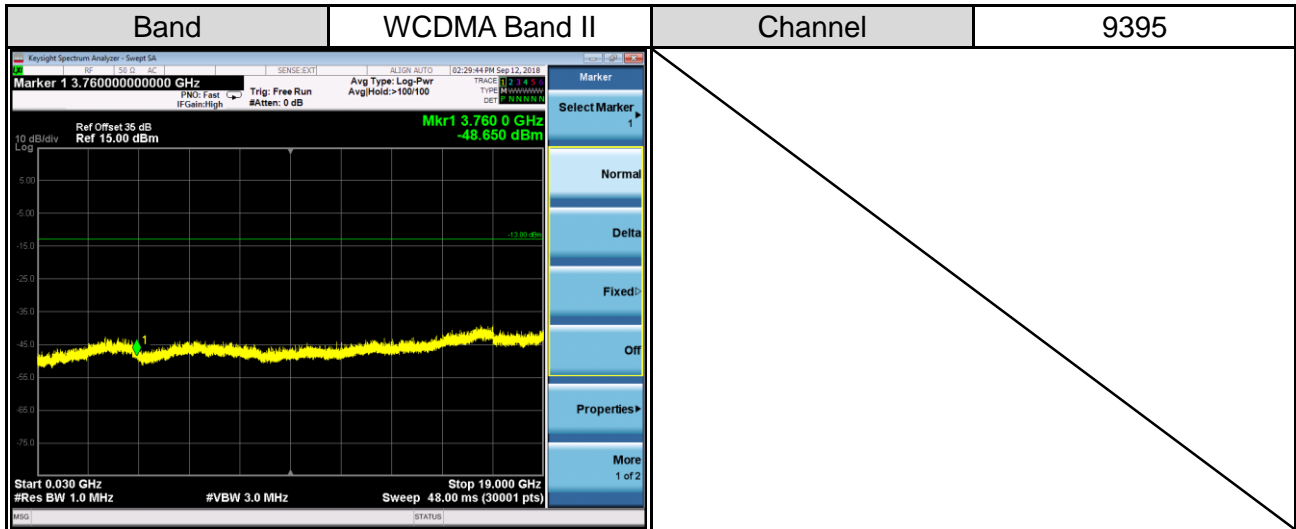
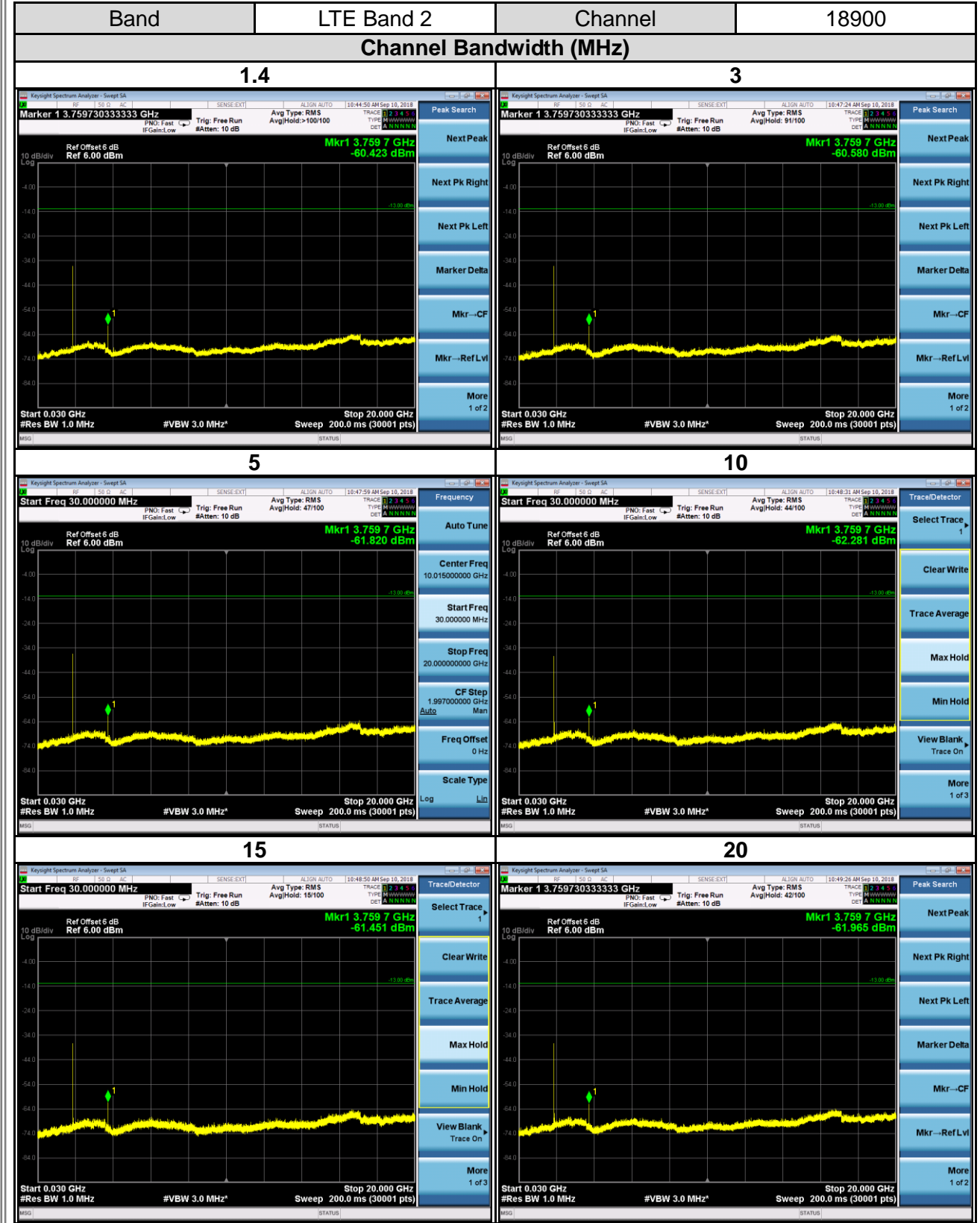
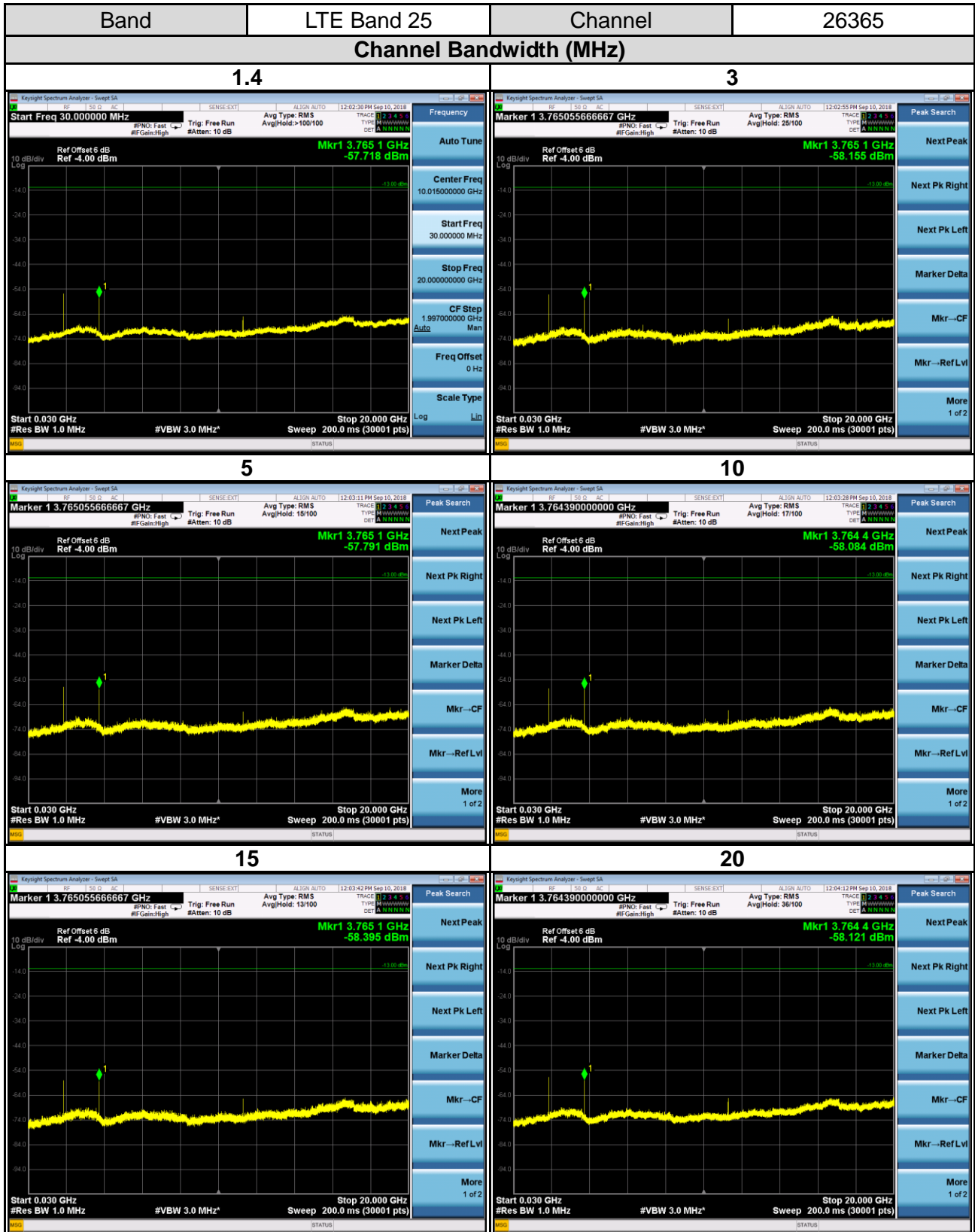


## **APPENDIX E SPURIOUS EMISSIONS AT ANTENNA TERMINALS**

**CONTINUE ON NEXT PAGE**



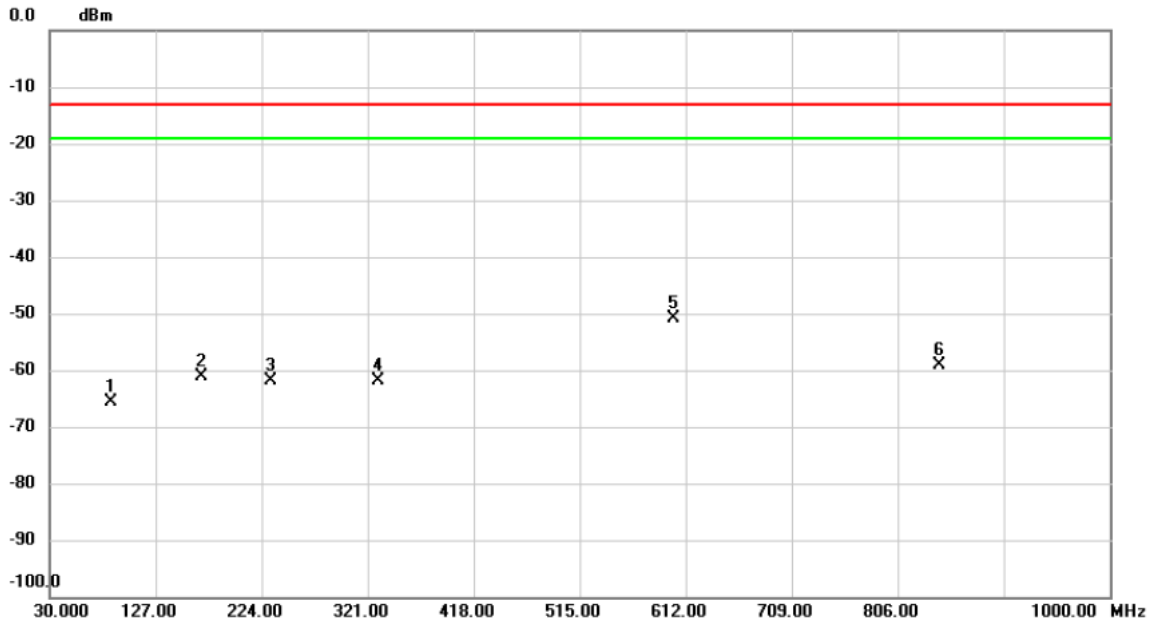




## **APPENDIX F    FIELD STRENGTH OF SPURIOUS RADIATION**

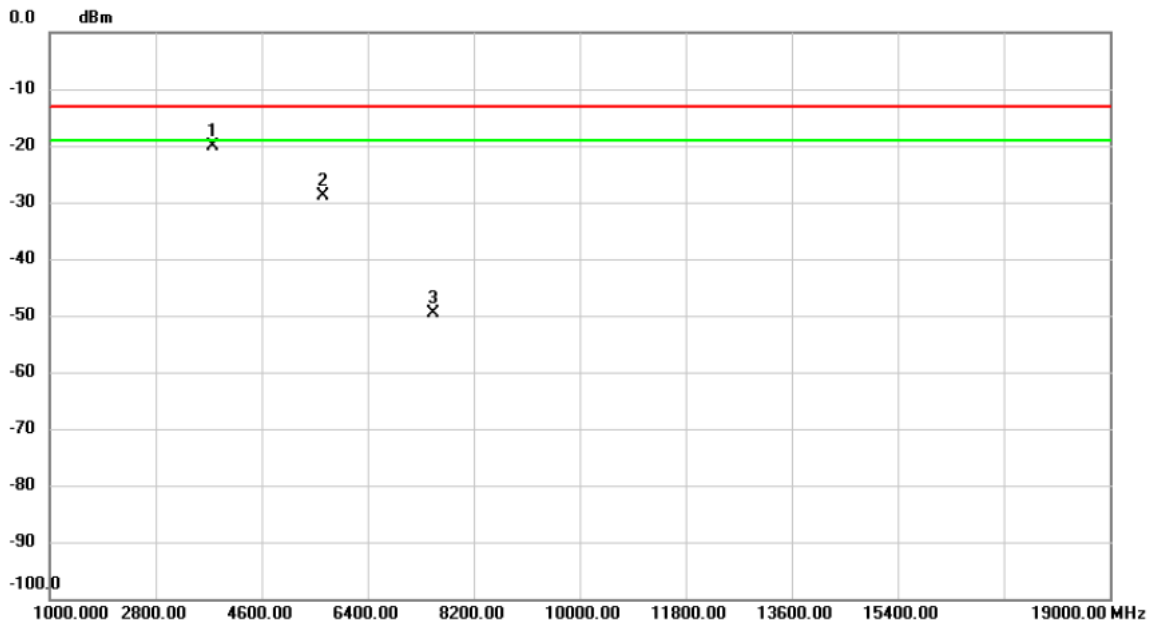
**CONTINUE ON NEXT PAGE**

Test Mode	WCMDA Band II Link	Polarization	Vertical
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No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1		86.2600	-63.16	-2.48	-65.64	-13.00	-52.64	peak	
2		168.7100	-68.42	7.26	-61.16	-13.00	-48.16	peak	
3		232.7300	-63.46	1.58	-61.88	-13.00	-48.88	peak	
4		330.7000	-63.15	1.27	-61.88	-13.00	-48.88	peak	
5	*	600.3600	-58.74	7.92	-50.82	-13.00	-37.82	peak	
6		843.8300	-65.47	6.29	-59.18	-13.00	-46.18	peak	

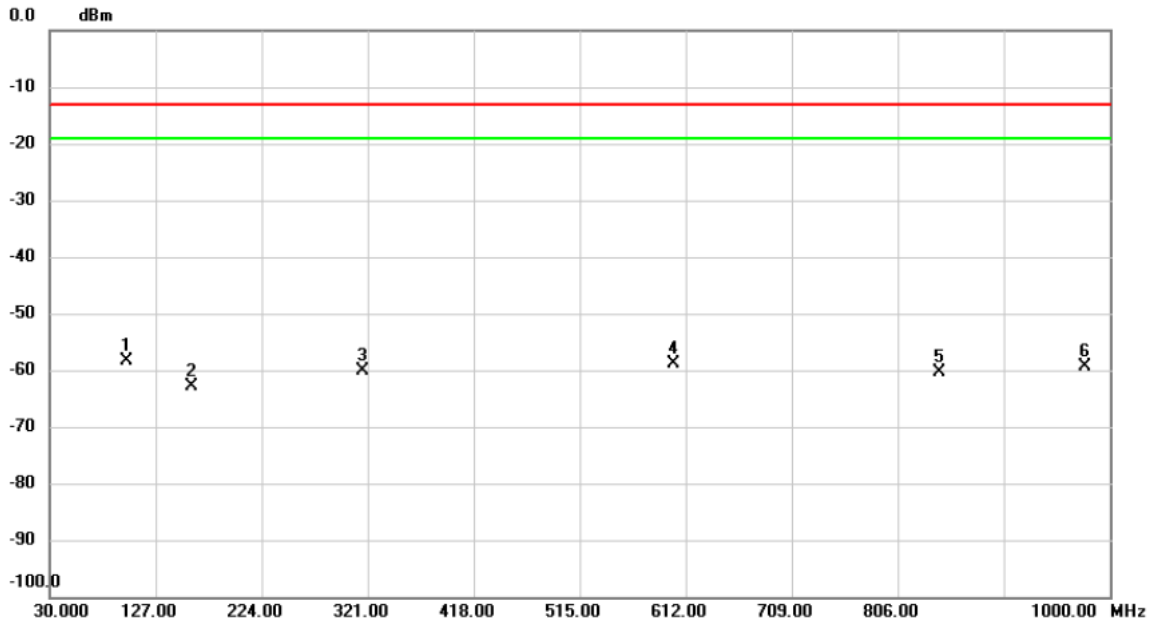
Test Mode	WCMDA Band II Link	Polarization	Vertical
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No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	3760.000	-20.23	0.00	-20.23	-13.00	-7.23	peak	
2		5640.000	-28.97	0.00	-28.97	-13.00	-15.97	peak	
3		7520.000	-49.51	0.00	-49.51	-13.00	-36.51	peak	

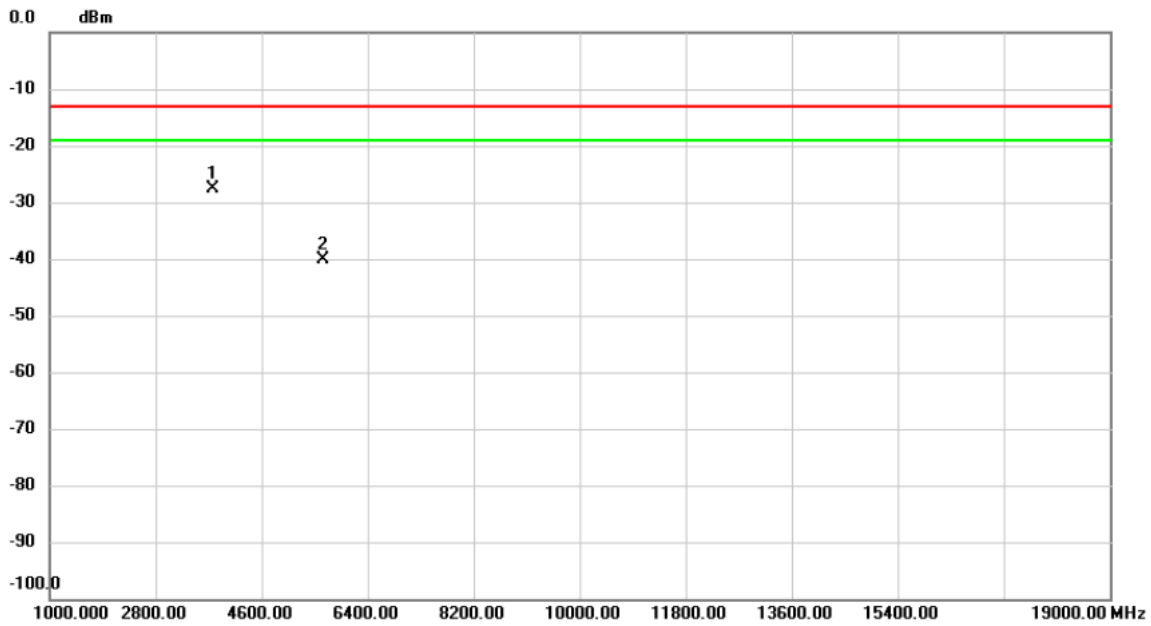


Test Mode	WCMDA Band II Link	Polarization	Horizontal
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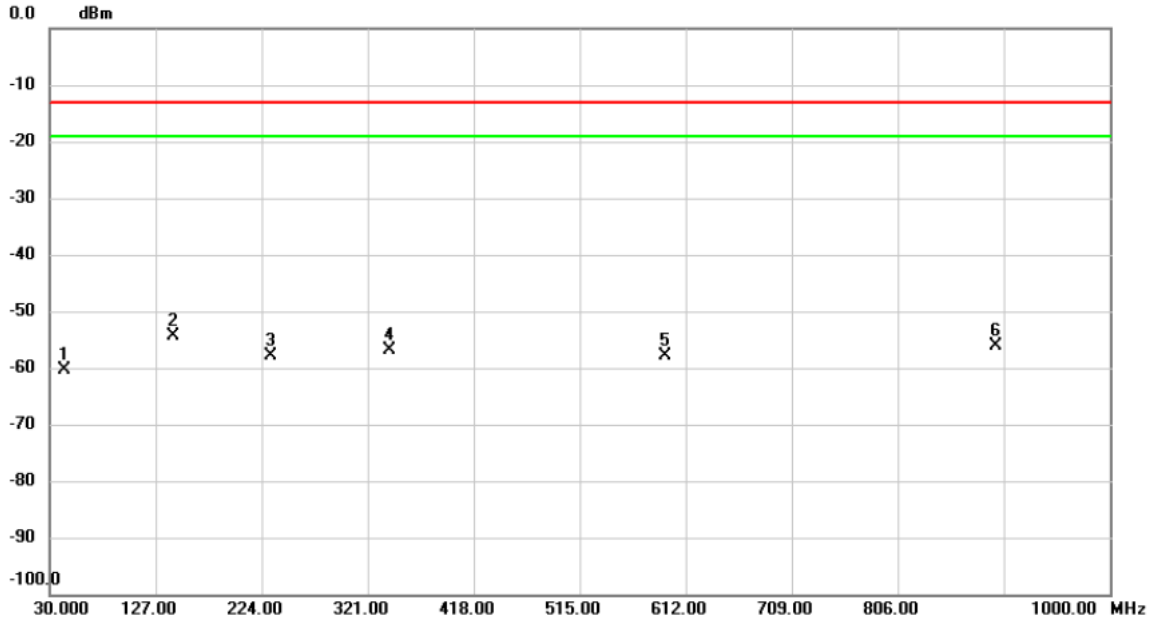
No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	99.8400	-57.31	-0.99	-58.30	-13.00	-45.30	peak	
2		159.9800	-65.42	2.64	-62.78	-13.00	-49.78	peak	
3		316.1500	-59.43	-0.73	-60.16	-13.00	-47.16	peak	
4		600.3600	-63.26	4.51	-58.75	-13.00	-45.75	peak	
5		843.8300	-66.13	5.82	-60.31	-13.00	-47.31	peak	
6		976.7200	-69.76	10.31	-59.45	-13.00	-46.45	peak	

Test Mode	WCMDA Band II Link	Polarization	Horizontal
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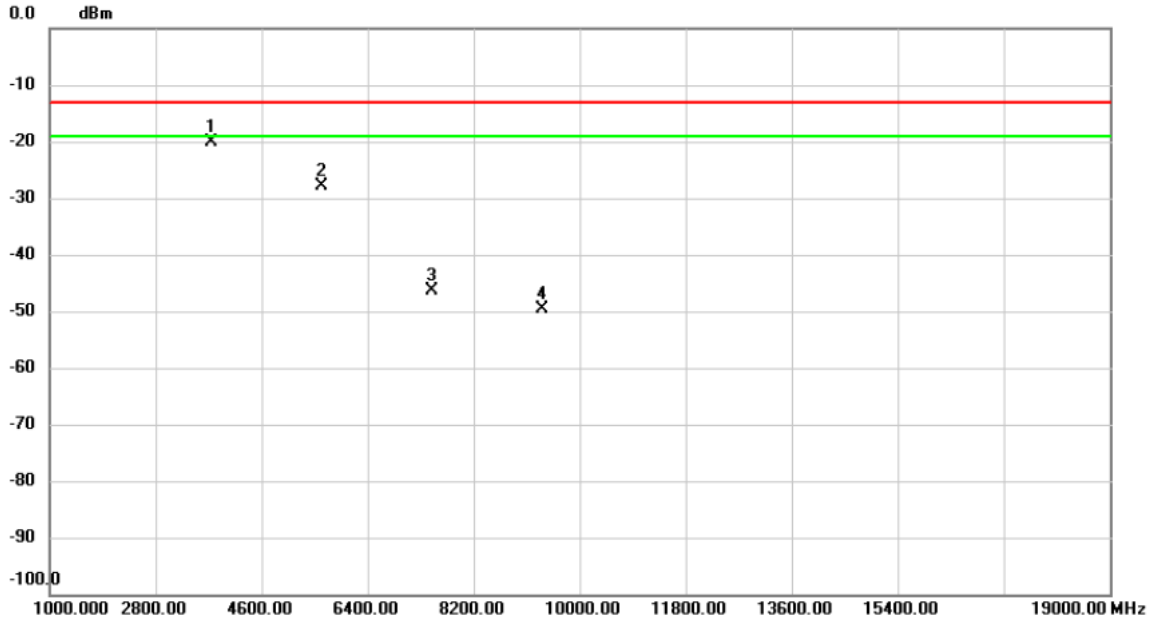
No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	3760.000	-27.73	0.00	-27.73	-13.00	-14.73	peak	
2		5640.000	-40.14	0.00	-40.14	-13.00	-27.14	peak	

Test Mode	LTE_Band 2_Channel Bandwidth 20 MHz_QPSK_1RB0	Polarization	Vertical
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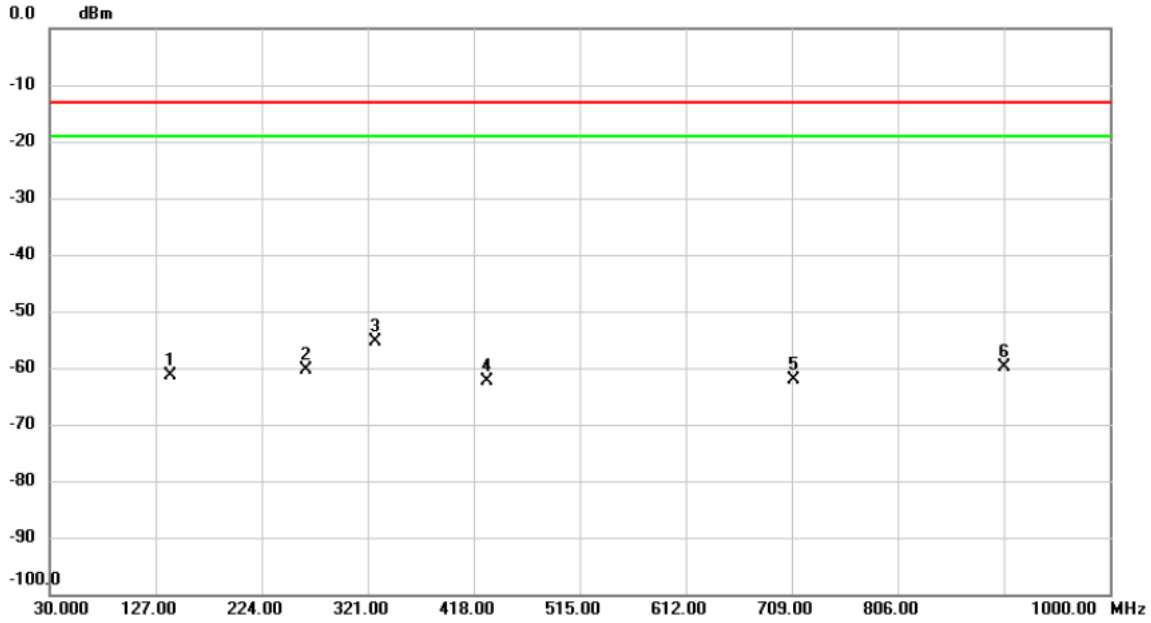
No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Over dB	Detector	Comment
1		43.5800	-51.83	-8.48	-60.31	-13.00	-47.31	peak	
2	*	142.5200	-57.93	3.46	-54.47	-13.00	-41.47	peak	
3		231.7600	-59.51	1.61	-57.90	-13.00	-44.90	peak	
4		340.4000	-58.04	1.29	-56.75	-13.00	-43.75	peak	
5		593.5700	-65.64	7.87	-57.77	-13.00	-44.77	peak	
6		896.2100	-63.76	7.73	-56.03	-13.00	-43.03	peak	

Test Mode	LTE_Band 2_Channel Bandwidth 20 MHz_QPSK_1RB0	Polarization	Vertical
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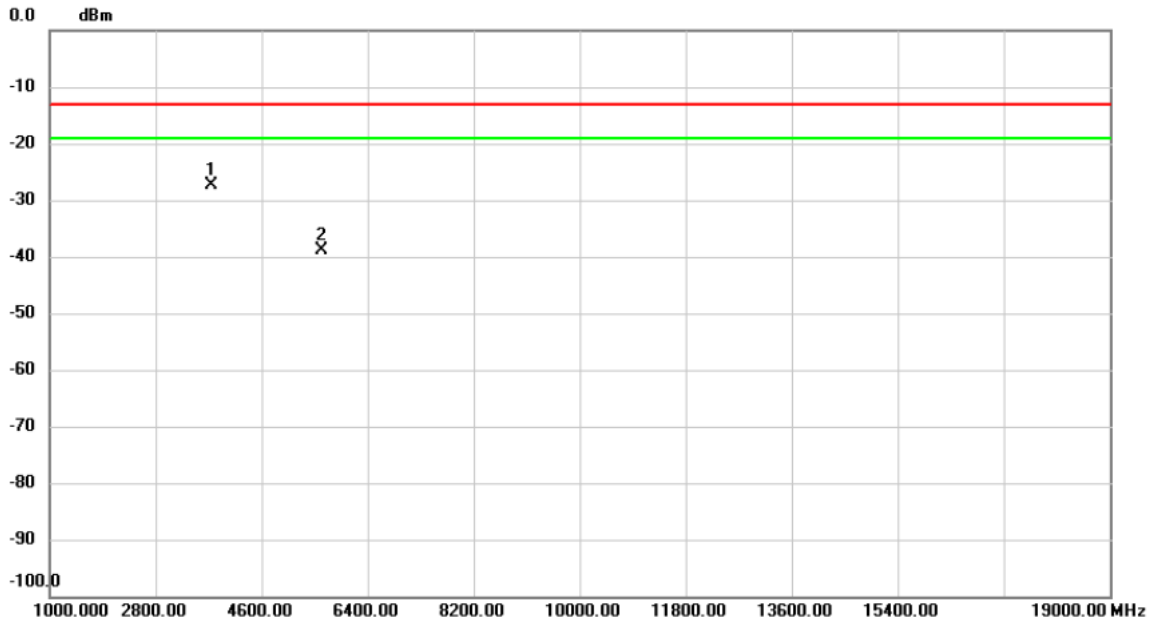
No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	3742.400	-20.11	0.00	-20.11	-13.00	-7.11	peak	
2		5613.600	-27.90	0.00	-27.90	-13.00	-14.90	peak	
3		7484.800	-46.44	0.00	-46.44	-13.00	-33.44	peak	
4		9356.000	-49.63	0.00	-49.63	-13.00	-36.63	peak	

Test Mode	LTE_Band 2_Channel Bandwidth 20 MHz_QPSK_1RB0	Polarization	Horizontal
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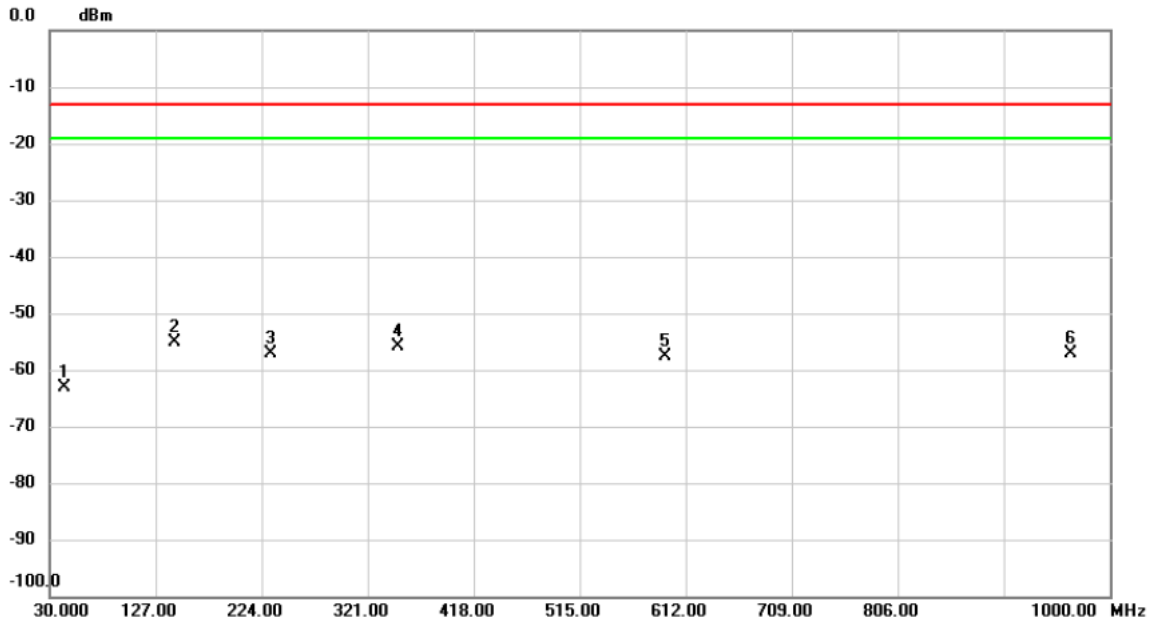
No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1		140.5800	-62.37	1.03	-61.34	-13.00	-48.34	peak	
2		264.7400	-57.19	-3.12	-60.31	-13.00	-47.31	peak	
3	*	327.7900	-55.59	0.11	-55.48	-13.00	-42.48	peak	
4		429.6400	-65.46	2.99	-62.47	-13.00	-49.47	peak	
5		710.9400	-69.01	6.96	-62.05	-13.00	-49.05	peak	
6		903.9700	-67.18	7.24	-59.94	-13.00	-46.94	peak	

Test Mode	LTE_Band 2_Channel Bandwidth 20 MHz_QPSK_1RB0	Polarization	Horizontal
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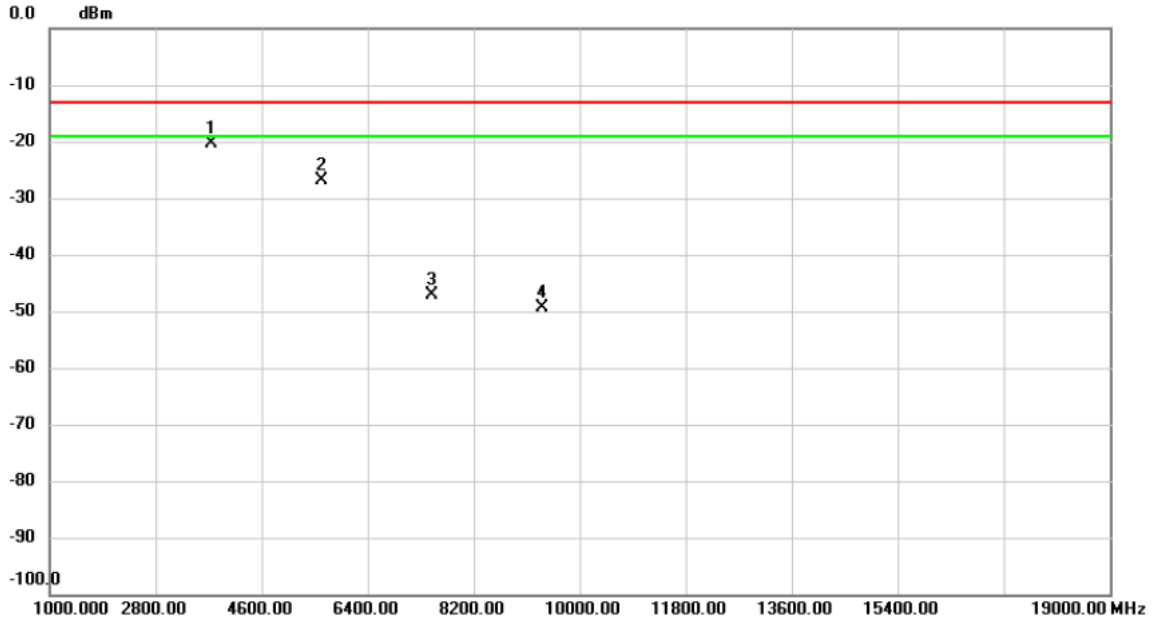
No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	3742.400	-27.31	0.00	-27.31	-13.00	-14.31	peak	
2		5613.600	-38.76	0.00	-38.76	-13.00	-25.76	peak	

Test Mode	LTE_Band 25_Channel Bandwidth 20 MHz_QPSK_1RB0	Polarization	Vertical
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No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Over dB	Detector	Comment
1		43.5800	-54.65	-8.48	-63.13	-13.00	-50.13	peak	
2	*	144.4600	-58.67	3.61	-55.06	-13.00	-42.06	peak	
3		232.7300	-58.81	1.58	-57.23	-13.00	-44.23	peak	
4		348.1600	-57.06	1.31	-55.75	-13.00	-42.75	peak	
5		593.5700	-65.54	7.87	-57.67	-13.00	-44.67	peak	
6		964.1100	-69.32	12.10	-57.22	-13.00	-44.22	peak	

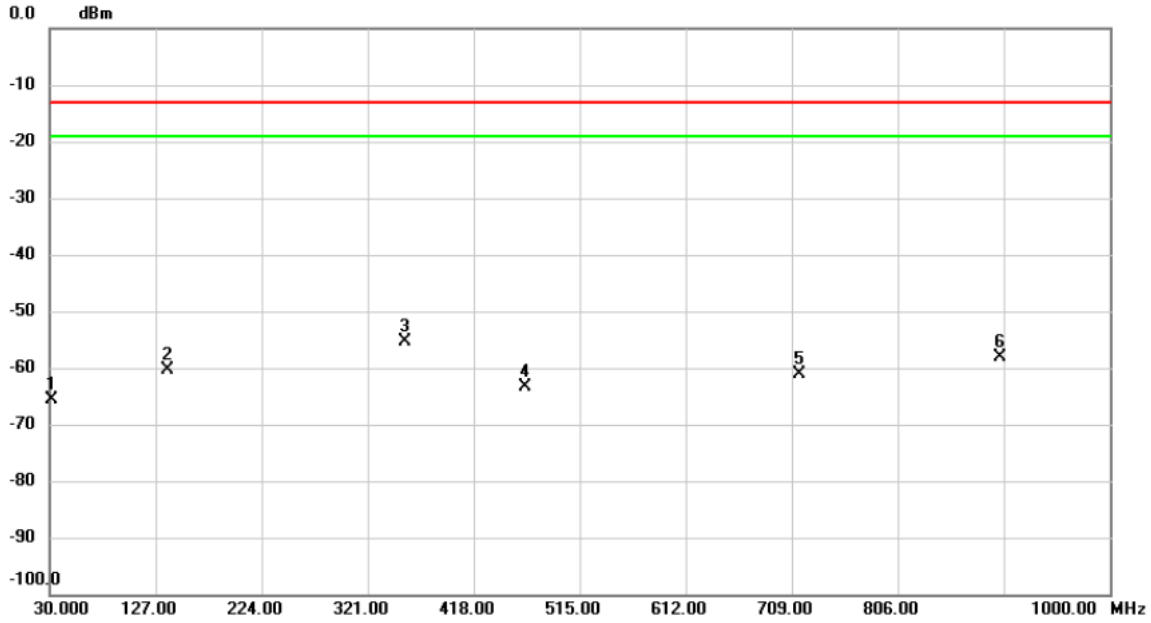
Test Mode	LTE_Band 25_Channel Bandwidth 20 MHz_QPSK_1RB0	Polarization	Vertical
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No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	3747.400	-20.27	0.00	-20.27	-13.00	-7.27	peak	
2		5621.100	-26.89	0.00	-26.89	-13.00	-13.89	peak	
3		7494.800	-47.07	0.00	-47.07	-13.00	-34.07	peak	
4		9368.500	-49.49	0.00	-49.49	-13.00	-36.49	peak	

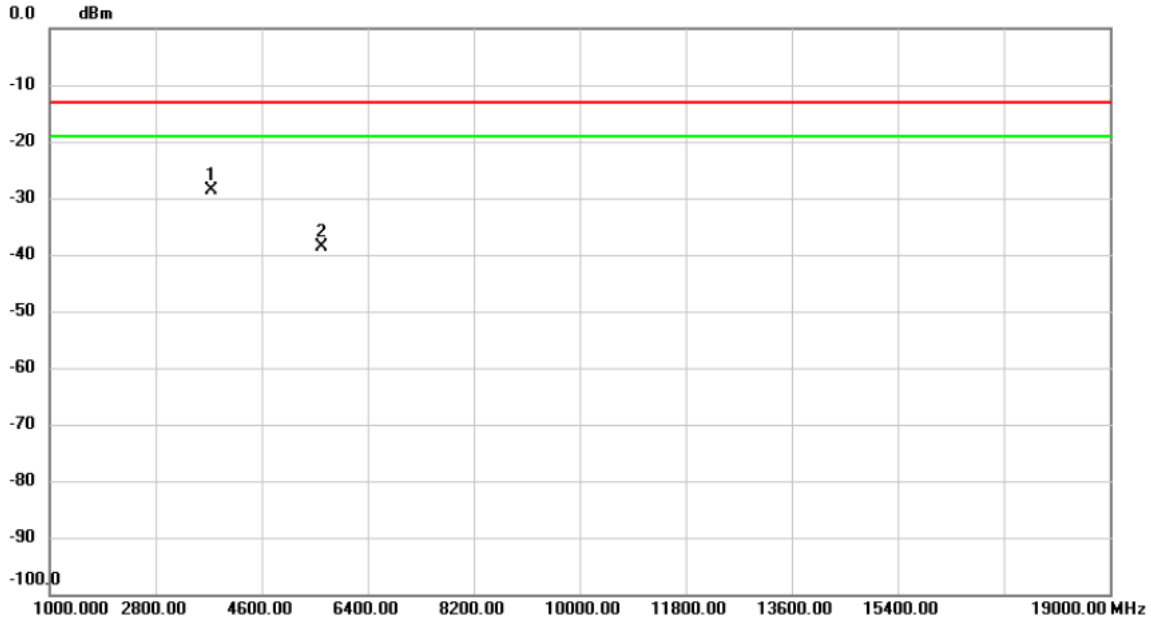


Test Mode	LTE_Band 25_Channel Bandwidth 20 MHz_QPSK_1RB0	Polarization	Horizontal
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No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1		31.9400	-67.94	2.30	-65.64	-13.00	-52.64	peak	
2		138.6400	-61.22	0.86	-60.36	-13.00	-47.36	peak	
3	*	354.9500	-57.23	1.82	-55.41	-13.00	-42.41	peak	
4		464.5600	-66.60	3.17	-63.43	-13.00	-50.43	peak	
5		715.7900	-68.12	7.08	-61.04	-13.00	-48.04	peak	
6		899.1200	-65.14	6.96	-58.18	-13.00	-45.18	peak	

Test Mode	LTE_Band 25_Channel Bandwidth 20 MHz_QPSK_1RB0	Polarization	Horizontal
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No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	3747.400	-28.60	0.00	-28.60	-13.00	-15.60	peak	
2		5621.100	-38.56	0.00	-38.56	-13.00	-25.56	peak	

## APPENDIX G FREQUENCY STABILITY

CONTINUE ON NEXT PAGE

Band		WCDMA Band II	
Temperature vs. Frequency Stability			
Temperature (°C)	Frequency Error (ppm)	Limit (ppm)	
55	0.0000	± 2.5	
50	0.0003	± 2.5	
40	-0.0001	± 2.5	
30	0.0002	± 2.5	
20	0.0002	± 2.5	
10	0.0004	± 2.5	
0	-0.0004	± 2.5	
Maximum Deviation (ppm)	0.0004	± 2.5	

Band		WCDMA Band II	
Voltage vs. Frequency Stability			
Voltage (V)	Frequency Error (ppm)	Limit (ppm)	
138.00	-0.0004	± 2.5	
120.00	0.0002	± 2.5	
102.00	-0.0002	± 2.5	
Maximum Deviation (ppm)	0.0002	± 2.5	

Band		LTE Band 2					
Temperature vs. Frequency Stability							
Channel Bandwidth (MHz)	Frequency Error (ppm)						Limit (ppm)
Temperature (°C)	1.4	3	5	10	15	20	
55	-0.0005	0.0002	0.0002	0.0005	0.0003	-0.0003	± 2.5
50	-0.0003	0.0000	-0.0001	-0.0001	-0.0004	0.0002	± 2.5
40	-0.0002	0.0003	0.0005	-0.0002	0.0004	-0.0001	± 2.5
30	-0.0005	-0.0002	0.0003	0.0004	-0.0005	0.0000	± 2.5
20	0.0004	0.0003	0.0000	0.0002	0.0001	0.0001	± 2.5
10	-0.0002	0.0001	-0.0005	0.0002	0.0002	0.0000	± 2.5
0	0.0002	0.0003	-0.0005	0.0003	-0.0005	-0.0005	± 2.5
Maximum Deviation (ppm)	0.0005						± 2.5

Band		LTE Band 2					
Voltage vs. Frequency Stability							
Channel Bandwidth (MHz)	Frequency Error (ppm)						Limit (ppm)
Voltage (V)	1.4	3	5	10	15	20	
138.00	0.0004	0.0000	0.0005	0.0000	-0.0004	-0.0001	± 2.5
120.00	0.0004	0.0003	0.0000	0.0002	0.0001	0.0001	± 2.5
102.00	-0.0001	-0.0001	-0.0001	0.0004	0.0002	0.0001	± 2.5
Maximum Deviation (ppm)	0.0005						± 2.5

Band		LTE Band 25					
Temperature vs. Frequency Stability							
Channel Bandwidth (MHz)	Frequency Error (ppm)						Limit (ppm)
Temperature (°C)	1.4	3	5	10	15	20	
55	0.0002	0.0004	0.0000	0.0004	0.0000	-0.0002	± 2.5
50	-0.0004	-0.0005	-0.0003	-0.0004	0.0002	-0.0002	± 2.5
40	0.0005	0.0005	0.0000	0.0005	-0.0004	0.0003	± 2.5
30	0.0005	-0.0001	-0.0001	0.0002	-0.0004	-0.0004	± 2.5
20	0.0004	0.0005	0.0002	-0.0001	0.0002	0.0003	± 2.5
10	-0.0005	0.0001	0.0000	-0.0005	0.0003	-0.0002	± 2.5
0	0.0001	0.0001	-0.0003	-0.0002	0.0001	0.0004	± 2.5
Maximum Deviation (ppm)	0.0005						± 2.5

Band		LTE Band 25					
Voltage vs. Frequency Stability							
Channel Bandwidth (MHz)	Frequency Error (ppm)						Limit (ppm)
Voltage (V)	1.4	3	5	10	15	20	
138.00	0.0005	-0.0004	0.0004	0.0004	0.0002	0.0001	± 2.5
120.00	0.0004	0.0005	0.0002	-0.0001	0.0002	0.0003	± 2.5
102.00	-0.0004	0.0002	-0.0002	0.0003	-0.0003	-0.0004	± 2.5
Maximum Deviation (ppm)	0.0005						± 2.5