

APPENDIX H- CONDUCTED POWER MEASUREMENTS, LTE, COMMAND LINE

Table H.1 Conducted Power Measurements – LTE Band 2, 20MHz BW

LTE Conducted Power Measurement - Command Line									
LTE Band:		2	Channel Bandwidth:						20MHz
Lower Band Edge		1850(MHz)	Upper Band Edge:						1910(MHz)
Modulation	RB	RB	Low 18700 1860(MHz)		Mid 18900 1880(MHz)		High 19100 1900(MHz)		Chan Pos EARFCN Chan Freq
	Size	Offset	Conducted Power (dBm)*						RB Pos
			Meas.	Δ	Meas.	Δ	Meas.	Δ	
QPSK	1	0	23.48	-0.89	23.91	-0.46	24.28	-0.09	Lower
	1	50	23.28	-1.09	23.79	-0.58	23.56	-0.81	Mid
	1	99	23.40	-0.97	23.74	-0.63	23.83	-0.54	Upper
	50	0	23.94	-0.43	24.18	-0.19	24.36	-0.01	Lower
	50	25	23.81	-0.56	24.14	-0.23	24.37	0.00	Mid
	50	50	23.73	-0.64	24.16	-0.21	24.28	-0.09	Upper
	100	0	23.83	-0.54	24.06	-0.31	24.34	-0.03	Mid
16QAM	50	25	23.48	-0.89	23.73	-0.64	23.84	-0.53	Mid
64QAM	1	0	22.80	-1.57	22.87	-1.50	23.48	-0.89	Lower
	1	50	22.53	-1.84	22.89	-1.48	22.96	-1.41	Mid
	1	99	22.83	-1.54	22.55	-1.82	23.20	-1.17	Upper
	50	0	22.57	-1.80	22.68	-1.69	22.91	-1.46	Lower
	50	25	22.53	-1.84	22.63	-1.74	22.90	-1.47	Mid
	50	50	22.46	-1.91	22.66	-1.71	22.95	-1.42	Upper
	100	0	22.57	-1.80	22.62	-1.75	22.80	-1.57	Mid
Maximum Conducted Power Measured:									24.37

* Relative to the maximum measured conducted power for this BW, across all channels, RBs, RB Offsets and modulations.

Table H.2 Conducted Power Measurements – LTE Band 4, 20MHz BW

LTE Conducted Power Measurement - Command Line									
LTE Band:		4	Channel Bandwidth:						20MHz
Lower Band Edge		1710(MHz)	Upper Band Edge:						1755(MHz)
Modulation	RB	RB	Low 20050 1720(MHz)		Mid 20175 1732.5(MHz)		High 20300 1745(MHz)		Chan Pos EARFCN Chan Freq
	Size	Offset	Conducted Power (dBm)*						RB Pos
			Meas.	Δ	Meas.	Δ	Meas.	Δ	
QPSK	1	0	23.11	-0.24	23.06	-0.29	23.34	-0.01	Lower
	1	50	23.12	-0.23	22.60	-0.75	23.30	-0.05	Mid
	1	99	23.08	-0.27	22.83	-0.52	23.02	-0.33	Upper
	50	0	23.32	-0.03	23.25	-0.10	23.31	-0.04	Lower
	50	25	23.13	-0.22	23.28	-0.07	23.35	0.00	Mid
	50	50	23.14	-0.21	23.28	-0.07	23.28	-0.07	Upper
	100	0	23.19	-0.16	23.21	-0.14	23.21	-0.14	Mid
16QAM	50	25	22.80	-0.55	22.81	-0.54	22.92	-0.43	Mid
64QAM	1	0	22.65	-0.70	22.77	-0.58	23.04	-0.31	Lower
	1	50	22.32	-1.03	22.50	-0.85	22.74	-0.61	Mid
	1	99	22.48	-0.87	22.71	-0.64	22.82	-0.53	Upper
	50	0	21.90	-1.45	21.91	-1.44	23.03	-0.32	Lower
	50	25	21.63	-1.72	21.82	-1.53	22.04	-1.31	Mid
	50	50	21.61	-1.74	21.86	-1.49	21.98	-1.37	Upper
	100	0	21.75	-1.60	21.93	-1.42	22.06	-1.29	Mid
Maximum Conducted Power Measured:									23.35

* Relative to the maximum measured conducted power for this BW, across all channels, RBs, RB Offsets and modulations.

Table H.3 Conducted Power Measurements – LTE Band 5, 10MHz BW

LTE Conducted Power Measurement - Command Line									
LTE Band:		5	Channel Bandwidth:						10MHz
Lower Band Edge		824(MHz)	Upper Band Edge:						849(MHz)
Modulation	RB	RB	Low 20450 829(MHz)		Mid 20525 836.5(MHz)		High 20600 844(MHz)		Chan Pos EARFCN Chan Freq
	Size	Offset	Conducted Power (dBm)*						RB Pos
			Meas.	Δ	Meas.	Δ	Meas.	Δ	
QPSK	1	0	23.92	-0.69	23.85	-0.76	24.02	-0.59	Lower
	1	25	23.75	-0.86	23.90	-0.71	24.07	-0.54	Mid
	1	49	23.65	-0.96	23.85	-0.76	23.79	-0.82	Upper
	25	0	24.41	-0.20	24.52	-0.09	24.56	-0.05	Lower
	25	12	24.22	-0.39	24.42	-0.19	24.12	-0.49	Mid
	25	25	24.32	-0.29	24.47	-0.14	24.47	-0.14	Upper
	50	0	24.58	-0.03	24.52	-0.09	24.61	0.00	Mid
16QAM	25	12	23.70	-0.91	23.78	-0.83	23.71	-0.90	Mid
64QAM	1	0	23.52	-1.09	23.47	-1.14	23.72	-0.89	Lower
	1	25	23.70	-0.91	23.78	-0.83	23.76	-0.85	Mid
	1	49	23.48	-1.13	23.64	-0.97	23.27	-1.34	Upper
	25	0	22.84	-1.77	23.07	-1.54	23.02	-1.59	Lower
	25	12	22.81	-1.80	22.91	-1.70	23.02	-1.59	Mid
	25	25	22.85	-1.76	22.95	-1.66	22.82	-1.79	Upper
	50	0	22.94	-1.67	22.92	-1.69	23.01	-1.60	Mid
Maximum Conducted Power Measured:									24.61

* Relative to the maximum measured conducted power for this BW, across all channels, RBs, RB Offsets and modulations.

Table H.4 Conducted Power Measurements – LTE Band 12, 10 MHz BW

LTE Conducted Power Measurement - Command Line									
LTE Band:		12	Channel Bandwidth:						10MHz
Lower Band Edge		699(MHz)	Upper Band Edge:						716(MHz)
Modulation	RB	RB	Low 23060 704(MHz)		Mid 23095 707.5(MHz)		High 23130 711(MHz)		Chan Pos EARFCN Chan Freq
	Size	Offset	Conducted Power (dBm)*						RB Pos
			Meas.	Δ	Meas.	Δ	Meas.	Δ	
QPSK	1	0	23.11	-0.14	23.07	-0.18	22.94	-0.31	Lower
	1	25	22.83	-0.42	23.03	-0.22	22.90	-0.35	Mid
	1	49	22.89	-0.36	22.97	-0.28	22.78	-0.47	Upper
	25	0	23.12	-0.13	23.12	-0.13	23.06	-0.19	Lower
	25	12	23.02	-0.23	23.25	0.00	22.98	-0.27	Mid
	25	25	22.97	-0.28	23.21	-0.04	22.98	-0.27	Upper
	50	0	23.14	-0.11	23.14	-0.11	23.18	-0.07	Mid
16QAM	25	12	22.64	-0.61	22.81	-0.44	22.64	-0.61	Mid
64QAM	1	0	22.72	-0.53	22.43	-0.82	22.25	-1.00	Lower
	1	25	22.67	-0.58	22.47	-0.78	22.32	-0.93	Mid
	1	49	22.32	-0.93	22.48	-0.77	22.19	-1.06	Upper
	25	0	21.71	-1.54	21.58	-1.67	21.93	-1.32	Lower
	25	12	21.54	-1.71	21.04	-2.21	22.01	-1.24	Mid
	25	25	21.54	-1.71	21.67	-1.58	21.89	-1.36	Upper
	50	0	21.71	-1.54	21.68	-1.57	21.97	-1.28	Mid
Maximum Conducted Power Measured:									23.25

* Relative to the maximum measured conducted power for this BW, across all channels, RBs, RB Offsets and modulations.

Table H.5 Conducted Power Measurements – LTE Band 13, 10MHz BW

LTE Conducted Power Measurement - Command Line									
LTE Band:		13	Channel Bandwidth:						10MHz
Lower Band Edge		777(MHz)	Upper Band Edge:						787(MHz)
Modulation	RB	RB	Low 23230 782(MHz)		Mid 23230 782(MHz)		High 23230 782(MHz)		Chan Pos EARFCN Chan Freq
	Size	Offset	Conducted Power (dBm)*						RB Pos
			Meas.	Δ	Meas.	Δ	Meas.	Δ	
QPSK	1	0			23.90	-0.14			Lower
	1	25			23.93	-0.11			Mid
	1	49			23.73	-0.31			Upper
	25	0			24.02	-0.02			Lower
	25	12			23.86	-0.18			Mid
	25	25			23.92	-0.12			Upper
	50	0			24.04	0.00			Mid
16QAM	25	12			23.50	-0.54			Mid
64QAM	1	0			23.06	-0.98			Lower
	1	25			23.25	-0.79			Mid
	1	49			23.21	-0.83			Upper
	25	0			22.78	-1.26			Lower
	25	12			22.57	-1.47			Mid
	25	25			22.83	-1.21			Upper
	50	0			22.80	-1.24			Mid
Maximum Conducted Power Measured:									24.04

* Relative to the maximum measured conducted power for this BW, across all channels, RBs, RB Offsets and modulations.

Table H.6 Conducted Power Measurements – LTE Band 14, 10MHz BW

LTE Conducted Power Measurement - Command Line									
LTE Band:		14	Channel Bandwidth:						10MHz
Lower Band Edge		788(MHz)	Upper Band Edge:						798(MHz)
Modulation	RB	RB	Low 23330 793(MHz)		Mid 23330 793(MHz)		High 23330 793(MHz)		Chan Pos EARFCN Chan Freq
	Size	Offset	Conducted Power (dBm)*						RB Pos
			Meas.	Δ	Meas.	Δ	Meas.	Δ	
QPSK	1	0			24.01	-0.11			Lower
	1	25			23.93	-0.19			Mid
	1	49			24.00	-0.12			Upper
	25	0			24.01	-0.11			Lower
	25	12			24.00	-0.12			Mid
	25	25			24.12	0.00			Upper
	50	0			24.07	-0.05			Mid
16QAM	25	12			23.73	-0.39			Mid
64QAM	1	0			23.27	-0.85			Lower
	1	25			23.35	-0.77			Mid
	1	49			23.42	-0.70			Upper
	25	0			22.90	-1.22			Lower
	25	12			22.91	-1.21			Mid
	25	25			22.98	-1.14			Upper
	50	0			22.93	-1.19			Mid
Maximum Conducted Power Measured:									24.12

* Relative to the maximum measured conducted power for this BW, across all channels, RBs, RB Offsets and modulations.

Table H.7 Conducted Power Measurements – LTE Band 66, 20MHz BW

LTE Conducted Power Measurement - Command Line									
LTE Band:		66	Channel Bandwidth:						20MHz
Lower Band Edge		1710(MHz)	Upper Band Edge:						1780(MHz)
Modulation	RB	RB	Low 132072 1720(MHz)		Mid 132322 1745(MHz)		High 132572 1770(MHz)		Chan Pos EARFCN Chan Freq
	Size	Offset	Conducted Power (dBm)*						RB Pos
			Meas.	Δ	Meas.	Δ	Meas.	Δ	
QPSK	1	0	22.95	-0.49	22.66	-0.78	23.09	-0.35	Lower
	1	50	22.86	-0.58	22.31	-1.13	23.05	-0.39	Mid
	1	99	22.45	-0.99	22.38	-1.06	22.81	-0.63	Upper
	50	0	23.44	0.00	22.80	-0.64	22.79	-0.65	Lower
	50	25	23.32	-0.12	22.81	-0.63	22.61	-0.83	Mid
	50	50	23.02	-0.42	22.57	-0.87	22.58	-0.86	Upper
	100	0	22.76	-0.68	22.80	-0.64	22.68	-0.76	Mid
16QAM	50	25	22.65	-0.79	22.27	-1.17	22.24	-1.20	Mid
64QAM	1	0	22.45	-0.99	22.15	-1.29	22.22	-1.22	Lower
	1	50	22.07	-1.37	21.94	-1.50	22.07	-1.37	Mid
	1	99	22.08	-1.36	22.14	-1.30	21.95	-1.49	Upper
	50	0	21.29	-2.15	21.30	-2.14	21.31	-2.13	Lower
	50	25	21.29	-2.15	21.26	-2.18	21.16	-2.28	Mid
	50	50	21.22	-2.22	21.10	-2.34	21.11	-2.33	Upper
	100	0	21.36	-2.08	21.34	-2.10	21.22	-2.22	Mid
Maximum Conducted Power Measured:									23.44

* Relative to the maximum measured conducted power for this BW, across all channels, RBs, RB Offsets and modulations.