

# Appendix E

## Conducted RF Output Power Table

Measurement of RF Conducted Power	
1	Conducted Power of Main Antenna (Ant1)
2	Conducted Power of Main Antenna (Ant2)
3	Conducted Power of EN_DC
4	Conducted Power of NR Antenna
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## Measurement of RF Conducted Power

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

#### 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			975	38	124	
GSM(GMSK)	GSM	32.20	32.29	32.29	33.50	-9.19	23.01	23.10	23.10	24.31
GPRS/EGPRS (GMSK)	1 TX Slot	32.21	32.30	32.30	33.50	-9.19	23.02	23.11	23.11	24.31
	2 TX Slots	30.03	30.19	30.18	31.00	-6.18	23.85	24.01	24.00	24.82
	3 TX Slots	28.11	28.13	28.13	28.50	-4.42	23.69	23.71	23.71	24.08
	4 TX Slots	26.83	27.04	26.95	27.50	-3.17	23.66	23.87	23.78	24.33
EGPRS(8PSK)	1 TX Slot	27.06	27.14	27.06	28.50	-9.19	17.87	17.95	17.87	19.31
	2 TX Slots	25.29	25.21	24.93	26.00	-6.18	19.11	19.03	18.75	19.82
	3 TX Slots	23.20	23.34	22.99	23.80	-4.42	18.78	18.92	18.57	19.38
	4 TX Slots	22.14	22.22	22.43	23.00	-3.17	18.97	19.05	19.26	19.83

Table 1 : Conducted Power of GSM

#### 1.2 Conducted Power of WCDMA

WCDMA Band V					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	23.75	23.86	23.94	24.50
	12.2kbps AMR	23.68	23.75	23.85	24.00
HSDPA	Subtest 1	22.17	22.06	22.46	22.70
	Subtest 2	22.15	22.08	22.46	22.60
	Subtest 3	21.66	21.59	21.97	22.00
	Subtest 4	21.70	21.49	21.97	22.30
HSUPA	Subtest 1	22.16	22.09	22.01	22.60
	Subtest 2	20.20	20.09	20.01	20.60
	Subtest 3	21.19	21.07	21.03	21.60
	Subtest 4	20.17	20.10	20.29	20.50
	Subtest 5	22.18	22.06	22.58	22.70

Table 2 : Conducted Power of WCDMA

### 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	23.42	23.43	23.44	24.00
		1	2	23.55	23.53	23.55	24.00
		1	5	23.35	23.46	23.53	24.00
		3	0	23.54	23.38	23.55	24.00
		3	2	23.53	23.57	23.60	24.00
		3	3	23.44	23.50	23.53	24.00
		6	0	22.51	22.55	22.57	23.00
	16QAM	1	0	22.57	22.66	22.75	23.00
		1	2	22.83	22.74	22.84	23.00
		1	5	22.71	22.41	22.62	23.00
		3	0	22.59	22.48	22.64	23.00
		3	2	22.51	22.62	22.69	23.00
		3	3	22.61	22.58	22.60	23.00
		6	0	21.79	21.67	21.60	22.00
	64QAM	1	0	21.48	21.60	21.67	22.00
		1	2	21.77	21.65	21.77	22.00
		1	5	21.61	21.33	21.54	22.00
		3	0	21.52	21.42	21.57	22.00
		3	2	21.43	21.55	21.61	22.00
		3	3	21.53	21.48	21.51	22.00
		6	0	20.72	20.61	20.50	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20415	20525	20635	
3MHz	QPSK	1	0	23.52	23.55	23.17	24.00
		1	7	23.47	23.47	23.50	24.00
		1	14	23.60	23.49	23.66	24.00
		8	0	22.59	22.56	22.69	23.00
		8	4	22.61	22.71	22.60	23.00
		8	7	22.66	22.59	22.65	23.00
		15	0	22.65	22.67	22.72	23.00
	16QAM	1	0	22.93	22.93	22.91	23.00
		1	7	22.89	22.83	22.95	23.00
		1	14	22.84	22.88	22.87	23.00
		8	0	21.70	21.68	21.70	22.00
		8	4	21.82	21.64	21.76	22.00
		8	7	21.67	21.71	21.67	22.00
		15	0	21.53	21.74	21.77	22.00
	64QAM	1	0	21.85	21.84	21.84	22.00
		1	7	21.80	21.75	21.89	22.00
		1	14	21.76	21.82	21.78	22.00
		8	0	20.65	20.59	20.63	21.00



Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up		
				20425	20525	20625			
5MHz	QPSK	8	4	20.72	20.56	20.71	21.00		
		8	7	20.58	20.64	20.58	21.00		
		15	0	20.43	20.68	20.68	21.00		
	16QAM	QPSK	1	0	23.54	23.51	23.72	24.00	
			1	13	23.46	23.52	23.69	24.00	
			1	24	23.51	23.62	23.62	24.00	
			12	0	22.64	22.67	22.70	23.00	
			12	6	22.58	22.72	22.76	23.00	
			12	13	22.59	22.68	22.72	23.00	
		16QAM	25	0	22.64	22.61	22.66	23.00	
			16QAM	1	0	22.84	22.72	22.84	23.00
				1	13	22.89	22.82	22.89	23.00
				1	24	22.81	22.86	22.62	23.00
				12	0	21.62	21.57	21.68	22.00
				12	6	21.79	21.71	21.74	22.00
		12		13	21.61	21.63	21.77	22.00	
		64QAM	25	0	21.68	21.74	21.68	22.00	
			64QAM	1	0	21.84	21.86	21.85	22.00
				1	13	21.82	21.75	21.86	22.00
				1	24	21.77	21.81	21.79	22.00
				12	0	20.64	20.62	20.63	21.00
	12			6	20.74	20.59	20.68	21.00	
	12	13		20.60	20.61	20.62	21.00		
	10MHz	QPSK	25	0	20.44	20.68	20.70	21.00	
			QPSK	1	0	23.73	23.56	23.61	24.00
				1	25	23.52	23.66	23.67	24.00
				1	49	23.57	23.59	23.74	24.00
25				0	22.66	22.67	22.79	23.00	
25				13	22.61	22.73	22.66	23.00	
25		25		22.64	22.74	22.75	23.00		
16QAM		50	0	22.59	22.61	22.72	23.00		
		16QAM	1	0	22.91	22.68	22.90	23.00	
			1	25	22.92	22.91	22.96	23.00	
			1	49	22.94	22.87	22.91	23.00	
			25	0	21.69	21.68	21.78	22.00	
	25		13	21.84	21.71	21.83	22.00		
25	25		21.70	21.82	21.80	22.00			
64QAM	50	0	21.58	21.61	21.61	22.00			
	64QAM	1	0	21.85	21.87	21.84	22.00		
		1	25	21.81	21.75	21.87	22.00		
		1	49	21.79	21.78	21.81	22.00		
		25	0	20.64	20.62	20.65	21.00		
		25	13	20.75	20.54	20.70	21.00		
25		25	20.62	20.65	20.61	21.00			
		50	0	20.45	20.65	20.69	21.00		

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	23.39	23.17	23.06	24.00
		1	2	23.39	23.30	23.19	24.00
		1	5	23.31	23.26	23.19	24.00
		3	0	23.41	23.27	23.22	24.00
		3	2	23.34	23.25	23.20	24.00
		3	3	23.25	23.28	23.22	24.00
		6	0	22.44	22.30	22.17	23.00
	16QAM	1	0	22.64	22.83	22.60	23.00
		1	2	22.83	22.68	22.35	23.00
		1	5	22.26	22.57	22.20	23.00
		3	0	22.36	22.25	22.22	23.00
		3	2	22.46	22.28	22.25	23.00
		3	3	22.30	22.18	22.18	23.00
		6	0	21.53	21.35	21.22	22.00
	64QAM	1	0	21.57	21.77	21.52	22.00
		1	2	21.77	21.59	21.29	22.00
		1	5	21.18	21.48	21.14	22.00
		3	0	21.31	21.16	21.16	22.00
		3	2	21.37	21.23	21.17	22.00
		3	3	21.21	21.08	21.10	22.00
		6	0	20.47	20.28	20.15	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
3MHz	QPSK	1	0	23.44	23.20	23.32	24.00
		1	7	23.37	23.30	23.20	24.00
		1	14	23.35	23.43	23.14	24.00
		8	0	22.48	22.42	22.31	23.00
		8	4	22.61	22.30	22.34	23.00
		8	7	22.45	22.40	22.26	23.00
		15	0	22.52	22.39	22.36	23.00
	16QAM	1	0	22.36	22.40	22.53	23.00
		1	7	22.84	22.57	22.39	23.00
		1	14	22.59	22.63	22.60	23.00
		8	0	21.61	21.39	21.39	22.00
		8	4	21.58	21.42	21.42	22.00
		8	7	21.44	21.36	21.40	22.00
		15	0	21.51	21.46	21.30	22.00
	64QAM	1	0	21.31	21.32	21.48	22.00
		1	7	21.75	21.52	21.31	22.00
		1	14	21.49	21.53	21.54	22.00
		8	0	20.53	20.33	20.34	21.00
		8	4	20.50	20.35	20.34	21.00

Bandwidth	Modulation	8	7	20.38	20.29	20.32	21.00	
		15	0	20.45	20.37	20.24	21.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				23035	23095	23155		
5MHz	QPSK	1	0	23.44	23.24	23.40	24.00	
		1	13	23.46	23.44	23.30	24.00	
		1	24	23.36	23.43	23.26	24.00	
		12	0	22.59	22.43	22.32	23.00	
		12	6	22.51	22.44	22.46	23.00	
		12	13	22.47	22.42	22.34	23.00	
		25	0	22.58	22.40	22.35	23.00	
	16QAM	1	0	22.56	22.75	22.24	23.00	
		1	13	22.59	23.00	22.92	23.00	
		1	24	22.62	22.75	22.78	23.00	
		12	0	21.60	21.39	21.44	22.00	
		12	6	21.52	21.45	21.46	22.00	
		12	13	21.42	21.56	21.39	22.00	
		25	0	21.45	21.32	21.35	22.00	
	64QAM	1	0	21.31	21.33	21.47	22.00	
		1	13	21.77	21.50	21.31	22.00	
		1	24	21.51	21.56	21.51	22.00	
		12	0	20.56	20.29	20.29	21.00	
		12	6	20.48	20.37	20.34	21.00	
		12	13	20.34	20.31	20.30	21.00	
		25	0	20.44	20.39	20.20	21.00	
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
					23060	23095	23130	
	10MHz	QPSK	1	0	23.34	23.35	23.30	24.00
1			25	23.33	23.29	23.11	24.00	
1			49	23.66	23.23	23.27	24.00	
25			0	22.41	22.35	22.40	23.00	
25			13	22.50	22.46	22.38	23.00	
25			25	22.53	22.43	22.47	23.00	
50			0	22.37	22.42	22.49	23.00	
16QAM		1	0	22.99	22.97	22.71	23.00	
		1	25	22.59	22.90	22.54	23.00	
		1	49	22.71	22.51	22.41	23.00	
		25	0	21.38	21.48	21.48	22.00	
		25	13	21.53	21.32	21.41	22.00	
		25	25	21.45	21.32	21.54	22.00	
		50	0	21.39	21.29	21.39	22.00	
64QAM		1	0	21.26	21.34	21.47	22.00	
		1	25	21.74	21.47	21.32	22.00	
		1	49	21.53	21.56	21.51	22.00	
		25	0	20.52	20.33	20.30	21.00	
		25	13	20.51	20.36	20.35	21.00	
		25	25	20.36	20.30	20.31	21.00	
		50	0	20.43	20.38	20.20	21.00	

Table 3 : Conducted Power of LTE

## 2 Conducted Power of Main Antenna(Ant2)

### 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	698	885		
GSM(GMSK)	GSM	29.02	28.77	28.65	30.50	-9.19	19.83	19.58	19.46	21.31
GPRS/EGPRS (GMSK)	1 TX Slot	29.04	28.81	28.66	30.50	-9.19	19.85	19.62	19.47	21.31
	2 TX Slots	27.25	26.85	26.89	27.50	-6.18	21.07	20.67	20.71	21.32
	3 TX Slots	25.31	24.63	24.68	25.50	-4.42	20.89	20.21	20.26	21.08
	4 TX Slots	24.16	23.57	23.70	24.50	-3.17	20.99	20.40	20.53	21.33
EGPRS(8PSK)	1 TX Slot	25.71	25.84	25.52	26.50	-9.19	16.52	16.65	16.33	17.31
	2 TX Slots	23.83	23.09	23.11	24.50	-6.18	17.65	16.91	16.93	18.32
	3 TX Slots	21.34	20.99	21.22	22.00	-4.42	16.92	16.57	16.80	17.58
	4 TX Slots	20.52	20.14	20.22	21.50	-3.17	17.35	16.97	17.05	18.33

Table 4 : Conducted Power of GSM

### 2.2 Conducted Power of WCDMA

WCDMA Band II Full power/Sensor off					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	23.13	23.03	22.70	24.00
	12.2kbps AMR	23.10	23.01	22.69	24.00
HSDPA	Subtest 1	21.00	20.90	21.30	22.70
	Subtest 2	21.00	20.90	21.30	22.60
	Subtest 3	20.50	20.50	20.80	22.00
	Subtest 4	20.50	20.30	20.80	22.30
HSUPA	Subtest 1	21.10	20.90	21.50	22.60
	Subtest 2	19.00	18.90	19.50	20.60
	Subtest 3	20.10	19.90	20.50	21.60
	Subtest 4	19.10	18.90	19.40	20.50
	Subtest 5	21.00	20.90	21.40	22.70

WCDMA Band II Sensor on					
Average Conducted Power(dBm)					
	Channel	9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	21.35	21.34	21.32	22.00
	12.2kbps AMR	21.28	21.31	21.27	22.00
HSDPA	Subtest 1	19.00	18.90	19.30	20.70
	Subtest 2	19.00	18.90	19.30	20.60
	Subtest 3	18.50	18.50	18.80	20.00
	Subtest 4	18.50	18.30	18.80	20.30
HSUPA	Subtest 1	19.00	18.90	19.50	20.60
	Subtest 2	17.10	16.90	17.50	18.60
	Subtest 3	18.00	17.90	18.50	19.60
	Subtest 4	17.00	17.00	17.40	18.50
	Subtest 5	19.00	18.90	19.40	20.70

WCDMA Band IV					
Average Conducted Power(dBm)					
	Channel	1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	22.90	23.06	23.34	24.00
	12.2kbps AMR	22.86	23.01	23.21	24.00
HSDPA	Subtest 1	21.00	20.90	21.30	22.70
	Subtest 2	21.10	20.90	21.30	22.60
	Subtest 3	20.60	20.40	20.80	22.00
	Subtest 4	20.50	20.30	20.80	22.30
HSUPA	Subtest 1	21.00	20.90	21.50	22.60
	Subtest 2	19.10	18.90	19.50	20.60
	Subtest 3	20.00	19.90	20.50	21.60
	Subtest 4	19.00	18.90	19.40	20.50
	Subtest 5	21.00	20.90	21.40	22.70

Table 5 : Conducted Power of WCDMA



### 2.3 Conducted Power of LTE

LTE Band 2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	23.02	22.67	22.28	24.00
		1	2	23.00	22.70	22.29	24.00
		1	5	22.88	22.53	22.15	24.00
		3	0	22.98	22.69	22.30	24.00
		3	1	23.01	22.79	22.39	24.00
		3	3	22.83	22.70	22.34	24.00
		6	0	22.04	21.81	21.40	23.00
	16QAM	1	0	22.46	21.85	21.42	23.00
		1	2	22.49	21.96	21.51	23.00
		1	5	22.41	21.73	21.61	23.00
		3	0	21.97	21.87	21.34	23.00
		3	1	21.89	21.76	21.40	23.00
		3	3	21.97	21.65	21.32	23.00
		6	0	20.93	20.90	20.28	22.00
	64QAM	1	0	21.39	20.78	20.36	22.00
		1	2	21.39	20.88	20.41	22.00
		1	5	21.36	20.64	20.53	22.00
		3	0	20.90	20.78	20.24	22.00
		3	1	20.81	20.70	20.32	22.00
		3	3	20.92	20.59	20.26	22.00
		6	0	19.88	19.81	19.19	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	23.17	22.82	22.47	24.00
		1	7	22.83	22.75	22.32	24.00
		1	14	22.90	22.53	22.32	24.00
		8	0	22.09	21.80	21.48	23.00
		8	4	22.09	21.82	21.36	23.00
		8	7	22.00	21.63	21.27	23.00
		15	0	22.04	21.69	21.47	23.00
	16QAM	1	0	22.22	21.83	21.59	23.00
		1	7	22.49	21.82	21.75	23.00
		1	14	21.97	21.84	21.62	23.00
		8	0	21.18	20.94	20.64	22.00
		8	4	21.05	20.82	20.35	22.00
		8	7	20.94	20.68	20.39	22.00
		15	0	21.07	20.83	20.50	22.00
	64QAM	1	0	21.14	20.78	20.53	22.00
		1	7	21.42	20.77	20.65	22.00
		1	14	20.87	20.79	20.55	22.00
		8	0	20.13	19.89	19.57	21.00

Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				18625	18900	19175		
5MHz	QPSK	8	4	19.97	19.77	19.30	21.00	
		8	7	19.84	19.58	19.31	21.00	
		15	0	19.97	19.75	19.40	21.00	
		1	0	23.14	22.75	22.41	24.00	
		1	13	23.03	22.81	22.32	24.00	
		1	24	22.97	22.64	22.31	24.00	
	16QAM	12	0	22.14	21.79	21.37	23.00	
		12	6	22.10	21.89	21.45	23.00	
		12	13	22.01	21.70	21.34	23.00	
		25	0	22.06	21.74	21.44	23.00	
		1	0	22.39	22.25	21.35	23.00	
		1	13	22.26	22.00	21.55	23.00	
	64QAM	1	24	22.02	21.83	21.63	23.00	
		12	0	21.08	20.84	20.49	22.00	
		12	6	21.03	20.86	20.55	22.00	
		12	13	20.98	20.69	20.38	22.00	
		25	0	20.99	20.72	20.32	22.00	
		1	0	21.14	20.74	20.50	22.00	
	10MHz	QPSK	1	13	21.42	20.76	20.65	22.00
			1	24	20.90	20.75	20.57	22.00
			12	0	20.11	19.86	19.59	21.00
			12	6	19.95	19.74	19.26	21.00
			12	13	19.87	19.62	19.30	21.00
			25	0	19.97	19.78	19.45	21.00
16QAM		1	0	23.03	22.97	22.60	24.00	
		1	25	23.07	22.62	22.42	24.00	
		1	49	22.65	22.74	22.18	24.00	
		25	0	22.16	21.76	21.52	23.00	
		25	13	22.01	21.66	21.51	23.00	
		25	25	21.97	21.70	21.45	23.00	
64QAM		50	0	22.08	21.82	21.55	23.00	
		1	0	22.04	22.32	22.01	23.00	
		1	25	22.17	22.24	21.95	23.00	
		1	49	22.15	22.15	21.81	23.00	
		25	0	21.12	20.88	20.54	22.00	
		25	13	21.12	20.77	20.48	22.00	
16QAM		25	25	20.94	20.73	20.52	22.00	
		50	0	21.10	20.62	20.48	22.00	
		1	0	21.17	20.73	20.52	22.00	
		1	25	21.39	20.74	20.65	22.00	
		1	49	20.87	20.75	20.53	22.00	
		25	0	20.13	19.84	19.56	21.00	
64QAM	25	13	19.96	19.73	19.29	21.00		
	25	25	19.85	19.58	19.29	21.00		
	50	0	19.98	19.77	19.41	21.00		

Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	23.63	23.41	23.24	24.00
		1	38	22.73	22.53	22.14	24.00
		1	74	22.71	23.23	22.21	24.00
		36	0	22.07	21.65	21.42	23.00
		36	18	21.99	21.64	21.46	23.00
		36	39	21.91	21.62	21.37	23.00
		75	0	21.92	21.66	21.38	23.00
	16QAM	1	0	21.66	22.64	21.51	23.00
		1	38	22.32	22.04	21.38	23.00
		1	74	22.01	22.01	21.30	23.00
		36	0	21.03	20.63	20.52	22.00
		36	18	20.93	20.59	20.33	22.00
		36	39	20.81	20.69	20.30	22.00
		75	0	20.95	20.60	20.44	22.00
	64QAM	1	0	21.15	20.74	20.50	22.00
		1	38	21.41	20.72	20.67	22.00
		1	74	20.91	20.76	20.57	22.00
		36	0	20.12	19.84	19.58	21.00
		36	18	19.99	19.72	19.27	21.00
		36	39	19.84	19.59	19.33	21.00
		75	0	20.02	19.73	19.40	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	QPSK	1	0	22.90	22.68	22.45	24.00
		1	50	22.77	22.57	22.17	24.00
		1	99	22.59	22.41	22.28	24.00
		50	0	21.94	21.80	21.55	23.00
		50	25	21.90	21.70	21.51	23.00
		50	50	21.79	21.68	21.35	23.00
		100	0	21.92	21.60	21.49	23.00
	16QAM	1	0	21.85	22.00	21.43	23.00
		1	50	22.25	21.76	21.83	23.00
		1	99	22.15	21.41	21.31	23.00
		50	0	20.97	20.76	20.52	22.00
		50	25	20.99	20.75	20.40	22.00
		50	50	20.82	20.50	20.42	22.00
		100	0	20.99	20.72	20.49	22.00
	64QAM	1	0	21.15	20.78	20.52	22.00
		1	50	21.42	20.74	20.67	22.00
		1	99	20.87	20.74	20.55	22.00
		50	0	20.10	19.85	19.56	21.00
		50	25	19.96	19.72	19.29	21.00
		50	50	19.86	19.60	19.34	21.00
		100	0	19.99	19.76	19.45	21.00



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	22.72	22.85	23.19	24.00
		1	2	22.83	22.94	23.27	24.00
		1	5	22.81	22.87	23.15	24.00
		3	0	22.81	23.02	23.20	24.00
		3	1	22.93	22.98	23.33	24.00
		3	3	22.80	22.91	23.32	24.00
	16QAM	1	0	21.74	22.36	22.44	23.00
		1	2	22.08	22.50	22.56	23.00
		1	5	22.10	21.99	22.80	23.00
		3	0	21.93	22.00	22.36	23.00
		3	1	21.85	22.09	22.43	23.00
		3	3	21.76	22.02	22.20	23.00
	64QAM	6	0	20.92	21.05	21.40	22.00
		1	0	20.69	21.31	21.34	22.00
		1	2	20.99	21.43	21.48	22.00
		1	5	21.03	20.91	21.71	22.00
		3	0	20.83	20.93	21.27	22.00
		3	1	20.78	21.04	21.33	22.00
3MHz	QPSK	3	3	20.66	20.94	21.10	22.00
		6	0	19.86	20.00	20.32	21.00
		1	0	23.01	23.01	23.29	24.00
		1	7	22.94	22.87	23.32	24.00
		1	14	22.85	22.98	23.37	24.00
		8	0	21.90	22.04	22.43	23.00
		8	4	22.00	22.13	22.39	23.00
	16QAM	8	7	21.92	22.10	22.47	23.00
		15	0	21.98	22.04	22.39	23.00
		1	0	22.02	22.11	22.83	23.00
		1	7	22.28	22.16	22.46	23.00
		1	14	22.38	22.53	22.82	23.00
		8	0	21.16	21.12	21.52	22.00
		8	4	21.04	21.18	21.49	22.00
	64QAM	8	7	21.03	21.07	21.53	22.00
		15	0	20.95	21.09	21.45	22.00
		1	0	20.95	21.03	21.75	22.00
		1	7	21.19	21.07	21.38	22.00
1		14	21.31	21.45	21.74	22.00	
8		0	20.11	20.05	20.42	21.00	
8		4	19.97	20.09	20.39	21.00	
		8	7	19.93	19.99	20.47	21.00



Bandwidth	Modulation	RB size	RB offset	15	0	19.85	20.02	20.38	21.00
				Channel	Channel	Channel	Tune up		
				19975	20175	20375			
5MHz	QPSK	1	0	23.08	23.19	23.29	24.00		
		1	13	23.02	23.02	23.42	24.00		
		1	24	23.06	23.00	23.37	24.00		
		12	0	21.96	22.18	22.42	23.00		
		12	6	22.01	22.16	22.44	23.00		
		12	13	22.05	22.15	22.47	23.00		
		25	0	22.05	22.10	22.47	23.00		
	16QAM	1	0	22.44	22.22	22.88	23.00		
		1	13	22.37	22.30	22.90	23.00		
		1	24	22.09	22.29	22.88	23.00		
		12	0	21.00	21.12	21.43	22.00		
		12	6	21.08	21.18	21.51	22.00		
		12	13	21.08	21.15	21.43	22.00		
		25	0	21.11	21.25	21.43	22.00		
	64QAM	1	0	20.94	21.02	21.77	22.00		
		1	13	21.23	21.09	21.36	22.00		
		1	24	21.28	21.48	21.72	22.00		
		12	0	20.10	20.02	20.43	21.00		
		12	6	19.95	20.10	20.43	21.00		
		12	13	19.96	20.00	20.45	21.00		
		25	0	19.88	20.01	20.39	21.00		
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up		
				20000	20175	20350			
10MHz	QPSK	1	0	22.74	23.02	23.30	24.00		
		1	25	23.01	23.08	23.37	24.00		
		1	49	22.87	22.91	23.36	24.00		
		25	0	22.00	22.07	22.34	23.00		
		25	13	21.93	22.12	22.47	23.00		
		25	25	22.03	22.21	22.43	23.00		
		50	0	21.91	22.11	22.40	23.00		
	16QAM	1	0	22.45	22.18	22.35	23.00		
		1	25	21.73	22.15	22.30	23.00		
		1	49	22.41	22.53	22.37	23.00		
		25	0	21.02	21.13	21.35	22.00		
		25	13	20.96	21.23	21.39	22.00		
		25	25	20.87	21.24	21.43	22.00		
		50	0	21.01	21.18	21.31	22.00		
	64QAM	1	0	20.95	21.01	21.74	22.00		
		1	25	21.20	21.08	21.36	22.00		
		1	49	21.33	21.48	21.76	22.00		
		25	0	20.07	20.06	20.42	21.00		
		25	13	19.97	20.09	20.42	21.00		
		25	25	19.98	19.99	20.45	21.00		
		50	0	19.90	20.04	20.40	21.00		
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up		
				20025	20175	20325			

15MHz	QPSK	1	0	22.94	22.89	23.52	24.00
		1	38	22.65	22.86	23.13	24.00
		1	74	22.73	23.54	23.10	24.00
		36	0	21.86	21.96	22.19	23.00
		36	18	21.91	21.96	22.20	23.00
		36	39	21.86	21.97	22.17	23.00
		75	0	21.81	21.97	22.09	23.00
	16QAM	1	0	22.17	22.09	22.32	23.00
		1	38	22.18	22.33	22.71	23.00
		1	74	21.91	22.02	22.46	23.00
		36	0	20.88	20.98	21.12	22.00
		36	18	20.92	21.10	21.16	22.00
		36	39	20.78	20.97	21.20	22.00
		75	0	20.87	21.01	21.11	22.00
	64QAM	1	0	20.97	21.01	21.75	22.00
		1	38	21.19	21.06	21.40	22.00
		1	74	21.32	21.46	21.76	22.00
		36	0	20.11	20.05	20.47	21.00
		36	18	19.98	20.11	20.41	21.00
		36	39	19.94	20.02	20.46	21.00
		75	0	19.85	19.99	20.37	21.00
Bandwidth	Modulation	RB size	RB offset	Channel 20050	Channel 20175	Channel 20300	Tune up
20MHz	QPSK	1	0	23.06	23.04	23.09	24.00
		1	50	22.78	22.74	22.98	24.00
		1	99	22.88	23.16	23.19	24.00
		50	0	21.88	21.94	22.12	23.00
		50	25	21.88	21.99	22.13	23.00
		50	50	21.85	22.05	22.12	23.00
		100	0	21.91	22.03	22.10	23.00
	16QAM	1	0	21.99	22.09	22.22	23.00
		1	50	22.03	22.08	22.28	23.00
		1	99	22.26	22.16	22.10	23.00
		50	0	20.92	20.92	21.07	22.00
		50	25	20.93	21.00	21.02	22.00
		50	50	20.76	20.95	21.15	22.00
		100	0	20.92	21.02	21.00	22.00
	64QAM	1	0	20.93	21.05	21.74	22.00
		1	50	21.19	21.11	21.39	22.00
		1	99	21.28	21.44	21.75	22.00
		50	0	20.08	20.03	20.43	21.00
		50	25	19.99	20.13	20.44	21.00
		50	50	19.95	20.01	20.43	21.00
		100	0	19.86	20.04	20.37	21.00



LTE Band 7 Full power/Sensor off				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	23.01	22.64	23.07	24.00
		1	13	23.11	22.79	23.07	24.00
		1	24	22.88	22.68	22.94	24.00
		12	0	22.01	21.66	21.93	23.00
		12	6	22.06	21.76	22.01	23.00
		12	13	22.14	21.82	22.08	23.00
		25	0	22.05	21.68	21.92	23.00
	16QAM	1	0	22.24	21.64	22.34	23.00
		1	13	22.37	22.19	22.47	23.00
		1	24	22.16	21.83	22.29	23.00
		12	0	20.99	20.59	20.95	22.00
		12	6	21.13	20.79	21.06	22.00
		12	13	21.19	20.78	21.16	22.00
		25	0	21.07	20.77	20.92	22.00
	64QAM	1	0	21.18	20.55	21.24	22.00
		1	13	21.30	21.09	21.37	22.00
		1	24	21.08	20.77	21.24	22.00
		12	0	19.89	19.54	19.85	21.00
		12	6	20.04	19.70	20.00	21.00
		12	13	20.09	19.70	20.08	21.00
		25	0	20.00	19.71	19.82	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	22.99	22.65	22.96	24.00
		1	25	23.09	22.61	22.82	24.00
		1	49	22.89	22.38	23.24	24.00
		25	0	21.99	21.71	21.92	23.00
		25	13	21.94	21.71	21.95	23.00
		25	25	21.93	21.69	22.04	23.00
		50	0	22.07	21.76	21.94	23.00
	16QAM	1	0	22.40	22.01	22.36	23.00
		1	25	22.53	22.09	22.17	23.00
		1	49	22.28	22.02	22.59	23.00
		25	0	21.01	20.66	20.74	22.00
		25	13	21.01	20.85	21.10	22.00
		25	25	21.03	20.74	21.21	22.00
		50	0	20.93	20.78	20.94	22.00
	64QAM	1	0	21.14	20.59	21.27	22.00
		1	25	21.31	21.10	21.37	22.00
		1	49	21.09	20.74	21.20	22.00
		25	0	19.94	19.50	19.86	21.00
		25	13	20.07	19.72	19.97	21.00



Bandwidth	Modulation	25	25	20.09	19.73	20.07	21.00	
		50	0	19.99	19.67	19.85	21.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				20825	21100	21375		
15MHz	QPSK	1	0	22.71	22.40	22.60	24.00	
		1	38	22.80	22.81	22.72	24.00	
		1	74	22.70	22.54	22.80	24.00	
		36	0	21.89	21.53	21.65	23.00	
		36	18	21.95	21.60	21.80	23.00	
		36	39	21.81	21.55	21.86	23.00	
		75	0	21.85	21.59	21.70	23.00	
	16QAM	1	0	21.87	21.66	21.85	23.00	
		1	38	22.34	21.67	22.33	23.00	
		1	74	22.01	22.10	21.76	23.00	
		36	0	20.82	20.55	20.66	22.00	
		36	18	20.94	20.66	20.78	22.00	
		36	39	20.81	20.62	20.95	22.00	
		75	0	20.89	20.61	20.83	22.00	
	64QAM	1	0	21.16	20.57	21.27	22.00	
		1	38	21.31	21.13	21.40	22.00	
		1	74	21.06	20.74	21.23	22.00	
		36	0	19.91	19.49	19.87	21.00	
		36	18	20.08	19.73	20.00	21.00	
		36	39	20.14	19.73	20.11	21.00	
		75	0	20.00	19.68	19.86	21.00	
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
					20850	21100	21350	
	20MHz	QPSK	1	0	22.66	22.25	22.55	24.00
1			50	22.67	22.31	22.60	24.00	
1			99	22.61	22.45	22.77	24.00	
50			0	21.82	21.62	21.77	23.00	
50			25	21.83	21.63	21.78	23.00	
50			50	21.77	21.67	21.85	23.00	
100			0	21.77	21.69	21.70	23.00	
16QAM		1	0	22.25	21.99	21.76	23.00	
		1	50	21.90	21.64	21.75	23.00	
		1	99	21.99	21.70	21.73	23.00	
		50	0	20.88	20.67	20.68	22.00	
		50	25	20.69	20.57	20.75	22.00	
		50	50	20.72	20.66	20.91	22.00	
		100	0	20.81	20.62	20.80	22.00	
64QAM		1	0	21.17	20.55	21.26	22.00	
		1	50	21.27	21.09	21.38	22.00	
		1	99	21.09	20.74	21.24	22.00	
		50	0	19.94	19.53	19.88	21.00	
		50	25	20.07	19.71	19.98	21.00	
		50	50	20.13	19.68	20.09	21.00	
		100	0	20.02	19.69	19.85	21.00	



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	14.77	14.92	14.80	16.00
		1	13	14.92	14.62	14.88	16.00
		1	24	14.67	14.47	14.75	16.00
		12	0	14.74	14.43	14.90	16.00
		12	6	14.91	14.60	14.80	16.00
		12	13	14.71	14.41	14.75	16.00
		25	0	14.75	14.42	14.83	16.00
	16QAM	1	0	14.88	14.59	14.81	16.00
		1	13	14.61	14.40	14.70	16.00
		1	24	14.76	14.39	14.85	16.00
		12	0	14.93	14.52	14.83	16.00
		12	6	14.68	14.47	14.74	16.00
		12	13	14.81	14.47	14.80	16.00
		25	0	14.91	14.53	14.83	16.00
	64QAM	1	0	14.65	14.47	14.67	16.00
		1	13	14.79	14.44	14.85	16.00
		1	24	14.83	14.54	14.87	16.00
		12	0	14.66	14.38	14.73	16.00
		12	6	14.79	14.41	14.84	16.00
		12	13	14.89	14.56	14.87	16.00
		25	0	14.67	14.50	14.75	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	14.78	14.92	14.81	16.00
		1	25	14.88	14.61	14.86	16.00
		1	49	14.68	14.47	14.71	16.00
		25	0	14.73	14.40	14.86	16.00
		25	13	14.91	14.57	14.82	16.00
		25	25	14.68	14.41	14.74	16.00
		50	0	14.78	14.39	14.86	16.00
	16QAM	1	0	14.92	14.55	14.81	16.00
		1	25	14.63	14.43	14.71	16.00
		1	49	14.73	14.39	14.86	16.00
		25	0	14.89	14.54	14.86	16.00
		25	13	14.66	14.43	14.77	16.00
		25	25	14.78	14.44	14.79	16.00
		50	0	14.88	14.56	14.80	16.00
	64QAM	1	0	14.67	14.48	14.66	16.00
		1	25	14.75	14.48	14.87	16.00
		1	49	14.85	14.53	14.84	16.00
		25	0	14.68	14.43	14.75	16.00
		25	13	14.79	14.40	14.86	16.00



Bandwidth	Modulation	25	25	14.90	14.53	14.83	16.00
		50	0	14.67	14.48	14.75	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	14.74	14.95	14.78	16.00
		1	38	14.87	14.59	14.85	16.00
		1	74	14.66	14.45	14.71	16.00
		36	0	14.76	14.42	14.85	16.00
		36	18	14.89	14.57	14.83	16.00
		36	39	14.70	14.42	14.74	16.00
		75	0	14.77	14.39	14.85	16.00
	16QAM	1	0	14.91	14.55	14.80	16.00
		1	38	14.60	14.45	14.68	16.00
		1	74	14.77	14.39	14.84	16.00
		36	0	14.89	14.52	14.82	16.00
		36	18	14.65	14.46	14.76	16.00
		36	39	14.80	14.46	14.80	16.00
		75	0	14.88	14.54	14.84	16.00
	64QAM	1	0	14.66	14.46	14.68	16.00
		1	38	14.76	14.43	14.85	16.00
		1	74	14.87	14.53	14.88	16.00
		36	0	14.63	14.42	14.72	16.00
		36	18	14.78	14.42	14.87	16.00
		36	39	14.92	14.54	14.87	16.00
		75	0	14.69	14.48	14.75	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	14.84	15.00	14.88	16.00
		1	50	14.97	14.67	14.94	16.00
		1	99	14.74	14.52	15.53	16.00
		50	0	15.00	14.49	14.95	16.00
		50	25	14.98	14.66	14.90	16.00
		50	50	14.76	14.50	15.01	16.00
		100	0	14.85	14.48	14.92	16.00
	16QAM	1	0	14.97	14.64	14.89	16.00
		1	50	14.68	14.50	14.76	16.00
		1	99	14.82	14.49	14.91	16.00
		50	0	14.98	14.62	14.91	16.00
		50	25	14.73	14.53	14.83	16.00
		50	50	14.88	14.53	14.89	16.00
		100	0	14.96	14.62	14.90	16.00
	64QAM	1	0	14.75	14.54	14.76	16.00
		1	50	14.85	14.53	14.92	16.00
		1	99	14.93	14.63	14.94	16.00
		50	0	14.73	14.48	14.81	16.00
		50	25	14.86	14.48	14.92	16.00
		50	50	14.99	14.62	14.92	16.00
		100	0	14.74	14.55	14.81	16.00



LTE Band 66				Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				131979	132322	132665		
1.4MHz	QPSK	1	0	23.20	23.35	23.69	24.50	
		1	2	23.28	23.43	23.77	24.50	
		1	5	23.29	23.37	23.63	24.50	
		3	0	23.29	23.48	23.69	24.50	
		3	2	23.39	23.44	23.82	24.50	
		3	3	23.29	23.36	23.78	24.50	
	16QAM	6	0	22.33	22.44	22.80	23.00	
		1	0	22.21	22.83	22.94	23.00	
		1	2	22.58	22.96	22.84	23.00	
		1	5	22.57	22.44	22.88	23.00	
		3	0	22.38	22.49	22.83	23.00	
		3	2	22.35	22.55	22.90	23.00	
	64QAM	3	3	22.24	22.47	22.68	23.00	
		6	0	21.42	21.54	21.89	23.00	
		1	0	21.13	21.73	21.87	23.00	
		1	2	21.49	21.88	21.79	22.00	
		1	5	21.47	21.36	21.82	22.00	
		3	0	21.28	21.40	21.73	22.00	
	3MHz	QPSK	3	2	21.26	21.50	21.85	22.00
			3	3	21.15	21.39	21.63	22.00
			6	0	20.34	20.48	20.79	21.00
1			0	23.50	23.49	23.79	24.50	
1			7	23.39	23.36	23.77	24.50	
1			14	23.30	23.48	23.74	24.50	
16QAM		8	0	22.39	22.52	22.93	23.00	
		8	4	22.45	22.58	22.88	23.00	
		8	7	22.37	22.59	22.94	23.00	
		15	0	22.46	22.53	22.84	23.00	
		1	0	22.52	22.57	22.89	23.00	
		1	7	22.74	22.66	22.95	23.00	
64QAM		1	14	22.87	22.91	22.89	23.00	
		8	0	21.63	21.61	21.82	22.00	
		8	4	21.54	21.63	21.95	22.00	
	8	7	21.52	21.57	21.83	22.00		
	15	0	21.41	21.58	21.94	22.00		
	64QAM	1	0	21.43	21.52	21.80	22.00	
		1	7	21.69	21.61	21.86	22.00	
		1	14	21.82	21.83	21.80	22.00	
		8	0	20.54	20.52	20.75	21.00	
		8	4	20.46	20.53	20.86	21.00	



Bandwidth	Modulation	8	7	20.42	20.52	20.78	21.00	
		15	0	20.34	20.49	20.84	21.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				131997	132322	132647		
5MHz	QPSK	1	0	23.57	23.69	23.77	24.50	
		1	13	23.50	23.50	23.77	24.50	
		1	24	23.54	23.46	23.76	24.50	
		12	0	22.45	22.68	22.90	23.00	
		12	6	22.47	22.66	22.90	23.00	
		12	13	22.50	22.61	22.93	23.00	
		25	0	22.55	22.56	22.93	23.00	
	16QAM	1	0	22.92	22.67	22.86	23.00	
		1	13	22.82	22.79	22.85	23.00	
		1	24	22.55	22.75	22.88	23.00	
		12	0	21.45	21.60	21.93	22.00	
		12	6	21.55	21.67	21.96	22.00	
		12	13	21.58	21.60	21.91	22.00	
		25	0	21.56	21.73	21.89	22.00	
	64QAM	1	0	21.46	21.51	21.79	22.00	
		1	13	21.69	21.60	21.88	22.00	
		1	24	21.77	21.83	21.81	22.00	
		12	0	20.55	20.53	20.77	21.00	
		12	6	20.44	20.58	20.85	21.00	
		12	13	20.46	20.51	20.77	21.00	
		25	0	20.33	20.48	20.84	21.00	
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
	10MHz	QPSK	1	0	23.22	23.50	23.78	24.50
			1	25	23.48	23.57	23.74	24.50
1			49	23.35	23.39	23.76	24.50	
25			0	22.47	22.56	22.84	23.00	
25			13	22.42	22.61	22.95	23.00	
25			25	22.52	22.69	22.88	23.00	
50			0	22.37	22.60	22.88	23.00	
16QAM		1	0	22.95	22.65	22.81	23.00	
		1	25	22.19	22.63	22.75	23.00	
		1	49	22.87	22.82	22.87	23.00	
		25	0	21.50	21.58	21.84	22.00	
		25	13	21.46	21.73	21.86	22.00	
		25	25	21.37	21.69	21.89	22.00	
		50	0	21.50	21.68	21.80	22.00	
64QAM		1	0	21.47	21.47	21.84	22.00	
		1	25	21.64	21.61	21.90	22.00	
		1	49	21.82	21.82	21.80	22.00	
		25	0	20.57	20.53	20.72	21.00	
		25	13	20.48	20.57	20.86	21.00	
		25	25	20.43	20.47	20.78	21.00	
		50	0	20.33	20.53	20.84	21.00	
Bandwidth		Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
					132022	132322	132622	

Bandwidth	Modulation	RB size	RB offset	132047	132322	132597	Tune up
				Channel 132072	Channel 132322	Channel 132572	
15MHz	QPSK	1	0	23.41	23.34	23.72	24.50
		1	38	23.12	23.32	23.62	24.50
		1	74	23.22	23.79	23.55	24.50
		36	0	22.33	22.46	22.68	23.00
		36	18	22.41	22.45	22.65	23.00
		36	39	22.35	22.42	22.64	23.00
		75	0	22.27	22.44	22.59	23.00
	16QAM	1	0	22.64	22.55	22.78	23.00
		1	38	22.64	22.81	22.87	23.00
		1	74	22.37	22.48	22.93	23.00
		36	0	21.34	21.43	21.59	22.00
		36	18	21.40	21.60	21.63	22.00
		36	39	21.23	21.47	21.67	22.00
		75	0	21.34	21.48	21.59	22.00
	64QAM	1	0	21.47	21.48	21.82	22.00
		1	38	21.68	21.59	21.86	22.00
		1	74	21.77	21.85	21.82	22.00
		36	0	20.58	20.55	20.72	21.00
		36	18	20.46	20.56	20.90	21.00
		36	39	20.43	20.48	20.77	21.00
		75	0	20.35	20.49	20.89	21.00
20MHz	QPSK	1	0	23.52	23.54	23.58	24.50
		1	50	23.28	23.19	23.46	24.50
		1	99	23.35	23.62	23.64	24.50
		50	0	22.36	22.43	22.62	23.00
		50	25	22.35	22.44	22.59	23.00
		50	50	22.30	22.54	22.59	23.00
		100	0	22.36	22.52	22.59	23.00
	16QAM	1	0	22.46	22.59	22.69	23.00
		1	50	22.52	22.53	22.78	23.00
		1	99	22.72	22.66	22.60	23.00
		50	0	21.42	21.38	21.52	22.00
		50	25	21.38	21.50	21.50	22.00
		50	50	21.24	21.45	21.62	22.00
		100	0	21.39	21.49	21.48	22.00
	64QAM	1	0	21.42	21.49	21.81	22.00
		1	50	21.65	21.61	21.90	22.00
		1	99	21.79	21.81	21.81	22.00
		50	0	20.55	20.53	20.72	21.00
		50	25	20.44	20.57	20.90	21.00
		50	50	20.47	20.49	20.78	21.00
		100	0	20.33	20.53	20.86	21.00

LTE Band 38				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	22.82	22.54	22.59	24.00
		1	13	22.99	22.48	22.63	24.00
		1	24	22.95	22.41	22.51	24.00
		12	0	21.93	21.51	21.65	23.00
		12	6	21.93	21.55	21.61	23.00
		12	13	21.95	21.52	21.73	23.00
		25	0	21.94	21.44	21.72	23.00
	16QAM	1	0	22.26	21.82	21.87	23.00
		1	13	22.29	21.79	21.84	23.00
		1	24	22.35	21.80	21.81	23.00
		12	0	20.89	20.57	20.72	22.00
		12	6	20.88	20.54	20.69	22.00
		12	13	20.90	20.49	20.69	22.00
		25	0	20.95	20.58	20.76	22.00
	64QAM	1	0	21.20	20.74	20.81	22.00
		1	13	21.24	20.70	20.75	22.00
		1	24	21.25	20.73	20.73	22.00
		12	0	19.79	19.50	19.62	21.00
		12	6	19.81	19.48	19.64	21.00
		12	13	19.81	19.41	19.59	21.00
		25	0	19.89	19.53	19.66	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	22.81	22.22	22.48	24.00
		1	25	22.75	22.32	22.46	24.00
		1	49	22.50	22.41	22.57	24.00
		25	0	21.96	21.52	21.58	23.00
		25	13	21.74	21.59	21.70	23.00
		25	25	21.72	21.53	21.57	23.00
		50	0	21.93	21.54	21.53	23.00
	16QAM	1	0	22.03	21.55	21.58	23.00
		1	25	21.86	21.46	21.68	23.00
		1	49	21.87	21.54	21.67	23.00
		25	0	20.97	20.48	20.61	22.00
		25	13	20.93	20.52	20.71	22.00
		25	25	20.91	20.58	20.59	22.00
		50	0	20.90	20.57	20.54	22.00
	64QAM	1	0	21.16	20.75	20.80	22.00
		1	25	21.24	20.73	20.74	22.00
		1	49	21.29	20.74	20.71	22.00
		25	0	19.80	19.50	19.65	21.00
		25	13	19.78	19.46	19.59	21.00



Bandwidth	Modulation	25	25	19.80	19.43	19.59	21.00	
		50	0	19.90	19.51	19.70	21.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				37825	38000	38175		
15MHz	QPSK	1	0	22.57	22.27	22.22	24.00	
		1	38	22.65	22.32	22.27	24.00	
		1	74	22.50	22.45	22.44	24.00	
		36	0	21.76	21.43	21.45	23.00	
		36	18	21.89	21.43	21.53	23.00	
		36	39	21.66	21.41	21.47	23.00	
		75	0	21.74	21.47	21.48	23.00	
	16QAM	1	0	21.83	21.57	21.58	23.00	
		1	38	21.74	21.45	21.60	23.00	
		1	74	21.78	21.50	21.55	23.00	
		36	0	20.80	20.42	20.41	22.00	
		36	18	20.79	20.42	20.49	22.00	
		36	39	20.60	20.38	20.44	22.00	
		75	0	20.69	20.51	20.50	22.00	
	64QAM	1	0	21.20	20.74	20.80	22.00	
		1	38	21.19	20.71	20.75	22.00	
		1	74	21.30	20.70	20.75	22.00	
		36	0	19.80	19.47	19.67	21.00	
		36	18	19.78	19.46	19.64	21.00	
		36	39	19.82	19.39	19.63	21.00	
		75	0	19.90	19.50	19.66	21.00	
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
					37850	38000	38150	
	20MHz	QPSK	1	0	22.70	22.44	22.39	24.00
1			50	22.57	22.33	22.37	24.00	
1			99	22.48	22.44	22.49	24.00	
50			0	21.83	21.52	21.37	23.00	
50			25	21.65	21.47	21.47	23.00	
50			50	21.53	21.44	21.56	23.00	
100			0	21.60	21.49	21.48	23.00	
16QAM		1	0	21.81	21.57	21.38	23.00	
		1	50	21.80	21.35	21.50	23.00	
		1	99	21.68	21.47	21.71	23.00	
		50	0	20.82	20.55	20.39	22.00	
		50	25	20.62	20.39	20.58	22.00	
		50	50	20.68	20.47	20.56	22.00	
		100	0	20.76	20.52	20.48	22.00	
64QAM		1	0	21.16	20.76	20.79	22.00	
		1	50	21.22	20.71	20.79	22.00	
		1	99	21.27	20.74	20.72	22.00	
		50	0	19.80	19.51	19.67	21.00	
		50	25	19.79	19.49	19.60	21.00	
		50	50	19.83	19.40	19.61	21.00	
		100	0	19.87	19.53	19.67	21.00	



LTE Band 41				Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39675	40148	40620	41093	41565	
5MHz	QPSK	1	0	23.06	22.82	22.69	22.68	23.14	24.00
		1	13	23.09	22.77	22.78	22.79	23.07	24.00
		1	24	23.08	22.67	22.80	22.64	23.20	24.00
		12	0	22.13	21.78	21.82	21.76	22.15	23.00
		12	6	22.18	21.81	21.86	21.79	22.11	23.00
		12	13	22.16	21.77	21.80	21.72	22.09	23.00
		25	0	22.15	21.78	21.85	21.78	21.99	23.00
	16QAM	1	0	22.18	22.07	21.65	21.83	22.39	23.00
		1	13	22.26	22.13	22.17	22.02	22.48	23.00
		1	24	22.22	21.82	22.06	21.83	22.02	23.00
		12	0	21.08	20.72	20.90	20.77	21.02	22.00
		12	6	21.14	20.78	20.84	20.77	21.09	22.00
		12	13	21.12	20.71	20.79	20.69	21.08	22.00
		25	0	21.16	20.81	20.89	20.82	21.13	22.00
	64QAM	1	0	21.08	21.01	20.57	20.75	21.32	22.00
		1	13	21.18	21.03	21.08	20.96	21.41	22.00
		1	24	21.15	20.76	20.96	20.78	20.96	22.00
		12	0	19.98	19.65	19.85	19.70	19.94	21.00
		12	6	20.04	19.68	19.79	19.71	20.03	21.00
		12	13	20.05	19.65	19.72	19.60	20.01	21.00
		25	0	20.07	19.73	19.83	19.73	20.03	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39700	40160	40620	41080	41540	
10MHz	QPSK	1	0	22.92	22.56	22.30	22.65	22.86	24.00
		1	25	23.18	22.62	22.62	22.68	22.85	24.00
		1	49	22.98	22.65	22.67	22.67	22.89	24.00
		25	0	22.17	21.82	21.95	21.73	22.06	23.00
		25	13	21.95	21.77	21.90	21.84	22.07	23.00
		25	25	22.19	21.87	21.74	21.80	22.06	23.00
		50	0	22.08	21.80	21.85	21.85	22.12	23.00
	16QAM	1	0	22.33	21.75	21.97	21.96	21.84	23.00
		1	25	22.28	21.89	21.84	21.50	22.10	23.00
		1	49	22.28	21.82	21.96	22.09	22.08	23.00
		25	0	21.17	20.73	20.89	20.87	20.99	22.00
		25	13	20.96	20.77	20.83	20.73	21.11	22.00
		25	25	21.09	20.77	20.85	20.77	21.08	22.00
		50	0	21.19	20.90	20.97	20.83	21.14	22.00
	64QAM	1	0	21.09	21.02	20.59	20.73	21.31	22.00
		1	25	21.19	21.05	21.12	20.95	21.41	22.00
		1	49	21.14	20.72	20.99	20.78	20.92	22.00
		25	0	19.98	19.63	19.81	19.70	19.92	21.00
		25	13	20.09	19.72	19.78	19.72	20.01	21.00



Bandwidth	Modulation	25	25	20.07	19.64	19.72	19.60	20.00	21.00	
		50	0	20.11	19.72	19.83	19.75	20.07	21.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up	
				39725	40173	40620	41068	41515		
15MHz	QPSK	1	0	22.87	22.43	22.53	22.31	22.84	24.00	
		1	38	22.88	22.44	22.53	22.40	22.62	24.00	
		1	74	22.73	22.46	22.63	22.66	22.77	24.00	
		36	0	22.05	21.66	21.85	21.61	21.84	23.00	
		36	18	21.95	21.64	21.74	21.53	21.85	23.00	
		36	39	21.87	21.66	21.75	21.61	21.81	23.00	
		75	0	21.95	21.69	21.81	21.56	21.87	23.00	
	16QAM	1	0	22.02	21.68	21.79	21.61	21.89	23.00	
		1	38	21.97	21.63	21.76	21.60	21.71	23.00	
		1	74	21.93	21.76	21.75	21.78	21.88	23.00	
		36	0	20.98	20.71	20.74	20.67	20.91	22.00	
		36	18	20.91	20.67	20.72	20.59	20.83	22.00	
		36	39	20.82	20.61	20.71	20.57	20.77	22.00	
		75	0	21.04	20.77	20.71	20.66	20.97	22.00	
	64QAM	1	0	21.08	21.01	20.55	20.78	21.31	22.00	
		1	38	21.20	21.07	21.12	20.93	21.38	22.00	
		1	74	21.16	20.76	20.98	20.78	20.95	22.00	
		36	0	19.98	19.64	19.84	19.71	19.92	21.00	
		36	18	20.08	19.69	19.75	19.72	19.99	21.00	
		36	39	20.02	19.64	19.69	19.61	20.00	21.00	
		75	0	20.11	19.76	19.82	19.76	20.08	21.00	
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
					39750	40185	40620	41055	41490	
	20MHz	QPSK	1	0	22.86	22.50	22.61	22.53	22.68	24.00
1			50	22.74	22.34	22.51	22.48	22.64	24.00	
1			99	22.71	22.50	22.65	22.84	22.70	24.00	
50			0	22.11	21.71	21.74	21.68	21.79	23.00	
50			25	22.05	21.66	21.67	21.53	21.90	23.00	
50			50	21.87	21.71	21.76	21.60	21.81	23.00	
100			0	21.96	21.80	21.78	21.65	21.90	23.00	
16QAM		1	0	22.01	21.59	21.82	21.51	21.85	23.00	
		1	50	21.84	21.53	21.63	21.47	21.77	23.00	
		1	99	21.93	21.69	21.75	21.60	22.02	23.00	
		50	0	20.99	20.69	20.83	20.69	20.79	22.00	
		50	25	21.05	20.65	20.69	20.54	20.90	22.00	
		50	50	20.88	20.62	20.76	20.60	20.84	22.00	
		100	0	20.97	20.81	20.81	20.64	20.91	22.00	
64QAM		1	0	21.08	20.98	20.59	20.77	21.30	22.00	
		1	50	21.16	21.06	21.12	20.92	21.42	22.00	
		1	99	21.15	20.75	20.97	20.76	20.94	22.00	
		50	0	20.02	19.66	19.82	19.72	19.93	21.00	
		50	25	20.07	19.72	19.77	19.69	20.01	21.00	
		50	50	20.06	19.66	19.73	19.64	20.01	21.00	
		100	0	20.11	19.74	19.83	19.74	20.07	21.00	

Table 6 : Conducted Power of LTE

### 3 Conducted Power of EN\_DC (Ant1/2/3)

#### 3.1 Conducted Power of EN\_DC (Ant1)

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	16.81	16.86	16.79	17.00
		1	2	16.68	16.78	16.79	17.00
		1	5	16.86	16.76	16.76	17.00
		3	0	16.68	16.67	16.66	17.00
		3	2	16.63	16.68	16.58	17.00
		3	3	16.73	16.74	16.75	17.00
		6	0	16.67	16.68	16.71	17.00
	16QAM	1	0	16.76	16.80	16.70	17.00
		1	2	16.77	16.70	16.69	17.00
		1	5	16.67	16.77	16.77	17.00
		3	0	16.72	16.76	16.77	17.00
		3	2	16.68	16.74	16.70	17.00
		3	3	16.69	16.67	16.64	17.00
		6	0	16.69	16.73	16.74	17.00
	64QAM	1	0	16.70	16.73	16.68	17.00
		1	2	16.74	16.72	16.70	17.00
		1	5	16.80	16.77	16.69	17.00
		3	0	16.71	16.72	16.77	17.00
		3	2	16.69	16.76	16.67	17.00
		3	3	16.71	16.70	16.69	17.00
		6	0	16.70	16.74	16.80	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
3MHz	QPSK	1	0	16.82	16.82	16.84	17.00
		1	7	16.71	16.82	16.81	17.00
		1	14	16.86	16.76	16.74	17.00
		8	0	16.64	16.68	16.69	17.00
		8	4	16.62	16.64	16.60	17.00
		8	7	16.72	16.72	16.74	17.00
		15	0	16.64	16.66	16.69	17.00
	16QAM	1	0	16.78	16.77	16.72	17.00
		1	7	16.77	16.72	16.71	17.00
		1	14	16.67	16.77	16.73	17.00
		8	0	16.72	16.73	16.77	17.00
		8	4	16.72	16.72	16.74	17.00
		8	7	16.71	16.66	16.61	17.00
		15	0	16.71	16.73	16.75	17.00
	64QAM	1	0	16.74	16.71	16.67	17.00
		1	7	16.74	16.76	16.73	17.00

Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				23035	23095	23155		
5MHz	QPSK	1	14	16.80	16.82	16.67	17.00	
		8	0	16.71	16.69	16.75	17.00	
		8	4	16.68	16.72	16.67	17.00	
		8	7	16.73	16.70	16.67	17.00	
		15	0	16.72	16.78	16.80	17.00	
		16QAM	1	0	16.80	16.82	16.80	17.00
			1	13	16.72	16.77	16.81	17.00
	1		24	16.87	16.74	16.76	17.00	
	12		0	16.63	16.69	16.65	17.00	
	12		6	16.60	16.64	16.59	17.00	
	12		13	16.71	16.71	16.73	17.00	
	25		0	16.65	16.64	16.67	17.00	
	64QAM	1	0	16.78	16.76	16.70	17.00	
		1	13	16.78	16.70	16.73	17.00	
		1	24	16.69	16.77	16.72	17.00	
		12	0	16.76	16.75	16.74	17.00	
		12	6	16.69	16.73	16.73	17.00	
		12	13	16.73	16.63	16.64	17.00	
		25	0	16.70	16.75	16.73	17.00	
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
23060					23095	23130		
10MHz	QPSK	1	0	16.89	16.91	16.89	17.00	
		1	25	16.78	16.87	16.87	17.00	
		1	49	16.92	16.82	16.84	17.00	
		25	0	16.73	16.76	16.74	17.00	
		25	13	16.70	16.73	16.67	17.00	
		25	25	16.80	16.80	16.80	17.00	
		50	0	16.72	16.74	16.77	17.00	
	16QAM	1	0	16.84	16.86	16.79	17.00	
		1	25	16.86	16.79	16.79	17.00	
		1	49	16.76	16.84	16.82	17.00	
		25	0	16.81	16.83	16.84	17.00	
		25	13	16.78	16.80	16.80	17.00	
		25	25	16.79	16.72	16.71	17.00	
		50	0	16.76	16.81	16.82	17.00	
	64QAM	1	0	16.79	16.80	16.77	17.00	
		1	25	16.81	16.81	16.78	17.00	
		1	49	16.85	16.87	16.77	17.00	
		25	0	16.80	16.79	16.85	17.00	
		25	13	16.75	16.82	16.77	17.00	

		25	25	16.80	16.80	16.75	17.00
		50	0	16.79	16.84	16.86	17.00

Table 7 : Conducted Power of EN\_DC

### 3.2 Conducted Power of EN\_DC (Ant2)

LTE Band 2				Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				18607	18900	19193		
1.4MHz	QPSK	1	0	16.41	16.4	16.38	17.00	
		1	2	16.29	16.37	16.36	17.00	
		1	5	16.37	16.4	16.32	17.00	
		3	0	16.2	16.25	16.27	17.00	
		3	2	16.27	16.29	16.2	17.00	
		3	3	16.36	16.34	16.33	17.00	
	16QAM	6	0	16.26	16.29	16.26	17.00	
		1	0	16.34	16.31	16.33	17.00	
		1	2	16.35	16.34	16.33	17.00	
		1	5	16.29	16.33	16.35	17.00	
		3	0	16.37	16.37	16.38	17.00	
		3	2	16.28	16.32	16.33	17.00	
	64QAM	3	3	16.26	16.27	16.21	17.00	
		6	0	16.29	16.36	16.31	17.00	
		1	0	16.29	16.31	16.30	17.00	
		1	2	16.32	16.35	16.32	17.00	
		1	5	16.33	16.35	16.35	17.00	
		3	0	16.30	16.38	16.37	17.00	
	3MHz	QPSK	3	2	16.32	16.32	16.29	17.00
			3	3	16.28	16.28	16.31	17.00
			6	0	16.28	16.31	16.32	17.00
			1	0	16.38	16.39	16.37	17.00
			1	7	16.31	16.34	16.37	17.00
			1	14	16.36	16.39	16.37	17.00
16QAM		8	0	16.24	16.26	16.25	17.00	
		8	4	16.26	16.28	16.22	17.00	
		8	7	16.32	16.35	16.32	17.00	
		15	0	16.29	16.29	16.28	17.00	
		1	0	16.31	16.34	16.3	17.00	
		1	7	16.33	16.39	16.34	17.00	
64QAM	1	14	16.28	16.34	16.36	17.00		
	8	0	16.33	16.33	16.37	17.00		
	8	4	16.28	16.31	16.3	17.00		
	8	7	16.27	16.24	16.23	17.00		
	15	0	16.31	16.34	16.35	17.00		
	1	0	16.30	16.29	16.33	17.00		

Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	16.38	16.43	16.39	17.00
		1	13	16.34	16.34	16.38	17.00
		1	24	16.38	16.38	16.37	17.00
		12	0	16.2	16.28	16.3	17.00
		12	6	16.29	16.26	16.22	17.00
		12	13	16.32	16.31	16.32	17.00
	16QAM	25	0	16.27	16.26	16.27	17.00
		1	0	16.33	16.35	16.33	17.00
		1	13	16.36	16.36	16.33	17.00
		1	24	16.32	16.37	16.36	17.00
		12	0	16.36	16.38	16.33	17.00
		12	6	16.27	16.32	16.29	17.00
	64QAM	12	13	16.24	16.28	16.24	17.00
		25	0	16.29	16.36	16.34	17.00
		1	0	16.29	16.30	16.32	17.00
		1	13	16.28	16.31	16.31	17.00
		1	24	16.37	16.34	16.33	17.00
		12	0	16.30	16.36	16.35	17.00
10MHz	QPSK	12	6	16.33	16.32	16.32	17.00
		12	13	16.32	16.32	16.31	17.00
		25	0	16.32	16.33	16.28	17.00
		1	0	16.38	16.39	16.39	17.00
		1	25	16.33	16.36	16.37	17.00
		1	49	16.36	16.36	16.32	17.00
	16QAM	25	0	16.24	16.3	16.3	17.00
		25	13	16.25	16.29	16.23	17.00
		25	25	16.33	16.34	16.31	17.00
		50	0	16.25	16.27	16.25	17.00
		1	0	16.34	16.36	16.29	17.00
		1	25	16.37	16.38	16.33	17.00
	64QAM	1	49	16.3	16.37	16.38	17.00
		25	0	16.32	16.35	16.37	17.00
		25	13	16.32	16.33	16.33	17.00
		25	25	16.27	16.29	16.25	17.00
		50	0	16.3	16.35	16.33	17.00
		1	0	16.29	16.30	16.29	17.00
		1	25	16.28	16.34	16.34	17.00
		1	49	16.33	16.38	16.30	17.00
		25	0	16.30	16.37	16.33	17.00
		25	0	16.30	16.37	16.33	17.00

Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	25	13	16.32	16.36	16.30	17.00
		25	25	16.30	16.32	16.26	17.00
		50	0	16.32	16.29	16.33	17.00
		1	0	16.37	16.41	16.37	17.00
		1	38	16.33	16.35	16.38	17.00
		1	74	16.36	16.4	16.32	17.00
		36	0	16.22	16.3	16.28	17.00
	16QAM	36	18	16.24	16.26	16.23	17.00
		36	39	16.32	16.33	16.36	17.00
		75	0	16.24	16.3	16.27	17.00
		1	0	16.29	16.35	16.33	17.00
		1	38	16.33	16.38	16.35	17.00
		1	74	16.3	16.35	16.38	17.00
		36	0	16.37	16.37	16.38	17.00
	64QAM	36	18	16.28	16.31	16.33	17.00
		36	39	16.28	16.25	16.21	17.00
		75	0	16.32	16.36	16.31	17.00
		1	0	16.33	16.33	16.31	17.00
		1	38	16.27	16.31	16.33	17.00
		1	74	16.36	16.36	16.30	17.00
		36	0	16.29	16.37	16.38	17.00
20MHz	QPSK	36	18	16.30	16.32	16.31	17.00
		36	39	16.31	16.33	16.29	17.00
		75	0	16.29	16.29	16.31	17.00
		1	0	16.47	16.48	16.46	17.00
		1	50	16.39	16.44	16.44	17.00
		1	99	16.44	16.45	16.42	17.00
		50	0	16.30	16.35	16.35	17.00
	16QAM	50	25	16.34	16.35	16.30	17.00
		50	50	16.41	16.41	16.41	17.00
		100	0	16.34	16.35	16.33	17.00
		1	0	16.39	16.41	16.39	17.00
		1	50	16.43	16.44	16.40	17.00
		1	99	16.38	16.43	16.43	17.00
		50	0	16.42	16.43	16.43	17.00
	64QAM	50	25	16.37	16.39	16.38	17.00
		50	50	16.34	16.34	16.30	17.00
		100	0	16.37	16.41	16.41	17.00
		1	0	16.38	16.39	16.38	17.00
		1	50	16.37	16.41	16.41	17.00
		1	99	16.43	16.44	16.40	17.00
		50	0	16.39	16.43	16.43	17.00
20MHz	64QAM	50	25	16.38	16.41	16.38	17.00
		50	50	16.37	16.38	16.36	17.00
		100	0	16.38	16.38	16.38	17.00

LTE Band 66				Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				131979	132322	132665		
1.4MHz	QPSK	1	0	16.34	16.38	16.34	17.00	
		1	2	16.24	16.34	16.36	17.00	
		1	5	16.34	16.39	16.39	17.00	
		3	0	16.24	16.25	16.33	17.00	
		3	2	16.26	16.25	16.19	17.00	
		3	3	16.32	16.32	16.28	17.00	
	16QAM	6	0	16.26	16.27	16.19	17.00	
		1	0	16.28	16.30	16.30	17.00	
		1	2	16.32	16.33	16.31	17.00	
		1	5	16.31	16.31	16.28	17.00	
		3	0	16.29	16.32	16.33	17.00	
		3	2	16.27	16.27	16.32	17.00	
	64QAM	3	3	16.27	16.20	16.19	17.00	
		6	0	16.31	16.30	16.32	17.00	
		1	0	16.24	16.28	16.31	17.00	
		1	2	16.27	16.35	16.34	17.00	
		1	5	16.34	16.32	16.28	17.00	
		3	0	16.32	16.34	16.36	17.00	
	3MHz	QPSK	3	2	16.25	16.31	16.25	17.00
			3	3	16.27	16.27	16.22	17.00
			6	0	16.31	16.27	16.29	17.00
1			0	16.36	16.42	16.34	17.00	
1			7	16.28	16.30	16.36	17.00	
1			14	16.33	16.38	16.43	17.00	
16QAM		8	0	16.19	16.26	16.35	17.00	
		8	4	16.24	16.23	16.22	17.00	
		8	7	16.29	16.30	16.27	17.00	
		15	0	16.22	16.26	16.22	17.00	
		1	0	16.32	16.30	16.27	17.00	
		1	7	16.31	16.34	16.34	17.00	
64QAM		1	14	16.28	16.33	16.31	17.00	
		8	0	16.32	16.36	16.37	17.00	
		8	4	16.28	16.31	16.28	17.00	
	8	7	16.26	16.24	16.24	17.00		
	15	0	16.29	16.29	16.30	17.00		
3MHz	64QAM	1	0	16.29	16.26	16.33	17.00	
		1	7	16.25	16.30	16.34	17.00	
		1	14	16.32	16.33	16.29	17.00	
		8	0	16.33	16.29	16.36	17.00	
		8	4	16.25	16.36	16.30	17.00	



Bandwidth	Modulation	8	7	16.32	16.27	16.22	17.00	
		15	0	16.27	16.29	16.28	17.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				131997	132322	132647		
5MHz	QPSK	1	0	16.38	16.42	16.35	17.00	
		1	13	16.25	16.30	16.32	17.00	
		1	24	16.35	16.35	16.42	17.00	
		12	0	16.21	16.28	16.34	17.00	
		12	6	16.27	16.24	16.22	17.00	
		12	13	16.29	16.30	16.27	17.00	
		25	0	16.25	16.26	16.24	17.00	
	16QAM	1	0	16.31	16.27	16.30	17.00	
		1	13	16.35	16.34	16.33	17.00	
		1	24	16.30	16.35	16.28	17.00	
		12	0	16.33	16.36	16.37	17.00	
		12	6	16.30	16.32	16.29	17.00	
		12	13	16.27	16.19	16.21	17.00	
		25	0	16.30	16.32	16.28	17.00	
	64QAM	1	0	16.29	16.28	16.30	17.00	
		1	13	16.25	16.34	16.32	17.00	
		1	24	16.35	16.35	16.26	17.00	
		12	0	16.31	16.31	16.34	17.00	
		12	6	16.28	16.33	16.28	17.00	
		12	13	16.32	16.29	16.25	17.00	
		25	0	16.27	16.29	16.33	17.00	
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
	10MHz	QPSK	1	0	16.35	16.39	16.37	17.00
			1	25	16.26	16.33	16.36	17.00
1			49	16.33	16.39	16.42	17.00	
25			0	16.22	16.26	16.31	17.00	
25			13	16.27	16.22	16.20	17.00	
25			25	16.31	16.28	16.27	17.00	
50			0	16.24	16.26	16.23	17.00	
16QAM		1	0	16.31	16.31	16.29	17.00	
		1	25	16.32	16.33	16.30	17.00	
		1	49	16.30	16.30	16.32	17.00	
		25	0	16.30	16.37	16.32	17.00	
		25	13	16.27	16.32	16.28	17.00	
		25	25	16.24	16.22	16.23	17.00	
		50	0	16.30	16.31	16.27	17.00	
64QAM		1	0	16.24	16.29	16.29	17.00	
		1	25	16.23	16.30	16.30	17.00	
		1	49	16.34	16.32	16.30	17.00	
		25	0	16.30	16.29	16.37	17.00	
		25	13	16.26	16.32	16.26	17.00	
		25	25	16.31	16.26	16.24	17.00	
		50	0	16.31	16.28	16.33	17.00	
Bandwidth		Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
					132022	132322	132622	



Bandwidth	Modulation	RB size	RB offset	132047	132322	132597	Tune up
				Channel 132072	Channel 132322	Channel 132572	
15MHz	QPSK	1	0	16.34	16.43	16.36	17.00
		1	38	16.24	16.34	16.35	17.00
		1	74	16.36	16.36	16.41	17.00
		36	0	16.23	16.27	16.31	17.00
		36	18	16.29	16.24	16.19	17.00
		36	39	16.33	16.29	16.30	17.00
		75	0	16.26	16.27	16.24	17.00
	16QAM	1	0	16.31	16.29	16.28	17.00
		1	38	16.34	16.38	16.30	17.00
		1	74	16.32	16.34	16.33	17.00
		36	0	16.28	16.36	16.33	17.00
		36	18	16.27	16.27	16.31	17.00
		36	39	16.28	16.22	16.21	17.00
		75	0	16.27	16.29	16.29	17.00
	64QAM	1	0	16.29	16.28	16.30	17.00
		1	38	16.27	16.35	16.31	17.00
		1	74	16.32	16.35	16.30	17.00
		36	0	16.28	16.31	16.38	17.00
		36	18	16.25	16.31	16.30	17.00
		36	39	16.27	16.24	16.21	17.00
		75	0	16.29	16.31	16.32	17.00
20MHz	QPSK	1	0	16.43	16.48	16.42	17.00
		1	50	16.34	16.40	16.42	17.00
		1	99	16.42	16.45	16.49	17.00
		50	0	16.29	16.35	16.41	17.00
		50	25	16.34	16.31	16.27	17.00
		50	50	16.39	16.38	16.37	17.00
		100	0	16.31	16.34	16.29	17.00
	16QAM	1	0	16.38	16.36	16.36	17.00
		1	50	16.41	16.43	16.39	17.00
		1	99	16.38	16.40	16.38	17.00
		50	0	16.38	16.42	16.42	17.00
		50	25	16.37	16.37	16.38	17.00
		50	50	16.33	16.29	16.29	17.00
		100	0	16.37	16.39	16.37	17.00
	64QAM	1	0	16.34	16.35	16.38	17.00
		1	50	16.32	16.40	16.39	17.00
		1	99	16.42	16.40	16.36	17.00
		50	0	16.38	16.39	16.43	17.00
		50	25	16.35	16.41	16.35	17.00
		50	50	16.37	16.34	16.31	17.00
		100	0	16.36	16.36	16.38	17.00

Table 8 : Conducted Power of EN\_DC

### 3.3 Conducted Power of EN\_DC (Ant3)

LTE Band 2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	22.79	22.75	22.73	24.00
		1	2	23.05	23.14	23.03	24.00
		1	5	22.96	22.97	22.94	24.00
		3	0	21.9	21.91	21.89	23.00
		3	2	21.92	21.94	21.93	23.00
		3	3	21.89	21.88	21.84	23.00
		6	0	21.93	21.95	21.92	23.00
	16QAM	1	0	21.8	21.79	21.77	23.00
		1	2	21.7	21.72	21.65	23.00
		1	5	21.61	21.67	21.63	23.00
		3	0	20.87	20.91	20.9	22.00
		3	2	20.86	20.88	20.88	22.00
		3	3	20.9	20.9	20.87	22.00
		6	0	20.84	20.84	20.87	22.00
	64QAM	1	0	20.67	20.72	20.70	22.00
		1	2	20.68	20.71	20.74	22.00
		1	5	20.63	20.64	20.63	22.00
		3	0	19.89	19.87	19.86	21.00
		3	2	19.92	19.95	19.90	21.00
		3	3	19.93	19.91	19.94	21.00
		6	0	19.84	19.87	19.88	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
3MHz	QPSK	1	0	22.74	22.78	22.78	24.00
		1	7	23.04	23.14	23.03	24.00
		1	14	22.94	22.98	22.94	24.00
		8	0	21.92	21.91	21.88	23.00
		8	4	21.9	21.92	21.88	23.00
		8	7	21.86	21.92	21.85	23.00
		15	0	21.95	21.96	21.91	23.00
	16QAM	1	0	21.78	21.84	21.8	23.00
		1	7	21.65	21.75	21.65	23.00
		1	14	21.64	21.69	21.64	23.00
		8	0	20.83	20.91	20.89	22.00
		8	4	20.84	20.92	20.86	22.00
		8	7	20.91	20.9	20.86	22.00
		15	0	20.87	20.86	20.85	22.00
	64QAM	1	0	20.69	20.68	20.68	22.00
		1	7	20.71	20.71	20.75	22.00
		1	14	20.59	20.65	20.60	22.00
		8	0	19.89	19.89	19.85	21.00

Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				18625	18900	19175		
5MHz	QPSK	8	4	19.90	19.91	19.94	21.00	
		8	7	19.93	19.91	19.91	21.00	
		15	0	19.86	19.86	19.88	21.00	
		1	0	22.77	22.77	22.75	24.00	
		1	13	23.02	23.11	23.04	24.00	
		1	24	22.94	22.98	22.92	24.00	
	16QAM	12	0	21.93	21.93	21.86	23.00	
		12	6	21.93	21.96	21.88	23.00	
		12	13	21.86	21.89	21.83	23.00	
		25	0	21.91	21.97	21.94	23.00	
		1	0	21.78	21.82	21.82	23.00	
		1	13	21.67	21.7	21.66	23.00	
	64QAM	1	24	21.62	21.65	21.67	23.00	
		12	0	20.85	20.87	20.88	22.00	
		12	6	20.84	20.87	20.89	22.00	
		12	13	20.87	20.9	20.88	22.00	
		25	0	20.83	20.83	20.87	22.00	
		1	0	20.66	20.70	20.67	22.00	
	10MHz	QPSK	1	13	20.66	20.71	20.70	22.00
			1	24	20.64	20.61	20.63	22.00
			12	0	19.89	19.89	19.85	21.00
			12	6	19.92	19.92	19.95	21.00
			12	13	19.91	19.93	19.95	21.00
			25	0	19.85	19.89	19.89	21.00
16QAM		Channel	Channel	Channel	Tune up			
		18650	18900	19150				
		1	0	22.77	22.79	22.74	24.00	
		1	25	23.04	23.09	23.05	24.00	
		1	49	22.97	23	22.93	24.00	
		25	0	21.94	21.92	21.87	23.00	
64QAM		25	13	21.95	21.93	21.93	23.00	
		25	25	21.87	21.92	21.87	23.00	
		50	0	21.92	21.98	21.92	23.00	
		1	0	21.78	21.82	21.79	23.00	
		1	25	21.68	21.72	21.65	23.00	
		1	49	21.65	21.69	21.63	23.00	
16QAM		25	0	20.87	20.86	20.87	22.00	
		25	13	20.87	20.91	20.88	22.00	
		25	25	20.9	20.89	20.9	22.00	
		50	0	20.83	20.83	20.83	22.00	
		1	0	20.68	20.69	20.66	22.00	
		1	25	20.69	20.75	20.72	22.00	
64QAM	1	49	20.64	20.65	20.59	22.00		
	25	0	19.91	19.90	19.89	21.00		
	25	13	19.90	19.92	19.95	21.00		
	25	25	19.95	19.91	19.96	21.00		
	50	0	19.87	19.89	19.86	21.00		



Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	22.79	22.78	22.74	24.00
		1	38	23.03	23.13	23.06	24.00
		1	74	22.99	22.99	22.96	24.00
		36	0	21.92	21.94	21.9	23.00
		36	18	21.95	21.91	21.91	23.00
		36	39	21.88	21.93	21.86	23.00
		75	0	21.95	21.96	21.94	23.00
	16QAM	1	0	21.79	21.81	21.78	23.00
		1	38	21.67	21.74	21.66	23.00
		1	74	21.6	21.7	21.64	23.00
		36	0	20.87	20.87	20.87	22.00
		36	18	20.84	20.91	20.89	22.00
		36	39	20.87	20.89	20.9	22.00
		75	0	20.86	20.84	20.83	22.00
	64QAM	1	0	20.71	20.72	20.67	22.00
		1	38	20.69	20.72	20.74	22.00
		1	74	20.60	20.64	20.61	22.00
		36	0	19.90	19.87	19.85	21.00
		36	18	19.93	19.93	19.93	21.00
		36	39	19.92	19.91	19.93	21.00
		75	0	19.88	19.91	19.87	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	QPSK	1	0	22.84	22.84	22.83	24.00
		1	50	23.12	23.19	23.11	24.00
		1	99	23.04	23.05	23.01	24.00
		50	0	21.99	22.01	21.96	23.00
		50	25	22.00	22.01	21.98	23.00
		50	50	21.95	21.98	21.93	23.00
		100	0	22.01	22.03	22.01	23.00
	16QAM	1	0	21.87	21.89	21.87	23.00
		1	50	21.75	21.80	21.75	23.00
		1	99	21.70	21.75	21.73	23.00
		50	0	20.92	20.96	20.96	22.00
		50	25	20.93	20.97	20.95	22.00
		50	50	20.96	20.98	20.95	22.00
		100	0	20.92	20.93	20.92	22.00
	64QAM	1	0	20.76	20.78	20.75	22.00
		1	50	20.76	20.81	20.80	22.00
		1	99	20.69	20.70	20.69	22.00
		50	0	19.97	19.97	19.95	21.00
		50	25	19.99	20.00	20.00	21.00
		50	50	20.00	20.01	20.01	21.00
		100	0	19.94	19.96	19.96	21.00



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	23.27	23.27	23.24	24.00	
		1	2	22.75	22.75	22.73	24.00	
		1	5	22.79	22.77	22.77	24.00	
		3	0	21.81	21.88	21.84	23.00	
		3	2	21.86	21.86	21.82	23.00	
		3	3	21.9	21.86	21.83	23.00	
	16QAM	6	0	21.84	21.87	21.89	23.00	
		1	0	22.16	22.2	22.15	23.00	
		1	2	21.64	21.66	21.64	23.00	
		1	5	21.73	21.74	21.7	23.00	
		3	0	20.74	20.78	20.78	22.00	
		3	2	20.75	20.79	20.76	22.00	
	64QAM	3	3	20.82	20.79	20.84	22.00	
		6	0	20.8	20.79	20.77	22.00	
		1	0	21.08	21.09	21.07	22.00	
		1	2	20.61	20.63	20.59	22.00	
		1	5	20.58	20.63	20.67	22.00	
		3	0	19.69	19.74	19.68	21.00	
	3MHz	QPSK	3	2	19.66	19.72	19.66	21.00
			3	3	19.75	19.79	19.79	21.00
			6	0	19.75	19.77	19.68	21.00
1			0	23.27	23.25	23.27	24.00	
1			7	22.72	22.76	22.73	24.00	
1			14	22.77	22.79	22.73	24.00	
8			0	21.82	21.83	21.88	23.00	
16QAM		8	4	21.87	21.86	21.81	23.00	
		8	7	21.86	21.87	21.83	23.00	
		15	0	21.8	21.86	21.89	23.00	
		1	0	22.15	22.18	22.15	23.00	
		1	7	21.63	21.68	21.64	23.00	
		1	14	21.71	21.73	21.7	23.00	
		8	0	20.77	20.8	20.77	22.00	
64QAM		8	4	20.74	20.74	20.72	22.00	
		8	7	20.79	20.84	20.83	22.00	
		15	0	20.78	20.79	20.8	22.00	
		1	0	21.07	21.14	21.11	22.00	
		1	7	20.58	20.62	20.60	22.00	
		1	14	20.61	20.63	20.62	22.00	
		8	0	19.69	19.74	19.71	21.00	
	8	4	19.67	19.72	19.68	21.00		
	8	7	19.72	19.77	19.78	21.00		



Bandwidth	Modulation	RB size	RB offset	15	0	19.72	19.76	19.72	21.00
				Channel	Channel	Channel	Tune up		
				19975	20175	20375			
5MHz	QPSK	1	0	23.27	23.25	23.22	24.00		
		1	13	22.71	22.79	22.77	24.00		
		1	24	22.74	22.75	22.77	24.00		
		12	0	21.83	21.85	21.86	23.00		
		12	6	21.88	21.83	21.81	23.00		
		12	13	21.91	21.89	21.86	23.00		
		25	0	21.84	21.85	21.85	23.00		
	16QAM	1	0	22.17	22.17	22.16	23.00		
		1	13	21.63	21.65	21.63	23.00		
		1	24	21.71	21.7	21.69	23.00		
		12	0	20.78	20.78	20.76	22.00		
		12	6	20.7	20.79	20.75	22.00		
		12	13	20.79	20.81	20.83	22.00		
		25	0	20.79	20.8	20.76	22.00		
	64QAM	1	0	21.07	21.13	21.10	22.00		
		1	13	20.59	20.61	20.57	22.00		
		1	24	20.59	20.65	20.64	22.00		
		12	0	19.70	19.71	19.72	21.00		
		12	6	19.68	19.72	19.68	21.00		
		12	13	19.75	19.77	19.74	21.00		
		25	0	19.72	19.73	19.69	21.00		
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up		
				20000	20175	20350			
10MHz	QPSK	1	0	23.27	23.27	23.25	24.00		
		1	25	22.71	22.76	22.72	24.00		
		1	49	22.79	22.76	22.74	24.00		
		25	0	21.83	21.83	21.87	23.00		
		25	13	21.85	21.85	21.84	23.00		
		25	25	21.88	21.86	21.82	23.00		
		50	0	21.8	21.88	21.89	23.00		
	16QAM	1	0	22.14	22.16	22.16	23.00		
		1	25	21.61	21.65	21.62	23.00		
		1	49	21.73	21.75	21.7	23.00		
		25	0	20.78	20.81	20.76	22.00		
		25	13	20.71	20.78	20.77	22.00		
		25	25	20.81	20.79	20.84	22.00		
		50	0	20.79	20.8	20.8	22.00		
	64QAM	1	0	21.05	21.13	21.11	22.00		
		1	25	20.58	20.63	20.59	22.00		
		1	49	20.58	20.62	20.64	22.00		
		25	0	19.68	19.72	19.68	21.00		
		25	13	19.70	19.74	19.64	21.00		
		25	25	19.75	19.76	19.74	21.00		
		50	0	19.72	19.76	19.70	21.00		
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up		
				20025	20175	20325			

15MHz	QPSK	1	0	23.25	23.26	23.24	24.00
		1	38	22.72	22.76	22.73	24.00
		1	74	22.79	22.79	22.75	24.00
		36	0	21.8	21.86	21.88	23.00
		36	18	21.88	21.83	21.8	23.00
		36	39	21.89	21.88	21.84	23.00
		75	0	21.8	21.87	21.87	23.00
	16QAM	1	0	22.13	22.17	22.13	23.00
		1	38	21.61	21.7	21.62	23.00
		1	74	21.75	21.75	21.69	23.00
		36	0	20.74	20.79	20.73	22.00
		36	18	20.73	20.76	20.74	22.00
		36	39	20.83	20.83	20.8	22.00
		75	0	20.79	20.83	20.77	22.00
	64QAM	1	0	21.05	21.14	21.12	22.00
		1	38	20.58	20.61	20.59	22.00
		1	74	20.58	20.67	20.65	22.00
		36	0	19.69	19.69	19.68	21.00
		36	18	19.68	19.69	19.65	21.00
		36	39	19.73	19.77	19.75	21.00
		75	0	19.72	19.72	19.68	21.00
Bandwidth	Modulation	RB size	RB offset	Channel 20050	Channel 20175	Channel 20300	Tune up
20MHz	QPSK	1	0	23.34	23.35	23.32	24.00
		1	50	22.80	22.84	22.82	24.00
		1	99	22.84	22.85	22.83	24.00
		50	0	21.89	21.93	21.93	23.00
		50	25	21.93	21.93	21.89	23.00
		50	50	21.96	21.96	21.92	23.00
		100	0	21.90	21.94	21.94	23.00
	16QAM	1	0	22.22	22.25	22.23	23.00
		1	50	21.70	21.75	21.72	23.00
		1	99	21.80	21.80	21.78	23.00
		50	0	20.84	20.87	20.83	22.00
		50	25	20.80	20.84	20.82	22.00
		50	50	20.88	20.89	20.89	22.00
		100	0	20.86	20.88	20.86	22.00
	64QAM	1	0	21.15	21.19	21.17	22.00
		1	50	20.66	20.69	20.65	22.00
		1	99	20.67	20.72	20.72	22.00
		50	0	19.78	19.79	19.77	21.00
		50	25	19.76	19.79	19.74	21.00
		50	50	19.82	19.84	19.84	21.00
		100	0	19.82	19.82	19.78	21.00



LTE Band 7 Full power/Sensor off				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	22.84	22.93	22.83	24.00
		1	13	22.86	22.89	22.85	24.00
		1	24	22.98	23.06	23.00	24.00
		12	0	21.90	21.98	21.88	23.00
		12	6	21.88	21.99	21.89	23.00
		12	13	21.92	22.01	21.95	23.00
		25	0	21.92	22.01	21.89	23.00
	16QAM	1	0	21.79	21.85	21.73	23.00
		1	13	21.76	21.82	21.74	23.00
		1	24	21.87	21.95	21.89	23.00
		12	0	20.86	20.92	20.84	22.00
		12	6	20.82	20.88	20.81	22.00
		12	13	20.91	20.97	20.90	22.00
		25	0	20.85	20.93	20.86	22.00
	64QAM	1	0	20.70	20.79	20.72	22.00
		1	13	20.66	20.74	20.66	22.00
		1	24	20.81	20.86	20.81	22.00
		12	0	19.79	19.84	19.77	21.00
		12	6	19.76	19.80	19.72	21.00
		12	13	19.80	19.84	19.75	21.00
		25	0	19.76	19.86	19.77	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	22.86	22.91	22.82	24.00
		1	25	22.84	22.93	22.80	24.00
		1	49	22.99	23.04	22.96	24.00
		25	0	21.89	21.99	21.89	23.00
		25	13	21.91	21.98	21.90	23.00
		25	25	21.94	22.00	21.91	23.00
		50	0	21.92	22.02	21.91	23.00
	16QAM	1	0	21.79	21.86	21.73	23.00
		1	25	21.76	21.84	21.74	23.00
		1	49	21.87	21.98	21.91	23.00
		25	0	20.83	20.89	20.85	22.00
		25	13	20.81	20.87	20.78	22.00
		25	25	20.90	20.96	20.87	22.00
		50	0	20.81	20.95	20.84	22.00
	64QAM	1	0	20.70	20.74	20.68	22.00
		1	25	20.67	20.74	20.66	22.00
		1	49	20.80	20.90	20.79	22.00
		25	0	19.80	19.83	19.77	21.00
		25	13	19.76	19.83	19.73	21.00
		25	25	19.82	19.87	19.76	21.00





Bandwidth	Modulation	50	0	19.78	19.88	19.82	21.00
		RB size	RB offset	Channel 20825	Channel 21100	Channel 21375	Tune up
15MHz	QPSK	1	0	22.82	22.94	22.83	24.00
		1	38	22.87	22.93	22.83	24.00
		1	74	23.00	23.04	22.97	24.00
		36	0	21.88	21.96	21.90	23.00
		36	18	21.91	21.98	21.91	23.00
		36	39	21.89	22.01	21.92	23.00
		75	0	21.97	21.98	21.92	23.00
	16QAM	1	0	21.77	21.85	21.75	23.00
		1	38	21.73	21.80	21.73	23.00
		1	74	21.89	21.94	21.87	23.00
		36	0	20.86	20.92	20.87	22.00
		36	18	20.81	20.87	20.78	22.00
		36	39	20.94	20.98	20.88	22.00
		75	0	20.83	20.92	20.88	22.00
	64QAM	1	0	20.71	20.75	20.70	22.00
		1	38	20.69	20.74	20.66	22.00
		1	74	20.80	20.85	20.77	22.00
		36	0	19.77	19.84	19.74	21.00
		36	18	19.76	19.84	19.72	21.00
		36	39	19.81	19.84	19.77	21.00
		75	0	19.78	19.85	19.82	21.00
Bandwidth	Modulation	RB size	RB offset	Channel 20850	Channel 21100	Channel 21350	Tune up
20MHz	QPSK	1	0	22.92	23.01	22.92	24.00
		1	50	22.93	22.98	22.90	24.00
		1	99	23.05	23.12	23.06	24.00
		50	0	21.98	22.05	21.96	23.00
		50	25	21.97	22.07	21.97	23.00
		50	50	21.99	22.09	22.01	23.00
		100	0	22.02	22.07	21.98	23.00
	16QAM	1	0	21.86	21.92	21.82	23.00
		1	50	21.82	21.90	21.83	23.00
		1	99	21.96	22.03	21.97	23.00
		50	0	20.93	20.99	20.93	22.00
		50	25	20.90	20.97	20.88	22.00
		50	50	20.99	21.04	20.97	22.00
		100	0	20.91	21.01	20.94	22.00
	64QAM	1	0	20.79	20.84	20.78	22.00
		1	50	20.74	20.81	20.71	22.00
		1	99	20.90	20.95	20.87	22.00
		50	0	19.86	19.91	19.84	21.00
		50	25	19.81	19.89	19.82	21.00
		50	50	19.87	19.94	19.84	21.00
		100	0	19.85	19.94	19.87	21.00



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	15.92	15.94	15.86	17.00
		1	13	15.87	15.90	15.83	17.00
		1	24	15.99	16.13	16.02	17.00
		12	0	15.92	16.00	15.92	17.00
		12	6	15.92	16.05	15.92	17.00
		12	13	15.94	16.01	15.97	17.00
		25	0	15.94	16.00	15.92	17.00
	16QAM	1	0	15.85	15.85	15.78	17.00
		1	13	15.81	15.86	15.78	17.00
		1	24	15.87	16.01	15.96	17.00
		12	0	16.00	16.09	16.00	17.00
		12	6	15.92	16.00	15.91	17.00
		12	13	15.95	16.03	15.93	17.00
		25	0	15.97	16.05	15.96	17.00
	64QAM	1	0	16.01	16.05	15.94	17.00
		1	13	15.79	15.84	15.78	17.00
		1	24	15.81	15.83	15.77	17.00
		12	0	15.91	15.97	15.93	17.00
		12	6	16.00	16.02	15.91	17.00
		12	13	15.81	15.87	15.75	17.00
		25	0	15.76	15.86	15.78	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	15.88	15.97	15.91	17.00
		1	25	15.87	15.88	15.84	17.00
		1	49	15.99	16.13	16.04	17.00
		25	0	15.89	16.05	15.93	17.00
		25	13	15.91	16.01	15.94	17.00
		25	25	15.91	16.03	15.98	17.00
		50	0	15.93	16.02	15.89	17.00
	16QAM	1	0	15.85	15.86	15.78	17.00
		1	25	15.82	15.81	15.81	17.00
		1	49	15.91	16.03	15.93	17.00
		25	0	16.00	16.09	16.01	17.00
		25	13	15.91	16.01	15.90	17.00
		25	25	15.95	16.04	15.93	17.00
		50	0	15.96	16.08	15.97	17.00
	64QAM	1	0	15.98	16.02	15.95	17.00
		1	25	15.82	15.84	15.77	17.00
		1	49	15.81	15.86	15.74	17.00
		25	0	15.92	15.96	15.91	17.00
		25	13	15.97	16.05	15.91	17.00



Bandwidth	Modulation	25	25	15.78	15.91	15.75	17.00	
		50	0	15.78	15.85	15.77	17.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				20825	21100	21375		
15MHz	QPSK	1	0	15.87	15.98	15.87	17.00	
		1	38	15.83	15.90	15.85	17.00	
		1	74	15.98	16.12	16.00	17.00	
		36	0	15.90	16.02	15.94	17.00	
		36	18	15.90	16.03	15.93	17.00	
		36	39	15.93	16.03	16.00	17.00	
		75	0	15.96	16.02	15.92	17.00	
	16QAM	1	0	15.83	15.82	15.76	17.00	
		1	38	15.82	15.85	15.79	17.00	
		1	74	15.88	15.98	15.94	17.00	
		36	0	16.01	16.09	16.00	17.00	
		36	18	15.88	16.01	15.87	17.00	
		36	39	15.94	16.00	15.90	17.00	
		75	0	15.97	16.04	15.96	17.00	
	64QAM	1	0	15.99	16.00	15.94	17.00	
		1	38	15.80	15.83	15.75	17.00	
		1	74	15.77	15.87	15.77	17.00	
		36	0	15.89	16.00	15.95	17.00	
		36	18	15.98	16.04	15.90	17.00	
		36	39	15.78	15.88	15.75	17.00	
		75	0	15.81	15.86	15.78	17.00	
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
					20850	21100	21350	
	20MHz	QPSK	1	0	15.97	16.03	15.96	17.00
1			50	15.93	15.98	15.93	17.00	
1			99	16.08	16.20	16.10	17.00	
50			0	15.99	16.10	16.01	17.00	
50			25	15.97	16.10	15.99	17.00	
50			50	15.99	16.10	16.06	17.00	
100			0	16.03	16.09	15.99	17.00	
16QAM		1	0	15.90	15.92	15.85	17.00	
		1	50	15.87	15.91	15.87	17.00	
		1	99	15.97	16.08	16.01	17.00	
		50	0	16.07	16.14	16.06	17.00	
		50	25	15.98	16.09	15.97	17.00	
		50	50	16.01	16.10	15.98	17.00	
		100	0	16.03	16.13	16.06	17.00	
64QAM		1	0	16.06	16.10	16.03	17.00	
		1	50	15.88	15.93	15.84	17.00	
		1	99	15.86	15.93	15.83	17.00	
		50	0	15.99	16.05	16.00	17.00	
		50	25	16.06	16.12	15.98	17.00	
		50	50	15.87	15.97	15.82	17.00	
		100	0	15.86	15.92	15.83	17.00	



LTE Band 66				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131979	132322	132665	
1.4MHz	QPSK	1	0	23.55	23.46	23.44	24.00
		1	2	23.00	23.08	22.98	24.00
		1	5	23.09	23.04	23.03	24.00
		3	0	22.07	22.09	22.16	23.00
		3	2	22.10	22.09	22.03	23.00
		3	3	22.08	22.13	22.07	23.00
		6	0	22.04	22.14	22.06	23.00
	16QAM	1	0	22.36	22.42	22.42	23.00
		1	2	21.95	21.98	21.93	23.00
		1	5	21.93	22.04	21.99	23.00
		3	0	21.00	21.02	20.96	22.00
		3	2	20.95	21.06	21.00	22.00
		3	3	21.00	21.07	21.09	22.00
		6	0	21.03	21.03	21.09	22.00
	64QAM	1	0	21.36	21.37	21.37	22.00
		1	2	20.86	20.80	20.76	22.00
		1	5	20.89	20.88	20.92	22.00
		3	0	20.00	19.92	19.92	21.00
		3	2	19.95	19.93	19.87	21.00
		3	3	19.97	20.06	19.99	21.00
		6	0	19.97	20.01	19.93	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
3MHz	QPSK	1	0	23.54	23.50	23.45	24.00
		1	7	23.01	23.09	22.96	24.00
		1	14	23.06	23.07	22.99	24.00
		8	0	22.08	22.09	22.16	23.00
		8	4	22.06	22.09	22.06	23.00
		8	7	22.07	22.17	22.04	23.00
		15	0	22.06	22.11	22.04	23.00
	16QAM	1	0	22.38	22.45	22.41	23.00
		1	7	21.92	22.00	21.95	23.00
		1	14	21.95	21.99	22.01	23.00
		8	0	20.97	21.04	20.94	22.00
		8	4	20.93	21.03	21.00	22.00
		8	7	21.05	21.08	21.04	22.00
		15	0	21.01	21.05	21.10	22.00
	64QAM	1	0	21.36	21.40	21.37	22.00
		1	7	20.85	20.84	20.81	22.00
		1	14	20.87	20.91	20.94	22.00
		8	0	20.00	19.92	19.91	21.00
		8	4	19.97	19.94	19.87	21.00



Bandwidth	Modulation	8	7	19.94	20.06	19.99	21.00	
		15	0	19.97	20.05	19.93	21.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				131997	132322	132647		
5MHz	QPSK	1	0	23.56	23.45	23.48	24.00	
		1	13	23.00	23.06	22.95	24.00	
		1	24	23.05	23.06	22.99	24.00	
		12	0	22.05	22.09	22.18	23.00	
		12	6	22.05	22.11	22.03	23.00	
		12	13	22.08	22.17	22.07	23.00	
		25	0	22.01	22.12	22.05	23.00	
	16QAM	1	0	22.35	22.45	22.41	23.00	
		1	13	21.95	21.99	21.96	23.00	
		1	24	21.90	22.01	21.98	23.00	
		12	0	21.01	21.05	20.95	22.00	
		12	6	20.92	21.06	21.01	22.00	
		12	13	21.01	21.10	21.07	22.00	
		25	0	21.01	21.02	21.09	22.00	
	64QAM	1	0	21.37	21.37	21.37	22.00	
		1	13	20.81	20.84	20.81	22.00	
		1	24	20.90	20.92	20.91	22.00	
		12	0	19.99	19.94	19.93	21.00	
		12	6	19.97	19.97	19.91	21.00	
		12	13	19.96	20.09	19.99	21.00	
		25	0	19.99	20.01	19.97	21.00	
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
					132022	132322	132622	
	10MHz	QPSK	1	0	23.51	23.46	23.48	24.00
1			25	23.05	23.05	22.93	24.00	
1			49	23.09	23.06	23.02	24.00	
25			0	22.08	22.09	22.13	23.00	
25			13	22.07	22.13	22.04	23.00	
25			25	22.10	22.15	22.03	23.00	
50			0	22.04	22.10	22.06	23.00	
16QAM		1	0	22.33	22.45	22.44	23.00	
		1	25	21.93	21.98	21.95	23.00	
		1	49	21.90	22.01	22.01	23.00	
		25	0	20.98	21.02	20.95	22.00	
		25	13	20.92	21.07	21.03	22.00	
		25	25	21.05	21.11	21.06	22.00	
		50	0	21.01	21.06	21.08	22.00	
64QAM		1	0	21.39	21.40	21.37	22.00	
		1	25	20.83	20.80	20.81	22.00	
		1	49	20.92	20.91	20.95	22.00	
		25	0	19.97	19.89	19.90	21.00	
		25	13	20.00	19.98	19.87	21.00	
		25	25	19.96	20.09	20.02	21.00	
		50	0	19.98	20.05	19.96	21.00	
Bandwidth		Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up

Bandwidth	Modulation	RB size	RB offset	132047	132322	132597	Tune up
				Channel 132072	Channel 132322	Channel 132572	
15MHz	QPSK	1	0	23.52	23.48	23.49	24.00
		1	38	23.05	23.06	22.95	24.00
		1	74	23.07	23.07	23.04	24.00
		36	0	22.07	22.11	22.17	23.00
		36	18	22.09	22.11	22.04	23.00
		36	39	22.10	22.16	22.03	23.00
		75	0	22.01	22.14	22.07	23.00
	16QAM	1	0	22.33	22.44	22.43	23.00
		1	38	21.94	21.95	21.91	23.00
		1	74	21.95	22.01	21.98	23.00
		36	0	21.02	21.04	20.94	22.00
		36	18	20.92	21.08	21.03	22.00
		36	39	21.04	21.11	21.04	22.00
		75	0	20.99	21.06	21.06	22.00
	64QAM	1	0	21.39	21.38	21.40	22.00
		1	38	20.81	20.79	20.76	22.00
		1	74	20.88	20.88	20.90	22.00
		36	0	19.97	19.93	19.91	21.00
		36	18	19.98	19.98	19.88	21.00
		36	39	19.99	20.07	20.01	21.00
		75	0	20.01	20.03	19.93	21.00
20MHz	QPSK	1	0	23.61	23.55	23.54	24.00
		1	50	23.10	23.14	23.03	24.00
		1	99	23.14	23.12	23.09	24.00
		50	0	22.15	22.16	22.23	23.00
		50	25	22.15	22.19	22.13	23.00
		50	50	22.16	22.22	22.13	23.00
		100	0	22.11	22.19	22.14	23.00
	16QAM	1	0	22.43	22.51	22.51	23.00
		1	50	22.00	22.05	22.01	23.00
		1	99	22.00	22.09	22.08	23.00
		50	0	21.07	21.11	21.03	22.00
		50	25	21.00	21.13	21.08	22.00
		50	50	21.10	21.17	21.14	22.00
		100	0	21.09	21.11	21.16	22.00
	64QAM	1	0	21.44	21.47	21.46	22.00
		1	50	20.91	20.89	20.86	22.00
		1	99	20.97	20.98	21.00	22.00
		50	0	20.07	19.99	20.00	21.00
		50	25	20.05	20.03	19.97	21.00
		50	50	20.04	20.14	20.09	21.00
		100	0	20.07	20.10	20.02	21.00

Table 9 : Conducted Power of EN\_DC

## 4 Conducted Power of NR Antenna

SA N2				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372000	376000	380000	
20MHz	DFT-s-OFDM QPSK	1	1	23.23	23.27	23.21	23.50
		1	53	23.12	23.15	23.19	23.50
		1	104	23.11	23.21	23.16	23.50
		50	0	22.15	22.09	22.10	22.50
		50	28	23.15	23.22	23.14	23.50
		50	56	22.09	22.08	22.08	22.50
	100	0	22.08	22.13	22.07	22.50	
	DFT-s-OFDM 16QAM	1	1	22.07	22.10	22.08	22.50
	DFT-s-OFDM 64QAM	1	1	20.33	20.39	20.31	21.00
DFT-s-OFDM 256QAM	1	1	18.63	18.74	18.61	19.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				166300	167300	168300	
15MHz	DFT-s-OFDM QPSK	1	1	23.05	23.06	23.01	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				165800	167300	168800	
10MHz	DFT-s-OFDM QPSK	1	1	23.12	23.08	23.06	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				165300	167300	169300	
5MHz	DFT-s-OFDM QPSK	1	1	23.11	23.05	23.05	23.50
NSA N2				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372000	376000	380000	
20MHz	DFT-s-OFDM QPSK	1	1	23.15	23.20	23.13	23.50
		1	53	23.05	23.10	23.06	23.50
		1	104	23.04	23.13	23.05	23.50
		50	0	22.01	22.10	22.01	22.50
		50	28	23.09	23.17	23.08	23.50
		50	56	22.06	22.01	22.07	22.50
	100	0	22.01	22.03	22.00	22.50	
	DFT-s-OFDM 16QAM	1	1	21.98	22.04	22.02	22.50
	DFT-s-OFDM 64QAM	1	1	20.28	20.34	20.23	21.00
DFT-s-OFDM 256QAM	1	1	18.53	18.64	18.51	19.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				166300	167300	168300	
15MHz	DFT-s-OFDM QPSK	1	1	23.06	23.07	23.04	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				165800	167300	168800	
10MHz	DFT-s-OFDM QPSK	1	1	23.10	23.11	23.07	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				165300	167300	169300	
5MHz	DFT-s-OFDM QPSK	1	1	23.09	23.15	23.05	23.50



SA / NSA N5				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				166800	167300	167800	
20MHz	DFT-s-OFDM QPSK	1	1	23.66	23.69	23.58	24.00
		1	53	23.45	23.55	23.62	24.00
		1	104	23.61	23.68	23.61	24.00
		50	0	22.49	22.50	22.53	23.00
		50	28	23.41	23.51	23.42	24.00
		50	56	22.41	22.49	22.51	23.00
	100	0	22.49	22.59	22.53	23.00	
	DFT-s-OFDM 16QAM	1	1	22.69	22.75	22.71	23.00
	DFT-s-OFDM 64QAM	1	1	20.56	20.64	20.52	21.50
DFT-s-OFDM 256QAM	1	1	19.07	19.19	19.14	19.50	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	23.61	23.51	23.57	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	23.55	23.51	23.55	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
5MHz	DFT-s-OFDM QPSK	1	1	23.45	23.44	23.49	24.00

SA N7				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				502000	507000	512000	
20MHz	DFT-s-OFDM QPSK	1	1	23.08	23.16	23.03	23.50
		1	53	23.05	23.10	23.01	23.50
		1	104	22.97	23.08	23.00	23.50
		50	0	21.93	22.01	22.00	22.50
		50	28	23.00	23.06	22.98	23.50
		50	56	21.99	21.98	21.98	22.50
	100	0	21.93	22.01	21.95	22.50	
	DFT-s-OFDM 16QAM	1	1	21.92	22.00	21.92	22.50
	DFT-s-OFDM 64QAM	1	1	20.16	20.22	20.12	21.00
DFT-s-OFDM 256QAM	1	1	18.47	18.60	18.51	19.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	23.06	23.12	23.09	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	23.07	23.10	23.07	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
5MHz	DFT-s-OFDM QPSK	1	1	23.09	23.09	23.08	23.50





NSA N7				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				502000	507000	512000	
20MHz	DFT-s-OFDM QPSK	1	1	23.33	23.36	23.31	23.50
		1	53	23.21	23.30	23.29	23.50
		1	104	23.19	23.28	23.25	23.50
		50	0	22.10	22.14	22.15	22.50
		50	28	23.25	23.27	23.21	23.50
		50	56	22.09	22.10	22.09	22.50
		100	0	22.17	22.22	22.13	22.50
	DFT-s-OFDM 16QAM	1	1	22.13	22.17	22.16	22.50
	DFT-s-OFDM 64QAM	1	1	20.43	20.46	20.39	21.00
	DFT-s-OFDM 256QAM	1	1	18.73	18.80	18.71	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				501500	507000	512500	
15MHz	DFT-s-OFDM QPSK	1	1	23.21	23.22	23.21	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				501000	507000	513000	
10MHz	DFT-s-OFDM QPSK	1	1	23.15	23.19	23.30	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				500500	507000	513500	
5MHz	DFT-s-OFDM QPSK	1	1	23.16	23.18	23.18	23.50

SA N7 Sensor on				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				502000	507000	512000	
20MHz	DFT-s-OFDM QPSK	1	1	17.02	17.06	16.97	17.50
		1	53	17.02	17.00	17.01	17.50
		1	104	16.91	16.99	16.90	17.50
		50	0	15.98	16.01	16.00	16.50
		50	28	16.93	16.99	16.91	17.50
		50	56	15.89	15.99	15.87	16.50
		100	0	15.84	15.96	15.89	16.50
	DFT-s-OFDM 16QAM	1	1	15.86	15.93	15.83	16.50
	DFT-s-OFDM 64QAM	1	1	14.07	14.16	14.05	15.00
	DFT-s-OFDM 256QAM	1	1	12.41	12.54	12.44	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				501500	507000	512500	
15MHz	DFT-s-OFDM QPSK	1	1	17.00	17.02	17.04	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				501000	507000	513000	
10MHz	DFT-s-OFDM QPSK	1	1	16.78	16.87	16.99	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				500500	507000	513500	
5MHz	DFT-s-OFDM QPSK	1	1	16.98	17.01	17.00	17.50



NSA N7 Sensor on				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				502000	507000	512000	
20MHz	DFT-s-OFDM QPSK	1	1	17.28	17.29	17.21	17.50
		1	53	17.12	17.20	17.21	17.50
		1	104	17.14	17.22	17.16	17.50
		50	0	16.10	15.99	16.11	16.50
		50	28	17.16	17.22	17.11	17.50
		50	56	16.12	16.16	16.11	16.50
		100	0	16.12	16.17	16.07	16.50
	DFT-s-OFDM 16QAM	1	1	16.06	16.12	16.10	16.50
	DFT-s-OFDM 64QAM	1	1	14.37	14.36	14.29	15.00
	DFT-s-OFDM 256QAM	1	1	12.67	12.71	12.61	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				501500	507000	512500	
15MHz	DFT-s-OFDM QPSK	1	1	17.12	17.20	17.11	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				501000	507000	513000	
10MHz	DFT-s-OFDM QPSK	1	1	17.03	17.04	17.10	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				500500	507000	513500	
5MHz	DFT-s-OFDM QPSK	1	1	17.00	17.03	17.04	17.50

SA N38				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				518000	519000	520000	
40MHz	DFT-s-OFDM QPSK	1	1	22.37	22.45	22.40	23.50
		1	53	22.24	22.35	22.31	23.50
		1	104	22.31	22.41	22.33	23.50
		50	0	21.35	21.33	21.35	22.50
		50	28	22.33	22.41	22.35	23.50
		50	56	21.30	21.33	21.34	22.50
		100	0	21.29	21.36	21.31	22.50
	DFT-s-OFDM 16QAM	1	1	21.44	21.54	21.48	22.50
	DFT-s-OFDM 64QAM	1	1	19.92	20.01	19.91	21.00
	DFT-s-OFDM 256QAM	1	1	18.27	18.35	18.25	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				516000	519000	522000	
20MHz	DFT-s-OFDM QPSK	1	1	22.23	22.36	22.37	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				515500	519000	522500	
15MHz	DFT-s-OFDM QPSK	1	1	22.21	22.40	22.39	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				515000	519000	523000	
10MHz	DFT-s-OFDM QPSK	1	1	22.33	22.31	22.34	23.50



Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				514500	519000	523500	
5MHz	DFT-s-OFDM QPSK	1	1	22.30	22.29	22.34	23.50

NSA N38				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				518000	519000	520000	
40MHz	DFT-s-OFDM QPSK	1	1	22.44	22.51	22.48	23.50
		1	53	22.35	22.41	22.45	23.50
		1	104	22.37	22.48	22.39	23.50
		50	0	21.33	21.35	21.30	22.50
		50	28	22.41	22.50	22.40	23.50
		50	56	21.35	21.33	21.35	22.50
		100	0	21.37	21.43	21.36	22.50
	DFT-s-OFDM 16QAM	1	1	21.53	21.63	21.53	22.50
	DFT-s-OFDM 64QAM	1	1	19.99	20.10	19.96	21.00
	DFT-s-OFDM 256QAM	1	1	18.36	18.40	18.30	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				516000	519000	522000	
20MHz	DFT-s-OFDM QPSK	1	1	22.33	22.37	22.35	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				515500	519000	522500	
15MHz	DFT-s-OFDM QPSK	1	1	22.31	22.41	22.40	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				515000	519000	523000	
10MHz	DFT-s-OFDM QPSK	1	1	22.36	22.41	22.34	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				514500	519000	523500	
5MHz	DFT-s-OFDM QPSK	1	1	22.35	22.36	22.41	23.50

SA N41 Class 2				Conducted Power(dBm)					
SCS 30kHz									
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				509202	513900	518598	523302	528000	
100MHz	DFT-s-OFDM QPSK	1	1	24.47	24.35	24.61	24.41	24.50	25.00
		1	137	24.60	24.36	24.31	24.50	24.09	25.00
		1	271	24.41	24.36	24.49	24.35	24.41	25.00
		135	0	23.05	23.11	23.12	23.19	23.21	24.00
		135	69	24.25	24.12	24.31	24.21	24.30	25.00
		135	138	23.15	23.15	23.11	23.19	23.15	24.00
		270	0	23.10	23.15	23.10	23.15	23.05	24.00
	DFT-s-OFDM 16QAM	1	1	23.68	23.15	23.73	23.21	23.66	24.00
	DFT-s-OFDM 64QAM	1	1	21.93	21.98	21.98	21.98	21.91	22.50
DFT-s-OFDM 256QAM	1	1	20.10	20.09	20.16	20.10	20.11	20.50	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	508200	513402	518598	523800	528996	25.00
80MHz	DFT-s-OFDM QPSK	1	1	507204	512904	518598	524298	529998	25.00
60MHz	DFT-s-OFDM QPSK	1	1	505200	511902	518598	525300	531996	25.00
SA N41 Class 3				Conducted Power(dBm)					
SCS 30kHz									
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				509202	513900	518598	523302	528000	
100MHz	DFT-s-OFDM QPSK	1	1	22.47	22.41	22.55	22.51	22.49	23.50
		1	137	22.35	22.39	22.41	22.41	22.39	23.50
		1	271	22.34	22.31	22.41	22.35	22.32	23.50
		135	0	21.12	21.19	21.11	21.18	21.05	22.50
		135	69	22.33	22.31	22.30	22.29	22.32	23.50
		135	138	21.16	21.17	21.19	21.06	21.06	22.50
		270	0	21.08	21.09	21.13	21.15	21.06	22.50
	DFT-s-OFDM 16QAM	1	1	21.58	21.33	21.65	21.35	21.60	22.50
	DFT-s-OFDM 64QAM	1	1	20.06	20.05	20.16	20.10	20.08	21.00
DFT-s-OFDM 256QAM	1	1	18.56	18.55	18.66	18.65	18.61	19.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	508200	513402	518598	523800	528996	23.50
80MHz	DFT-s-OFDM QPSK	1	1	507204	512904	518598	524298	529998	23.50
60MHz	DFT-s-OFDM QPSK	1	1	505200	511902	518598	525300	531996	23.50

NSA N41 Class 2				Conducted Power(dBm)					
SCS 30kHz									
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				509202	513900	518598	523302	528000	
100MHz	DFT-s-OFDM QPSK	1	1	24.63	24.59	24.66	24.55	24.61	25.00
		1	137	24.51	24.55	24.61	24.51	24.55	25.00
		1	271	24.51	24.53	24.56	24.51	24.56	25.00
		135	0	23.21	23.14	23.20	23.21	23.25	24.00
		135	69	24.51	24.36	24.55	24.51	24.54	25.00
		135	138	23.25	23.21	23.19	23.29	23.15	24.00
		270	0	23.16	23.19	23.16	23.21	23.15	24.00
	DFT-s-OFDM 16QAM	1	1	23.41	23.41	23.41	23.36	23.41	24.00
	DFT-s-OFDM 64QAM	1	1	21.97	22.01	22.01	21.98	21.98	22.50
DFT-s-OFDM 256QAM	1	1	19.81	19.87	19.85	19.79	19.83	20.50	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	508200	513402	518598	523800	528996	25.00
80MHz	DFT-s-OFDM QPSK	1	1	507204	512904	518598	524298	529998	25.00
60MHz	DFT-s-OFDM QPSK	1	1	505200	511902	518598	525300	531996	25.00
NSA N41 Class 3				Conducted Power(dBm)					
SCS 30kHz									
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				509202	513900	518598	523302	528000	
100MHz	DFT-s-OFDM QPSK	1	1	23.05	23.01	23.16	23.10	23.06	23.50
		1	137	23.05	23.06	23.01	23.10	23.07	23.50
		1	271	23.05	23.05	23.01	23.05	23.05	23.50
		135	0	22.15	22.11	22.01	22.14	22.01	22.50
		135	69	23.15	23.11	23.06	23.05	23.04	23.50
		135	138	22.10	22.05	22.09	22.12	22.06	22.50
		270	0	22.01	22.06	22.30	22.00	22.01	22.50
	DFT-s-OFDM 16QAM	1	1	22.12	22.10	22.05	22.11	22.01	22.50
	DFT-s-OFDM 64QAM	1	1	20.69	20.66	20.68	20.57	20.66	21.00
DFT-s-OFDM 256QAM	1	1	19.00	19.01	19.01	19.03	18.96	19.50	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	508200	513402	518598	523800	528996	23.50
80MHz	DFT-s-OFDM QPSK	1	1	507204	512904	518598	524298	529998	23.50
60MHz	DFT-s-OFDM QPSK	1	1	505200	511902	518598	525300	531996	23.50



SA N66				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				346000	349000	352000	
40MHz	DFT-s-OFDM QPSK	1	1	23.05	23.13	23.03	23.50
		1	53	23.01	23.10	23.05	23.50
		1	104	22.98	23.07	23.00	23.50
		50	0	21.85	21.89	22.00	22.50
		50	28	23.02	23.10	23.00	23.50
		50	56	21.88	21.98	21.88	22.50
	100	0	21.92	21.99	21.95	22.50	
	DFT-s-OFDM 16QAM	1	1	21.94	21.99	21.94	22.50
	DFT-s-OFDM 64QAM	1	1	20.20	20.23	20.17	21.00
DFT-s-OFDM 256QAM	1	1	18.47	18.60	18.49	19.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	23.01	23.04	23.08	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	23.06	23.06	23.07	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	23.01	23.07	23.06	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	23.06	23.06	23.04	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
5MHz	DFT-s-OFDM QPSK	1	1	23.06	23.07	23.09	23.50

NSA N66				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				346000	349000	352000	
40MHz	DFT-s-OFDM QPSK	1	1	23.18	23.19	23.11	23.50
		1	53	23.12	23.15	23.11	23.50
		1	104	23.01	23.15	23.09	23.50
		50	0	22.01	22.00	22.06	22.50
		50	28	23.10	23.13	23.06	23.50
		50	56	22.06	22.10	22.06	22.50
	100	0	21.99	22.07	22.01	22.50	
	DFT-s-OFDM 16QAM	1	1	21.97	22.03	22.00	22.50
	DFT-s-OFDM 64QAM	1	1	20.28	20.30	20.26	21.00
DFT-s-OFDM 256QAM	1	1	18.56	18.66	18.51	19.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	23.08	23.05	23.06	23.50

Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				344000	349000	354000	
20MHz	DFT-s-OFDM QPSK	1	1	23.01	23.01	23.11	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343500	349000	354500	
15MHz	DFT-s-OFDM QPSK	1	1	23.09	23.06	23.05	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343000	349000	355000	
10MHz	DFT-s-OFDM QPSK	1	1	23.04	23.04	23.05	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				342500	349000	360000	
5MHz	DFT-s-OFDM QPSK	1	1	23.08	23.10	23.06	23.50

Table 10 : Conducted Power of NR Antenna

## 5 Conducted Power of Uplink CA

Combination	Modulation	PCC						SCC					Full power/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)
CA_7C	QPSK	7	20	20850	1	99	2850	7	20	21048	0	0	22.55	24.00	15.50	16.00
CA_7C	QPSK	7	20	21100	1	99	3100	7	20	21298	0	0	22.35	24.00	15.35	16.00
CA_7C	QPSK	7	20	21100	1	0	3100	7	20	20902	0	0	22.40	24.00	15.30	16.00
CA_7C	QPSK	7	20	21350	1	0	3350	7	20	21152	0	0	22.65	24.00	15.40	16.00

Combination	Modulation	PCC						SCC					Full power	
		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)
CA_38C	QPSK	38	20	37850	1	99	37850	38	20	38048	0	0	22.56	24.00
CA_38C	QPSK	38	20	37901	1	99	37901	38	20	38099	0	0	22.39	24.00
CA_38C	QPSK	38	20	38099	1	0	38099	38	20	37901	0	0	22.25	24.00
CA_38C	QPSK	38	20	38150	1	0	38150	38	20	37952	0	0	22.35	24.00

Combination	Modulation	PCC						SCC					class 3 Full power	
		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)
CA_41C	QPSK	40	20	39750	1	99	39750	40	20	39948	0	0	22.81	24.00
CA_41C	QPSK	40	20	40185	1	99	40185	40	20	40383	0	0	22.68	24.00
CA_41C	QPSK	40	20	40620	1	99	40620	40	20	40818	0	0	22.59	24.00
CA_41C	QPSK	40	20	40620	1	0	40620	40	20	40422	0	0	22.51	24.00
CA_41C	QPSK	40	20	41055	1	0	41055	40	20	40857	0	0	22.49	24.00
CA_41C	QPSK	40	20	41490	1	0	41490	40	20	41292	0	0	22.65	24.00

Table 11 : Conducted Power of Uplink CA



## 6 Conducted Power of Wi-Fi and BT

Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)
802.11b	1	2412	1	17.50	17.30
	6	2437		17.50	17.01
	11	2462		17.50	17.12
802.11g	1	2412	6	14.00	13.12
	6	2437		17.00	15.01
	11	2462		14.00	13.15
802.11n HT20 SISO	1	2412	6.5	14.00	13.09
	6	2437		16.50	15.01
	11	2462		14.00	13.10
802.11n HT40 SISO	3	2422	13.5	14.50	13.00
	6	2437		14.50	12.99
	9	2452		14.50	12.98

5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)
802.11a	U-NII-1	36	5180	6	17.00	15.75
		40	5200		17.00	15.61
		44	5220		17.00	15.63
		48	5240		17.00	15.51
	U-NII-2A	52	5260		17.00	15.9
		56	5280		17.00	15.72
		60	5300		17.00	15.89
		64	5320		17.00	15.62
	U-NII-2C	100	5500		17.00	15.8
		104	5520		17.00	15.79
		108	5540		17.00	15.78
		112	5560		17.00	15.79
		116	5580		17.00	15.85
		120	5600		17.00	15.81
		124	5620		17.00	15.52
		128	5640		17.00	15.61
		132	5660		17.00	15.74
		136	5680		17.00	15.78
	U-NII-3	140	5700		17.00	15.82
		144	5720		17.00	15.72
149		5745	13.50	12.45		
153		5765	13.50	12.49		
157		5785	13.50	12.99		
		161	5805	13.50	12.86	
		165	5825	13.50	12.98	
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)
802.11n-HT20	U-NII-1	36	5180	MCS0	17.00	15.65
		40	5200		17.00	15.51
		44	5220		17.00	15.54
		48	5240		17.00	15.55
	U-NII-2A	52	5260		17.00	15.85



	U-NII-2C	56	5280	MCS0	17.00	15.65
		60	5300		17.00	15.83
		64	5320		17.00	15.53
		100	5500		17.00	15.72
		104	5520		17.00	15.72
		108	5540		17.00	15.72
	112	5560	17.00		15.69	
	116	5580	17.00		15.80	
	120	5600	17.00		15.51	
	124	5620	17.00		15.55	
	128	5640	17.00		15.52	
	132	5660	17.00		15.67	
	136	5680	17.00		15.70	
	140	5700	17.00		15.74	
	144	5720	17.00		15.62	
	U-NII-3	149	5745		13.50	12.35
	153	5765	13.50		12.42	
	157	5785	13.50		12.81	
161	5805	13.50	12.78			
165	5825	13.50	12.88			
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)
802.11n-HT40	U-NII-1	38	5190	MCS0	16.00	14.51
		46	5230		16.00	14.52
	U-NII-2A	54	5270		16.00	14.61
		62	5310		16.00	14.58
	U-NII-2C	102	5510		16.00	14.53
		110	5550		16.00	14.59
		118	5590		16.00	14.55
		126	5630		16.00	14.59
	U-NII-3	134	5670		16.00	14.61
		142	5710		16.00	14.75
		151	5755		13.50	12.33
		159	5795		13.50	12.40
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)
802.11ac 20M	U-NII-1	36	5180	MCS0	16.00	14.65
		40	5200		16.00	14.52
		44	5220		16.00	14.57
		48	5240		16.00	14.51
	U-NII-2A	52	5260		16.00	14.8
		56	5280		16.00	14.66
		60	5300		16.00	14.79
	U-NII-2C	64	5320		16.00	14.52
		100	5500		16.00	14.71
		104	5520		16.00	14.69
		108	5540		16.00	14.68
		112	5560		16.00	14.72
		116	5580		16.00	14.8
	120	5600	16.00		14.52	
	124	5620	16.00		14.52	

		128	5640		16.00	14.53
		132	5660		16.00	14.67
		136	5680		16.00	14.7
		140	5700		16.00	14.75
		144	5720		16.00	14.64
	U-NII-3	149	5745		13.50	12.38
		153	5765		13.50	12.4
		157	5785		13.50	12.83
		161	5805		13.50	12.8
		165	5825		13.50	12.9
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Tune up	Average Power (dBm)
802.11ac 40M	U-NII-1	38	5190	MCS0	15.50	14.03
		46	5230		15.50	14.03
	U-NII-2A	54	5270		15.50	14.12
		62	5310		15.50	14.13
	U-NII-2C	102	5510		15.50	14.06
		110	5550		15.50	14.1
		118	5590		15.50	14.07
		126	5630		15.50	14.14
		134	5670		15.50	14.14
	U-NII-3	142	5710		15.50	14.3
		151	5755		13.50	12.05
		159	5795		13.50	12.13
	5GHz	mode	Channel		Frequency(MHz)	Data Rate(Mbps)
802.11ac 80M	U-NII-1	42	5210	MCS0	15.50	14.12
	U-NII-2A	58	5290		15.50	14.09
	U-NII-2C	106	5530		15.50	14.11
		122	5610		15.50	14.08
	U-NII-3	138	5690		15.50	14.07
		155	5775		13.50	12.03

Table 12 : Conducted Power of Wi-Fi

BT			Tune up (dBm)	Average Conducted Power(dBm)
Modulation	Channel	Frequency(MHz)		
GFSK	0	2402	11	9.6
	39	2441	11	9.9
	78	2480	11	10.9
$\pi/4$ DQPSK	0	2402	9	6.9
	39	2441	9	6.9
	78	2480	9	8.9
8DPSK	0	2402	9	6.9
	39	2441	9	6.9
	78	2480	9	8.9
BLE			Tune up (dBm)	Average Conducted Power(dBm)
Modulation	Channel	Frequency(MHz)		
GFSK	0	2402	4	3.3
	19	2440	5	4.4
	39	2480	7	6.9

Table 13 : Conducted Power of BT