

SHENZHEN YUNJI INTELLIGENT TECHNOLOGY CO.,LTD
Tune-up(dBm) procedure

This is to formally certify that:

The tune up procedures of Tablet (FCC ID: 2ANMU-24137)

The tune up procedures of is not open to end user. The end user is not allowed to perform final tune. All the power and frequency set up were finished at the manufacturer stage.

Tune up procedure shall be over the power range or at specific operating power levels.

Procedure:

1. Set the Smart Phone to operational voltage and on one certain channel in a special service mode by means of company proprietary software.

2. The actual power is measured at several power levels.

3. The gain factors of each individual Smart Phone are adjusted via the Board-test SW using automatic adjustment arithmetic until the Tune-up Range (dBm) value is met.

It must provide an operational voltage (DC 3.87V by battery) to turn on the device and on one certain channel in service mode by means of company proprietary software. spectrum analyzer(Agilent, N9020A) and Power meter

(DARE, RPR3006W)measures the 2.4G/5G device specific RF characteristics.

Base station simulator (R&S CMW500) measures the 2G/3G/4G/5G device specific RF characteristics. The maximum power of each individual channels are adjusted until the target value met.

GSM Conducted Power

Band GSM850	Burst-Averaged output Power (dBm)				Frame-Averaged output Power (dBm)			
Tx Channel	Tune-up (dBm)	128	189	251	Tune-up	128	189	251
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8
GSM (GMSK)	32.50	32.05	31.95	32.08	23.47	23.02	22.92	23.05
GPRS(GMSK,1 Tx slot)	32.50	32.26	32.21	32.26	23.47	23.23	23.18	23.23
GPRS(GMSK,2 Tx slot)	31.00	30.75	30.65	30.82	24.98	24.73	24.63	24.80
GPRS(GMSK,3 Tx slot)	29.00	28.83	28.71	28.93	24.74	24.57	24.45	24.67
GPRS(GMSK,4 Tx slot)	28.50	28.27	28.16	28.33	25.49	25.26	25.15	25.32
EGPRS(8PSK,1 Tx slot)	26.50	26.06	25.45	25.86	17.47	17.03	16.42	16.83
EGPRS(8PSK,2 Tx slot)	25.00	24.93	24.53	24.65	18.98	18.91	18.51	18.63
EGPRS(8PSK,3 Tx slot)	23.50	23.03	22.69	22.30	19.24	18.77	18.43	18.04
EGPRS(8PSK,4 Tx slot)	22.00	21.77	21.13	21.41	18.99	18.76	18.12	18.40
Band GSM1900	Burst-Averaged output Power (dBm)				Frame-Averaged output Power (dBm)			
Tx Channel	Tune-up (dBm)	512	661	810	Tune-up	512	661	810
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8
GSM (GMSK)	29.50	29.07	29.03	28.56	20.47	20.04	20.00	19.53
GPRS(GMSK,1 Tx slot)	29.50	29.07	29.01	28.55	20.47	20.04	19.98	19.52
GPRS(GMSK,2 Tx slot)	28.50	28.28	28.26	27.84	22.48	22.26	22.24	21.82
GPRS(GMSK,3 Tx slot)	26.50	26.27	26.43	26.18	22.24	22.01	22.17	21.92
GPRS(GMSK,4 Tx slot)	25.50	25.03	25.21	25.04	22.49	22.02	22.20	22.03
EGPRS(8PSK,1 Tx slot)	24.00	23.50	23.55	23.91	14.97	14.47	14.52	14.88
EGPRS(8PSK,2 Tx slot)	23.00	22.32	22.55	22.59	16.98	16.30	16.53	16.57
EGPRS(8PSK,3 Tx slot)	21.50	20.91	20.75	21.15	17.24	16.65	16.49	16.89
EGPRS(8PSK,4 Tx slot)	20.00	19.51	19.51	19.92	16.99	16.50	16.50	16.91

WCDMA Conducted Power

WCDMA Band 2		Burst-Averaged output Power (dBm)			
Tx Channel	Tune-up (dBm)	9262	9400	9538	
Frequency (MHz)		1852.4	1880	1907.6	
RMC12.2K	22.50	21.86	22.00	22.03	
HSDPA Sub 1	21.50	21.05	21.16	21.14	
HSDPA Sub 2	21.00	20.35	20.89	20.77	
HSDPA Sub 3	20.00	19.60	19.54	19.77	
HSDPA Sub 4	20.00	19.55	19.60	19.50	
HSUPA Sub 1	21.00	19.56	20.91	20.97	
HSUPA Sub 2	21.50	20.89	21.07	21.05	
HSUPA Sub 3	20.00	19.16	19.89	19.77	
HSUPA Sub 4	21.50	20.97	21.13	21.12	
HSUPA Sub 5	21.00	19.55	20.52	20.38	
WCDMA Band 4		Burst-Averaged output Power (dBm)			
Tx Channel	Tune-up (dBm)	1312	1413	1513	
Frequency (MHz)		1712.4	1732.6	1752.6	
RMC12.2K	22.50	22.03	21.82	22.04	
HSDPA Sub 1	21.50	21.05	20.82	21.06	
HSDPA Sub 2	21.00	20.71	20.41	20.65	
HSDPA Sub 3	20.00	19.62	19.45	19.28	
HSDPA Sub 4	20.00	19.58	19.09	19.82	
HSUPA Sub 1	21.00	19.98	20.64	20.93	
HSUPA Sub 2	21.00	20.88	20.64	20.91	
HSUPA Sub 3	20.00	19.13	19.31	19.59	
HSUPA Sub 4	21.50	21.04	20.80	21.05	
HSUPA Sub 5	20.50	19.74	20.16	20.47	
WCDMA Band 5		Burst-Averaged output Power (dBm)			
Tx Channel	Tune-up (dBm)	4132	4182	4233	
Frequency (MHz)		826.4	836.4	846.6	
RMC12.2K	23.50	23.40	23.35	23.27	
HSDPA Sub 1	22.50	22.44	22.39	22.32	
HSDPA Sub 2	22.50	22.14	22.06	21.71	
HSDPA Sub 3	21.50	21.13	20.92	20.91	
HSDPA Sub 4	21.50	20.98	21.02	20.54	
HSUPA Sub 1	22.50	20.81	22.25	22.21	
HSUPA Sub 2	22.50	22.33	22.30	22.33	
HSUPA Sub 3	21.50	20.52	21.16	21.14	
HSUPA Sub 4	22.50	22.44	22.37	22.34	
HSUPA Sub 5	22.00	20.91	21.84	21.67	

LTE Conducted Power

Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		18607/1850.7	18900/1880	19193/1909.3
LTE Band 2	1.4MHz	QPSK	1	0	22.00	21.01	21.53	21.92
			1	2	22.00	20.86	21.47	21.90
			1	5	22.00	20.96	21.50	21.95
			3	0	22.50	20.91	21.51	22.00
			3	1	22.50	20.93	21.49	22.01
			3	2	22.50	21.01	21.51	21.96
			6	0	21.50	19.94	20.54	21.03
		16QAM	1	0	21.50	20.12	20.77	21.21
			1	2	21.50	19.94	20.77	21.14
			1	5	21.50	20.08	20.69	21.14
			3	0	21.00	19.90	20.69	20.99
			3	1	21.00	19.80	20.54	20.97
			3	2	21.00	19.89	20.56	20.95
			6	0	20.50	18.94	19.62	20.08
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		18615/1851.5	18900/1880	19185/1908.5
LTE Band 2	3MHz	QPSK	1	0	22.00	20.79	21.56	21.92
			1	7	22.00	20.84	21.53	21.97
			1	14	22.00	20.72	21.42	21.95
			8	0	21.50	19.90	20.56	21.06
			8	4	21.50	19.84	20.51	20.99
			8	7	21.50	19.85	20.46	20.99
			15	0	21.00	19.84	20.56	21.00
		16QAM	1	0	21.50	20.08	20.81	21.21
			1	7	21.50	20.02	20.72	21.18
			1	14	21.50	19.96	20.66	21.07
			8	0	20.50	19.04	19.65	20.11
			8	4	20.50	18.98	19.54	20.11
			8	7	20.50	18.93	19.51	20.06
			15	0	20.50	18.90	19.57	20.05
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		18625/1852.5	18900/1880	19175/1907.5
LTE Band 2	5MHz	QPSK	1	0	22.50	20.91	21.67	21.94
			1	12	22.50	20.75	21.54	22.09
			1	24	22.50	20.75	21.36	22.03
			12	0	21.50	19.98	20.68	21.11
			12	6	21.50	19.91	20.58	21.08
			12	11	21.50	19.87	20.48	21.06
			25	0	21.50	19.94	20.61	21.11
		16QAM	1	0	21.50	20.15	20.90	21.23
			1	12	21.50	19.98	20.71	21.15
			1	24	21.50	19.98	20.61	21.12
			12	0	20.50	19.02	19.67	20.12
			12	6	20.50	18.91	19.59	20.08

			12	11	20.50	18.90	19.49	20.06
			25	0	20.50	18.97	19.62	20.12
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		18650/1855	18900/1880	19150/1905
LTE Band 2	10MHz	QPSK	1	0	22.50	20.92	21.79	21.70
			1	24	22.50	20.68	21.55	22.01
			1	49	22.50	20.70	21.27	22.00
			25	0	21.50	19.88	20.76	20.93
			25	12	21.50	19.77	20.61	21.06
			25	24	21.50	19.73	20.39	21.06
			50	0	21.00	19.80	20.57	20.98
		16QAM	1	0	21.50	20.17	21.12	21.00
			1	24	21.50	19.96	20.77	21.34
			1	49	21.50	19.97	20.35	21.31
			25	0	20.50	19.00	19.76	19.90
			25	12	20.50	18.88	19.61	20.06
			25	24	20.50	18.86	19.38	20.06
			50	0	20.00	18.95	19.57	19.98
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		18675/1857.5	18900/1880	19125/1902.5
LTE Band 2	15MHz	QPSK	1	0	22.50	20.91	21.85	21.32
			1	37	22.50	20.78	21.61	21.93
			1	74	22.50	21.36	21.13	22.02
			36	0	21.50	19.91	20.80	20.56
			36	18	21.50	19.89	20.56	20.87
			36	37	21.50	20.12	20.26	21.03
			75	0	21.00	20.03	20.60	20.82
		16QAM	1	0	21.50	20.06	21.17	20.61
			1	37	21.50	20.03	20.76	21.14
			1	74	21.50	20.67	20.26	21.34
			36	0	20.50	18.92	19.78	19.56
			36	18	20.50	18.88	19.57	19.87
			36	37	20.50	19.11	19.27	20.03
			75	0	20.00	19.06	19.60	19.82
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		18700/1860	18900/1880	19100/1900
LTE Band 2	20MHz	QPSK	1	0	22.50	20.91	21.85	20.70
			1	49	22.50	20.98	21.59	21.72
			1	99	22.50	21.80	20.49	22.03
			50	0	21.50	19.81	20.84	20.35
			50	24	21.50	20.11	20.62	20.79
			50	49	21.50	20.54	20.22	21.01
			100	0	21.00	20.28	20.58	20.68
		16QAM	1	0	21.50	20.06	21.17	19.95
			1	49	21.50	20.34	20.81	21.02
			1	99	21.50	20.92	19.88	21.22
			50	0	20.50	18.92	19.83	19.32

			50	24	20.50	19.10	19.63	19.73
			50	49	20.50	19.54	19.23	20.01
			100	0	20.00	19.27	19.57	19.65

Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		19957/1710.7	20175/1732.5	20393/1754.3
LTE Band 4	1.4MHz	QPSK	1	0	22.50	21.27	21.98	21.44
			1	2	22.50	21.24	22.01	21.51
			1	5	22.50	21.26	21.99	21.51
			3	0	22.50	21.29	22.03	21.45
			3	1	22.50	21.24	22.00	21.46
			3	2	22.50	21.25	22.00	21.44
		16QAM	6	0	21.00	20.25	20.99	20.51
			1	0	21.50	20.59	21.30	20.78
			1	2	21.50	20.51	21.20	20.69
			1	5	21.50	20.44	21.19	20.73
			3	0	21.00	20.19	20.92	20.39
			3	1	21.00	20.12	20.94	20.46
			3	2	21.00	20.13	20.92	20.47
			6	0	20.50	19.31	20.11	19.54
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		19965/1711.5	20175/1732.5	20385/1753.5
LTE Band 4	3MHz	QPSK	1	0	22.50	21.24	22.07	21.42
			1	7	22.50	21.14	22.02	21.46
			1	14	22.50	21.14	21.99	21.50
			8	0	21.50	20.31	21.03	20.46
			8	4	21.50	20.21	21.00	20.47
			8	7	21.50	20.20	21.01	20.49
			15	0	21.50	20.23	21.05	20.46
		16QAM	1	0	21.50	20.50	21.36	20.64
			1	7	21.50	20.39	21.15	20.60
			1	14	21.50	20.37	21.19	20.74
			8	0	20.50	19.32	20.07	19.54
			8	4	20.50	19.23	20.09	19.52
			8	7	20.50	19.23	20.07	19.59
			15	0	20.50	19.20	20.05	19.49
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		19975/1712.5	20175/1732.5	20375/1752.5
LTE Band 4	5MHz	QPSK	1	0	22.50	21.29	22.08	21.42
			1	12	22.50	21.20	22.02	21.46
			1	24	22.50	21.18	22.10	21.58
			12	0	21.50	20.30	21.07	20.47
			12	6	21.50	20.23	21.08	20.49
			12	11	21.50	20.22	21.08	20.55
			25	0	21.50	20.29	21.10	20.53
		16QAM	1	0	21.50	20.65	21.29	20.65
			1	12	21.50	20.46	21.37	20.85
			1	24	21.50	20.49	21.26	20.84

			12	0	20.50	19.35	20.08	19.51
			12	6	20.50	19.25	20.07	19.49
			12	11	20.50	19.20	20.07	19.56
			25	0	20.50	19.25	20.07	19.54
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		20000/1715	20175/1732.5	20350/1750
LTE Band 4	10MHz	QPSK	1	0	22.50	21.32	21.93	21.47
			1	24	22.50	21.23	22.09	21.45
			1	49	22.50	21.45	21.93	21.61
			25	0	21.50	20.30	21.04	20.49
			25	12	21.50	20.26	21.09	20.48
			25	24	21.50	20.33	21.08	20.56
			50	0	21.50	20.31	21.06	20.52
		16QAM	1	0	21.50	20.51	21.15	20.67
			1	24	21.50	20.45	21.39	20.74
			1	49	21.50	20.62	21.29	20.93
			25	0	20.50	19.30	20.03	19.46
			25	12	20.50	19.24	20.08	19.45
			25	24	20.50	19.29	20.07	19.54
			50	0	20.50	19.29	20.05	19.51
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		20025/1717.5	20175/1732.5	20325/1747.5
LTE Band 4	15MHz	QPSK	1	0	22.50	21.29	21.80	21.74
			1	37	22.50	21.35	22.13	21.47
			1	74	22.50	21.76	21.90	21.63
			36	0	21.50	20.24	20.97	20.55
			36	18	21.50	20.30	21.03	20.41
			36	37	21.50	20.56	20.97	20.49
			75	0	21.00	20.45	21.00	20.57
		16QAM	1	0	21.50	20.56	21.14	20.97
			1	37	21.50	20.47	21.26	20.78
			1	74	21.50	21.08	21.09	20.89
			36	0	20.50	19.27	19.94	19.55
			36	18	20.50	19.32	20.04	19.42
			36	37	20.50	19.55	19.97	19.47
			75	0	20.00	19.44	20.00	19.57
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		20050/1720	20175/1732.5	20300/1745
LTE Band 4	20MHz	QPSK	1	0	22.50	21.26	21.61	21.94
			1	49	22.50	21.53	22.10	21.52
			1	99	22.50	22.06	21.75	21.61
			50	0	21.50	20.31	20.93	20.80
			50	24	21.50	20.52	21.09	20.55
			50	49	21.50	20.90	20.98	20.53
			100	0	21.00	20.64	20.96	20.68
		16QAM	1	0	21.50	20.58	20.84	21.24
			1	49	21.50	20.82	21.34	20.79

			1	99	21.50	21.44	21.03	20.91
			50	0	20.50	19.32	19.90	19.83
			50	24	20.50	19.47	20.07	19.55
			50	49	20.50	19.88	19.97	19.52
			100	0	20.00	19.63	19.96	19.66

Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		20407/824.7	20525/836.5	20643/848.3
LTE Band 5	1.4MHz	QPSK	1	0	23.50	22.98	23.21	23.00
			1	2	23.50	23.13	23.17	22.95
			1	5	23.50	23.17	23.19	22.92
			3	0	23.50	23.12	23.12	22.92
			3	1	23.50	23.08	23.16	23.00
			3	2	23.50	23.13	23.16	22.95
			6	0	22.50	22.07	22.16	21.98
		16QAM	1	0	22.50	22.17	22.47	22.24
			1	2	22.50	22.25	22.40	22.23
			1	5	22.50	22.19	22.49	22.15
			3	0	22.50	22.14	22.17	21.95
			3	1	22.50	22.05	22.20	22.01
			3	2	22.50	22.11	22.11	21.93
			6	0	21.50	21.09	21.27	21.06
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		20415/825.5	20525/836.5	20635/847.5
LTE Band 5	3MHz	QPSK	1	0	23.50	23.02	23.16	23.01
			1	7	23.50	23.08	23.20	23.02
			1	14	23.50	23.09	23.14	22.96
			8	0	22.50	22.09	22.26	22.09
			8	4	22.50	22.13	22.18	22.03
			8	7	22.50	22.11	22.20	21.99
			15	0	22.50	22.10	22.21	22.03
		16QAM	1	0	23.00	22.22	22.41	22.30
			1	7	23.00	22.31	22.51	22.23
			1	14	23.00	22.39	22.50	22.18
			8	0	21.50	21.13	21.26	21.16
			8	4	21.50	21.19	21.24	21.08
			8	7	21.50	21.20	21.24	21.08
			15	0	21.50	21.15	21.19	21.03
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		20425/826.5	20525/836.5	20625/846.5
LTE Band 5	5MHz	QPSK	1	0	23.50	23.00	23.21	23.09
			1	12	23.50	23.19	23.29	23.06
			1	24	23.50	23.15	23.22	22.98
			12	0	22.50	22.17	22.27	22.19
			12	6	22.50	22.18	22.24	22.09
			12	11	22.50	22.18	22.23	22.03
			25	0	22.50	22.20	22.24	22.16
		16QAM	1	0	22.50	22.35	22.40	22.33
			1	12	22.50	22.47	22.45	22.34
			1	24	22.50	22.40	22.48	22.27

			12	0	21.50	21.16	21.29	21.20
			12	6	21.50	21.23	21.30	21.09
			12	11	21.50	21.20	21.26	21.05
			25	0	21.50	21.18	21.26	21.16
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		20450/829	20525/836.5	20600/844
LTE Band 5	10MHz	QPSK	1	0	23.50	23.17	23.23	23.17
			1	24	23.50	23.14	23.22	23.06
			1	49	23.50	23.25	23.12	23.04
			25	0	22.50	22.13	22.28	22.11
			25	12	22.50	22.16	22.23	22.10
			25	24	22.50	22.22	22.19	22.01
			50	0	22.50	22.18	22.23	22.10
		16QAM	1	0	23.00	22.35	22.43	22.44
			1	24	23.00	22.29	22.59	22.27
			1	49	23.00	22.50	22.32	22.18
			25	0	21.50	21.13	21.29	21.13
			25	12	21.50	21.18	21.19	21.09
			25	24	21.50	21.20	21.19	21.00
			50	0	21.50	21.17	21.22	21.07

Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		20775/2502.5	21100/2535	21425/2567.5
LTE Band 7	5MHz	QPSK	1	0	23.50	23.06	22.93	22.98
			1	12	23.50	23.06	23.07	23.15
			1	24	23.50	23.24	23.10	23.24
			12	0	22.50	22.12	22.06	22.17
			12	6	22.50	22.13	22.12	22.24
			12	11	22.50	22.13	22.12	22.26
			25	0	22.50	22.16	22.10	22.21
		16QAM	1	0	23.00	22.24	22.13	22.29
			1	12	23.00	22.25	22.19	22.41
			1	24	23.00	22.28	22.30	22.54
			12	0	21.50	21.14	21.04	21.15
			12	6	21.50	21.15	21.12	21.26
			12	11	21.50	21.16	21.17	21.30
			25	0	21.50	21.17	21.10	21.21
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		20800/2505	21100/2535	21400/2565
LTE Band 7	10MHz	QPSK	1	0	23.50	23.15	22.93	22.73
			1	24	23.50	23.05	23.07	23.02
			1	49	23.50	23.06	23.19	23.27
			25	0	22.50	22.12	22.01	21.92
			25	12	22.50	22.18	22.11	22.09
			25	24	22.50	22.15	22.19	22.17
			50	0	22.50	22.16	22.09	22.05
		16QAM	1	0	23.00	22.30	22.14	22.10
			1	24	23.00	22.25	22.25	22.33

			1	49	23.00	22.35	22.36	22.55
			25	0	21.50	21.13	21.03	20.92
			25	12	21.50	21.20	21.10	21.11
			25	24	21.50	21.18	21.17	21.18
			50	0	21.50	21.15	21.12	21.06
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		20825/2507.5	21100/2535	21375/2562.5
LTE Band 7	15MHz	QPSK	1	0	23.50	23.06	22.74	22.69
			1	37	23.50	23.06	23.11	22.89
			1	74	23.50	22.81	23.22	23.21
			36	0	22.50	22.13	21.96	21.78
			36	18	22.50	22.15	22.09	21.91
			36	37	22.50	22.03	22.19	22.12
			75	0	22.50	22.11	22.09	21.94
		16QAM	1	0	23.00	22.29	21.94	21.92
			1	37	23.00	22.12	22.35	22.11
			1	74	23.00	21.93	22.40	22.51
			36	0	21.50	21.17	20.95	20.78
			36	18	21.50	21.12	21.11	20.91
			36	37	21.50	21.08	21.18	21.13
			75	0	21.50	21.12	21.13	20.96
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		20850/2510	21100/2535	21350/2560
LTE Band 7	20MHz	QPSK	1	0	23.50	23.09	22.69	22.79
			1	49	23.50	22.98	23.15	22.71
			1	99	23.50	22.68	23.17	23.28
			50	0	22.50	22.16	21.97	21.86
			50	24	22.50	22.10	22.13	21.85
			50	49	22.50	21.90	22.24	22.08
			100	0	22.50	22.03	22.08	21.95
		16QAM	1	0	22.50	22.29	22.03	21.94
			1	49	22.50	22.13	22.45	21.92
			1	99	22.50	21.72	22.44	22.49
			50	0	21.50	21.16	20.97	20.86
			50	24	21.50	21.13	21.16	20.84
			50	49	21.50	20.95	21.25	21.04
			100	0	21.50	21.02	21.10	20.93

Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		23017/699.7	23095/707.5	23173/715.3
LTE Band 12	1.4MHz	QPSK	1	0	23.50	23.26	23.17	23.29
			1	2	23.50	23.21	23.22	23.22
			1	5	23.50	23.21	23.21	23.22
			3	0	23.50	23.26	23.16	23.24
			3	1	23.50	23.29	23.20	23.26
			3	2	23.50	23.28	23.17	23.30
			6	0	22.50	22.28	22.20	22.30
		16QAM	1	0	23.00	22.58	22.49	22.45
			1	2	23.00	22.39	22.47	22.56

			1	5	23.00	22.42	22.54	22.50
			3	0	22.50	22.23	22.20	22.22
			3	1	22.50	22.23	22.22	22.33
			3	2	22.50	22.23	22.22	22.22
			6	0	21.50	21.34	21.28	21.35
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		23025/700.5	23095/707.5	23165/714.5
LTE Band 12	3MHz	QPSK	1	0	23.50	23.24	23.14	23.18
			1	7	23.50	23.23	23.25	23.30
			1	14	23.50	23.21	23.22	23.20
			8	0	22.50	22.28	22.17	22.30
			8	4	22.50	22.29	22.19	22.29
			8	7	22.50	22.26	22.23	22.28
			15	0	22.50	22.29	22.21	22.27
		16QAM	1	0	23.00	22.46	22.35	22.48
			1	7	23.00	22.50	22.49	22.48
			1	14	23.00	22.50	22.43	22.42
			8	0	21.50	21.37	21.25	21.33
			8	4	21.50	21.32	21.31	21.32
			8	7	21.50	21.30	21.27	21.37
			15	0	21.50	21.29	21.22	21.25
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		23035/701.5	23095/707.5	23155/713.5
LTE Band 12	5MHz	QPSK	1	0	23.50	23.32	23.27	23.31
			1	12	23.50	23.26	23.28	23.25
			1	24	23.50	23.23	23.24	23.31
			12	0	22.50	22.33	22.27	22.34
			12	6	22.50	22.31	22.26	22.28
			12	11	22.50	22.30	22.25	22.28
			25	0	22.50	22.33	22.29	22.32
		16QAM	1	0	23.00	22.50	22.52	22.51
			1	12	23.00	22.43	22.58	22.49
			1	24	23.00	22.56	22.49	22.55
			12	0	21.50	21.32	21.27	21.34
			12	6	21.50	21.32	21.30	21.28
			12	11	21.50	21.31	21.31	21.34
			25	0	21.50	21.32	21.28	21.35
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		23060/704	23095/707.5	23130/711
LTE Band 12	10MHz	QPSK	1	0	23.50	23.37	23.30	23.22
			1	24	23.50	23.20	23.27	23.22
			1	49	23.50	23.25	23.24	23.32
			25	0	22.50	22.30	22.24	22.27
			25	12	22.50	22.27	22.25	22.25
			25	24	22.50	22.27	22.26	22.26
			50	0	22.50	22.28	22.27	22.25
		16QAM	1	0	23.00	22.55	22.65	22.43
			1	24	23.00	22.45	22.56	22.52

			1	49	23.00	22.50	22.44	22.59
			25	0	21.50	21.25	21.24	21.26
			25	12	21.50	21.30	21.26	21.24
			25	24	21.50	21.28	21.25	21.24
			50	0	21.50	21.29	21.23	21.26

Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		23755/706.5	23790/710	23825/713.5
LTE Band 17	5MHz	QPSK	1	0	23.50	23.39	23.30	23.36
			1	12	23.50	23.25	23.32	23.32
			1	24	23.50	23.24	23.35	23.29
			12	0	22.50	22.31	22.31	22.39
			12	6	22.50	22.30	22.29	22.35
			12	11	22.50	22.28	22.29	22.38
			25	0	22.50	22.32	22.31	22.37
		16QAM	1	0	23.00	22.62	22.66	22.58
			1	12	23.00	22.46	22.54	22.62
			1	24	23.00	22.50	22.63	22.58
			12	0	21.50	21.33	21.34	21.40
			12	6	21.50	21.31	21.29	21.38
			12	11	21.50	21.33	21.32	21.38
			25	0	21.50	21.31	21.34	21.40
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		23780/709	23790/710	23800/711
LTE Band 17	10MHz	QPSK	1	0	23.50	23.35	23.30	23.32
			1	24	23.50	23.20	23.28	23.29
			1	49	23.50	23.31	23.34	23.29
			25	0	22.50	22.25	22.28	22.31
			25	12	22.50	22.27	22.27	22.29
			25	24	22.50	22.28	22.31	22.28
			50	0	22.50	22.28	22.27	22.31
		16QAM	1	0	23.00	22.62	22.59	22.52
			1	24	23.00	22.47	22.60	22.60
			1	49	23.00	22.62	22.70	22.63
			25	0	21.50	21.24	21.27	21.34
			25	12	21.50	21.26	21.28	21.29
			25	24	21.50	21.28	21.29	21.27
			50	0	21.50	21.25	21.28	21.35

Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		26047/1850.7	26365/1882.5	26683/1914.3
LTE Band 25	1.4MHz	QPSK	1	0	22.00	20.87	21.39	21.77
			1	2	22.00	20.81	21.28	21.69
			1	5	22.00	20.85	21.32	21.64
			3	0	22.00	21.05	21.29	21.83
			3	1	22.00	20.91	21.32	21.71
			3	2	22.00	20.93	21.27	21.74
			6	0	21.00	19.93	20.31	20.81

		16QAM	1	0	21.00	20.07	20.49	20.97
			1	2	21.00	20.01	20.59	20.94
			1	5	21.00	19.98	20.53	20.97
			3	0	21.00	19.98	20.35	20.75
			3	1	21.00	19.91	20.24	20.82
			3	2	21.00	19.93	20.21	20.69
			6	0	20.00	19.04	19.41	19.87
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		26055/1851.5	26365/1882.5	26675/1913.5
LTE Band 25	3MHz	QPSK	1	0	22.00	20.94	21.40	21.99
			1	7	22.00	20.78	21.38	21.77
			1	14	22.00	20.80	21.21	21.65
			8	0	21.00	19.95	20.43	20.88
			8	4	21.00	19.86	20.34	20.81
			8	7	21.00	19.84	20.27	20.85
			15	0	21.00	19.89	20.34	20.84
		16QAM	1	0	21.50	20.13	20.72	21.23
			1	7	21.50	19.95	20.54	21.08
			1	14	21.50	19.99	20.34	20.73
			8	0	20.00	19.05	19.47	19.97
			8	4	20.00	18.92	19.38	19.90
			8	7	20.00	18.95	19.34	19.92
			15	0	20.00	18.94	19.34	19.90
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		26065/1852.5	26365/1882.5	26665/1912.5
LTE Band 25	5MHz	QPSK	1	0	22.50	20.90	21.52	22.11
			1	12	22.50	20.84	21.32	21.97
			1	24	22.50	20.84	21.27	21.72
			12	0	21.50	20.00	20.54	21.09
			12	6	21.50	19.92	20.37	20.99
			12	11	21.50	19.92	20.28	20.93
			25	0	21.50	19.98	20.45	21.03
		16QAM	1	0	21.50	20.09	20.78	21.31
			1	12	21.50	20.13	20.56	21.22
			1	24	21.50	20.12	20.48	21.02
			12	0	20.50	19.08	19.55	20.15
			12	6	20.50	18.99	19.40	19.99
			12	11	20.50	18.90	19.30	19.94
			25	0	20.50	18.99	19.45	20.03
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		26090/1855	26365/1882.5	26640/1910
LTE Band 25	10MHz	QPSK	1	0	22.50	20.95	21.73	22.17
			1	24	22.50	20.85	21.38	22.05
			1	49	22.50	20.72	20.94	21.91
			25	0	21.50	19.99	20.66	21.26
			25	12	21.50	19.88	20.42	21.17

		16QAM	25	24	21.50	19.78	20.20	21.06
			50	0	21.50	19.92	20.43	21.16
			1	0	21.50	20.17	21.04	21.45
			1	24	21.50	20.16	20.56	21.32
			1	49	21.50	19.99	20.34	21.02
			25	0	20.50	19.00	19.67	20.26
			25	12	20.50	18.92	19.44	20.16
			25	24	20.50	18.92	19.20	20.03
			50	0	20.50	19.01	19.47	20.16
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		26115/1857.5	26365/1882.5	26615/1907.5
LTE Band 25	15MHz	QPSK	1	0	22.50	20.90	21.91	21.79
			1	37	22.50	20.84	21.37	22.16
			1	74	22.50	21.45	20.78	21.85
			36	0	21.50	19.94	20.71	21.02
			36	18	21.50	19.98	20.37	21.10
			36	37	21.50	20.23	20.10	21.08
			75	0	21.50	20.12	20.50	21.07
		16QAM	1	0	21.50	20.19	21.06	21.06
			1	37	21.50	20.14	20.67	21.35
			1	74	21.50	20.70	20.23	21.10
			36	0	20.50	18.94	19.72	20.03
			36	18	20.50	18.98	19.40	20.09
			36	37	20.50	19.18	19.14	20.05
			75	0	20.50	19.12	19.54	20.13
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		26140/1860	26365/1882.5	26590/1905
LTE Band 25	20MHz	QPSK	1	0	22.50	20.90	22.01	21.45
			1	49	22.50	21.08	21.39	22.13
			1	99	22.50	21.89	20.51	21.84
			50	0	21.50	19.91	20.82	20.77
			50	24	21.50	20.23	20.47	21.11
			50	49	21.50	20.62	20.15	21.09
			100	0	21.00	20.38	20.58	20.92
		16QAM	1	0	21.50	20.17	21.27	20.63
			1	49	21.50	20.45	20.63	21.36
			1	99	21.50	21.00	19.93	21.07
			50	0	20.50	19.04	19.82	19.75
			50	24	20.50	19.19	19.50	20.11
			50	49	20.50	19.62	19.15	20.12
			100	0	20.00	19.38	19.50	19.89

Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		26697/814.7	26740/819	26783/823.3
LTE Band 26a	1.4MHz	QPSK	1	0	23.50	23.08	23.07	23.00
			1	2	23.50	23.08	23.02	22.97
			1	5	23.50	23.01	23.13	22.97
			3	0	23.50	23.04	23.08	23.07
			3	1	23.50	22.91	23.05	23.02

		16QAM	3	2	23.50	22.89	23.09	23.01
			6	0	22.50	22.06	22.15	22.03
			1	0	22.50	22.05	22.27	22.24
			1	2	22.50	22.29	22.27	22.27
			1	5	22.50	22.19	22.35	22.33
			3	0	22.50	21.97	22.06	22.09
			3	1	22.50	21.98	22.17	22.04
			3	2	22.50	21.97	22.08	22.04
			6	0	21.50	21.08	21.19	21.14
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		26705/818.5	26740/819	26775/822.5
LTE Band 26a	3MHz	QPSK	1	0	23.50	22.94	23.11	23.07
			1	7	23.50	23.01	23.04	22.99
			1	14	23.50	22.98	23.10	23.10
			8	0	22.50	21.99	22.10	22.07
			8	4	22.50	22.00	22.13	22.06
			8	7	22.50	21.99	22.10	22.07
			15	0	22.50	22.01	22.11	22.07
		16QAM	1	0	22.50	22.17	22.32	22.36
			1	7	22.50	22.24	22.24	22.20
			1	14	22.50	22.25	22.30	22.32
			8	0	21.50	21.05	21.18	21.14
			8	4	21.50	21.05	21.19	21.17
			8	7	21.50	21.04	21.18	21.12
			15	0	21.50	21.05	21.12	21.12
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		26715/816.5	26740/819	26765/821.5
LTE Band 26a	5MHz	QPSK	1	0	23.50	23.10	23.16	23.10
			1	12	23.50	23.08	23.11	23.15
			1	24	23.50	23.04	23.07	23.06
			12	0	22.50	22.09	22.20	22.16
			12	6	22.50	22.07	22.14	22.14
			12	11	22.50	22.06	22.14	22.15
			25	0	22.50	22.13	22.18	22.17
		16QAM	1	0	23.00	22.25	22.50	22.38
			1	12	23.00	22.37	22.36	22.25
			1	24	23.00	22.36	22.29	22.35
			12	0	21.50	21.10	21.20	21.17
			12	6	21.50	21.09	21.18	21.17
			12	11	21.50	21.11	21.16	21.16
			25	0	21.50	21.12	21.20	21.20
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		/	26740/819	/
LTE Band 26a	10MHz	QPSK	1	0	23.50	/	23.10	/
			1	24	23.50	/	23.13	/
			1	49	23.50	/	23.01	/

			25	0	22.50	/	22.21	/
			25	12	22.50	/	22.15	/
			25	24	22.50	/	22.15	/
			50	0	22.50	/	22.19	/
		16QAM	1	0	22.50	/	22.42	/
			1	24	22.50	/	22.30	/
			1	49	22.50	/	22.27	/
			25	0	21.50	/	21.19	/
			25	12	21.50	/	21.12	/
			25	24	21.50	/	21.14	/
			50	0	21.50	/	21.15	/

Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		26797/824.7	26915/836.5	27033/848.3
LTE Band 26b	1.4MHz	QPSK	1	0	23.50	23.10	23.19	23.09
			1	2	23.50	23.19	23.19	22.96
			1	5	23.50	23.21	23.16	22.99
			3	0	23.50	23.16	23.18	23.08
			3	1	23.50	23.19	23.13	23.00
			3	2	23.50	23.12	23.14	23.03
		16QAM	6	0	22.50	22.11	22.20	22.04
			1	0	23.00	22.27	22.48	22.33
			1	2	23.00	22.22	22.50	22.22
			1	5	23.00	22.31	22.46	22.16
			3	0	22.50	22.20	22.21	22.18
			3	1	22.50	22.06	22.13	22.09
			3	2	22.50	22.27	22.10	22.09
			6	0	21.50	21.20	21.28	21.15
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		26805/825.5	26915/836.5	27025/847.5
LTE Band 26b	3MHz	QPSK	1	0	23.50	23.07	23.21	23.06
			1	7	23.50	23.11	23.15	23.06
			1	14	23.50	23.26	23.15	22.98
			8	0	22.50	22.12	22.22	22.16
			8	4	22.50	22.18	22.23	22.07
			8	7	22.50	22.16	22.21	22.10
			15	0	22.50	22.17	22.21	22.09
		16QAM	1	0	23.00	22.35	22.45	22.34
			1	7	23.00	22.39	22.43	22.23
			1	14	23.00	22.50	22.44	22.19
			8	0	21.50	21.19	21.24	21.19
			8	4	21.50	21.26	21.25	21.17
			8	7	21.50	21.26	21.27	21.16
			15	0	21.50	21.20	21.23	21.09
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		26815/826.5	26915/836.5	27015/846.5
LTE Band	5MHz	QPSK	1	0	23.50	23.15	23.30	23.15
			1	12	23.50	23.29	23.25	23.07

26b			1	24	23.50	23.14	23.20	23.12
			12	0	22.50	22.19	22.27	22.19
			12	6	22.50	22.25	22.28	22.13
			12	11	22.50	22.25	22.25	22.09
			25	0	22.50	22.27	22.31	22.17
		16QAM	1	0	23.00	22.25	22.56	22.44
			1	12	23.00	22.50	22.53	22.43
			1	24	23.00	22.42	22.46	22.27
			12	0	21.50	21.17	21.29	21.19
			12	6	21.50	21.23	21.31	21.20
			12	11	21.50	21.25	21.29	21.05
			25	0	21.50	21.26	21.28	21.20
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		26840/829	26915/836.5	26990/844
LTE Band 26b	10MHz	QPSK	1	0	23.50	23.10	23.29	23.24
			1	24	23.50	23.14	23.21	23.13
			1	49	23.50	23.28	23.27	23.12
			25	0	22.50	22.22	22.28	22.22
			25	12	22.50	22.22	22.25	22.14
			25	24	22.50	22.21	22.26	22.04
			50	0	22.50	22.21	22.27	22.17
		16QAM	1	0	23.00	22.41	22.56	22.53
			1	24	23.00	22.51	22.55	22.37
			1	49	23.00	22.59	22.56	22.36
			25	0	21.50	21.17	21.26	21.21
			25	12	21.50	21.20	21.24	21.11
			25	24	21.50	21.21	21.27	21.02
			50	0	21.50	21.22	21.28	21.12
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		26865/831.5	26915/836.5	26965/841.5
LTE Band 26b	15MHz	QPSK	1	0	23.50	23.19	23.25	23.36
			1	37	23.50	23.36	23.25	23.28
			1	74	23.50	23.29	23.24	23.08
			36	0	22.50	22.26	22.30	22.27
			36	18	22.50	22.22	22.28	22.24
			36	37	22.50	22.24	22.31	22.09
			75	0	22.50	22.27	22.31	22.23
		16QAM	1	0	23.00	22.45	22.44	22.54
			1	37	23.00	22.50	22.54	22.56
			1	74	23.00	22.44	22.47	22.30
			36	0	21.50	21.26	21.33	21.26
			36	18	21.50	21.25	21.29	21.25
			36	37	21.50	21.21	21.28	21.09
			75	0	21.50	21.30	21.32	21.22

Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		131979/1710.7	132322/1745	132665/1779.3

LTE Band 66	1.4MHz	QPSK	1	0	22.00	21.40	21.53	21.87
			1	2	22.00	21.39	21.48	21.89
			1	5	22.00	21.37	21.49	21.87
			3	0	22.00	21.38	21.52	21.85
			3	1	22.00	21.34	21.51	21.88
			3	2	22.00	21.37	21.46	21.82
			6	0	21.00	20.35	20.51	20.87
		16QAM	1	0	21.50	20.63	20.72	21.08
			1	2	21.50	20.49	20.84	21.04
			1	5	21.50	20.56	20.82	21.08
			3	0	21.00	20.33	20.46	20.92
			3	1	21.00	20.23	20.49	20.80
			3	2	21.00	20.18	20.44	20.81
			6	0	20.00	19.41	19.55	20.00
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		131987/1711.5	132322/1745	132657/1778.5
LTE Band 66	3MHz	QPSK	1	0	22.00	21.33	21.57	21.98
			1	7	22.00	21.20	21.48	21.86
			1	14	22.00	21.21	21.50	21.87
			8	0	21.00	20.34	20.57	21.00
			8	4	21.00	20.23	20.51	20.92
			8	7	21.00	20.22	20.47	20.92
			15	0	21.00	20.24	20.50	20.96
		16QAM	1	0	21.50	20.62	20.86	21.27
			1	7	21.50	20.41	20.71	21.26
			1	14	21.50	20.43	20.82	21.19
			8	0	20.50	19.37	19.62	20.06
			8	4	20.50	19.33	19.57	19.97
			8	7	20.50	19.29	19.52	19.96
			15	0	20.00	19.29	19.52	19.94
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		131997/1712.5	132322/1745	132647/1777.5
LTE Band 66	5MHz	QPSK	1	0	22.50	21.38	21.64	22.17
			1	12	22.50	21.25	21.53	21.97
			1	24	22.50	21.25	21.53	21.91
			12	0	21.50	20.33	20.63	21.11
			12	6	21.50	20.26	20.57	21.02
			12	11	21.50	20.21	20.48	21.00
			25	0	21.50	20.35	20.60	21.08
		16QAM	1	0	21.50	20.67	20.98	21.45
			1	12	21.50	20.55	20.83	21.23
			1	24	21.50	20.59	20.80	21.22
			12	0	20.50	19.35	19.61	20.13
			12	6	20.50	19.30	19.60	20.05
			12	11	20.50	19.24	19.52	19.99
			25	0	20.50	19.32	19.59	20.07
Band	Band Width	Modulation	RB Configuration		Tune-up	Channel/Frequency(MHz)		

			RB Size	RB Offset	(dBm)	132022/1715	132322/1745	132622/1775
LTE Band 66	10MHz	QPSK	1	0	22.50	21.39	21.82	22.26
			1	24	22.50	21.25	21.56	22.20
			1	49	22.50	21.47	21.52	21.96
			25	0	21.50	20.35	20.73	21.33
			25	12	21.50	20.28	20.57	21.17
			25	24	21.50	20.33	20.52	21.07
			50	0	21.50	20.35	20.61	21.20
		16QAM	1	0	22.00	20.57	21.07	21.58
			1	24	22.00	20.59	20.80	21.46
			1	49	22.00	20.85	20.80	21.30
			25	0	20.50	19.33	19.74	20.33
			25	12	20.50	19.25	19.57	20.17
			25	24	20.50	19.34	19.50	20.07
			50	0	20.50	19.36	19.63	20.21
Band	Band Width	Modulation	RB Configuration		Tune- up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		132047/1717.5	132322/1745	132597/1772.5
LTE Band 66	15MHz	QPSK	1	0	22.50	21.40	21.87	22.19
			1	37	22.50	21.34	21.61	22.18
			1	74	22.50	21.78	21.56	21.87
			36	0	21.50	20.29	20.75	21.23
			36	18	21.50	20.33	20.54	21.15
			36	37	21.50	20.57	20.50	21.01
			75	0	21.50	20.46	20.66	21.15
		16QAM	1	0	21.50	20.67	21.06	21.47
			1	37	21.50	20.70	20.91	21.42
			1	74	21.50	20.92	20.96	21.10
			36	0	20.50	19.28	19.75	20.21
			36	18	20.50	19.32	19.55	20.10
			36	37	20.50	19.58	19.47	20.01
			75	0	20.50	19.49	19.68	20.18
Band	Band Width	Modulation	RB Configuration		Tune- up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		132072/1720	132322/1745	132572/1770
LTE Band 66	20MHz	QPSK	1	0	22.50	21.36	21.92	21.99
			1	49	22.50	21.50	21.60	22.21
			1	99	22.50	22.05	21.66	21.90
			50	0	21.50	20.38	20.88	21.22
			50	24	21.50	20.56	20.65	21.24
			50	49	21.50	20.91	20.57	21.04
			100	0	21.50	20.68	20.75	21.13
		16QAM	1	0	21.50	20.61	21.15	21.24
			1	49	21.50	20.68	20.81	21.42
			1	99	21.50	21.34	21.02	21.15
			50	0	20.50	19.34	19.87	20.23
			50	24	20.50	19.54	19.65	20.25
			50	49	20.50	19.87	19.56	20.08
			100	0	20.50	19.65	19.74	20.11

5G NR Conducted Power

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Tune-up (dBm)	Power (dBm)
n78(3450-3550)	30	10	630334	1@1	DFT_BPSK	25	24.83
n78(3450-3550)	30	10	630334	24@0	DFT_QPSK	24.5	24.04
n78(3450-3550)	30	10	630334	12@6	DFT_QPSK	25.5	25.13
n78(3450-3550)	30	10	630334	1@1	DFT_QPSK	25	24.86
n78(3450-3550)	30	10	630334	1@22	DFT_QPSK	25	24.94
n78(3450-3550)	30	10	630334	1@1	DFT_QAM16	24	23.86
n78(3450-3550)	30	10	630334	1@1	DFT_QAM64	22.5	22.39
n78(3450-3550)	30	10	630334	1@1	DFT_QAM256	20.5	20.22
n78(3450-3550)	30	10	630334	1@1	CP_QPSK	23.5	23.41
n78(3450-3550)	30	10	633334	1@1	DFT_BPSK	25.5	25.1
n78(3450-3550)	30	10	633334	24@0	DFT_QPSK	24.5	24.32
n78(3450-3550)	30	10	633334	12@6	DFT_QPSK	25.5	25.28
n78(3450-3550)	30	10	633334	1@1	DFT_QPSK	25.5	25.15
n78(3450-3550)	30	10	633334	1@22	DFT_QPSK	25.5	25.17
n78(3450-3550)	30	10	633334	1@1	DFT_QAM16	21.5	24.11
n78(3450-3550)	30	10	633334	1@1	DFT_QAM64	23	22.68
n78(3450-3550)	30	10	633334	1@1	DFT_QAM256	21	20.51
n78(3450-3550)	30	10	633334	1@1	CP_QPSK	24	23.78
n78(3450-3550)	30	10	636332	1@1	DFT_BPSK	25.5	25.3
n78(3450-3550)	30	10	636332	24@0	DFT_QPSK	24.5	24.47
n78(3450-3550)	30	10	636332	12@6	DFT_QPSK	25.5	25.4
n78(3450-3550)	30	10	636332	1@1	DFT_QPSK	25.5	25.35
n78(3450-3550)	30	10	636332	1@22	DFT_QPSK	25.5	25.43
n78(3450-3550)	30	10	636332	1@1	DFT_QAM16	24.5	24.49
n78(3450-3550)	30	10	636332	1@1	DFT_QAM64	23	22.98
n78(3450-3550)	30	10	636332	1@1	DFT_QAM256	21	20.7
n78(3450-3550)	30	10	636332	1@1	CP_QPSK	24	23.98
n78(3450-3550)	30	15	630500	1@1	DFT_BPSK	25	24.81

n78(3450-3550)	30	15	630500	36@0	DFT_QPSK	24	24
n78(3450-3550)	30	15	630500	18@9	DFT_QPSK	25.5	25.1
n78(3450-3550)	30	15	630500	1@1	DFT_QPSK	25	24.84
n78(3450-3550)	30	15	630500	1@36	DFT_QPSK	25	24.91
n78(3450-3550)	30	15	630500	1@1	DFT_QAM16	24	23.96
n78(3450-3550)	30	15	630500	1@1	DFT_QAM64	22.5	22.4
n78(3450-3550)	30	15	630500	1@1	DFT_QAM256	20.5	20.27
n78(3450-3550)	30	15	630500	1@1	CP_QPSK	23.5	23.37
n78(3450-3550)	30	15	633334	1@1	DFT_BPSK	25.5	25.06
n78(3450-3550)	30	15	633334	36@0	DFT_QPSK	24.5	24.18
n78(3450-3550)	30	15	633334	18@9	DFT_QPSK	25.5	25.3
n78(3450-3550)	30	15	633334	1@1	DFT_QPSK	25.5	25.11
n78(3450-3550)	30	15	633334	1@36	DFT_QPSK	25.5	25.14
n78(3450-3550)	30	15	633334	1@1	DFT_QAM16	24.5	24.21
n78(3450-3550)	30	15	633334	1@1	DFT_QAM64	23	22.66
n78(3450-3550)	30	15	633334	1@1	DFT_QAM256	21	20.59
n78(3450-3550)	30	15	633334	1@1	CP_QPSK	24	23.68
n78(3450-3550)	30	15	636166	1@1	DFT_BPSK	25.5	25.31
n78(3450-3550)	30	15	636166	36@0	DFT_QPSK	24.5	24.43
n78(3450-3550)	30	15	636166	18@9	DFT_QPSK	25.5	25.47
n78(3450-3550)	30	15	636166	1@1	DFT_QPSK	25.5	25.32
n78(3450-3550)	30	15	636166	1@36	DFT_QPSK	25.5	25.41
n78(3450-3550)	30	15	636166	1@1	DFT_QAM16	24.5	24.42
n78(3450-3550)	30	15	636166	1@1	DFT_QAM64	23	22.92
n78(3450-3550)	30	15	636166	1@1	DFT_QAM256	21	20.72
n78(3450-3550)	30	15	636166	1@1	CP_QPSK	24	23.87
n78(3450-3550)	30	20	630668	1@1	DFT_BPSK	25	24.82
n78(3450-3550)	30	20	630668	50@0	DFT_QPSK	24.5	24.01
n78(3450-3550)	30	20	630668	25@12	DFT_QPSK	25.5	25.13
n78(3450-3550)	30	20	630668	1@1	DFT_QPSK	25	24.87
n78(3450-3550)	30	20	630668	1@49	DFT_QPSK	25	24.85

n78(3450-3550)	30	20	630668	1@1	DFT_QAM16	24	23.96
n78(3450-3550)	30	20	630668	1@1	DFT_QAM64	22.5	22.42
n78(3450-3550)	30	20	630668	1@1	DFT_QAM256	20.5	20.26
n78(3450-3550)	30	20	630668	1@1	CP_QPSK	23.4	23.4
n78(3450-3550)	30	20	633334	1@1	DFT_BPSK	25.5	25.04
n78(3450-3550)	30	20	633334	50@0	DFT_QPSK	24.5	24.24
n78(3450-3550)	30	20	633334	25@12	DFT_QPSK	25.5	25.27
n78(3450-3550)	30	20	633334	1@1	DFT_QPSK	25.5	25.1
n78(3450-3550)	30	20	633334	1@49	DFT_QPSK	25.5	25.14
n78(3450-3550)	30	20	633334	1@1	DFT_QAM16	24.5	24.2
n78(3450-3550)	30	20	633334	1@1	DFT_QAM64	23	22.71
n78(3450-3550)	30	20	633334	1@1	DFT_QAM256	21	20.53
n78(3450-3550)	30	20	633334	1@1	CP_QPSK	24	23.67
n78(3450-3550)	30	20	636000	1@1	DFT_BPSK	25.5	25.24
n78(3450-3550)	30	20	636000	50@0	DFT_QPSK	24.5	24.46
n78(3450-3550)	30	20	636000	25@12	DFT_QPSK	25.5	25.46
n78(3450-3550)	30	20	636000	1@1	DFT_QPSK	25.5	25.31
n78(3450-3550)	30	20	636000	1@49	DFT_QPSK	25.5	25.4
n78(3450-3550)	30	20	636000	1@1	DFT_QAM16	24.5	24.39
n78(3450-3550)	30	20	636000	1@1	DFT_QAM64	23	22.91
n78(3450-3550)	30	20	636000	1@1	DFT_QAM256	21	20.66
n78(3450-3550)	30	20	636000	1@1	CP_QPSK	24	23.87
n78(3450-3550)	30	40	631334	1@1	DFT_BPSK	25	24.79
n78(3450-3550)	30	40	631334	100@0	DFT_QPSK	24	23.93
n78(3450-3550)	30	40	631334	50@25	DFT_QPSK	25	24.9
n78(3450-3550)	30	40	631334	1@1	DFT_QPSK	25	24.82
n78(3450-3550)	30	40	631334	1@104	DFT_QPSK	25	24.98
n78(3450-3550)	30	40	631334	1@1	DFT_QAM16	24	23.9
n78(3450-3550)	30	40	631334	1@1	DFT_QAM64	22.5	22.46
n78(3450-3550)	30	40	631334	1@1	DFT_QAM256	20.5	20.3
n78(3450-3550)	30	40	631334	1@1	CP_QPSK	23.5	23.35

n78(3450-3550)	30	40	633334	1@1	DFT_BPSK	25	24.82
n78(3450-3550)	30	40	633334	100@0	DFT_QPSK	24.5	24.16
n78(3450-3550)	30	40	633334	50@25	DFT_QPSK	25.5	25.18
n78(3450-3550)	30	40	633334	1@1	DFT_QPSK	25	24.85
n78(3450-3550)	30	40	633334	1@104	DFT_QPSK	25.5	25.14
n78(3450-3550)	30	40	633334	1@1	DFT_QAM16	24	23.93
n78(3450-3550)	30	40	633334	1@1	DFT_QAM64	22.5	22.45
n78(3450-3550)	30	40	633334	1@1	DFT_QAM256	20.5	20.37
n78(3450-3550)	30	40	633334	1@1	CP_QPSK	23.5	23.39
n78(3450-3550)	30	40	635332	1@1	DFT_BPSK	25.5	25.08
n78(3450-3550)	30	40	635332	100@0	DFT_QPSK	24.5	24.31
n78(3450-3550)	30	40	635332	50@25	DFT_QPSK	23.5	25.35
n78(3450-3550)	30	40	635332	1@1	DFT_QPSK	25.5	25.14
n78(3450-3550)	30	40	635332	1@104	DFT_QPSK	25.5	25.32
n78(3450-3550)	30	40	635332	1@1	DFT_QAM16	24.5	24.22
n78(3450-3550)	30	40	635332	1@1	DFT_QAM64	23	22.76
n78(3450-3550)	30	40	635332	1@1	DFT_QAM256	21	20.57
n78(3450-3550)	30	40	635332	1@1	CP_QPSK	24	23.66
n78(3450-3550)	30	50	631668	1@1	DFT_BPSK	25	24.74
n78(3450-3550)	30	50	631668	128@0	DFT_QPSK	24	23.97
n78(3450-3550)	30	50	631668	64@32	DFT_QPSK	25	24.95
n78(3450-3550)	30	50	631668	1@1	DFT_QPSK	25	24.8
n78(3450-3550)	30	50	631668	1@131	DFT_QPSK	25	24.99
n78(3450-3550)	30	50	631668	1@1	DFT_QAM16	24	23.87
n78(3450-3550)	30	50	631668	1@1	DFT_QAM64	22.5	22.39
n78(3450-3550)	30	50	631668	1@1	DFT_QAM256	20.5	20.25
n78(3450-3550)	30	50	631668	1@1	CP_QPSK	23.5	23.28
n78(3450-3550)	30	50	633334	1@1	DFT_BPSK	25	24.71
n78(3450-3550)	30	50	633334	128@0	DFT_QPSK	24.5	24.16
n78(3450-3550)	30	50	633334	64@32	DFT_QPSK	25.5	25.19
n78(3450-3550)	30	50	633334	1@1	DFT_QPSK	25	24.75

n78(3450-3550)	30	50	633334	1@131	DFT_QPSK	25.5	25.12
n78(3450-3550)	30	50	633334	1@1	DFT_QAM16	24	23.82
n78(3450-3550)	30	50	633334	1@1	DFT_QAM64	22.5	22.4
n78(3450-3550)	30	50	633334	1@1	DFT_QAM256	20.5	20.25
n78(3450-3550)	30	50	633334	1@1	CP_QPSK	23.5	23.27
n78(3450-3550)	30	50	635000	1@1	DFT_BPSK	25	24.99
n78(3450-3550)	30	50	635000	128@0	DFT_QPSK	24.5	24.33
n78(3450-3550)	30	50	635000	64@32	DFT_QPSK	25.5	25.34
n78(3450-3550)	30	50	635000	1@1	DFT_QPSK	25.5	25.05
n78(3450-3550)	30	50	635000	1@131	DFT_QPSK	25.5	25.28
n78(3450-3550)	30	50	635000	1@1	DFT_QAM16	24.5	24.13
n78(3450-3550)	30	50	635000	1@1	DFT_QAM64	23	22.65
n78(3450-3550)	30	50	635000	1@1	DFT_QAM256	21	20.51
n78(3450-3550)	30	50	635000	1@1	CP_QPSK	24	23.59
n78(3450-3550)	30	60	632000	1@1	DFT_BPSK	25	24.79
n78(3450-3550)	30	60	632000	162@0	DFT_QPSK	24.5	24.01
n78(3450-3550)	30	60	632000	81@40	DFT_QPSK	25	24.98
n78(3450-3550)	30	60	632000	1@1	DFT_QPSK	25	24.84
n78(3450-3550)	30	60	632000	1@160	DFT_QPSK	25.4	25.03
n78(3450-3550)	30	60	632000	1@1	DFT_QAM16	24	23.89
n78(3450-3550)	30	60	632000	1@1	DFT_QAM64	22.5	22.43
n78(3450-3550)	30	60	632000	1@1	DFT_QAM256	20.5	20.27
n78(3450-3550)	30	60	632000	1@1	CP_QPSK	23.5	23.32
n78(3450-3550)	30	60	633334	1@1	DFT_BPSK	25	24.74
n78(3450-3550)	30	60	633334	162@0	DFT_QPSK	24.5	24.16
n78(3450-3550)	30	60	633334	81@40	DFT_QPSK	25.5	25.12
n78(3450-3550)	30	60	633334	1@1	DFT_QPSK	25	24.84
n78(3450-3550)	30	60	633334	1@160	DFT_QPSK	25.5	25.18
n78(3450-3550)	30	60	633334	1@1	DFT_QAM16	24	23.83
n78(3450-3550)	30	60	633334	1@1	DFT_QAM64	22.5	22.39
n78(3450-3550)	30	60	633334	1@1	DFT_QAM256	20.5	20.3

n78(3450-3550)	30	60	633334	1@1	CP_QPSK	23.5	23.28
n78(3450-3550)	30	60	634666	1@1	DFT_BPSK	25.5	25.07
n78(3450-3550)	30	60	634666	162@0	DFT_QPSK	24.5	24.25
n78(3450-3550)	30	60	634666	81@40	DFT_QPSK	25.5	25.28
n78(3450-3550)	30	60	634666	1@1	DFT_QPSK	25.5	25.09
n78(3450-3550)	30	60	634666	1@160	DFT_QPSK	25.5	25.34
n78(3450-3550)	30	60	634666	1@1	DFT_QAM16	24.5	24.16
n78(3450-3550)	30	60	634666	1@1	DFT_QAM64	23	22.71
n78(3450-3550)	30	60	634666	1@1	DFT_QAM256	21	20.52
n78(3450-3550)	30	60	634666	1@1	CP_QPSK	24	23.57
n78(3450-3550)	30	70	632334	1@1	DFT_BPSK	22.5	22.02
n78(3450-3550)	30	70	632334	162@0	DFT_QPSK	22.5	22.01
n78(3450-3550)	30	70	632334	81@40	DFT_QPSK	22.5	22.04
n78(3450-3550)	30	70	632334	1@1	DFT_QPSK	22.5	22.03
n78(3450-3550)	30	70	632334	1@160	DFT_QPSK	22.5	22.03
n78(3450-3550)	30	70	632334	1@1	DFT_QAM16	22.5	22.04
n78(3450-3550)	30	70	632334	1@1	DFT_QAM64	22.5	22.04
n78(3450-3550)	30	70	632334	1@1	DFT_QAM256	22.5	22.04
n78(3450-3550)	30	70	632334	1@1	CP_QPSK	22.5	22.03
n78(3450-3550)	30	70	633334	1@1	DFT_BPSK	22.5	22.22
n78(3450-3550)	30	70	633334	162@0	DFT_QPSK	22.5	22.2
n78(3450-3550)	30	70	633334	81@40	DFT_QPSK	22.5	22.21
n78(3450-3550)	30	70	633334	1@1	DFT_QPSK	22.5	22.21
n78(3450-3550)	30	70	633334	1@160	DFT_QPSK	22.5	22.21
n78(3450-3550)	30	70	633334	1@1	DFT_QAM16	22.5	22.22
n78(3450-3550)	30	70	633334	1@1	DFT_QAM64	22.5	22.23
n78(3450-3550)	30	70	633334	1@1	DFT_QAM256	22.5	22.24
n78(3450-3550)	30	70	633334	1@1	CP_QPSK	22.5	22.2
n78(3450-3550)	30	70	634332	1@1	DFT_BPSK	22.5	22.3
n78(3450-3550)	30	70	634332	162@0	DFT_QPSK	22.5	22.29
n78(3450-3550)	30	70	634332	81@40	DFT_QPSK	22.5	22.27

n78(3450-3550)	30	70	634332	1@1	DFT_QPSK	22.5	22.32
n78(3450-3550)	30	70	634332	1@160	DFT_QPSK	22.5	22.28
n78(3450-3550)	30	70	634332	1@1	DFT_QAM16	22.5	22.31
n78(3450-3550)	30	70	634332	1@1	DFT_QAM64	22.5	22.31
n78(3450-3550)	30	70	634332	1@1	DFT_QAM256	22.5	22.3
n78(3450-3550)	30	70	634332	1@1	CP_QPSK	22.5	22.32
n78(3450-3550)	30	80	632668	1@1	DFT_BPSK	25	24.76
n78(3450-3550)	30	80	632668	216@0	DFT_QPSK	24.5	24.01
n78(3450-3550)	30	80	632668	108@54	DFT_QPSK	25.5	25.02
n78(3450-3550)	30	80	632668	1@1	DFT_QPSK	25	24.85
n78(3450-3550)	30	80	632668	1@215	DFT_QPSK	25.5	25.11
n78(3450-3550)	30	80	632668	1@1	DFT_QAM16	24	23.84
n78(3450-3550)	30	80	632668	1@1	DFT_QAM64	22.5	22.31
n78(3450-3550)	30	80	632668	1@1	DFT_QAM256	20.5	20.25
n78(3450-3550)	30	80	632668	1@1	CP_QPSK	23.5	23.29
n78(3450-3550)	30	80	633334	1@1	DFT_BPSK	25	24.87
n78(3450-3550)	30	80	633334	216@0	DFT_QPSK	24.5	24.07
n78(3450-3550)	30	80	633334	108@54	DFT_QPSK	25.5	25.11
n78(3450-3550)	30	80	633334	1@1	DFT_QPSK	25	24.96
n78(3450-3550)	30	80	633334	1@215	DFT_QPSK	25.5	25.12
n78(3450-3550)	30	80	633334	1@1	DFT_QAM16	24	23.97
n78(3450-3550)	30	80	633334	1@1	DFT_QAM64	22.5	22.46
n78(3450-3550)	30	80	633334	1@1	DFT_QAM256	20.5	20.37
n78(3450-3550)	30	80	633334	1@1	CP_QPSK	23.5	23.39
n78(3450-3550)	30	80	634000	1@1	DFT_BPSK	25	24.74
n78(3450-3550)	30	80	634000	216@0	DFT_QPSK	24.5	24.16
n78(3450-3550)	30	80	634000	108@54	DFT_QPSK	25.5	25.23
n78(3450-3550)	30	80	634000	1@1	DFT_QPSK	25	24.83
n78(3450-3550)	30	80	634000	1@215	DFT_QPSK	25.5	25.22
n78(3450-3550)	30	80	634000	1@1	DFT_QAM16	24	23.88
n78(3450-3550)	30	80	634000	1@1	DFT_QAM64	22.5	22.35

n78(3450-3550)	30	80	634000	1@1	DFT_QAM256	20.5	20.29
n78(3450-3550)	30	80	634000	1@1	CP_QPSK	23.5	23.27
n78(3450-3550)	30	90	633000	1@1	DFT_BPSK	25	24.73
n78(3450-3550)	30	90	633000	240@0	DFT_QPSK	24.5	24.08
n78(3450-3550)	30	90	633000	120@60	DFT_QPSK	25.5	25.11
n78(3450-3550)	30	90	633000	1@1	DFT_QPSK	25	24.77
n78(3450-3550)	30	90	633000	1@243	DFT_QPSK	25.5	25.02
n78(3450-3550)	30	90	633000	1@1	DFT_QAM16	24	23.79
n78(3450-3550)	30	90	633000	1@1	DFT_QAM64	22.5	22.41
n78(3450-3550)	30	90	633000	1@1	DFT_QAM256	20.5	20.16
n78(3450-3550)	30	90	633000	1@1	CP_QPSK	23.5	23.29
n78(3450-3550)	30	90	633334	1@1	DFT_BPSK	25	24.79
n78(3450-3550)	30	90	633334	240@0	DFT_QPSK	24.5	24.12
n78(3450-3550)	30	90	633334	120@60	DFT_QPSK	25.5	25.19
n78(3450-3550)	30	90	633334	1@1	DFT_QPSK	25	24.86
n78(3450-3550)	30	90	633334	1@243	DFT_QPSK	25.5	25.1
n78(3450-3550)	30	90	633334	1@1	DFT_QAM16	24	23.9
n78(3450-3550)	30	90	633334	1@1	DFT_QAM64	22.5	22.42
n78(3450-3550)	30	90	633334	1@1	DFT_QAM256	20.5	20.34
n78(3450-3550)	30	90	633334	1@1	CP_QPSK	23.5	23.34
n78(3450-3550)	30	90	633666	1@1	DFT_BPSK	25	24.88
n78(3450-3550)	30	90	633666	240@0	DFT_QPSK	24.5	24.15
n78(3450-3550)	30	90	633666	120@60	DFT_QPSK	25.5	25.22
n78(3450-3550)	30	90	633666	1@1	DFT_QPSK	25	24.98
n78(3450-3550)	30	90	633666	1@243	DFT_QPSK	25.5	25.23
n78(3450-3550)	30	90	633666	1@1	DFT_QAM16	24	24
n78(3450-3550)	30	90	633666	1@1	DFT_QAM64	23	22.51
n78(3450-3550)	30	90	633666	1@1	DFT_QAM256	20.5	20.37
n78(3450-3550)	30	90	633666	1@1	CP_QPSK	23.5	23.46
n78(3450-3550)	30	100	633334	1@1	DFT_BPSK	25	24.76
n78(3450-3550)	30	100	633334	270@0	DFT_QPSK	24.5	24.13

n78(3450-3550)	30	100	633334	135@67	DFT_QPSK	25.5	25.17
n78(3450-3550)	30	100	633334	1@1	DFT_QPSK	25	24.82
n78(3450-3550)	30	100	633334	1@271	DFT_QPSK	25.5	25.17
n78(3450-3550)	30	100	633334	1@1	DFT_QAM16	24	23.81
n78(3450-3550)	30	100	633334	1@1	DFT_QAM64	22.5	22.35
n78(3450-3550)	30	100	633334	1@1	DFT_QAM256	20.5	20.19
n78(3450-3550)	30	100	633334	1@1	CP_QPSK	23.5	23.25

WLAN & Bluetooth Output Power

Mode	Channel	Frequency (MHz)	Tune-up (dBm)	Output Power (dBm)	Tune-up (dBm)	Output Power (dBm)	Tune-up (dBm)	Output Power (dBm)
			Ant1		Ant2		MIMO	
802.11b	1	2412	15.00	14.74	16.50	15.69	N/A	
	6	2437	15.00	14.64	16.50	16.15	N/A	
	11	2462	15.00	14.07	16.50	15.25	N/A	
802.11g	1	2412	13.50	13.39	15.00	14.2	N/A	
	6	2437	13.50	13.32	15.00	14.63	N/A	
	11	2462	13.50	12.40	15.00	13.77	N/A	
802.11n HT20	1	2412	12.50	12.07	14.00	13.33	14.50	13.94
	6	2437	12.50	12.49	14.00	13.73	14.50	14.17
	11	2462	12.50	11.52	14.00	12.76	14.50	13.10
802.11n HT40	3	2422	12.50	12.28	13.50	13.27	14.50	13.99
	6	2437	12.50	12.46	13.50	13.4	14.50	14.02
	9	2452	12.50	11.98	13.50	13.35	14.50	13.78

NOTE: Power measurement results of WLAN 2.4G.

Mode	Channel	Frequency (MHz)	Tune-up (dBm)	Output Power (dBm)	Tune-up (dBm)	Output Power (dBm)	Tune-up (dBm)	Output Power (dBm)
			Ant1		Ant2		MIMO	
802.11a	36	5180	11.50	11.15	8.00	7.09	N/A	
	40	5200	11.50	11.27	8.00	7.33	N/A	
	48	5240	11.50	11.46	8.00	7.93	N/A	
802.11n HT20	36	5180	11.50	11.01	8.00	6.93	13.00	12.07
	40	5200	11.50	11.18	8.00	7.22	13.00	12.37
	48	5240	11.50	11.31	8.00	7.86	13.00	12.77
802.11n HT40	38	5190	11.50	11.33	8.00	7.57	13.00	12.51
	46	5230	11.50	11.47	8.00	7.99	13.00	12.71
802.11ac VHT20	36	5180	11.50	11.21	8.00	6.97	13.00	12.05
	40	5200	11.50	11.34	8.00	7.14	13.00	12.25
	48	5240	11.50	11.01	8.00	7.85	13.00	12.71
802.11ac	38	5190	12.00	11.51	8.00	7.52	13.00	12.55

VHT40	46	5230	12.00	11.35	8.00	7.96	13.00	12.90
802.11ac VHT80	42	5210	11.50	11.14	7.50	7.2	12.50	12.41

NOTE: Power measurement results of WLAN 5.2G.

Mode	Channel	Frequency (MHz)	Tune-up (dBm)	Output Power (dBm)	Tune-up (dBm)	Output Power (dBm)	Tune-up (dBm)	Output Power (dBm)
			Ant1		Ant2		MIMO	
802.11a	149	5745	12.00	11.88	12.50	10.52	N/A	
	157	5785	12.00	11.15	12.50	11.22	N/A	
	165	5825	12.00	10.50	12.50	12.25	N/A	
802.11n HT20	149	5745	12.00	11.73	12.50	10.74	13.00	12.89
	157	5785	12.00	10.90	12.50	11.13	13.00	12.68
	165	5825	12.00	10.16	12.50	12.15	13.00	12.99
802.11n HT40	151	5755	12.00	11.77	11.00	10.56	13.00	12.99
	159	5795	12.00	11.03	11.00	10.56	13.00	12.95
802.11ac VHT20	149	5745	12.00	11.80	12.50	10.36	13.50	13.01
	157	5785	12.00	11.20	12.50	11.19	13.50	12.63
	165	5825	12.00	10.14	12.50	12.23	13.50	12.91
802.11ac VHT40	151	5755	12.00	11.77	12.00	10.54	13.00	12.95
	159	5795	12.00	10.93	12.00	11.51	13.00	12.91
802.11ac VHT80	155	5775	11.50	11.34	11.00	10.83	13.00	12.74

NOTE: Power measurement results of WLAN 5.8G.

BR+EDR	Output Power (dBm)				
	Data Rates	Tune-up (dBm)	Channel		
			0CH	39CH	78CH
	1M	10	9.00	9.70	8.91
	2M	10	8.42	9.47	8.36
	3M	10	8.97	9.99	8.69

BLE	Output Power (dBm)				
	Data Rates	Tune-up (dBm)	Channe		
			0CH	19CH	39CH
	1M	-0.50	-1.29	-0.95	-2.35
	2M	-1.00	-1.14	-1.04	-2.22

NOTE: Power measurement results of Bluetooth.

Gaolei Yan

Gaolei Yan / Manager

Date/City: 2025-02-21 / Shenzhen

Phone: 0755-61156588

Fax: 0755-61156588

E-mail: okygl2011@163.com