



Test Report No.: W7L-P21080006RF18

CHANNEL BANDWIDTH: 10MHz							
CHANNEL	Frequency (MHz)	99% OCCUPIED Bandwidth (MHz)			26 dB bandwidth (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
23060	704	9.03	9.01	9.03	9.84	9.82	9.78
23095	707.5	8.96	8.90	8.89	9.61	9.52	9.52
23130	711	8.86	8.86	8.87	9.44	9.40	9.52



LTE BAND 13

CHANNEL BANDWIDTH: 5MHz							
CHANNEL	Frequency (MHz)	99% OCCUPIED Bandwidth (MHz)			26 dB bandwidth (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
23205	779.5	4.47	4.46	4.46	4.87	4.91	4.89
23230	782	4.49	4.48	4.48	4.94	4.88	4.87
23255	784.5	4.47	4.48	4.47	4.92	4.94	4.98





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		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
-	-	-	-	-	-	-	-
23230	782	8.93	8.93	8.94	9.83	9.71	9.63
-	-	-	-	-	-	-	-



LTE BAND 14

CHANNEL BANDWIDTH: 5MHz							
CHANNEL	Frequency (MHz)	99% OCCUPIED Bandwidth (MHz)			26 dB bandwidth (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
23305	790.5	4.48	4.48	4.47	4.91	4.91	4.90
23330	793	4.47	4.47	4.47	4.89	4.87	4.87
23355	795.5	4.46	4.47	4.46	4.85	4.92	4.88





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CHANNEL	Frequency (MHz)	99% OCCUPIED Bandwidth (MHz)			26 dB bandwidth (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
-	-	-	-	-	-	-	-
23330	793	8.94	8.93	8.92	9.735	9.614	9.53
-	-	-	-	-	-	-	-





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LTE BAND 17

CHANNEL BANDWIDTH: 5MHz							
CHANNEL	Frequency (MHz)	99% OCCUPIED Bandwidth (MHz)			26 dB bandwidth (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
23755	706.5	4.47	4.48	4.47	4.86	4.89	4.87
23790	710	4.47	4.45	4.42	4.89	4.79	4.81
23825	713.5	4.48	4.48	4.48	4.93	4.96	4.91





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CHANNEL	Frequency (MHz)	99% OCCUPIED Bandwidth (MHz)			26 dB bandwidth (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
23780	709	8.84	8.84	8.85	9.423	9.474	9.44
23790	710	8.86	8.83	8.85	9.563	9.476	9.47
23800	711	8.87	8.85	8.87	9.474	9.535	9.39



LTE BAND 30

CHANNEL BANDWIDTH: 5MHz							
CHANNEL	Frequency (MHz)	99% OCCUPIED Bandwidth (MHz)			26 dB bandwidth (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
27685	2307.5	4.46	4.47	4.46	4.82	4.93	4.94
27710	2310	4.49	4.47	4.46	4.95	4.87	4.91
27735	2312.5	4.48	4.47	4.48	4.96	4.97	5.01





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CHANNEL BANDWIDTH: 10MHz							
CHANNEL	Frequency (MHz)	99% OCCUPIED Bandwidth (MHz)			26 dB bandwidth (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
-	-	-	-	-	-	-	-
27710	2310	8.96	8.94	8.95	9.82	9.69	9.74
-	-	-	-	-	-	-	-





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LTE BAND 66

CHANNEL BANDWIDTH: 1.4MHz							
CHANNEL	Frequency (MHz)	99% OCCUPIED Bandwidth (MHz)			26 dB bandwidth (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
131979	1710.7	1.10	1.10	1.69	1.66	1.53	1.50
132322	1745	1.11	1.11	1.11	1.88	1.62	1.66
132665	1779.3	1.11	1.10	1.10	1.80	1.74	1.60





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CHANNEL BANDWIDTH: 3MHz							
CHANNEL	Frequency (MHz)	99% OCCUPIED Bandwidth (MHz)			26 dB bandwidth (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
131987	1711.5	2.69	2.69	2.69	3.18	2.99	2.95
132322	1745	2.69	2.69	2.68	3.09	3.05	3.08
132657	1778.5	2.70	2.69	2.69	3.30	2.98	3.02





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CHANNEL BANDWIDTH: 5MHz							
CHANNEL	Frequency (MHz)	99% OCCUPIED Bandwidth (MHz)			26 dB bandwidth (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
131997	1712.5	4.49	4.49	4.48	5.09	5.00	4.98
132322	1745	4.50	4.48	4.47	5.04	4.92	4.89
132647	1777.5	4.48	4.48	4.49	5.53	5.03	5.17



CHANNEL BANDWIDTH: 10MHz							
CHANNEL	Frequency (MHz)	99% OCCUPIED Bandwidth (MHz)			26 dB bandwidth (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
132022	1715	8.96	8.97	8.95	9.85	9.71	9.76
132322	1745	8.97	8.96	8.97	9.82	9.66	9.71
132622	1775	8.98	8.96	8.96	10.66	10.68	9.74





CHANNEL BANDWIDTH: 15MHz							
CHANNEL	Frequency (MHz)	99% OCCUPIED Bandwidth (MHz)			26 dB bandwidth (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
132047	1717.5	13.41	13.40	13.43	14.43	14.52	14.38
132322	1745	13.46	13.44	13.42	14.58	14.56	14.60
132597	1772.5	13.47	13.46	13.44	14.60	14.67	14.42





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CHANNEL BANDWIDTH: 20MHz							
CHANNEL	Frequency (MHz)	99% OCCUPIED Bandwidth (MHz)			26 dB bandwidth (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
132072	1720	17.82	17.85	17.83	18.96	18.92	19.20
132322	1745	17.91	17.93	17.92	19.31	19.32	19.12
132572	1770	17.98	17.95	17.92	19.38	19.36	19.26

