.50	19.50	16.37	16.61
		6/2437	20.50	18.61	16.23	14.87
		11/2462	20.50	19.14	16.48	15.74
802.11g (6M)		1/2412	19.50	17.93	14.81	15.03
		6/2437	19.50	17.08	14.78	13.23
		11/2462	19.50	17.41	14.73	14.05
802.11n-HT20 (MCS0)		1/2412	19.00	17.15	14.13	14.14
		6/2437	19.00	16.80	14.08	13.48
		11/2462	19.00	16.91	14.29	13.46
802.11n-HT40 (MCS0)		3/2422	18.00	16.74	13.79	13.66
		6/2437	18.00	16.74	13.40	14.04
		9/2452	18.00	16.45	13.90	12.93

Note: Initial test configuration is 802.11b mode, since the highest maximum output power.

Wi-Fi 2.4GHz MIMO	Channel /Frequency(MHz)	Average Conducted Power (dBm)				
		Tune-up	Meas.	Ant8	Ant9	
Level 1						
802.11b (1M)		1/2412	14.50	14.14	11.01	11.24
		6/2437	14.50	13.39	10.80	9.92
		11/2462	14.50	13.79	11.15	10.38
802.11g (6M)		1/2412	14.00	13.57	10.46	10.66
		6/2437	14.00	12.70	10.41	8.83
		11/2462	14.00	13.08	10.41	9.70
802.11n-HT20 (MCS0)		1/2412	14.00	13.21	10.20	10.19
		6/2437	14.00	13.07	10.48	9.60
		11/2462	14.00	13.08	10.47	9.62
802.11n-HT40 (MCS0)		3/2422	14.00	13.37	10.44	10.28
		6/2437	14.00	13.39	10.06	10.67
		9/2452	14.00	13.14	10.60	9.60

Note: Initial test configuration is 802.11b mode, since the highest maximum output power.

Wi-Fi 2.4GHz MIMO	Channel /Frequency(MHz)	Average Conducted Power (dBm)			
		Tune-up	Meas.	Ant8	Ant9
Level 3					
802.11b (1M)	1/2412	19.00	18.58	15.53	15.60
	6/2437	19.00	18.03	15.72	14.19
	11/2462	19.00	18.36	15.55	15.15
802.11g (6M)	1/2412	19.00	17.93	14.81	15.03
	6/2437	19.00	17.08	14.78	13.23
	11/2462	19.00	17.41	14.73	14.05
802.11n-HT20 (MCS0)	1/2412	18.50	17.15	14.13	14.14
	6/2437	18.50	16.80	14.08	13.48
	11/2462	18.50	16.91	14.29	13.46
802.11n-HT40 (MCS0)	3/2422	18.00	16.74	13.79	13.66
	6/2437	18.00	16.74	13.40	14.04
	9/2452	18.00	16.45	13.90	12.93

Note: Initial test configuration is 802.11b mode, since the highest maximum output power.

Wi-Fi 5GHz Ant 9	Band	Channel /Frequency(MHz)	Average Conducted Power (dBm)	
			Tune-up	Meas.
Full Power & Level 2 & Level 3				
802.11a (6M)	U-NII-1	36/5180	17.50	16.34
		40/5200	17.50	16.31
		44/5220	17.50	16.27
		48/5240	17.50	16.30
802.11n-HT20 (MCS0)	U-NII-1	36/5180	17.50	16.22
		40/5200	17.50	16.24
		44/5220	17.50	16.06
		48/5240	17.50	16.17
802.11n-HT40 (MCS0)	U-NII-1	38/5190	17.00	15.62
		46/5230	17.00	15.60
802.11ac-VHT20 (MCS0)	U-NII-1	36/5180	17.00	15.76
		40/5200	17.00	15.63
		44/5220	17.00	15.60
		48/5240	17.00	15.60
802.11ac-VHT40 (MCS0)	U-NII-1	38/5190	16.50	15.14
		46/5230	16.50	14.90
802.11ac-VHT80 (MCS0)	U-NII-1	42/5210	15.50	14.12

Note: Initial test configuration is 802.11a mode, since the highest maximum output power.

Wi-Fi 5GHz Ant 9 Level 1	Band	Channel /Frequency(MHz)	Average Conducted Power (dBm)	
			Tune-up	Meas.
802.11a (6M)	U-NII-1	36/5180	17.50	16.34
		40/5200	17.50	16.31
		44/5220	17.50	16.27
		48/5240	17.50	16.30
802.11n-HT20 (MCS0)	U-NII-1	36/5180	17.50	16.22
		40/5200	17.50	16.24
		44/5220	17.50	16.06
		48/5240	17.50	16.17
802.11n-HT40 (MCS0)	U-NII-1	38/5190	17.00	15.62
		46/5230	17.00	15.60
802.11ac-VHT20 (MCS0)	U-NII-1	36/5180	17.00	15.76
		40/5200	17.00	15.63
		44/5220	17.00	15.60
		48/5240	17.00	15.60
802.11ac-VHT40 (MCS0)	U-NII-1	38/5190	16.50	15.14
		46/5230	16.50	14.90
802.11ac-VHT80 (MCS0)	U-NII-1	42/5210	15.50	14.12

Note: Initial test configuration is 802.11a mode, since the highest maximum output power.

Wi-Fi 5GHz Ant 9 Full Power & Level 2 & Level 3	Band	Channel /Frequency(MHz)	Average Conducted Power (dBm)	
			Tune-up	Meas.
802.11a (6M)	U-NII-2A	52/5260	17.50	16.17
		56/5280	17.50	16.27
		60/5300	17.50	16.35
		64/5320	17.50	16.68
802.11n-HT20 (MCS0)	U-NII-2A	52/5260	17.50	15.99
		56/5280	17.50	16.13
		60/5300	17.50	16.19
		64/5320	17.50	16.52
802.11n-HT40 (MCS0)	U-NII-2A	54/5270	17.00	15.70
		62/5310	17.00	15.84
802.11ac-VHT20 (MCS0)	U-NII-2A	52/5260	17.00	15.61
		56/5280	17.00	15.73
		60/5300	17.00	15.82
		64/5320	17.00	16.05
802.11ac-VHT40 (MCS0)	U-NII-2A	54/5270	16.50	15.02
		62/5310	16.50	15.07
802.11ac-VHT80 (MCS0)	U-NII-2A	58/5290	15.50	14.08

Note: Initial test configuration is 802.11a mode, since the highest maximum output power.

Wi-Fi 5GHz Ant 9 Level 1	Band	Channel /Frequency(MHz)	Average Conducted Power (dBm)	
			Tune-up	Meas.
802.11a (6M)	U-NII-2A	52/5260	17.50	16.17
		56/5280	17.50	16.27
		60/5300	17.50	16.35
		64/5320	17.50	16.68
802.11n-HT20 (MCS0)	U-NII-2A	52/5260	17.50	15.99
		56/5280	17.50	16.13
		60/5300	17.50	16.19
		64/5320	17.50	16.52
802.11n-HT40 (MCS0)	U-NII-2A	54/5270	17.00	15.70
		62/5310	17.00	15.84
802.11ac-VHT20 (MCS0)	U-NII-2A	52/5260	17.00	15.61
		56/5280	17.00	15.73



		60/5300	17.00	15.82
		64/5320	17.00	16.05
802.11ac-VHT40 (MCS0)	U-NII-2A	54/5270	16.50	15.02
		62/5310	16.50	15.07
802.11ac-VHT80 (MCS0)	U-NII-2A	58/5290	15.50	14.08

Note: Initial test configuration is 802.11a mode, since the highest maximum output power.

Wi-Fi 5GHz Ant 9 Full Power & Level 2 & Level 3	Band	Channel /Frequency (MHz)	Average Conducted Power (dBm)	
			Tune-up	Meas.
802.11a (6M)	U-NII-2C	100/5500	17.50	16.34
		116/5580	17.50	16.43
		132/5660	17.50	16.56
		140/5700	17.50	16.84
802.11n-HT20 (MCS0)	U-NII-2C	100/5500	17.50	16.15
		116/5580	17.50	16.21
		132/5660	17.50	16.24
		140/5700	17.50	16.69
802.11n-HT40 (MCS0)	U-NII-2C	102/5510	17.00	15.60
		110/5550	17.00	15.48
		118/5590	17.00	15.73
		134/5670	17.00	15.92
802.11ac-VHT20 (MCS0)	U-NII-2C	100/5500	17.00	15.66
		116/5580	17.00	15.72
		132/5660	17.00	15.90
		140/5700	17.00	16.30
802.11ac-VHT40 (MCS0)	U-NII-2C	102/5510	16.50	15.05
		110/5550	16.50	14.84
		118/5590	16.50	15.24
		134/5670	16.50	15.27
802.11ac-VHT80 (MCS0)	U-NII-2C	106/5530	15.50	13.77
		122/5610	15.50	14.02

Note: Initial test configuration is 802.11a mode, since the highest maximum output power.

Wi-Fi 5GHz Ant 9 Level 1	Band	Channel /Frequency(MHz)	Average Conducted Power (dBm)	
			Tune-up	Meas.
802.11a (6M)	U-NII-2C	100/5500	17.50	16.34
		116/5580	17.50	16.43
		132/5660	17.50	16.56
		140/5700	17.50	16.84
802.11n-HT20 (MCS0)	U-NII-2C	100/5500	17.50	16.15
		116/5580	17.50	16.21
		132/5660	17.50	16.24
		140/5700	17.50	16.69
802.11n-HT40 (MCS0)	U-NII-2C	102/5510	17.00	15.60
		110/5550	17.00	15.48
		118/5590	17.00	15.73
		134/5670	17.00	15.92
802.11ac-VHT20 (MCS0)	U-NII-2C	100/5500	17.00	15.66
		116/5580	17.00	15.72
		132/5660	17.00	15.90
		140/5700	17.00	16.30
802.11ac-VHT40 (MCS0)	U-NII-2C	102/5510	16.50	15.05
		110/5550	16.50	14.84
		118/5590	16.50	15.24
		134/5670	16.50	15.27
802.11ac-VHT80 (MCS0)	U-NII-2C	106/5530	15.50	13.77
		122/5610	15.50	14.02

Note: Initial test configuration is 802.11a mode, since the highest maximum output power.



Wi-Fi 5GHz Ant 9 Full Power & Level 2 & Level 3	Band	Channel /Frequency(MHz)	Average Conducted Power (dBm)	
			Tune-up	Meas.
802.11a (6M)	U-NII-3	149/5745	17.50	16.69
		157/5785	17.50	16.66
		165/5825	17.50	16.62
802.11n-HT20 (MCS0)	U-NII-3	149/5745	17.50	16.56
		157/5785	17.50	16.49
		165/5825	17.50	16.45
802.11n-HT40 (MCS0)	U-NII-3	151/5755	17.00	16.25
		159/5795	17.00	16.17
802.11ac-VHT20 (MCS0)	U-NII-3	149/5745	17.00	16.26
		157/5785	17.00	16.28
		165/5825	17.00	16.06
802.11ac-VHT40 (MCS0)	U-NII-3	151/5755	16.50	15.46
		159/5795	16.50	15.50
802.11ac-VHT80 (MCS0)	U-NII-3	155/5775	15.50	14.40

Note: Initial test configuration is 802.11a mode, since the highest maximum output power.

Wi-Fi 5GHz Ant 9 Level 1	Band	Channel /Frequency(MHz)	Average Conducted Power (dBm)	
			Tune-up	Meas.
802.11a (6M)	U-NII-3	149/5745	15.50	14.85
		157/5785	15.50	14.73
		165/5825	15.50	14.77
802.11n-HT20 (MCS0)	U-NII-3	149/5745	15.00	14.25
		157/5785	15.00	14.01
		165/5825	15.00	14.01
802.11n-HT40 (MCS0)	U-NII-3	151/5755	15.00	14.19
		159/5795	15.00	14.32
802.11ac-VHT20 (MCS0)	U-NII-3	149/5745	15.00	14.30
		157/5785	15.00	14.17
		165/5825	15.00	14.11
802.11ac-VHT40 (MCS0)	U-NII-3	151/5755	15.00	14.05
		159/5795	15.00	14.17
802.11ac-VHT80 (MCS0)	U-NII-3	155/5775	15.00	14.05

Note: Initial test configuration is 802.11a mode, since the highest maximum output power.



Wi-Fi 5GHz Ant 10 Full Power & Level 2 & Level 3	Band	Channel /Frequency(MHz)	Average Conducted Power (dBm)	
			Tune-up	Meas.
802.11a (6M)	U-NII-1	36/5180	17.50	16.12
		40/5200	17.50	16.33
		44/5220	17.50	15.90
		48/5240	17.50	15.88
802.11n-HT20 (MCS0)	U-NII-1	36/5180	17.50	15.94
		40/5200	17.50	15.98
		44/5220	17.50	15.67
		48/5240	17.50	15.64
802.11n-HT40 (MCS0)	U-NII-1	38/5190	17.00	15.03
		46/5230	17.00	15.11
802.11ac-VHT20 (MCS0)	U-NII-1	36/5180	17.00	15.06
		40/5200	17.00	15.38
		44/5220	17.00	15.22
		48/5240	17.00	15.26
802.11ac-VHT40 (MCS0)	U-NII-1	38/5190	16.50	14.78
		46/5230	16.50	14.83
802.11ac-VHT80 (MCS0)	U-NII-1	42/5210	15.50	14.04

Note: Initial test configuration is 802.11a mode, since the highest maximum output power.

Wi-Fi 5GHz Ant10	Band	Channel /Frequency(MHz)	Average Conducted Power (dBm)	
			Tune-up	Meas.
Level 1				
802.11a (6M)	U-NII-1	36/5180	17.50	16.12
		40/5200	17.50	16.33
		44/5220	17.50	15.90
		48/5240	17.50	15.88
802.11n-HT20 (MCS0)	U-NII-1	36/5180	17.50	15.94
		40/5200	17.50	15.98
		44/5220	17.50	15.67
		48/5240	17.50	15.64
802.11n-HT40 (MCS0)	U-NII-1	38/5190	17.00	15.03
		46/5230	17.00	15.11
802.11ac-VHT20 (MCS0)	U-NII-1	36/5180	17.00	15.06
		40/5200	17.00	15.38
		44/5220	17.00	15.22
		48/5240	17.00	15.26
802.11ac-VHT40 (MCS0)	U-NII-1	38/5190	16.50	14.78
		46/5230	16.50	14.83
802.11ac-VHT80 (MCS0)	U-NII-1	42/5210	15.50	14.04

Note: Initial test configuration is 802.11a mode, since the highest maximum output power.



Wi-Fi 5GHz Ant 10 Full Power & Level 2 & Level 3	Band	Channel /Frequency(MHz)	Average Conducted Power (dBm)	
			Tune-up	Meas.
802.11a (6M)	U-NII-2A	52/5260	17.50	15.95
		56/5280	17.50	16.03
		60/5300	17.50	16.32
		64/5320	17.50	16.54
802.11n-HT20 (MCS0)	U-NII-2A	52/5260	17.50	15.80
		56/5280	17.50	15.91
		60/5300	17.50	16.15
		64/5320	17.50	16.24
802.11n-HT40 (MCS0)	U-NII-2A	54/5270	17.00	15.23
		62/5310	17.00	15.71
802.11ac-VHT20 (MCS0)	U-NII-2A	52/5260	17.00	15.34
		56/5280	17.00	15.40
		60/5300	17.00	15.62
		64/5320	17.00	15.82
802.11ac-VHT40 (MCS0)	U-NII-2A	54/5270	16.50	14.70
		62/5310	16.50	15.10
802.11ac-VHT80 (MCS0)	U-NII-2A	58/5290	15.50	13.80

Note: Initial test configuration is 802.11a mode, since the highest maximum output power.

Wi-Fi 5GHz Ant 10 Level 1	Band	Channel /Frequency(MHz)	Average Conducted Power (dBm)	
			Tune-up	Meas.
802.11a (6M)	U-NII-2A	52/5260	17.50	15.95
		56/5280	17.50	16.03
		60/5300	17.50	16.32
		64/5320	17.50	16.54
802.11n-HT20 (MCS0)	U-NII-2A	52/5260	17.50	15.80
		56/5280	17.50	15.91
		60/5300	17.50	16.15
		64/5320	17.50	16.24
802.11n-HT40 (MCS0)	U-NII-2A	54/5270	17.00	15.23
		62/5310	17.00	15.71
802.11ac-VHT20 (MCS0)	U-NII-2A	52/5260	17.00	15.34
		56/5280	17.00	15.40



		60/5300	17.00	15.62
		64/5320	17.00	15.82
802.11ac-VHT40 (MCS0)	U-NII-2A	54/5270	16.50	14.70
		62/5310	16.50	15.10
802.11ac-VHT80 (MCS0)	U-NII-2A	58/5290	15.50	13.80
Note: Initial test configuration is 802.11a mode, since the highest maximum output power.				

Wi-Fi 5GHz Ant 10 Full Power & Level 2 & Level 3	Band	Channel /Frequency(MHz)	Average Conducted Power (dBm)	
			Tune-up	Meas.
802.11a (6M)	U-NII-2C	100/5500	17.50	16.07
		116/5580	17.50	15.83
		132/5660	17.50	16.24
		140/5700	17.50	16.36
802.11n-HT20 (MCS0)	U-NII-2C	100/5500	17.50	15.93
		116/5580	17.50	15.75
		132/5660	17.50	15.96
		140/5700	17.50	16.14
802.11n-HT40 (MCS0)	U-NII-2C	102/5510	17.00	15.57
		110/5550	17.00	15.27
		118/5590	17.00	15.23
		134/5670	17.00	15.72
802.11ac-VHT20 (MCS0)	U-NII-2C	100/5500	17.00	15.58
		116/5580	17.00	15.10
		132/5660	17.00	15.60
		140/5700	17.00	15.88
802.11ac-VHT40 (MCS0)	U-NII-2C	102/5510	16.50	15.02
		110/5550	16.50	14.85
		118/5590	16.50	14.70
		134/5670	16.50	15.21
802.11ac-VHT80 (MCS0)	U-NII-2C	106/5530	15.50	13.91
		122/5610	15.50	13.65
Note: Initial test configuration is 802.11a mode, since the highest maximum output power.				

Wi-Fi 5GHz Ant 10 Level 1	Band	Channel /Frequency(MHz)	Average Conducted Power (dBm)	
			Tune-up	Meas.
802.11a (6M)	U-NII-2C	100/5500	17.50	16.07
		116/5580	17.50	15.83
		132/5660	17.50	16.24
		140/5700	17.50	16.36
802.11n-HT20 (MCS0)	U-NII-2C	100/5500	17.50	15.93
		116/5580	17.50	15.75
		132/5660	17.50	15.96
		140/5700	17.50	16.14
802.11n-HT40 (MCS0)	U-NII-2C	102/5510	17.00	15.57
		110/5550	17.00	15.27
		118/5590	17.00	15.23
		134/5670	17.00	15.72
802.11ac-VHT20 (MCS0)	U-NII-2C	100/5500	17.00	15.58
		116/5580	17.00	15.10
		132/5660	17.00	15.60
		140/5700	17.00	15.88
802.11ac-VHT40 (MCS0)	U-NII-2C	102/5510	16.50	15.02
		110/5550	16.50	14.85
		118/5590	16.50	14.70
		134/5670	16.50	15.21
802.11ac-VHT80 (MCS0)	U-NII-2C	106/5530	15.50	13.91
		122/5610	15.50	13.65

Note: Initial test configuration is 802.11a mode, since the highest maximum output power.



Wi-Fi 5GHz Ant10 Full Power & Level 2 & Level 3	Band	Channel /Frequency(MHz)	Average Conducted Power (dBm)	
			Tune-up	Meas.
802.11a (6M)	U-NII-3	149/5745	17.50	16.74
		157/5785	17.50	16.69
		165/5825	17.50	16.60
802.11n-HT20 (MCS0)	U-NII-3	149/5745	17.50	16.59
		157/5785	17.50	16.61
		165/5825	17.50	16.31
802.11n-HT40 (MCS0)	U-NII-3	151/5755	17.00	16.01
		159/5795	17.00	15.97
802.11ac-VHT20 (MCS0)	U-NII-3	149/5745	17.00	16.08
		157/5785	17.00	16.03
		165/5825	17.00	15.80
802.11ac-VHT40 (MCS0)	U-NII-3	151/5755	16.50	15.50
		159/5795	16.50	15.54
802.11ac-VHT80 (MCS0)	U-NII-3	155/5775	15.50	14.69

Note: Initial test configuration is 802.11a mode, since the highest maximum output power.

Wi-Fi 5GHz Ant 10 Level 1	Band	Channel /Frequency(MHz)	Average Conducted Power (dBm)	
			Tune-up	Meas.
802.11a (6M)	U-NII-3	149/5745	15.50	14.55
		157/5785	15.50	14.54
		165/5825	15.50	14.45
802.11n-HT20 (MCS0)	U-NII-3	149/5745	15.00	14.00
		157/5785	15.00	13.99
		165/5825	15.00	13.60
802.11n-HT40 (MCS0)	U-NII-3	151/5755	15.00	13.78
		159/5795	15.00	13.86
802.11ac-VHT20 (MCS0)	U-NII-3	149/5745	15.00	13.85
		157/5785	15.00	13.79
		165/5825	15.00	13.88
802.11ac-VHT40 (MCS0)	U-NII-3	151/5755	15.00	13.71
		159/5795	15.00	13.84
802.11ac-VHT80	U-NII-3	155/5775	15.00	13.99



(MCS0)			
Note: Initial test configuration is 802.11a mode, since the highest maximum output power.			

Wi-Fi 5GHz MIMO Full Power & Level 2 & Level 3	Band	Channel /Frequency(MHz)	Average Conducted Power (dBm)			
			Tune-up	Meas.	Ant10	Ant9
802.11a (6M)	U-NII-1	36/5180	21.00	19.24	16.12	16.34
		40/5200	21.00	19.33	16.33	16.31
		44/5220	21.00	19.10	15.90	16.27
		48/5240	21.00	19.11	15.88	16.30
802.11n-HT20 (MCS0)	U-NII-1	36/5180	20.50	19.09	15.94	16.22
		40/5200	20.50	19.12	15.98	16.24
		44/5220	20.50	18.88	15.67	16.06
		48/5240	20.50	18.92	15.64	16.17
802.11n-HT40 (MCS0)	U-NII-1	38/5190	19.50	18.35	15.03	15.62
		46/5230	19.50	18.37	15.11	15.60
802.11ac-VHT20 (MCS0)	U-NII-1	36/5180	19.50	18.43	15.06	15.76
		40/5200	19.50	18.52	15.38	15.63
		44/5220	19.50	18.42	15.22	15.60
		48/5240	19.50	18.44	15.26	15.60
802.11ac-VHT40 (MCS0)	U-NII-1	38/5190	19.50	17.97	14.78	15.14
		46/5230	19.50	17.88	14.83	14.90
802.11ac-VHT80 (MCS0)	U-NII-1	42/5210	18.00	17.09	14.04	14.12
Note: Initial test configuration is 802.11a mode, since the highest maximum output power.						

Wi-Fi 5GHz MIMO	Band	Channel /Frequency(MHz)	Average Conducted Power (dBm)			
			Tune-up	Meas.	Ant10	Ant9
Level 1						
802.11a (6M)	U-NII-1	36/5180	16.50	15.79	12.66	12.89
		40/5200	16.50	15.87	12.86	12.86
		44/5220	16.50	15.66	12.45	12.84
		48/5240	16.50	15.67	12.43	12.87
802.11n-HT20 (MCS0)	U-NII-1	36/5180	16.00	15.15	11.99	12.29
		40/5200	16.00	15.19	12.04	12.32
		44/5220	16.00	14.95	11.72	12.15
		48/5240	16.00	14.94	11.60	12.24
802.11n-HT40 (MCS0)	U-NII-1	38/5190	16.00	14.91	11.59	12.18
		46/5230	16.00	14.92	11.66	12.15
802.11ac-VHT20 (MCS0)	U-NII-1	36/5180	16.00	14.99	11.62	12.32
		40/5200	16.00	15.08	11.94	12.20
		44/5220	16.00	14.98	11.77	12.17
		48/5240	16.00	15.00	11.81	12.17
802.11ac-VHT40 (MCS0)	U-NII-1	38/5190	16.00	15.04	11.85	12.21
		46/5230	16.00	14.94	11.89	11.96
802.11ac-VHT80 (MCS0)	U-NII-1	42/5210	16.00	15.14	12.09	12.17

Note: Initial test configuration is 802.11a mode, since the highest maximum output power.



Wi-Fi 5GHz MIMO	Band	Channel /Frequency(MHz)	Average Conducted Power (dBm)			
			Tune-up	Meas.	Ant10	Ant9
802.11a (6M)	U-NII-2A	52/5260	21.00	19.07	15.95	16.17
		56/5280	21.00	19.16	16.03	16.27
		60/5300	21.00	19.35	16.32	16.35
		64/5320	21.00	19.62	16.54	16.68
802.11n-HT20 (MCS0)	U-NII-2A	52/5260	20.50	18.91	15.80	15.99
		56/5280	20.50	19.03	15.91	16.13
		60/5300	20.50	19.18	16.15	16.19
		64/5320	20.50	19.39	16.24	16.52
802.11n-HT40 (MCS0)	U-NII-2A	54/5270	19.50	18.48	15.23	15.70
		62/5310	19.50	18.79	15.71	15.84
802.11ac-VHT20 (MCS0)	U-NII-2A	52/5260	19.50	18.49	15.34	15.61
		56/5280	19.50	18.58	15.40	15.73
		60/5300	19.50	18.73	15.62	15.82
		64/5320	19.50	18.95	15.82	16.05
802.11ac-VHT40 (MCS0)	U-NII-2A	54/5270	19.50	17.87	14.70	15.02
		62/5310	19.50	18.10	15.10	15.07
802.11ac-VHT80 (MCS0)	U-NII-2A	58/5290	18.00	16.95	13.80	14.08

Note: Initial test configuration is 802.11a mode, since the highest maximum output power.

Wi-Fi 5GHz MIMO	Band	Channel /Frequency(MHz)	Average Conducted Power (dBm)			
			Tune-up	Meas.	Ant10	Ant9
Level 1						
802.11a (6M)	U-NII-2A	52/5260	16.50	15.54	12.40	12.65
		56/5280	16.50	15.59	12.43	12.73
		60/5300	16.50	15.83	12.77	12.87
		64/5320	16.50	16.10	12.99	13.19
802.11n-HT20 (MCS0)	U-NII-2A	52/5260	16.00	14.88	11.73	12.01
		56/5280	16.00	15.02	11.87	12.15
		60/5300	16.00	15.15	12.06	12.22
		64/5320	16.00	15.14	11.68	12.54
802.11n-HT40 (MCS0)	U-NII-2A	54/5270	16.00	14.96	11.70	12.19
		62/5310	16.00	15.25	12.15	12.32
802.11ac-VHT20 (MCS0)	U-NII-2A	52/5260	16.00	14.95	11.79	12.09
		56/5280	16.00	15.07	11.87	12.25



		60/5300	16.00	15.21	12.07	12.33
		64/5320	16.00	15.42	12.25	12.57
802.11ac-VHT40 (MCS0)	U-NII-2A	54/5270	16.00	14.87	11.67	12.04
		62/5310	16.00	15.10	12.07	12.11
802.11ac-VHT80 (MCS0)	U-NII-2A	58/5290	16.00	14.93	11.78	12.06

Note: Initial test configuration is 802.11a mode, since the highest maximum output power.

Wi-Fi 5GHz MIMO Full Power & Level 2 & Level 3	Band	Channel /Frequency(MHz)	Average Conducted Power (dBm)			
			Tune-up	Meas.	Ant10	Ant9
802.11a (6M)	U-NII-2C	100/5500	21.00	19.22	16.07	16.34
		116/5580	21.00	19.15	15.83	16.43
		132/5660	21.00	19.41	16.24	16.56
		140/5700	21.00	19.62	16.36	16.84
802.11n-HT20 (MCS0)	U-NII-2C	100/5500	20.50	19.05	15.93	16.15
		116/5580	20.50	19.00	15.75	16.21
		132/5660	20.50	19.11	15.96	16.24
		140/5700	20.50	19.43	16.14	16.69
802.11n-HT40 (MCS0)	U-NII-2C	102/5510	19.50	18.60	15.57	15.60
		110/5550	19.50	18.39	15.27	15.48
		118/5590	19.50	18.50	15.23	15.73
		134/5670	19.50	18.83	15.72	15.92
802.11ac-VHT20 (MCS0)	U-NII-2C	100/5500	19.50	18.63	15.58	15.66
		116/5580	19.50	18.43	15.10	15.72
		132/5660	19.50	18.76	15.60	15.90
		140/5700	19.50	19.11	15.88	16.30
802.11ac-VHT40 (MCS0)	U-NII-2C	102/5510	19.50	18.05	15.02	15.05
		110/5550	19.50	17.86	14.85	14.84
		118/5590	19.50	17.99	14.70	15.24
		134/5670	19.50	18.25	15.21	15.27
802.11ac-VHT80 (MCS0)	U-NII-2C	106/5530	18.00	16.85	13.91	13.77
		122/5610	18.00	16.85	13.65	14.02

Note: Initial test configuration is 802.11a mode, since the highest maximum output power.

Wi-Fi 5GHz MIMO	Band	Channel /Frequency(MHz)	Average Conducted Power (dBm)			
			Tune-up	Meas.	Ant10	Ant9
Level 1						
802.11a (6M)	U-NII-2C	100/5500	16.50	15.59	12.43	12.72
		116/5580	16.50	15.48	12.14	12.78
		132/5660	16.50	15.80	12.62	12.96
		140/5700	16.50	15.94	12.60	13.24
802.11n-HT20 (MCS0)	U-NII-2C	100/5500	16.00	14.93	11.78	12.05
		116/5580	16.00	14.89	11.64	12.11
		132/5660	16.00	14.97	11.77	12.14
		140/5700	16.00	15.31	11.97	12.61
802.11n-HT40 (MCS0)	U-NII-2C	102/5510	16.00	14.98	11.95	11.99
		110/5550	16.00	14.75	11.63	11.85
		118/5590	16.00	14.87	11.60	12.10
		134/5670	16.00	15.23	12.12	12.32
802.11ac-VHT20 (MCS0)	U-NII-2C	100/5500	16.00	15.01	11.94	12.06
		116/5580	16.00	14.81	11.45	12.12
		132/5660	16.00	15.18	12.02	12.32
		140/5700	16.00	15.49	12.26	12.69
802.11ac-VHT40 (MCS0)	U-NII-2C	102/5510	16.00	14.95	11.92	11.96
		110/5550	16.00	14.75	11.72	11.75
		118/5590	16.00	14.90	11.60	12.17
		134/5670	16.00	15.13	12.07	12.17
802.11ac-VHT80 (MCS0)	U-NII-2C	106/5530	16.00	14.73	11.76	11.67
		122/5610	16.00	14.67	11.59	11.72

Note: Initial test configuration is 802.11a mode, since the highest maximum output power.

Wi-Fi 5GHz MIMO	Band	Channel /Frequency(MHz)	Average Conducted Power (dBm)			
			Tune-up	Meas.	Ant10	Ant9
802.11a (6M)	U-NII-3	149/5745	21.00	19.73	16.74	16.69
		157/5785	21.00	19.69	16.69	16.66
		165/5825	21.00	19.62	16.60	16.62
802.11n-HT20 (MCS0)	U-NII-3	149/5745	20.50	19.59	16.59	16.56
		157/5785	20.50	19.56	16.61	16.49
		165/5825	20.50	19.39	16.31	16.45
802.11n-HT40 (MCS0)	U-NII-3	151/5755	19.50	19.14	16.01	16.25
		159/5795	19.50	19.08	15.97	16.17
802.11ac-VHT20 (MCS0)	U-NII-3	149/5745	19.50	19.18	16.08	16.26
		157/5785	19.50	19.17	16.03	16.28
		165/5825	19.50	18.94	15.80	16.06
802.11ac-VHT40 (MCS0)	U-NII-3	151/5755	19.50	18.49	15.50	15.46
		159/5795	19.50	18.53	15.54	15.50
802.11ac-VHT80 (MCS0)	U-NII-3	155/5775	18.00	17.56	14.69	14.40

Note: Initial test configuration is 802.11a mode, since the highest maximum output power.

Wi-Fi 5GHz MIMO	Band	Channel /Frequency(MHz)	Average Conducted Power (dBm)			
			Tune-up	Meas.	Ant10	Ant9
Level 1						
802.11a (6M)	U-NII-3	149/5745	16.50	15.13	12.07	12.17
		157/5785	16.50	15.02	12.02	11.99
		165/5825	16.50	14.98	11.90	12.04
802.11n-HT20 (MCS0)	U-NII-3	149/5745	16.00	14.50	11.43	11.54
		157/5785	16.00	14.45	11.44	11.44
		165/5825	16.00	14.26	11.15	11.34
802.11n-HT40 (MCS0)	U-NII-3	151/5755	16.00	14.54	11.35	11.70
		159/5795	16.00	14.46	11.30	11.59
802.11ac-VHT20 (MCS0)	U-NII-3	149/5745	16.00	14.49	11.39	11.56
		157/5785	16.00	14.54	11.35	11.70
		165/5825	16.00	14.29	11.13	11.42
802.11ac-VHT40 (MCS0)	U-NII-3	151/5755	16.00	14.37	11.31	11.41
		159/5795	16.00	14.44	11.38	11.48
802.11ac-VHT80 (MCS0)	U-NII-3	155/5775	16.00	14.45	11.52	11.35

Note: Initial test configuration is 802.11a mode, since the highest maximum output power.

1.7 Bluetooth Mode

BT	Conducted Power(dBm)			Tune-up Limit (dBm)
	Channel/Frequency(MHz)			
	Ch 0/2402 MHz	Ch 39/2441 MHz	Ch 78/2480 MHz	
GFSK	9.87	11.62	9.67	13.50
π /4DQPSK	7.84	9.52	7.27	11.50
8DPSK	7.85	9.53	7.27	11.50
BLE	Ch 0/2402 MHz	Ch 19/2440 MHz	Ch 39/2480 MHz	Tune-up Limit (dBm)
GFSK(1M)	5.59	7.13	5.09	10.00
GFSK(2M)	5.66	7.21	5.18	10.00