

Appendix G: Secondary Mode Conducted Powers

G.1. LTE-M Conducted Powers

LTE-M Band 12		Frequency [MHz]			707.5	MPR [dB]
Antenna:	Main	Channel Number			23095	
Bandwidth [MHz]:	10	Conducted Powers [dBm]				
Power Level	Modulation	RB Size	RB Offset	NB Postion		
Max	16QAM	1	0	1	22.99	0
		1	2	3	22.93	0
		1	5	6	22.94	0
		3	0	1	22.70	0
		3	2	3	22.67	0
		3	3	6	22.63	0
		6	0	1	21.67	2
		6	0	3	21.61	2
		6	0	6	21.56	2

LTE-M Band 12		Frequency [MHz]			701.5	707.5	713.5	MPR [dB]
Antenna:	Main	Channel Number			23035	23095	23155	
Bandwidth [MHz]:	5	Conducted Powers [dBm]						
Power Level	Modulation	RB Size	RB Offset	NB Postion				
Max	QPSK	1	0	Low	22.52	22.76	22.44	0
		1	2	1	22.58	22.71	22.51	0
		1	5	2	22.55	22.75	22.46	0
		3	0	Low	21.97	21.99	21.98	1
		3	2	1	22.01	22.05	21.92	1
		3	3	2	22.03	22.07	21.82	1
		6	0	Low	21.99	21.94	21.83	1
		6	0	1	22.01	21.96	21.85	1
		6	0	2	21.94	21.91	21.83	1
	16QAM	1	0	Low	22.97	22.73	22.74	0
		1	2	1	22.93	22.81	22.76	0
		1	5	2	22.99	22.58	22.64	0
		3	0	Low	22.08	22.17	22.13	1
		3	2	1	22.06	22.14	22.08	1
		3	3	2	22.05	22.13	22.10	1
		6	0	Low	20.97	20.95	20.91	2
		6	0	1	21.11	20.98	20.92	2
		6	0	2	20.98	20.91	20.94	2

LTE-M Band 12		Frequency [MHz]			700.5	707.5	714.5	MPR [dB]
Antenna:	Main							
Bandwidth [MHz]: 3		Channel Number			23025	23095	23165	
Power Level	Modulation	RB Size	RB Offset	NB Postion	Conducted Powers [dBm]			
Max	QPSK	1	0	Low	22.70	22.72	22.68	0
		1	0	High	22.73	22.69	22.70	0
		1	5	High	22.74	22.76	22.74	0
		3	0	Low	22.09	22.09	22.03	1
		3	0	High	22.14	22.11	22.05	1
		3	3	High	22.16	22.14	22.14	1
		6	0	Low	21.48	21.26	21.36	2
		6	0	High	21.68	21.39	21.40	2
	16QAM	1	0	Low	22.18	21.17	22.31	1
		1	0	High	22.17	22.14	22.36	1
		1	5	High	22.14	22.06	22.31	1
		3	0	Low	21.69	21.62	21.46	2
		3	0	High	21.54	21.74	21.54	2
		3	3	High	21.64	21.61	21.58	2
		6	0	Low	20.96	20.90	20.94	2
		6	0	High	20.89	20.82	20.85	2

LTE-M Band 12		Frequency [MHz]			699.7	707.5	715.3	MPR [dB]
Antenna:	Main							
Bandwidth [MHz]:	1.4	Channel Number			23017	23095	23173	
Power Level	Modulation	RB Size	RB Offset	NB Postion	Conducted Powers [dBm]			
Max	QPSK	1	0	N/A	22.77	22.63	22.65	0
		1	2	N/A	22.79	22.64	22.67	0
		1	5	N/A	22.75	22.56	22.64	0
		3	0	N/A	22.02	21.98	21.90	1
		3	2	N/A	22.08	21.94	21.93	1
		3	3	N/A	22.11	21.98	22.02	1
		6	0	N/A	21.38	21.37	21.79	2
	16QAM	1	0	N/A	22.44	22.22	22.09	1
		1	2	N/A	22.38	22.26	22.15	1
		1	5	N/A	22.42	22.19	21.95	1
		3	0	N/A	21.52	21.53	21.57	2
		3	2	N/A	21.63	21.56	21.54	2
		3	3	N/A	21.54	21.57	21.44	2
		6	0	N/A	20.89	20.95	20.99	2

LTE-M Band 4		Frequency [MHz]			1732.5	MPR [dB]
Antenna:	Main					
Bandwidth [MHz]:	20	Channel Number			20175	
Power Level	Modulation	RB Size	RB Offset	NB Postion	Conducted Powers [dBm]	
Max	16QAM	1	0	1	21.75	0
		1	0	7	21.74	0
		1	5	14	21.7	0
		3	0	1	21.91	0
		3	0	7	21.91	0
		3	3	14	21.91	0
		6	0	1	21.87	0
		6	0	7	21.90	0
		6	0	14	21.94	0

LTE-M Band 4		Frequency [MHz]			1717.5	1732.5	1747.5	MPR [dB]
Antenna:	Main							
Bandwidth [MHz]:	15	Channel Number			20025	20175	20325	
Power Level	Modulation	RB Size	RB Offset	NB Postion	Conducted Powers [dBm]			
Max	QPSK	1	0	1	22.49	22.41	22.27	0
		1	0	5	22.46	22.37	22.25	0
		1	5	10	22.47	22.45	22.26	0
		3	0	1	22.40	22.34	22.29	0
		3	0	5	22.30	22.29	22.18	0
		3	3	10	22.42	22.38	22.26	0
		6	0	1	22.41	22.25	22.17	0
		6	0	5	22.38	22.15	22.16	0
		6	0	10	22.37	22.22	22.21	0
	16QAM	1	0	1	21.66	21.73	22.17	0
		1	0	5	21.64	21.7	22.2	0
		1	5	10	21.62	21.69	22.27	0
		3	0	1	21.71	21.89	21.74	0
		3	0	5	21.72	21.89	21.74	0
		3	3	10	21.75	21.89	21.81	0
		6	0	1	21.64	21.66	21.75	0
		6	0	5	21.75	21.70	21.73	0
		6	0	10	21.63	21.69	21.64	0

LTE-M Band 4		Frequency [MHz]			1715	1732.5	1750	MPR [dB]
Antenna:	Main							
Bandwidth [MHz]:	10	Channel Number			20000	20175	20350	
Power Level	Modulation	RB Size	RB Offset	NB Postion	Conducted Powers [dBm]			
Max	QPSK	1	0	1	22.22	22.32	22.00	0
		1	2	3	22.30	22.23	22.27	0
		1	5	6	22.34	22.27	22.28	0
		3	0	1	22.13	22.29	22.22	0
		3	2	3	22.28	22.15	22.24	0
		3	3	6	22.19	22.11	22.20	0
		6	0	1	21.78	21.94	21.91	1
		6	0	3	21.74	21.81	21.83	1
		6	0	6	21.88	21.95	21.93	1
	16QAM	1	0	1	21.53	21.75	22.1	0
		1	2	3	21.59	21.87	22.09	0
		1	5	6	21.59	21.73	22.07	0
		3	0	1	21.67	21.9	21.97	0
		3	2	3	21.68	21.9	21.91	0
		3	3	6	21.68	21.92	21.93	0
		6	0	1	21.31	21.34	21.22	2
		6	0	3	21.13	21.23	21.18	2
		6	0	6	21.10	21.18	21.07	2

LTE-M Band 4		Frequency [MHz]			1712.5	1732.5	1752.5	MPR [dB]
Antenna:	Main							
Bandwidth [MHz]:	5	Channel Number			19975	20175	20375	
Power Level	Modulation	RB Size	RB Offset	NB Postion	Conducted Powers [dBm]			
Max	QPSK	1	0	Low	22.46	22.45	22.40	0
		1	2	1	22.42	22.24	22.48	0
		1	5	2	22.31	22.28	22.29	0
		3	0	Low	21.94	21.88	21.98	1
		3	2	1	21.97	21.99	21.99	1
		3	3	2	21.90	21.92	21.89	1
		6	0	Low	21.97	21.87	21.83	1
		6	0	1	21.89	21.91	21.97	1
		6	0	2	21.81	21.87	21.90	1
	16QAM	1	0	Low	21.87	22.06	21.94	0
		1	2	1	21.91	22.1	21.99	0
		1	5	2	21.86	22.13	21.87	0
		3	0	Low	20.92	21.16	21.31	1
		3	2	1	20.96	21.16	21.3	1
		3	3	2	20.92	21.19	21.28	1
		6	0	Low	21.68	21.62	21.58	2
		6	0	1	21.45	21.41	21.45	2
		6	0	2	21.49	21.54	21.60	2

LTE-M Band 4		Frequency [MHz]			1711.5	1732.5	1753.5	MPR [dB]
Antenna:	Main							
Bandwidth [MHz]: 3		Channel Number			19965	20175	20385	
Power Level	Modulation	RB Size	RB Offset	NB Postion	Conducted Powers [dBm]			
Max	QPSK	1	0	Low	22.59	22.66	22.43	0
		1	0	High	22.17	22.60	22.66	0
		1	5	High	22.25	22.55	22.16	0
		3	0	Low	21.85	21.84	20.95	1
		3	0	High	21.77	21.74	21.73	1
		3	3	High	21.40	21.44	21.56	1
		6	0	Low	21.99	21.45	21.04	2
		6	0	High	21.89	21.34	21.18	2
	16QAM	1	0	Low	21.38	21.32	21.31	1
		1	0	High	21.4	21.24	21.26	1
		1	5	High	21.27	21.23	21.3	1
		3	0	Low	20.57	20.96	21.02	2
		3	0	High	20.78	20.99	21.15	2
		3	3	High	20.81	20.95	21.13	2
		6	0	Low	20.92	20.96	20.99	2
		6	0	High	20.87	20.95	20.92	2

LTE-M Band 4		Frequency [MHz]			1710.7	1732.5	1754.3	MPR [dB]
Antenna:	Main							
Bandwidth [MHz]:	1.4	Channel Number			19957	20175	20393	
Power Level	Modulation	RB Size	RB Offset	NB Postion	Conducted Powers [dBm]			
Max	QPSK	1	0	N/A	22.49	22.34	22.67	0
		1	2	N/A	22.62	22.45	22.60	0
		1	5	N/A	22.66	22.59	22.50	0
		3	0	N/A	21.74	21.93	21.45	1
		3	2	N/A	21.86	21.91	21.68	1
		3	3	N/A	21.80	21.53	21.75	1
		6	0	N/A	20.64	20.57	20.79	2
	16QAM	1	0	N/A	21.2	21.46	21.38	1
		1	2	N/A	21.23	21.5	21.4	1
		1	5	N/A	21.15	21.44	21.33	1
		3	0	N/A	20.46	20.73	20.98	2
		3	2	N/A	20.44	20.68	20.86	2
		3	3	N/A	20.39	20.65	20.91	2
		6	0	N/A	20.42	20.66	20.57	2

LTE-M Band 2		Frequency [MHz]			1860	1880	1900	MPR [dB]
Antenna:	Main							
Bandwidth [MHz]:	20	Channel Number			18700	18900	19100	
Power Level	Modulation	RB Size	RB Offset	NB Postion	Conducted Powers [dBm]			
Max	16QAM	1	0	1	22.76	22.64	22.57	0
		1	0	7	22.75	22.64	22.52	0
		1	5	14	22.70	22.52	22.53	0
		3	0	1	22.84	22.83	22.72	0
		3	0	7	22.83	22.83	22.72	0
		3	3	14	22.86	22.83	22.71	0
		6	0	1	22.13	22.06	22.08	0
		6	0	7	22.10	22.12	22.14	0
		6	0	14	22.06	22.04	22.09	0

LTE-M Band 2		Frequency [MHz]			1857.5	1880	1902.5	MPR [dB]
Antenna:	Main							
Bandwidth [MHz]:	15	Channel Number			18675	18900	19125	
Power Level	Modulation	RB Size	RB Offset	NB Postion	Conducted Powers [dBm]			
Max	QPSK	1	0	1	22.49	22.40	22.60	0
		1	0	5	22.48	22.45	22.74	0
		1	5	10	22.53	22.17	22.61	0
		3	0	1	22.47	22.48	22.74	0
		3	0	5	22.32	22.67	22.58	0
		3	3	10	22.25	22.77	22.50	0
		6	0	1	22.58	22.76	22.27	0
		6	0	5	22.24	22.69	22.49	0
		6	0	10	22.69	22.66	22.47	0
	16QAM	1	0	1	22.73	22.74	22.69	0
		1	0	5	22.77	22.65	22.62	0
		1	5	10	22.67	22.70	22.65	0
		3	0	1	22.83	22.62	22.57	0
		3	0	5	22.86	22.60	22.59	0
		3	3	10	22.84	22.63	22.61	0
		6	0	1	21.83	21.90	21.85	0
		6	0	5	21.94	21.92	21.76	0
		6	0	10	21.70	21.88	21.80	0

LTE-M Band 2		Frequency [MHz]			1855	1880	1905	MPR [dB]
Antenna:	Main							
Bandwidth [MHz]:	10	Channel Number			18650	18900	19150	
Power Level	Modulation	RB Size	RB Offset	NB Postion	Conducted Powers [dBm]			
Max	QPSK	1	0	1	22.46	22.82	22.74	0
		1	2	3	22.58	22.79	22.62	0
		1	5	6	22.60	22.50	22.55	0
		3	0	1	22.65	22.45	22.36	0
		3	2	3	22.64	22.67	22.35	0
		3	3	6	22.36	22.77	22.49	0
		6	0	1	22.38	22.22	22.33	1
		6	0	3	22.28	22.35	22.29	1
		6	0	6	22.44	22.56	22.48	1
	16QAM	1	0	1	22.98	22.66	22.56	0
		1	2	3	23.02	22.73	22.64	0
		1	5	6	22.98	22.58	22.61	0
		3	0	1	22.82	22.83	22.70	0
		3	2	3	22.82	22.81	22.77	0
		3	3	6	22.83	22.83	22.71	0
		6	0	1	21.45	21.63	21.44	2
		6	0	3	21.50	21.56	21.48	2
		6	0	6	21.61	21.66	21.59	2

LTE-M Band 2		Frequency [MHz]			1852.5	1880	1907.5	MPR [dB]
Antenna:	Main							
Bandwidth [MHz]:	5	Channel Number			18625	18900	19175	
Power Level	Modulation	RB Size	RB Offset	NB Postion	Conducted Powers [dBm]			
Max	QPSK	1	0	Low	22.36	22.36	22.25	0
		1	2	1	22.35	22.77	22.57	0
		1	5	2	22.30	22.75	22.50	0
		3	0	Low	22.16	22.34	22.35	1
		3	2	1	22.05	22.40	22.16	1
		3	3	2	22.23	22.35	22.53	1
		6	0	Low	21.50	21.90	21.79	1
		6	0	1	21.87	22.10	21.97	1
		6	0	2	21.83	21.99	21.64	1
	16QAM	1	0	Low	22.76	22.68	22.84	0
		1	2	1	22.75	22.73	22.99	0
		1	5	2	22.70	22.60	22.91	0
		3	0	Low	22.23	22.16	22.01	1
		3	2	1	22.18	22.09	21.95	1
		3	3	2	22.15	22.11	21.96	1
		6	0	Low	21.55	21.64	21.60	2
		6	0	1	21.59	21.68	21.57	2
		6	0	2	21.67	21.52	21.63	2

LTE-M Band 2		Frequency [MHz]			1851.5	1880	1908.5	MPR [dB]
Antenna:	Main							
Bandwidth [MHz]: 3		Channel Number			18615	18900	19185	
Power Level	Modulation	RB Size	RB Offset	NB Postion	Conducted Powers [dBm]			
Max	QPSK	1	0	Low	22.49	22.53	22.40	0
		1	0	High	22.28	22.38	22.13	0
		1	5	High	22.40	22.49	22.40	0
		3	0	Low	21.84	22.33	21.86	1
		3	0	High	21.98	22.29	21.91	1
		3	3	High	22.99	22.32	21.87	1
		6	0	Low	20.99	20.90	20.96	2
		6	0	High	20.95	20.87	20.80	2
	16QAM	1	0	Low	22.59	22.26	21.98	1
		1	0	High	22.56	22.22	22.01	1
		1	5	High	22.47	22.17	22.08	1
		3	0	Low	22.13	21.89	21.55	2
		3	0	High	21.98	21.81	21.83	2
		3	3	High	22.03	21.99	21.87	2
		6	0	Low	20.73	20.89	20.79	2
		6	0	High	20.87	20.97	20.96	2

LTE-M Band 2		Frequency [MHz]			1850.7	1880	1909.3	MPR [dB]
Antenna:	Main							
Bandwidth [MHz]:	1.4	Channel Number			18607	18900	19193	
Power Level	Modulation	RB Size	RB Offset	NB Postion	Conducted Powers [dBm]			
Max	QPSK	1	0	N/A	22.13	22.23	22.20	0
		1	2	N/A	22.32	22.42	22.43	0
		1	5	N/A	22.31	22.35	22.30	0
		3	0	N/A	21.34	21.83	21.36	1
		3	2	N/A	21.48	21.79	21.41	1
		3	3	N/A	22.49	21.82	21.37	1
		6	0	N/A	20.49	20.40	20.46	2
	16QAM	1	0	N/A	22.48	22.18	22.15	1
		1	2	N/A	22.55	22.22	22.19	1
		1	5	N/A	22.51	22.14	22.08	1
		3	0	N/A	21.88	21.73	21.79	2
		3	2	N/A	21.79	21.59	21.76	2
		3	3	N/A	21.83	21.66	21.78	2
		6	0	N/A	20.34	20.11	20.43	2

G.2. NTN Conducted Powers

NB NTN Band 23		Frequency [MHz]		2000	2010	2019.9	MPR [dB]
Antenna:	Main						
Bandwidth [kHz]:	200	Channel Number		25500	25600	25699	
Power Level	Modulation	RB Size	RB Offset	Conducted Powers [dBm]			
Max	BPSK	1	0	22.44	22.31	22.32	0
		1	5	22.39	22.40	22.37	0
		1	11	22.47	22.32	22.25	0

NB NTN Band 255		Frequency [MHz]		1626.6	1643.5	1660.4	MPR [dB]
Antenna:	Main						
Bandwidth [kHz]:	200	Channel Number		261505	261674	261843	
Power Level	Modulation	RB Size	RB Offset	Conducted Powers [dBm]			
Max	BPSK	1	0	22.42	22.44	22.40	0
		1	5	22.51	22.35	22.47	0
		1	11	22.44	22.46	22.39	0