

Tune Up Procedures

Use software to control the output power level as following forms, this software is not open to users.

Manufacturing Tolerance

NFC

Output power Tune up(dBm)	Average Conducted Output Power (dBm)
	13.56MHz
0	<0

Antenna 0:

Bluetooth

BR+EDR	Output Power (dBm)				
	Channel	Tune-up (dBm)	Data Rates		
			1M	2M	3M
	0CH	10.00	9.86	9.35	9.82
	39CH	10.00	9.97	9.58	9.63
	78CH	11.00	10.85	10.55	10.78

Mode	Channel	Tune-up (dBm)	Output Power (dBm)
BLE1M	CH00	-3.00	-3.58
	CH19	-2.00	-2.74
	CH39	-2.00	-2.63

2.4GWLAN

Mode	Channel	Frequency (MHz)	Tune-up (dBm)	Output Power (dBm)
802.11b	1	2412	14.50	12.55
	6	2437	14.50	13.83
	11	2462	14.50	14.09
802.11g	1	2412	15.00	14.32
	6	2437	17.00	16.58
	11	2462	17.00	16.23
802.11n HT20	1	2412	15.50	13.56
	6	2437	15.50	14.75
	11	2462	15.50	15.21
802.11n HT40	3	2422	13.50	12.36
	6	2437	13.50	12.45
	9	2452	13.50	13.42

Tune Up Procedures

5GWLAN

Mode	Channel	Frequency (MHz)	Tune-up (dBm)	Output Power (dBm)
802.11a	36	5180	13.50	12.83
	40	5200	13.50	13.09
	48	5240	13.50	13.07
802.11n HT20	36	5180	11.00	10.64
	40	5200	13.00	13.00
	48	5240	13.50	13.08
802.11n HT40	38	5190	12.00	11.78
	46	5230	12.00	11.88
802.11ac VHT20	36	5180	13.50	12.74
	40	5200	13.50	13.04
	48	5240	13.50	12.97
802.11ac VHT40	38	5190	13.50	12.74
	46	5230	13.50	13.04
802.11ac VHT80	42	5210	12.00	11.84

Mode	Channel	Frequency (MHz)	Tune-up (dBm)	Output Power (dBm)
802.11a	52	5260	13.50	13.40
	56	5280	13.50	13.26
	64	5320	13.50	12.96
802.11n HT20	52	5260	13.00	12.89
	56	5280	13.00	12.43
	64	5320	13.00	12.30
802.11n HT40	54	5270	12.00	11.55

	62	5310	12.00	11.00
802.11ac VHT20	52	5260	13.00	12.91
	56	5280	13.00	12.36
	64	5320	13.00	12.33
802.11ac VHT40	54	5270	12.00	11.70
	62	5310	12.00	11.10
802.11ac VHT80	58	5290	11.50	11.38

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Mode	Channel	Frequency (MHz)	Tune-up (dBm)	Output Power (dBm)
802.11a	100	5500	12.00	11.70
	120	5600	11.00	10.39
	140	5700	13.00	12.77
802.11n	100	5500	14.00	13.09
	120	5600	14.00	12.13
	140	5700	14.00	13.82
802.11n	102	5510	11.00	10.23
	118	5590	11.00	9.43
	134	5670	11.00	10.65
802.11ac (VHT20)	100	5500	12.50	11.31
	120	5600	12.50	10.76
	140	5700	12.50	12.14
802.11ac (VHT40)	102	5510	11.00	10.19
	118	5590	11.00	9.39
	134	5670	11.00	10.60
802.11ac (VHT80)	106	5530	10.50	10.06
	122	5610	10.50	9.75

Mode	Channel	Frequency (MHz)	Tune-up (dBm)	Output Power (dBm)
802.11a	149	5745	12.50	11.09
	157	5785	12.50	11.88
	165	5825	12.50	12.03
802.11n HT20	149	5745	14.00	12.69
	157	5785	14.00	13.54
	165	5825	14.00	13.55
802.11n HT40	151	5755	11.00	10.34
	159	5795	11.00	10.95
802.11ac VHT20	149	5745	12.50	11.23
	157	5785	12.50	12.31
	165	5825	12.50	12.37
802.11ac VHT40	151	5755	11.00	10.01
	159	5795	11.00	10.84
802.11ac VHT80	155	5775	10.50	10.34

Antenna 1:

GSM

Tune Up Procedures

Band GSM850	Burst-Averaged output Power (dBm)				Factor	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)	/	/	/	/	/	/	/	/	/
GPRS(GMSK,1 Tx slot)	32.50	32.01	31.99	32.01	-9.03	23.47	22.98	22.96	22.98
GPRS(GMSK,2 Tx slot)	30.50	29.99	30.02	29.98	-6.02	24.48	23.97	24.00	23.96
GPRS(GMSK,3 Tx slot)	30.50	29.99	30.01	29.98	-4.26	26.24	25.73	25.75	25.72
GPRS(GMSK,4 Tx slot)	30.50	30.03	29.97	30.00	-3.01	27.49	27.02	26.96	26.99
GPRS(EDGE,1 Tx slot)	30.50	30.00	30.02	29.99	-9.03	21.47	20.97	20.99	20.96
GPRS(EDGE,2 Tx slot)	30.50	29.98	29.98	30.01	-6.02	24.48	23.96	23.96	23.99
GPRS(EDGE,3 Tx slot)	30.50	30.01	30.00	29.98	-4.26	26.24	25.75	25.74	25.72
GPRS(EDGE,4 Tx slot)	30.00	29.98	29.98	30.00	-3.01	26.99	26.97	26.97	26.99

Band GSM1900	Burst-Averaged output Power (dBm)				Factor	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)	/	/	/	/	/	/	/	/	/
GPRS(GMSK,1 Tx slot)	30.00	29.52	29.49	29.52	-9.03	20.97	20.49	20.46	20.49
GPRS(GMSK,2 Tx slot)	29.50	29.02	28.97	29.02	-6.02	23.48	23.00	22.95	23.00
GPRS(GMSK,3 Tx slot)	29.00	29.00	28.99	28.98	-4.26	24.74	24.74	24.73	24.72
GPRS(GMSK,4 Tx slot)	29.50	29.00	29.03	29.02	-3.01	26.49	25.99	26.02	26.01
GPRS(EDGE,1 Tx slot)	29.00	28.98	28.97	29.00	-9.03	19.97	19.95	19.94	19.97
GPRS(EDGE,2 Tx slot)	29.50	29.02	29.02	28.98	-6.02	23.48	23.00	23.00	22.96
GPRS(EDGE,3 Tx slot)	29.50	29.00	29.03	28.98	-4.26	25.24	24.74	24.77	24.72
GPRS(EDGE,4 Tx slot)	29.50	29.01	29.03	28.98	-3.01	26.49	26.00	26.02	25.97

WCDMA

Tune Up Procedures

WCDMA Band II	Burst-Averaged output Power (dBm)			
Tx Channel	Tune-up (dBm)	9262	9400	9538
Frequency (MHz)		1852.4	1880	1907.6
RMC12.2K	24.00	23.57	23.48	23.61
HSDPA Sub 1	24.00	23.49	23.54	23.52
HSDPA Sub 2	23.00	22.59	22.66	22.51
HSDPA Sub 3	23.00	22.62	22.54	22.59
HSDPA Sub 4	23.00	22.66	22.56	22.53
HSUPA Sub 1	23.00	22.51	22.56	22.51
HSUPA Sub 2	23.00	22.57	22.58	22.52
HSUPA Sub 3	23.00	22.56	22.67	22.56
HSUPA Sub 4	23.00	22.69	22.61	22.63
HSUPA Sub 5	23.00	22.55	22.60	22.54

WCDMA Band V	Burst-Averaged output Power (dBm)			
Tx Channel	Tune-up (dBm)	4132	4182	4233
Frequency (MHz)		826.4	836.4	846.6
RMC12.2K	24.00	23.51	23.46	23.58
HSDPA Sub 1	24.00	23.42	23.50	23.55
HSDPA Sub 2	23.00	22.64	22.58	22.58
HSDPA Sub 3	23.00	22.51	22.51	22.66
HSDPA Sub 4	23.00	22.52	22.62	22.63
HSUPA Sub 1	23.00	22.57	22.68	22.52
HSUPA Sub 2	23.00	22.59	22.67	22.58
HSUPA Sub 3	23.00	22.63	22.70	22.62
HSUPA Sub 4	23.00	22.50	22.51	22.69
HSUPA Sub 5	23.00	22.59	22.62	22.69

Tune Up Procedures

LTE output list

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	21.28	21.33	21.69
			1	2	22.00	21.29	21.29	21.77
			1	5	22.00	21.27	21.36	21.80
			3	0	22.00	21.34	21.43	21.89
			3	1	22.00	21.35	21.47	21.88
			3	2	22.00	21.41	21.47	21.84
		16QAM	6	0	21.00	20.44	20.48	20.92
			1	0	21.00	20.38	20.47	20.88
			1	2	21.00	20.42	20.48	20.96
			1	5	21.00	20.40	20.48	20.97
			3	0	21.00	20.28	20.39	20.74
			3	1	21.00	20.29	20.39	20.77
LTE Band 2	3MHz	QPSK	3	2	21.00	20.26	20.35	20.76
			6	0	20.00	19.51	19.41	19.90
		16QAM	1	0	21.00	20.17	20.09	20.28
			1	7	21.00	20.27	20.18	20.52
			1	14	21.00	20.22	20.14	20.55
			8	0	20.00	19.39	19.44	19.79
LTE Band 2	5MHz	QPSK	8	4	20.00	19.43	19.49	19.76
			8	7	20.00	19.45	19.46	19.92
			15	0	20.00	19.48	19.47	19.79
		16QAM	1	0	21.50	20.27	20.27	20.58
			1	12	21.50	20.34	20.52	20.91
			1	24	21.50	20.33	20.45	21.02
LTE Band 2	5MHz	QPSK	12	0	20.00	19.30	19.38	19.60
			1	0	22.00	21.36	21.38	21.46
			1	12	22.00	21.47	21.61	21.83
			1	24	22.00	21.46	21.53	21.96
			12	0	21.00	20.30	20.35	20.60
			12	6	21.00	20.29	20.36	20.61
LTE Band 2	5MHz	QPSK	12	11	21.00	20.39	20.40	20.89
			25	0	21.00	20.34	20.41	20.81
		16QAM	1	0	21.50	20.27	20.27	20.58
			1	12	21.50	20.34	20.52	20.91
			1	24	21.50	20.33	20.45	21.02
			12	0	20.00	19.30	19.38	19.60

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			12	6	20.00	19.27	19.32	19.63
			12	11	20.00	19.39	19.45	19.96
			25	0	20.00	19.35	19.52	19.74
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	21.41	21.44	21.67
			1	24	22.50	21.54	21.47	21.60
			1	49	22.50	21.60	21.68	22.02
			25	0	21.00	20.30	20.40	20.66
			25	12	21.00	20.29	20.38	20.62
			25	24	21.00	20.62	20.60	20.80
		16QAM	50	0	21.00	20.49	20.54	20.78
			1	0	21.00	20.37	20.44	20.46
			1	24	21.00	20.55	20.51	20.42
			1	49	21.00	20.60	20.74	20.88
			25	0	20.00	19.29	19.44	19.70
			25	12	20.00	19.34	19.47	19.67
			25	24	20.00	19.55	19.60	19.81
			50	0	20.00	19.50	19.60	19.73
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	22.00	21.34	21.44	21.74
			1	37	22.00	21.63	21.48	21.54
			1	74	22.00	21.60	21.79	21.87
			36	0	21.00	20.39	20.44	20.84
			36	18	21.00	20.63	20.53	20.71
			36	37	21.00	20.56	20.78	21.00
		16QAM	75	0	21.00	20.53	20.63	20.78
			1	0	21.50	20.39	20.41	20.84
			1	37	21.50	20.62	20.58	20.70
			1	74	21.50	20.56	20.84	21.01
			36	0	21.00	20.37	20.42	20.83
			36	18	21.00	20.62	20.55	20.72
			36	37	21.00	20.53	20.84	21.00
			75	0	20.00	19.50	19.59	19.78
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	22.00	20.43	21.45	21.87
			1	49	22.00	21.71	21.54	21.74
			1	99	22.00	21.58	21.90	21.85
			50	0	21.00	20.39	20.55	20.98
			50	24	21.00	20.35	20.51	21.00
			50	49	21.00	20.51	20.88	20.64
		16QAM	100	0	21.00	20.44	20.71	20.82
			1	0	21.50	20.20	20.50	20.75
			1	49	21.50	20.54	20.66	20.64
			1	99	21.50	20.42	21.02	20.78
			50	0	20.50	19.36	19.62	20.04
			50	24	20.50	19.34	19.57	20.00
			50	49	20.50	19.56	19.90	19.67
			100	0	20.00	19.44	19.69	19.84

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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	21.00	20.74	20.58	20.83
			1	2	21.00	20.74	20.54	20.81
			1	5	21.00	20.76	20.58	20.80
			3	0	21.00	20.83	20.60	20.90
			3	1	21.00	20.83	20.61	20.88
			3	2	21.00	20.79	20.61	20.88
		16QAM	6	0	20.50	19.97	19.65	20.04
			1	0	20.00	19.65	19.40	19.73
			1	2	20.00	19.70	19.40	19.76
			1	5	20.00	19.65	19.44	19.74
			3	0	20.00	19.64	19.49	19.71
			3	1	20.00	19.63	19.52	19.71
			3	2	20.00	19.61	19.43	19.73
			6	0	19.50	18.96	18.54	19.02
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	21.00	20.67	20.41	20.67
			1	7	21.00	20.78	20.52	20.77
			1	14	21.00	20.72	20.51	20.78
			8	0	20.50	19.87	19.60	19.93
			8	4	20.50	19.86	19.61	19.94
			8	7	20.50	19.96	19.69	20.01
			15	0	20.00	19.91	19.66	19.96
		16QAM	1	0	20.00	19.86	19.59	19.89
			1	7	20.00	19.96	19.68	19.98
			1	14	20.00	19.86	19.68	19.88
			8	0	19.50	18.92	18.65	18.97
			8	4	19.50	18.93	18.62	19.01
			8	7	19.50	18.95	18.68	19.03
			15	0	19.00	18.91	18.63	18.93
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	21.50	20.94	20.75	21.03
			1	12	21.50	21.08	20.87	21.17
			1	24	21.50	20.95	20.84	21.10
			12	0	20.50	19.88	19.71	19.98
			12	6	20.50	19.92	19.71	19.99
			12	11	20.50	20.07	19.79	20.04
			25	0	20.50	20.02	19.77	19.97
		16QAM	1	0	20.50	19.96	19.65	19.94
			1	12	20.50	20.14	19.80	20.07
			1	24	20.50	20.02	19.75	19.99
			12	0	19.50	18.87	18.71	18.88
			12	6	19.50	18.93	18.68	18.89
			12	11	19.50	19.06	18.75	18.97
			25	0	19.00	18.94	18.76	18.97

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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	21.50	21.02	20.74	20.99
			1	24	21.50	20.98	20.85	21.11
			1	49	21.50	20.86	20.96	21.14
			25	0	20.50	19.91	19.70	19.91
			25	12	20.50	19.92	19.73	19.89
			25	24	20.50	19.97	19.88	20.13
		16QAM	50	0	20.50	19.95	19.82	20.05
			1	0	20.50	20.02	19.66	19.95
			1	24	20.50	20.05	19.66	20.14
			1	49	20.50	19.95	19.79	20.13
			25	0	19.50	18.89	18.80	18.89
			25	12	19.50	18.91	18.78	18.92
			25	24	19.50	18.91	18.84	19.09
			50	0	19.00	18.94	18.83	18.99
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	21.50	20.96	20.57	20.89
			1	37	21.50	20.99	20.75	21.14
			1	74	21.50	20.76	20.84	21.14
			36	0	20.50	19.97	19.75	19.86
			36	18	20.50	20.01	19.94	20.14
			36	37	20.50	19.84	19.99	20.15
			75	0	20.50	19.84	19.83	20.07
		16QAM	1	0	20.50	19.98	19.77	19.87
			1	37	20.50	20.01	19.95	20.14
			1	74	20.50	19.83	20.00	20.14
			36	0	20.50	19.96	19.80	19.87
			36	18	20.50	20.09	19.97	20.13
			36	37	20.50	19.82	19.98	20.15
			75	0	19.00	18.86	18.78	18.99
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	21.50	20.92	20.64	20.77
			1	49	21.50	20.89	20.85	21.09
			1	99	21.50	20.71	20.88	21.08
			50	0	20.50	19.86	19.71	19.76
			50	24	20.50	19.87	19.72	19.74
			50	49	20.50	19.76	19.92	20.20
			100	0	20.00	19.75	19.85	19.98
		16QAM	1	0	20.50	19.97	19.79	19.67
			1	49	20.50	20.05	19.98	19.94
			1	99	20.50	19.88	20.04	19.94
			50	0	19.50	18.91	18.75	18.78
			50	24	19.50	18.85	18.75	18.73
			50	49	19.50	18.76	18.93	19.13
			100	0	19.00	18.79	18.84	18.92

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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	22.00	21.99	21.76	21.66
			1	2	22.00	21.95	21.75	21.66
			1	5	22.00	21.89	21.80	21.61
			3	0	22.50	22.02	21.82	21.77
			3	1	22.50	22.03	21.79	21.70
			3	2	22.50	21.98	21.81	21.67
			6	0	21.50	21.15	20.88	20.79
		16QAM	1	0	21.00	20.89	20.58	20.55
			1	2	21.00	20.85	20.56	20.57
			1	5	21.00	20.82	20.56	20.50
			3	0	21.00	20.77	20.64	20.48
			3	1	21.00	20.80	20.60	20.51
			3	2	21.00	20.74	20.63	20.49
			6	0	20.50	20.08	19.76	19.77
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	22.00	21.85	21.62	21.55
			1	7	22.00	21.94	21.69	21.68
			1	14	22.00	21.85	21.63	21.57
			8	0	21.50	20.99	20.79	20.75
			8	4	21.50	20.98	20.78	20.71
			8	7	21.50	21.04	20.83	20.68
			15	0	21.50	21.02	20.79	20.73
		16QAM	1	0	21.00	20.81	20.54	20.48
			1	7	21.00	20.89	20.66	20.64
			1	14	21.00	20.77	20.62	20.53
			8	0	20.50	20.01	19.82	19.70
			8	4	20.50	20.05	19.76	19.74
			8	7	20.50	19.97	19.77	19.68
			15	0	20.00	20.00	19.79	19.69
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	22.50	22.11	21.97	21.89
			1	12	22.50	22.27	22.10	21.94
			1	24	22.50	22.08	21.96	21.87
			12	0	21.50	21.10	20.92	20.92
			12	6	21.50	21.10	20.87	20.93
			12	11	21.50	21.07	20.89	20.75
			25	0	21.50	21.07	20.90	20.81
		16QAM	1	0	21.50	21.15	20.81	20.84
			1	12	21.50	21.21	20.94	20.84
			1	24	21.50	21.06	20.90	20.74

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			12	0	20.50	20.09	19.88	19.85
			12	6	20.50	20.11	19.84	19.88
			12	11	20.50	20.04	19.83	19.72
			25	0	20.50	20.08	19.88	19.82
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	22.50	22.23	21.96	22.04
			1	24	22.50	22.14	21.97	21.94
			1	49	22.50	21.94	22.10	21.89
			25	0	21.50	21.00	20.90	20.96
			25	12	21.50	21.03	20.89	20.98
			25	24	21.50	20.97	20.98	20.70
		16QAM	50	0	21.00	21.00	20.99	20.90
			1	0	21.50	21.06	20.91	21.06
			1	24	21.50	20.97	20.92	20.97
			1	49	21.50	20.84	21.12	20.88
			25	0	20.50	20.07	19.85	19.88
			25	12	20.50	20.05	19.88	19.92
			25	24	20.50	19.97	19.95	19.70
			50	0	20.50	20.06	19.97	19.85

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	22.00	21.69	21.86	21.77
			1	12	22.00	21.72	21.97	21.87
			1	24	22.00	21.59	21.87	21.81
			12	0	21.00	20.66	20.89	20.84
			12	6	21.00	20.68	20.83	20.87
			12	11	21.00	20.61	20.81	20.71
		16QAM	25	0	21.00	20.68	20.84	20.82
			1	0	21.00	20.60	20.76	20.81
			1	12	21.00	20.67	20.87	20.90
			1	24	21.00	20.54	20.77	20.81
			12	0	20.00	19.58	19.83	19.89
			12	6	20.00	19.62	19.83	19.89
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	22.00	21.70	21.94	21.81
			1	24	22.00	21.85	21.96	21.86
			1	49	22.00	21.66	21.96	21.86
			25	0	21.00	20.66	20.97	20.84
			25	12	21.00	20.65	20.96	20.84
			25	24	21.00	20.61	20.84	20.67
		16QAM	50	0	21.00	20.71	20.94	20.84
			1	0	21.00	20.74	20.74	20.49
			1	24	21.00	20.67	20.75	20.60
			1	49	21.00	20.65	20.76	20.61

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			25	0	20.50	19.68	20.01	19.85
			25	12	20.50	19.59	19.96	19.88
			25	24	20.50	19.63	19.92	19.73
			50	0	20.00	19.67	19.97	19.74
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	22.00	21.67	21.84	21.58
			1	37	22.00	21.73	21.94	21.78
			1	74	22.00	21.62	21.83	21.73
			36	0	21.00	20.59	20.82	20.68
			36	18	21.00	20.74	20.96	20.92
			36	37	21.00	20.62	20.77	20.90
			75	0	21.00	20.66	20.91	20.67
		16QAM	1	0	22.00	21.58	20.83	20.67
			1	37	22.00	21.78	20.92	20.91
			1	74	22.00	21.73	20.79	20.87
			36	0	21.00	20.68	20.83	20.70
			36	18	21.00	20.92	20.98	20.95
			36	37	21.00	20.90	20.80	20.87
			75	0	21.00	20.67	19.87	19.68
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	22.50	20.72	21.83	21.63
			1	49	22.50	21.80	22.06	22.00
			1	99	22.50	21.80	21.80	21.95
			50	0	21.50	20.59	21.04	20.62
			50	24	21.50	20.64	21.12	20.65
			50	49	21.50	20.76	20.86	20.71
			100	0	21.00	20.69	20.95	20.66
		16QAM	1	0	21.50	20.52	20.91	20.49
			1	49	21.50	20.67	21.11	20.87
			1	99	21.50	20.67	20.90	20.76
			50	0	20.50	19.58	20.09	19.60
			50	24	20.50	19.60	20.05	19.55
			50	49	20.50	19.74	19.86	19.69
			100	0	20.00	19.66	19.96	19.65

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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	23.00	22.92	22.89	22.92
			1	2	23.00	22.91	22.91	22.94
			1	5	23.00	22.92	22.92	22.91
			3	0	23.50	22.98	22.92	22.98
			3	1	23.50	23.01	22.89	22.97
			3	2	23.50	22.99	22.91	23.02
		16QAM	6	0	22.50	22.05	22.03	22.15
			1	0	22.50	22.05	21.73	22.08
			1	2	22.50	22.09	21.80	22.21
			1	5	22.50	22.11	21.75	22.20
			3	0	22.00	21.91	21.78	21.97
			3	1	22.00	21.85	21.77	21.96
			3	2	22.00	21.89	21.75	21.98
			6	0	21.50	21.10	21.04	21.04
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	22.94	22.96	22.77
			1	7	23.50	23.08	22.97	22.89
			1	14	23.50	22.98	22.92	22.83
			8	0	22.50	21.99	21.99	22.12
			8	4	22.50	22.01	22.02	22.07
			8	7	22.50	22.07	22.02	22.12
		16QAM	15	0	22.50	22.08	22.07	22.11
			1	0	22.50	21.79	21.66	22.01
			1	7	22.50	21.85	21.88	22.11
			1	14	22.50	21.72	21.77	22.06
			8	0	21.50	21.01	20.98	21.11
			8	4	21.50	21.00	21.01	21.10
			8	7	21.50	21.03	21.03	21.15
			15	0	21.50	20.97	21.00	21.11
			Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)
RB Size	RB Offset	23035/701.5				23095/707.5	23155/713.5	
LTE Band 12	5MHz	QPSK	1	0	23.50	22.01	23.10	23.18
			1	12	23.50	22.11	23.22	23.22
			1	24	23.50	22.06	23.19	23.21
			12	0	22.50	21.11	22.16	22.20
			12	6	22.50	21.10	22.18	22.22
			12	11	22.50	21.15	22.22	22.12
			25	0	22.50	21.11	22.18	22.26
		16QAM	1	0	22.50	22.10	22.17	22.04
			1	12	22.50	22.22	22.29	22.18
			1	24	22.50	22.11	22.21	22.19
			12	0	21.50	21.12	21.14	21.17
			12	6	21.50	21.14	21.16	21.21
			12	11	21.50	21.05	21.20	21.14
			25	0	21.50	21.14	21.16	21.25

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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	23.21	23.25	23.21
			1	24	23.50	23.24	23.26	23.22
			1	49	23.50	23.26	23.31	23.31
			25	0	22.50	22.16	22.18	22.07
			25	12	22.50	22.12	22.15	22.07
			25	24	22.50	22.13	22.26	22.07
			50	0	22.50	22.16	22.21	22.12
		16QAM	1	0	23.00	22.13	22.09	22.32
			1	24	23.00	22.11	22.13	22.37
			1	49	23.00	22.11	22.15	22.54
			25	0	21.50	21.13	21.20	21.06
			25	12	21.50	21.11	21.20	21.06
			25	24	21.50	21.14	21.26	21.06
			50	0	21.50	21.15	21.23	21.10
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		23305/790.5	23330/793	23355/795.5
LTE Band 14	5MHz	QPSK	1	0	24.00	23.84	23.67	23.67
			1	12	24.00	23.76	23.66	23.66
			1	24	24.00	23.64	23.52	23.52
			12	0	23.00	22.69	22.71	22.71
			12	6	23.00	22.76	22.63	22.63
			12	11	23.00	22.68	22.58	22.58
			25	0	23.00	22.73	22.65	22.65
		16QAM	1	0	23.00	22.74	22.75	22.48
			1	12	23.00	22.69	22.73	22.52
			1	24	23.00	22.62	22.63	22.39
			12	0	22.00	21.72	21.72	21.65
			12	6	22.00	21.78	21.76	21.53
			12	11	22.00	21.69	21.67	21.56
			25	0	22.00	21.78	21.70	21.65
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		/	23330/793	/
LTE Band 14	10MHz	QPSK	1	0	24.00	/	23.85	/
			1	24	24.00	/	23.74	/
			1	49	24.00	/	23.58	/
			25	0	23.00	/	22.64	/
			25	12	23.00	/	22.64	/
			25	24	23.00	/	22.63	/
			50	0	23.00	/	22.63	/
		16QAM	1	0	23.00	/	22.70	/
			1	24	23.00	/	22.83	/
			1	49	23.00	/	22.45	/
			25	0	22.00	/	21.66	/
			25	12	22.00	/	21.74	/
			25	24	22.00	/	21.71	/
			50	0	22.00	/	21.69	/

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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	21.50	20.91	21.16	21.21
			1	12	21.50	21.24	21.44	21.10
			1	24	21.50	21.18	21.11	20.89
			12	0	20.50	19.98	20.02	20.13
			12	6	20.50	19.98	20.09	20.19
			12	11	20.50	20.09	20.15	19.83
		16QAM	25	0	20.50	19.99	20.19	19.95
			1	0	20.50	19.84	20.02	20.21
			1	12	20.50	20.16	20.28	20.10
			1	24	20.50	20.09	20.02	19.93
			12	0	19.50	19.01	19.06	19.13
			12	6	19.50	18.99	19.05	19.16
			12	11	19.50	19.07	19.11	18.84
			25	0	19.50	19.09	19.16	19.01
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	21/24/24	20.21	23.17	23.23
			1	24	21/24/24	20.10	23.21	23.22
			1	49	21/24/24	19.93	23.20	23.29
			25	0	20/23/23	19.13	22.09	22.03
			25	12	20/23/23	19.16	22.07	22.06
			25	24	20/23/23	18.84	22.02	22.05
		16QAM	50	0	20/23/23	19.01	22.07	22.09
			1	0	22.50	22.01	22.35	22.08
			1	24	22.50	22.13	22.36	22.11
			1	49	22.50	22.06	22.40	22.21
			25	0	21.50	21.14	21.11	21.05
			25	12	21.50	21.14	21.12	21.05
			25	24	21.50	21.06	21.08	21.08
			50	0	21.50	21.09	21.10	21.04
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	22.50	21.80	22.00	22.07
			1	2	22.50	21.80	21.93	22.09
			1	5	22.50	21.75	21.95	22.05
			3	0	22.50	21.91	22.03	22.19
			3	1	22.50	21.90	22.09	22.17
			3	2	22.50	21.91	22.05	22.16
		16QAM	6	0	21.50	20.95	21.09	21.21
			1	0	21.50	20.94	21.06	20.95
			1	2	21.50	20.98	21.12	20.97
			1	5	21.50	20.94	21.11	20.94
			3	0	21.00	20.85	20.97	20.99
			3	1	21.00	20.81	20.97	20.98
			3	2	21.00	20.82	20.96	20.99
			6	0	20.50	20.04	20.00	20.25
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	21.73	21.71	21.79
			1	7	22.00	21.93	21.84	21.99
			1	14	22.00	21.81	21.85	21.88
			8	0	21.50	20.91	20.91	20.98
			8	4	21.50	20.94	20.90	20.97
			8	7	21.50	21.03	21.06	21.01
			15	0	21.50	21.02	20.93	21.03
		16QAM	1	0	21.00	20.71	20.68	20.70

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			1	7	21.00	20.87	20.86	20.68
			1	14	21.00	20.84	20.80	20.66
			8	0	20.50	19.96	19.94	19.98
			8	4	20.50	19.96	19.95	19.96
			8	7	20.50	20.02	20.04	19.92
			15	0	20.50	20.05	19.96	19.96
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	22.07	22.04	22.04
			1	12	22.50	22.31	22.21	22.19
			1	24	22.50	22.23	22.17	22.07
			12	0	21.50	21.05	20.95	21.01
			12	6	21.50	21.05	20.92	21.00
			12	11	21.50	21.17	21.12	20.99
		16QAM	25	0	21.50	21.15	21.05	21.08
			1	0	22.50	22.04	20.88	21.14
			1	12	22.50	22.19	21.06	21.20
			1	24	22.50	22.07	21.08	21.16
			12	0	21.50	21.01	19.89	19.99
			12	6	21.50	21.00	19.92	20.03
LTE Band 25	10MHz	QPSK	12	11	21.50	20.99	20.04	20.05
			25	0	21.50	21.08	20.07	20.05
		16QAM	1	0	22.50	22.09	22.01	22.21
			1	24	22.50	22.30	22.10	22.22
			1	49	22.50	22.31	22.26	22.18
			25	0	21.50	21.09	20.91	21.02
		16QAM	25	12	21.50	21.10	20.91	21.02
			25	24	21.50	21.31	21.28	21.18
			50	0	21.50	21.23	21.13	21.11
			1	0	21.50	21.14	21.01	21.07
			1	24	21.50	21.28	21.13	21.00
			1	49	21.50	21.29	21.31	20.99
LTE Band 25	15MHz	QPSK	25	0	20.50	20.07	19.93	20.06
			25	12	20.50	20.08	19.94	20.01
			25	24	20.50	20.33	20.21	20.17
			25	0	20.50	20.24	20.13	20.10
		16QAM	1	0	22.50	21.79	21.61	21.88
			1	37	22.50	22.10	21.86	21.84
			1	74	22.50	21.97	21.96	21.73
			36	0	21.50	20.80	20.61	21.03
			36	18	21.50	21.07	20.89	21.02
			36	37	21.50	20.88	21.06	20.89
			75	0	21.00	20.95	20.86	20.99
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	21.79	21.61	21.88
			1	37	22.50	22.10	21.86	21.84
			1	74	22.50	21.97	21.96	21.73
			36	0	21.50	20.80	20.61	21.03
			36	18	21.50	21.07	20.89	21.02
			36	37	21.50	20.88	21.06	20.89
		16QAM	75	0	21.00	20.95	20.86	20.99
			1	0	21.50	20.82	20.60	21.02

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			1	37	21.50	21.03	20.89	21.03
			1	74	21.50	20.88	21.04	20.85
			36	0	21.50	20.77	20.57	20.97
			36	18	21.50	21.08	20.89	21.01
			36	37	21.50	20.92	21.06	20.85
			75	0	20.00	19.91	19.83	19.97
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	21.76	21.54	22.03
			1	49	22.50	22.14	21.84	22.04
			1	99	22.50	21.87	21.99	21.82
			50	0	21.50	20.82	20.62	21.20
			50	24	21.50	20.87	20.65	21.20
			50	49	21.50	20.89	21.12	21.11
		16QAM	100	0	21.50	20.90	20.93	21.15
			1	0	21.00	20.62	20.32	20.87
			1	49	21.00	21.00	20.67	20.88
			1	99	21.00	20.65	20.82	20.66
			50	0	20.50	19.81	19.74	20.19
			50	24	20.50	19.80	19.70	20.23
			50	49	20.50	19.90	20.13	20.09
			100	0	20.50	19.90	19.90	20.12

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	25.00	24.56	24.65	24.65
			1	2	25.00	24.55	24.62	24.61
			1	5	25.00	24.59	24.62	24.61
			3	0	25.00	24.60	24.70	24.67
			3	1	25.00	24.65	24.67	24.65
			3	2	25.00	24.62	24.67	24.67
		16QAM	6	0	24.00	23.74	23.79	23.72
			1	0	24.00	23.41	23.53	23.34
			1	2	24.00	23.49	23.54	23.35
			1	5	24.00	23.41	23.50	23.33
			3	0	24.00	23.43	23.49	23.41
			3	1	24.00	23.38	23.51	23.40
			3	2	24.00	23.40	23.47	23.36
			6	0	23.00	22.75	22.85	22.75

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	25.00	24.52	24.59	24.52
			1	7	25.00	24.65	24.65	24.56
			1	14	25.00	24.58	24.56	24.45
			8	0	24.00	23.62	23.74	23.69
			8	4	24.00	23.63	23.74	23.64
			8	7	24.00	23.74	23.77	23.67
			15	0	24.00	23.66	23.73	23.67
			15	0	24.00	23.66	23.73	23.67
		16QAM	1	0	24.00	23.35	23.31	23.45
			1	0	24.00	23.35	23.31	23.45

			1	7	24.00	23.40	23.42	23.55
			1	14	24.00	23.38	23.34	23.47
			8	0	23.00	22.67	22.75	22.69
			8	4	23.00	22.68	22.76	22.73
			8	7	23.00	22.72	22.73	22.69
			15	0	23.00	22.60	22.66	22.71

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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	25.00	24.74	24.85	24.86
			1	12	25.00	24.89	24.98	24.95
			1	24	25.00	24.85	24.84	24.81
			12	0	24.00	23.73	23.74	23.73
			12	6	24.00	23.72	23.75	23.79
			12	11	24.00	23.82	23.84	23.78
		16QAM	25	0	24.00	23.79	23.79	23.76
			1	0	24.00	23.75	23.64	23.74
			1	12	24.00	23.92	23.87	23.84
			1	24	24.00	23.87	23.71	23.70
			12	0	23.00	22.75	22.74	22.76
			12	6	23.00	22.73	22.79	22.75
			12	11	23.00	22.87	22.82	22.78
			25	0	23.00	22.80	22.85	22.84
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	25.00	/	24.82	/
			1	24	25.00	/	24.94	/
			1	49	25.00	/	24.88	/
			25	0	24.00	/	23.71	/
			25	12	24.00	/	23.73	/
			25	24	24.00	/	23.81	/
		16QAM	50	0	24.00	/	23.81	/
			1	0	24.00	/	23.65	/
			1	24	24.00	/	23.74	/
			1	49	24.00	/	23.72	/
			25	0	23.00	/	22.78	/
			25	12	23.00	/	22.78	/
			25	24	23.00	/	22.86	/
			50	0	23.00	/	22.85	/

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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	25.00	24.62	24.39	24.78
			1	2	25.00	24.59	24.39	24.77
			1	5	25.00	24.63	24.39	24.76
			3	0	25.00	24.65	24.45	24.82
			3	1	25.00	24.68	24.46	24.83
			3	2	25.00	24.67	24.46	24.85
			6	0	24.00	23.71	23.57	23.95
		16QAM	1	0	24.00	23.42	23.28	23.65
			1	2	24.00	23.44	23.29	23.71
			1	5	24.00	23.43	23.29	23.69
			3	0	24.00	23.44	23.24	23.61
			3	1	24.00	23.46	23.21	23.61
			3	2	24.00	23.46	23.22	23.65
			6	0	23.00	22.60	22.57	22.97
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	25.00	24.50	24.41	24.63
			1	7	25.00	24.56	24.46	24.79
			1	14	25.00	24.50	24.44	24.75
			8	0	24.00	23.69	23.51	23.86
			8	4	24.00	23.67	23.47	23.83
			8	7	24.00	23.70	23.51	23.88
			15	0	24.00	23.66	23.51	23.81
		16QAM	1	0	24.00	23.43	23.20	23.52
			1	7	24.00	23.53	23.24	23.74
			1	14	24.00	23.46	23.20	23.73
			8	0	23.00	22.71	22.50	22.90
			8	4	23.00	22.69	22.54	22.90
			8	7	23.00	22.70	22.53	22.89
			15	0	23.00	22.70	22.44	22.91
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 26b	5MHz	QPSK	1	0	25.50	24.72	24.66	24.84
			1	12	25.50	24.85	24.73	25.03
			1	24	25.50	24.69	24.70	25.02
			12	0	24.00	23.69	23.62	23.93
			12	6	24.00	23.73	23.62	23.93
			12	11	24.00	23.73	23.59	23.89
			25	0	24.00	23.75	23.63	23.92
		16QAM	1	0	24.00	23.77	23.45	23.71
			1	12	24.00	23.82	23.60	23.89
			1	24	24.00	23.74	23.56	23.94
			12	0	23.00	22.76	22.63	22.89
			12	6	23.00	22.76	22.61	22.87
			12	11	23.00	22.77	22.59	22.89
			25	0	23.00	22.72	22.68	22.93
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	25.50	24.76	24.60	24.65
			1	24	25.50	24.74	24.66	24.78
			1	49	25.50	24.67	24.70	25.02
			25	0	24.00	23.63	23.65	23.65
			25	12	24.00	23.64	23.64	23.68
			25	24	24.00	23.58	23.60	23.70
			50	0	24.00	23.62	23.61	23.70
		16QAM	1	0	24.50	23.77	23.73	23.80

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			1	24	24.50	23.70	23.80	23.94
			1	49	24.50	23.61	23.86	24.19
			25	0	23.00	22.67	22.67	22.67
			25	12	23.00	22.66	22.69	22.67
			25	24	23.00	22.61	22.70	22.76
			50	0	23.00	22.66	22.68	22.72
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	25.50	24.71	24.54	24.54
			1	37	25.50	24.67	24.63	24.80
			1	74	25.50	24.64	24.74	25.03
			36	0	24.50	23.72	23.67	23.47
			36	18	24.50	23.67	23.71	23.74
			36	37	24.50	23.63	23.85	24.04
		16QAM	75	0	24.00	23.65	23.68	23.69
			1	0	24.00	23.69	23.65	23.50
			1	37	24.00	23.68	23.75	23.78
			1	74	24.00	23.62	23.82	23.99
			36	0	24.00	23.69	23.64	23.54
			36	18	24.00	23.64	23.72	23.80
			36	37	24.00	23.61	23.82	24.00
			75	0	23.00	22.60	22.67	22.65

Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		40265/2557.5	40620/2593	41215/2652.5
LTE Band 41	5MHz	QPSK	1	0	20.50	20.16	20.28	20.26
			1	12	20.50	20.21	20.24	20.02
			1	24	20.50	20.13	20.15	20.02
			12	0	20.50	20.16	20.10	20.08
			12	6	20.50	20.31	19.99	20.16
			12	11	20.50	20.30	20.17	20.04
		16QAM	25	0	20.50	20.24	20.20	19.98
			1	0	21.00	20.14	20.36	20.09
			1	12	21.00	20.07	20.25	20.88
			1	24	21.00	20.22	20.18	20.89
			12	0	21.00	20.22	20.12	20.86
			12	6	21.00	20.24	20.11	20.16
			12	11	21.00	20.24	20.20	20.21
			25	0	20.50	20.30	20.15	20.13
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		40290/2560	40620/2593	41190/2650
LTE Band 41	10MHz	QPSK	1	0	20.50	20.13	20.41	20.04
			1	24	20.50	20.17	20.11	20.02
			1	49	20.50	20.30	20.07	20.09
			25	0	20.50	20.30	20.30	20.08
			25	12	20.50	20.30	20.12	19.99
			25	24	20.50	20.33	20.15	19.93
			50	0	20.50	20.39	20.09	20.08
		16QAM	1	0	21.00	20.16	20.32	20.27

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			1	24	21.00	20.11	20.23	20.94
			1	49	21.00	20.04	20.34	20.87
			25	0	21.00	20.16	20.16	20.78
			25	12	21.00	20.31	20.19	20.13
			25	24	21.00	20.43	20.21	20.17
			50	0	20.50	20.27	19.96	20.30
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		40315/2562.5	40620/2593	41165/2647.5
LTE Band 41	15MHz	QPSK	1	0	20.50	20.39	20.36	20.10
			1	37	20.50	20.24	20.05	20.11
			1	74	20.50	20.32	20.15	20.16
			36	0	20.50	20.30	20.25	19.90
			36	18	20.50	20.42	19.97	20.14
			36	37	20.50	20.13	20.10	20.09
		16QAM	75	0	20.50	20.32	20.19	20.03
			1	0	21.00	20.15	20.39	20.15
			1	37	21.00	19.97	20.13	20.89
			1	74	21.00	20.09	20.28	20.85
			36	0	21.00	20.16	20.31	20.76
			36	18	21.00	20.22	20.08	20.39
			36	37	21.00	20.12	20.03	20.24
			75	0	20.50	20.24	20.11	20.32
Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		40340/2565	40620/2593	41140/2645
LTE Band 41	20MHz	QPSK	1	0	20.50	20.23	20.37	20.18
			1	49	20.50	20.36	20.19	20.25
			1	99	20.50	20.14	20.10	20.11
			50	0	20.50	20.36	20.25	20.04
			50	24	20.50	20.39	20.15	20.11
			50	49	20.50	20.23	20.25	20.05
			100	0	20.50	20.34	20.13	20.02
		16QAM	1	0	21.00	20.05	20.15	20.14
			1	49	21.00	20.02	20.27	20.94
			1	99	21.00	20.04	20.34	20.82
			50	0	21.00	20.20	20.27	20.84
			50	24	21.00	20.19	20.16	20.23
			50	49	21.00	20.31	20.13	20.36
			100	0	20.50	20.34	20.31	20.14

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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	22.50	22.09	21.72	21.65
			1	2	22.50	22.05	21.72	21.64
			1	5	22.50	22.09	21.72	21.68
			3	0	22.50	22.10	21.70	21.70
			3	1	22.50	22.09	21.74	21.68
			3	2	22.50	22.07	21.73	21.69
			6	0	21.50	21.27	20.94	20.85
		16QAM	1	0	21.00	20.93	20.52	20.51
			1	2	21.00	20.96	20.59	20.58
			1	5	21.00	20.90	20.55	20.54
			3	0	21.00	20.85	20.46	20.47
			3	1	21.00	20.84	20.47	20.46
			3	2	21.00	20.86	20.46	20.48
			6	0	20.50	20.26	19.85	19.81
			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	22.50	21.97	21.57	21.41
			1	7	22.50	22.12	21.73	21.59
			1	14	22.50	22.09	21.68	21.52
			8	0	21.50	21.13	20.73	20.60
			8	4	21.50	21.08	20.72	20.57
			8	7	21.50	21.17	20.76	20.68
			15	0	21.50	21.14	20.71	20.58
		16QAM	1	0	21.50	20.89	20.51	20.35
			1	7	21.50	21.07	20.65	20.51
			1	14	21.50	21.02	20.61	20.51
			8	0	20.50	20.10	19.69	19.58
			8	4	20.50	20.12	19.68	19.53
			8	7	20.50	20.18	19.75	19.63
			15	0	20.50	20.10	19.68	19.53
			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	22.11	21.65	21.46
			1	12	22.50	22.35	21.87	21.73
			1	24	22.50	22.22	21.83	21.79
			12	0	21.50	21.03	20.62	20.50
			12	6	21.50	21.04	20.61	20.51
			12	11	21.50	21.19	20.78	20.65
			25	0	21.50	21.08	20.72	20.58
		16QAM	1	0	21.50	21.03	20.56	20.41
			1	12	21.50	21.27	20.82	20.67
			1	24	21.50	21.18	20.79	20.74
			12	0	20.50	20.02	19.60	19.45
			12	6	20.50	20.03	19.58	19.44
			12	11	20.50	20.20	19.74	19.56
			25	0	20.50	20.12	19.74	19.56

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Band	Band Width	Modulation	RB Configuration		Tune-up (dBm)	Channel/Frequency(MHz)		
			RB Size	RB Offset		132022/1715	132322/1745	132622/1775
LTE Band 66	10MHz	QPSK	1	0	22.50	22.11	21.58	21.39
			1	24	22.50	22.28	21.84	21.51
			1	49	22.50	22.29	22.03	21.80
			25	0	21.50	21.04	20.54	20.43
			25	12	21.50	21.10	20.57	20.44
			25	24	21.50	21.23	20.90	20.59
			50	0	21.50	21.14	20.76	20.49
		16QAM	1	0	21.50	21.24	20.69	20.58

			1	24	21.50	21.39	20.93	20.66
			1	49	21.50	21.42	21.14	20.92
			25	0	20.50	20.05	19.52	19.39
			25	12	20.50	20.01	19.53	19.40
			25	24	20.50	20.21	19.88	19.53
			50	0	20.50	20.09	19.69	19.43
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	22.20	21.55	21.50
			1	37	22.50	22.46	21.98	21.56
			1	74	22.50	22.12	22.12	21.80
			36	0	22.00	21.30	20.64	20.68
			36	18	22.00	21.56	21.06	20.74
			36	37	22.00	21.28	21.24	20.98
			75	0	21.50	21.24	20.91	20.57
		16QAM	1	0	22.00	21.31	20.65	20.67
			1	37	22.00	21.62	21.07	20.74
			1	74	22.00	21.25	21.27	20.96
			36	0	22.00	21.27	20.66	20.67
			36	18	22.00	21.58	21.05	20.70
			36	37	22.00	21.25	21.25	20.96
			75	0	20.50	20.22	19.87	19.53
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	22.15	21.54	21.72
			1	49	22.50	22.46	22.05	21.80
			1	99	22.50	21.82	22.20	21.84
			50	0	21.50	21.18	20.53	20.66
			50	24	21.50	21.21	20.52	20.65
			50	49	21.50	21.06	21.06	20.50
			100	0	21.50	21.11	20.86	20.54
		16QAM	1	0	21.50	21.00	20.37	20.56
			1	49	21.50	21.31	20.84	20.46
			1	99	21.50	20.72	20.98	20.68
			50	0	20.50	20.17	19.48	19.63
			50	24	20.50	20.22	19.46	19.65
			50	49	20.50	20.09	20.05	19.46
			100	0	20.50	20.15	19.81	19.52

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