

# **Part1\_Appendix E**

## **Conducted RF Output Power**

### **Measurement of RF conducted Power**

#### **1 Conducted Power of Main Antenna (Ant1)**

##### **1.1 Conducted Power of GSM**

##### **1.2 Conducted Power of WCDMA**

##### **1.3 Conducted Power of LTE**

#### **2 Conducted Power of Main Antenna (Ant2)**

##### **2.1 Conducted Power of GSM**

##### **2.2 Conducted Power of WCDMA**

##### **2.3 Conducted Power of LTE**

#### **3 Conducted Power of Main Antenna (Ant3)**

##### **3.1 Conducted Power of LTE**

#### **4 Conducted Power of Intra Band LTE Uplink CA**

##### **4.1 Conducted Power of LTE Uplink CA**

#### **5 Conducted Power of ENDC-LTE**

##### **5.1 Conducted Power of ENDC-LTE(Ant5)**

#### **6 Conducted Power of NR Antenna**

##### **6.1 Conducted Power of NR Antenna (Ant1)**

##### **6.2 Conducted Power of NR Antenna (Ant2)**

##### **6.3 Conducted Power of NR Antenna (Ant3)**

##### **6.4 Conducted Power of NR Antenna (Ant5)**

##### **6.5 Conducted Power of NR Antenna (Ant7)**

#### **7 Conducted Power of WiFi and Bluetooth**

##### **7.1 Conducted Power of 2.4GWiFi**

##### **7.2 Conducted Power of 5GWiFi**

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## 7.3 Conducted Power of 6EWiFi

## 7.4 Conducted Power of Bluetooth

Note:

WWAN			
State	Trigger condition	Test antenna	Application scenarios
DSI0	SAR sensor off, WIFI off, Receive off	Ant 2/5	Body worn&hotspot&Limbs Standalone sensor off
		Ant1/3/7	Body worn&hotspot&Limbs Standalone Receiver off
DSI1	SAR sensor on, WIFI off, Receive off	Ant 2/5	Body worn&hotspot&Limbs Standalone sensor on
DSI2	SAR sensor off, WIFI on, Receive off	Ant 2/5	Body worn&hotspot&Limbs Simultaneous transmission sensor off
		Ant1/3/6/7	Body worn&hotspot&Limbs Simultaneous transmission Receiver off
DSI3	SAR sensor on, WIFI on, Receive off	Ant 2/5	Body worn&hotspot&Limbs Simultaneous transmission sensor on
DSI4	SAR receive on, WIFI off, Sensor off	All antenna	Head Standalone
DSI5	SAR receive on, WIFI on, Sensor off	All antenna	Head Simultaneous transmission

WLAN			
State	Trigger condition	Test antenna	Application scenarios
Set0	SAR sensor off, WWAN off, Receive off	Ant 9	Body worn&hotspot&Limbs Standalone sensor off
		Ant10/MIMO	Body worn&hotspot&Limbs Standalone Receiver off
Set1	SAR sensor on, WWAN off, Receive off	Ant 9	Body worn&hotspot&Limbs Standalone sensor on
Set2	SAR sensor off, WWAN on, Receive off	Ant 9	Body worn&hotspot&Limbs Simultaneous transmission sensor off
		Ant10/MIMO	Body worn&hotspot&Limbs Simultaneous transmission Receiver off
Set3	SAR sensor on, WWAN on, Receive off	Ant 9	Body worn&hotspot&Limbs Simultaneous transmission sensor on
Set4	SAR receive on, WWAN off, Sensor off	All antenna	Head Standalone
Set5	SAR receive on, WWAN on, Sensor off	All antenna	Head Simultaneous transmission

The number of required test channels for SAR testing is determined based on an even spread across the transmission frequency band of each transmitter. Accordingly, the number of test channels is given by Formula (2):

$$N_c = \text{Round} \left\{ \left[ 100 \times (f_{\text{high}} - f_{\text{low}}) / f_c \right]^{0.5} \times (f_c / 100)^{0.2} \right\} \quad (2)$$

where

$N_c$  is the number of test channels, rounded to the nearest integer,  
 $f_{\text{high}}$  and  $f_{\text{low}}$  are the highest and lowest channel frequencies within the transmission band,  
 $f_c = (f_{\text{high}} + f_{\text{low}}) / 2$  is the mid-band channel frequency all frequencies are expressed in MHz.

SAR testing shall be performed at the center frequency for each channel, where the channel bandwidth is computed as  $B_{\text{channel}} = (f_{\text{high}} - f_{\text{low}}) / N_c$ .



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**Measurement of RF conducted Power**
**1 Conducted Power of Main Antenna (Ant1)**
**1.1 Conducted Power of GSM**

GSM 850 DS10/1/2/3										
Burst Output Power(dBm)					Division Factors	Frame-Average Output Power(dBm)				
Channel		128	190	251	Tune up	128	190	251	Tune up	
GSM(GMSK)	GSM	31.26	31.06	31.34	33.00	-9.19	22.07	21.87	22.15	23.81
GPRS (GMSK)	1 TX Slot	31.31	31.16	31.37	33.00	-9.19	22.12	21.97	22.18	23.81
	2 TX Slots	29.24	29.36	29.20	31.00	-6.18	23.06	23.18	23.02	24.82
	3 TX Slots	27.20	27.04	27.23	29.00	-4.42	22.78	22.62	22.81	24.58
	4 TX Slots	25.43	25.46	25.83	27.00	-3.17	22.26	22.29	22.66	23.83
EGPRS (GMSK)	1 TX Slot	31.38	31.07	31.29	33.00	-9.19	22.19	21.88	22.10	23.81
	2 TX Slots	29.13	29.35	29.23	31.00	-6.18	22.95	23.17	23.05	24.82
	3 TX Slots	27.08	27.01	27.21	29.00	-4.42	22.66	22.59	22.79	24.58
	4 TX Slots	25.33	25.51	25.88	27.00	-3.17	22.16	22.34	22.71	23.83
EGPRS (8PSK)	1 TX Slot	26.75	26.67	26.85	27.00	-9.19	17.56	17.48	17.66	17.81
	2 TX Slots	24.64	24.75	24.83	25.00	-6.18	18.46	18.57	18.65	18.82
	3 TX Slots	22.72	22.65	22.74	23.00	-4.42	18.30	18.23	18.32	18.58
	4 TX Slots	20.56	20.69	20.73	21.00	-3.17	17.39	17.52	17.56	17.83

GSM 850 DS14										
Burst Output Power(dBm)					Division Factors	Frame-Average Output Power(dBm)				
Channel		128	190	251	Tune up	128	190	251	Tune up	
GSM(GMSK)	GSM	29.42	29.55	29.43	31.00	-9.19	20.23	20.36	20.24	21.81
GPRS (GMSK)	1 TX Slot	29.53	29.56	29.51	31.00	-9.19	20.34	20.37	20.32	21.81
	2 TX Slots	27.95	27.75	27.88	29.00	-6.18	21.77	21.57	21.70	22.82
	3 TX Slots	25.83	25.96	25.86	27.00	-4.42	21.41	21.54	21.44	22.58
	4 TX Slots	24.31	24.41	24.58	25.00	-3.17	21.14	21.24	21.41	21.83
EGPRS (GMSK)	1 TX Slot	29.57	29.64	29.43	31.00	-9.19	20.38	20.45	20.24	21.81
	2 TX Slots	27.91	27.84	27.83	29.00	-6.18	21.73	21.66	21.65	22.82
	3 TX Slots	25.85	26.05	25.92	27.00	-4.42	21.43	21.63	21.50	22.58
	4 TX Slots	24.28	24.45	24.60	25.00	-3.17	21.11	21.28	21.43	21.83
EGPRS (8PSK)	1 TX Slot	25.03	24.76	25.04	26.00	-9.19	15.84	15.57	15.85	16.81
	2 TX Slots	22.93	23.31	23.66	24.00	-6.18	16.75	17.13	17.48	17.82
	3 TX Slots	21.03	21.22	21.47	22.00	-4.42	16.61	16.80	17.05	17.58
	4 TX Slots	19.75	19.83	19.98	20.00	-3.17	16.58	16.66	16.81	16.83

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**1.2 Conducted Power of WCDMA**

WCDMA Band V DS10/1/2/3					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	24.59	24.65	24.57	25.00
	12.2kbps AMR	24.56	24.61	24.54	25.00
HSDPA	Subtest 1	23.57	23.63	23.65	24.00
	Subtest 2	23.55	23.48	23.59	24.00
	Subtest 3	23.04	23.13	23.13	24.00
	Subtest 4	23.06	23.12	23.10	24.00
HSUPA	Subtest 1	23.54	23.61	23.59	24.00
	Subtest 2	21.53	21.60	21.58	23.00
	Subtest 3	22.53	22.60	22.62	23.00
	Subtest 4	21.55	21.63	21.60	23.00
	Subtest 5	23.54	23.63	23.63	24.00
HSPA+	16QAM	21.37	21.35	21.40	22.00

WCDMA Band V DS14					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	20.98	20.93	20.91	21.00
	12.2kbps AMR	20.93	20.91	20.93	21.00
HSDPA	Subtest 1	19.93	19.95	19.88	20.00
	Subtest 2	19.89	19.95	19.89	20.00
	Subtest 3	19.42	19.42	19.39	20.00
	Subtest 4	19.39	19.42	19.36	20.00
HSUPA	Subtest 1	19.91	19.92	19.85	20.00
	Subtest 2	17.89	17.91	17.87	19.00
	Subtest 3	18.91	18.92	18.86	19.00
	Subtest 4	17.92	17.93	17.85	19.00
	Subtest 5	19.91	19.93	19.86	20.00
HSPA+	16QAM	17.56	17.62	17.58	18.00

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WCDMA Band V DS15					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	20.44	20.46	20.39	20.50
	12.2kbps AMR	20.43	20.42	20.36	20.50
HSDPA	Subtest 1	19.42	19.43	19.37	19.50
	Subtest 2	19.44	19.38	19.37	19.50
	Subtest 3	18.93	18.96	18.71	19.50
	Subtest 4	18.92	18.94	18.86	19.50
HSUPA	Subtest 1	19.35	19.35	19.47	19.50
	Subtest 2	17.31	17.33	17.31	18.50
	Subtest 3	18.34	18.34	18.47	18.50
	Subtest 4	17.35	17.35	17.30	18.50
	Subtest 5	19.34	19.34	19.39	19.50
HSPA+	16QAM	17.06	17.02	16.87	17.50



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**1.3 Conducted Power of LTE**

LTE Band 5 DS10/1/2/3				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20407	20525	20643	
1.4MHz	QPSK	1	0	24.26	24.23	24.48	25.00
		1	2	24.38	24.23	24.39	25.00
		1	5	24.43	24.02	24.50	25.00
		3	0	24.27	24.14	24.21	25.00
		3	2	24.27	24.09	24.50	25.00
		3	3	24.22	24.32	24.50	25.00
		6	0	23.34	23.29	23.24	24.00
	16QAM	1	0	23.37	23.27	23.34	24.00
		1	2	23.22	23.22	23.38	24.00
		1	5	23.24	23.34	23.41	24.00
		3	0	23.33	23.34	23.44	24.00
		3	2	23.44	23.39	23.28	24.00
		3	3	23.30	23.19	23.40	24.00
		6	0	22.19	22.28	22.36	23.00
	64QAM	1	0	22.31	22.15	22.31	23.00
		1	2	22.42	22.23	22.50	23.00
		1	5	22.31	22.36	22.54	23.00
		3	0	22.22	22.07	22.29	23.00
		3	2	22.41	22.18	22.41	23.00
		3	3	22.22	22.06	22.39	23.00
		6	0	21.25	21.22	21.30	22.00
	256QAM	1	0	19.34	19.56	19.62	20.00
		1	2	19.33	19.37	19.57	20.00
		1	5	19.18	19.31	19.32	20.00
		3	0	19.40	19.15	19.33	20.00
		3	2	19.45	19.43	19.47	20.00
		3	3	19.35	19.43	19.56	20.00
		6	0	19.34	19.23	19.49	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20415	20525	20635	
3MHz	QPSK	1	0	24.25	24.27	24.45	25.00

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	24.34	24.23	24.29	25.00
		1	13	24.26	24.41	24.30	25.00
		1	24	24.16	24.47	24.40	25.00
		12	0	23.26	23.28	23.27	24.00
		12	6	23.42	23.45	23.48	24.00
		12	13	23.24	23.42	23.50	24.00
		25	0	23.45	23.36	23.30	24.00
	16QAM	1	0	23.69	23.55	23.65	24.00

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20450	20525	20600	
10MHz	QPSK	1	0	24.35	24.26	24.35	25.00
		1	25	24.25	24.45	24.35	25.00
		1	49	24.22	24.39	24.43	25.00
		25	0	23.29	23.34	23.37	24.00
		25	13	23.38	23.42	23.46	24.00
		25	25	23.29	23.43	23.43	24.00
		50	0	23.38	23.26	23.39	24.00
	16QAM	1	0	23.74	23.50	23.60	24.00
		1	25	23.53	23.42	23.59	24.00
		1	49	23.72	23.35	23.47	24.00
		25	0	22.31	22.31	22.40	23.00
		25	13	22.42	22.42	22.38	23.00
		25	25	22.32	22.42	22.31	23.00
		50	0	22.30	22.27	22.39	23.00
	64QAM	1	0	22.57	22.46	22.63	23.00

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		1	25	22.53	22.47	22.60	23.00
		1	49	22.32	22.44	22.36	23.00
		25	0	21.32	21.29	21.37	22.00
		25	13	21.38	21.42	21.47	22.00
		25	25	21.33	21.45	21.31	22.00
		50	0	21.30	21.27	21.39	22.00
	256QAM	1	0	19.43	19.44	19.46	20.00
		1	25	19.42	19.39	19.37	20.00
		1	49	19.40	19.38	19.40	20.00
		25	0	19.31	19.31	19.39	20.00
		25	13	19.40	19.38	19.41	20.00
		25	25	19.31	19.42	19.33	20.00
		50	0	19.37	19.35	19.42	20.00

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LTE Band 5 DS14				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20407	20525	20643	
1.4MHz	QPSK	1	0	20.45	20.38	20.38	21.00
		1	2	20.46	20.38	20.35	21.00
		1	5	20.28	20.50	20.15	21.00
		3	0	20.48	20.27	20.38	21.00
		3	2	20.52	20.43	20.42	21.00
		3	3	20.30	20.41	20.34	21.00
		6	0	20.38	20.28	20.36	21.00
	16QAM	1	0	20.20	20.40	20.47	21.00
		1	2	19.92	20.57	20.36	21.00
		1	5	20.28	20.48	20.39	21.00
		3	0	20.49	20.41	20.51	21.00
		3	2	20.34	20.47	20.24	21.00
		3	3	20.39	20.53	20.12	21.00
		6	0	20.47	20.39	20.30	21.00
	64QAM	1	0	20.10	20.60	20.75	21.00
		1	2	20.34	20.53	20.69	21.00
		1	5	20.29	20.18	20.50	21.00
		3	0	20.44	20.37	20.44	21.00
		3	2	20.38	20.43	20.48	21.00
		3	3	20.36	20.53	20.35	21.00
		6	0	20.40	20.31	20.28	21.00
	256QAM	1	0	19.29	19.37	19.34	20.00
		1	2	19.52	19.49	19.40	20.00
		1	5	19.50	19.63	19.49	20.00
		3	0	19.33	19.41	19.14	20.00
		3	2	19.42	19.44	19.42	20.00
		3	3	19.34	19.41	19.38	20.00
		6	0	19.48	19.39	19.41	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20415	20525	20635	
3MHz	QPSK	1	0	20.41	20.39	20.51	21.00
		1	7	20.45	20.32	20.49	21.00
		1	14	20.22	20.43	20.30	21.00
		8	0	20.46	20.32	20.42	21.00

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
				1	2	3	
5MHz	QPSK	1	0	20.47	20.34	20.42	21.00
			13	20.44	20.33	20.47	21.00
			24	20.30	20.55	20.16	21.00
			12	20.34	20.27	20.49	21.00
			12	20.39	20.56	20.42	21.00
			12	20.37	20.56	20.37	21.00
			25	20.50	20.35	20.28	21.00
	16QAM	1	0	20.29	20.43	20.56	21.00
			13	19.92	20.56	20.29	21.00
			24	20.30	20.48	20.37	21.00
			12	20.51	20.35	20.46	21.00



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			12	6	20.31	20.51	20.29	21.00	
			12	13	20.44	20.46	20.21	21.00	
			25	0	20.48	20.42	20.35	21.00	
		64QAM	1	0	20.12	20.56	20.76	21.00	
			1	13	20.46	20.56	20.66	21.00	
			1	24	20.15	20.25	20.50	21.00	
			12	0	20.46	20.28	20.41	21.00	
			12	6	20.35	20.31	20.45	21.00	
			12	13	20.41	20.47	20.30	21.00	
			25	0	20.33	20.30	20.30	21.00	
		256QAM	1	0	19.24	19.39	19.41	20.00	
			1	13	19.45	19.53	19.37	20.00	
			1	24	19.41	19.70	19.43	20.00	
			12	0	19.25	19.44	19.15	20.00	
			12	6	19.31	19.46	19.31	20.00	
			12	13	19.29	19.37	19.47	20.00	
			25	0	19.49	19.35	19.36	20.00	
10MHz		Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
						20450	20525	20600	
		QPSK		1	0	20.42	20.39	20.46	21.00
				1	25	20.44	20.35	20.44	21.00
				1	49	20.32	20.50	20.25	21.00
				25	0	20.43	20.31	20.45	21.00
				25	13	20.47	20.53	20.45	21.00
				25	25	20.40	20.51	20.43	21.00
				50	0	20.45	20.37	20.32	21.00
		16QAM		1	0	20.29	20.41	20.55	21.00
				1	25	19.93	20.58	20.38	21.00
				1	49	20.38	20.47	20.42	21.00
				25	0	20.46	20.43	20.47	21.00
				25	13	20.31	20.57	20.24	21.00
				25	25	20.40	20.50	20.21	21.00
				50	0	20.51	20.48	20.36	21.00
		64QAM		1	0	20.09	20.62	20.71	21.00
				1	25	20.43	20.51	20.71	21.00
				1	49	20.24	20.23	20.46	21.00
				25	0	20.42	20.35	20.48	21.00

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	25	13	20.42	20.39	20.47	21.00
	25	25	20.37	20.55	20.40	21.00
	50	0	20.38	20.31	20.26	21.00
256QAM	1	0	19.28	19.35	19.40	20.00
	1	25	19.50	19.48	19.38	20.00
	1	49	19.50	19.65	19.48	20.00
	25	0	19.32	19.41	19.20	20.00
	25	13	19.41	19.43	19.38	20.00
	25	25	19.36	19.36	19.45	20.00
	50	0	19.45	19.37	19.38	20.00

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LTE Band 5 DS15				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20407	20525	20643	
1.4MHz	QPSK	1	0	19.41	19.28	19.37	20.00
		1	2	19.38	19.42	19.47	20.00
		1	5	19.35	19.53	19.30	20.00
		3	0	19.51	19.37	19.55	20.00
		3	2	19.52	19.54	19.48	20.00
		3	3	19.41	19.56	19.42	20.00
		6	0	19.44	19.34	19.32	20.00
	16QAM	1	0	19.61	19.60	19.60	20.00
		1	2	19.39	19.47	19.20	20.00
		1	5	19.29	19.21	19.39	20.00
		3	0	19.54	19.36	19.47	20.00
		3	2	19.54	19.50	19.38	20.00
		3	3	19.43	19.50	19.45	20.00
		6	0	19.36	19.39	19.51	20.00
	64QAM	1	0	18.92	19.39	19.62	20.00
		1	2	19.46	19.44	19.50	20.00
		1	5	19.54	19.73	19.41	20.00
		3	0	19.34	19.40	19.40	20.00
		3	2	19.45	19.56	19.37	20.00
		3	3	19.22	19.50	19.36	20.00
		6	0	19.29	19.35	19.49	20.00
	256QAM	1	0	19.50	19.45	19.42	20.00
		1	2	18.94	19.28	19.47	20.00
		1	5	19.37	19.46	19.68	20.00
		3	0	19.33	19.37	19.42	20.00
		3	2	19.56	19.45	19.33	20.00
		3	3	19.37	19.44	19.30	20.00
		6	0	19.36	19.32	19.50	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20415	20525	20635	
3MHz	QPSK	1	0	19.39	19.37	19.41	20.00
		1	7	19.48	19.41	19.44	20.00
		1	14	19.26	19.56	19.28	20.00
		8	0	19.39	19.26	19.46	20.00

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				20425	20525	20625		
				1	2	3		
5MHz	QPSK	1	0	19.48	19.26	19.40	20.00	
			13	19.50	19.39	19.41	20.00	
			24	19.26	19.57	19.29	20.00	
			12	0	19.53	19.35	19.54	20.00
			12	6	19.49	19.56	19.46	20.00
			12	13	19.40	19.56	19.44	20.00
			25	0	19.44	19.30	19.36	20.00
	16QAM	1	0	19.54	19.53	19.57	20.00	
			13	19.40	19.37	19.25	20.00	
			24	19.43	19.14	19.45	20.00	
			12	0	19.47	19.36	19.47	20.00
			1	0	19.44	19.45	19.40	20.00
			1	7	18.87	19.40	19.51	20.00
			1	14	19.38	19.48	19.64	20.00

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Bandwidth	Modulation	RB size	RB offset	12	6	19.56	19.38	19.37	20.00	
				12	13	19.49	19.52	19.38	20.00	
				25	0	19.38	19.37	19.55	20.00	
64QAM	256QAM	256QAM	1	0	18.94	19.39	19.62	20.00		
			1	13	19.37	19.51	19.55	20.00		
			1	24	19.57	19.62	19.50	20.00		
			12	0	19.35	19.41	19.44	20.00		
			12	6	19.48	19.50	19.34	20.00		
			12	13	19.36	19.55	19.44	20.00		
			25	0	19.23	19.30	19.42	20.00		
10MHz	QPSK	QPSK	1	0	19.47	19.47	19.44	20.00		
			1	13	18.96	19.38	19.51	20.00		
			1	24	19.35	19.44	19.64	20.00		
			12	0	19.31	19.33	19.37	20.00		
			12	6	19.44	19.35	19.37	20.00		
			12	13	19.48	19.55	19.33	20.00		
			25	0	19.38	19.34	19.36	20.00		
	16QAM	16QAM	Channel	Channel	Channel	Tune up	Tune up			
			20450	20525	20600					
16QAM			1	0	19.47	19.34	19.44	20.00		
			1	25	19.48	19.41	19.51	20.00		
			1	49	19.32	19.52	19.36	20.00		
			25	0	19.48	19.32	19.51	20.00		
			25	13	19.52	19.53	19.52	20.00		
			25	25	19.40	19.52	19.45	20.00		
			50	0	19.46	19.38	19.42	20.00		
64QAM	64QAM	64QAM	1	0	19.62	19.59	19.66	20.00		
			1	25	19.45	19.44	19.23	20.00		
			1	49	19.39	19.21	19.48	20.00		
			25	0	19.52	19.33	19.48	20.00		
			25	13	19.54	19.46	19.44	20.00		
			25	25	19.44	19.52	19.47	20.00		
			50	0	19.38	19.39	19.54	20.00		

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		25	13	19.48	19.54	19.44	20.00
		25	25	19.32	19.50	19.40	20.00
		50	0	19.32	19.37	19.44	20.00
256QAM	1	0	19.48	19.43	19.46	20.00	
	1	25	18.95	19.38	19.55	20.00	
	1	49	19.44	19.52	19.63	20.00	
	25	0	19.38	19.40	19.43	20.00	
	25	13	19.52	19.43	19.41	20.00	
	25	25	19.44	19.51	19.40	20.00	
	50	0	19.38	19.39	19.46	20.00	

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LTE FDD Band 12 DS10/1/2/3				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23017	23095	23173	
1.4MHz	QPSK	1	0	24.67	24.25	24.33	25.00
		1	2	24.63	24.48	24.22	25.00
		1	5	24.63	24.28	24.42	25.00
		3	0	24.41	24.26	24.18	25.00
		3	2	24.43	24.49	24.44	25.00
		3	3	24.44	24.46	24.22	25.00
		6	0	23.25	23.47	23.66	24.00
	16QAM	1	0	23.17	23.38	23.66	24.00
		1	2	23.41	23.37	23.67	24.00
		1	5	23.45	23.61	23.56	24.00
		3	0	23.27	23.43	23.65	24.00
		3	2	23.38	23.53	23.69	24.00
		3	3	23.24	23.54	23.50	24.00
		6	0	22.36	22.19	22.18	23.00
	64QAM	1	0	22.28	22.29	22.19	23.00
		1	2	22.49	22.18	22.20	23.00
		1	5	22.48	22.39	22.41	23.00
		3	0	22.54	22.09	22.24	23.00
		3	2	22.37	22.32	22.46	23.00
		3	3	22.25	22.21	22.33	23.00
		6	0	21.30	21.40	21.25	22.00
	256QAM	1	0	19.10	19.36	19.27	20.00
		1	2	19.50	19.28	19.37	20.00
		1	5	19.50	19.23	19.43	20.00
		3	0	19.37	19.36	19.30	20.00
		3	2	19.44	19.39	19.46	20.00
		3	3	19.41	19.46	19.19	20.00
		6	0	19.41	19.20	19.32	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23025	23095	23165	
3MHz	QPSK	1	0	24.48	24.33	24.33	25.00
		1	7	24.40	24.37	24.51	25.00
		1	14	24.36	24.55	24.23	25.00
		8	0	23.38	23.33	23.40	24.00

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23035	23095	23155	
				1	7	14	
5MHz	QPSK	1	0	24.36	24.26	24.27	25.00
			13	24.52	24.39	24.51	25.00
			24	24.40	24.55	24.18	25.00
			0	23.22	23.21	23.24	24.00
			6	23.64	23.13	23.21	24.00
			13	23.26	23.27	23.33	24.00
			0	23.52	23.22	23.48	24.00
	16QAM	1	0	23.66	23.95	23.61	24.00
			13	23.62	23.61	23.56	24.00
			24	23.50	23.65	23.38	24.00
			0	22.33	22.45	22.47	23.00

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23060	23095	23130	
				12	6	22.38	23.00
10MHz	64QAM	1	0	22.57	22.56	22.66	23.00
			13	22.50	22.22	22.28	23.00
			25	22.33	22.30	22.35	23.00
		256QAM	1	22.39	22.41	22.39	23.00
			0	21.26	21.36	21.28	22.00
			6	21.49	21.21	21.36	22.00
			13	21.34	21.35	21.25	22.00
			25	21.42	21.19	21.23	22.00
10MHz	QPSK	1	0	19.41	19.35	19.24	20.00
			13	19.62	19.37	19.56	20.00
			24	19.45	19.51	19.46	20.00
			0	19.33	19.44	19.32	20.00
			6	19.48	19.43	19.17	20.00
			13	19.49	19.42	19.31	20.00
			25	19.29	19.52	19.31	20.00
	16QAM	1	0	24.41	24.28	24.39	25.00
			25	24.55	24.33	24.40	25.00
			49	24.34	24.41	24.32	25.00
			0	23.35	23.32	23.35	24.00
			13	23.50	23.27	23.34	24.00
			25	23.37	23.36	23.33	24.00
			50	23.41	23.33	23.39	24.00
	64QAM	1	0	23.52	23.84	23.56	24.00
			25	23.47	23.66	23.66	24.00
			49	23.43	23.72	23.40	24.00
			0	22.37	22.35	22.35	23.00
			13	22.43	22.38	22.35	23.00
			25	22.40	22.37	22.36	23.00
			50	22.43	22.34	22.27	23.00

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		25	13	21.46	21.34	21.29	22.00
		25	25	21.38	21.38	21.38	22.00
		50	0	21.42	21.29	21.26	22.00
256QAM	1	0	19.39	19.33	19.36	20.00	
	1	25	19.53	19.43	19.54	20.00	
	1	49	19.49	19.38	19.42	20.00	
	25	0	19.33	19.30	19.39	20.00	
	25	13	19.43	19.38	19.27	20.00	
	25	25	19.35	19.42	19.37	20.00	
	50	0	19.41	19.37	19.28	20.00	

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LTE FDD Band 12 DS14				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23017	23095	23173	
1.4MHz	QPSK	1	0	23.43	23.37	23.43	24.00
		1	2	23.51	23.53	23.54	24.00
		1	5	23.38	23.43	23.40	24.00
		3	0	23.36	23.33	23.35	24.00
		3	2	23.56	23.52	23.49	24.00
		3	3	23.42	23.48	23.41	24.00
		6	0	23.71	23.66	23.61	24.00
	16QAM	1	0	23.73	23.60	23.71	24.00
		1	2	23.75	23.60	23.57	24.00
		1	5	23.70	23.62	23.52	24.00
		3	0	23.53	23.42	23.60	24.00
		3	2	23.69	23.40	23.51	24.00
		3	3	23.60	23.63	23.61	24.00
		6	0	22.59	22.50	22.58	23.00
	64QAM	1	0	22.80	22.54	22.55	23.00
		1	2	22.65	22.56	22.68	23.00
		1	5	22.62	22.31	22.62	23.00
		3	0	22.39	22.76	22.51	23.00
		3	2	22.50	22.75	22.77	23.00
		3	3	22.16	22.44	22.30	23.00
		6	0	21.71	21.60	21.47	22.00
	256QAM	1	0	19.73	19.47	19.40	20.00
		1	2	19.51	19.88	19.70	20.00
		1	5	19.82	19.64	19.63	20.00
		3	0	19.26	19.62	19.71	20.00
		3	2	19.62	19.58	19.48	20.00
		3	3	19.56	19.61	19.57	20.00
		6	0	19.76	19.50	19.57	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23025	23095	23165	
3MHz	QPSK	1	0	23.35	23.33	23.31	24.00
		1	7	23.44	23.46	23.56	24.00
		1	14	23.36	23.45	23.40	24.00
		8	0	23.71	23.60	23.56	24.00

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23035	23095	23155	
5MHz	QPSK	1	0	23.34	23.28	23.43	24.00
		1	13	23.42	23.48	23.53	24.00
		1	24	23.31	23.50	23.30	24.00
		12	0	23.70	23.66	23.60	24.00
		12	6	23.64	23.62	23.58	24.00
		12	13	23.71	23.61	23.63	24.00
		25	0	23.73	23.57	23.54	24.00
	16QAM	1	0	23.53	23.44	23.65	24.00
		1	13	23.95	23.45	23.53	24.00
		1	24	23.63	23.55	23.60	24.00
		12	0	22.66	22.65	22.59	23.00

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23060	23095	23130	
				12	6	22.66	22.57
10MHz	QPSK	1	0	22.66	22.57	22.52	23.00
			13	22.75	22.65	22.66	23.00
			24	22.61	22.32	22.54	23.00
		64QAM	0	22.45	22.67	22.48	23.00
			13	22.46	22.67	22.86	23.00
			24	22.26	22.43	22.29	23.00
			0	21.72	21.55	21.50	22.00
10MHz	256QAM	12	6	21.51	21.13	21.39	22.00
			13	21.37	21.74	21.61	22.00
			0	21.71	21.46	21.57	22.00
		256QAM	0	19.73	19.47	19.42	20.00
			13	19.63	19.77	19.62	20.00
			24	19.83	19.68	19.74	20.00
			0	19.20	19.63	19.65	20.00
10MHz	16QAM	12	6	19.61	19.62	19.47	20.00
			13	19.63	19.68	19.67	20.00
			0	19.69	19.53	19.63	20.00
		16QAM	0	19.69	19.53	19.63	20.00
			0	19.38	19.41	19.42	20.00
			25	23.51	23.55	23.59	24.00
			49	23.41	23.47	23.39	24.00
10MHz	64QAM	25	0	23.71	23.61	23.66	24.00
			13	23.74	23.70	23.67	24.00
			25	23.76	23.64	23.63	24.00
			0	23.71	23.61	23.58	24.00
		64QAM	0	23.57	23.46	23.63	24.00
			25	23.95	23.42	23.55	24.00
			49	23.62	23.58	23.66	24.00
10MHz	16QAM	25	0	22.66	22.60	22.61	23.00
			13	22.75	22.60	22.50	23.00
			25	22.72	22.61	22.64	23.00
			0	22.68	22.35	22.60	23.00
		64QAM	0	22.47	22.74	22.48	23.00
			25	22.47	22.76	22.82	23.00
			49	22.24	22.41	22.39	23.00
			0	21.68	21.62	21.48	22.00

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		25	13	21.57	21.20	21.40	22.00
		25	25	21.33	21.72	21.67	22.00
		50	0	21.69	21.43	21.57	22.00
256QAM	1	0	19.69	19.55	19.44	20.00	
	1	25	19.61	19.84	19.67	20.00	
	1	49	19.81	19.67	19.71	20.00	
	25	0	19.23	19.69	19.67	20.00	
	25	13	19.64	19.66	19.45	20.00	
	25	25	19.61	19.69	19.67	20.00	
	50	0	19.75	19.58	19.61	20.00	

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LTE FDD Band 12 DS15				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23017	23095	23173	
1.4MHz	QPSK	1	0	22.92	23.07	22.84	23.50
		1	2	23.22	23.11	23.33	23.50
		1	5	23.14	23.11	23.09	23.50
		3	0	23.09	23.06	22.93	23.50
		3	2	23.13	23.17	23.15	23.50
		3	3	23.05	23.09	23.03	23.50
		6	0	23.16	23.00	22.99	23.50
	16QAM	1	0	22.92	23.00	22.92	23.50
		1	2	23.05	23.11	22.98	23.50
		1	5	22.99	22.81	23.00	23.50
		3	0	23.02	23.05	23.02	23.50
		3	2	22.91	22.92	22.94	23.50
		3	3	23.03	23.13	23.03	23.50
		6	0	22.53	22.46	22.48	23.00
	64QAM	1	0	22.76	22.45	22.58	23.00
		1	2	22.63	22.60	22.63	23.00
		1	5	22.67	22.23	22.57	23.00
		3	0	22.43	22.81	22.48	23.00
		3	2	22.44	22.66	22.77	23.00
		3	3	22.07	22.48	22.22	23.00
		6	0	21.65	21.61	21.42	22.00
	256QAM	1	0	19.64	19.50	19.44	20.00
		1	2	19.41	19.86	19.68	20.00
		1	5	19.82	19.66	19.60	20.00
		3	0	19.17	19.53	19.69	20.00
		3	2	19.64	19.58	19.51	20.00
		3	3	19.49	19.61	19.54	20.00
		6	0	19.72	19.52	19.52	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23025	23095	23165	
3MHz	QPSK	1	0	23.11	23.03	22.91	23.50
		1	7	23.25	23.25	23.21	23.50
		1	14	23.02	23.05	23.19	23.50
		8	0	23.03	23.01	22.98	23.50

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23035	23095	23155	
				1	7	14	
5MHz	QPSK	1	0	22.99	23.12	22.83	23.50
			13	23.27	23.21	23.28	23.50
			24	23.11	23.15	23.13	23.50
			12	23.10	23.03	23.02	23.50
			12	23.14	23.17	23.19	23.50
			12	23.14	23.10	23.09	23.50
			25	23.11	23.05	23.09	23.50
	16QAM	1	0	22.92	22.97	23.00	23.50
			13	23.11	23.08	23.06	23.50
			24	23.07	22.77	23.08	23.50
			12	22.31	22.57	22.61	23.00

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Bandwidth	Modulation	RB size	RB offset	12	6	22.54	22.27	22.57	23.00
				12	13	22.43	22.68	22.49	23.00
				25	0	22.60	22.63	22.59	23.00
10MHz	64QAM	1	0	22.51	22.31	22.63	23.00		
		1	13	22.77	22.56	22.74	23.00		
		1	24	22.30	21.92	22.46	23.00		
		12	0	21.52	21.51	21.60	22.00		
		12	6	21.33	21.59	21.35	22.00		
		12	13	21.63	21.65	21.60	22.00		
		25	0	21.72	21.27	21.55	22.00		
10MHz	256QAM	1	0	19.57	19.60	19.50	20.00		
		1	13	19.48	19.47	19.15	20.00		
		1	24	19.81	19.57	19.71	20.00		
		12	0	19.45	19.45	19.51	20.00		
		12	6	19.66	19.71	19.66	20.00		
		12	13	19.36	19.74	19.34	20.00		
		25	0	19.66	19.38	19.64	20.00		
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up		
				23060	23095	23130			
10MHz	QPSK	1	0	23.08	23.12	22.93	23.50		
		1	25	23.32	23.26	23.23	23.50		
		1	49	23.12	23.12	23.18	23.50		
		25	0	23.11	23.09	23.08	23.50		
		25	13	23.20	23.16	23.15	23.50		
		25	25	23.17	23.18	23.14	23.50		
		50	0	23.21	23.09	23.17	23.50		
10MHz	16QAM	1	0	23.00	23.04	23.09	23.50		
		1	25	23.14	23.13	23.05	23.50		
		1	49	23.05	22.79	23.17	23.50		
		25	0	22.32	22.67	22.65	23.00		
		25	13	22.58	22.36	22.67	23.00		
		25	25	22.44	22.72	22.56	23.00		
		50	0	22.68	22.61	22.67	23.00		
10MHz	64QAM	1	0	22.60	22.28	22.61	23.00		
		1	25	22.83	22.59	22.84	23.00		
		1	49	22.29	21.98	22.45	23.00		
		25	0	21.55	21.57	21.63	22.00		

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		25	13	21.30	21.64	21.42	22.00
		25	25	21.60	21.62	21.64	22.00
		50	0	21.69	21.36	21.59	22.00
256QAM		1	0	19.56	19.69	19.47	20.00
		1	25	19.54	19.45	19.21	20.00
		1	49	19.80	19.66	19.68	20.00
		25	0	19.52	19.46	19.60	20.00
		25	13	19.74	19.69	19.61	20.00
		25	25	19.38	19.69	19.42	20.00
		50	0	19.72	19.47	19.67	20.00

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LTE FDD Band 13 DS10/1/2/3				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23205	23230	23255	
5MHz	QPSK	1	0	24.24	24.01	24.17	25.00
		1	13	24.31	24.14	24.14	25.00
		1	24	24.26	24.42	24.26	25.00
		12	0	23.05	23.09	23.24	24.00
		12	6	23.22	23.29	23.21	24.00
		12	13	23.05	23.09	23.19	24.00
		25	0	23.20	23.03	23.17	24.00
	16QAM	1	0	23.45	23.24	23.48	24.00
		1	13	23.40	23.32	23.17	24.00
		1	24	23.40	23.33	23.34	24.00
		12	0	22.27	22.31	22.22	23.00
		12	6	22.27	22.10	22.24	23.00
		12	13	22.08	22.10	22.17	23.00
		25	0	22.24	22.06	22.10	23.00
	64QAM	1	0	22.05	22.16	22.06	23.00
		1	13	22.17	22.17	22.34	23.00
		1	24	22.49	22.29	22.54	23.00
		12	0	21.27	21.11	21.27	22.00
		12	6	21.13	21.08	21.14	22.00
		12	13	21.15	21.15	21.07	22.00
		25	0	21.06	20.94	20.98	22.00
	256QAM	1	0	19.14	19.17	19.06	20.00
		1	13	19.30	19.24	19.10	20.00
		1	24	19.42	19.32	19.31	20.00
		12	0	19.16	19.11	19.26	20.00
		12	6	18.98	19.09	19.07	20.00
		12	13	19.11	19.27	19.10	20.00
		25	0	19.22	19.23	19.13	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	23230	/	
10MHz	QPSK	1	0	/	24.09	/	25.00
		1	25	/	24.25	/	25.00
		1	49	/	24.3	/	25.00
		25	0	/	23.19	/	24.00

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	25	13	/	23.18	/	24.00
	25	25	/	23.16	/	24.00
	50	0	/	23.13	/	24.00
16QAM	1	0	/	23.38	/	24.00
	1	25	/	23.26	/	24.00
	1	49	/	23.32	/	24.00
	25	0	/	22.17	/	23.00
	25	13	/	22.2	/	23.00
	25	25	/	22.14	/	23.00
	50	0	/	22.18	/	23.00
64QAM	1	0	/	22.14	/	23.00
	1	25	/	22.21	/	23.00
	1	49	/	22.39	/	23.00
	25	0	/	21.15	/	22.00
	25	13	/	21.15	/	22.00
	25	25	/	21.16	/	22.00
	50	0	/	21.08	/	22.00
256QAM	1	0	/	19.21	/	20.00
	1	25	/	19.19	/	20.00
	1	49	/	19.30	/	20.00
	25	0	/	19.11	/	20.00
	25	13	/	19.12	/	20.00
	25	25	/	19.22	/	20.00
	50	0	/	19.11	/	20.00

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LTE FDD Band 13 DS14				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23205	23230	23255	
5MHz	QPSK	1	0	21.97	22.02	21.96	22.50
		1	13	21.95	21.91	21.92	22.50
		1	24	21.82	21.83	21.88	22.50
		12	0	21.91	22.06	21.94	22.50
		12	6	21.83	21.93	21.93	22.50
		12	13	21.95	21.94	21.85	22.50
		25	0	22.06	21.95	21.93	22.50
	16QAM	1	0	22.02	22.30	22.16	22.50
		1	13	22.21	21.92	21.88	22.50
		1	24	22.13	22.01	22.12	22.50
		12	0	22.12	22.14	22.11	22.50
		12	6	21.96	22.07	21.99	22.50
		12	13	21.95	21.97	21.88	22.50
		25	0	21.84	21.82	21.93	22.50
	64QAM	1	0	21.88	22.24	22.15	22.50
		1	13	21.97	21.99	22.08	22.50
		1	24	21.87	21.79	21.78	22.50
		12	0	20.97	21.04	21.12	22.00
		12	6	21.06	20.92	20.99	22.00
		12	13	21.16	21.12	21.13	22.00
		25	0	21.08	21.02	21.11	22.00
	256QAM	1	0	19.34	19.42	19.42	20.00
		1	13	19.46	19.49	19.50	20.00
		1	24	19.44	19.43	19.45	20.00
		12	0	19.54	19.54	19.49	20.00
		12	6	19.55	19.45	19.46	20.00
		12	13	19.36	19.37	19.28	20.00
		25	0	19.37	19.29	19.31	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	23230	/	
10MHz	QPSK	1	0	/	22.03	/	22.50
		1	25	/	21.98	/	22.50
		1	49	/	21.84	/	22.50
		25	0	/	21.95	/	22.50

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	25	13	/	21.92	/	22.50
	25	25	/	21.93	/	22.50
	50	0	/	22.01	/	22.50
16QAM	1	0	/	22.39	/	22.50
	1	25	/	21.87	/	22.50
	1	49	/	22.09	/	22.50
	25	0	/	22.11	/	22.50
	25	13	/	22.04	/	22.50
	25	25	/	21.95	/	22.50
	50	0	/	21.90	/	22.50
	1	0	/	22.22	/	22.50
64QAM	1	25	/	22.04	/	22.50
	1	49	/	21.83	/	22.50
	25	0	/	21.06	/	22.00
	25	13	/	21.02	/	22.00
	25	25	/	21.18	/	22.00
	50	0	/	21.07	/	22.00
	1	0	/	19.39	/	20.00
	1	25	/	19.50	/	20.00
256QAM	1	49	/	19.48	/	20.00
	25	0	/	19.53	/	20.00
	25	13	/	19.55	/	20.00
	25	25	/	19.35	/	20.00
	50	0	/	19.37	/	20.00

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LTE FDD Band 13 DS15				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23205	23230	23255	
5MHz	QPSK	1	0	21.57	21.43	21.45	22.00
		1	13	21.54	21.42	21.52	22.00
		1	24	21.40	21.29	21.33	22.00
		12	0	21.63	21.48	21.46	22.00
		12	6	21.43	21.44	21.47	22.00
		12	13	21.42	21.42	21.32	22.00
		25	0	21.35	21.43	21.24	22.00
	16QAM	1	0	21.25	21.28	21.24	22.00
		1	13	21.34	21.51	21.61	22.00
		1	24	21.11	21.15	21.09	22.00
		12	0	21.54	21.40	21.42	22.00
		12	6	21.38	21.34	21.49	22.00
		12	13	21.50	21.41	21.36	22.00
		25	0	21.15	21.08	21.31	22.00
	64QAM	1	0	21.27	21.33	21.36	22.00
		1	13	21.37	21.26	21.33	22.00
		1	24	21.10	21.06	21.21	22.00
		12	0	21.35	21.39	21.46	22.00
		12	6	21.42	21.42	21.47	22.00
		12	13	21.51	21.41	21.36	22.00
		25	0	21.34	21.34	21.30	22.00
	256QAM	1	0	19.22	19.52	19.38	20.00
		1	13	19.17	19.27	19.19	20.00
		1	24	19.43	19.26	19.19	20.00
		12	0	19.37	19.40	19.47	20.00
		12	6	19.33	19.33	19.37	20.00
		12	13	19.38	19.24	19.31	20.00
		25	0	19.42	19.42	19.40	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	23230	/	
10MHz	QPSK	1	0	/	21.53	/	22.00
		1	25	/	21.49	/	22.00
		1	49	/	21.40	/	22.00
		25	0	/	21.58	/	22.00

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	25	13	/	21.46	/	22.00
	25	25	/	21.39	/	22.00
	50	0	/	21.39	/	22.00
16QAM	1	0	/	21.23	/	22.00
	1	25	/	21.60	/	22.00
	1	49	/	21.10	/	22.00
	25	0	/	21.61	/	22.00
	25	13	/	21.44	/	22.00
	25	25	/	21.46	/	22.00
	50	0	/	21.18	/	22.00
	1	0	/	21.37	/	22.00
64QAM	1	25	/	21.39	/	22.00
	1	49	/	21.16	/	22.00
	25	0	/	21.54	/	22.00
	25	13	/	21.43	/	22.00
	25	25	/	21.46	/	22.00
	50	0	/	21.30	/	22.00
	1	0	/	19.48	/	20.00
	1	25	/	19.19	/	20.00
256QAM	1	49	/	19.41	/	20.00
	25	0	/	19.46	/	20.00
	25	13	/	19.35	/	20.00
	25	25	/	19.39	/	20.00
	50	0	/	19.42	/	20.00

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LTE FDD Band 14 DS10/1/2/3				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23305	23330	23355	
5MHz	QPSK	1	0	24.01	24.03	24.13	25.00
		1	13	24.17	24.20	24.17	25.00
		1	24	23.87	24.09	24.03	25.00
		12	0	23.10	22.89	23.02	24.00
		12	6	23.04	23.03	23.08	24.00
		12	13	22.86	23.09	22.97	24.00
		25	0	23.13	22.98	22.89	24.00
	16QAM	1	0	23.42	23.26	23.43	24.00
		1	13	23.16	23.23	23.31	24.00
		1	24	22.90	22.83	22.94	24.00
		12	0	22.03	21.99	22.14	23.00
		12	6	21.94	21.99	22.13	23.00
		12	13	22.06	22.25	22.07	23.00
		25	0	22.08	21.89	22.09	23.00
	64QAM	1	0	22.45	22.29	22.26	23.00
		1	13	22.22	22.40	22.45	23.00
		1	24	21.83	21.97	22.08	23.00
		12	0	21.21	21.13	21.24	22.00
		12	6	21.06	21.31	21.06	22.00
		12	13	21.07	21.13	21.13	22.00
		25	0	20.98	20.98	21.09	22.00
	256QAM	1	0	19.02	19.26	19.27	20.00
		1	13	19.17	19.15	19.34	20.00
		1	24	18.89	19.06	18.87	20.00
		12	0	18.98	19.09	19.19	20.00
		12	6	18.99	19.06	19.14	20.00
		12	13	19.25	19.11	19.07	20.00
		25	0	19.07	18.95	19.16	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	23330	/	
10MHz	QPSK	1	0	/	24.15	/	25.00
		1	25	/	24.11	/	25.00
		1	49	/	24.02	/	25.00
		25	0	/	22.98	/	24.00

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	25	13	/	23.00	/	24.00
	25	25	/	23.00	/	24.00
	50	0	/	23.04	/	24.00
16QAM	1	0	/	23.38	/	24.00
	1	25	/	23.20	/	24.00
	1	49	/	22.98	/	24.00
	25	0	/	22.08	/	23.00
	25	13	/	22.08	/	23.00
	25	25	/	22.19	/	23.00
	50	0	/	22.00	/	23.00
64QAM	1	0	/	22.34	/	23.00
	1	25	/	22.33	/	23.00
	1	49	/	21.95	/	23.00
	25	0	/	21.10	/	22.00
	25	13	/	21.17	/	22.00
	25	25	/	21.08	/	22.00
	50	0	/	21.08	/	22.00
256QAM	1	0	/	19.16	/	20.00
	1	25	/	19.28	/	20.00
	1	49	/	19.02	/	20.00
	25	0	/	19.11	/	20.00
	25	13	/	19.13	/	20.00
	25	25	/	19.14	/	20.00
	50	0	/	19.10	/	20.00

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LTE FDD Band 14 DS14				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23305	23330	23355	
5MHz	QPSK	1	0	21.95	21.80	21.70	22.50
		1	13	21.79	21.58	21.75	22.50
		1	24	21.73	21.53	21.71	22.50
		12	0	21.77	21.95	21.66	22.50
		12	6	21.64	21.73	21.67	22.50
		12	13	21.58	21.86	21.64	22.50
		25	0	21.70	21.75	21.72	22.50
	16QAM	1	0	21.79	21.65	21.69	22.50
		1	13	21.87	21.54	21.68	22.50
		1	24	21.85	21.87	21.76	22.50
		12	0	21.84	21.98	21.73	22.50
		12	6	21.75	21.70	21.75	22.50
		12	13	21.82	21.89	21.81	22.50
		25	0	21.66	21.73	21.77	22.50
	64QAM	1	0	21.64	21.56	21.75	22.50
		1	13	21.33	21.37	21.58	22.50
		1	24	21.70	21.65	21.65	22.50
		12	0	21.87	21.64	21.88	22.00
		12	6	21.44	21.55	21.52	22.00
		12	13	21.71	21.60	21.63	22.00
		25	0	21.65	21.46	21.66	22.00
	256QAM	1	0	19.35	19.29	19.39	20.00
		1	13	19.38	19.41	19.42	20.00
		1	24	19.32	19.34	19.38	20.00
		12	0	19.27	19.33	19.31	20.00
		12	6	19.27	19.31	19.26	20.00
		12	13	19.21	19.31	19.21	20.00
		25	0	19.16	19.17	19.26	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	23330	/	
10MHz	QPSK	1	0	/	21.92	/	22.50
		1	25	/	21.75	/	22.50
		1	49	/	21.81	/	22.50
		25	0	/	21.92	/	22.50

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	25	13	/	21.74	/	22.50
	25	25	/	21.84	/	22.50
	50	0	/	21.72	/	22.50
16QAM	1	0	/	21.74	/	22.50
	1	25	/	21.92	/	22.50
	1	49	/	21.82	/	22.50
	25	0	/	21.99	/	22.50
	25	13	/	21.78	/	22.50
	25	25	/	21.87	/	22.50
	50	0	/	21.73	/	22.50
	1	0	/	21.71	/	22.50
64QAM	1	25	/	21.40	/	22.50
	1	49	/	21.74	/	22.50
	25	0	/	21.96	/	22.00
	25	13	/	21.51	/	22.00
	25	25	/	21.74	/	22.00
	50	0	/	21.74	/	22.00
	1	0	/	19.34	/	20.00
	1	25	/	19.37	/	20.00
256QAM	1	49	/	19.41	/	20.00
	25	0	/	19.33	/	20.00
	25	13	/	19.34	/	20.00
	25	25	/	19.20	/	20.00
	50	0	/	19.19	/	20.00

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LTE FDD Band 14 DS15				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23305	23330	23355	
5MHz	QPSK	1	0	20.94	20.85	21.09	21.50
		1	13	20.94	20.75	20.86	21.50
		1	24	20.98	20.91	20.84	21.50
		12	0	20.80	20.78	20.83	21.50
		12	6	20.73	20.69	20.83	21.50
		12	13	20.87	20.93	20.87	21.50
		25	0	20.75	20.79	20.81	21.50
	16QAM	1	0	21.11	20.78	21.06	21.50
		1	13	20.97	20.98	20.96	21.50
		1	24	20.82	20.68	20.72	21.50
		12	0	20.79	20.74	20.74	21.50
		12	6	20.70	20.79	20.61	21.50
		12	13	20.69	20.80	20.67	21.50
		25	0	20.77	20.69	20.79	21.50
	64QAM	1	0	21.07	20.97	21.04	21.50
		1	13	20.92	20.73	20.90	21.50
		1	24	20.79	20.85	20.83	21.50
		12	0	20.89	20.69	20.77	21.50
		12	6	20.72	20.77	20.79	21.50
		12	13	20.87	20.77	20.74	21.50
		25	0	20.77	20.77	20.92	21.50
	256QAM	1	0	19.28	19.33	19.37	20.00
		1	13	19.31	19.37	19.32	20.00
		1	24	19.45	19.32	19.44	20.00
		12	0	19.24	19.34	19.33	20.00
		12	6	19.35	19.37	19.26	20.00
		12	13	19.11	19.26	19.19	20.00
		25	0	19.13	19.19	19.33	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	23330	/	
10MHz	QPSK	1	0	/	21.02	/	21.50
		1	25	/	20.84	/	21.50
		1	49	/	20.87	/	21.50
		25	0	/	20.85	/	21.50

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	25	13	/	20.79	/	21.50
	25	25	/	20.82	/	21.50
	50	0	/	20.84	/	21.50
16QAM	1	0	/	21.11	/	21.50
	1	25	/	21.06	/	21.50
	1	49	/	20.78	/	21.50
	25	0	/	20.89	/	21.50
	25	13	/	20.78	/	21.50
	25	25	/	20.79	/	21.50
	50	0	/	20.75	/	21.50
	1	0	/	21.12	/	21.50
64QAM	1	25	/	20.91	/	21.50
	1	49	/	20.82	/	21.50
	25	0	/	20.93	/	21.50
	25	13	/	20.78	/	21.50
	25	25	/	20.96	/	21.50
	50	0	/	20.83	/	21.50
	1	0	/	19.45	/	20.00
	1	25	/	19.42	/	20.00
256QAM	1	49	/	19.43	/	20.00
	25	0	/	19.41	/	20.00
	25	13	/	19.25	/	20.00
	25	25	/	19.28	/	20.00
	50	0	/	19.37	/	20.00

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LTE Band 26 DS10/1/2/3				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26697	26865	27033	
1.4MHz	QPSK	1	0	24.10	24.06	23.95	25.00
		1	2	24.16	24.04	23.90	25.00
		1	5	24.19	24.04	24.05	25.00
		3	0	24.26	24.27	23.87	25.00
		3	2	24.08	24.26	24.05	25.00
		3	3	24.20	24.00	24.02	25.00
		6	0	23.10	23.13	23.36	24.00
	16QAM	1	0	22.90	23.08	23.29	24.00
		1	2	23.14	22.98	23.41	24.00
		1	5	22.93	22.86	23.26	24.00
		3	0	22.98	23.01	23.34	24.00
		3	2	22.98	23.07	23.46	24.00
		3	3	23.16	23.13	23.47	24.00
		6	0	22.32	21.92	22.29	23.00
	64QAM	1	0	22.03	22.09	22.12	23.00
		1	2	22.17	21.90	22.28	23.00
		1	5	22.28	22.07	22.21	23.00
		3	0	22.07	22.18	22.37	23.00
		3	2	22.05	21.93	22.10	23.00
		3	3	22.24	22.01	22.28	23.00
		6	0	21.05	21.22	21.69	22.00
	256QAM	1	0	18.94	19.14	19.14	20.00
		1	2	19.10	18.93	19.55	20.00
		1	5	19.22	19.61	19.47	20.00
		3	0	18.91	19.21	19.13	20.00
		3	2	19.07	18.97	19.18	20.00
		3	3	19.28	19.01	19.07	20.00
		6	0	19.16	19.12	19.20	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26705	26865	27025	
3MHz	QPSK	1	0	24.11	24.19	23.93	25.00
		1	7	24.13	23.92	24.28	25.00
		1	14	24.04	24.16	23.90	25.00
		8	0	23.23	23.15	23.26	24.00

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26715	26865	27015	
				1	7	14	
5MHz	QPSK	1	0	24.27	24.00	24.03	25.00
			13	24.14	24.07	24.16	25.00
			24	23.83	24.18	23.81	25.00
			12	22.94	23.00	23.26	24.00
			12	23.34	23.00	23.12	24.00
			12	23.30	23.07	23.25	24.00
			25	23.10	23.13	23.14	24.00
	16QAM	1	0	23.06	23.24	23.46	24.00
			13	23.31	23.16	23.45	24.00
			24	23.61	23.21	23.41	24.00
			12	22.17	22.14	22.08	23.00

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		12	6	22.14	22.05	22.24	23.00
		12	13	22.15	22.25	22.11	23.00
		25	0	22.12	22.18	22.36	23.00
	64QAM	1	0	22.04	22.09	22.27	23.00
		1	13	22.08	22.15	22.16	23.00
		1	24	22.27	22.16	22.06	23.00
		12	0	21.26	21.03	21.11	22.00
		12	6	21.27	21.15	21.21	22.00
	256QAM	12	13	21.11	21.32	21.38	22.00
		25	0	21.03	20.97	21.37	22.00
		1	0	19.00	19.32	19.22	20.00
		1	13	19.05	19.07	19.39	20.00
		1	24	19.23	19.21	19.36	20.00
		12	0	18.97	18.97	19.25	20.00
		12	6	19.04	19.04	19.20	20.00
		12	13	19.09	18.96	19.13	20.00
		25	0	18.99	19.03	19.23	20.00
10MHz		Modulation	RB size	RB offset	Channel	Channel	Channel
					26740	26865	26990
		QPSK	1	0	24.26	24.17	24.13
			1	25	23.93	24.14	24.25
			1	49	24.00	24.28	23.82
			25	0	23.01	23.03	23.17
			25	13	23.09	22.96	23.12
			25	25	23.04	23.17	23.30
			50	0	23.16	23.07	23.27
	16QAM		1	0	23.20	23.26	23.35
			1	25	23.38	23.19	23.39
			1	49	23.53	23.14	23.33
			25	0	21.98	22.06	22.06
			25	13	22.29	22.18	22.21
			25	25	22.40	22.25	22.04
			50	0	22.16	22.05	22.31
	64QAM		1	0	22.13	22.14	22.10
			1	25	22.35	22.17	22.36
			1	49	22.05	22.13	22.25
			25	0	21.18	21.16	21.18

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		25	13	21.24	21.22	21.21	22.00
		25	25	21.05	21.07	21.35	22.00
		50	0	21.29	21.16	21.32	22.00
256QAM		1	0	18.92	19.12	19.25	20.00
		1	25	19.13	19.02	19.34	20.00
		1	49	19.22	19.39	19.33	20.00
		25	0	18.93	19.21	19.37	20.00
		25	13	19.16	18.96	19.05	20.00
		25	25	19.19	19.19	19.04	20.00
		50	0	19.15	19.09	19.24	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26765	26865	26965	
15MHz	QPSK	1	0	24.19	24.07	24.07	25.00
		1	38	24.04	24.00	24.21	25.00
		1	74	23.98	24.26	23.91	25.00
		36	0	23.09	23.12	23.21	24.00
		36	18	23.22	23.05	23.16	24.00
		36	39	23.19	23.18	23.17	24.00
		75	0	23.18	23.11	23.23	24.00
	16QAM	1	0	23.14	23.13	23.41	24.00
		1	38	23.31	23.15	23.48	24.00
		1	74	23.46	23.15	23.30	24.00
		36	0	22.06	22.15	22.14	23.00
		36	18	22.21	22.13	22.16	23.00
		36	39	22.25	22.22	22.19	23.00
		75	0	22.16	22.10	22.27	23.00
	64QAM	1	0	22.07	22.21	22.18	23.00
		1	38	22.22	22.12	22.29	23.00
		1	74	22.14	22.24	22.21	23.00
		36	0	21.11	21.07	21.23	22.00
		36	18	21.19	21.08	21.22	22.00
		36	39	21.17	21.18	21.25	22.00
		75	0	21.14	21.08	21.24	22.00
	256QAM	1	0	19.03	19.25	19.13	20.00
		1	38	19.09	19.10	19.40	20.00
		1	74	19.27	19.36	19.32	20.00
		36	0	19.03	19.12	19.23	20.00

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## SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

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	36	18	19.14	19.01	19.20	20.00
	36	39	19.21	19.04	19.17	20.00
	75	0	19.13	19.08	19.23	20.00

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