



Appendix E

Conducted RF Output Power Table

1	Measurement of RF conducted Power
1.1	Conducted Power of Main Antenna (Ant1)
1.2	Conducted Power of Main Antenna (Ant3)
1.3	Conducted Power of Main Antenna (Ant4)
1.4	Conducted Power of Main Antenna (Ant5)
2	Conducted Power of Uplink CA and Downlink CA
2.1	Uplink LTE CA Conducted Power of Ant3
2.2	Uplink LTE CA Conducted Power of Ant5
2.3	Downlink LTE CA Conducted Power of MAIN
2.4	Downlink LTE CA Conducted Power of DIV
3	Conducted Power of WiFi and BT
3.1	Conducted Power of WiFi
3.2	Conducted Power of BT

1 Measurement of RF conducted Power

1.1 Conducted Power of Main Antenna (Ant1)

1.1.1 Conducted Power of GSM

GSM 850										
		Burst Output Power(dBm)			Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		128	190	251			128	190	251	
GSM(GMSK)	GSM	32.35	32.53	32.55	33.50	-9.19	23.16	23.34	23.36	24.31
GPRS/EGPRS (GMSK)	1 TX Slot	32.23	32.53	32.59	33.50	-9.19	23.04	23.34	23.40	24.31
	2 TX Slots	29.16	28.79	29.01	30.50	-6.18	22.98	22.61	22.83	24.32
	3 TX Slots	27.26	27.16	27.18	29.00	-4.42	22.84	22.74	22.76	24.58
	4 TX Slots	25.78	25.55	25.57	27.50	-3.17	22.61	22.38	22.40	24.33
EGPRS(8PSK)	1 TX Slot	26.95	27.04	27.06	28.50	-9.19	17.76	17.85	17.87	19.31
	2 TX Slots	24.09	24.37	24.25	25.50	-6.18	17.91	18.19	18.07	19.32
	3 TX Slots	22.48	22.47	22.54	24.00	-4.42	18.06	18.05	18.12	19.58
	4 TX Slots	21.15	21.01	21.00	22.50	-3.17	17.98	17.84	17.83	19.33

Table 1 : Conducted Power of GSM

1.1.2 Conducted Power of WCDMA

WCDMA Band V					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	24.15	24.18	24.16	25.00
	12.2kbps AMR	24.17	24.17	24.14	25.00
HSDPA	Subtest 1	22.93	22.88	22.88	24.00
	Subtest 2	22.90	22.89	22.87	24.00
	Subtest 3	22.55	22.40	22.38	23.50
	Subtest 4	22.49	22.30	22.31	23.50
HSUPA	Subtest 1	23.04	22.87	22.84	24.00
	Subtest 2	21.02	20.81	20.83	22.00
	Subtest 3	22.00	21.90	21.80	23.00
	Subtest 4	20.99	20.80	20.81	22.00
	Subtest 5	23.00	22.88	22.82	24.00
DC-HSDPA	Subtest 1	23.06	22.87	22.87	24.00
	Subtest 2	23.04	22.80	22.82	24.00
	Subtest 3	22.45	22.32	22.32	23.50
	Subtest 4	22.49	22.28	22.37	23.50
HSPA+	16QAM	21.55	21.31	21.29	22.50

Table 2 : Conducted Power of WCDMA



1.1.3 Conducted Power of LTE

LTE Band 5				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20407	20525	20643	
1.4MHz	QPSK	1	0	23.02	23.10	23.24	24.50
		1	2	23.18	23.05	23.17	24.50
		1	5	23.07	23.10	23.06	24.50
		3	0	23.15	23.15	23.28	24.50
		3	2	23.21	23.08	23.15	24.50
		3	3	23.16	23.21	23.23	24.50
	16QAM	6	0	22.11	22.12	22.27	23.50
		1	0	22.61	22.56	22.27	23.50
		1	2	22.33	22.69	22.53	23.50
		1	5	22.06	22.19	22.36	23.50
		3	0	22.12	22.20	22.29	23.50
		3	2	22.19	22.12	22.29	23.50
	64QAM	3	3	22.05	22.17	21.94	23.50
		6	0	21.22	21.21	21.18	22.50
		1	0	21.57	21.54	21.24	22.50
		1	2	21.33	21.66	21.51	22.50
		1	5	21.06	21.16	21.36	22.50
		3	0	21.11	21.19	21.26	22.50
3MHz	QPSK	3	2	21.14	21.07	21.26	22.50
		3	3	21.02	21.16	20.91	22.50
		6	0	20.17	20.20	20.18	21.50
		1	0	23.17	23.44	23.12	24.50
		1	7	23.23	23.42	23.32	24.50
		1	14	23.08	23.34	23.14	24.50
	16QAM	8	0	22.26	22.31	22.28	23.50
		8	4	22.17	22.34	22.32	23.50
		8	7	22.14	22.26	22.25	23.50
		15	0	22.17	22.35	22.35	23.50
		1	0	22.26	22.20	22.27	23.50
		1	7	22.56	22.49	22.63	23.50
64QAM	1	14	22.12	22.53	22.47	23.50	
	8	0	21.39	21.40	21.32	22.50	
	8	4	21.32	21.40	21.30	22.50	
	8	7	21.35	21.40	21.21	22.50	
	15	0	21.41	21.23	21.21	22.50	
	1	0	21.22	21.18	21.27	22.50	
64QAM	1	7	21.51	21.46	21.60	22.50	
	1	14	21.11	21.49	21.46	22.50	
	8	0	20.39	20.39	20.30	21.50	
	8	4	20.30	20.35	20.25	21.50	
	8	7	20.34	20.38	20.16	21.50	
	15	0	20.36	20.18	20.16	21.50	



Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				20425	20525	20625		
5MHz	QPSK	1	0	23.07	23.12	23.25	24.50	
		1	13	22.99	23.21	23.35	24.50	
		1	24	23.17	23.23	23.10	24.50	
		12	0	22.26	22.27	22.38	23.50	
		12	6	22.29	22.18	23.04	23.50	
		12	13	22.24	22.20	22.30	23.50	
	16QAM	25	0	22.26	22.30	22.19	23.50	
		1	0	22.30	22.30	22.59	23.50	
		1	13	22.61	22.54	22.34	23.50	
		1	24	22.67	22.18	22.44	23.50	
		12	0	21.28	21.29	21.42	22.50	
		12	6	21.34	21.28	21.36	22.50	
	64QAM	12	13	21.28	21.29	21.34	22.50	
		25	0	21.26	21.33	21.34	22.50	
		1	0	21.26	21.20	21.24	22.50	
		1	13	21.55	21.49	21.63	22.50	
		1	24	21.11	21.51	21.45	22.50	
		12	0	20.35	20.37	20.30	21.50	
	10MHz	QPSK	12	6	20.29	20.39	20.25	21.50
			12	13	20.30	20.37	20.17	21.50
			25	0	20.37	20.23	20.21	21.50
1			0	23.32	23.27	23.33	24.50	
1			25	23.22	23.28	23.17	24.50	
1			49	23.12	23.12	23.45	24.50	
25			0	22.28	22.25	22.36	23.50	
16QAM		25	13	22.24	22.43	22.30	23.50	
		25	25	22.18	22.26	22.40	23.50	
		50	0	22.27	22.20	22.29	23.50	
		1	0	22.35	22.63	22.22	23.50	
		1	25	22.48	22.65	22.65	23.50	
		1	49	22.39	22.68	22.31	23.50	
		25	0	21.19	21.44	21.38	22.50	
64QAM		25	13	21.35	21.41	21.37	22.50	
		25	25	21.23	21.26	21.31	22.50	
		50	0	21.28	21.34	21.30	22.50	
		1	0	21.21	21.17	21.25	22.50	
		1	25	21.54	21.46	21.58	22.50	
		1	49	21.10	21.50	21.44	22.50	
		25	0	20.36	20.36	20.28	21.50	
10MHz	64QAM	25	13	20.31	20.37	20.26	21.50	
		25	25	20.33	20.37	20.20	21.50	
		50	0	20.41	20.18	20.16	21.50	
		50	0	20.41	20.18	20.16	21.50	



LTE Band 12				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23017	23095	23173	
1.4MHz	QPSK	1	0	23.63	23.65	23.85	25.00
		1	2	23.54	23.83	23.76	25.00
		1	5	23.56	23.75	23.78	25.00
		3	0	23.49	23.81	23.82	25.00
		3	2	23.78	23.78	24.09	25.00
		3	3	23.66	23.71	23.83	25.00
		6	0	22.65	22.82	22.76	24.00
	16QAM	1	0	22.60	23.04	23.05	24.00
		1	2	22.90	23.05	22.77	24.00
		1	5	22.45	22.73	22.77	24.00
		3	0	22.66	22.87	22.71	24.00
		3	2	22.54	22.68	22.47	24.00
		3	3	22.72	22.70	22.56	24.00
		6	0	21.97	21.90	21.78	23.00
	64QAM	1	0	21.56	22.03	22.02	23.00
		1	2	21.86	22.05	21.74	23.00
		1	5	21.45	21.71	21.77	23.00
		3	0	21.62	21.82	21.67	23.00
		3	2	21.49	21.68	21.47	23.00
		3	3	21.68	21.69	21.56	23.00
		6	0	20.92	20.87	20.75	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23025	23095	23165	
3MHz	QPSK	1	0	23.62	23.69	23.89	25.00
		1	7	23.65	23.94	24.06	25.00
		1	14	23.60	23.99	23.83	25.00
		8	0	22.75	22.83	22.75	24.00
		8	4	22.60	22.78	22.91	24.00
		8	7	22.71	22.72	22.88	24.00
		15	0	22.88	22.84	22.93	24.00
	16QAM	1	0	22.68	23.26	22.97	24.00
		1	7	22.86	23.18	22.86	24.00
		1	14	22.66	22.82	23.12	24.00
		8	0	21.72	21.89	21.87	23.00
		8	4	21.73	22.02	21.83	23.00
		8	7	21.67	21.69	21.87	23.00
		15	0	21.70	21.97	21.85	23.00
	64QAM	1	0	21.66	22.25	21.93	23.00
		1	7	21.82	22.13	21.85	23.00
		1	14	21.61	21.82	22.12	23.00
		8	0	20.68	20.87	20.83	22.00
		8	4	20.69	21.01	20.81	22.00
		8	7	20.64	20.64	20.87	22.00
		15	0	20.67	20.92	20.84	22.00



Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23035	23095	23155	
5MHz	QPSK	1	0	23.70	23.77	23.76	25.00
		1	13	23.71	23.82	23.95	25.00
		1	24	23.69	23.93	23.89	25.00
		12	0	22.72	22.76	22.90	24.00
		12	6	22.68	22.92	23.06	24.00
		12	13	22.66	22.87	22.85	24.00
		25	0	22.84	22.81	22.90	24.00
	16QAM	1	0	23.09	22.93	22.80	24.00
		1	13	23.09	23.04	23.10	24.00
		1	24	22.95	23.02	22.85	24.00
		12	0	21.77	21.82	21.87	23.00
		12	6	21.74	21.90	21.84	23.00
		12	13	21.82	21.98	21.48	23.00
		25	0	21.95	21.87	21.86	23.00
	64QAM	1	0	21.64	22.21	21.93	23.00
		1	13	21.83	22.14	21.82	23.00
		1	24	21.66	21.77	22.08	23.00
		12	0	20.70	20.85	20.83	22.00
		12	6	20.68	21.00	20.83	22.00
		12	13	20.62	20.66	20.86	22.00
		25	0	20.68	20.96	20.83	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23060	23095	23130	
10MHz	QPSK	1	0	23.71	23.53	23.85	25.00
		1	25	23.70	23.86	23.81	25.00
		1	49	23.91	24.12	24.06	25.00
		25	0	22.86	22.86	22.89	24.00
		25	13	22.97	23.02	22.95	24.00
		25	25	22.86	22.92	23.53	24.00
		50	0	22.92	23.00	23.06	24.00
	16QAM	1	0	23.04	22.78	23.21	24.00
		1	25	23.25	23.29	22.89	24.00
		1	49	22.96	22.98	22.81	24.00
		25	0	21.93	21.92	22.05	23.00
		25	13	21.99	22.00	21.97	23.00
		25	25	22.00	22.02	21.91	23.00
		50	0	22.10	22.04	22.00	23.00
	64QAM	1	0	21.66	22.22	21.93	23.00
		1	25	21.83	22.16	21.85	23.00
		1	49	21.66	21.82	22.11	23.00
		25	0	20.67	20.88	20.87	22.00
		25	13	20.69	20.98	20.82	22.00
		25	25	20.64	20.66	20.87	22.00
		50	0	20.69	20.96	20.81	22.00



Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				23755	23790	23825		
5MHz	QPSK	1	0	23.98	23.86	23.93	25.00	
		1	13	24.05	24.00	24.25	25.00	
		1	24	23.98	24.13	24.01	25.00	
		12	0	23.07	23.01	23.14	24.00	
		12	6	23.11	23.05	23.16	24.00	
		12	13	23.02	23.01	23.24	24.00	
	16QAM	25	0	23.02	23.11	23.10	24.00	
		1	0	23.47	23.21	23.35	24.00	
		1	13	23.45	22.87	23.21	24.00	
		1	24	23.20	23.05	22.96	24.00	
		12	0	22.11	21.99	22.07	23.00	
		12	6	22.08	22.15	22.06	23.00	
	64QAM	12	13	22.08	22.01	22.02	23.00	
		25	0	22.06	22.04	22.16	23.00	
		1	0	22.45	22.19	22.33	23.00	
		1	13	22.40	21.84	22.18	23.00	
		1	24	22.16	22.05	21.95	23.00	
		12	0	21.08	20.98	21.07	22.00	
	10MHz	QPSK	12	6	21.07	21.10	21.01	22.00
			12	13	21.03	20.99	21.00	22.00
			25	0	21.01	21.02	21.11	22.00
1			0	23.93	24.07	24.07	25.00	
1			25	24.04	24.10	23.95	25.00	
1			49	23.87	24.15	24.13	25.00	
16QAM		25	0	23.06	23.08	23.17	24.00	
		25	13	23.14	23.27	23.14	24.00	
		25	25	23.09	23.21	23.26	24.00	
		50	0	23.23	23.20	23.21	24.00	
		1	0	23.01	23.39	22.91	24.00	
		1	25	23.36	23.16	23.32	24.00	
64QAM	1	49	22.90	23.30	23.09	24.00		
	25	0	22.16	22.07	22.13	23.00		
	25	13	22.28	22.11	22.33	23.00		
	25	25	22.24	22.12	22.20	23.00		
	50	0	22.30	22.15	22.25	23.00		
	1	0	21.96	22.38	21.86	23.00		
64QAM	1	25	22.35	22.16	22.30	23.00		
	1	49	21.85	22.30	22.08	23.00		
	25	0	21.14	21.03	21.08	22.00		
	25	13	21.28	21.06	21.33	22.00		
	25	25	21.20	21.10	21.17	22.00		
	50	0	21.29	21.13	21.22	22.00		

Table 3 : Conducted Power of LTE

1.2 Conducted Power of Main Antenna (Ant3)

1.2.1 Conducted Power of GSM

GSM 1900										
		Burst Output Power(dBm)			Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		512	661	810			512	661	810	
GSM(GMSK)	GSM	30.61	30.60	30.63	31.00	-9.19	21.42	21.41	21.44	21.81
GPRS/EGPRS (GMSK)	1 TX Slot	30.60	30.58	30.60	31.00	-9.19	21.41	21.39	21.41	21.81
	2 TX Slots	26.90	26.85	26.83	28.00	-6.18	20.72	20.67	20.65	21.82
	3 TX Slots	24.75	24.71	24.74	26.20	-4.42	20.33	20.29	20.32	21.78
	4 TX Slots	23.67	23.61	23.64	25.00	-3.17	20.50	20.44	20.47	21.83
EGPRS(8PSK)	1 TX Slot	25.53	25.57	25.51	27.50	-9.19	16.34	16.38	16.32	18.31
	2 TX Slots	22.81	22.83	22.83	24.50	-6.18	16.63	16.65	16.65	18.32
	3 TX Slots	20.88	20.95	20.77	22.70	-4.42	16.46	16.53	16.35	18.28
	4 TX Slots	19.58	19.56	19.57	21.50	-3.17	16.41	16.39	16.40	18.33

Table 4 : Conducted Power of GSM



1.2.2 Conducted Power of WCDMA

WCDMA Band II Receiver on&Hotspot on					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	19.96	19.99	20.02	20.50
	12.2kbps AMR	19.96	19.98	20.01	20.50
HSDPA	Subtest 1	18.89	18.82	18.80	19.50
	Subtest 2	18.87	18.83	18.84	19.50
	Subtest 3	18.48	18.37	18.31	19.00
	Subtest 4	18.42	18.29	18.30	19.00
HSUPA	Subtest 1	19.01	18.82	18.78	19.50
	Subtest 2	16.94	16.76	16.74	17.50
	Subtest 3	17.98	17.85	17.76	18.50
	Subtest 4	16.98	16.72	16.74	17.50
	Subtest 5	18.95	18.82	18.76	19.50
DC-HSDPA	Subtest 1	18.98	18.86	18.83	19.50
	Subtest 2	18.98	18.78	18.77	19.50
	Subtest 3	18.40	18.32	18.28	19.00
	Subtest 4	18.47	18.26	18.31	19.00
HSPA+	16QAM	17.77	17.67	17.34	18.00

WCDMA Band II Receiver off&Hotspot off					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	22.94	23.09	23.13	24.00
	12.2kbps AMR	22.86	23.05	23.07	24.00
HSDPA	Subtest 1	21.90	21.83	21.82	23.00
	Subtest 2	21.86	21.82	21.83	23.00
	Subtest 3	21.50	21.37	21.36	22.50
	Subtest 4	21.42	21.25	21.27	22.50
HSUPA	Subtest 1	22.01	21.84	21.82	23.00
	Subtest 2	19.96	19.76	19.78	21.00
	Subtest 3	20.94	20.83	20.76	22.00
	Subtest 4	19.98	19.76	19.78	21.00
	Subtest 5	21.98	21.80	21.76	23.00
DC-HSDPA	Subtest 1	22.01	21.86	21.85	23.00
	Subtest 2	21.97	21.75	21.80	23.00
	Subtest 3	21.41	21.29	21.26	22.50
	Subtest 4	21.46	21.23	21.31	22.50
HSPA+	16QAM	20.46	20.32	20.25	21.50



WCDMA Band IV					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	23.53	23.43	23.52	24.50
	12.2kbps AMR	23.48	23.43	23.19	24.50
HSDPA	Subtest 1	22.42	21.86	21.85	23.50
	Subtest 2	21.87	21.86	21.82	23.50
	Subtest 3	21.49	21.36	21.31	23.00
	Subtest 4	21.42	21.26	21.25	23.00
HSUPA	Subtest 1	22.00	21.85	21.82	23.50
	Subtest 2	19.99	19.79	19.79	21.50
	Subtest 3	20.95	20.85	20.75	22.50
	Subtest 4	19.96	19.73	19.78	21.50
	Subtest 5	21.95	21.84	21.76	23.50
DC-HSDPA	Subtest 1	21.98	21.83	21.87	23.50
	Subtest 2	21.95	21.75	21.82	23.50
	Subtest 3	21.39	21.27	21.26	23.00
	Subtest 4	21.44	21.22	21.31	23.00
HSPA+	16QAM	20.34	20.45	20.28	22.00

Table 5 : Conducted Power of WCDMA

1.2.3 Conducted Power of LTE

LTE Band 2 Receiver on&Hotspot on				Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				18607	18900	19193		
1.4MHz	QPSK	1	0	19.10	19.58	19.56	20.50	
		1	2	19.06	19.48	19.61	20.50	
		1	5	19.03	19.56	19.61	20.50	
		3	0	19.01	19.44	19.58	20.50	
		3	2	19.04	19.48	19.63	20.50	
		3	3	19.06	19.39	19.55	20.50	
	16QAM	6	0	19.08	19.63	19.64	20.50	
		1	0	18.92	19.35	19.34	20.50	
		1	2	19.57	18.97	19.49	20.50	
		1	5	19.33	19.11	19.18	20.50	
		3	0	19.28	19.54	19.30	20.50	
		3	2	19.37	19.31	19.26	20.50	
	64QAM	3	3	19.43	19.47	19.54	20.50	
		6	0	19.34	19.32	19.61	20.50	
		1	0	19.24	19.34	19.20	20.50	
		1	2	19.30	19.08	19.32	20.50	
		1	5	19.31	19.43	19.31	20.50	
		3	0	18.79	18.51	18.72	20.50	
	3MHz	QPSK	3	2	18.76	18.71	18.95	20.50
			3	3	18.73	19.43	18.90	20.50
			6	0	18.18	18.67	18.85	19.50
1			0	19.04	19.55	19.59	20.50	
1			7	19.28	19.58	19.57	20.50	
1			14	19.03	19.53	19.55	20.50	
16QAM		8	0	19.01	19.51	19.59	20.50	
		8	4	19.16	19.57	19.56	20.50	
		8	7	19.11	19.55	19.59	20.50	
		15	0	19.11	19.54	19.59	20.50	
		1	0	18.89	19.36	19.30	20.50	
		1	7	19.57	19.00	19.46	20.50	
64QAM		1	14	19.37	19.10	19.23	20.50	
		8	0	19.26	19.59	19.29	20.50	
		8	4	19.41	19.31	19.29	20.50	
	8	7	19.40	19.51	19.55	20.50		
	15	0	19.33	19.36	19.61	20.50		
	1	0	19.25	19.35	19.17	20.50		
64QAM	1	7	19.26	19.11	19.28	20.50		
	1	14	19.32	19.44	19.31	20.50		
	8	0	18.11	18.51	18.74	19.50		
	8	4	18.05	18.74	18.95	19.50		
	8	7	18.05	18.47	18.89	19.50		
	15	0	18.19	18.67	18.85	19.50		



Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				18625	18900	19175		
5MHz	QPSK	1	0	19.08	19.53	19.61	20.50	
		1	13	19.23	19.54	19.51	20.50	
		1	24	19.19	19.64	19.45	20.50	
		12	0	19.06	19.48	19.50	20.50	
		12	6	19.05	19.44	19.59	20.50	
		12	13	19.26	19.53	19.61	20.50	
	16QAM	25	0	19.22	19.61	19.52	20.50	
		1	0	18.91	19.32	19.31	20.50	
		1	13	19.54	18.97	19.47	20.50	
		1	24	19.33	19.11	19.18	20.50	
		12	0	19.23	19.57	19.31	20.50	
		12	6	19.39	19.32	19.29	20.50	
	64QAM	12	13	19.41	19.52	19.54	20.50	
		25	0	19.34	19.36	19.58	20.50	
		1	0	19.27	19.35	19.21	20.50	
		1	13	19.31	19.10	19.32	20.50	
		1	24	19.32	19.45	19.27	20.50	
		12	0	18.13	18.50	18.72	19.50	
	10MHz	QPSK	12	6	18.08	18.70	18.93	19.50
			12	13	18.06	18.43	18.91	19.50
			25	0	18.15	18.69	18.87	19.50
1			0	19.16	19.65	19.50	20.50	
1			25	19.13	19.49	19.64	20.50	
1			49	19.04	19.60	19.64	20.50	
16QAM		25	0	19.23	19.44	19.63	20.50	
		25	13	19.12	19.62	19.56	20.50	
		25	25	19.01	19.54	19.63	20.50	
		50	0	19.06	19.61	19.58	20.50	
		1	0	18.89	19.34	19.30	20.50	
		1	25	19.53	18.99	19.49	20.50	
64QAM		1	49	19.37	19.13	19.22	20.50	
		25	0	19.24	19.57	19.30	20.50	
		25	13	19.41	19.27	19.29	20.50	
		25	25	19.38	19.52	19.53	20.50	
		50	0	19.31	19.33	19.61	20.50	
		1	0	19.24	19.37	19.18	20.50	
16QAM		1	25	19.28	19.12	19.32	20.50	
		1	49	19.30	19.47	19.29	20.50	
		25	0	18.13	18.52	18.74	19.50	
	25	13	18.07	18.75	18.96	19.50		
	25	25	18.06	18.45	18.87	19.50		
	50	0	18.17	18.70	18.87	19.50		



Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	18.93	19.45	19.50	20.50
		1	38	19.02	19.35	19.59	20.50
		1	74	19.24	19.60	19.63	20.50
		36	0	19.09	19.51	19.57	20.50
		36	18	19.16	19.62	19.59	20.50
		36	39	19.02	19.50	19.57	20.50
		75	0	19.16	19.65	19.53	20.50
	16QAM	1	0	18.92	19.34	19.31	20.50
		1	38	19.53	19.00	19.47	20.50
		1	74	19.35	19.10	19.18	20.50
		36	0	19.26	19.56	19.32	20.50
		36	18	19.42	19.29	19.26	20.50
		36	39	19.42	19.49	19.54	20.50
		75	0	19.33	19.31	19.56	20.50
	64QAM	1	0	19.25	19.33	19.22	20.50
		1	38	19.31	19.08	19.32	20.50
		1	74	19.31	19.43	19.29	20.50
		36	0	18.11	18.52	18.72	19.50
		36	18	18.09	18.72	18.93	19.50
		36	39	18.05	18.48	18.88	19.50
		75	0	18.17	18.69	18.85	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	19.01	19.35	19.66	20.50
		1	50	19.37	19.27	19.54	20.50
		1	99	19.20	19.46	19.54	20.50
		50	0	19.21	19.40	19.58	20.50
		50	25	19.27	19.64	19.63	20.50
		50	50	19.26	19.59	19.53	20.50
		100	0	19.13	19.41	19.57	20.50
	16QAM	1	0	18.93	19.37	19.35	20.50
		1	50	19.58	19.02	19.51	20.50
		1	99	19.37	19.13	19.23	20.50
		50	0	19.28	19.59	19.33	20.50
		50	25	19.42	19.32	19.31	20.50
		50	50	19.43	19.52	19.57	20.50
		100	0	19.36	19.36	19.61	20.50
	64QAM	1	0	19.28	19.37	19.22	20.50
		1	50	19.31	19.12	19.33	20.50
		1	99	19.35	19.47	19.32	20.50
		50	0	18.14	18.54	18.74	19.50
		50	25	18.09	18.75	18.97	19.50
		50	50	18.08	18.48	18.91	19.50
		100	0	18.20	18.70	18.88	19.50



LTE Band 2 Receiver off&Hotspot off				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	21.05	21.34	21.49	22.50
		1	2	21.12	21.45	21.75	22.50
		1	5	20.92	21.38	21.53	22.50
		3	0	21.02	21.35	21.58	22.50
		3	2	21.05	21.42	21.72	22.50
		3	3	20.88	21.44	21.62	22.50
		6	0	19.99	20.46	20.59	21.50
	16QAM	1	0	20.30	21.13	20.77	21.50
		1	2	20.36	20.87	20.98	21.50
		1	5	20.42	20.51	20.78	21.50
		3	0	20.08	20.59	20.79	21.50
		3	2	20.21	20.61	20.77	21.50
		3	3	20.09	20.62	20.68	21.50
		6	0	19.05	19.50	19.77	20.50
	64QAM	1	0	19.28	20.09	19.77	20.50
		1	2	19.36	19.84	19.96	20.50
		1	5	19.38	19.48	19.73	20.50
		3	0	19.06	19.57	19.77	20.50
		3	2	19.18	19.56	19.74	20.50
		3	3	19.09	19.57	19.67	20.50
		6	0	18.04	18.50	18.76	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	21.05	21.43	21.61	22.50
		1	7	21.17	21.42	21.75	22.50
		1	14	20.98	21.37	21.60	22.50
		8	0	20.00	20.36	20.66	21.50
		8	4	20.16	20.52	20.70	21.50
		8	7	19.91	20.43	20.56	21.50
		15	0	20.05	20.52	20.67	21.50
	16QAM	1	0	20.37	21.10	20.83	21.50
		1	7	20.40	20.79	20.95	21.50
		1	14	20.51	20.48	20.81	21.50
		8	0	19.08	19.59	19.78	20.50
		8	4	19.30	19.65	19.81	20.50
		8	7	19.12	19.68	19.75	20.50
		15	0	19.09	19.53	19.84	20.50
	64QAM	1	0	19.36	20.08	19.80	20.50
		1	7	19.37	19.76	19.91	20.50
		1	14	19.48	19.44	19.76	20.50
		8	0	18.05	18.58	18.74	19.50
		8	4	18.30	18.61	18.81	19.50
		8	7	18.11	18.67	18.73	19.50
		15	0	18.06	18.49	18.81	19.50



Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				18625	18900	19175		
5MHz	QPSK	1	0	20.96	21.60	21.71	22.50	
		1	13	21.18	21.66	21.81	22.50	
		1	24	21.04	21.53	21.63	22.50	
		12	0	20.06	20.50	20.70	21.50	
		12	6	20.05	20.63	20.69	21.50	
		12	13	20.09	20.60	20.76	21.50	
	16QAM	25	0	20.10	20.52	20.73	21.50	
		1	0	20.26	20.73	21.23	21.50	
		1	13	20.63	20.83	21.21	21.50	
		1	24	20.43	20.55	21.17	21.50	
		12	0	19.24	19.84	19.81	20.50	
		12	6	19.32	19.74	19.95	20.50	
	64QAM	12	13	19.28	19.77	19.90	20.50	
		25	0	19.17	19.74	19.82	20.50	
		1	0	19.35	20.07	19.83	20.50	
		1	13	19.40	19.79	19.91	20.50	
		1	24	19.47	19.46	19.76	20.50	
		12	0	18.04	18.58	18.74	19.50	
	10MHz	QPSK	12	6	18.27	18.64	18.76	19.50
			12	13	18.10	18.65	18.72	19.50
			25	0	18.09	18.53	18.79	19.50
1			0	21.12	21.57	21.66	22.50	
1			25	21.30	21.77	21.87	22.50	
1			49	21.24	21.68	21.72	22.50	
16QAM		25	0	20.16	20.52	20.73	21.50	
		25	13	20.07	20.61	20.81	21.50	
		25	25	20.25	20.62	20.70	21.50	
		50	0	20.18	20.58	20.79	21.50	
		1	0	20.72	20.55	21.09	21.50	
		1	25	20.65	20.86	21.03	21.50	
64QAM		1	49	20.73	21.24	21.24	21.50	
		25	0	19.19	19.73	19.83	20.50	
		25	13	19.30	19.65	19.89	20.50	
		25	25	19.27	19.69	19.95	20.50	
		50	0	19.35	19.72	19.93	20.50	
		1	0	19.35	20.07	19.80	20.50	
64QAM		1	25	19.36	19.79	19.91	20.50	
		1	49	19.51	19.45	19.81	20.50	
		25	0	18.05	18.58	18.76	19.50	
	25	13	18.27	18.61	18.78	19.50		
	25	25	18.08	18.64	18.75	19.50		
	50	0	18.08	18.50	18.81	19.50		



Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	21.04	21.71	21.91	22.50
		1	38	21.05	21.61	21.78	22.50
		1	74	21.11	21.74	21.71	22.50
		36	0	20.17	20.55	20.73	21.50
		36	18	20.24	20.64	20.81	21.50
		36	39	20.03	20.64	20.72	21.50
		75	0	20.17	20.65	20.73	21.50
	16QAM	1	0	20.67	21.30	21.48	21.50
		1	38	20.71	21.05	20.79	21.50
		1	74	20.85	21.33	20.96	21.50
		36	0	19.31	19.75	20.04	20.50
		36	18	19.45	19.87	19.89	20.50
		36	39	19.33	19.93	19.86	20.50
		75	0	19.25	19.86	19.92	20.50
	64QAM	1	0	19.32	20.05	19.79	20.50
		1	38	19.36	19.77	19.94	20.50
		1	74	19.49	19.45	19.81	20.50
		36	0	18.06	18.59	18.78	19.50
		36	18	18.27	18.64	18.76	19.50
		36	39	18.12	18.68	18.73	19.50
		75	0	18.07	18.49	18.81	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	21.08	21.54	21.94	22.50
		1	50	21.29	21.61	21.80	22.50
		1	99	21.18	21.65	21.71	22.50
		50	0	20.30	20.71	20.85	21.50
		50	25	20.38	20.78	20.88	21.50
		50	50	20.31	20.77	20.87	21.50
		100	0	20.19	20.83	20.89	21.50
	16QAM	1	0	20.60	21.15	21.05	21.50
		1	50	20.66	21.38	21.48	21.50
		1	99	21.03	21.02	20.84	21.50
		50	0	19.34	19.76	19.94	20.50
		50	25	19.45	19.93	20.07	20.50
		50	50	19.32	19.94	19.91	20.50
		100	0	19.45	19.73	20.04	20.50
	64QAM	1	0	19.34	20.07	19.80	20.50
		1	50	19.38	19.79	19.90	20.50
		1	99	19.48	19.48	19.81	20.50
		50	0	18.04	18.59	18.77	19.50
		50	25	18.25	18.61	18.79	19.50
		50	50	18.07	18.68	18.74	19.50
		100	0	18.07	18.53	18.82	19.50



LTE Band 4				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	23.72	23.83	23.34	25.00
		1	2	23.71	23.81	23.44	25.00
		1	5	23.70	23.78	23.29	25.00
		3	0	23.75	23.77	23.33	25.00
		3	2	23.81	23.85	23.48	25.00
		3	3	23.82	23.63	23.42	25.00
		6	0	22.79	22.88	22.48	24.00
	16QAM	1	0	22.57	23.06	22.51	24.00
		1	2	23.00	22.91	22.22	24.00
		1	5	22.86	23.09	22.66	24.00
		3	0	22.85	22.76	22.25	24.00
		3	2	22.18	22.65	22.48	24.00
		3	3	22.41	22.86	22.28	24.00
		6	0	21.99	21.93	21.59	23.00
	64QAM	1	0	21.53	22.01	21.51	23.00
		1	2	21.96	21.88	21.19	23.00
		1	5	21.85	22.08	21.66	23.00
		3	0	21.81	21.74	21.21	23.00
		3	2	21.14	21.65	21.45	23.00
		3	3	21.39	21.81	21.24	23.00
		6	0	20.96	20.90	20.55	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
3MHz	QPSK	1	0	23.63	23.68	23.36	25.00
		1	7	23.78	23.83	23.50	25.00
		1	14	23.62	23.75	23.35	25.00
		8	0	22.91	22.73	22.40	24.00
		8	4	22.79	22.88	22.39	24.00
		8	7	22.74	22.75	22.57	24.00
		15	0	22.90	23.00	22.33	24.00
	16QAM	1	0	22.66	22.86	22.47	24.00
		1	7	23.00	22.99	22.71	24.00
		1	14	22.61	22.96	22.50	24.00
		8	0	21.92	21.79	21.44	23.00
		8	4	21.82	21.91	21.50	23.00
		8	7	21.98	21.91	21.46	23.00
		15	0	21.82	21.81	21.44	23.00
	64QAM	1	0	21.64	21.81	21.45	23.00
		1	7	21.97	21.98	21.71	23.00
		1	14	21.56	21.93	21.49	23.00
		8	0	20.90	20.76	20.42	22.00
		8	4	20.78	20.86	20.47	22.00
		8	7	20.96	20.86	20.41	22.00
		15	0	20.78	20.80	20.41	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
3MHz	QPSK	1	0	23.63	23.68	23.36	25.00
		1	7	23.78	23.83	23.50	25.00
		1	14	23.62	23.75	23.35	25.00
		8	0	22.91	22.73	22.40	24.00
		8	4	22.79	22.88	22.39	24.00
		8	7	22.74	22.75	22.57	24.00
		15	0	22.90	23.00	22.33	24.00
	16QAM	1	0	22.66	22.86	22.47	24.00
		1	7	23.00	22.99	22.71	24.00
		1	14	22.61	22.96	22.50	24.00
		8	0	21.92	21.79	21.44	23.00
		8	4	21.82	21.91	21.50	23.00
		8	7	21.98	21.91	21.46	23.00
		15	0	21.82	21.81	21.44	23.00
	64QAM	1	0	21.64	21.81	21.45	23.00
		1	7	21.97	21.98	21.71	23.00
		1	14	21.56	21.93	21.49	23.00
		8	0	20.90	20.76	20.42	22.00
		8	4	20.78	20.86	20.47	22.00
		8	7	20.96	20.86	20.41	22.00
		15	0	20.78	20.80	20.41	22.00



Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	23.71	23.66	23.51	25.00
		1	13	23.86	23.79	23.37	25.00
		1	24	23.61	23.62	23.23	25.00
		12	0	22.73	22.97	22.43	24.00
		12	6	22.76	22.73	22.45	24.00
		12	13	22.73	22.87	22.16	24.00
		25	0	22.71	22.94	22.37	24.00
	16QAM	1	0	22.87	22.65	22.82	24.00
		1	13	22.49	22.87	22.75	24.00
		1	24	22.50	22.66	22.24	24.00
		12	0	21.95	21.75	21.34	23.00
		12	6	21.70	21.85	21.30	23.00
		12	13	21.67	21.74	21.26	23.00
		25	0	21.88	21.88	21.30	23.00
	64QAM	1	0	21.64	21.84	21.47	23.00
		1	13	21.98	21.99	21.68	23.00
		1	24	21.60	21.93	21.46	23.00
		12	0	20.90	20.76	20.40	22.00
		12	6	20.79	20.91	20.46	22.00
		12	13	20.95	20.86	20.44	22.00
		25	0	20.78	20.79	20.41	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	23.69	23.82	23.52	25.00
		1	25	23.70	23.60	23.45	25.00
		1	49	23.56	23.65	23.42	25.00
		25	0	22.80	22.87	22.58	24.00
		25	13	22.79	22.75	22.53	24.00
		25	25	22.67	22.88	22.30	24.00
		50	0	22.66	22.83	22.46	24.00
	16QAM	1	0	22.40	23.12	22.88	24.00
		1	25	22.19	22.62	22.11	24.00
		1	49	22.73	22.83	22.56	24.00
		25	0	21.93	21.80	21.46	23.00
		25	13	21.77	21.86	21.43	23.00
		25	25	21.66	21.73	21.45	23.00
		50	0	21.93	21.91	21.59	23.00
	64QAM	1	0	21.64	21.86	21.44	23.00
		1	25	21.97	21.96	21.69	23.00
		1	49	21.59	21.92	21.50	23.00
		25	0	20.89	20.77	20.39	22.00
		25	13	20.82	20.87	20.45	22.00
		25	25	20.94	20.87	20.45	22.00
		50	0	20.82	20.76	20.41	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	20.00	20175	20350	Tune up
		1	25	20.00	20175	20350	Tune up
		1	49	20.00	20175	20350	Tune up
		25	0	20.00	20175	20350	Tune up
		25	13	20.00	20175	20350	Tune up
		25	25	20.00	20175	20350	Tune up
		50	0	20.00	20175	20350	Tune up
	16QAM	1	0	20.00	20175	20350	Tune up
		1	25	20.00	20175	20350	Tune up
		1	49	20.00	20175	20350	Tune up
		25	0	20.00	20175	20350	Tune up
		25	13	20.00	20175	20350	Tune up
		25	25	20.00	20175	20350	Tune up
		50	0	20.00	20175	20350	Tune up
	64QAM	1	0	20.00	20175	20350	Tune up
		1	25	20.00	20175	20350	Tune up
		1	49	20.00	20175	20350	Tune up
		25	0	20.00	20175	20350	Tune up
		25	13	20.00	20175	20350	Tune up
		25	25	20.00	20175	20350	Tune up
		50	0	20.00	20175	20350	Tune up



Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	23.75	23.79	23.64	25.00
		1	38	23.65	23.77	23.58	25.00
		1	74	23.50	23.56	23.37	25.00
		36	0	22.88	22.75	22.53	24.00
		36	18	22.66	22.80	22.48	24.00
		36	39	22.61	22.67	22.34	24.00
		75	0	22.66	22.82	22.42	24.00
	16QAM	1	0	22.85	23.04	22.82	24.00
		1	38	22.85	22.53	22.83	24.00
		1	74	22.59	22.19	22.66	24.00
		36	0	21.80	21.70	21.65	23.00
		36	18	21.78	21.75	21.44	23.00
		36	39	21.66	21.61	21.47	23.00
		75	0	21.69	21.73	21.46	23.00
	64QAM	1	0	21.66	21.82	21.44	23.00
		1	38	21.97	21.95	21.69	23.00
		1	74	21.61	21.96	21.49	23.00
		36	0	20.89	20.79	20.42	22.00
		36	18	20.82	20.86	20.48	22.00
		36	39	20.96	20.87	20.41	22.00
		75	0	20.80	20.81	20.40	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	QPSK	1	0	23.88	23.76	23.35	25.00
		1	50	23.65	23.60	23.30	25.00
		1	99	23.45	23.58	23.25	25.00
		50	0	22.65	22.86	22.33	24.00
		50	25	22.67	22.87	22.39	24.00
		50	50	22.45	22.65	22.27	24.00
		100	0	22.55	22.68	22.32	24.00
	16QAM	1	0	22.83	23.19	22.54	24.00
		1	50	22.58	22.68	22.28	24.00
		1	99	22.39	22.24	22.33	24.00
		50	0	21.77	21.84	21.56	23.00
		50	25	21.67	21.76	21.43	23.00
		50	50	21.49	21.76	21.39	23.00
		100	0	21.49	21.77	21.50	23.00
	64QAM	1	0	21.61	21.81	21.42	23.00
		1	50	21.99	21.97	21.69	23.00
		1	99	21.61	21.96	21.48	23.00
		50	0	20.89	20.75	20.41	22.00
		50	25	20.81	20.87	20.49	22.00
		50	50	20.96	20.88	20.41	22.00
		100	0	20.77	20.79	20.44	22.00



LTE Band 7 Receiver on&Hotspot on				Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				20775	21100	21425		
5MHz	QPSK	1	0	17.40	17.29	16.74	18.00	
		1	13	17.39	17.39	16.87	18.00	
		1	24	17.41	17.27	16.72	18.00	
		12	0	17.34	17.46	16.81	18.00	
		12	6	17.39	17.36	16.79	18.00	
		12	13	17.50	17.29	16.67	18.00	
	16QAM	25	0	17.38	17.36	16.73	18.00	
		1	0	17.13	17.50	16.69	18.00	
		1	13	17.48	17.47	16.58	18.00	
		1	24	17.48	17.16	17.08	18.00	
		12	0	17.38	17.21	16.71	18.00	
		12	6	17.41	17.20	16.66	18.00	
	64QAM	12	13	17.44	17.20	16.59	18.00	
		25	0	17.21	17.18	16.65	18.00	
		1	0	17.08	17.49	16.67	18.00	
		1	13	17.49	17.50	16.56	18.00	
		1	24	17.44	17.16	17.04	18.00	
		12	0	16.36	16.18	15.68	17.00	
	10MHz	QPSK	12	6	16.40	16.19	15.66	17.00
			12	13	16.40	16.16	15.59	17.00
			25	0	16.16	16.15	15.65	17.00
1			0	17.13	17.31	16.88	18.00	
1			25	17.36	17.48	16.81	18.00	
1			49	17.33	17.31	16.74	18.00	
16QAM		25	0	17.30	17.35	16.82	18.00	
		25	13	17.38	17.37	16.85	18.00	
		25	25	17.42	17.33	16.72	18.00	
		50	0	17.48	17.36	16.87	18.00	
		1	0	17.26	17.47	17.17	18.00	
		1	25	17.50	17.15	17.28	18.00	
64QAM		1	49	17.39	17.20	16.89	18.00	
		25	0	17.18	17.22	16.76	18.00	
		25	13	17.33	17.32	16.71	18.00	
	25	25	17.19	17.08	16.71	18.00		
	50	0	17.30	17.09	16.75	18.00		
	1	0	17.12	17.47	16.69	18.00		
64QAM	1	25	17.48	17.50	16.57	18.00		
	1	49	17.47	17.16	17.07	18.00		
	25	0	16.35	16.21	15.70	17.00		
	25	13	16.40	16.18	15.66	17.00		
	25	25	16.39	16.17	15.56	17.00		
	50	0	16.21	16.14	15.64	17.00		



Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	17.35	17.27	17.07	18.00
		1	38	17.34	17.40	16.91	18.00
		1	74	17.33	17.41	16.83	18.00
		36	0	17.40	17.29	16.84	18.00
		36	18	17.39	17.39	16.80	18.00
		36	39	17.48	17.32	16.84	18.00
		75	0	17.45	17.35	16.84	18.00
	16QAM	1	0	17.46	17.50	17.34	18.00
		1	38	17.49	17.34	17.10	18.00
		1	74	17.50	17.33	17.23	18.00
		36	0	17.12	17.16	16.82	18.00
		36	18	17.19	17.08	16.80	18.00
		36	39	17.34	17.18	16.67	18.00
		75	0	17.18	17.08	16.68	18.00
	64QAM	1	0	17.09	17.47	16.66	18.00
		1	38	17.44	17.47	16.53	18.00
		1	74	17.49	17.12	17.05	18.00
		36	0	16.36	16.21	15.66	17.00
		36	18	16.37	16.16	15.66	17.00
		36	39	16.41	16.15	15.57	17.00
		75	0	16.21	16.17	15.65	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	QPSK	1	0	17.51	17.51	16.99	18.00
		1	50	16.98	17.11	16.82	18.00
		1	99	17.17	17.24	16.68	18.00
		50	0	17.31	17.29	16.85	18.00
		50	25	17.38	17.13	16.82	18.00
		50	50	17.33	17.19	16.73	18.00
		100	0	17.35	17.26	16.80	18.00
	16QAM	1	0	17.27	17.17	17.07	18.00
		1	50	17.25	16.99	17.19	18.00
		1	99	16.51	17.34	16.78	18.00
		50	0	17.20	17.09	16.64	18.00
		50	25	17.12	17.01	16.61	18.00
		50	50	17.26	16.97	16.56	18.00
		100	0	17.25	17.06	16.42	18.00
	64QAM	1	0	17.09	17.47	16.64	18.00
		1	50	17.42	17.50	16.55	18.00
		1	99	17.47	17.16	17.06	18.00
		50	0	16.34	16.16	15.71	17.00
		50	25	16.41	16.15	15.61	17.00
		50	50	16.42	16.17	15.54	17.00
		100	0	16.21	16.14	15.63	17.00



LTE Band 7 Receiver off&Hotspot off				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	19.12	19.29	18.73	20.00
		1	13	19.17	19.33	18.76	20.00
		1	24	19.07	19.19	18.84	20.00
		12	0	18.26	18.17	17.71	19.00
		12	6	18.31	18.21	17.73	19.00
		12	13	18.26	18.23	17.68	19.00
		25	0	18.28	18.23	17.71	19.00
	16QAM	1	0	18.35	18.70	18.00	19.00
		1	13	18.38	18.45	18.40	19.00
		1	24	18.25	18.94	17.80	19.00
		12	0	17.43	17.38	16.86	18.00
		12	6	17.44	17.40	16.96	18.00
		12	13	17.48	17.36	16.84	18.00
		25	0	17.45	17.32	16.84	18.00
	64QAM	1	0	17.34	17.67	16.96	18.00
		1	13	17.33	17.42	17.40	18.00
		1	24	17.23	17.90	16.75	18.00
		12	0	16.38	16.33	15.83	17.00
		12	6	16.40	16.37	15.93	17.00
		12	13	16.47	16.34	15.83	17.00
		25	0	16.40	16.30	15.84	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	19.11	19.32	18.72	20.00
		1	25	19.13	19.36	18.74	20.00
		1	49	19.09	19.23	18.76	20.00
		25	0	18.31	18.24	17.70	19.00
		25	13	18.36	18.23	17.74	19.00
		25	25	18.32	18.31	17.70	19.00
		50	0	18.33	18.30	17.74	19.00
	16QAM	1	0	18.34	18.70	17.94	19.00
		1	25	18.37	18.56	18.41	19.00
		1	49	18.34	18.97	17.88	19.00
		25	0	17.43	17.48	16.90	18.00
		25	13	17.49	17.35	17.01	18.00
		25	25	17.50	17.34	16.90	18.00
		50	0	17.49	17.33	16.86	18.00
	64QAM	1	0	17.34	17.66	16.99	18.00
		1	25	17.37	17.43	17.40	18.00
		1	49	17.23	17.91	16.80	18.00
		25	0	16.38	16.35	15.81	17.00
		25	13	16.43	16.36	15.93	17.00
		25	25	16.45	16.33	15.81	17.00
		50	0	16.41	16.32	15.79	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	19.11	19.32	18.72	20.00
		1	25	19.13	19.36	18.74	20.00
		1	49	19.09	19.23	18.76	20.00
		25	0	18.31	18.24	17.70	19.00
		25	13	18.36	18.23	17.74	19.00
		25	25	18.32	18.31	17.70	19.00
		50	0	18.33	18.30	17.74	19.00
	16QAM	1	0	18.34	18.70	17.94	19.00
		1	25	18.37	18.56	18.41	19.00
		1	49	18.34	18.97	17.88	19.00
		25	0	17.43	17.48	16.90	18.00
		25	13	17.49	17.35	17.01	18.00
		25	25	17.50	17.34	16.90	18.00
		50	0	17.49	17.33	16.86	18.00
	64QAM	1	0	17.34	17.66	16.99	18.00
		1	25	17.37	17.43	17.40	18.00
		1	49	17.23	17.91	16.80	18.00
		25	0	16.38	16.35	15.81	17.00
		25	13	16.43	16.36	15.93	17.00
		25	25	16.45	16.33	15.81	17.00
		50	0	16.41	16.32	15.79	17.00



Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	19.23	19.39	18.96	20.00
		1	38	19.27	19.38	18.78	20.00
		1	74	19.23	19.31	18.78	20.00
		36	0	18.37	18.34	17.80	19.00
		36	18	18.41	18.41	17.94	19.00
		36	39	18.36	18.25	17.88	19.00
		75	0	18.36	18.30	17.94	19.00
	16QAM	1	0	18.44	18.93	18.20	19.00
		1	38	18.79	18.38	18.06	19.00
		1	74	18.61	18.53	18.43	19.00
		36	0	17.33	17.50	17.14	18.00
		36	18	17.58	17.48	17.01	18.00
		36	39	17.51	17.40	16.92	18.00
		75	0	17.53	17.40	17.01	18.00
	64QAM	1	0	17.31	17.67	16.95	18.00
		1	38	17.34	17.40	17.39	18.00
		1	74	17.23	17.93	16.76	18.00
		36	0	16.43	16.37	15.86	17.00
		36	18	16.43	16.37	15.95	17.00
		36	39	16.44	16.34	15.81	17.00
		75	0	16.42	16.30	15.82	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	QPSK	1	0	19.36	19.64	19.09	20.00
		1	50	19.66	19.66	19.10	20.00
		1	99	19.46	19.60	19.00	20.00
		50	0	18.42	18.50	18.01	19.00
		50	25	18.52	18.50	18.00	19.00
		50	50	18.51	18.43	17.96	19.00
		100	0	18.53	18.53	17.86	19.00
	16QAM	1	0	18.70	18.95	18.30	19.00
		1	50	18.93	18.98	18.32	19.00
		1	99	18.74	18.54	18.22	19.00
		50	0	17.60	17.58	17.06	18.00
		50	25	17.62	17.64	17.03	18.00
		50	50	17.76	17.59	17.06	18.00
		100	0	17.75	17.61	16.99	18.00
	64QAM	1	0	17.33	17.67	16.95	18.00
		1	50	17.37	17.44	17.37	18.00
		1	99	17.22	17.89	16.75	18.00
		50	0	16.40	16.35	15.83	17.00
		50	25	16.41	16.35	15.95	17.00
		50	50	16.43	16.36	15.79	17.00
		100	0	16.41	16.27	15.82	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	QPSK	1	0	19.36	19.64	19.09	20.00
		1	50	19.66	19.66	19.10	20.00
		1	99	19.46	19.60	19.00	20.00
		50	0	18.42	18.50	18.01	19.00
		50	25	18.52	18.50	18.00	19.00
		50	50	18.51	18.43	17.96	19.00
		100	0	18.53	18.53	17.86	19.00
	16QAM	1	0	18.70	18.95	18.30	19.00
		1	50	18.93	18.98	18.32	19.00
		1	99	18.74	18.54	18.22	19.00
		50	0	17.60	17.58	17.06	18.00
		50	25	17.62	17.64	17.03	18.00
		50	50	17.76	17.59	17.06	18.00
		100	0	17.75	17.61	16.99	18.00
	64QAM	1	0	17.33	17.67	16.95	18.00
		1	50	17.37	17.44	17.37	18.00
		1	99	17.22	17.89	16.75	18.00
		50	0	16.40	16.35	15.83	17.00
		50	25	16.41	16.35	15.95	17.00
		50	50	16.43	16.36	15.79	17.00
		100	0	16.41	16.27	15.82	17.00



LTE Band 66 Receiver on&Hotspot on				Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				131979	132322	132665		
1.4MHz	QPSK	1	0	21.62	21.72	21.51	23.00	
		1	2	21.67	21.64	21.55	23.00	
		1	5	21.57	21.71	21.49	23.00	
		3	0	21.61	21.79	21.53	23.00	
		3	1	21.72	21.76	21.66	23.00	
		3	3	21.70	21.61	21.57	23.00	
	16QAM	6	0	21.71	21.75	21.54	23.00	
		1	0	21.55	21.78	21.58	23.00	
		1	2	21.77	21.72	21.27	23.00	
		1	5	21.66	21.76	21.66	23.00	
		3	0	21.69	21.69	21.33	23.00	
		3	1	21.06	21.52	21.49	23.00	
	64QAM	3	3	21.31	21.80	21.47	23.00	
		6	0	21.70	21.73	21.76	23.00	
		1	0	21.55	21.75	21.57	23.00	
		1	2	21.76	21.70	21.25	23.00	
		1	5	21.63	21.79	21.62	23.00	
		3	0	21.68	21.65	21.32	23.00	
	3MHz	QPSK	3	1	21.01	21.51	21.46	23.00
			3	3	21.26	21.76	21.42	23.00
			6	0	20.92	20.87	20.72	22.00
1			0	21.50	21.74	21.56	23.00	
1			7	21.69	21.76	21.70	23.00	
1			14	21.58	21.58	21.52	23.00	
16QAM		8	0	21.75	21.77	21.43	23.00	
		8	4	21.70	21.77	21.38	23.00	
		8	7	21.71	21.80	21.55	23.00	
	15	0	21.76	21.77	21.48	23.00		
	1	0	21.64	21.78	21.46	23.00		
	1	7	21.80	21.75	21.70	23.00		
64QAM	1	14	21.45	21.79	21.52	23.00		
	8	0	21.76	21.68	21.53	23.00		
	8	4	21.73	21.71	21.65	23.00		
	8	7	21.73	21.73	21.51	23.00		
	15	0	21.76	21.73	21.47	23.00		
	1	0	21.53	21.74	21.53	23.00		
	1	7	21.76	21.69	21.27	23.00		
3MHz	64QAM	1	14	21.63	21.80	21.65	23.00	
		8	0	20.65	20.65	20.33	22.00	
		8	4	20.03	20.48	20.47	22.00	
		8	7	20.29	20.79	20.42	22.00	
		15	0	20.89	20.90	20.71	22.00	
		15	0	20.89	20.90	20.71	22.00	



Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131997	132322	132647	
5MHz	QPSK	1	0	21.65	21.49	21.60	23.00
		1	13	21.69	21.71	21.55	23.00
		1	24	21.57	21.47	21.20	23.00
		12	0	21.71	21.80	21.55	23.00
		12	6	21.56	21.61	21.54	23.00
		12	13	21.69	21.79	21.31	23.00
		25	0	21.46	21.79	21.41	23.00
	16QAM	1	0	21.79	21.55	21.76	23.00
		1	13	21.33	21.74	21.75	23.00
		1	24	21.40	21.58	21.22	23.00
		12	0	21.80	21.73	21.40	23.00
		12	6	21.75	21.76	21.36	23.00
		12	13	21.56	21.60	21.34	23.00
		25	0	21.65	21.73	21.50	23.00
	64QAM	1	0	21.55	21.77	21.54	23.00
		1	13	21.76	21.70	21.27	23.00
		1	24	21.66	21.77	21.63	23.00
		12	0	20.69	20.67	20.28	22.00
		12	6	20.04	20.47	20.44	22.00
		12	13	20.28	20.80	20.47	22.00
		25	0	20.90	20.90	20.72	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132022	132322	132622	
10MHz	QPSK	1	0	21.72	21.78	21.54	23.00
		1	25	21.47	21.49	21.55	23.00
		1	49	21.46	21.52	21.55	23.00
		25	0	21.71	21.72	21.68	23.00
		25	13	21.60	21.59	21.60	23.00
		25	25	21.50	21.79	21.39	23.00
		50	0	21.56	21.76	21.50	23.00
	16QAM	1	0	21.38	21.79	21.04	23.00
		1	25	21.16	21.55	21.21	23.00
		1	49	21.71	21.67	21.75	23.00
		25	0	21.75	21.65	21.62	23.00
		25	13	21.71	21.75	21.55	23.00
		25	25	21.53	21.68	21.53	23.00
		50	0	21.80	21.77	21.57	23.00
	64QAM	1	0	21.52	21.79	21.57	23.00
		1	25	21.77	21.67	21.24	23.00
		1	49	21.62	21.76	21.63	23.00
		25	0	20.65	20.65	20.31	22.00
		25	13	20.01	20.52	20.49	22.00
		25	25	20.29	20.79	20.43	22.00
		50	0	20.88	20.89	20.72	22.00



Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132047	132322	132597	
15MHz	QPSK	1	0	21.68	21.70	21.72	23.00
		1	38	21.46	21.73	21.54	23.00
		1	74	21.45	21.43	21.64	23.00
		36	0	21.78	21.69	21.59	23.00
		36	18	21.68	21.78	21.41	23.00
		36	39	21.51	21.62	21.40	23.00
		75	0	21.59	21.66	21.79	23.00
	16QAM	1	0	21.76	21.80	21.81	23.00
		1	38	21.77	21.40	21.66	23.00
		1	74	21.55	21.52	21.72	23.00
		36	0	21.65	21.49	21.61	23.00
		36	18	21.53	21.56	21.52	23.00
		36	39	21.48	21.48	21.61	23.00
		75	0	21.62	21.68	21.40	23.00
	64QAM	1	0	21.55	21.79	21.53	23.00
		1	38	21.80	21.67	21.25	23.00
		1	74	21.63	21.80	21.65	23.00
		36	0	20.67	20.65	20.28	22.00
		36	18	20.02	20.49	20.44	22.00
		36	39	20.27	20.75	20.42	22.00
		75	0	20.91	20.85	20.71	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132072	132322	132572	
20MHz	QPSK	1	0	21.82	21.71	21.36	23.00
		1	50	21.53	21.61	21.36	23.00
		1	99	21.36	21.48	21.32	23.00
		50	0	21.73	21.72	21.51	23.00
		50	25	21.61	21.60	21.40	23.00
		50	50	21.36	21.55	21.30	23.00
		100	0	21.42	21.66	21.43	23.00
	16QAM	1	0	21.69	21.40	21.67	23.00
		1	50	21.42	21.50	21.37	23.00
		1	99	21.19	21.11	21.41	23.00
		50	0	21.64	21.81	21.70	23.00
		50	25	21.53	21.73	21.58	23.00
		50	50	21.42	21.57	21.42	23.00
		100	0	21.33	21.63	21.61	23.00
	64QAM	1	0	21.50	21.81	21.55	23.00
		1	50	21.81	21.72	21.22	23.00
		1	99	21.65	21.80	21.65	23.00
		50	0	20.68	20.66	20.33	22.00
		50	25	20.02	20.50	20.44	22.00
		50	50	20.29	20.76	20.47	22.00
		100	0	20.89	20.90	20.74	22.00



LTE Band 66 Receiver off&Hotspot off				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131979	132322	132665	
1.4MHz	QPSK	1	0	23.67	23.78	23.58	25.00
		1	2	23.70	23.71	23.53	25.00
		1	5	23.61	23.78	23.44	25.00
		3	0	23.62	23.77	23.56	25.00
		3	1	23.75	23.76	23.65	25.00
		3	3	23.70	23.64	23.63	25.00
		6	0	22.77	22.87	22.56	24.00
	16QAM	1	0	22.51	23.03	22.60	24.00
		1	2	23.01	22.81	22.43	24.00
		1	5	22.73	22.96	22.70	24.00
		3	0	22.81	22.66	22.39	24.00
		3	1	22.08	22.56	22.57	24.00
		3	3	22.35	22.71	22.52	24.00
		6	0	21.94	21.87	21.87	23.00
	64QAM	1	0	21.51	21.99	21.57	23.00
		1	2	21.98	21.79	21.43	23.00
		1	5	21.68	21.94	21.70	23.00
		3	0	21.81	21.61	21.39	23.00
		3	1	21.05	21.51	21.52	23.00
		3	3	21.30	21.67	21.50	23.00
		6	0	20.94	20.87	20.82	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
3MHz	QPSK	1	0	23.66	23.70	23.56	25.00
		1	7	23.71	23.76	23.69	25.00
		1	14	23.58	23.77	23.62	25.00
		8	0	22.89	22.73	22.51	24.00
		8	4	22.70	22.81	22.49	24.00
		8	7	22.66	22.80	22.62	24.00
		15	0	22.80	22.87	22.60	24.00
	16QAM	1	0	22.60	22.84	22.57	24.00
		1	7	22.97	22.93	22.76	24.00
		1	14	22.47	22.92	22.60	24.00
		8	0	21.79	21.85	21.54	23.00
		8	4	21.82	21.88	21.63	23.00
		8	7	21.92	21.88	21.56	23.00
		15	0	21.90	21.79	21.63	23.00
	64QAM	1	0	21.57	21.80	21.52	23.00
		1	7	21.95	21.91	21.76	23.00
		1	14	21.46	21.89	21.56	23.00
		8	0	20.79	20.81	20.50	22.00
		8	4	20.81	20.85	20.60	22.00
		8	7	20.87	20.83	20.52	22.00
		15	0	20.87	20.77	20.59	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
3MHz	QPSK	1	0	23.66	23.70	23.56	25.00
		1	7	23.71	23.76	23.69	25.00
		1	14	23.58	23.77	23.62	25.00
		8	0	22.89	22.73	22.51	24.00
		8	4	22.70	22.81	22.49	24.00
		8	7	22.66	22.80	22.62	24.00
		15	0	22.80	22.87	22.60	24.00
	16QAM	1	0	22.60	22.84	22.57	24.00
		1	7	22.97	22.93	22.76	24.00
		1	14	22.47	22.92	22.60	24.00
		8	0	21.79	21.85	21.54	23.00
		8	4	21.82	21.88	21.63	23.00
		8	7	21.92	21.88	21.56	23.00
		15	0	21.90	21.79	21.63	23.00
	64QAM	1	0	21.57	21.80	21.52	23.00
		1	7	21.95	21.91	21.76	23.00
		1	14	21.46	21.89	21.56	23.00
		8	0	20.79	20.81	20.50	22.00
		8	4	20.81	20.85	20.60	22.00
		8	7	20.87	20.83	20.52	22.00
		15	0	20.87	20.77	20.59	22.00



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

Report No.: AR/2020/8000508

Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131997	132322	132647	
5MHz	QPSK	1	0	23.65	23.57	23.55	25.00
		1	13	23.73	23.68	23.50	25.00
		1	24	23.62	23.61	23.37	25.00
		12	0	22.68	22.97	22.56	24.00
		12	6	22.67	22.72	22.63	24.00
		12	13	22.68	22.79	22.36	24.00
		25	0	22.63	22.83	22.52	24.00
	16QAM	1	0	22.84	22.60	22.96	24.00
		1	13	22.42	22.84	22.95	24.00
		1	24	22.44	22.63	22.30	24.00
		12	0	21.93	21.78	21.49	23.00
		12	6	21.68	21.84	21.39	23.00
		12	13	21.69	21.69	21.38	23.00
		25	0	21.82	21.90	21.53	23.00
	64QAM	1	0	21.60	21.84	21.55	23.00
		1	13	21.96	21.93	21.72	23.00
		1	24	21.45	21.89	21.55	23.00
		12	0	20.78	20.83	20.54	22.00
		12	6	20.78	20.87	20.62	22.00
		12	13	20.92	20.87	20.53	22.00
		25	0	20.87	20.78	20.61	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132022	132322	132622	
10MHz	QPSK	1	0	23.68	23.72	23.60	25.00
		1	25	23.62	23.58	23.63	25.00
		1	49	23.44	23.66	23.56	25.00
		25	0	22.71	22.81	22.77	24.00
		25	13	22.71	22.68	22.59	24.00
		25	25	22.59	22.81	22.36	24.00
		50	0	22.65	22.82	22.65	24.00
	16QAM	1	0	22.46	23.00	22.05	24.00
		1	25	22.19	22.62	22.31	24.00
		1	49	22.76	22.75	22.74	24.00
		25	0	21.81	21.75	21.59	23.00
		25	13	21.69	21.80	21.64	23.00
		25	25	21.62	21.69	21.49	23.00
		50	0	21.86	21.93	21.71	23.00
	64QAM	1	0	21.60	21.82	21.53	23.00
		1	25	21.93	21.92	21.76	23.00
		1	49	21.42	21.91	21.55	23.00
		25	0	20.76	20.84	20.51	22.00
		25	13	20.81	20.84	20.59	22.00
		25	25	20.89	20.86	20.55	22.00
		50	0	20.88	20.76	20.61	22.00



Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132047	132322	132597	
15MHz	QPSK	1	0	23.68	23.76	23.78	25.00
		1	38	23.53	23.75	23.61	25.00
		1	74	23.47	23.53	23.65	25.00
		36	0	22.87	22.76	22.58	24.00
		36	18	22.76	22.82	22.46	24.00
		36	39	22.61	22.64	22.51	24.00
		75	0	22.59	22.74	22.98	24.00
	16QAM	1	0	22.84	22.95	22.99	24.00
		1	38	22.93	22.41	22.73	24.00
		1	74	22.61	22.55	22.76	24.00
		36	0	21.82	21.59	21.67	23.00
		36	18	21.66	21.55	21.65	23.00
		36	39	21.65	21.59	21.69	23.00
		75	0	21.61	21.70	21.41	23.00
	64QAM	1	0	21.57	21.81	21.56	23.00
		1	38	21.97	21.92	21.75	23.00
		1	74	21.45	21.90	21.56	23.00
		36	0	20.75	20.81	20.49	22.00
		36	18	20.82	20.86	20.58	22.00
		36	39	20.89	20.87	20.55	22.00
		75	0	20.86	20.75	20.61	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132072	132322	132572	
20MHz	QPSK	1	0	23.79	23.75	23.46	25.00
		1	50	23.59	23.58	23.41	25.00
		1	99	23.40	23.45	23.27	25.00
		50	0	22.81	22.80	22.54	24.00
		50	25	22.66	22.64	22.47	24.00
		50	50	22.44	22.63	22.44	24.00
		100	0	22.54	22.61	22.52	24.00
	16QAM	1	0	22.82	23.15	22.79	24.00
		1	50	22.48	22.61	22.36	24.00
		1	99	22.22	22.22	22.41	24.00
		50	0	21.67	21.73	21.69	23.00
		50	25	21.54	21.76	21.55	23.00
		50	50	21.48	21.73	21.53	23.00
		100	0	21.49	21.66	21.65	23.00
	64QAM	1	0	21.58	21.82	21.52	23.00
		1	50	21.97	21.93	21.75	23.00
		1	99	21.47	21.90	21.57	23.00
		50	0	20.79	20.84	20.49	22.00
		50	25	20.79	20.84	20.63	22.00
		50	50	20.89	20.87	20.56	22.00
		100	0	20.87	20.74	20.60	22.00



LTE Band 38 Receiver on&Hotspot on				Conducted Power(dBm)			Tune up	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel		
				37775	38000	38225		
5MHz	QPSK	1	0	18.62	18.39	18.08	19.50	
		1	13	18.60	18.40	18.08	19.50	
		1	24	18.64	18.19	17.86	19.50	
		12	0	18.62	18.37	18.05	19.50	
		12	6	18.65	18.37	18.04	19.50	
		12	13	18.61	18.46	18.08	19.50	
	16QAM	25	0	18.62	18.43	18.05	19.50	
		1	0	18.61	18.59	18.20	19.50	
		1	13	18.62	18.52	18.14	19.50	
		1	24	18.58	18.55	18.08	19.50	
		12	0	18.65	18.47	18.03	19.50	
		12	6	18.62	18.42	18.07	19.50	
	64QAM	12	13	18.63	18.54	18.11	19.50	
		25	0	18.60	18.45	18.19	19.50	
		1	0	18.61	18.55	18.16	19.50	
		1	13	18.60	18.48	18.13	19.50	
		1	24	18.63	18.55	18.04	19.50	
		12	0	18.64	18.42	18.01	19.50	
	10MHz	QPSK	12	6	18.59	18.37	18.04	19.50
			12	13	18.61	18.53	18.07	19.50
			25	0	18.65	18.42	18.19	19.50
1			0	18.57	18.52	18.01	19.50	
1			25	18.63	18.34	17.88	19.50	
1			49	18.60	18.20	17.94	19.50	
16QAM		25	0	18.62	18.48	18.14	19.50	
		25	13	18.64	18.29	18.05	19.50	
		25	25	18.63	18.30	17.98	19.50	
		50	0	18.58	18.36	18.13	19.50	
		1	0	18.61	18.60	18.17	19.50	
		1	25	18.63	18.53	18.21	19.50	
64QAM		1	49	18.56	18.51	18.11	19.50	
		25	0	18.60	18.41	18.32	19.50	
		25	13	18.56	18.53	18.15	19.50	
	25	25	18.51	18.37	18.19	19.50		
	50	0	18.60	18.39	18.28	19.50		
	1	0	18.64	18.65	18.16	19.50		
10MHz	64QAM	1	25	18.61	18.45	18.18	19.50	
		1	49	18.52	18.48	18.09	19.50	
		25	0	18.59	18.34	18.28	19.50	
		25	13	18.53	18.46	18.17	19.50	
		25	25	18.47	18.42	18.11	19.50	
		50	0	18.62	18.39	18.24	19.50	



Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	18.63	18.64	18.05	19.50
		1	38	18.64	18.44	18.16	19.50
		1	74	18.45	18.46	18.20	19.50
		36	0	18.59	18.51	18.17	19.50
		36	18	18.61	18.35	18.07	19.50
		36	39	18.53	18.39	18.16	19.50
		75	0	18.62	18.35	18.13	19.50
	16QAM	1	0	18.60	18.64	18.16	19.50
		1	38	18.65	18.50	18.23	19.50
		1	74	18.55	18.54	18.14	19.50
		36	0	18.60	18.42	18.28	19.50
		36	18	18.53	18.49	18.19	19.50
		36	39	18.46	18.37	18.15	19.50
		75	0	18.58	18.42	18.30	19.50
	64QAM	1	0	18.58	18.60	18.20	19.50
		1	38	18.63	18.47	18.23	19.50
		1	74	18.54	18.46	18.11	19.50
		36	0	18.61	18.34	18.31	19.50
		36	18	18.50	18.46	18.16	19.50
		36	39	18.42	18.41	18.16	19.50
		75	0	18.57	18.40	18.22	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	18.66	18.58	18.26	19.50
		1	50	18.54	18.09	18.09	19.50
		1	99	18.42	18.03	18.10	19.50
		50	0	18.52	18.27	18.16	19.50
		50	25	18.44	18.24	18.07	19.50
		50	50	18.35	18.23	18.07	19.50
		100	0	18.46	18.30	18.10	19.50
	16QAM	1	0	18.61	18.59	18.21	19.50
		1	50	18.64	18.55	18.24	19.50
		1	99	18.57	18.56	18.16	19.50
		50	0	18.65	18.43	18.33	19.50
		50	25	18.58	18.53	18.20	19.50
		50	50	18.51	18.42	18.19	19.50
		100	0	18.62	18.43	18.30	19.50
	64QAM	1	0	18.62	18.61	18.21	19.50
		1	50	18.63	18.50	18.23	19.50
		1	99	18.55	18.51	18.12	19.50
		50	0	18.61	18.38	18.32	19.50
		50	25	18.55	18.50	18.20	19.50
		50	50	18.47	18.42	18.16	19.50
		100	0	18.62	18.40	18.27	19.50



LTE Band 38 Receiver off&Hotspot off				Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				37775	38000	38225		
5MHz	QPSK	1	0	22.79	22.43	22.76	23.50	
		1	13	22.77	22.26	22.74	23.50	
		1	24	22.71	22.25	22.76	23.50	
		12	0	21.65	21.29	21.81	22.50	
		12	6	21.73	21.30	21.95	22.50	
		12	13	21.81	21.42	21.87	22.50	
	16QAM	25	0	21.78	21.34	21.82	22.50	
		1	0	21.67	21.48	21.81	22.50	
		1	13	21.85	21.41	21.80	22.50	
		1	24	21.79	21.32	21.77	22.50	
		12	0	20.64	20.33	20.81	21.50	
		12	6	20.77	20.43	20.91	21.50	
	64QAM	12	13	20.75	20.41	20.80	21.50	
		25	0	20.78	20.43	21.01	21.50	
		1	0	20.63	20.46	20.76	21.50	
		1	13	20.85	20.40	20.77	21.50	
		1	24	20.79	20.28	20.73	21.50	
		12	0	19.60	19.29	19.79	20.50	
	10MHz	QPSK	12	6	19.72	19.43	19.86	20.50
			12	13	19.75	19.37	19.76	20.50
			25	0	19.74	19.40	20.00	20.50
1			0	22.80	22.41	22.73	23.50	
1			25	22.82	22.27	22.70	23.50	
1			49	22.73	22.32	22.73	23.50	
16QAM		25	0	21.76	21.38	21.87	22.50	
		25	13	21.81	21.28	21.93	22.50	
		25	25	21.84	21.45	21.84	22.50	
		50	0	21.84	21.37	21.79	22.50	
		1	0	21.65	21.54	21.87	22.50	
		1	25	21.90	21.48	21.81	22.50	
64QAM		1	49	21.78	21.33	21.88	22.50	
		25	0	20.68	20.42	20.94	21.50	
		25	13	20.73	20.45	20.91	21.50	
	25	25	20.78	20.43	20.86	21.50		
	50	0	20.77	20.45	21.07	21.50		
	1	0	20.64	20.48	20.77	21.50		
64QAM	1	25	20.83	20.39	20.76	21.50		
	1	49	20.77	20.31	20.77	21.50		
	25	0	19.60	19.33	19.81	20.50		
	25	13	19.75	19.43	19.89	20.50		
	25	25	19.71	19.40	19.78	20.50		
	50	0	19.75	19.39	20.00	20.50		



Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	22.80	22.62	22.59	23.50
		1	38	22.77	22.40	22.48	23.50
		1	74	22.80	22.29	22.60	23.50
		36	0	21.82	21.47	21.54	22.50
		36	18	21.79	21.43	21.60	22.50
		36	39	21.78	21.52	21.77	22.50
		75	0	21.99	21.39	21.71	22.50
	16QAM	1	0	21.83	21.56	21.74	22.50
		1	38	21.78	21.43	21.65	22.50
		1	74	21.75	21.25	21.55	22.50
		36	0	20.72	20.54	20.68	21.50
		36	18	20.82	20.48	20.67	21.50
		36	39	20.87	20.51	20.62	21.50
		75	0	20.79	20.48	20.62	21.50
	64QAM	1	0	20.62	20.47	20.76	21.50
		1	38	20.85	20.38	20.75	21.50
		1	74	20.77	20.31	20.74	21.50
		36	0	19.60	19.32	19.76	20.50
		36	18	19.76	19.40	19.89	20.50
		36	39	19.75	19.36	19.80	20.50
		75	0	19.73	19.40	19.98	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	22.83	22.68	22.33	23.50
		1	50	22.82	22.38	22.14	23.50
		1	99	22.71	22.36	22.25	23.50
		50	0	21.75	21.54	21.16	22.50
		50	25	21.73	21.49	21.29	22.50
		50	50	21.70	21.43	21.27	22.50
		100	0	22.05	21.50	21.40	22.50
	16QAM	1	0	21.81	21.68	21.39	22.50
		1	50	21.87	21.51	21.24	22.50
		1	99	21.72	21.45	21.16	22.50
		50	0	20.71	20.65	20.30	21.50
		50	25	21.00	20.57	20.38	21.50
		50	50	20.73	20.68	20.33	21.50
		100	0	21.01	20.61	20.47	21.50
	64QAM	1	0	20.63	20.43	20.80	21.50
		1	50	20.85	20.41	20.76	21.50
		1	99	20.79	20.27	20.73	21.50
		50	0	19.63	19.30	19.78	20.50
		50	25	19.77	19.42	19.88	20.50
		50	50	19.71	19.36	19.80	20.50
		100	0	19.73	19.41	20.00	20.50



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

Report No.: AR/2020/8000508

LTE Band 41 Receiver on&Hotspot on				Conducted Power(dBm)				Tune up
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	
				40065	40448	40832	41215	
5MHz	QPSK	1	0	19.30	18.70	19.06	18.82	20.00
		1	13	19.09	18.69	19.08	18.82	20.00
		1	24	19.01	18.75	18.99	18.54	20.00
		12	0	19.15	18.78	19.06	18.81	20.00
		12	6	19.14	18.68	19.04	18.86	20.00
		12	13	19.00	18.73	19.07	18.77	20.00
		25	0	19.05	18.71	19.13	18.71	20.00
	16QAM	1	0	19.19	19.23	18.73	19.27	20.00
		1	13	18.90	19.23	18.45	19.18	20.00
		1	24	18.84	19.19	18.37	18.84	20.00
		12	0	19.12	19.20	18.46	19.18	20.00
		12	6	19.09	19.29	18.32	19.00	20.00
		12	13	19.09	19.24	18.16	18.90	20.00
		25	0	19.00	19.30	18.32	19.04	20.00
	64QAM	1	0	19.19	19.16	18.70	19.26	20.00
		1	13	18.88	19.20	18.43	19.14	20.00
		1	24	18.87	19.17	18.35	18.78	20.00
		12	0	19.07	19.18	18.47	19.12	20.00
		12	6	19.11	19.31	18.31	18.96	20.00
		12	13	19.04	19.23	18.12	18.89	20.00
		25	0	18.96	19.21	18.33	19.03	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up
				40090	40457	40823	41190	
10MHz	QPSK	1	0	18.97	18.66	18.81	19.01	20.00
		1	25	19.17	18.69	18.69	19.18	20.00
		1	49	19.12	18.79	18.85	19.03	20.00
		25	0	19.06	18.62	18.69	19.03	20.00
		25	13	19.06	18.64	18.64	19.05	20.00
		25	25	19.20	18.62	18.71	19.24	20.00
		50	0	19.30	18.86	18.89	19.28	20.00
	16QAM	1	0	19.19	19.20	18.70	19.29	20.00
		1	25	18.88	19.24	18.44	19.13	20.00
		1	49	18.83	19.17	18.37	18.81	20.00
		25	0	19.15	19.19	18.44	19.18	20.00
		25	13	19.13	19.32	18.34	19.01	20.00
		25	25	19.12	19.27	18.18	18.93	20.00
		50	0	18.99	19.26	18.29	19.08	20.00
	64QAM	1	0	19.18	19.17	18.69	19.28	20.00
		1	25	18.88	19.22	18.44	19.12	20.00
		1	49	18.83	19.17	18.38	18.82	20.00
		25	0	19.07	19.19	18.44	19.11	20.00
		25	13	19.08	19.29	18.31	18.97	20.00
		25	25	19.04	19.23	18.12	18.91	20.00
		50	0	18.96	19.25	18.28	19.02	20.00



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

Report No.: AR/2020/8000508

Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up
				40115	40465	40815	41165	
15MHz	QPSK	1	0	19.14	18.74	18.65	19.10	20.00
		1	38	18.89	18.73	18.58	19.06	20.00
		1	74	19.15	18.72	18.56	18.93	20.00
		36	0	18.97	18.72	18.49	19.05	20.00
		36	18	19.12	18.77	18.57	19.10	20.00
		36	39	18.97	18.72	18.39	19.00	20.00
		75	0	19.20	18.64	18.39	19.15	20.00
	16QAM	1	0	19.21	19.23	18.70	19.29	20.00
		1	38	18.88	19.25	18.47	19.15	20.00
		1	74	18.84	19.18	18.35	18.85	20.00
		36	0	19.12	19.20	18.44	19.17	20.00
		36	18	19.12	19.30	18.31	18.99	20.00
		36	39	19.11	19.23	18.15	18.91	20.00
		75	0	19.01	19.27	18.31	19.08	20.00
	64QAM	1	0	19.16	19.14	18.68	19.30	20.00
		1	38	18.90	19.21	18.45	19.10	20.00
		1	74	18.85	19.19	18.36	18.83	20.00
		36	0	19.12	19.16	18.46	19.14	20.00
		36	18	19.12	19.27	18.30	19.00	20.00
		36	39	19.09	19.19	18.14	18.92	20.00
		75	0	18.97	19.25	18.31	19.01	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up
20MHz	QPSK	1	0	19.09	19.31	18.73	19.21	20.00
		1	50	19.10	19.34	18.80	19.34	20.00
		1	99	18.89	19.09	18.14	18.86	20.00
		50	0	19.09	19.28	18.43	19.10	20.00
		50	25	19.07	19.20	18.22	19.10	20.00
		50	50	19.10	19.33	18.55	19.11	20.00
		100	0	18.98	19.22	18.23	19.03	20.00
	16QAM	1	0	19.24	19.24	18.75	19.30	20.00
		1	50	18.93	19.28	18.48	19.18	20.00
		1	99	18.88	19.22	18.39	18.85	20.00
		50	0	19.17	19.24	18.49	19.18	20.00
		50	25	19.13	19.33	18.35	19.03	20.00
		50	50	19.13	19.28	18.18	18.95	20.00
		100	0	19.02	19.30	18.33	19.09	20.00
	64QAM	1	0	19.19	19.19	18.72	19.30	20.00
		1	50	18.92	19.24	18.46	19.14	20.00
		1	99	18.88	19.20	18.39	18.83	20.00
		50	0	19.12	19.21	18.49	19.15	20.00
		50	25	19.13	19.31	18.33	19.01	20.00
		50	50	19.09	19.24	18.14	18.94	20.00
		100	0	18.98	19.25	18.33	19.05	20.00



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

Report No.: AR/2020/8000508

LTE Band 41 Receiver off&Hotspot off				Conducted Power(dBm)				Tune up	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel		
				40065	40448	40832	41215		
5MHz	QPSK	1	0	23.06	22.77	22.56	22.68	24.00	
		1	13	23.22	22.75	22.68	22.70	24.00	
		1	24	22.93	22.69	22.52	22.55	24.00	
		12	0	22.10	21.73	21.61	21.68	23.00	
		12	6	22.10	21.77	21.65	21.64	23.00	
		12	13	22.13	21.63	21.68	21.58	23.00	
	16QAM	25	0	22.23	21.58	21.79	21.79	23.00	
		1	0	22.10	21.66	21.57	21.66	23.00	
		1	13	22.19	21.65	21.64	21.70	23.00	
		1	24	22.04	21.55	21.61	21.57	23.00	
		12	0	21.04	20.75	20.60	20.65	22.00	
		12	6	21.14	20.63	20.76	20.75	22.00	
	64QAM	12	13	21.02	20.62	20.58	20.71	22.00	
		25	0	21.20	20.73	20.68	20.74	22.00	
		1	0	21.05	20.61	20.56	20.65	22.00	
		1	13	21.17	20.62	20.62	20.68	22.00	
		1	24	21.01	20.53	20.58	20.54	22.00	
		12	0	20.02	19.70	19.55	19.62	21.00	
	10MHz	QPSK	12	6	20.11	19.63	19.75	19.73	21.00
			12	13	20.02	19.57	19.53	19.67	21.00
			25	0	20.19	19.70	19.68	19.70	21.00
1			0	23.12	22.81	22.62	22.71	24.00	
1			25	23.20	22.79	22.71	22.67	24.00	
1			49	22.96	22.71	22.52	22.52	24.00	
16QAM		25	0	22.20	21.82	21.63	21.67	23.00	
		25	13	22.22	21.90	21.62	21.70	23.00	
		25	25	22.17	21.65	21.64	21.66	23.00	
		50	0	22.21	21.57	21.78	21.78	23.00	
		1	0	22.09	21.66	21.69	21.74	23.00	
		1	25	22.11	21.69	21.70	21.75	23.00	
64QAM		1	49	22.06	21.59	21.65	21.65	23.00	
		25	0	21.08	20.73	20.64	20.74	22.00	
		25	13	21.17	20.67	20.75	20.74	22.00	
	25	25	21.11	20.65	20.67	20.72	22.00		
	50	0	21.21	20.78	20.67	20.81	22.00		
	1	0	21.08	20.66	20.68	20.73	22.00		
64QAM	1	25	21.08	20.67	20.68	20.72	22.00		
	1	49	21.05	20.54	20.65	20.65	22.00		
	25	0	20.07	19.73	19.63	19.72	21.00		
	25	13	20.16	19.62	19.72	19.70	21.00		
	25	25	20.06	19.63	19.66	19.70	21.00		
	50	0	20.16	19.74	19.66	19.78	21.00		



Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up	
				40115	40465	40815	41165		
15MHz	QPSK	1	0	23.23	22.95	22.71	22.67	24.00	
		1	38	23.19	22.68	22.54	22.59	24.00	
		1	74	23.13	22.88	22.67	22.48	24.00	
		36	0	22.28	21.65	21.63	21.58	23.00	
		36	18	22.18	21.81	21.65	21.62	23.00	
		36	39	22.11	21.76	21.68	21.64	23.00	
	16QAM	75	0	22.36	21.75	21.66	21.59	23.00	
		1	0	22.27	21.76	21.65	21.66	23.00	
		1	38	22.08	21.71	21.57	21.64	23.00	
		1	74	22.19	21.63	21.64	21.45	23.00	
		36	0	21.31	20.72	20.78	20.67	22.00	
		36	18	21.18	20.76	20.66	20.58	22.00	
	64QAM	36	39	21.28	20.87	20.73	20.70	22.00	
		75	0	21.33	20.64	20.65	20.58	22.00	
		1	0	21.04	20.61	20.68	20.71	22.00	
		1	38	21.06	20.64	20.68	20.73	22.00	
		1	74	21.01	20.58	20.64	20.64	22.00	
		36	0	20.06	19.68	19.61	19.73	21.00	
	20MHz	QPSK	36	18	20.13	19.62	19.71	19.73	21.00
			36	39	20.10	19.63	19.67	19.67	21.00
			75	0	20.18	19.76	19.67	19.79	21.00
1			0	23.23	23.25	22.78	23.25	24.00	
1			50	23.21	22.76	22.62	22.66	24.00	
1			99	23.18	22.95	22.74	22.58	24.00	
50			0	22.31	21.68	21.65	21.68	23.00	
16QAM		50	25	22.28	21.91	21.66	21.70	23.00	
		50	50	22.17	21.86	21.70	21.65	23.00	
		100	0	22.44	21.75	21.75	21.60	23.00	
		1	0	22.31	21.78	21.71	21.74	23.00	
		1	50	22.16	21.74	21.63	21.71	23.00	
		1	99	22.23	21.70	21.66	21.46	23.00	
		50	0	21.40	20.76	20.87	20.76	22.00	
64QAM		50	25	21.25	20.78	20.71	20.63	22.00	
	50	50	21.37	20.92	20.83	20.71	22.00		
	100	0	21.38	20.64	20.69	20.64	22.00		
	1	0	21.06	20.64	20.69	20.70	22.00		
	1	50	21.09	20.67	20.67	20.75	22.00		
	1	99	21.02	20.57	20.60	20.65	22.00		
	50	0	20.06	19.72	19.59	19.72	21.00		
64QAM	50	25	20.12	19.63	19.72	19.73	21.00		
	50	50	20.07	19.64	19.64	19.71	21.00		
	100	0	20.19	19.75	19.65	19.76	21.00		

Table 6 : Conducted Power of LTE

1.3 Conducted Power of Main Antenna (Ant4)

1.3.1 Conducted Power of GSM

GSM 850 Receiver on&Hotspot on										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		128	190	251			128	190	251	
GSM(GMSK)	GSM	30.25	30.16	30.20	31.00	-9.19	21.06	20.97	21.01	21.81
GPRS/EGPRS (GMSK)	1 TX Slot	30.19	30.15	30.19	31.00	-9.19	21.00	20.96	21.00	21.81
	2 TX Slots	26.74	26.67	26.74	28.00	-6.18	20.56	20.49	20.56	21.82
	3 TX Slots	24.77	24.67	24.65	26.20	-4.42	20.35	20.25	20.23	21.78
	4 TX Slots	23.19	23.21	23.15	25.00	-3.17	20.02	20.04	19.98	21.83
EGPRS(8PSK)	1 TX Slot	25.38	25.37	25.45	26.00	-9.19	16.19	16.18	16.26	16.81
	2 TX Slots	22.11	22.08	22.25	23.00	-6.18	15.93	15.90	16.07	16.82
	3 TX Slots	20.34	20.21	20.26	21.20	-4.42	15.92	15.79	15.84	16.78
	4 TX Slots	18.92	18.71	18.72	20.00	-3.17	15.75	15.54	15.55	16.83
GSM 850 Receiver off&Hotspot off										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		128	190	251			128	190	251	
GSM(GMSK)	GSM	33.32	33.05	33.12	33.50	-9.19	24.13	23.86	23.93	24.31
GPRS/EGPRS (GMSK)	1 TX Slot	33.30	33.03	33.01	33.50	-9.19	24.11	23.84	23.82	24.31
	2 TX Slots	29.89	29.88	29.78	30.50	-6.18	23.71	23.70	23.60	24.32
	3 TX Slots	27.51	27.56	27.64	28.70	-4.42	23.09	23.14	23.22	24.28
	4 TX Slots	25.95	26.00	26.01	27.50	-3.17	22.78	22.83	22.84	24.33
EGPRS(8PSK)	1 TX Slot	27.16	27.14	27.13	28.50	-9.19	17.97	17.95	17.94	19.31
	2 TX Slots	24.11	24.19	24.14	25.50	-6.18	17.93	18.01	17.96	19.32
	3 TX Slots	23.35	23.34	23.35	23.70	-4.42	18.93	18.92	18.93	19.28
	4 TX Slots	21.12	21.13	21.14	22.50	-3.17	17.95	17.96	17.97	19.33

Table 7 : Conducted Power of GSM

1.3.2 Conducted Power of WCDMA

WCDMA Band V Receiver on&Hotspot on					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	20.65	20.63	20.66	21.50
	12.2kbps AMR	20.60	20.60	20.61	21.50
HSDPA	Subtest 1	19.41	19.35	19.31	20.50
	Subtest 2	19.38	19.36	19.30	20.50
	Subtest 3	19.01	18.85	18.86	20.00
	Subtest 4	18.94	18.75	18.79	20.00
HSUPA	Subtest 1	19.49	19.36	19.31	20.50
	Subtest 2	17.44	17.27	17.25	18.50
	Subtest 3	18.45	18.34	18.26	19.50
	Subtest 4	17.48	17.24	17.29	18.50
	Subtest 5	19.50	19.31	19.22	20.50
DC-HSDPA	Subtest 1	19.48	19.31	19.34	20.50
	Subtest 2	19.48	19.29	19.27	20.50
	Subtest 3	18.93	18.80	18.79	20.00
	Subtest 4	18.93	18.73	18.80	20.00
HSPA+	16QAM	17.98	17.76	17.69	19.00
WCDMA Band V Receiver off&Hotspot off					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	24.19	24.12	24.21	25.00
	12.2kbps AMR	24.15	24.10	24.19	25.00
HSDPA	Subtest 1	23.45	23.39	23.40	24.00
	Subtest 2	23.45	23.40	23.35	24.00
	Subtest 3	23.03	22.92	22.88	23.50
	Subtest 4	22.99	22.80	22.84	23.50
HSUPA	Subtest 1	23.56	23.39	23.34	24.00
	Subtest 2	21.49	21.35	21.34	22.00
	Subtest 3	22.51	22.39	22.34	23.00
	Subtest 4	21.52	21.31	21.34	22.00
	Subtest 5	23.51	23.40	23.28	24.00
DC-HSDPA	Subtest 1	23.56	23.39	23.42	24.00
	Subtest 2	23.53	23.30	23.32	24.00
	Subtest 3	22.98	22.86	22.84	23.50
	Subtest 4	23.01	22.79	22.86	23.50
HSPA+	16QAM	22.11	21.89	21.96	22.50

Table 8 : Conducted Power of WCDMA

1.3.3 Conducted Power of LTE

LTE Band 5 Receiver on&Hotspot on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20407	20525	20643	
1.4MHz	QPSK	1	0	19.96	20.09	20.08	21.50
		1	2	20.11	20.14	20.15	21.50
		1	5	19.99	20.08	20.11	21.50
		3	0	20.07	20.21	19.99	21.50
		3	2	20.03	20.09	20.07	21.50
		3	3	20.06	20.08	20.08	21.50
		6	0	20.04	20.19	20.14	21.50
	16QAM	1	0	20.27	20.54	20.54	21.50
		1	2	20.52	20.52	20.64	21.50
		1	5	20.43	20.54	20.26	21.50
		3	0	20.20	20.35	20.35	21.50
		3	2	20.10	20.44	20.26	21.50
		3	3	20.16	20.38	20.35	21.50
		6	0	20.22	20.29	20.22	21.50
	64QAM	1	0	20.26	20.50	20.54	21.50
		1	2	20.50	20.49	20.59	21.50
		1	5	20.39	20.46	20.23	21.50
		3	0	20.18	20.37	20.35	21.50
		3	2	20.06	20.40	20.21	21.50
		3	3	20.13	20.30	20.30	21.50
		6	0	20.22	20.31	20.23	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
3MHz	QPSK	1	0	20.10	20.25	20.14	21.50
		1	7	20.19	20.32	20.27	21.50
		1	14	19.98	20.15	20.17	21.50
		8	0	20.15	20.18	20.21	21.50
		8	4	20.17	20.16	20.24	21.50
		8	7	20.11	20.24	20.15	21.50
		15	0	20.06	20.23	20.22	21.50
	16QAM	1	0	20.23	20.54	20.56	21.50
		1	7	20.53	20.53	20.64	21.50
		1	14	20.40	20.52	20.28	21.50
		8	0	20.18	20.38	20.37	21.50
		8	4	20.11	20.46	20.26	21.50
		8	7	20.20	20.35	20.36	21.50
		15	0	20.22	20.29	20.23	21.50
	64QAM	1	0	20.22	20.51	20.51	21.50
		1	7	20.53	20.53	20.59	21.50
		1	14	20.41	20.48	20.26	21.50
		8	0	20.16	20.34	20.35	21.50
		8	4	20.08	20.37	20.22	21.50
		8	7	20.15	20.29	20.33	21.50
		15	0	20.21	20.30	20.24	21.50



Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	20.16	20.31	20.11	21.50
		1	13	20.11	20.33	20.20	21.50
		1	24	20.04	20.07	20.21	21.50
		12	0	20.10	20.27	20.19	21.50
		12	6	20.18	20.27	20.20	21.50
		12	13	20.14	20.18	20.27	21.50
		25	0	20.09	20.29	20.23	21.50
	16QAM	1	0	20.26	20.57	20.52	21.50
		1	13	20.52	20.54	20.60	21.50
		1	24	20.40	20.50	20.27	21.50
		12	0	20.16	20.38	20.36	21.50
		12	6	20.11	20.45	20.29	21.50
		12	13	20.16	20.33	20.36	21.50
		25	0	20.21	20.32	20.22	21.50
	64QAM	1	0	20.23	20.49	20.51	21.50
		1	13	20.49	20.49	20.57	21.50
		1	24	20.41	20.51	20.24	21.50
		12	0	20.20	20.35	20.32	21.50
		12	6	20.09	20.41	20.21	21.50
		12	13	20.12	20.30	20.29	21.50
		25	0	20.19	20.27	20.19	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	20.09	20.65	20.27	21.50
		1	25	20.19	20.66	20.66	21.50
		1	49	20.21	20.25	20.14	21.50
		25	0	20.16	20.26	20.25	21.50
		25	13	20.12	20.22	20.25	21.50
		25	25	20.09	20.16	20.21	21.50
		50	0	20.12	20.20	20.20	21.50
	16QAM	1	0	20.27	20.58	20.56	21.50
		1	25	20.54	20.55	20.64	21.50
		1	49	20.45	20.54	20.28	21.50
		25	0	20.20	20.39	20.39	21.50
		25	13	20.13	20.46	20.31	21.50
		25	25	20.20	20.38	20.37	21.50
		50	0	20.25	20.34	20.25	21.50
	64QAM	1	0	20.27	20.53	20.55	21.50
		1	25	20.54	20.54	20.59	21.50
		1	49	20.42	20.51	20.26	21.50
		25	0	20.20	20.37	20.36	21.50
		25	13	20.11	20.42	20.26	21.50
		25	25	20.15	20.34	20.34	21.50
		50	0	20.24	20.32	20.24	21.50



LTE Band 5 Receiver off&Hotspot off				Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				20407	20525	20643		
1.4MHz	QPSK	1	0	24.04	24.14	24.01	25.50	
		1	2	24.18	24.08	24.18	25.50	
		1	5	23.96	24.01	24.11	25.50	
		3	0	24.12	24.11	24.21	25.50	
		3	2	24.07	24.12	24.15	25.50	
		3	3	24.04	24.09	24.22	25.50	
	16QAM	6	0	23.11	23.12	23.17	24.50	
		1	0	23.18	22.99	23.13	24.50	
		1	2	22.99	23.58	23.21	24.50	
		1	5	23.53	23.27	23.37	24.50	
		3	0	23.11	23.13	23.00	24.50	
		3	2	23.12	22.98	23.12	24.50	
	64QAM	3	3	23.16	23.09	23.10	24.50	
		6	0	22.19	22.13	22.17	23.50	
		1	0	22.05	22.53	22.77	23.50	
		1	2	22.59	22.57	22.57	23.50	
		1	5	22.55	22.32	22.23	23.50	
		3	0	22.03	22.51	22.77	23.50	
	3MHz	QPSK	3	2	22.57	22.59	22.57	23.50
			3	3	22.53	22.30	22.28	23.50
			6	0	21.29	21.31	21.21	22.50
1			0	24.09	23.98	24.17	25.50	
1			7	24.21	24.15	24.21	25.50	
1			14	23.91	24.16	24.09	25.50	
16QAM		8	0	23.14	23.16	23.32	24.50	
		8	4	23.18	23.13	23.23	24.50	
		8	7	23.12	23.16	23.12	24.50	
		15	0	23.15	23.20	23.22	24.50	
	1	0	23.19	23.19	23.32	24.50		
	1	7	23.37	23.49	23.38	24.50		
64QAM	1	14	23.22	23.28	23.18	24.50		
	8	0	22.24	22.21	22.34	23.50		
	8	4	22.28	22.33	22.30	23.50		
	8	7	22.18	22.15	22.30	23.50		
	15	0	22.15	22.19	22.47	23.50		
	1	0	22.04	22.56	22.76	23.50		
	1	7	22.56	22.57	22.62	23.50		
	1	14	22.52	22.31	22.24	23.50		
3MHz	64QAM	8	0	21.28	21.20	21.25	22.50	
		8	4	21.22	21.22	21.18	22.50	
		8	7	21.15	21.08	21.31	22.50	
		15	0	21.29	21.35	21.24	22.50	



Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				20425	20525	20625		
5MHz	QPSK	1	0	24.13	24.18	24.18	25.50	
		1	13	24.12	24.21	24.25	25.50	
		1	24	23.92	24.22	24.14	25.50	
		12	0	23.13	23.18	23.17	24.50	
		12	6	23.23	23.22	23.29	24.50	
		12	13	23.13	23.10	23.31	24.50	
	16QAM	25	0	23.17	23.21	23.28	24.50	
		1	0	23.58	23.31	23.57	24.50	
		1	13	23.31	23.70	23.08	24.50	
		1	24	23.01	23.31	23.19	24.50	
		12	0	22.28	22.27	22.30	23.50	
		12	6	22.28	22.30	22.30	23.50	
	64QAM	12	13	22.22	22.20	22.20	23.50	
		25	0	22.31	22.14	22.28	23.50	
		1	0	22.04	22.51	22.75	23.50	
		1	13	22.56	22.57	22.59	23.50	
		1	24	22.52	22.32	22.25	23.50	
		12	0	21.25	21.20	21.28	22.50	
	10MHz	QPSK	12	6	21.19	21.23	21.17	22.50
			12	13	21.16	21.10	21.29	22.50
			25	0	21.26	21.30	21.23	22.50
1			0	24.24	24.25	24.22	25.50	
1			25	24.24	24.12	24.26	25.50	
1			49	24.15	24.15	24.21	25.50	
25			0	23.14	23.31	23.26	24.50	
16QAM	25	13	23.14	23.27	23.26	24.50		
	25	25	23.10	23.22	23.34	24.50		
	50	0	23.19	23.24	23.19	24.50		
	1	0	23.05	23.56	23.77	24.50		
	1	25	23.60	23.61	23.62	24.50		
	1	49	23.56	23.35	23.28	24.50		
	25	0	22.28	22.25	22.30	23.50		
64QAM	25	13	22.23	22.26	22.19	23.50		
	25	25	22.19	22.13	22.32	23.50		
	50	0	22.30	22.35	22.25	23.50		
	1	0	22.03	22.55	22.75	23.50		
	1	25	22.58	22.56	22.62	23.50		
	1	49	22.54	22.34	22.24	23.50		
	25	0	21.28	21.25	21.25	22.50		
10MHz	64QAM	25	13	21.21	21.21	21.14	22.50	
		25	25	21.15	21.12	21.32	22.50	
		50	0	21.28	21.34	21.24	22.50	



LTE Band 12 Receiver on&Hotspot on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23017	23095	23173	
1.4MHz	QPSK	1	0	21.61	21.56	21.42	22.50
		1	2	21.63	21.69	21.57	22.50
		1	5	21.49	21.52	21.45	22.50
		3	0	21.58	21.63	21.44	22.50
		3	2	21.66	21.55	21.56	22.50
		3	3	21.59	21.54	21.47	22.50
		6	0	21.62	21.51	21.54	22.50
	16QAM	1	0	21.84	21.88	21.60	22.50
		1	2	21.83	21.75	21.71	22.50
		1	5	21.78	21.85	21.88	22.50
		3	0	21.77	21.78	21.79	22.50
		3	2	21.80	21.68	21.84	22.50
		3	3	21.75	21.70	21.64	22.50
		6	0	21.73	21.66	21.67	22.50
	64QAM	1	0	21.79	21.81	21.54	22.50
		1	2	21.84	21.72	21.69	22.50
		1	5	21.71	21.81	21.84	22.50
		3	0	20.74	20.73	20.78	22.50
		3	2	20.73	20.65	20.81	22.50
		3	3	20.74	20.69	20.61	22.50
		6	0	20.70	20.66	20.62	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
3MHz	QPSK	1	0	21.54	21.60	21.54	22.50
		1	7	21.53	21.74	21.57	22.50
		1	14	21.52	21.55	21.46	22.50
		8	0	21.70	21.63	21.58	22.50
		8	4	21.70	21.62	21.55	22.50
		8	7	21.63	21.66	21.57	22.50
		15	0	21.64	21.72	21.48	22.50
	16QAM	1	0	21.84	21.88	21.56	22.50
		1	7	21.86	21.76	21.71	22.50
		1	14	21.74	21.86	21.89	22.50
		8	0	21.74	21.75	21.81	22.50
		8	4	21.77	21.69	21.88	22.50
		8	7	21.73	21.69	21.62	22.50
		15	0	21.77	21.65	21.69	22.50
	64QAM	1	0	21.79	21.86	21.55	22.50
		1	7	21.81	21.72	21.70	22.50
		1	14	21.73	21.82	21.84	22.50
		8	0	20.75	20.78	20.75	22.00
		8	4	20.76	20.68	20.81	22.00
		8	7	20.75	20.68	20.62	22.00
		15	0	20.70	20.67	20.60	22.00



Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				23035	23095	23155		
5MHz	QPSK	1	0	21.55	21.60	21.63	22.50	
		1	13	21.62	21.72	21.61	22.50	
		1	24	21.55	21.64	21.70	22.50	
		12	0	21.71	21.62	21.58	22.50	
		12	6	21.63	21.68	21.70	22.50	
		12	13	21.63	21.69	21.57	22.50	
	16QAM	25	0	21.74	21.67	21.68	22.50	
		1	0	21.84	21.85	21.57	22.50	
		1	13	21.82	21.75	21.75	22.50	
		1	24	21.74	21.85	21.84	22.50	
		12	0	21.76	21.76	21.83	22.50	
		12	6	21.79	21.65	21.84	22.50	
	64QAM	12	13	21.76	21.68	21.65	22.50	
		25	0	21.75	21.70	21.69	22.50	
		1	0	21.81	21.84	21.52	22.50	
		1	13	21.84	21.68	21.71	22.50	
		1	24	21.72	21.84	21.85	22.50	
		12	0	20.75	20.78	20.79	22.00	
	10MHz	QPSK	12	6	20.74	20.67	20.82	22.00
			12	13	20.75	20.66	20.66	22.00
			25	0	20.74	20.65	20.59	22.00
1			0	21.84	21.80	21.60	22.50	
1			25	21.87	21.47	21.97	22.50	
1			49	21.96	21.83	21.79	22.50	
16QAM		25	0	21.70	21.68	21.75	22.50	
		25	13	21.73	21.68	21.64	22.50	
		25	25	21.71	21.61	21.74	22.50	
		50	0	21.73	21.66	21.62	22.50	
		1	0	21.88	21.88	21.61	22.50	
		1	25	21.87	21.78	21.76	22.50	
64QAM	1	49	21.79	21.87	21.89	22.50		
	25	0	21.79	21.80	21.84	22.50		
	25	13	21.80	21.70	21.88	22.50		
	25	25	21.78	21.71	21.66	22.50		
	50	0	21.77	21.70	21.69	22.50		
	1	0	21.83	21.86	21.57	22.50		
64QAM	1	25	21.86	21.73	21.71	22.50		
	1	49	21.74	21.86	21.86	22.50		
	25	0	20.79	20.78	20.80	22.00		
	25	13	20.78	20.69	20.85	22.00		
	25	25	20.76	20.71	20.66	22.00		
	50	0	20.75	20.68	20.64	22.00		



LTE Band 12 Receiver off&Hotspot off				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23017	23095	23173	
1.4MHz	QPSK	1	0	24.15	24.04	23.90	25.00
		1	2	24.16	24.10	24.01	25.00
		1	5	24.04	24.07	24.31	25.00
		3	0	24.05	23.97	24.22	25.00
		3	2	24.18	24.08	24.03	25.00
		3	3	24.01	24.09	24.02	25.00
		6	0	23.14	23.15	23.09	24.00
	16QAM	1	0	23.23	23.05	23.19	24.00
		1	2	23.41	23.21	22.96	24.00
		1	5	23.37	23.35	23.11	24.00
		3	0	22.96	23.07	22.84	24.00
		3	2	23.21	22.99	23.00	24.00
		3	3	23.11	23.03	22.85	24.00
		6	0	22.21	22.21	22.11	23.00
	64QAM	1	0	22.22	22.00	22.15	23.00
		1	2	22.39	22.17	21.92	23.00
		1	5	22.32	22.30	22.07	23.00
		3	0	21.96	22.07	21.80	23.00
		3	2	22.16	21.99	21.96	23.00
		3	3	22.07	22.02	21.85	23.00
		6	0	21.20	21.20	21.11	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
3MHz	QPSK	1	0	24.10	24.11	24.14	25.00
		1	7	24.22	24.23	24.04	25.00
		1	14	24.04	24.30	24.16	25.00
		8	0	23.21	23.05	23.05	24.00
		8	4	23.19	23.15	23.37	24.00
		8	7	23.08	23.14	23.16	24.00
		15	0	23.26	23.24	22.91	24.00
	16QAM	1	0	23.06	23.42	23.48	24.00
		1	7	23.54	23.27	23.16	24.00
		1	14	23.21	23.52	23.22	24.00
		8	0	22.29	22.10	22.15	23.00
		8	4	22.26	22.29	22.05	23.00
		8	7	22.23	22.31	22.07	23.00
		15	0	22.22	22.21	22.04	23.00
	64QAM	1	0	22.04	22.42	22.48	23.00
		1	7	22.51	22.23	22.12	23.00
		1	14	22.20	22.48	22.22	23.00
		8	0	21.24	21.06	21.13	22.00
		8	4	21.25	21.25	21.01	22.00
		8	7	21.23	21.31	21.07	22.00
		15	0	21.21	21.17	21.04	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
3MHz	QPSK	1	0	24.10	24.11	24.14	25.00
		1	7	24.22	24.23	24.04	25.00
		1	14	24.04	24.30	24.16	25.00
		8	0	23.21	23.05	23.05	24.00
		8	4	23.19	23.15	23.37	24.00
		8	7	23.08	23.14	23.16	24.00
		15	0	23.26	23.24	22.91	24.00
	16QAM	1	0	23.06	23.42	23.48	24.00
		1	7	23.54	23.27	23.16	24.00
		1	14	23.21	23.52	23.22	24.00
		8	0	22.29	22.10	22.15	23.00
		8	4	22.26	22.29	22.05	23.00
		8	7	22.23	22.31	22.07	23.00
		15	0	22.22	22.21	22.04	23.00
	64QAM	1	0	22.04	22.42	22.48	23.00
		1	7	22.51	22.23	22.12	23.00
		1	14	22.20	22.48	22.22	23.00
		8	0	21.24	21.06	21.13	22.00
		8	4	21.25	21.25	21.01	22.00
		8	7	21.23	21.31	21.07	22.00
		15	0	21.21	21.17	21.04	22.00



Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				23035	23095	23155		
5MHz	QPSK	1	0	24.14	24.12	24.22	25.00	
		1	13	24.14	24.22	24.06	25.00	
		1	24	24.09	24.14	23.95	25.00	
		12	0	23.22	23.18	23.15	24.00	
		12	6	23.15	23.19	23.15	24.00	
		12	13	23.13	23.31	23.03	24.00	
	16QAM	25	0	23.28	23.32	23.17	24.00	
		1	0	23.44	23.26	23.14	24.00	
		1	13	23.23	23.34	23.55	24.00	
		1	24	23.53	23.14	23.15	24.00	
		12	0	22.27	22.24	22.13	23.00	
		12	6	22.11	22.24	22.15	23.00	
	64QAM	12	13	22.08	22.21	22.13	23.00	
		25	0	22.27	22.17	22.20	23.00	
		1	0	22.06	22.39	22.46	23.00	
		1	13	22.49	22.27	22.12	23.00	
		1	24	22.20	22.48	22.19	23.00	
		12	0	21.25	21.08	21.12	22.00	
	10MHz	QPSK	12	6	21.21	21.26	21.02	22.00
			12	13	21.21	21.26	21.02	22.00
			25	0	21.17	21.20	21.03	22.00
1			0	24.18	24.12	24.28	25.00	
1			25	24.32	24.15	24.00	25.00	
1			49	24.17	24.28	24.13	25.00	
16QAM		25	0	23.33	23.32	23.20	24.00	
		25	13	23.31	23.23	23.24	24.00	
		25	25	23.29	23.23	23.27	24.00	
		50	0	23.20	23.16	23.20	24.00	
		1	0	23.02	23.44	23.22	24.00	
		1	25	23.60	23.60	23.28	24.00	
64QAM	1	49	23.61	22.99	23.45	24.00		
	25	0	22.31	22.20	22.24	23.00		
	25	13	22.34	22.32	22.18	23.00		
	25	25	22.35	22.26	22.30	23.00		
	50	0	22.30	22.36	22.23	23.00		
	1	0	22.06	22.39	22.43	23.00		
16QAM	1	25	22.49	22.26	22.16	23.00		
	1	49	22.16	22.47	22.22	23.00		
	25	0	21.25	21.06	21.14	22.00		
	25	13	21.23	21.27	21.04	22.00		
	25	25	21.18	21.27	21.06	22.00		
	50	0	21.18	21.18	20.99	22.00		



LTE Band 17 Receiver on&Hotspot on				Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				23755	23790	23825		
5MHz	QPSK	1	0	22.21	22.19	22.08	23.00	
		1	13	22.19	22.12	22.26	23.00	
		1	24	22.20	22.08	22.11	23.00	
		12	0	22.19	22.16	22.14	23.00	
		12	6	22.15	22.22	22.18	23.00	
		12	13	22.24	22.13	22.16	23.00	
	16QAM	25	0	22.16	22.15	22.15	23.00	
		1	0	22.57	22.48	22.42	23.00	
		1	13	22.11	22.48	22.30	23.00	
		1	24	22.27	22.11	22.26	23.00	
		12	0	22.30	22.15	22.21	23.00	
		12	6	22.24	22.27	22.15	23.00	
	64QAM	12	13	22.23	22.29	22.05	23.00	
		25	0	22.32	22.32	22.24	23.00	
		1	0	22.55	22.43	22.41	23.00	
		1	13	22.06	22.44	22.25	23.00	
		1	24	22.27	22.06	22.25	23.00	
		12	0	21.26	21.10	21.17	22.00	
	10MHz	QPSK	12	6	21.24	21.23	21.11	22.00
			12	13	21.20	21.28	21.04	22.00
			25	0	21.30	21.30	21.22	22.00
1			0	22.18	22.21	22.05	23.00	
1			25	22.61	22.25	22.22	23.00	
1			49	22.24	22.23	21.96	23.00	
25			0	22.30	22.20	22.18	23.00	
16QAM		25	13	22.21	22.25	22.21	23.00	
		25	25	22.18	22.23	22.24	23.00	
		50	0	22.20	22.15	22.17	23.00	
		1	0	22.55	22.33	22.37	23.00	
		1	25	22.35	22.24	22.60	23.00	
		1	49	22.38	22.56	22.22	23.00	
		25	0	22.26	22.25	22.29	23.00	
64QAM		25	13	22.32	22.28	22.16	23.00	
		25	25	22.20	22.24	22.08	23.00	
		50	0	22.24	22.27	22.13	23.00	
		1	0	22.52	22.48	22.39	23.00	
		1	25	22.10	22.44	22.26	23.00	
		1	49	22.25	22.08	22.26	23.00	
		25	0	21.29	21.15	21.20	22.00	
64QAM	25	13	21.21	21.27	21.11	22.00		
	25	25	21.23	21.29	21.04	22.00		
	50	0	21.29	21.32	21.22	22.00		

LTE Band 17 Receiver off&Hotspot off				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23755	23790	23825	
5MHz	QPSK	1	0	24.23	24.13	24.07	25.00
		1	13	24.19	24.22	24.13	25.00
		1	24	24.03	24.01	24.25	25.00
		12	0	23.16	23.13	23.19	24.00
		12	6	23.24	23.19	23.17	24.00
		12	13	23.17	23.17	23.73	24.00
		25	0	23.22	23.31	23.19	24.00
	16QAM	1	0	23.18	23.25	23.77	24.00
		1	13	23.31	23.59	23.13	24.00
		1	24	23.58	23.13	23.31	24.00
		12	0	22.26	22.38	22.19	23.00
		12	6	22.24	22.15	22.18	23.00
		12	13	22.23	22.22	22.10	23.00
		25	0	22.31	22.24	22.15	23.00
	64QAM	1	0	22.16	22.21	22.73	23.00
		1	13	22.29	22.55	22.11	23.00
		1	24	22.54	22.13	22.27	23.00
		12	0	21.21	21.35	21.16	22.00
		12	6	21.21	21.11	21.17	22.00
		12	13	21.19	21.20	21.07	22.00
		25	0	21.30	21.19	21.11	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	24.04	24.19	24.01	25.00
		1	25	24.14	24.06	24.22	25.00
		1	49	24.26	24.28	24.18	25.00
		25	0	23.22	23.26	23.14	24.00
		25	13	23.26	23.23	23.19	24.00
		25	25	23.21	23.24	23.23	24.00
		50	0	23.31	23.30	23.15	24.00
	16QAM	1	0	23.26	23.44	22.97	24.00
		1	25	23.49	23.51	23.30	24.00
		1	49	23.50	23.21	23.47	24.00
		25	0	22.26	22.26	22.29	23.00
		25	13	22.30	22.36	22.34	23.00
		25	25	22.33	22.26	22.20	23.00
		50	0	22.29	22.26	22.30	23.00
	64QAM	1	0	22.16	22.21	22.75	23.00
		1	25	22.27	22.55	22.13	23.00
		1	49	22.54	22.12	22.29	23.00
		25	0	21.23	21.35	21.16	22.00
		25	13	21.23	21.13	21.14	22.00
		25	25	21.18	21.17	21.07	22.00
		50	0	21.31	21.24	21.11	22.00

Table 9 : Conducted Power of LTE

1.4 Conducted Power of Main Antenna (Ant5)

1.4.1 Conducted Power of GSM

GSM 1900 Receiver on&Hotspot on										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		512	661	810			512	661	810	
GSM(GMSK)	GSM	26.74	26.53	26.52	27.00	-9.19	17.55	17.34	17.33	17.81
GPRS/EGPRS (GMSK)	1 TX Slot	26.64	26.58	26.19	27.00	-9.19	17.45	17.39	17.00	17.81
	2 TX Slots	23.82	23.41	23.32	24.00	-6.18	17.64	17.23	17.14	17.82
	3 TX Slots	22.38	22.39	22.24	22.50	-4.42	17.96	17.97	17.82	18.08
	4 TX Slots	20.96	20.94	20.87	21.00	-3.17	17.79	17.77	17.70	17.83
EGPRS(8PSK)	1 TX Slot	22.25	22.14	22.03	23.50	-9.19	13.06	12.95	12.84	14.31
	2 TX Slots	18.85	18.76	18.70	20.50	-6.18	12.67	12.58	12.52	14.32
	3 TX Slots	17.23	17.22	17.04	19.00	-4.42	12.81	12.80	12.62	14.58
	4 TX Slots	15.69	15.65	15.60	17.50	-3.17	12.52	12.48	12.43	14.33
GSM 1900 Receiver off&Hotspot off										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		512	661	810			512	661	810	
GSM(GMSK)	GSM	30.02	30.21	30.35	31.00	-9.19	20.83	21.02	21.16	21.81
GPRS/EGPRS (GMSK)	1 TX Slot	30.05	30.25	30.30	31.00	-9.19	20.86	21.06	21.11	21.81
	2 TX Slots	27.02	26.98	26.88	28.00	-6.18	20.84	20.80	20.70	21.82
	3 TX Slots	25.19	25.27	25.35	26.50	-4.42	20.77	20.85	20.93	22.08
	4 TX Slots	23.91	23.36	23.64	25.00	-3.17	20.74	20.19	20.47	21.83
EGPRS(8PSK)	1 TX Slot	26.16	25.94	25.67	27.50	-9.19	16.97	16.75	16.48	18.31
	2 TX Slots	23.18	22.91	22.69	24.50	-6.18	17.00	16.73	16.51	18.32
	3 TX Slots	21.14	21.03	21.01	23.00	-4.42	16.72	16.61	16.59	18.58
	4 TX Slots	19.53	19.51	19.54	21.50	-3.17	16.36	16.34	16.37	18.33

Table 10 : Conducted Power of GSM



1.4.2 Conducted Power of WCDMA

WCDMA Band II Receiver on&Hotspot on					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	16.66	16.54	16.63	17.50
	12.2kbps AMR	16.60	16.51	16.59	17.50
HSDPA	Subtest 1	15.43	15.35	15.33	16.50
	Subtest 2	15.39	15.37	15.34	16.50
	Subtest 3	15.01	14.82	14.84	16.00
	Subtest 4	14.93	14.77	14.75	16.00
HSUPA	Subtest 1	15.46	15.32	15.27	16.50
	Subtest 2	13.46	13.25	13.27	14.50
	Subtest 3	14.44	14.33	14.25	15.50
	Subtest 4	13.47	13.25	13.28	14.50
	Subtest 5	15.49	15.33	15.25	16.50
DC-HSDPA	Subtest 1	15.51	15.32	15.35	16.50
	Subtest 2	15.46	15.29	15.29	16.50
	Subtest 3	14.91	14.81	14.76	16.00
	Subtest 4	14.96	14.74	14.82	16.00
HSPA+	16QAM	13.98	13.88	13.68	15.00

WCDMA Band II Receiver off&Hotspot off&Sensor off					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	24.14	24.15	24.19	25.00
	12.2kbps AMR	24.15	24.15	24.18	25.00
HSDPA	Subtest 1	23.14	23.06	23.10	24.00
	Subtest 2	23.11	23.08	23.05	24.00
	Subtest 3	22.73	22.57	22.61	23.50
	Subtest 4	22.72	22.54	22.54	23.50
HSUPA	Subtest 1	23.24	23.12	23.02	24.00
	Subtest 2	21.22	21.05	20.99	22.00
	Subtest 3	22.20	22.09	22.00	23.00
	Subtest 4	21.23	20.97	21.01	22.00
	Subtest 5	23.23	23.09	22.98	24.00
DC-HSDPA	Subtest 1	23.25	23.09	23.12	24.00
	Subtest 2	23.25	23.02	23.05	24.00
	Subtest 3	22.64	22.57	22.50	23.50
	Subtest 4	22.70	22.49	22.53	23.50
HSPA+	16QAM	21.89	21.68	21.45	22.50



WCDMA Band II Sensor on					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	21.15	21.19	21.30	22.00
	12.2kbps AMR	21.19	21.18	21.29	22.00
HSDPA	Subtest 1	20.13	20.02	20.04	21.00
	Subtest 2	20.10	20.05	20.00	21.00
	Subtest 3	19.70	19.57	19.55	20.50
	Subtest 4	19.63	19.48	19.47	20.50
HSUPA	Subtest 1	20.21	20.06	19.99	21.00
	Subtest 2	18.15	17.99	17.94	19.00
	Subtest 3	19.18	19.02	18.99	20.00
	Subtest 4	18.16	17.94	17.96	19.00
DC-HSDPA	Subtest 5	20.18	20.05	19.92	21.00
	Subtest 1	20.22	20.01	20.06	21.00
	Subtest 2	20.15	19.96	20.00	21.00
	Subtest 3	19.61	19.52	19.47	20.50
HSPA+	16QAM	19.66	19.42	19.50	20.50
HSPA+	16QAM	18.69	18.77	18.45	19.50

WCDMA Band IV Receiver on&Hotspot on					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	16.06	16.02	16.06	17.00
	12.2kbps AMR	16.06	15.91	16.05	17.00
HSDPA	Subtest 1	14.99	14.92	14.94	16.00
	Subtest 2	14.98	14.94	14.92	16.00
	Subtest 3	14.56	14.47	14.45	15.50
	Subtest 4	14.54	14.38	14.38	15.50
HSUPA	Subtest 1	15.08	14.96	14.89	16.00
	Subtest 2	13.07	12.88	12.86	14.00
	Subtest 3	14.06	13.95	13.86	15.00
	Subtest 4	13.07	12.86	12.85	14.00
	Subtest 5	15.10	14.95	14.84	16.00
DC-HSDPA	Subtest 1	15.10	14.93	14.92	16.00
	Subtest 2	15.07	14.84	14.90	16.00
	Subtest 3	14.54	14.42	14.39	15.50
	Subtest 4	14.53	14.32	14.41	15.50
HSPA+	16QAM	13.56	13.35	13.26	14.50



WCDMA Band IV Receiver off&Hotspot off&Sensor off					
Average Conducted Power(dBm)					
Channel	1312	1412	1513	Tune up	
WCDMA	12.2kbps RMC	24.15	24.08	23.96	25.00
	12.2kbps AMR	24.14	24.04	23.95	25.00
HSDPA	Subtest 1	23.16	23.10	23.07	24.00
	Subtest 2	23.13	23.08	23.06	24.00
	Subtest 3	22.75	22.59	22.57	23.50
	Subtest 4	22.72	22.50	22.54	23.50
HSUPA	Subtest 1	23.23	23.11	23.05	24.00
	Subtest 2	21.20	21.02	21.01	22.00
	Subtest 3	22.18	22.06	22.02	23.00
	Subtest 4	21.23	21.01	21.01	22.00
DC-HSDPA	Subtest 1	23.21	23.06	22.97	24.00
	Subtest 2	23.24	23.06	23.10	24.00
	Subtest 3	23.23	23.00	23.02	24.00
	Subtest 4	22.66	22.54	22.50	23.50
HSPA+	16QAM	22.68	22.48	22.56	23.50
HSPA+	16QAM	21.67	21.36	21.88	22.50

WCDMA Band IV Sensor on					
Average Conducted Power(dBm)					
Channel	1312	1412	1513	Tune up	
WCDMA	12.2kbps RMC	22.17	22.06	22.19	23.00
	12.2kbps AMR	22.15	22.05	22.17	23.00
HSDPA	Subtest 1	21.12	21.05	21.01	22.00
	Subtest 2	21.06	21.02	21.04	22.00
	Subtest 3	20.66	20.56	20.53	21.50
	Subtest 4	20.62	20.47	20.47	21.50
HSUPA	Subtest 1	21.21	21.07	20.97	22.00
	Subtest 2	19.18	18.99	18.99	20.00
	Subtest 3	20.13	20.04	19.95	21.00
	Subtest 4	19.16	18.94	18.99	20.00
	Subtest 5	21.15	21.03	20.95	22.00
DC-HSDPA	Subtest 1	21.22	21.02	21.04	22.00
	Subtest 2	21.17	20.99	20.99	22.00
	Subtest 3	20.59	20.47	20.49	21.50
	Subtest 4	20.67	20.46	20.51	21.50
HSPA+	16QAM	20.67	20.46	20.51	21.50
HSPA+	16QAM	19.78	19.72	19.35	20.50

Table 11 : Conducted Power of WCDMA



1.4.3 Conducted Power of LTE

LTE Band 2 Receiver on&Hotspot on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	16.85	16.98	16.88	18.00
		1	2	17.06	17.07	17.16	18.00
		1	5	17.03	17.09	16.98	18.00
		3	0	16.82	17.00	16.99	18.00
		3	2	16.98	16.94	16.99	18.00
		3	3	16.95	17.02	16.96	18.00
		6	0	16.90	17.05	17.08	18.00
	16QAM	1	0	17.06	17.01	17.02	18.00
		1	2	17.05	16.98	16.92	18.00
		1	5	17.06	17.01	17.08	18.00
		3	0	17.07	16.94	17.06	18.00
		3	2	17.06	17.02	17.08	18.00
		3	3	16.96	17.10	16.95	18.00
		6	0	17.03	17.06	17.12	18.00
	64QAM	1	0	17.06	17.02	16.97	18.00
		1	2	17.00	16.99	16.91	18.00
		1	5	17.06	17.00	17.02	18.00
		3	0	17.03	16.94	17.06	18.00
		3	2	17.07	17.00	17.07	18.00
		3	3	16.95	17.06	16.92	18.00
		6	0	16.98	16.99	17.08	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
3MHz	QPSK	1	0	16.85	17.04	16.91	18.00
		1	7	17.06	17.12	17.12	18.00
		1	14	17.13	17.04	17.15	18.00
		8	0	16.80	17.00	17.08	18.00
		8	4	17.09	17.00	17.06	18.00
		8	7	17.01	17.11	16.92	18.00
		15	0	16.85	17.10	17.04	18.00
	16QAM	1	0	17.08	17.06	17.00	18.00
		1	7	17.08	17.00	16.93	18.00
		1	14	17.06	17.03	17.07	18.00
		8	0	17.07	16.92	17.04	18.00
		8	4	17.05	17.04	17.10	18.00
		8	7	16.96	17.07	16.93	18.00
		15	0	17.04	17.06	17.12	18.00
	64QAM	1	0	17.02	17.04	16.96	18.00
		1	7	17.05	17.00	16.87	18.00
		1	14	17.05	16.97	17.05	18.00
		8	0	17.01	16.92	17.07	18.00
		8	4	17.04	17.02	17.06	18.00
		8	7	16.95	17.05	16.90	18.00
		15	0	17.02	17.00	17.09	18.00



Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	16.94	16.91	17.07	18.00
		1	13	16.96	16.92	16.93	18.00
		1	24	16.85	17.06	17.14	18.00
		12	0	17.05	17.18	17.04	18.00
		12	6	16.90	17.11	17.08	18.00
		12	13	17.00	17.04	17.08	18.00
		25	0	16.85	17.01	16.99	18.00
	16QAM	1	0	17.05	17.04	16.98	18.00
		1	13	17.08	16.99	16.90	18.00
		1	24	17.05	17.02	17.06	18.00
		12	0	17.09	16.94	17.08	18.00
		12	6	17.02	17.00	17.09	18.00
		12	13	17.00	17.10	16.93	18.00
		25	0	17.04	17.09	17.12	18.00
	64QAM	1	0	17.01	17.03	16.98	18.00
		1	13	17.02	16.96	16.90	18.00
		1	24	17.01	16.97	17.01	18.00
		12	0	17.05	16.94	17.04	18.00
		12	6	17.07	17.02	17.05	18.00
		12	13	16.97	17.08	16.90	18.00
		25	0	17.02	17.04	17.10	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	17.11	17.13	17.11	18.00
		1	25	16.96	17.03	17.05	18.00
		1	49	16.84	17.12	17.07	18.00
		25	0	16.88	16.95	17.03	18.00
		25	13	16.94	17.09	17.08	18.00
		25	25	16.86	17.13	17.00	18.00
		50	0	16.93	17.14	17.06	18.00
	16QAM	1	0	17.04	17.02	17.02	18.00
		1	25	17.06	17.00	16.92	18.00
		1	49	17.06	17.03	17.08	18.00
		25	0	17.10	16.96	17.07	18.00
		25	13	17.02	17.04	17.13	18.00
		25	25	16.97	17.07	16.95	18.00
		50	0	17.03	17.06	17.14	18.00
	64QAM	1	0	17.02	17.02	16.95	18.00
		1	25	17.00	16.98	16.89	18.00
		1	49	17.05	17.00	17.04	18.00
		25	0	17.01	16.91	17.04	18.00
		25	13	17.03	16.97	17.09	18.00
		25	25	16.99	17.05	16.89	18.00
		50	0	17.00	17.04	17.09	18.00



Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	17.14	16.92	17.14	18.00
		1	38	16.83	16.97	17.07	18.00
		1	74	17.05	17.01	17.11	18.00
		36	0	16.82	17.08	17.00	18.00
		36	18	16.80	17.12	17.11	18.00
		36	39	16.84	17.02	16.96	18.00
		75	0	16.80	17.06	16.98	18.00
	16QAM	1	0	17.06	17.04	17.01	18.00
		1	38	17.09	16.97	16.91	18.00
		1	74	17.07	17.05	17.07	18.00
		36	0	17.09	16.97	17.04	18.00
		36	18	17.07	17.00	17.09	18.00
		36	39	17.00	17.09	16.97	18.00
		75	0	17.05	17.08	17.12	18.00
	64QAM	1	0	17.01	17.00	16.95	18.00
		1	38	17.03	16.99	16.89	18.00
		1	74	17.01	16.98	17.04	18.00
		36	0	17.05	16.93	17.05	18.00
		36	18	17.03	16.98	17.08	18.00
		36	39	16.95	17.10	16.93	18.00
		75	0	16.99	17.04	17.10	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	17.14	17.19	17.19	18.00
		1	50	17.12	17.14	17.05	18.00
		1	99	17.07	17.18	16.89	18.00
		50	0	16.95	17.15	17.05	18.00
		50	25	16.93	17.07	16.97	18.00
		50	50	16.94	16.98	17.01	18.00
		100	0	17.03	17.16	16.98	18.00
	16QAM	1	0	17.09	17.06	17.03	18.00
		1	50	17.09	17.01	16.93	18.00
		1	99	17.09	17.05	17.09	18.00
		50	0	17.10	16.97	17.09	18.00
		50	25	17.07	17.05	17.13	18.00
		50	50	17.00	17.10	16.98	18.00
		100	0	17.05	17.09	17.14	18.00
	64QAM	1	0	17.06	17.04	16.98	18.00
		1	50	17.05	17.00	16.92	18.00
		1	99	17.06	17.02	17.05	18.00
		50	0	17.05	16.96	17.09	18.00
		50	25	17.07	17.02	17.10	18.00
		50	50	16.99	17.10	16.94	18.00
		100	0	17.02	17.04	17.11	18.00



LTE Band 2 Receiver off&Hotspot offp&Sensor off				Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				18607	18900	19193		
1.4MHz	QPSK	1	0	24.07	24.41	24.49	25.50	
		1	2	24.42	24.44	24.51	25.50	
		1	5	24.49	24.53	24.28	25.50	
		3	0	24.31	24.47	24.50	25.50	
		3	2	24.39	24.50	24.45	25.50	
		3	3	24.37	24.51	24.44	25.50	
	16QAM	6	0	23.33	23.58	23.40	24.50	
		1	0	23.20	23.65	23.48	24.50	
		1	2	23.45	23.82	23.63	24.50	
		1	5	23.33	23.77	23.52	24.50	
		3	0	23.40	23.54	23.54	24.50	
		3	2	23.35	23.72	23.53	24.50	
	64QAM	3	3	23.36	23.75	23.47	24.50	
		6	0	22.35	22.68	22.54	23.50	
		1	0	22.20	22.61	22.46	23.50	
		1	2	22.45	22.77	22.60	23.50	
		1	5	22.32	22.73	22.49	23.50	
		3	0	22.37	22.50	22.52	23.50	
	3MHz	QPSK	3	2	22.31	22.68	22.49	23.50
			3	3	22.36	22.70	22.45	23.50
			6	0	21.34	21.64	21.50	22.50
1			0	24.18	24.44	24.49	25.50	
1			7	24.54	24.50	24.50	25.50	
1			14	24.49	24.55	24.36	25.50	
16QAM		8	0	23.36	23.53	23.51	24.50	
		8	4	23.41	23.66	23.48	24.50	
		8	7	23.43	23.62	23.52	24.50	
		15	0	23.41	23.59	23.51	24.50	
		1	0	23.11	23.65	23.48	24.50	
		1	7	23.52	23.79	23.68	24.50	
		1	14	23.43	23.73	23.54	24.50	
64QAM		8	0	22.38	22.66	22.61	23.50	
		8	4	22.36	22.72	22.59	23.50	
	8	7	22.44	22.75	22.52	23.50		
	15	0	22.45	22.70	22.59	23.50		
	1	0	22.06	22.60	22.43	23.50		
	1	7	22.50	22.78	22.66	23.50		
	1	14	22.38	22.72	22.51	23.50		
	8	0	21.38	21.65	21.56	22.50		
8	4	21.34	21.70	21.56	22.50			
8	7	21.43	21.72	21.48	22.50			
15	0	21.41	21.67	21.54	22.50			



Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				18625	18900	19175		
5MHz	QPSK	1	0	24.37	24.51	24.52	25.50	
		1	13	24.37	24.51	24.52	25.50	
		1	24	24.35	24.49	24.43	25.50	
		12	0	23.47	23.62	23.58	24.50	
		12	6	23.61	23.61	23.56	24.50	
		12	13	23.54	23.57	23.49	24.50	
	16QAM	25	0	24.41	24.45	24.50	24.50	
		1	0	23.13	23.86	23.53	24.50	
		1	13	23.60	23.62	23.66	24.50	
		1	24	23.44	23.92	23.80	24.50	
		12	0	22.66	22.65	22.60	23.50	
		12	6	22.48	22.66	22.47	23.50	
	64QAM	12	13	22.55	22.68	22.50	23.50	
		25	0	22.31	22.76	22.50	23.50	
		1	0	22.07	22.65	22.44	23.50	
		1	13	22.51	22.75	22.66	23.50	
		1	24	22.40	22.70	22.49	23.50	
		12	0	21.34	21.63	21.58	22.50	
	10MHz	QPSK	12	6	21.35	21.71	21.58	22.50
			12	13	21.41	21.73	21.47	22.50
			25	0	21.44	21.68	21.56	22.50
1			0	24.38	24.56	24.50	25.50	
1			25	24.52	24.45	24.43	25.50	
1			49	24.53	24.47	24.50	25.50	
16QAM		25	0	23.64	23.59	23.61	24.50	
		25	13	23.60	23.57	23.57	24.50	
		25	25	23.52	23.67	23.57	24.50	
		50	0	23.43	23.71	23.45	24.50	
		1	0	23.47	24.12	23.79	24.50	
		1	25	23.68	23.88	23.38	24.50	
64QAM	1	49	23.78	23.72	23.18	24.50		
	25	0	22.54	22.66	22.56	23.50		
	25	13	22.60	22.71	22.69	23.50		
	25	25	22.41	22.66	22.68	23.50		
	50	0	22.49	22.62	22.63	23.50		
	1	0	22.07	22.65	22.44	23.50		
64QAM	1	25	22.48	22.74	22.64	23.50		
	1	49	22.43	22.72	22.49	23.50		
	25	0	21.34	21.62	21.58	22.50		
	25	13	21.36	21.69	21.55	22.50		
	25	25	21.40	21.74	21.48	22.50		
	50	0	21.41	21.67	21.57	22.50		



Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	24.38	24.49	24.50	25.50
		1	38	24.51	24.49	24.50	25.50
		1	74	24.28	24.55	24.43	25.50
		36	0	23.54	23.51	23.59	24.50
		36	18	23.61	23.74	23.57	24.50
		36	39	23.45	23.67	23.52	24.50
		75	0	23.57	23.62	23.48	24.50
	16QAM	1	0	23.27	23.96	23.40	24.50
		1	38	23.56	23.71	24.08	24.50
		1	74	23.84	23.88	23.49	24.50
		36	0	22.58	22.77	22.62	23.50
		36	18	22.55	22.79	22.57	23.50
		36	39	22.50	22.70	22.63	23.50
		75	0	22.52	22.73	22.61	23.50
	64QAM	1	0	22.11	22.64	22.43	23.50
		1	38	22.47	22.78	22.67	23.50
		1	74	22.38	22.68	22.53	23.50
		36	0	21.33	21.64	21.59	22.50
		36	18	21.33	21.69	21.54	22.50
		36	39	21.42	21.75	21.51	22.50
		75	0	21.44	21.70	21.59	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	24.42	24.58	24.58	25.50
		1	50	24.39	24.48	24.45	25.50
		1	99	24.32	24.52	24.14	25.50
		50	0	23.40	23.51	23.54	24.50
		50	25	23.54	23.55	23.60	24.50
		50	50	23.39	23.65	23.46	24.50
		100	0	23.38	23.59	23.46	24.50
	16QAM	1	0	23.13	23.80	23.69	24.50
		1	50	23.71	23.51	23.61	24.50
		1	99	23.71	23.78	23.53	24.50
		50	0	22.57	22.65	22.63	23.50
		50	25	22.38	22.71	22.66	23.50
		50	50	22.50	22.56	22.57	23.50
		100	0	22.43	22.60	22.61	23.50
	64QAM	1	0	22.10	22.65	22.43	23.50
		1	50	22.47	22.79	22.65	23.50
		1	99	22.39	22.69	22.51	23.50
		50	0	21.37	21.62	21.59	22.50
		50	25	21.36	21.67	21.59	22.50
		50	50	21.39	21.73	21.47	22.50
		100	0	21.44	21.68	21.59	22.50



LTE Band 2 Sensor on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	20.79	21.18	21.07	22.00
		1	2	20.91	20.81	21.09	22.00
		1	5	20.74	21.02	20.96	22.00
		3	0	20.72	20.82	20.85	22.00
		3	2	20.84	21.02	20.91	22.00
		3	3	20.81	20.94	20.91	22.00
		6	0	20.89	21.09	21.00	22.00
	16QAM	1	0	21.13	21.18	21.09	22.00
		1	2	20.91	21.11	21.11	22.00
		1	5	21.20	21.07	20.97	22.00
		3	0	21.13	21.12	21.12	22.00
		3	2	21.05	21.11	20.98	22.00
		3	3	21.06	21.07	21.18	22.00
		6	0	21.04	21.13	20.95	22.00
	64QAM	1	0	21.09	21.08	21.05	22.00
		1	2	20.94	21.06	21.09	22.00
		1	5	21.21	21.05	20.97	22.00
		3	0	21.11	21.05	21.08	22.00
		3	2	21.02	21.11	21.00	22.00
		3	3	21.00	21.08	21.12	22.00
		6	0	21.07	21.12	20.95	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
3MHz	QPSK	1	0	20.71	21.20	21.20	22.00
		1	7	20.85	20.88	21.20	22.00
		1	14	21.13	21.10	20.97	22.00
		8	0	20.93	21.00	21.07	22.00
		8	4	20.77	21.05	21.06	22.00
		8	7	20.74	20.95	21.01	22.00
		15	0	20.91	21.17	21.03	22.00
	16QAM	1	0	21.12	21.15	21.12	22.00
		1	7	20.96	21.14	21.10	22.00
		1	14	21.17	21.09	20.98	22.00
		8	0	21.15	21.09	21.13	22.00
		8	4	21.02	21.11	20.97	22.00
		8	7	21.06	21.08	21.15	22.00
		15	0	21.06	21.13	20.99	22.00
	64QAM	1	0	21.08	21.11	21.07	22.00
		1	7	20.95	21.08	21.06	22.00
		1	14	21.21	21.05	20.94	22.00
		8	0	21.07	21.07	21.07	22.00
		8	4	21.00	21.08	20.97	22.00
		8	7	21.03	21.09	21.16	22.00
		15	0	21.03	21.13	20.98	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
3MHz	QPSK	1	0	20.71	21.20	21.20	22.00
		1	7	20.85	20.88	21.20	22.00
		1	14	21.13	21.10	20.97	22.00
		8	0	20.93	21.00	21.07	22.00
		8	4	20.77	21.05	21.06	22.00
		8	7	20.74	20.95	21.01	22.00
		15	0	20.91	21.17	21.03	22.00
	16QAM	1	0	21.12	21.15	21.12	22.00
		1	7	20.96	21.14	21.10	22.00
		1	14	21.17	21.09	20.98	22.00
		8	0	21.15	21.09	21.13	22.00
		8	4	21.02	21.11	20.97	22.00
		8	7	21.06	21.08	21.15	22.00
		15	0	21.06	21.13	20.99	22.00
	64QAM	1	0	21.08	21.11	21.07	22.00
		1	7	20.95	21.08	21.06	22.00
		1	14	21.21	21.05	20.94	22.00
		8	0	21.07	21.07	21.07	22.00
		8	4	21.00	21.08	20.97	22.00
		8	7	21.03	21.09	21.16	22.00
		15	0	21.03	21.13	20.98	22.00



Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	20.87	21.14	21.10	22.00
		1	13	20.89	20.83	21.04	22.00
		1	24	20.75	21.07	21.03	22.00
		12	0	20.86	20.85	20.93	22.00
		12	6	20.81	21.02	21.01	22.00
		12	13	20.84	20.98	21.00	22.00
		25	0	20.91	21.10	21.01	22.00
	16QAM	1	0	21.12	21.18	21.10	22.00
		1	13	20.95	21.11	21.10	22.00
		1	24	21.18	21.12	21.01	22.00
		12	0	21.13	21.07	21.11	22.00
		12	6	21.02	21.13	20.97	22.00
		12	13	21.05	21.09	21.14	22.00
		25	0	21.06	21.16	21.00	22.00
	64QAM	1	0	21.08	21.12	21.08	22.00
		1	13	20.95	21.08	21.06	22.00
		1	24	21.16	21.07	20.96	22.00
		12	0	21.08	21.02	21.04	22.00
		12	6	20.97	21.08	20.99	22.00
		12	13	20.99	21.06	21.16	22.00
		25	0	21.07	21.13	20.97	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	20.72	21.10	21.11	22.00
		1	25	20.80	20.91	21.08	22.00
		1	49	21.05	21.05	21.12	22.00
		25	0	20.98	21.06	21.07	22.00
		25	13	20.84	21.01	21.07	22.00
		25	25	20.81	21.00	21.04	22.00
		50	0	20.98	21.20	21.00	22.00
	16QAM	1	0	21.10	21.18	21.14	22.00
		1	25	20.95	21.09	21.06	22.00
		1	49	21.18	21.12	21.01	22.00
		25	0	21.16	21.09	21.10	22.00
		25	13	21.03	21.10	20.97	22.00
		25	25	21.03	21.07	21.15	22.00
		50	0	21.03	21.16	20.96	22.00
	64QAM	1	0	21.12	21.08	21.06	22.00
		1	25	20.94	21.06	21.09	22.00
		1	49	21.17	21.07	20.97	22.00
		25	0	21.08	21.04	21.07	22.00
		25	13	20.98	21.10	20.97	22.00
		25	25	21.03	21.07	21.15	22.00
		50	0	21.05	21.12	20.97	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	20.72	21.10	21.11	22.00
		1	25	20.80	20.91	21.08	22.00
		1	49	21.05	21.05	21.12	22.00
		25	0	20.98	21.06	21.07	22.00
		25	13	20.84	21.01	21.07	22.00
		25	25	20.81	21.00	21.04	22.00
		50	0	20.98	21.20	21.00	22.00
	16QAM	1	0	21.10	21.18	21.14	22.00
		1	25	20.95	21.09	21.06	22.00
		1	49	21.18	21.12	21.01	22.00
		25	0	21.16	21.09	21.10	22.00
		25	13	21.03	21.10	20.97	22.00
		25	25	21.03	21.07	21.15	22.00
		50	0	21.03	21.16	20.96	22.00
	64QAM	1	0	21.12	21.08	21.06	22.00
		1	25	20.94	21.06	21.09	22.00
		1	49	21.17	21.07	20.97	22.00
		25	0	21.08	21.04	21.07	22.00
		25	13	20.98	21.10	20.97	22.00
		25	25	21.03	21.07	21.15	22.00
		50	0	21.05	21.12	20.97	22.00



Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	20.79	20.97	21.13	22.00
		1	38	20.90	20.96	21.05	22.00
		1	74	21.07	21.11	21.08	22.00
		36	0	21.01	21.01	21.04	22.00
		36	18	20.87	21.04	21.10	22.00
		36	39	20.85	21.05	21.00	22.00
		75	0	20.99	21.15	21.09	22.00
	16QAM	1	0	21.15	21.15	21.11	22.00
		1	38	20.93	21.12	21.07	22.00
		1	74	21.19	21.07	21.00	22.00
		36	0	21.12	21.07	21.10	22.00
		36	18	21.07	21.12	21.00	22.00
		36	39	21.06	21.07	21.15	22.00
		75	0	21.08	21.12	20.96	22.00
	64QAM	1	0	21.11	21.13	21.06	22.00
		1	38	20.93	21.05	21.06	22.00
		1	74	21.19	21.07	20.92	22.00
		36	0	21.09	21.02	21.08	22.00
		36	18	21.01	21.08	20.99	22.00
		36	39	20.99	21.08	21.13	22.00
		75	0	21.03	21.16	20.99	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	21.14	21.17	21.24	22.00
		1	50	20.95	21.24	21.04	22.00
		1	99	20.82	21.04	20.97	22.00
		50	0	20.90	21.07	20.97	22.00
		50	25	20.84	21.09	21.01	22.00
		50	50	20.91	20.94	20.91	22.00
		100	0	20.94	21.11	21.02	22.00
	16QAM	1	0	21.15	21.18	21.14	22.00
		1	50	20.96	21.14	21.11	22.00
		1	99	21.21	21.12	21.02	22.00
		50	0	21.17	21.12	21.13	22.00
		50	25	21.07	21.15	21.02	22.00
		50	50	21.06	21.11	21.18	22.00
		100	0	21.08	21.17	21.00	22.00
	64QAM	1	0	21.13	21.13	21.09	22.00
		1	50	20.96	21.10	21.10	22.00
		1	99	21.21	21.09	20.97	22.00
		50	0	21.12	21.07	21.09	22.00
		50	25	21.02	21.11	21.00	22.00
		50	50	21.03	21.09	21.16	22.00
		100	0	21.08	21.16	21.00	22.00



LTE Band 4 Receiver on&Hotspot on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	16.23	16.18	15.98	17.50
		1	2	16.27	16.36	16.27	17.50
		1	5	16.07	16.22	16.13	17.50
		3	0	16.24	16.14	16.04	17.50
		3	2	16.25	16.18	16.14	17.50
		3	3	16.13	16.28	16.23	17.50
		6	0	16.09	16.24	16.05	17.50
	16QAM	1	0	16.42	16.38	16.48	17.50
		1	2	16.15	16.31	16.39	17.50
		1	5	16.45	16.48	16.34	17.50
		3	0	16.23	16.40	16.19	17.50
		3	2	16.26	16.26	16.22	17.50
		3	3	16.18	16.25	16.20	17.50
		6	0	16.12	16.27	16.18	17.50
	64QAM	1	0	16.43	16.40	16.47	17.50
		1	2	16.15	16.30	16.40	17.50
		1	5	16.45	16.49	16.29	17.50
		3	0	16.22	16.40	16.18	17.50
		3	2	16.27	16.24	16.18	17.50
		3	3	16.16	16.22	16.22	17.50
		6	0	16.08	16.29	16.17	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
3MHz	QPSK	1	0	16.21	16.25	15.97	17.50
		1	7	16.27	16.36	16.25	17.50
		1	14	16.06	16.34	16.26	17.50
		8	0	16.29	16.18	16.08	17.50
		8	4	16.27	16.30	16.14	17.50
		8	7	16.15	16.30	16.19	17.50
		15	0	16.17	16.19	16.10	17.50
	16QAM	1	0	16.42	16.41	16.49	17.50
		1	7	16.14	16.28	16.42	17.50
		1	14	16.50	16.49	16.33	17.50
		8	0	16.26	16.39	16.20	17.50
		8	4	16.27	16.26	16.18	17.50
		8	7	16.22	16.29	16.19	17.50
		15	0	16.12	16.28	16.19	17.50
	64QAM	1	0	16.41	16.38	16.47	17.50
		1	7	16.15	16.27	16.38	17.50
		1	14	16.49	16.49	16.27	17.50
		8	0	16.21	16.40	16.13	17.50
		8	4	16.26	16.22	16.16	17.50
		8	7	16.17	16.24	16.22	17.50
		15	0	16.10	16.30	16.17	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
3MHz	QPSK	1	0	16.21	16.25	15.97	17.50
		1	7	16.27	16.36	16.25	17.50
		1	14	16.06	16.34	16.26	17.50
		8	0	16.29	16.18	16.08	17.50
		8	4	16.27	16.30	16.14	17.50
		8	7	16.15	16.30	16.19	17.50
		15	0	16.17	16.19	16.10	17.50
	16QAM	1	0	16.42	16.41	16.49	17.50
		1	7	16.14	16.28	16.42	17.50
		1	14	16.50	16.49	16.33	17.50
		8	0	16.26	16.39	16.20	17.50
		8	4	16.27	16.26	16.18	17.50
		8	7	16.22	16.29	16.19	17.50
		15	0	16.12	16.28	16.19	17.50
	64QAM	1	0	16.41	16.38	16.47	17.50
		1	7	16.15	16.27	16.38	17.50
		1	14	16.49	16.49	16.27	17.50
		8	0	16.21	16.40	16.13	17.50
		8	4	16.26	16.22	16.16	17.50
		8	7	16.17	16.24	16.22	17.50
		15	0	16.10	16.30	16.17	17.50



Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	16.20	16.19	16.19	17.50
		1	13	16.16	16.14	16.19	17.50
		1	24	16.11	16.23	16.27	17.50
		12	0	16.12	16.22	16.18	17.50
		12	6	16.17	16.16	16.14	17.50
		12	13	16.15	16.21	16.17	17.50
		25	0	16.21	16.20	16.16	17.50
	16QAM	1	0	16.44	16.39	16.51	17.50
		1	13	16.19	16.26	16.40	17.50
		1	24	16.45	16.49	16.34	17.50
		12	0	16.21	16.40	16.23	17.50
		12	6	16.30	16.26	16.20	17.50
		12	13	16.18	16.25	16.21	17.50
		25	0	16.16	16.31	16.17	17.50
	64QAM	1	0	16.42	16.39	16.50	17.50
		1	13	16.18	16.28	16.41	17.50
		1	24	16.47	16.49	16.32	17.50
		12	0	16.21	16.41	16.15	17.50
		12	6	16.26	16.21	16.18	17.50
		12	13	16.15	16.21	16.17	17.50
		25	0	16.10	16.29	16.12	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	16.31	16.31	16.15	17.50
		1	25	16.27	16.17	16.24	17.50
		1	49	16.14	16.18	16.23	17.50
		25	0	16.17	16.28	16.16	17.50
		25	13	16.24	16.19	16.08	17.50
		25	25	16.16	16.22	16.12	17.50
		50	0	16.20	16.22	16.12	17.50
	16QAM	1	0	16.39	16.38	16.46	17.50
		1	25	16.17	16.27	16.41	17.50
		1	49	16.48	16.49	16.30	17.50
		25	0	16.24	16.41	16.20	17.50
		25	13	16.27	16.27	16.20	17.50
		25	25	16.17	16.26	16.20	17.50
		50	0	16.12	16.29	16.19	17.50
	64QAM	1	0	16.38	16.42	16.45	17.50
		1	25	16.15	16.27	16.41	17.50
		1	49	16.45	16.48	16.29	17.50
		25	0	16.22	16.39	16.16	17.50
		25	13	16.27	16.22	16.20	17.50
		25	25	16.16	16.24	16.22	17.50
		50	0	16.13	16.30	16.15	17.50



Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	16.25	16.29	16.30	17.50
		1	38	16.07	16.26	16.28	17.50
		1	74	16.08	16.10	16.07	17.50
		36	0	16.20	16.24	16.17	17.50
		36	18	16.15	16.20	16.20	17.50
		36	39	16.02	16.06	16.02	17.50
		75	0	16.10	16.10	16.11	17.50
	16QAM	1	0	16.44	16.41	16.50	17.50
		1	38	16.17	16.30	16.42	17.50
		1	74	16.46	16.49	16.29	17.50
		36	0	16.22	16.40	16.19	17.50
		36	18	16.30	16.25	16.21	17.50
		36	39	16.20	16.26	16.21	17.50
		75	0	16.16	16.27	16.19	17.50
	64QAM	1	0	16.40	16.38	16.47	17.50
		1	38	16.19	16.31	16.36	17.50
		1	74	16.45	16.44	16.28	17.50
		36	0	16.19	16.36	16.17	17.50
		36	18	16.28	16.22	16.16	17.50
		36	39	16.17	16.21	16.22	17.50
		75	0	16.12	16.26	16.13	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	QPSK	1	0	16.30	16.40	16.23	17.50
		1	50	16.50	16.53	16.58	17.50
		1	99	16.20	16.22	16.09	17.50
		50	0	16.18	16.18	16.25	17.50
		50	25	16.11	16.18	16.03	17.50
		50	50	16.00	16.11	16.05	17.50
		100	0	16.14	16.16	16.08	17.50
	16QAM	1	0	16.44	16.43	16.51	17.50
		1	50	16.19	16.31	16.43	17.50
		1	99	16.50	16.51	16.34	17.50
		50	0	16.26	16.41	16.23	17.50
		50	25	16.31	16.27	16.23	17.50
		50	50	16.22	16.29	16.22	17.50
		100	0	16.17	16.32	16.19	17.50
	64QAM	1	0	16.43	16.43	16.50	17.50
		1	50	16.19	16.31	16.41	17.50
		1	99	16.50	16.49	16.32	17.50
		50	0	16.23	16.41	16.18	17.50
		50	25	16.30	16.24	16.20	17.50
		50	50	16.17	16.24	16.22	17.50
		100	0	16.13	16.31	16.17	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	QPSK	1	0	16.30	16.40	16.23	17.50
		1	50	16.50	16.53	16.58	17.50
		1	99	16.20	16.22	16.09	17.50
		50	0	16.18	16.18	16.25	17.50
		50	25	16.11	16.18	16.03	17.50
		50	50	16.00	16.11	16.05	17.50
		100	0	16.14	16.16	16.08	17.50
	16QAM	1	0	16.44	16.43	16.51	17.50
		1	50	16.19	16.31	16.43	17.50
		1	99	16.50	16.51	16.34	17.50
		50	0	16.26	16.41	16.23	17.50
		50	25	16.31	16.27	16.23	17.50
		50	50	16.22	16.29	16.22	17.50
		100	0	16.17	16.32	16.19	17.50
	64QAM	1	0	16.43	16.43	16.50	17.50
		1	50	16.19	16.31	16.41	17.50
		1	99	16.50	16.49	16.32	17.50
		50	0	16.23	16.41	16.18	17.50
		50	25	16.30	16.24	16.20	17.50
		50	50	16.17	16.24	16.22	17.50
		100	0	16.13	16.31	16.17	17.50



LTE Band 4 Receiver off&Hotspot off&ensor off				Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				19957	20175	20393		
1.4MHz	QPSK	1	0	24.30	24.19	24.25	25.50	
		1	2	24.44	24.37	24.35	25.50	
		1	5	24.18	24.25	24.22	25.50	
		3	0	24.29	24.32	24.15	25.50	
		3	2	24.37	24.27	24.19	25.50	
		3	3	24.33	24.28	24.38	25.50	
	16QAM	6	0	23.32	23.33	23.31	24.50	
		1	0	23.32	23.61	23.39	24.50	
		1	2	23.28	23.67	23.75	24.50	
		1	5	23.32	23.47	23.74	24.50	
		3	0	23.35	23.45	23.35	24.50	
		3	2	23.62	23.45	23.44	24.50	
	64QAM	3	3	23.49	23.37	23.43	24.50	
		6	0	22.65	22.26	22.38	23.50	
		1	0	22.29	22.61	22.35	23.50	
		1	2	22.28	22.65	22.74	23.50	
		1	5	22.30	22.42	22.69	23.50	
		3	0	22.35	22.43	22.32	23.50	
	3MHz	QPSK	3	2	22.62	22.41	22.44	23.50
			3	3	22.46	22.32	22.43	23.50
			6	0	21.61	21.23	21.34	22.50
1			0	24.38	24.24	24.18	25.50	
1			7	24.49	24.41	24.40	25.50	
1			14	24.22	24.28	24.33	25.50	
16QAM		8	0	23.27	23.30	23.15	24.50	
		8	4	23.37	23.35	23.21	24.50	
		8	7	23.37	23.34	23.40	24.50	
		15	0	23.40	23.35	23.33	24.50	
	1	0	23.41	23.67	23.39	24.50		
	1	7	23.25	23.70	23.76	24.50		
64QAM	1	14	23.32	23.41	23.76	24.50		
	8	0	22.43	22.53	22.30	23.50		
	8	4	22.61	22.51	22.41	23.50		
	8	7	22.50	22.43	22.45	23.50		
	15	0	22.65	22.34	22.36	23.50		
	1	0	22.37	22.62	22.35	23.50		
64QAM	1	7	22.25	22.66	22.71	23.50		
	1	14	22.27	22.40	22.73	23.50		
	8	0	21.42	21.50	21.28	22.50		
	8	4	21.61	21.46	21.40	22.50		
	8	7	21.50	21.42	21.45	22.50		
	15	0	21.63	21.29	21.36	22.50		



Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				19975	20175	20375		
5MHz	QPSK	1	0	24.27	24.26	24.20	25.50	
		1	13	24.29	24.20	24.29	25.50	
		1	24	24.21	24.13	24.27	25.50	
		12	0	23.21	23.27	23.15	24.50	
		12	6	23.23	23.31	23.21	24.50	
		12	13	23.25	23.37	23.19	24.50	
	16QAM	25	0	23.24	23.32	23.22	24.50	
		1	0	23.37	23.64	23.44	24.50	
		1	13	23.32	23.44	23.75	24.50	
		1	24	23.39	23.07	23.35	24.50	
		12	0	22.25	22.29	22.27	23.50	
		12	6	22.36	22.33	22.25	23.50	
	64QAM	12	13	22.17	22.44	22.22	23.50	
		25	0	22.27	22.34	22.33	23.50	
		1	0	22.38	22.65	22.36	23.50	
		1	13	22.25	22.67	22.71	23.50	
		1	24	22.28	22.36	22.71	23.50	
		12	0	21.40	21.50	21.28	22.50	
	10MHz	QPSK	12	6	21.61	21.49	21.41	22.50
			12	13	21.49	21.41	21.42	22.50
			25	0	21.62	21.33	21.31	22.50
1			0	24.44	24.45	24.33	25.50	
1			25	24.36	24.22	24.30	25.50	
1			49	24.15	24.09	24.13	25.50	
16QAM		25	0	23.40	23.36	23.37	24.50	
		25	13	23.35	23.33	23.31	24.50	
		25	25	23.34	23.23	23.35	24.50	
		50	0	23.36	23.30	23.32	24.50	
		1	0	23.78	23.42	23.61	24.50	
		1	25	23.70	23.04	23.78	24.50	
64QAM	1	49	23.32	23.23	23.42	24.50		
	25	0	22.34	22.39	22.42	23.50		
	25	13	22.48	22.34	22.40	23.50		
	25	25	22.40	22.19	22.32	23.50		
	50	0	22.47	22.35	22.33	23.50		
	1	0	22.36	22.65	22.34	23.50		
10MHz	64QAM	1	25	22.25	22.65	22.76	23.50	
		1	49	22.32	22.38	22.75	23.50	
		25	0	21.43	21.51	21.28	22.50	
		25	13	21.60	21.49	21.40	22.50	
		25	25	21.46	21.41	21.44	22.50	
		50	0	21.61	21.29	21.32	22.50	



Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				20025	20175	20325		
15MHz	QPSK	1	0	24.50	24.39	24.42	25.50	
		1	38	24.33	24.25	24.37	25.50	
		1	74	24.48	24.26	24.49	25.50	
		36	0	23.35	23.38	23.37	24.50	
		36	18	23.39	23.31	23.35	24.50	
		36	39	23.37	23.27	23.30	24.50	
	16QAM	75	0	23.37	23.38	23.35	24.50	
		1	0	22.99	23.84	23.73	24.50	
		1	38	23.43	23.40	23.52	24.50	
		1	74	23.73	23.67	23.31	24.50	
		36	0	22.48	22.43	22.42	23.50	
		36	18	22.46	22.49	22.38	23.50	
	64QAM	36	39	22.32	22.28	22.36	23.50	
		75	0	22.47	22.38	22.40	23.50	
		1	0	22.39	22.65	22.38	23.50	
		1	38	22.24	22.65	22.72	23.50	
		1	74	22.28	22.40	22.73	23.50	
		36	0	21.39	21.51	21.27	22.50	
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
					20050	20175	20300	
	20MHz	QPSK	1	0	24.10	24.39	24.24	25.50
1			50	24.26	24.27	23.91	25.50	
1			99	24.50	24.46	24.51	25.50	
50			0	23.24	23.22	23.25	24.50	
50			25	23.38	23.27	23.20	24.50	
50			50	23.19	23.20	23.15	24.50	
16QAM		100	0	23.29	23.16	23.20	24.50	
		1	0	23.65	23.54	23.35	24.50	
		1	50	23.70	23.31	23.59	24.50	
		1	99	23.42	23.31	23.36	24.50	
		50	0	22.46	22.26	22.25	23.50	
		50	25	22.45	22.35	22.26	23.50	
64QAM		50	50	22.24	22.29	22.15	23.50	
		100	0	22.31	22.24	22.16	23.50	
		1	0	22.39	22.65	22.38	23.50	
		1	50	22.20	22.66	22.76	23.50	
		1	99	22.29	22.36	22.74	23.50	
		50	0	21.42	21.49	21.27	22.50	
Bandwidth		Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
					20050	20175	20300	
20MHz		QPSK	50	25	21.56	21.47	21.36	22.50
	50		50	21.47	21.39	21.41	22.50	
	100		0	21.63	21.29	21.32	22.50	



LTE Band 4 Sensor on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	22.26	22.30	22.46	23.50
		1	2	22.38	22.29	22.35	23.50
		1	5	22.22	22.11	22.27	23.50
		3	0	22.25	22.29	22.31	23.50
		3	2	22.31	22.28	22.29	23.50
		3	3	22.18	22.17	22.25	23.50
		6	0	22.15	22.20	22.33	23.50
	16QAM	1	0	22.23	22.29	22.33	23.50
		1	2	22.33	22.29	22.29	23.50
		1	5	22.31	22.21	22.39	23.50
		3	0	22.25	22.32	22.24	23.50
		3	2	22.38	22.34	22.30	23.50
		3	3	22.26	22.23	22.32	23.50
		6	0	22.16	22.30	22.17	23.50
	64QAM	1	0	22.18	22.26	22.28	23.50
		1	2	22.30	22.29	22.25	23.50
		1	5	22.24	22.15	22.38	23.50
		3	0	21.23	21.33	21.25	22.50
		3	2	21.37	21.32	21.28	22.50
		3	3	21.28	21.18	21.29	22.50
		6	0	21.15	21.27	21.15	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
3MHz	QPSK	1	0	22.30	22.39	22.19	23.50
		1	7	22.15	22.27	22.21	23.50
		1	14	22.33	22.10	22.08	23.50
		8	0	22.22	22.21	22.20	23.50
		8	4	22.20	22.23	22.16	23.50
		8	7	22.17	22.11	22.07	23.50
		15	0	22.34	22.12	22.11	23.50
	16QAM	1	0	22.22	22.26	22.30	23.50
		1	7	22.33	22.28	22.29	23.50
		1	14	22.33	22.20	22.41	23.50
		8	0	22.25	22.34	22.26	23.50
		8	4	22.38	22.31	22.30	23.50
		8	7	22.28	22.21	22.28	23.50
		15	0	22.14	22.27	22.16	23.50
	64QAM	1	0	22.21	22.26	22.30	23.50
		1	7	22.30	22.28	22.28	23.50
		1	14	22.29	22.13	22.39	23.50
		8	0	21.25	21.29	21.21	22.50
		8	4	21.32	21.28	21.28	22.50
		8	7	21.28	21.16	21.25	22.50
		15	0	21.12	21.26	21.17	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
3MHz	QPSK	1	0	22.30	22.39	22.19	23.50
		1	7	22.15	22.27	22.21	23.50
		1	14	22.33	22.10	22.08	23.50
		8	0	22.22	22.21	22.20	23.50
		8	4	22.20	22.23	22.16	23.50
		8	7	22.17	22.11	22.07	23.50
		15	0	22.34	22.12	22.11	23.50
	16QAM	1	0	22.22	22.26	22.30	23.50
		1	7	22.33	22.28	22.29	23.50
		1	14	22.33	22.20	22.41	23.50
		8	0	22.25	22.34	22.26	23.50
		8	4	22.38	22.31	22.30	23.50
		8	7	22.28	22.21	22.28	23.50
		15	0	22.14	22.27	22.16	23.50
	64QAM	1	0	22.21	22.26	22.30	23.50
		1	7	22.30	22.28	22.28	23.50
		1	14	22.29	22.13	22.39	23.50
		8	0	21.25	21.29	21.21	22.50
		8	4	21.32	21.28	21.28	22.50
		8	7	21.28	21.16	21.25	22.50
		15	0	21.12	21.26	21.17	22.50



Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				19975	20175	20375		
5MHz	QPSK	1	0	22.28	22.40	22.21	23.50	
		1	13	22.11	22.28	22.19	23.50	
		1	24	22.33	22.06	22.04	23.50	
		12	0	22.21	22.16	22.18	23.50	
		12	6	22.23	22.24	22.14	23.50	
		12	13	22.17	22.13	22.11	23.50	
	16QAM	25	0	22.32	22.22	22.10	23.50	
		1	0	22.21	22.31	22.30	23.50	
		1	13	22.32	22.26	22.28	23.50	
		1	24	22.28	22.19	22.41	23.50	
		12	0	22.29	22.34	22.24	23.50	
		12	6	22.40	22.33	22.31	23.50	
	64QAM	12	13	22.26	22.19	22.30	23.50	
		25	0	22.16	22.31	22.19	23.50	
		1	0	22.21	22.21	22.26	23.50	
		1	13	22.29	22.28	22.29	23.50	
		1	24	22.27	22.13	22.39	23.50	
		12	0	21.22	21.33	21.23	22.50	
	10MHz	QPSK	12	6	21.37	21.32	21.26	22.50
			12	13	21.26	21.20	21.26	22.50
			25	0	21.12	21.25	21.19	22.50
1			0	22.33	22.27	22.42	23.50	
1			25	22.26	22.33	22.40	23.50	
1			49	22.25	22.21	22.24	23.50	
25			0	22.31	22.35	22.29	23.50	
16QAM	25	13	22.27	22.30	22.28	23.50		
	25	25	22.14	22.21	22.23	23.50		
	50	0	22.25	22.29	22.33	23.50		
	1	0	22.23	22.30	22.31	23.50		
	1	25	22.35	22.29	22.28	23.50		
	1	49	22.29	22.21	22.37	23.50		
	25	0	22.26	22.35	22.27	23.50		
64QAM	25	13	22.39	22.32	22.26	23.50		
	25	25	22.28	22.19	22.28	23.50		
	50	0	22.15	22.27	22.16	23.50		
	1	0	22.18	22.24	22.27	23.50		
	1	25	22.30	22.30	22.27	23.50		
	1	49	22.28	22.15	22.35	23.50		
	25	0	21.25	21.33	21.24	22.50		
10MHz	64QAM	25	13	21.32	21.32	21.25	22.50	
		25	25	21.25	21.20	21.26	22.50	
		50	0	21.15	21.28	21.16	22.50	
		50	0	21.15	21.28	21.16	22.50	



Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	22.33	22.30	22.40	23.50
		1	38	22.36	22.30	22.41	23.50
		1	74	22.21	22.18	22.43	23.50
		36	0	22.36	22.33	22.25	23.50
		36	18	22.39	22.28	22.25	23.50
		36	39	22.18	22.22	22.28	23.50
		75	0	22.22	22.20	22.30	23.50
	16QAM	1	0	22.21	22.30	22.33	23.50
		1	38	22.34	22.29	22.28	23.50
		1	74	22.29	22.20	22.40	23.50
		36	0	22.29	22.32	22.23	23.50
		36	18	22.39	22.36	22.26	23.50
		36	39	22.28	22.20	22.32	23.50
		75	0	22.18	22.29	22.16	23.50
	64QAM	1	0	22.19	22.24	22.26	23.50
		1	38	22.28	22.30	22.27	23.50
		1	74	22.28	22.18	22.39	23.50
		36	0	21.25	21.33	21.23	22.50
		36	18	21.34	21.31	21.29	22.50
		36	39	21.29	21.20	21.29	22.50
		75	0	21.10	21.27	21.17	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	QPSK	1	0	22.31	22.39	22.27	23.50
		1	50	22.32	22.40	22.47	23.50
		1	99	22.37	22.14	22.07	23.50
		50	0	22.24	22.26	22.36	23.50
		50	25	22.29	22.20	22.17	23.50
		50	50	22.25	22.17	22.07	23.50
		100	0	22.25	22.17	22.16	23.50
	16QAM	1	0	22.26	22.31	22.33	23.50
		1	50	22.37	22.31	22.31	23.50
		1	99	22.33	22.23	22.41	23.50
		50	0	22.29	22.37	22.27	23.50
		50	25	22.41	22.36	22.31	23.50
		50	50	22.31	22.23	22.33	23.50
		100	0	22.18	22.31	22.21	23.50
	64QAM	1	0	22.22	22.26	22.30	23.50
		1	50	22.33	22.30	22.30	23.50
		1	99	22.29	22.18	22.40	23.50
		50	0	21.27	21.33	21.25	22.50
		50	25	21.37	21.32	21.29	22.50
		50	50	21.30	21.21	21.30	22.50
		100	0	21.15	21.28	21.20	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	QPSK	1	0	22.31	22.39	22.27	23.50
		1	50	22.32	22.40	22.47	23.50
		1	99	22.37	22.14	22.07	23.50
		50	0	22.24	22.26	22.36	23.50
		50	25	22.29	22.20	22.17	23.50
		50	50	22.25	22.17	22.07	23.50
		100	0	22.25	22.17	22.16	23.50
	16QAM	1	0	22.26	22.31	22.33	23.50
		1	50	22.37	22.31	22.31	23.50
		1	99	22.33	22.23	22.41	23.50
		50	0	22.29	22.37	22.27	23.50
		50	25	22.41	22.36	22.31	23.50
		50	50	22.31	22.23	22.33	23.50
		100	0	22.18	22.31	22.21	23.50
	64QAM	1	0	22.22	22.26	22.30	23.50
		1	50	22.33	22.30	22.30	23.50
		1	99	22.29	22.18	22.40	23.50
		50	0	21.27	21.33	21.25	22.50
		50	25	21.37	21.32	21.29	22.50
		50	50	21.30	21.21	21.30	22.50
		100	0	21.15	21.28	21.20	22.50



LTE Band 7 Receiver on&Hotspot on				Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				20775	21100	21425		
5MHz	QPSK	1	0	16.29	16.33	16.30	17.50	
		1	13	16.23	16.31	16.29	17.50	
		1	24	16.30	16.27	16.28	17.50	
		12	0	16.32	16.21	16.24	17.50	
		12	6	16.23	16.30	16.29	17.50	
		12	13	16.30	16.31	16.28	17.50	
	16QAM	25	0	16.24	16.25	16.30	17.50	
		1	0	16.22	16.26	16.23	17.50	
		1	13	16.27	16.26	16.23	17.50	
		1	24	16.29	16.30	16.22	17.50	
		12	0	16.16	16.20	16.20	17.50	
		12	6	16.20	16.16	16.13	17.50	
	64QAM	12	13	16.26	16.17	16.28	17.50	
		25	0	16.27	16.28	16.23	17.50	
		1	0	16.21	16.23	16.20	17.50	
		1	13	16.27	16.24	16.24	17.50	
		1	24	16.27	16.27	16.23	17.50	
		12	0	16.18	16.17	16.19	17.50	
	10MHz	QPSK	12	6	16.20	16.15	16.14	17.50
			12	13	16.23	16.21	16.23	17.50
			25	0	16.24	16.28	16.25	17.50
1			0	16.24	16.08	16.22	17.50	
1			25	16.08	16.02	16.19	17.50	
1			49	16.03	16.25	16.12	17.50	
16QAM		25	0	16.21	16.13	16.13	17.50	
		25	13	16.30	16.23	16.18	17.50	
		25	25	16.16	16.08	16.13	17.50	
		50	0	16.30	16.11	16.21	17.50	
		1	0	16.20	16.25	16.22	17.50	
		1	25	16.23	16.23	16.26	17.50	
64QAM		1	49	16.33	16.29	16.24	17.50	
		25	0	16.20	16.20	16.23	17.50	
		25	13	16.16	16.15	16.14	17.50	
		25	25	16.25	16.22	16.27	17.50	
		50	0	16.27	16.26	16.25	17.50	
		1	0	16.22	16.23	16.20	17.50	
64QAM		1	25	16.27	16.23	16.24	17.50	
		1	49	16.27	16.26	16.23	17.50	
		25	0	16.16	16.17	16.15	17.50	
	25	13	16.19	16.14	16.12	17.50		
	25	25	16.25	16.16	16.23	17.50		
	50	0	16.25	16.27	16.24	17.50		



Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	16.28	16.06	16.09	17.50
		1	38	16.19	16.21	16.06	17.50
		1	74	16.33	16.24	16.33	17.50
		36	0	16.17	16.15	16.06	17.50
		36	18	16.20	16.20	16.11	17.50
		36	39	16.20	16.22	16.25	17.50
		75	0	16.13	15.98	16.09	17.50
	16QAM	1	0	16.25	16.25	16.26	17.50
		1	38	16.27	16.25	16.22	17.50
		1	74	16.28	16.30	16.22	17.50
		36	0	16.16	16.22	16.21	17.50
		36	18	16.19	16.19	16.15	17.50
		36	39	16.26	16.19	16.23	17.50
		75	0	16.25	16.24	16.24	17.50
	64QAM	1	0	16.19	16.24	16.20	17.50
		1	38	16.26	16.23	16.23	17.50
		1	74	16.26	16.30	16.22	17.50
		36	0	16.17	16.14	16.16	17.50
		36	18	16.20	16.14	16.11	17.50
		36	39	16.24	16.17	16.25	17.50
		75	0	16.25	16.24	16.24	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	QPSK	1	0	16.02	16.03	16.25	17.50
		1	50	16.18	16.19	16.22	17.50
		1	99	16.01	16.00	16.33	17.50
		50	0	16.22	16.13	16.13	17.50
		50	25	16.34	16.08	16.00	17.50
		50	50	16.28	16.15	16.28	17.50
		100	0	16.18	16.11	16.02	17.50
	16QAM	1	0	16.25	16.30	16.26	17.50
		1	50	16.28	16.28	16.26	17.50
		1	99	16.33	16.32	16.27	17.50
		50	0	16.20	16.24	16.23	17.50
		50	25	16.21	16.19	16.17	17.50
		50	50	16.26	16.22	16.28	17.50
		100	0	16.29	16.29	16.26	17.50
	64QAM	1	0	16.23	16.28	16.22	17.50
		1	50	16.27	16.25	16.24	17.50
		1	99	16.29	16.30	16.24	17.50
		50	0	16.19	16.19	16.20	17.50
		50	25	16.21	16.18	16.15	17.50
		50	50	16.25	16.21	16.25	17.50
		100	0	16.27	16.29	16.26	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	QPSK	1	0	16.02	16.03	16.25	17.50
		1	50	16.18	16.19	16.22	17.50
		1	99	16.01	16.00	16.33	17.50
		50	0	16.22	16.13	16.13	17.50
		50	25	16.34	16.08	16.00	17.50
		50	50	16.28	16.15	16.28	17.50
		100	0	16.18	16.11	16.02	17.50
	16QAM	1	0	16.25	16.30	16.26	17.50
		1	50	16.28	16.28	16.26	17.50
		1	99	16.33	16.32	16.27	17.50
		50	0	16.20	16.24	16.23	17.50
		50	25	16.21	16.19	16.17	17.50
		50	50	16.26	16.22	16.28	17.50
		100	0	16.29	16.29	16.26	17.50
	64QAM	1	0	16.23	16.28	16.22	17.50
		1	50	16.27	16.25	16.24	17.50
		1	99	16.29	16.30	16.24	17.50
		50	0	16.19	16.19	16.20	17.50
		50	25	16.21	16.18	16.15	17.50
		50	50	16.25	16.21	16.25	17.50
		100	0	16.27	16.29	16.26	17.50



LTE Band 7 Receiver off&Hotspot off&Sensor off				Conducted Power(dBm)			Tune up	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel		
				20775	21100	21425		
5MHz	QPSK	1	0	24.00	24.08	24.22	25.50	
		1	13	23.77	24.16	24.16	25.50	
		1	24	23.83	23.97	24.01	25.50	
		12	0	22.96	23.13	23.21	24.50	
		12	6	22.97	23.02	23.07	24.50	
		12	13	23.12	23.06	23.19	24.50	
	16QAM	25	0	23.85	24.10	24.13	24.50	
		1	0	23.23	23.22	23.19	24.50	
		1	13	23.24	23.43	23.51	24.50	
		1	24	22.93	23.15	23.35	24.50	
		12	0	21.98	22.05	22.18	23.50	
		12	6	21.99	22.20	22.28	23.50	
	64QAM	12	13	22.02	22.17	22.17	23.50	
		25	0	22.92	23.08	23.12	23.50	
		1	0	22.20	22.22	22.18	23.50	
		1	13	22.22	22.43	22.48	23.50	
		1	24	21.88	22.11	22.31	23.50	
		12	0	20.98	21.01	21.13	22.50	
	10MHz	QPSK	12	6	20.94	21.15	21.27	22.50
			12	13	21.02	21.14	21.17	22.50
			25	0	21.91	22.08	22.12	22.50
1			0	23.87	24.00	24.22	25.50	
1			25	23.97	24.09	24.22	25.50	
1			49	23.93	24.14	24.13	25.50	
16QAM		25	0	23.03	23.22	23.28	24.50	
		25	13	23.10	23.19	23.33	24.50	
		25	25	23.13	23.11	23.29	24.50	
		50	0	23.11	23.15	23.12	24.50	
		1	0	23.29	23.29	23.48	24.50	
		1	25	23.11	23.23	23.26	24.50	
64QAM	1	49	23.42	23.24	23.37	24.50		
	25	0	22.18	22.13	22.30	23.50		
	25	13	22.13	22.16	22.26	23.50		
	25	25	22.10	22.27	22.29	23.50		
	50	0	22.24	22.29	22.13	23.50		
	1	0	22.22	22.22	22.17	23.50		
64QAM	1	25	22.24	22.39	22.47	23.50		
	1	49	21.92	22.10	22.35	23.50		
	25	0	20.93	21.03	21.14	22.50		
	25	13	20.94	21.15	21.23	22.50		
	25	25	20.98	21.12	21.17	22.50		
	50	0	21.87	22.07	22.08	22.50		



Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				20825	21100	21375		
15MHz	QPSK	1	0	23.91	24.11	23.95	25.50	
		1	38	23.99	24.10	24.14	25.50	
		1	74	24.13	24.19	24.25	25.50	
		36	0	23.06	23.15	23.01	24.50	
		36	18	23.18	23.12	23.13	24.50	
		36	39	23.22	23.12	23.20	24.50	
	16QAM	75	0	23.19	23.03	23.21	24.50	
		1	0	23.36	23.59	22.91	24.50	
		1	38	22.98	23.09	23.33	24.50	
		1	74	23.59	23.62	23.19	24.50	
		36	0	22.15	22.25	22.15	23.50	
		36	18	22.17	22.31	22.23	23.50	
	64QAM	36	39	22.31	22.21	22.22	23.50	
		75	0	22.19	22.19	22.08	23.50	
		1	0	22.23	22.19	22.15	23.50	
		1	38	22.21	22.42	22.48	23.50	
		1	74	21.91	22.12	22.31	23.50	
		36	0	20.95	21.02	21.14	22.50	
	20MHz	QPSK	36	18	20.98	21.15	21.28	22.50
			36	39	20.97	21.13	21.16	22.50
			75	0	21.92	22.06	22.11	22.50
1			0	24.04	23.98	24.00	25.50	
1			50	23.97	24.19	24.15	25.50	
1			99	23.80	24.00	24.30	25.50	
16QAM		50	0	23.14	23.12	23.05	24.50	
		50	25	23.40	23.14	23.17	24.50	
		50	50	23.14	23.17	23.26	24.50	
		100	0	22.98	23.09	22.97	24.50	
		1	0	22.93	23.13	23.11	24.50	
		1	50	23.17	23.52	23.13	24.50	
64QAM		1	99	23.24	23.33	23.05	24.50	
		50	0	22.14	22.25	22.15	23.50	
		50	25	22.19	22.14	22.14	23.50	
		50	50	22.18	22.15	22.21	23.50	
		100	0	22.17	22.12	22.08	23.50	
		1	0	22.20	22.20	22.16	23.50	
64QAM		1	50	22.23	22.39	22.51	23.50	
		1	99	21.92	22.14	22.35	23.50	
		50	0	20.95	21.00	21.14	22.50	
	50	25	20.99	21.17	21.24	22.50		
	50	50	20.99	21.12	21.14	22.50		
	100	0	21.90	22.03	22.11	22.50		



LTE Band 7 Sensor on				Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				20775	21100	21425		
5MHz	QPSK	1	0	19.00	19.10	18.98	20.50	
		1	13	18.90	19.01	19.00	20.50	
		1	24	19.20	19.26	19.06	20.50	
		12	0	19.00	19.09	19.09	20.50	
		12	6	19.12	19.13	19.09	20.50	
		12	13	19.10	19.05	19.18	20.50	
	16QAM	25	0	19.05	19.11	19.07	20.50	
		1	0	18.96	19.23	19.25	20.50	
		1	13	19.24	19.23	19.22	20.50	
		1	24	19.18	19.23	19.28	20.50	
		12	0	19.27	19.18	19.20	20.50	
		12	6	19.25	19.21	19.11	20.50	
	64QAM	12	13	19.18	19.20	19.19	20.50	
		25	0	19.25	19.14	19.12	20.50	
		1	0	18.95	19.17	19.17	20.50	
		1	13	19.18	19.20	19.22	20.50	
		1	24	19.17	19.21	19.20	20.50	
		12	0	19.19	19.11	19.21	20.50	
	10MHz	QPSK	12	6	19.23	19.17	19.12	20.50
			12	13	19.14	19.15	19.16	20.50
			25	0	19.21	19.10	19.13	20.50
1			0	18.98	18.95	19.02	20.50	
1			25	19.06	18.92	19.09	20.50	
1			49	18.88	18.99	19.28	20.50	
16QAM		25	0	19.12	19.05	19.08	20.50	
		25	13	19.18	19.12	19.14	20.50	
		25	25	19.10	19.04	19.17	20.50	
		50	0	19.01	18.96	19.05	20.50	
		1	0	18.98	19.20	19.21	20.50	
		1	25	19.28	19.23	19.24	20.50	
64QAM		1	49	19.16	19.23	19.27	20.50	
		25	0	19.27	19.15	19.21	20.50	
		25	13	19.23	19.17	19.12	20.50	
		25	25	19.17	19.18	19.17	20.50	
		50	0	19.20	19.13	19.13	20.50	
		1	0	18.92	19.19	19.18	20.50	
16QAM		1	25	19.18	19.20	19.21	20.50	
		1	49	19.13	19.20	19.22	20.50	
		25	0	19.18	19.15	19.18	20.50	
	25	13	19.19	19.14	19.12	20.50		
	25	25	19.14	19.18	19.20	20.50		
	50	0	19.24	19.11	19.13	20.50		



Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	19.00	19.08	19.00	20.50
		1	38	18.98	19.00	19.06	20.50
		1	74	19.26	19.24	19.10	20.50
		36	0	19.10	19.13	19.14	20.50
		36	18	19.08	19.07	19.15	20.50
		36	39	19.13	19.04	19.24	20.50
		75	0	19.11	19.11	19.02	20.50
	16QAM	1	0	18.98	19.18	19.24	20.50
		1	38	19.24	19.22	19.27	20.50
		1	74	19.19	19.25	19.27	20.50
		36	0	19.27	19.14	19.18	20.50
		36	18	19.25	19.18	19.11	20.50
		36	39	19.17	19.18	19.18	20.50
		75	0	19.24	19.14	19.14	20.50
	64QAM	1	0	18.95	19.17	19.17	20.50
		1	38	19.22	19.19	19.22	20.50
		1	74	19.17	19.21	19.19	20.50
		36	0	19.18	19.15	19.16	20.50
		36	18	19.20	19.18	19.09	20.50
		36	39	19.12	19.20	19.20	20.50
		75	0	19.24	19.09	19.11	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	QPSK	1	0	18.93	19.09	19.01	20.50
		1	50	19.07	18.97	19.18	20.50
		1	99	18.83	18.99	19.30	20.50
		50	0	19.12	19.02	19.06	20.50
		50	25	19.17	19.08	19.14	20.50
		50	50	19.18	19.07	19.22	20.50
		100	0	19.00	19.04	19.06	20.50
	16QAM	1	0	19.00	19.23	19.25	20.50
		1	50	19.28	19.25	19.27	20.50
		1	99	19.20	19.28	19.29	20.50
		50	0	19.28	19.18	19.23	20.50
		50	25	19.26	19.22	19.14	20.50
		50	50	19.22	19.22	19.21	20.50
		100	0	19.25	19.17	19.15	20.50
	64QAM	1	0	18.96	19.19	19.22	20.50
		1	50	19.23	19.24	19.26	20.50
		1	99	19.18	19.25	19.24	20.50
		50	0	19.23	19.16	19.21	20.50
		50	25	19.24	19.19	19.12	20.50
		50	50	19.17	19.20	19.21	20.50
		100	0	19.25	19.13	19.13	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	QPSK	1	0	18.93	19.09	19.01	20.50
		1	50	19.07	18.97	19.18	20.50
		1	99	18.83	18.99	19.30	20.50
		50	0	19.12	19.02	19.06	20.50
		50	25	19.17	19.08	19.14	20.50
		50	50	19.18	19.07	19.22	20.50
		100	0	19.00	19.04	19.06	20.50
	16QAM	1	0	19.00	19.23	19.25	20.50
		1	50	19.28	19.25	19.27	20.50
		1	99	19.20	19.28	19.29	20.50
		50	0	19.28	19.18	19.23	20.50
		50	25	19.26	19.22	19.14	20.50
		50	50	19.22	19.22	19.21	20.50
		100	0	19.25	19.17	19.15	20.50
	64QAM	1	0	18.96	19.19	19.22	20.50
		1	50	19.23	19.24	19.26	20.50
		1	99	19.18	19.25	19.24	20.50
		50	0	19.23	19.16	19.21	20.50
		50	25	19.24	19.19	19.12	20.50
		50	50	19.17	19.20	19.21	20.50
		100	0	19.25	19.13	19.13	20.50



LTE Band 66 Receiver on&Hotspot on				Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				131979	132322	132665		
1.4MHz	QPSK	1	0	16.29	16.30	16.08	17.50	
		1	2	16.41	16.31	16.31	17.50	
		1	5	16.16	16.21	16.35	17.50	
		3	0	16.28	16.28	16.20	17.50	
		3	1	16.45	16.30	16.22	17.50	
		3	3	16.34	16.41	16.36	17.50	
	16QAM	6	0	16.31	16.22	16.28	17.50	
		1	0	16.31	16.51	16.31	17.50	
		1	2	16.54	16.31	16.46	17.50	
		1	5	16.45	16.34	16.35	17.50	
		3	0	16.55	16.15	16.20	17.50	
		3	1	16.44	16.46	16.20	17.50	
	64QAM	3	3	16.23	16.28	16.13	17.50	
		6	0	16.16	16.23	16.04	17.50	
		1	0	16.31	16.45	16.28	17.50	
		1	2	16.48	16.32	16.42	17.50	
		1	5	16.42	16.33	16.33	17.50	
		3	0	16.48	16.09	16.16	17.50	
	3MHz	QPSK	3	1	16.45	16.42	16.20	17.50
			3	3	16.21	16.25	16.11	17.50
			6	0	16.17	16.18	16.05	17.50
1			0	16.37	16.26	16.24	17.50	
1			7	16.50	16.42	16.45	17.50	
1			14	16.21	16.37	16.42	17.50	
3MHz	16QAM	8	0	16.30	16.20	16.14	17.50	
		8	4	16.26	16.34	16.25	17.50	
		8	7	16.39	16.40	16.29	17.50	
		15	0	16.46	16.29	16.18	17.50	
		1	0	16.35	16.51	16.28	17.50	
		1	7	16.53	16.32	16.42	17.50	
	64QAM	1	14	16.46	16.30	16.34	17.50	
		8	0	16.50	16.12	16.19	17.50	
		8	4	16.43	16.45	16.17	17.50	
		8	7	16.24	16.29	16.16	17.50	
		15	0	16.16	16.25	16.04	17.50	
		1	0	16.30	16.45	16.30	17.50	
		1	7	16.47	16.32	16.44	17.50	
		1	14	16.41	16.33	16.35	17.50	
		8	0	16.51	16.13	16.16	17.50	
8	4	16.46	16.46	16.21	17.50			
8	7	16.25	16.24	16.08	17.50			
15	0	16.16	16.21	16.05	17.50			



Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				131997	132322	132647		
5MHz	QPSK	1	0	16.41	16.29	16.34	17.50	
		1	13	16.25	16.09	16.28	17.50	
		1	24	16.36	16.16	16.21	17.50	
		12	0	16.19	16.10	16.10	17.50	
		12	6	16.35	16.21	16.14	17.50	
		12	13	16.23	16.39	16.20	17.50	
	16QAM	25	0	16.15	16.21	16.30	17.50	
		1	0	16.32	16.51	16.29	17.50	
		1	13	16.50	16.33	16.43	17.50	
		1	24	16.44	16.31	16.38	17.50	
		12	0	16.55	16.12	16.24	17.50	
		12	6	16.48	16.49	16.21	17.50	
	64QAM	12	13	16.24	16.28	16.13	17.50	
		25	0	16.18	16.24	16.08	17.50	
		1	0	16.30	16.45	16.33	17.50	
		1	13	16.46	16.29	16.42	17.50	
		1	24	16.39	16.34	16.34	17.50	
		12	0	16.52	16.14	16.15	17.50	
	10MHz	QPSK	12	6	16.43	16.45	16.17	17.50
			12	13	16.22	16.20	16.10	17.50
			25	0	16.15	16.20	16.05	17.50
1			0	16.43	16.40	16.20	17.50	
1			25	16.47	16.32	16.36	17.50	
1			49	16.26	15.94	16.11	17.50	
16QAM		25	0	16.40	16.30	16.49	17.50	
		25	13	16.36	16.17	16.25	17.50	
		25	25	16.30	16.24	16.30	17.50	
		50	0	16.34	16.37	16.31	17.50	
		1	0	16.31	16.50	16.30	17.50	
		1	25	16.52	16.31	16.47	17.50	
64QAM	1	49	16.44	16.33	16.33	17.50		
	25	0	16.52	16.14	16.21	17.50		
	25	13	16.46	16.49	16.22	17.50		
	25	25	16.25	16.29	16.13	17.50		
	50	0	16.15	16.27	16.04	17.50		
	1	0	16.33	16.49	16.31	17.50		
64QAM	1	25	16.48	16.30	16.42	17.50		
	1	49	16.43	16.34	16.35	17.50		
	25	0	16.50	16.11	16.19	17.50		
	25	13	16.46	16.41	16.17	17.50		
	25	25	16.23	16.21	16.08	17.50		
	50	0	16.15	16.21	16.06	17.50		



Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132047	132322	132597	
15MHz	QPSK	1	0	16.50	16.42	16.55	17.50
		1	38	16.39	16.30	16.24	17.50
		1	74	16.46	16.32	16.43	17.50
		36	0	16.32	16.22	16.40	17.50
		36	18	16.32	16.35	16.50	17.50
		36	39	16.41	16.42	16.23	17.50
		75	0	16.38	16.39	16.42	17.50
	16QAM	1	0	16.36	16.51	16.29	17.50
		1	38	16.51	16.31	16.42	17.50
		1	74	16.47	16.33	16.33	17.50
		36	0	16.55	16.13	16.20	17.50
		36	18	16.43	16.48	16.18	17.50
		36	39	16.21	16.27	16.16	17.50
		75	0	16.19	16.25	16.03	17.50
	64QAM	1	0	16.32	16.47	16.32	17.50
		1	38	16.47	16.31	16.41	17.50
		1	74	16.44	16.29	16.34	17.50
		36	0	16.47	16.13	16.15	17.50
		36	18	16.46	16.43	16.17	17.50
		36	39	16.24	16.22	16.13	17.50
		75	0	16.17	16.23	16.06	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	QPSK	1	0	16.14	16.29	16.19	17.50
		1	50	16.10	16.34	16.00	17.50
		1	99	16.45	16.57	16.57	17.50
		50	0	16.29	16.29	16.36	17.50
		50	25	16.28	16.16	16.10	17.50
		50	50	16.16	16.21	16.09	17.50
		100	0	16.24	16.09	16.24	17.50
	16QAM	1	0	16.36	16.52	16.33	17.50
		1	50	16.54	16.35	16.47	17.50
		1	99	16.47	16.34	16.38	17.50
		50	0	16.55	16.15	16.24	17.50
		50	25	16.48	16.49	16.22	17.50
		50	50	16.26	16.30	16.18	17.50
		100	0	16.20	16.28	16.08	17.50
	64QAM	1	0	16.33	16.50	16.33	17.50
		1	50	16.49	16.33	16.44	17.50
		1	99	16.44	16.34	16.36	17.50
		50	0	16.52	16.14	16.19	17.50
		50	25	16.47	16.46	16.22	17.50
		50	50	16.26	16.25	16.13	17.50
		100	0	16.20	16.23	16.06	17.50



LTE Band 66 Receiver off&Hotspot off&Sensor off				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131979	132322	132665	
1.4MHz	QPSK	1	0	24.23	24.17	24.09	25.50
		1	2	24.48	24.29	24.37	25.50
		1	5	24.04	24.23	24.26	25.50
		3	0	24.27	24.24	24.11	25.50
		3	1	24.32	24.22	24.16	25.50
		3	3	24.30	24.32	24.26	25.50
		6	0	23.39	23.22	23.27	24.50
	16QAM	1	0	23.26	23.53	23.41	24.50
		1	2	23.29	23.62	23.68	24.50
		1	5	23.25	23.37	23.69	24.50
		3	0	23.27	23.44	23.20	24.50
		3	1	23.47	23.47	23.31	24.50
		3	3	23.43	23.31	23.42	24.50
		6	0	22.68	22.18	22.33	23.50
	64QAM	1	0	22.22	22.50	22.37	23.50
		1	2	22.28	22.60	22.68	23.50
		1	5	22.20	22.32	22.67	23.50
		3	0	22.24	22.43	22.17	23.50
		3	1	22.44	22.46	22.29	23.50
		3	3	22.40	22.30	22.37	23.50
		6	0	21.68	21.14	21.31	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
3MHz	QPSK	1	0	24.27	24.18	24.24	25.50
		1	7	24.40	24.36	24.34	25.50
		1	14	24.05	24.17	24.25	25.50
		8	0	23.26	23.20	23.14	24.50
		8	4	23.33	23.21	23.24	24.50
		8	7	23.42	23.30	23.35	24.50
		15	0	23.40	23.24	23.26	24.50
	16QAM	1	0	23.31	23.50	23.35	24.50
		1	7	23.20	23.71	23.74	24.50
		1	14	23.25	23.45	23.69	24.50
		8	0	22.35	22.46	22.34	23.50
		8	4	22.51	22.48	22.43	23.50
		8	7	22.41	22.40	22.41	23.50
		15	0	22.67	22.32	22.29	23.50
	64QAM	1	0	22.31	22.46	22.31	23.50
		1	7	22.18	22.66	22.72	23.50
		1	14	22.24	22.40	22.66	23.50
		8	0	21.34	21.46	21.32	22.50
		8	4	21.48	21.45	21.42	22.50
		8	7	21.38	21.35	21.39	22.50
		15	0	21.66	21.27	21.26	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
3MHz	QPSK	1	0	24.27	24.18	24.24	25.50
		1	7	24.40	24.36	24.34	25.50
		1	14	24.05	24.17	24.25	25.50
		8	0	23.26	23.20	23.14	24.50
		8	4	23.33	23.21	23.24	24.50
		8	7	23.42	23.30	23.35	24.50
		15	0	23.40	23.24	23.26	24.50
	16QAM	1	0	23.31	23.50	23.35	24.50
		1	7	23.20	23.71	23.74	24.50
		1	14	23.25	23.45	23.69	24.50
		8	0	22.35	22.46	22.34	23.50
		8	4	22.51	22.48	22.43	23.50
		8	7	22.41	22.40	22.41	23.50
		15	0	22.67	22.32	22.29	23.50
	64QAM	1	0	22.31	22.46	22.31	23.50
		1	7	22.18	22.66	22.72	23.50
		1	14	22.24	22.40	22.66	23.50
		8	0	21.34	21.46	21.32	22.50
		8	4	21.48	21.45	21.42	22.50
		8	7	21.38	21.35	21.39	22.50
		15	0	21.66	21.27	21.26	22.50



Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				131997	132322	132647		
5MHz	QPSK	1	0	24.32	24.23	24.26	25.50	
		1	13	24.22	24.13	24.30	25.50	
		1	24	24.26	24.07	24.11	25.50	
		12	0	23.20	23.13	23.11	24.50	
		12	6	23.23	23.21	23.18	24.50	
		12	13	23.19	23.35	23.16	24.50	
	16QAM	25	0	23.16	23.28	23.14	24.50	
		1	0	23.30	23.58	23.38	24.50	
		1	13	23.19	23.35	23.65	24.50	
		1	24	23.26	22.98	23.28	24.50	
		12	0	22.14	22.35	22.25	23.50	
		12	6	22.25	22.22	22.14	23.50	
	64QAM	12	13	22.10	22.29	22.19	23.50	
		25	0	22.24	22.28	22.24	23.50	
		1	0	22.30	22.47	22.34	23.50	
		1	13	22.20	22.68	22.72	23.50	
		1	24	22.22	22.41	22.65	23.50	
		12	0	21.34	21.42	21.29	22.50	
	10MHz	QPSK	12	6	21.49	21.44	21.42	22.50
			12	13	21.37	21.36	21.41	22.50
			25	0	21.63	21.30	21.25	22.50
1			0	24.37	24.34	24.22	25.50	
1			25	24.37	24.12	24.19	25.50	
1			49	24.22	24.03	24.05	25.50	
16QAM		25	0	23.28	23.28	23.37	24.50	
		25	13	23.41	23.14	23.24	24.50	
		25	25	23.25	23.19	23.26	24.50	
		50	0	23.31	23.27	23.22	24.50	
		1	0	23.73	23.37	23.47	24.50	
		1	25	23.70	22.98	23.86	24.50	
64QAM	1	49	23.27	23.22	23.40	24.50		
	25	0	22.23	22.33	22.29	23.50		
	25	13	22.38	22.28	22.34	23.50		
	25	25	22.35	22.22	22.35	23.50		
	50	0	22.38	22.30	22.30	23.50		
	1	0	22.28	22.48	22.35	23.50		
16QAM	1	25	22.16	22.71	22.71	23.50		
	1	49	22.21	22.43	22.68	23.50		
	25	0	21.30	21.43	21.32	22.50		
	25	13	21.47	21.48	21.42	22.50		
	25	25	21.37	21.38	21.39	22.50		
	50	0	21.67	21.30	21.29	22.50		



Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132047	132322	132597	
15MHz	QPSK	1	0	24.36	24.26	24.41	25.50
		1	38	24.31	24.20	24.24	25.50
		1	74	24.44	24.27	24.43	25.50
		36	0	23.21	23.23	23.27	24.50
		36	18	23.35	23.24	23.33	24.50
		36	39	23.34	23.24	23.25	24.50
		75	0	23.32	23.34	23.34	24.50
	16QAM	1	0	22.96	23.72	23.74	24.50
		1	38	23.47	23.39	23.42	24.50
		1	74	23.72	23.65	23.30	24.50
		36	0	22.39	22.27	22.41	23.50
		36	18	22.41	22.43	22.39	23.50
		36	39	22.35	22.32	22.28	23.50
		75	0	22.45	22.28	22.33	23.50
	64QAM	1	0	22.26	22.45	22.34	23.50
		1	38	22.18	22.70	22.73	23.50
		1	74	22.24	22.41	22.68	23.50
		36	0	21.31	21.42	21.34	22.50
		36	18	21.51	21.45	21.39	22.50
		36	39	21.39	21.40	21.38	22.50
		75	0	21.64	21.32	21.25	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132072	132322	132572	
20MHz	QPSK	1	0	24.65	24.83	24.55	25.50
		1	50	24.75	24.90	24.48	25.50
		1	99	24.95	25.14	25.14	25.50
		50	0	23.67	23.70	23.88	24.50
		50	25	23.77	23.80	23.79	24.50
		50	50	23.61	23.81	23.61	24.50
		100	0	23.87	23.75	23.77	24.50
	16QAM	1	0	24.14	24.04	23.80	24.50
		1	50	24.17	23.78	24.06	24.50
		1	99	23.95	23.87	23.84	24.50
		50	0	23.01	22.72	22.79	23.50
		50	25	22.89	22.84	22.73	23.50
		50	50	22.75	22.78	22.73	23.50
		100	0	22.83	22.75	22.74	23.50
	64QAM	1	0	22.30	22.45	22.30	23.50
		1	50	22.16	22.66	22.74	23.50
		1	99	22.22	22.42	22.68	23.50
		50	0	21.35	21.45	21.32	22.50
		50	25	21.50	21.45	21.43	22.50
		50	50	21.37	21.36	21.40	22.50
		100	0	21.65	21.31	21.25	22.50



LTE Band 66 Sensor on				Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				131979	132322	132665		
1.4MHz	QPSK	1	0	21.25	21.27	21.07	22.50	
		1	2	21.39	21.25	21.27	22.50	
		1	5	21.04	21.14	21.20	22.50	
		3	0	21.20	21.16	21.20	22.50	
		3	1	21.41	21.23	21.17	22.50	
		3	3	21.33	21.39	21.28	22.50	
	16QAM	6	0	21.32	21.09	21.28	22.50	
		1	0	21.33	21.44	21.29	22.50	
		1	2	21.57	21.27	21.41	22.50	
		1	5	21.43	21.29	21.32	22.50	
		3	0	21.50	21.15	21.23	22.50	
		3	1	21.42	21.37	21.15	22.50	
	64QAM	3	3	21.16	21.25	21.13	22.50	
		6	0	21.20	21.22	20.98	22.50	
		1	0	21.36	21.44	21.27	22.50	
		1	2	21.52	21.21	21.41	22.50	
		1	5	21.36	21.27	21.32	22.50	
		3	0	21.46	21.14	21.21	22.50	
	3MHz	QPSK	3	1	21.35	21.37	21.16	22.50
			3	3	21.15	21.25	21.10	22.50
			6	0	21.18	21.23	20.92	22.50
1			0	21.27	21.16	21.22	22.50	
1			7	21.45	21.40	21.34	22.50	
1			14	21.08	21.26	21.30	22.50	
16QAM		8	0	21.29	21.18	21.17	22.50	
		8	4	21.26	21.24	21.17	22.50	
		8	7	21.27	21.38	21.23	22.50	
		15	0	21.36	21.23	21.19	22.50	
		1	0	21.34	21.41	21.26	22.50	
		1	7	21.57	21.24	21.42	22.50	
64QAM		1	14	21.40	21.32	21.33	22.50	
		8	0	21.50	21.13	21.25	22.50	
		8	4	21.40	21.36	21.20	22.50	
	8	7	21.20	21.26	21.12	22.50		
	15	0	21.18	21.24	21.01	22.50		
	1	0	21.34	21.45	21.28	22.50		
64QAM	1	7	21.56	21.24	21.41	22.50		
	1	14	21.37	21.29	21.33	22.50		
	8	0	21.49	21.12	21.24	22.50		
	8	4	21.39	21.35	21.16	22.50		
	8	7	21.18	21.22	21.09	22.50		
	15	0	21.17	21.24	20.97	22.50		



Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				131997	132322	132647		
5MHz	QPSK	1	0	21.29	21.29	21.24	22.50	
		1	13	21.17	21.08	21.27	22.50	
		1	24	21.30	21.12	21.17	22.50	
		12	0	21.18	21.17	21.04	22.50	
		12	6	21.26	21.24	21.04	22.50	
		12	13	21.13	21.32	21.20	22.50	
	16QAM	25	0	21.19	21.23	21.23	22.50	
		1	0	21.38	21.41	21.26	22.50	
		1	13	21.54	21.27	21.39	22.50	
		1	24	21.42	21.27	21.33	22.50	
		12	0	21.47	21.16	21.24	22.50	
		12	6	21.38	21.41	21.18	22.50	
	64QAM	12	13	21.18	21.22	21.09	22.50	
		25	0	21.20	21.22	21.02	22.50	
		1	0	21.36	21.42	21.25	22.50	
		1	13	21.51	21.22	21.36	22.50	
		1	24	21.39	21.28	21.30	22.50	
		12	0	21.45	21.10	21.22	22.50	
	10MHz	QPSK	12	6	21.39	21.34	21.18	22.50
			12	13	21.16	21.23	21.14	22.50
			25	0	21.14	21.24	20.95	22.50
1			0	21.41	21.31	21.20	22.50	
1			25	21.30	21.28	21.33	22.50	
1			49	21.12	20.94	21.04	22.50	
16QAM		25	0	21.34	21.30	21.35	22.50	
		25	13	21.37	21.13	21.14	22.50	
		25	25	21.36	21.22	21.15	22.50	
		50	0	21.33	21.28	21.19	22.50	
		1	0	21.35	21.46	21.28	22.50	
		1	25	21.53	21.27	21.39	22.50	
64QAM		1	49	21.42	21.31	21.31	22.50	
		25	0	21.46	21.13	21.23	22.50	
		25	13	21.42	21.36	21.17	22.50	
		25	25	21.16	21.21	21.12	22.50	
		50	0	21.19	21.24	20.99	22.50	
		1	0	21.34	21.45	21.23	22.50	
64QAM		1	25	21.55	21.21	21.39	22.50	
		1	49	21.39	21.24	21.33	22.50	
		25	0	21.47	21.15	21.23	22.50	
	25	13	21.35	21.33	21.20	22.50		
	25	25	21.16	21.25	21.13	22.50		
	50	0	21.17	21.24	20.97	22.50		



Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132047	132322	132597	
15MHz	QPSK	1	0	21.45	21.40	21.56	22.50
		1	38	21.37	21.25	21.15	22.50
		1	74	21.39	21.26	21.47	22.50
		36	0	21.32	21.22	21.39	22.50
		36	18	21.34	21.33	21.37	22.50
		36	39	21.32	21.30	21.20	22.50
		75	0	21.35	21.28	21.29	22.50
	16QAM	1	0	21.33	21.43	21.29	22.50
		1	38	21.56	21.25	21.39	22.50
		1	74	21.40	21.27	21.33	22.50
		36	0	21.45	21.12	21.21	22.50
		36	18	21.42	21.38	21.17	22.50
		36	39	21.15	21.23	21.09	22.50
		75	0	21.19	21.23	21.01	22.50
	64QAM	1	0	21.34	21.43	21.23	22.50
		1	38	21.56	21.24	21.38	22.50
		1	74	21.35	21.26	21.29	22.50
		36	0	21.48	21.13	21.24	22.50
		36	18	21.39	21.33	21.18	22.50
		36	39	21.17	21.22	21.13	22.50
		75	0	21.17	21.24	20.92	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	QPSK	1	0	21.05	21.28	21.07	22.50
		1	50	21.10	21.36	21.02	22.50
		1	99	21.38	21.57	21.61	22.50
		50	0	21.28	21.22	21.29	22.50
		50	25	21.28	21.19	21.05	22.50
		50	50	21.16	21.24	21.03	22.50
		100	0	21.24	21.08	21.25	22.50
	16QAM	1	0	21.38	21.46	21.30	22.50
		1	50	21.57	21.28	21.43	22.50
		1	99	21.44	21.32	21.34	22.50
		50	0	21.50	21.17	21.26	22.50
		50	25	21.43	21.41	21.20	22.50
		50	50	21.20	21.26	21.14	22.50
		100	0	21.20	21.25	21.02	22.50
	64QAM	1	0	21.36	21.45	21.28	22.50
		1	50	21.56	21.25	21.41	22.50
		1	99	21.40	21.29	21.33	22.50
		50	0	21.49	21.15	21.24	22.50
		50	25	21.40	21.38	21.20	22.50
		50	50	21.20	21.26	21.14	22.50
		100	0	21.19	21.24	20.97	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	QPSK	1	0	21.05	21.28	21.07	22.50
		1	50	21.10	21.36	21.02	22.50
		1	99	21.38	21.57	21.61	22.50
		50	0	21.28	21.22	21.29	22.50
		50	25	21.28	21.19	21.05	22.50
		50	50	21.16	21.24	21.03	22.50
		100	0	21.24	21.08	21.25	22.50
	16QAM	1	0	21.38	21.46	21.30	22.50
		1	50	21.57	21.28	21.43	22.50
		1	99	21.44	21.32	21.34	22.50
		50	0	21.50	21.17	21.26	22.50
		50	25	21.43	21.41	21.20	22.50
		50	50	21.20	21.26	21.14	22.50
		100	0	21.20	21.25	21.02	22.50
	64QAM	1	0	21.36	21.45	21.28	22.50
		1	50	21.56	21.25	21.41	22.50
		1	99	21.40	21.29	21.33	22.50
		50	0	21.49	21.15	21.24	22.50
		50	25	21.40	21.38	21.20	22.50
		50	50	21.20	21.26	21.14	22.50
		100	0	21.19	21.24	20.97	22.50



LTE Band 38 Receiver on&Hotspot on				Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				37775	38000	38225		
5MHz	QPSK	1	0	18.59	19.01	19.24	20.00	
		1	13	18.61	19.11	19.22	20.00	
		1	24	18.64	19.01	19.21	20.00	
		12	0	18.69	19.00	19.31	20.00	
		12	6	18.73	18.98	19.33	20.00	
		12	13	18.64	19.09	19.26	20.00	
	16QAM	25	0	18.66	19.09	19.29	20.00	
		1	0	18.72	19.10	19.29	20.00	
		1	13	19.03	19.21	19.28	20.00	
		1	24	19.02	19.21	19.34	20.00	
		12	0	18.73	19.21	19.41	20.00	
		12	6	18.80	19.29	19.27	20.00	
	64QAM	12	13	18.76	19.23	19.39	20.00	
		25	0	18.92	19.10	19.39	20.00	
		1	0	18.70	19.06	19.26	20.00	
		1	13	18.95	19.18	19.21	20.00	
		1	24	19.02	19.21	19.32	20.00	
		12	0	18.69	19.12	19.38	20.00	
	10MHz	QPSK	12	6	18.84	19.27	19.26	20.00
			12	13	18.75	19.20	19.35	20.00
			25	0	18.90	19.07	19.31	20.00
1			0	18.68	19.13	19.08	20.00	
1			25	18.73	19.02	19.19	20.00	
1			49	18.76	19.17	19.29	20.00	
16QAM		25	0	18.71	19.20	19.34	20.00	
		25	13	18.75	19.10	19.40	20.00	
		25	25	18.84	19.06	19.27	20.00	
		50	0	18.99	19.04	19.29	20.00	
		1	0	18.69	19.12	19.31	20.00	
		1	25	19.00	19.21	19.27	20.00	
64QAM		1	49	19.00	19.21	19.33	20.00	
		25	0	18.72	19.21	19.42	20.00	
		25	13	18.84	19.31	19.27	20.00	
	25	25	18.78	19.22	19.40	20.00		
	50	0	18.92	19.10	19.34	20.00		
	1	0	18.72	19.06	19.22	20.00		
	64QAM	1	25	18.95	19.21	19.24	20.00	
		1	49	19.01	19.21	19.33	20.00	
		25	0	18.69	19.13	19.37	20.00	
		25	13	18.82	19.27	19.26	20.00	
		25	25	18.76	19.18	19.36	20.00	
		50	0	18.89	19.02	19.33	20.00	



Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	18.72	18.95	19.30	20.00
		1	38	18.79	19.18	19.27	20.00
		1	74	18.90	19.33	19.40	20.00
		36	0	18.63	18.91	19.28	20.00
		36	18	18.82	19.10	19.23	20.00
		36	39	18.90	19.15	19.27	20.00
		75	0	18.89	19.06	19.37	20.00
	16QAM	1	0	18.69	19.09	19.27	20.00
		1	38	19.02	19.20	19.28	20.00
		1	74	18.97	19.23	19.36	20.00
		36	0	18.72	19.20	19.40	20.00
		36	18	18.80	19.32	19.29	20.00
		36	39	18.78	19.26	19.41	20.00
		75	0	18.96	19.09	19.35	20.00
	64QAM	1	0	18.72	19.06	19.24	20.00
		1	38	18.98	19.17	19.23	20.00
		1	74	19.00	19.23	19.29	20.00
		36	0	18.70	19.17	19.38	20.00
		36	18	18.83	19.29	19.29	20.00
		36	39	18.77	19.21	19.37	20.00
		75	0	18.90	19.07	19.35	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	QPSK	1	0	18.50	19.03	19.24	20.00
		1	50	18.78	19.18	19.27	20.00
		1	99	18.91	19.31	19.43	20.00
		50	0	18.73	19.02	19.23	20.00
		50	25	18.73	19.18	19.27	20.00
		50	50	18.82	19.30	19.43	20.00
		100	0	18.76	19.12	19.23	20.00
	16QAM	1	0	18.74	19.12	19.31	20.00
		1	50	19.04	19.24	19.30	20.00
		1	99	19.02	19.25	19.37	20.00
		50	0	18.77	19.21	19.42	20.00
		50	25	18.84	19.33	19.31	20.00
		50	50	18.81	19.27	19.41	20.00
		100	0	18.96	19.11	19.39	20.00
	64QAM	1	0	18.72	19.08	19.26	20.00
		1	50	18.99	19.21	19.26	20.00
		1	99	19.02	19.24	19.34	20.00
		50	0	18.73	19.17	19.38	20.00
		50	25	18.84	19.29	19.29	20.00
		50	50	18.79	19.23	19.37	20.00
		100	0	18.93	19.07	19.35	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	QPSK	1	0	18.50	19.03	19.24	20.00
		1	50	18.78	19.18	19.27	20.00
		1	99	18.91	19.31	19.43	20.00
		50	0	18.73	19.02	19.23	20.00
		50	25	18.73	19.18	19.27	20.00
		50	50	18.82	19.30	19.43	20.00
		100	0	18.76	19.12	19.23	20.00
	16QAM	1	0	18.74	19.12	19.31	20.00
		1	50	19.04	19.24	19.30	20.00
		1	99	19.02	19.25	19.37	20.00
		50	0	18.77	19.21	19.42	20.00
		50	25	18.84	19.33	19.31	20.00
		50	50	18.81	19.27	19.41	20.00
		100	0	18.96	19.11	19.39	20.00
	64QAM	1	0	18.72	19.08	19.26	20.00
		1	50	18.99	19.21	19.26	20.00
		1	99	19.02	19.24	19.34	20.00
		50	0	18.73	19.17	19.38	20.00
		50	25	18.84	19.29	19.29	20.00
		50	50	18.79	19.23	19.37	20.00
		100	0	18.93	19.07	19.35	20.00



LTE Band 38 Receiver off&Hotspot off&Sensor off				Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				37775	38000	38225		
5MHz	QPSK	1	0	24.01	24.53	24.56	25.50	
		1	13	24.06	24.52	24.44	25.50	
		1	24	24.19	24.45	24.65	25.50	
		12	0	23.16	23.50	23.67	24.50	
		12	6	23.17	23.56	23.72	24.50	
		12	13	23.21	23.60	23.76	24.50	
	16QAM	25	0	23.17	23.60	23.58	24.50	
		1	0	23.10	23.46	23.64	24.50	
		1	13	22.98	23.49	23.51	24.50	
		1	24	23.05	23.47	23.54	24.50	
		12	0	22.12	22.48	22.88	23.50	
		12	6	22.07	22.47	22.72	23.50	
	64QAM	12	13	22.09	22.65	22.80	23.50	
		25	0	21.97	22.41	22.61	23.50	
		1	0	22.10	22.44	22.61	23.50	
		1	13	21.96	22.47	22.50	23.50	
		1	24	22.04	22.42	22.52	23.50	
		12	0	21.09	21.45	21.84	22.50	
	10MHz	QPSK	12	6	21.02	21.46	21.67	22.50
			12	13	21.09	21.61	21.80	22.50
			25	0	20.96	21.36	21.56	22.50
1			0	24.12	24.59	24.74	25.50	
1			25	24.24	24.49	24.54	25.50	
1			49	24.61	24.54	24.75	25.50	
16QAM		25	0	23.25	23.55	23.67	24.50	
		25	13	23.40	23.52	23.67	24.50	
		25	25	23.35	23.59	23.91	24.50	
		50	0	23.23	23.50	23.71	24.50	
		1	0	23.08	23.58	23.71	24.50	
		1	25	23.24	23.49	23.66	24.50	
64QAM	1	49	23.54	23.58	23.85	24.50		
	25	0	22.17	22.58	22.74	23.50		
	25	13	22.24	22.64	22.69	23.50		
	25	25	22.40	22.58	22.87	23.50		
	50	0	22.35	22.75	22.77	23.50		
	1	0	22.09	22.42	22.64	23.50		
64QAM	1	25	21.96	22.47	22.46	23.50		
	1	49	22.02	22.43	22.50	23.50		
	25	0	21.08	21.45	21.84	22.50		
	25	13	21.05	21.43	21.70	22.50		
	25	25	21.06	21.61	21.76	22.50		
	50	0	20.92	21.38	21.58	22.50		



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

Report No.: AR/2020/8000508

Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	24.22	24.71	24.51	25.50
		1	38	24.44	24.48	24.49	25.50
		1	74	24.64	24.52	24.67	25.50
		36	0	23.33	23.64	23.73	24.50
		36	18	23.27	23.67	23.61	24.50
		36	39	23.32	23.49	23.78	24.50
		75	0	23.33	23.64	23.69	24.50
	16QAM	1	0	23.15	23.40	23.55	24.50
		1	38	23.31	23.47	23.68	24.50
		1	74	23.46	23.58	23.86	24.50
		36	0	22.28	22.54	22.65	23.50
		36	18	22.46	22.62	22.83	23.50
		36	39	22.18	22.71	22.84	23.50
		75	0	22.26	22.48	22.81	23.50
	64QAM	1	0	22.10	22.42	22.64	23.50
		1	38	21.98	22.49	22.49	23.50
		1	74	22.05	22.42	22.53	23.50
		36	0	21.07	21.47	21.85	22.50
		36	18	21.04	21.45	21.71	22.50
		36	39	21.07	21.60	21.75	22.50
		75	0	20.97	21.37	21.57	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	23.97	24.32	24.69	25.50
		1	50	24.17	24.26	24.77	25.50
		1	99	24.31	24.41	24.76	25.50
		50	0	23.15	23.60	23.60	24.50
		50	25	23.20	23.62	23.66	24.50
		50	50	23.54	23.62	23.65	24.50
		100	0	23.20	23.45	23.75	24.50
	16QAM	1	0	23.02	23.49	23.56	24.50
		1	50	23.20	23.41	23.54	24.50
		1	99	23.39	23.55	23.69	24.50
		50	0	22.07	22.64	22.69	23.50
		50	25	22.38	22.41	22.82	23.50
		50	50	22.41	22.81	22.88	23.50
		100	0	22.33	22.41	22.63	23.50
	64QAM	1	0	22.05	22.41	22.60	23.50
		1	50	21.97	22.44	22.48	23.50
		1	99	22.02	22.44	22.49	23.50
		50	0	21.09	21.45	21.85	22.50
		50	25	21.02	21.44	21.67	22.50
		50	50	21.06	21.61	21.80	22.50
		100	0	20.93	21.41	21.56	22.50



LTE Band 38 Sensor on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	21.23	21.61	21.49	22.50
		1	13	21.34	21.62	21.60	22.50
		1	24	21.47	21.57	21.76	22.50
		12	0	21.35	21.55	21.79	22.50
		12	6	21.39	21.45	21.78	22.50
		12	13	21.26	21.61	21.70	22.50
		25	0	21.46	21.74	21.73	22.50
	16QAM	1	0	21.03	21.36	21.62	22.50
		1	13	21.19	21.34	21.62	22.50
		1	24	21.49	21.52	21.61	22.50
		12	0	21.24	21.43	21.72	22.50
		12	6	21.42	21.68	21.74	22.50
		12	13	21.38	21.78	21.70	22.50
		25	0	21.37	21.63	21.71	22.50
	64QAM	1	0	21.04	21.34	21.61	22.50
		1	13	21.18	21.37	21.56	22.50
		1	24	21.49	21.54	21.63	22.50
		12	0	21.23	21.44	21.68	22.50
		12	6	21.41	21.61	21.72	22.50
		12	13	21.39	21.71	21.61	22.50
		25	0	21.36	21.62	21.68	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	20.86	21.54	21.54	22.50
		1	25	21.07	21.48	21.66	22.50
		1	49	21.32	21.76	21.68	22.50
		25	0	21.04	21.33	21.70	22.50
		25	13	21.23	21.46	21.56	22.50
		25	25	21.28	21.76	21.78	22.50
		50	0	21.35	21.45	21.77	22.50
	16QAM	1	0	21.04	21.36	21.67	22.50
		1	25	21.23	21.34	21.63	22.50
		1	49	21.48	21.54	21.58	22.50
		25	0	21.27	21.44	21.73	22.50
		25	13	21.39	21.66	21.72	22.50
		25	25	21.38	21.78	21.67	22.50
		50	0	21.37	21.68	21.69	22.50
	64QAM	1	0	21.06	21.30	21.62	22.50
		1	25	21.14	21.34	21.55	22.50
		1	49	21.50	21.52	21.62	22.50
		25	0	21.24	21.43	21.68	22.50
		25	13	21.43	21.60	21.69	22.50
		25	25	21.39	21.71	21.65	22.50
		50	0	21.41	21.61	21.65	22.50



Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	21.28	21.61	21.56	22.50
		1	38	21.41	21.55	21.60	22.50
		1	74	21.53	21.60	21.75	22.50
		36	0	21.40	21.56	21.74	22.50
		36	18	21.37	21.44	21.76	22.50
		36	39	21.33	21.61	21.80	22.50
		75	0	21.38	21.75	21.77	22.50
	16QAM	1	0	21.08	21.37	21.66	22.50
		1	38	21.23	21.35	21.60	22.50
		1	74	21.48	21.52	21.60	22.50
		36	0	21.27	21.43	21.72	22.50
		36	18	21.42	21.63	21.74	22.50
		36	39	21.39	21.77	21.68	22.50
		75	0	21.41	21.68	21.69	22.50
	64QAM	1	0	21.02	21.32	21.59	22.50
		1	38	21.18	21.38	21.56	22.50
		1	74	21.52	21.53	21.62	22.50
		36	0	21.24	21.41	21.70	22.50
		36	18	21.40	21.58	21.68	22.50
		36	39	21.40	21.73	21.64	22.50
		75	0	21.38	21.64	21.67	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	20.97	21.49	21.61	22.50
		1	50	21.41	21.81	21.81	22.50
		1	99	21.37	21.68	21.71	22.50
		50	0	21.05	21.47	21.81	22.50
		50	25	21.30	21.43	21.59	22.50
		50	50	21.30	21.80	21.75	22.50
		100	0	21.36	21.44	21.78	22.50
	16QAM	1	0	21.08	21.40	21.67	22.50
		1	50	21.23	21.39	21.63	22.50
		1	99	21.53	21.56	21.63	22.50
		50	0	21.29	21.47	21.75	22.50
		50	25	21.44	21.68	21.77	22.50
		50	50	21.42	21.80	21.71	22.50
		100	0	21.41	21.68	21.74	22.50
	64QAM	1	0	21.06	21.35	21.62	22.50
		1	50	21.18	21.39	21.59	22.50
		1	99	21.53	21.56	21.63	22.50
		50	0	21.26	21.45	21.73	22.50
		50	25	21.44	21.63	21.73	22.50
		50	50	21.40	21.76	21.66	22.50
		100	0	21.41	21.64	21.70	22.50



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

Report No.: AR/2020/8000508

LTE Band 41 Receiver on&Hotspot on				Conducted Power(dBm)				Tune up	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel		
				40065	40448	40832	41215		
5MHz	QPSK	1	0	18.96	19.18	19.57	19.53	20.50	
		1	13	18.89	19.20	19.44	19.72	20.50	
		1	24	19.01	19.14	19.46	19.69	20.50	
		12	0	18.95	19.08	19.49	19.74	20.50	
		12	6	18.93	19.30	19.49	19.73	20.50	
		12	13	18.99	19.19	19.62	19.55	20.50	
	16QAM	25	0	19.11	19.14	19.56	19.67	20.50	
		1	0	19.17	19.07	19.61	19.42	20.50	
		1	13	19.06	19.38	19.47	19.41	20.50	
		1	24	19.23	19.45	19.19	19.62	20.50	
		12	0	19.17	19.12	19.55	19.72	20.50	
		12	6	19.10	19.43	19.56	19.58	20.50	
	64QAM	12	13	19.15	19.39	19.64	19.42	20.50	
		25	0	19.14	19.34	19.64	19.54	20.50	
		1	0	19.17	19.08	19.59	19.42	20.50	
		1	13	19.01	19.36	19.48	19.41	20.50	
		1	24	19.19	19.46	19.14	19.56	20.50	
		12	0	19.14	19.13	19.50	19.67	20.50	
	10MHz	QPSK	12	6	19.08	19.41	19.53	19.55	20.50
			12	13	19.10	19.42	19.58	19.40	20.50
			25	0	19.11	19.36	19.59	19.49	20.50
1			0	18.96	19.15	19.56	19.66	20.50	
1			25	18.93	19.16	19.61	19.59	20.50	
1			49	18.99	19.20	19.61	19.53	20.50	
16QAM		25	0	18.98	19.29	19.48	19.57	20.50	
		25	13	19.03	19.21	19.52	19.61	20.50	
		25	25	19.04	19.27	19.65	19.65	20.50	
		50	0	19.06	19.21	19.50	19.60	20.50	
		1	0	19.15	19.07	19.57	19.40	20.50	
		1	25	19.02	19.36	19.46	19.43	20.50	
64QAM		1	49	19.21	19.45	19.17	19.60	20.50	
		25	0	19.22	19.14	19.52	19.69	20.50	
		25	13	19.07	19.46	19.58	19.54	20.50	
	25	25	19.15	19.39	19.62	19.43	20.50		
	50	0	19.13	19.33	19.64	19.55	20.50		
	1	0	19.14	19.09	19.58	19.44	20.50		
64QAM	1	25	19.01	19.34	19.46	19.40	20.50		
	1	49	19.20	19.42	19.15	19.56	20.50		
	25	0	19.15	19.13	19.51	19.67	20.50		
	25	13	19.05	19.38	19.57	19.53	20.50		
	25	25	19.13	19.40	19.54	19.42	20.50		
	50	0	19.10	19.36	19.59	19.48	20.50		



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

Report No.: AR/2020/8000508

Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up	
				40115	40465	40815	41165		
15MHz	QPSK	1	0	19.13	19.15	19.42	19.70	20.50	
		1	38	18.92	19.16	19.34	19.54	20.50	
		1	74	19.10	19.44	19.63	19.60	20.50	
		36	0	19.06	19.14	19.53	19.62	20.50	
		36	18	19.07	19.26	19.65	19.56	20.50	
		36	39	19.05	19.36	19.60	19.41	20.50	
	16QAM	75	0	19.05	19.22	19.66	19.62	20.50	
		1	0	19.17	19.11	19.57	19.45	20.50	
		1	38	19.05	19.37	19.48	19.46	20.50	
		1	74	19.20	19.49	19.17	19.61	20.50	
		36	0	19.19	19.15	19.53	19.69	20.50	
		36	18	19.09	19.44	19.54	19.56	20.50	
	64QAM	36	39	19.16	19.40	19.63	19.40	20.50	
		75	0	19.14	19.34	19.62	19.51	20.50	
		1	0	19.13	19.07	19.55	19.44	20.50	
		1	38	18.97	19.38	19.50	19.42	20.50	
		1	74	19.19	19.45	19.15	19.61	20.50	
		36	0	19.14	19.14	19.54	19.66	20.50	
	20MHz	QPSK	36	18	19.08	19.39	19.57	19.56	20.50
			36	39	19.13	19.43	19.58	19.41	20.50
			75	0	19.11	19.34	19.63	19.49	20.50
1			0	19.07	19.19	19.70	19.76	20.50	
1			50	19.02	19.18	19.59	19.41	20.50	
1			99	18.84	19.44	19.63	19.56	20.50	
16QAM		50	0	19.11	19.08	19.60	19.67	20.50	
		50	25	19.01	19.29	19.56	19.61	20.50	
		50	50	19.03	19.34	19.63	19.60	20.50	
		100	0	19.01	19.24	19.54	19.49	20.50	
		1	0	19.20	19.12	19.62	19.45	20.50	
		1	50	19.06	19.38	19.51	19.46	20.50	
64QAM		1	99	19.23	19.50	19.19	19.63	20.50	
		50	0	19.22	19.16	19.56	19.72	20.50	
		50	25	19.11	19.46	19.58	19.58	20.50	
		50	50	19.19	19.43	19.64	19.45	20.50	
		100	0	19.17	19.36	19.65	19.56	20.50	
		1	0	19.18	19.09	19.60	19.45	20.50	
64QAM		1	50	19.01	19.38	19.50	19.45	20.50	
		1	99	19.22	19.47	19.19	19.61	20.50	
		50	0	19.17	19.16	19.55	19.67	20.50	
	50	25	19.10	19.43	19.58	19.56	20.50		
	50	50	19.14	19.43	19.59	19.44	20.50		
	100	0	19.14	19.36	19.63	19.52	20.50		



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

Report No.: AR/2020/8000508

LTE Band 41 Sensor on				Conducted Power(dBm)				Tune up	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel		
				40065	40448	40832	41215		
5MHz	QPSK	1	0	20.92	21.14	21.54	21.50	22.50	
		1	13	20.89	21.20	21.42	21.70	22.50	
		1	24	21.01	21.12	21.45	21.68	22.50	
		12	0	20.92	21.08	21.44	21.72	22.50	
		12	6	20.89	21.27	21.44	21.71	22.50	
		12	13	20.96	21.16	21.57	21.53	22.50	
	16QAM	25	0	21.10	21.14	21.53	21.67	22.50	
		1	0	21.14	21.04	21.62	21.45	22.50	
		1	13	21.00	21.38	21.44	21.43	22.50	
		1	24	21.16	21.44	21.13	21.62	22.50	
		12	0	21.19	21.13	21.55	21.67	22.50	
		12	6	21.04	21.43	21.56	21.52	22.50	
	64QAM	12	13	21.16	21.37	21.62	21.40	22.50	
		25	0	21.13	21.31	21.62	21.54	22.50	
		1	0	21.11	21.01	21.57	21.42	22.50	
		1	13	20.96	21.34	21.41	21.42	22.50	
		1	24	21.12	21.41	21.09	21.54	22.50	
		12	0	21.12	21.09	21.54	21.62	22.50	
	10MHz	QPSK	12	6	21.04	21.44	21.56	21.46	22.50
			12	13	21.10	21.35	21.60	21.34	22.50
			25	0	21.11	21.25	21.56	21.55	22.50
1			0	20.93	21.10	21.56	21.65	22.50	
1			25	20.88	21.12	21.59	21.54	22.50	
1			49	20.99	21.18	21.57	21.52	22.50	
16QAM		25	0	20.97	21.29	21.48	21.57	22.50	
		25	13	20.98	21.19	21.47	21.58	22.50	
		25	25	21.00	21.27	21.65	21.61	22.50	
		50	0	21.01	21.18	21.48	21.55	22.50	
		1	0	21.13	21.04	21.59	21.43	22.50	
		1	25	21.00	21.33	21.46	21.43	22.50	
64QAM		1	49	21.14	21.46	21.13	21.60	22.50	
		25	0	21.17	21.11	21.52	21.65	22.50	
		25	13	21.02	21.40	21.54	21.54	22.50	
		25	25	21.12	21.39	21.64	21.41	22.50	
		50	0	21.12	21.30	21.62	21.51	22.50	
		1	0	21.10	21.02	21.56	21.42	22.50	
64QAM		1	25	20.92	21.32	21.38	21.37	22.50	
		1	49	21.14	21.40	21.11	21.54	22.50	
		25	0	21.13	21.14	21.52	21.60	22.50	
	25	13	21.05	21.40	21.56	21.47	22.50		
	25	25	21.12	21.35	21.56	21.39	22.50		
	50	0	21.09	21.27	21.61	21.54	22.50		



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

Report No.: AR/2020/8000508

Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up	
				40115	40465	40815	41165		
15MHz	QPSK	1	0	21.10	21.10	21.41	21.70	22.50	
		1	38	20.88	21.15	21.34	21.51	22.50	
		1	74	21.07	21.43	21.70	21.58	22.50	
		36	0	21.02	21.14	21.51	21.59	22.50	
		36	18	21.03	21.22	21.60	21.52	22.50	
		36	39	21.03	21.35	21.56	21.40	22.50	
	16QAM	75	0	21.01	21.17	21.64	21.61	22.50	
		1	0	21.17	21.06	21.62	21.44	22.50	
		1	38	20.99	21.38	21.47	21.43	22.50	
		1	74	21.15	21.43	21.16	21.58	22.50	
		36	0	21.17	21.09	21.56	21.64	22.50	
		36	18	21.05	21.42	21.54	21.50	22.50	
	64QAM	36	39	21.11	21.39	21.62	21.44	22.50	
		75	0	21.12	21.27	21.59	21.52	22.50	
		1	0	21.14	20.99	21.61	21.40	22.50	
		1	38	20.92	21.36	21.37	21.37	22.50	
		1	74	21.11	21.39	21.09	21.57	22.50	
		36	0	21.11	21.11	21.51	21.61	22.50	
	20MHz	QPSK	36	18	21.05	21.44	21.52	21.46	22.50
			36	39	21.11	21.30	21.59	21.36	22.50
			75	0	21.07	21.22	21.59	21.56	22.50
1			0	21.07	21.18	21.65	21.74	22.50	
1			50	20.97	21.15	21.59	21.38	22.50	
1			99	20.83	21.42	21.61	21.55	22.50	
16QAM		50	0	21.08	21.03	21.55	21.65	22.50	
		50	25	21.00	21.27	21.53	21.57	22.50	
		50	50	20.99	21.30	21.58	21.55	22.50	
		100	0	20.96	21.23	21.52	21.47	22.50	
		1	0	21.17	21.07	21.62	21.45	22.50	
		1	50	21.01	21.38	21.47	21.46	22.50	
64QAM	1	99	21.19	21.47	21.16	21.63	22.50		
	50	0	21.20	21.14	21.56	21.69	22.50		
	50	25	21.07	21.45	21.57	21.55	22.50		
	50	50	21.16	21.40	21.64	21.44	22.50		
	100	0	21.15	21.32	21.63	21.56	22.50		
	1	0	21.14	21.04	21.61	21.45	22.50		
64QAM	1	50	20.97	21.36	21.42	21.42	22.50		
	1	99	21.14	21.42	21.13	21.59	22.50		
	50	0	21.16	21.14	21.54	21.64	22.50		
	50	25	21.07	21.45	21.57	21.50	22.50		
	50	50	21.14	21.35	21.60	21.39	22.50		
	100	0	21.11	21.27	21.61	21.56	22.50		



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

Report No.: AR/2020/8000508

LTE Band 41 Receiver off&Hotspot off&Sensor off				Conducted Power(dBm)				Tune up	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel		
				40065	40448	40832	41215		
5MHz	QPSK	1	0	23.96	24.18	24.39	24.53	25.50	
		1	13	23.95	24.34	24.33	24.50	25.50	
		1	24	23.95	24.18	24.23	24.54	25.50	
		12	0	22.85	23.32	23.42	23.55	24.50	
		12	6	22.88	23.17	23.61	23.51	24.50	
		12	13	23.09	23.33	23.34	23.55	24.50	
	16QAM	25	0	23.06	23.27	23.51	23.59	24.50	
		1	0	23.05	23.18	23.45	23.44	24.50	
		1	13	22.96	23.25	23.47	23.50	24.50	
		1	24	23.03	23.22	23.39	23.47	24.50	
		12	0	22.07	22.32	22.47	22.50	23.50	
		12	6	21.96	22.33	22.47	22.71	23.50	
	64QAM	12	13	21.99	22.35	22.64	22.57	23.50	
		25	0	21.90	22.15	22.36	22.49	23.50	
		1	0	22.05	22.13	22.42	22.40	23.50	
		1	13	21.92	22.25	22.45	22.47	23.50	
		1	24	22.02	22.21	22.36	22.46	23.50	
		12	0	21.03	21.30	21.47	21.49	22.50	
	10MHz	QPSK	12	6	20.92	21.32	21.42	21.70	22.50
			12	13	20.97	21.33	21.64	21.55	22.50
			25	0	20.85	21.15	21.31	21.46	22.50
1			0	23.94	24.36	24.51	24.50	25.50	
1			25	23.94	24.42	24.39	24.51	25.50	
1			49	24.04	24.34	24.38	24.52	25.50	
16QAM		25	0	22.99	23.25	23.47	23.56	24.50	
		25	13	23.01	23.39	23.43	23.72	24.50	
		25	25	23.10	23.34	23.39	23.62	24.50	
		50	0	23.05	23.41	23.47	23.66	24.50	
		1	0	23.08	23.35	23.45	23.58	24.50	
		1	25	23.00	23.21	23.46	23.60	24.50	
64QAM		1	49	23.15	23.24	23.44	23.59	24.50	
		25	0	22.17	22.29	22.59	22.65	23.50	
		25	13	22.08	22.31	22.63	22.65	23.50	
	25	25	22.03	22.33	22.63	22.70	23.50		
	50	0	21.92	22.24	22.35	22.59	23.50		
	1	0	22.05	22.17	22.41	22.41	23.50		
64QAM	1	25	21.95	22.20	22.46	22.45	23.50		
	1	49	22.03	22.20	22.37	22.42	23.50		
	25	0	21.06	21.28	21.44	21.45	22.50		
	25	13	20.93	21.31	21.47	21.69	22.50		
	25	25	20.99	21.35	21.60	21.56	22.50		
	50	0	20.90	21.11	21.36	21.44	22.50		



Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up
				40115	40465	40815	41165	
15MHz	QPSK	1	0	24.17	24.18	24.47	24.36	25.50
		1	38	23.89	24.36	24.43	24.54	25.50
		1	74	24.07	24.52	24.50	24.44	25.50
		36	0	23.02	23.10	23.52	23.55	24.50
		36	18	22.99	23.25	23.39	23.45	24.50
		36	39	23.03	23.36	23.53	23.39	24.50
		75	0	23.07	23.37	23.63	23.54	24.50
	16QAM	1	0	23.05	23.15	23.45	23.43	24.50
		1	38	22.94	23.40	23.42	23.41	24.50
		1	74	23.03	23.55	23.66	23.48	24.50
		36	0	22.03	22.25	22.43	22.48	23.50
		36	18	21.95	22.31	22.60	22.43	23.50
		36	39	21.67	22.42	22.61	22.36	23.50
		75	0	22.08	22.21	22.60	22.63	23.50
	64QAM	1	0	22.01	22.13	22.45	22.44	23.50
		1	38	21.92	22.24	22.43	22.49	23.50
		1	74	21.99	22.22	22.38	22.43	23.50
		36	0	21.04	21.31	21.42	21.50	22.50
		36	18	20.93	21.32	21.42	21.68	22.50
		36	39	20.95	21.32	21.59	21.52	22.50
		75	0	20.89	21.11	21.34	21.47	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up
20MHz	QPSK	1	0	23.89	24.02	23.95	24.55	25.50
		1	50	23.92	24.18	24.30	24.50	25.50
		1	99	23.89	24.38	24.54	24.14	25.50
		50	0	23.05	23.09	23.63	23.63	24.50
		50	25	23.00	23.43	23.39	23.35	24.50
		50	50	23.03	23.20	23.55	23.37	24.50
		100	0	23.13	23.11	23.66	23.35	24.50
	16QAM	1	0	23.04	23.05	23.08	23.41	24.50
		1	50	22.92	23.06	23.37	23.39	24.50
		1	99	22.98	23.13	23.59	23.37	24.50
		50	0	22.10	22.23	22.58	22.48	23.50
		50	25	22.12	22.39	22.61	22.45	23.50
		50	50	21.94	22.23	22.74	22.56	23.50
		100	0	22.06	22.10	22.69	22.34	23.50
	64QAM	1	0	22.04	22.13	22.40	22.39	23.50
		1	50	21.95	22.25	22.43	22.45	23.50
		1	99	21.99	22.19	22.34	22.42	23.50
		50	0	21.06	21.32	21.45	21.50	22.50
		50	25	20.95	21.32	21.47	21.69	22.50
		50	50	20.94	21.30	21.63	21.57	22.50
		100	0	20.85	21.10	21.34	21.47	22.50

Table 12 : Conducted Power of LTE

2 Conducted Power of Uplink CA and Downlink CA

2.1.1 Uplink LTE CA Conducted Power of Ant3

Combination	Modulation	PCC						SCC					Receiver on/Hotspot on		Receiver off/Hotspot off	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	DL Channel	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	Tune-up(dBm)	Power	Tune-up(dBm)
CA_7C	QPSK	7	20	20850	1	99	2850	7	20	21048	1	0	17.02	18.00	19.41	20.00
CA_7C	QPSK	7	20	21100	1	99	3100	7	20	21298	1	0	17.05	18.00	19.33	20.00
CA_7C	QPSK	7	20	21100	1	0	3100	7	20	20902	1	99	17.06	18.00	19.43	20.00
CA_7C	QPSK	7	20	21350	1	0	3350	7	20	21152	1	99	16.92	18.00	19.27	20.00
Combination	Modulation	PCC						SCC					Receiver on/Hotspot on		Receiver off/Hotspot off	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	DL Channel	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	Tune-up(dBm)	Power	Tune-up(dBm)
CA_38C	QPSK	38	20	37850	1	99	37850	38	20	38048	1	0	18.51	19.50	22.79	23.50
CA_38C	QPSK	38	20	37901	1	99	37901	38	20	38099	1	0	18.44	19.50	22.65	23.50
CA_38C	QPSK	38	20	38099	1	0	38099	38	20	37901	1	99	18.40	19.50	22.59	23.50
CA_38C	QPSK	38	20	38150	1	0	38150	38	20	37952	1	99	18.32	19.50	22.61	23.50
Combination	Modulation	PCC						SCC					Receiver on/Hotspot on		Receiver off/Hotspot off	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	DL Channel	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	tune-up(dBm)	Power	tune-up(dBm)
CA_41C	QPSK	41	20	40140	1	99	40140	41	20	40338	1	0	19.20	20.00	23.11	24.00
CA_41C	QPSK	41	20	40473	1	99	40473	41	20	40671	1	0	19.25	20.00	23.06	24.00
CA_41C	QPSK	41	20	40473	1	0	40473	41	20	40275	1	99	19.21	20.00	23.10	24.00
CA_41C	QPSK	41	20	40807	1	99	40807	41	20	41005	1	0	19.13	20.00	23.01	24.00
CA_41C	QPSK	41	20	40807	1	0	40807	41	20	40609	1	99	19.08	20.00	23.00	24.00
CA_41C	QPSK	41	20	41140	1	0	41140	41	20	40942	1	99	19.14	20.00	22.98	24.00

Table 13 : Conducted Power of UL CA



2.1.2 Uplink LTE CA Conducted Power of Ant5

Combination	Modulation	PCC						SCC					Receiver on/Hotspot on		Receiver off/Hotspot off/Sensor off		Sensor on	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	DL Channel	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	Tune-up(dBm)	Power	Tune-up(dBm)	Power	Tune-up(dBm)
CA_7C	QPSK	7	20	20850	1	99	2850	7	20	21048	1	0	16.01	17.50	23.99	25.50	19.11	20.50
CA_7C	QPSK	7	20	21100	1	99	3100	7	20	21298	1	0	15.93	17.50	24.01	25.50	19.15	20.50
CA_7C	QPSK	7	20	21100	1	0	3100	7	20	20902	1	99	16.03	17.50	23.98	25.50	19.06	20.50
CA_7C	QPSK	7	20	21350	1	0	3350	7	20	21152	1	99	16.02	17.50	24.19	25.50	19.20	20.50
Combination	Modulation	PCC						SCC					Receiver on/Hotspot on		Receiver off/Hotspot off/Sensor off		Sensor on	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	DL Channel	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	Tune-up(dBm)	Power	Tune-up(dBm)	Power	Tune-up(dBm)
CA_38C	QPSK	38	20	37850	1	99	37850	38	20	38048	1	0	19.30	20.00	24.51	25.50	21.66	22.50
CA_38C	QPSK	38	20	37901	1	99	37901	38	20	38099	1	0	19.25	20.00	24.60	25.50	21.70	22.50
CA_38C	QPSK	38	20	38099	1	0	38099	38	20	37901	1	99	19.11	20.00	24.44	25.50	21.69	22.50
CA_38C	QPSK	38	20	38150	1	0	38150	38	20	37952	1	99	19.31	20.00	24.70	25.50	21.58	22.50
Combination	Modulation	PCC						SCC					Receiver on/Hotspot on		Receiver off/Hotspot off/Sensor off		Sensor on	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	DL Channel	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	tune-up(dBm)	Power	tune-up(dBm)	Power	tune-up(dBm)
CA_41C	QPSK	41	20	40140	1	99	40140	41	20	40338	1	0	19.01	20.50	23.85	25.50	20.81	22.50
CA_41C	QPSK	41	20	40473	1	99	40473	41	20	40671	1	0	19.08	20.50	24.01	25.50	20.99	22.50
CA_41C	QPSK	41	20	40473	1	0	40473	41	20	40275	1	99	19.11	20.50	24.12	25.50	20.89	22.50
CA_41C	QPSK	41	20	40807	1	99	40807	41	20	41005	1	0	19.35	20.50	24.32	25.50	21.47	22.50
CA_41C	QPSK	41	20	40807	1	0	40807	41	20	40609	1	99	19.41	20.50	24.25	25.50	21.51	22.50
CA_41C	QPSK	41	20	41140	1	0	41140	41	20	40942	1	99	19.60	20.50	24.47	25.50	21.66	22.50

Table 14 : Conducted Power of UL CA

2.1.3 Downlink LTE CA Conducted Power of Main Ant(Ant1/5)

DL LTE CA Class	Receiver on&Hotspot on																		
	PCC								SCC1				SCC2				Power(dBm)		
	LTE Band	BW (MHz)	Modulation	UL Freq. (MHz)	UL Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL LTE CA Tx.Power	LTE Rel 8 Tx.Power	Tune-up	
CA_38C	Band 38	20M	QPSK	2610	38150	1	99	Band 38	20M	2590.2	37952	/	/	/	/	19.34	19.43	20.00	
CA_41C	Band 41	20M	QPSK	2645	41140	1	0	Band 41	20M	2625.2	40942	/	/	/	/	19.63	19.76	20.50	
CA_41A-41A	Band 41	20M	QPSK	2645	41140	1	0	Band 41	20M	2545	40140	/	/	/	/	19.59	19.76	20.50	
CA_66A-66A	Band 66	20M	QPSK	1770	132572	1	99	Band 66	20M	2120	66536	/	/	/	/	16.46	16.57	17.50	
CA_2A-5A	Band 2	20M	QPSK	1900	19100	1	0	Band 5	10M	881.5	2525	/	/	/	/	17.11	17.19	18.00	
CA_2A-5A	Band 5	10M	QPSK	844	20600	1	49	Band 2	20M	1960	900	/	/	/	/	23.37	23.45	24.50	
CA_4A-5A	Band 4	20M	QPSK	1745	20300	1	50	Band 5	10M	881.5	2525	/	/	/	/	16.47	16.58	17.50	
CA_4A-5A	Band 5	10M	QPSK	844	20600	1	49	Band 4	20M	2132.5	2175	/	/	/	/	23.38	23.45	24.50	
CA_4A-7A	Band 4	20M	QPSK	1745	20300	1	50	Band 7	20M	2655	3100	/	/	/	/	16.44	16.58	17.50	
CA_4A-7A	Band 7	20M	QPSK	2510	20850	50	25	Band 4	20M	2132.5	2175	/	/	/	/	16.25	16.34	17.50	
CA_4A-7C	Band 4	20M	QPSK	1745	20300	1	50	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	16.42	16.58	17.50	
CA_4A-7C	Band 7	20M	QPSK	2510	20850	50	25	Band 7	20M	2649.8	3048	Band 4	20M	2132.5	2175	16.21	16.34	17.50	
CA_5A-7A-7A	Band 5	10M	QPSK	844	20600	1	49	Band 7	20M	2630	2850	Band 7	20M	2680	3350	23.30	23.45	24.50	
CA_5A-7A-7A	Band 7	20M	QPSK	2510	20850	50	25	Band 7	20M	2680	3350	Band 5	10M	881.5	2525	16.20	16.34	17.50	
CA_5A-7C	Band 5	10M	QPSK	844	20600	1	49	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	23.33	23.45	24.50	
CA_5A-7C	Band 7	20M	QPSK	2510	20850	50	25	Band 7	20M	2649.8	3048	Band 5	10M	881.5	2525	16.29	16.34	17.50	
DL LTE CA Class	Receiver off&Hotspot off&Sensor off																		
	PCC								SCC1				SCC2				Power(dBm)		
	LTE Band	BW (MHz)	Modulation	UL Freq. (MHz)	UL Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL LTE CA Tx.Power	LTE Rel 8 Tx.Power	Tune-up	
CA_38C	Band 38	20M	QPSK	2610	38150	1	50	Band 38	20M	2590.2	37952	/	/	/	/	24.60	24.77	25.50	
CA_41C	Band 41	20M	QPSK	2645	41140	1	0	Band 41	20M	2625.2	40942	/	/	/	/	24.36	24.55	25.50	
CA_41A-41A	Band 41	20M	QPSK	2645	41140	1	0	Band 41	20M	2545	40140	/	/	/	/	24.31	24.55	25.50	
CA_66A-66A	Band 66	20M	QPSK	1770	132572	1	99	Band 66	20M	2120	66536	/	/	/	/	25.01	25.14	25.50	
CA_2A-5A	Band 2	20M	QPSK	1900	19100	1	0	Band 5	10M	881.5	2525	/	/	/	/	24.47	24.58	25.50	
CA_2A-5A	Band 5	10M	QPSK	844	20600	1	49	Band 2	20M	1960	900	/	/	/	/	23.37	23.45	24.50	
CA_4A-5A	Band 4	20M	QPSK	1745	20300	1	99	Band 5	10M	881.5	2525	/	/	/	/	24.44	24.51	25.50	
CA_4A-5A	Band 5	10M	QPSK	844	20600	1	49	Band 4	20M	2132.5	2175	/	/	/	/	23.33	23.45	24.50	
CA_4A-7A	Band 4	20M	QPSK	1745	20300	1	99	Band 7	20M	2655	3100	/	/	/	/	24.42	24.51	25.50	
CA_4A-7A	Band 7	20M	QPSK	2560	21350	1	99	Band 4	20M	2132.5	2175	/	/	/	/	24.24	24.30	25.50	
CA_4A-7C	Band 4	20M	QPSK	1745	20300	1	99	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	24.40	24.51	25.50	
CA_4A-7C	Band 7	20M	QPSK	2560	21350	1	99	Band 7	20M	2660.2	3152	Band 4	20M	2132.5	2175	24.11	24.30	25.50	
CA_5A-7A-7A	Band 5	10M	QPSK	844	20600	1	49	Band 7	20M	2680	3350	Band 7	20M	2525	3000	23.36	23.45	24.50	
CA_5A-7A-7A	Band 7	20M	QPSK	2560	21350	1	99	Band 7	20M	2525	3000	Band 5	10M	881.5	2525	24.21	24.30	25.50	
CA_5A-7C	Band 5	10M	QPSK	844	20600	1	49	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	23.38	23.45	24.50	
CA_5A-7C	Band 7	20M	QPSK	2560	21350	1	99	Band 7	20M	2660.2	3152	Band 5	10M	881.5	2525	24.20	24.30	25.50	
DL LTE CA Class	Sensor on																		
	PCC								SCC1				SCC2				Power(dBm)		
	LTE Band	BW (MHz)	Modulation	UL Freq. (MHz)	UL Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL LTE CA Tx.Power	LTE Rel 8 Tx.Power	Tune-up	
CA_38C	Band 38	20M	QPSK	2610	38150	1	50	Band 38	20M	2590.2	37952	/	/	/	/	21.72	21.81	22.50	
CA_41C	Band 41	20M	QPSK	2645	41140	1	0	Band 41	20M	2625.2	40942	/	/	/	/	21.63	21.74	22.50	
CA_41A-41A	Band 41	20M	QPSK	2645	41140	1	0	Band 41	20M	2680	41490	/	/	/	/	21.66	21.74	22.50	
CA_66A-66A	Band 66	20M	QPSK	1770	132572	1	99	Band 66	20M	2120	66536	/	/	/	/	21.52	21.61	22.50	
CA_2A-5A	Band 2	20M	QPSK	1900	19100	1	0	Band 5	10M	881.5	2525	/	/	/	/	21.15	21.27	22.00	
CA_2A-5A	Band 5	10M	QPSK	844	20600	1	49	Band 2	20M	1960	900	/	/	/	/	23.37	23.45	24.50	
CA_4A-5A	Band 4	20M	QPSK	1745	20300	1	50	Band 5	10M	881.5	2525	/	/	/	/	22.40	22.47	23.50	
CA_4A-5A	Band 5	10M	QPSK	844	20600	1	49	Band 4	20M	2132.5	2175	/	/	/	/	23.35	23.45	24.50	
CA_4A-7A	Band 4	20M	QPSK	1745	20300	1	50	Band 7	20M	2655	3100	/	/	/	/	22.44	22.47	23.50	
CA_4A-7A	Band 7	20M	QPSK	2560	21350	1	99	Band 4	20M	2132.5	2175	/	/	/	/	19.21	19.30	20.50	
CA_4A-7C	Band 4	20M	QPSK	1745	20300	1	50	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	22.39	22.47	23.50	
CA_4A-7C	Band 7	20M	QPSK	2560	21350	1	99	Band 7	20M	2660.2	3152	Band 4	20M	2132.5	2175	19.23	19.30	20.50	
CA_5A-7A-7A	Band 5	10M	QPSK	844	20600	1	49	Band 7	20M	2630	2850	Band 7	20M	2680	3350	23.34	23.45	24.50	
CA_5A-7A-7A	Band 7	20M	QPSK	2560	21350	1	99	Band 7	20M	2525	3000	Band 5	10M	881.5	2525	19.17	19.30	20.50	
CA_5A-7C	Band 5	10M	QPSK	844	20600	1	49	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	23.36	23.45	24.50	
CA_5A-7C	Band 7	20M	QPSK	2560	21350	1	99	Band 7	20M	2660.2	3152	Band 5	10M	881.5	2525	19.18	19.30	20.50	

Table 15 : Conducted Power of DL CA



2.1.4 Downlink LTE CA Conducted Power of DIV Ant(Ant3/4)

Receiver on&Hotspot on																		
DL LTE CA Class	PCC							SCC1				SCC2				Power(dBm)		
	LTE Band	BW (MHz)	Modulation	UL Freq. (MHz)	UL Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL LTE CA Tx.Power	LTE Rel 8 Tx.Power	Tune-up
CA_38C	Band 38	20M	QPSK	2580	37850	1	0	Band 38	20M	2599.8	38048	/	/	/	/	18.51	18.66	19.50
CA_41C	Band 41	20M	QPSK	2645	41140	1	50	Band 41	20M	2625.2	40942	/	/	/	/	19.25	19.34	20.00
CA_41A-41A	Band 41	20M	QPSK	2645	41140	1	50	Band 41	20M	2545	40140	/	/	/	/	19.16	19.34	20.00
CA_66A-66A	Band 66	20M	QPSK	1720	132072	1	0	Band 66	20M	2170	67036	/	/	/	/	21.71	21.82	23.00
CA_2A-5A	Band 2	20M	QPSK	1900	19100	1	0	Band 5	10M	881.5	2525	/	/	/	/	19.55	19.66	20.50
CA_2A-5A	Band 5	10M	QPSK	844	20600	1	25	Band 2	20M	1960	900	/	/	/	/	20.51	20.66	21.50
CA_4A-5A	Band 4	20M	QPSK	1720	20050	1	0	Band 5	10M	881.5	2525	/	/	/	/	23.71	23.88	25.00
CA_4A-5A	Band 5	10M	QPSK	844	20600	1	25	Band 4	20M	2132.5	2175	/	/	/	/	20.53	20.66	21.50
CA_4A-7A	Band 4	20M	QPSK	1720	20050	1	0	Band 7	20M	2655	3100	/	/	/	/	23.75	23.88	25.00
CA_4A-7A	Band 7	20M	QPSK	2510	20850	1	0	Band 4	20M	2132.5	2175	/	/	/	/	17.40	17.51	18.00
CA_4A-7C	Band 4	20M	QPSK	1720	20050	1	0	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	23.70	23.88	25.00
CA_4A-7C	Band 7	20M	QPSK	2510	20850	1	0	Band 7	20M	2649.8	3048	Band 4	20M	2132.5	2175	17.42	17.51	18.00
CA_5A-7A-7A	Band 5	10M	QPSK	844	20600	1	25	Band 7	20M	2630	2850	Band 7	20M	2680	3350	20.55	20.66	21.50
CA_5A-7A-7A	Band 7	20M	QPSK	2510	20850	1	0	Band 7	20M	2680	3350	Band 5	10M	881.5	2525	17.45	17.51	18.00
CA_5A-7C	Band 5	10M	QPSK	844	20600	1	25	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	20.59	20.66	21.50
CA_5A-7C	Band 7	20M	QPSK	2510	20850	1	0	Band 7	20M	2649.8	3048	Band 5	10M	881.5	2525	17.38	17.51	18.00
LTE Band 38 Receiver off&Hotspot off																		
DL LTE CA Class	PCC							SCC1				SCC2				Power(dBm)		
	LTE Band	BW (MHz)	Modulation	UL Freq. (MHz)	UL Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL LTE CA Tx.Power	LTE Rel 8 Tx.Power	Tune-up
CA_38C	Band 38	20M	QPSK	2580	37850	1	0	Band 38	20M	2599.8	38048	/	/	/	/	22.77	22.83	23.50
CA_41C	Band 41	20M	QPSK	2645	41140	1	0	Band 41	20M	2625.2	40942	/	/	/	/	23.11	23.25	24.00
CA_41A-41A	Band 41	20M	QPSK	2645	41140	1	0	Band 41	20M	2545	40140	/	/	/	/	23.07	23.25	24.00
CA_66A-66A	Band 66	20M	QPSK	1720	132072	1	0	Band 66	20M	2170	67036	/	/	/	/	23.66	23.79	25.00
CA_2A-5A	Band 2	20M	QPSK	1900	19100	1	0	Band 5	10M	881.5	2525	/	/	/	/	21.82	21.91	22.50
CA_2A-5A	Band 5	10M	QPSK	844	20600	1	25	Band 2	20M	1960	900	/	/	/	/	24.13	24.26	25.50
CA_4A-5A	Band 4	20M	QPSK	1720	20050	1	0	Band 5	10M	881.5	2525	/	/	/	/	23.71	23.88	25.00
CA_4A-5A	Band 5	10M	QPSK	844	20600	1	25	Band 4	20M	2132.5	2175	/	/	/	/	24.09	24.26	25.50
CA_4A-7A	Band 4	20M	QPSK	1720	20050	1	0	Band 7	20M	2655	3100	/	/	/	/	23.75	23.88	25.00
CA_4A-7A	Band 7	20M	QPSK	2510	20850	1	50	Band 4	20M	2132.5	2175	/	/	/	/	19.53	19.66	20.00
CA_4A-7C	Band 4	20M	QPSK	1720	20050	1	0	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	23.70	23.88	25.00
CA_4A-7C	Band 7	20M	QPSK	2510	20850	1	50	Band 7	20M	2649.8	3048	Band 4	20M	2132.5	2175	19.50	19.66	20.00
CA_5A-7A-7A	Band 5	10M	QPSK	844	20600	1	25	Band 7	20M	2630	2850	Band 7	20M	2680	3350	24.12	24.26	25.50
CA_5A-7A-7A	Band 7	20M	QPSK	2510	20850	1	50	Band 7	20M	2680	3350	Band 5	10M	881.5	2525	19.53	19.66	20.00
CA_5A-7C	Band 5	10M	QPSK	844	20600	1	25	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	24.14	24.26	25.50
CA_5A-7C	Band 7	20M	QPSK	2510	20850	1	50	Band 7	20M	2649.8	3048	Band 5	10M	881.5	2525	19.58	19.66	20.00

Table 16 : Conducted Power of DL CA

3 Conducted Power of WiFi and BT

3.1.1 Conducted Power of WiFi

WiFi 2.4G Receiver off						
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11b	1	2412	1	17.00	16.21	NO
	6	2437		17.00	16.23	Yes
	11	2462		17.00	16.19	NO
802.11g	1	2412	6	15.50	14.86	NO
	6	2437		15.50	14.70	NO
	11	2462		15.50	14.86	NO
802.11n HT20 SISO	1	2412	6.5	14.50	13.81	NO
	6	2437		14.50	13.56	NO
	11	2462		14.50	13.70	NO
802.11n HT40 SISO	3	2422	13.5	13.50	12.49	NO
	6	2437		13.50	12.58	NO
	9	2452		13.50	12.43	NO

WiFi 2.4G Receiver on						
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11b	1	2412	1	15.50	14.67	Yes
	6	2437		15.50	14.65	NO
	11	2462		15.50	14.73	Yes
802.11g	1	2412	6	14.50	13.54	NO
	6	2437		14.50	13.86	NO
	11	2462		14.50	13.89	NO
802.11n HT20 SISO	1	2412	6.5	14.50	13.81	NO
	6	2437		14.50	13.56	NO
	11	2462		14.50	13.70	NO
802.11n HT40 SISO	3	2422	13.5	13.50	12.49	NO
	6	2437		13.50	12.58	NO
	9	2452		13.50	12.43	NO



WiFi 2.4G Receiver on(simultaneous transmission with (WWAN+WiFi 2.4G))						
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11b	1	2412	1	14.50	13.57	NO
	6	2437		14.50	13.69	NO
	11	2462		14.50	13.73	Yes
802.11g	1	2412	6	13.50	12.54	NO
	6	2437		13.50	12.68	NO
	11	2462		13.50	12.50	NO
802.11n HT20 SISO	1	2412	6.5	12.50	11.76	NO
	6	2437		12.50	11.65	NO
	11	2462		12.50	11.75	NO
802.11n HT40 SISO	3	2422	13.5	12.50	11.23	NO
	6	2437		12.50	11.32	NO
	9	2452		12.50	11.43	NO

WiFi 5G Receiver off							
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11a	U-NII-1	36	5180	6	17.50	16.06	NO
		40	5200		17.50	15.96	NO
		44	5220		17.50	16.13	NO
		48	5240		17.50	16.26	Yes
	U-NII-2A	52	5260		17.50	16.24	NO
		56	5280		17.50	16.43	NO
		60	5300		17.50	16.62	NO
		64	5320		17.50	16.76	Yes
	U-NII-2C	100	5500		16.50	15.46	NO
		104	5520		16.50	15.31	NO
		108	5540		16.50	15.21	NO
		112	5560		16.50	15.18	NO
		116	5580		16.50	15.11	NO
		120	5600		16.50	15.26	NO
		124	5620		16.50	15.16	NO
		128	5640		16.50	15.33	NO
		132	5660		16.50	15.34	NO
		136	5680		16.50	15.28	NO
	U-NII-3	140	5700		16.50	15.42	NO
		144	5720		16.50	15.23	NO
		149	5745		17.50	16.78	Yes
		153	5765		17.50	16.48	Yes
		157	5785		17.50	16.12	NO



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

Report No.: AR/2020/8000508

5GHz	mode	161	5805	Data Rate(Mbps)	17.50	16.01	NO
		165	5825		17.50	15.89	NO
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11n- HT20	U-NII-1	36	5180	MCS0	16.50	15.06	NO
		40	5200		16.50	14.89	NO
		44	5220		16.50	15.10	NO
		48	5240		16.50	15.16	NO
	U-NII-2A	52	5260		16.50	15.29	NO
		56	5280		16.50	15.31	NO
		60	5300		16.50	15.48	NO
		64	5320		16.50	15.37	NO
	U-NII-2C	100	5500		14.50	13.55	NO
		104	5520		14.50	13.36	NO
		108	5540		14.50	13.38	NO
		112	5560		14.50	13.26	NO
		116	5580		14.50	13.33	NO
		120	5600		14.50	13.31	NO
		124	5620		14.50	13.40	NO
		128	5640		14.50	13.37	NO
		132	5660		14.50	13.44	NO
		136	5680		14.50	13.49	NO
	U-NII-3	140	5700		14.50	13.48	NO
		144	5720		14.50	13.28	NO
		149	5745		17.50	16.62	NO
		153	5765		17.50	16.46	NO
		157	5785		17.50	16.18	NO
			161		5805	17.50	15.93
		165	5825	17.50	15.89	NO	
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11n- HT40	U-NII-1	38	5190	MCS0	13.50	12.56	NO
		46	5230		13.50	12.74	NO
	U-NII-2A	54	5270		13.50	12.98	NO
		62	5310		13.50	13.22	NO
	U-NII-2C	102	5510		16.50	15.46	NO
		110	5550		16.50	15.35	NO
		118	5590		16.50	15.26	NO
		126	5630		16.50	15.50	NO
		134	5670		16.50	15.64	Yes
		142	5710		16.50	15.47	NO
	U-NII-3	151	5755		16.00	14.88	NO
		159	5795		16.00	14.32	NO



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

Report No.: AR/2020/8000508

5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 20M	U-NII-1	36	5180	MCS0	16.00	14.98	NO
		40	5200		16.00	14.86	NO
		44	5220		16.00	15.13	NO
		48	5240		16.00	15.21	NO
	U-NII-2A	52	5260		16.00	15.19	NO
		56	5280		16.00	15.23	NO
		60	5300		16.00	15.46	NO
		64	5320		16.00	15.68	NO
	U-NII-2C	100	5500		14.50	13.56	NO
		104	5520		14.50	13.49	NO
		108	5540		14.50	13.23	NO
		112	5560		14.50	13.44	NO
		116	5580		14.50	13.33	NO
		120	5600		14.50	13.42	NO
		124	5620		14.50	13.15	NO
		128	5640		14.50	13.23	NO
		132	5660		14.50	13.25	NO
		136	5680		14.50	13.28	NO
	U-NII-3	140	5700		14.50	13.50	NO
		144	5720		14.50	13.26	NO
149		5745	16.50	15.56	NO		
153		5765	16.50	15.34	NO		
157		5785	16.50	14.98	NO		
		161	5805	16.50	15.01	NO	
		165	5825	16.50	14.96	NO	
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 40M	U-NII-1	38	5190	MCS0	13.50	12.32	NO
		46	5230		13.50	12.56	NO
	U-NII-2A	54	5270		13.50	12.83	NO
		62	5310		13.50	13.09	NO
	U-NII-2C	102	5510		16.50	15.46	NO
		110	5550		16.50	15.26	NO
		118	5590		16.50	15.23	NO
		126	5630		16.50	15.49	NO
		134	5670		16.50	15.64	NO
		142	5710		16.50	15.46	NO
	U-NII-3	151	5755		16.00	14.93	NO
		159	5795		16.00	14.45	NO



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

Report No.: AR/2020/8000508

5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 80M	U-NII-1	42	5210	MCS0	14.50	13.05	NO
	U-NII-2A	58	5290		14.50	13.43	NO
	U-NII-2C	106	5530		14.50	14.16	NO
		122	5610		14.50	13.98	NO
		138	5690		14.50	14.12	NO
	U-NII-3	155	5775		14.50	13.16	NO

WiFi 5G Receiver on							
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11a	U-NII-1	36	5180	6	17.50	16.06	NO
		40	5200		17.50	15.96	NO
		44	5220		17.50	16.13	NO
		48	5240		17.50	16.26	Yes
	U-NII-2A	52	5260		17.50	16.24	NO
		56	5280		17.50	16.43	NO
		60	5300		17.50	16.62	NO
		64	5320		17.50	16.76	Yes
	U-NII-2C	100	5500		16.00	15.04	NO
		104	5520		16.00	15.01	NO
		108	5540		16.00	14.93	NO
		112	5560		16.00	14.81	NO
		116	5580		16.00	14.86	NO
		120	5600		16.00	14.79	NO
		124	5620		16.00	14.85	NO
		128	5640		16.00	14.86	NO
		132	5660		16.00	14.90	NO
		136	5680		16.00	14.82	NO
	U-NII-3	140	5700		16.00	14.83	NO
		144	5720		16.00	14.66	NO
		149	5745		17.50	16.78	Yes
		153	5765		17.50	16.48	Yes
		157	5785		17.50	16.12	NO
		161	5805		17.50	16.01	NO
	165	5825	17.50	15.89	NO		
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11n- HT20	U-NII-1	36	5180	MCS0	16.50	15.06	NO
		40	5200		16.50	14.89	NO
		44	5220		16.50	15.10	NO



	U-NII-2A	48	5240		16.50	15.16	NO
		52	5260		16.50	15.29	NO
		56	5280		16.50	15.31	NO
		60	5300		16.50	15.48	NO
		64	5320		16.50	15.37	NO
	U-NII-2C	100	5500		14.50	13.55	NO
		104	5520		14.50	13.36	NO
		108	5540		14.50	13.38	NO
		112	5560		14.50	13.26	NO
		116	5580		14.50	13.33	NO
		120	5600		14.50	13.31	NO
		124	5620		14.50	13.40	NO
		128	5640		14.50	13.37	NO
		132	5660		14.50	13.44	NO
		136	5680		14.50	13.49	NO
	U-NII-3	140	5700		14.50	13.48	NO
		144	5720		14.50	13.28	NO
		149	5745		17.50	16.62	NO
		153	5765		17.50	16.46	NO
		157	5785		17.50	16.18	NO
		161	5805	17.50	15.93	NO	
		165	5825	17.50	15.89	NO	
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11n- HT40	U-NII-1	38	5190	MCS0	13.50	12.56	NO
		46	5230		13.50	12.74	NO
	U-NII-2A	54	5270		13.50	12.98	NO
		62	5310		13.50	13.22	NO
	U-NII-2C	102	5510		16.00	15.32	Yes
		110	5550		16.00	15.09	NO
		118	5590		16.00	14.89	NO
		126	5630		16.00	15.11	NO
		134	5670		16.00	15.36	Yes
	U-NII-3	142	5710		16.00	15.02	NO
		151	5755		16.00	14.88	NO
		159	5795		16.00	14.32	NO
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11ac 20M	U-NII-1	36	5180	MCS0	16.00	14.98	NO
		40	5200		16.00	14.86	NO
		44	5220		16.00	15.13	NO
		48	5240		16.00	15.21	NO
	U-NII-2A	52	5260		16.00	15.19	NO



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

Report No.: AR/2020/8000508

		56	5280		16.00	15.23	NO	
		60	5300		16.00	15.46	NO	
		64	5320		16.00	15.68	NO	
		U-NII-2C	100		5500	14.50	13.56	NO
			104		5520	14.50	13.49	NO
			108		5540	14.50	13.23	NO
			112		5560	14.50	13.44	NO
			116		5580	14.50	13.33	NO
			120		5600	14.50	13.42	NO
			124		5620	14.50	13.15	NO
			128		5640	14.50	13.23	NO
			132		5660	14.50	13.25	NO
			136		5680	14.50	13.28	NO
			140		5700	14.50	13.50	NO
			144		5720	14.50	13.26	NO
		U-NII-3	149		5745	16.50	15.56	NO
			153		5765	16.50	15.34	NO
			157		5785	16.50	14.98	NO
161	5805		16.50	15.01	NO			
165	5825		16.50	14.96	NO			
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test	
802.11ac 40M	U-NII-1	38	5190	MCS0	13.50	12.32	NO	
		46	5230		13.50	12.56	NO	
	U-NII-2A	54	5270		13.50	12.83	NO	
		62	5310		13.50	13.09	NO	
	U-NII-2C	102	5510		16.00	15.10	NO	
		110	5550		16.00	14.98	NO	
		118	5590		16.00	14.86	NO	
		126	5630		16.00	14.93	NO	
		134	5670		16.00	15.11	NO	
		142	5710		16.00	14.97	NO	
	U-NII-3	151	5755		16.00	14.93	NO	
		159	5795		16.00	14.45	NO	
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test	
802.11ac 80M	U-NII-1	42	5210	MCS0	14.50	13.05	NO	
	U-NII-2A	58	5290		14.50	13.43	NO	
	U-NII-2C	106	5530		14.50	14.16	NO	
		122	5610		14.50	13.98	NO	
		138	5690		14.50	14.12	NO	
	U-NII-3	155	5775		14.50	13.16	NO	



WiFi 5G Receiver on(simultaneous transmission with (WWAN+WiFi 5G/WiFi 5G+BT))							
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11a	U-NII-1	36	5180	6	17.50	16.06	NO
		40	5200		17.50	15.96	NO
		44	5220		17.50	16.13	NO
		48	5240		17.50	16.26	NO
	U-NII-2A	52	5260		17.50	16.24	NO
		56	5280		17.50	16.43	NO
		60	5300		17.50	16.62	NO
		64	5320		17.50	16.76	NO
	U-NII-2C	100	5500		15.00	13.91	NO
		104	5520		15.00	13.94	NO
		108	5540		15.00	13.91	NO
		112	5560		15.00	13.66	NO
		116	5580		15.00	13.79	NO
		120	5600		15.00	13.65	NO
		124	5620		15.00	13.74	NO
		128	5640		15.00	13.76	NO
		132	5660		15.00	13.87	NO
		136	5680		15.00	13.75	NO
	U-NII-3	140	5700		15.00	13.82	NO
		144	5720		15.00	13.52	NO
149		5745	16.00	15.43	Yes		
153		5765	16.00	15.2	NO		
157		5785	16.00	15.12	NO		
		161	5805	16.00	15.11	NO	
		165	5825	16.00	15.03	NO	
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
802.11n- HT20	U-NII-1	36	5180	MCS0	16.50	15.06	NO
		40	5200		16.50	14.89	NO
		44	5220		16.50	15.10	NO
		48	5240		16.50	15.16	NO
	U-NII-2A	52	5260		16.50	15.29	NO
		56	5280		16.50	15.31	NO
		60	5300		16.50	15.48	NO
		64	5320		16.50	15.37	NO
	U-NII-2C	100	5500		14.50	13.55	NO
		104	5520		14.50	13.36	NO
		108	5540		14.50	13.38	NO
		112	5560		14.50	13.26	NO
		116	5580		14.50	13.33	NO
		120	5600		14.50	13.31	NO
		124	5620		14.50	13.40	NO
		128	5640		14.50	13.37	NO
		132	5660		14.50	13.44	NO
		136	5680		14.50	13.49	NO



		140	5700		14.50	13.48	NO		
		144	5720		14.50	13.28	NO		
	U-NII-3	149	5745		16.00	15.12	NO		
		153	5765		16.00	15.06	NO		
		157	5785		16.00	15.08	NO		
		161	5805		16.00	15.00	NO		
		165	5825		16.00	14.98	NO		
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test		
802.11n- HT40	U-NII-1	38	5190	MCS0	13.50	12.56	NO		
		46	5230		13.50	12.74	NO		
	U-NII-2A	54	5270		13.50	12.98	NO		
		62	5310		13.50	13.22	NO		
	U-NII-2C	102	5510		15.00	14.32	NO		
		110	5550		15.00	14.02	NO		
		118	5590		15.00	13.77	NO		
		126	5630		15.00	14.04	NO		
		134	5670		15.00	14.42	Yes		
		142	5710		15.00	13.88	NO		
	U-NII-3	151	5755		15.50	14.31	NO		
		159	5795		15.50	14.22	NO		
	5GHz	mode	Channel		Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
	802.11ac 20M	U-NII-1	36		5180	MCS0	16.00	14.98	NO
40			5200	16.00	14.86		NO		
44			5220	16.00	15.13		NO		
48			5240	16.00	15.21		NO		
U-NII-2A		52	5260	16.00	15.19		NO		
		56	5280	16.00	15.23		NO		
		60	5300	16.00	15.46		NO		
		64	5320	16.00	15.68		NO		
U-NII-2C		100	5500	14.50	13.56		NO		
		104	5520	14.50	13.49		NO		
		108	5540	14.50	13.23		NO		
		112	5560	14.50	13.44		NO		
		116	5580	14.50	13.33		NO		
		120	5600	14.50	13.42		NO		
		124	5620	14.50	13.15		NO		
		128	5640	14.50	13.23		NO		
		132	5660	14.50	13.25		NO		
		136	5680	14.50	13.28		NO		
		140	5700	14.50	13.50		NO		
		144	5720	14.50	13.26		NO		
U-NII-3		149	5745	16.00	15.06		NO		
		153	5765	16.00	14.87		NO		
		157	5785	16.00	14.48		NO		
		161	5805	16.00	14.32		NO		
		165	5825	16.00	14.31		NO		



5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test		
802.11ac 40M	U-NII-1	38	5190	MCS0	13.50	12.32	NO		
		46	5230		13.50	12.56	NO		
	U-NII-2A	54	5270		13.50	12.83	NO		
		62	5310		13.50	13.09	NO		
	U-NII-2C	102	5510		15.00	14.01	NO		
		110	5550		15.00	13.96	NO		
		118	5590		15.00	13.71	NO		
		126	5630		15.00	13.78	NO		
		134	5670		15.00	14.19	NO		
		142	5710		15.00	13.94	NO		
	U-NII-3	151	5755		15.50	14.33	NO		
		159	5795		15.50	14.15	NO		
	5GHz	mode	Channel		Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)	SAR Test
	802.11ac 80M	U-NII-1	42		5210	MCS0	14.50	13.05	NO
U-NII-2A		58	5290	14.50	13.43		NO		
U-NII-2C		106	5530	13.50	13.21		NO		
		122	5610	13.50	13.11		NO		
		138	5690	13.50	13.12		NO		
U-NII-3		155	5775	14.50	13.16		NO		

Table 17 : Conducted Power of WiFi

3.1.2 Conducted Power of BT

BT			Tune up (dBm)	Average Conducted Power(dBm)
Modulation	Channel	Frequency(MHz)		
GFSK	0	2402	12.45	14.00
	39	2441	12.56	14.00
	78	2480	12.49	14.00
π/4DQPSK	0	2402	10.03	12.00
	39	2441	10.12	12.00
	78	2480	10.23	12.00
8DPSK	0	2402	10.02	12.00
	39	2441	10.23	12.00
	78	2480	10.14	12.00

BLE 1M			Tune up (dBm)	Average Conducted Power(dBm)
Modulation	Channel	Frequency(MHz)		
GFSK	0	2402	7.00	5.54
	19	2440	7.00	5.76
	39	2480	7.00	6.98
BLE 2M			Tune up (dBm)	Average Conducted Power(dBm)
Modulation	Channel	Frequency(MHz)		
GFSK	0	2402	7.00	5.51
	19	2440	7.00	5.83
	39	2480	7.00	6.76

Table 18 : Conducted Power of BT