

LTE Band 25

Middle Channel, $f_0 = 1882.5 \text{ MHz}$				
Temperature (°C)	Power Supplied (VDC)	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-10	3.7	-7.95	-0.004155	±2.5
0		-10.37	-0.005418	±2.5
10		-10.43	-0.005448	±2.5
20		-8.41	-0.004394	±2.5
30		-7.95	-0.004155	±2.5
40		-12.69	-0.006628	±2.5
50		-12.47	-0.006516	±2.5
55		-9.37	-0.004895	±2.5
25	4.2	-11.33	-0.005918	±2.5
	3.5	-0.17	-0.000104	±2.5

Note: The EUT doesn't work below -10°C

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9. OCCUPIED BANDWIDTH

9.1 MEASUREMENT METHOD

The test set up and general procedure is similar to conducted peak output power test. Only different for setting the measurement configuration of the measuring instrument of Spectrum Analyzer.

9.2 PROVISIONS APPLICABLE

The emission bandwidth is defined as two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26dB below the transmitter power

9.3 MEASUREMENT RESULT

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission shall be measured. All modes of operation were investigated and the worst case configuration results are reported in this section.

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LTE Band 2
Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz					
Modulation	Channel	RB Configuration		Occupied Bandwidth(MHz)	Verdict
		Size	Offset		
QPSK	LCH	6	0	1.0773	PASS
	MCH	6	0	1.0798	PASS
	HCH	6	0	1.0775	PASS
16QAM	LCH	6	0	1.0781	PASS
	MCH	6	0	1.0766	PASS
	HCH	6	0	1.0788	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz					
Modulation	Channel	RB Configuration		Occupied Bandwidth(MHz)	Verdict
		Size	Offset		
QPSK	LCH	15	0	2.6844	PASS
	MCH	15	0	2.6831	PASS
	HCH	15	0	2.6859	PASS
16QAM	LCH	15	0	2.6841	PASS
	MCH	15	0	2.6848	PASS
	HCH	15	0	2.6823	PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz					
Modulation	Channel	RB Configuration		Occupied Bandwidth(MHz)	Verdict
		Size	Offset		
QPSK	LCH	25	0	4.4741	PASS
	MCH	25	0	4.4757	PASS
	HCH	25	0	4.4783	PASS
16QAM	LCH	25	0	4.4692	PASS
	MCH	25	0	4.4727	PASS
	HCH	25	0	4.4762	PASS

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Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz					
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	Verdict
		Size	Offset		
QPSK	LCH	50	0	8.9358	PASS
	MCH	50	0	8.9278	PASS
	HCH	50	0	8.9173	PASS
16QAM	LCH	50	0	8.9363	PASS
	MCH	50	0	8.9217	PASS
	HCH	50	0	8.9287	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz					
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	Verdict
		Size	Offset		
QPSK	LCH	75	0	13.396	PASS
	MCH	75	0	13.388	PASS
	HCH	75	0	13.375	PASS
16QAM	LCH	75	0	13.406	PASS
	MCH	75	0	13.403	PASS
	HCH	75	0	13.374	PASS

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz					
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	Verdict
		Size	Offset		
QPSK	LCH	100	0	17.882	PASS
	MCH	100	0	17.823	PASS
	HCH	100	0	17.844	PASS
16QAM	LCH	100	0	17.888	PASS
	MCH	100	0	17.833	PASS
	HCH	100	0	17.821	PASS

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LTE Band 4
Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz					
Modulation	Channel	RB Configuration		Occupied Bandwidth(MHz)	Verdict
		Size	Offset		
QPSK	LCH	6	0	1.0769	PASS
	MCH	6	0	1.0771	PASS
	HCH	6	0	1.0789	PASS
16QAM	LCH	6	0	1.0787	PASS
	MCH	6	0	1.0810	PASS
	HCH	6	0	1.0780	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz					
Modulation	Channel	RB Configuration		Occupied Bandwidth(MHz)	Verdict
		Size	Offset		
QPSK	LCH	15	0	2.6831	PASS
	MCH	15	0	2.6865	PASS
	HCH	15	0	2.6854	PASS
16QAM	LCH	15	0	2.6843	PASS
	MCH	15	0	2.6834	PASS
	HCH	15	0	2.6912	PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz					
Modulation	Channel	RB Configuration		Occupied Bandwidth(MHz)	Verdict
		Size	Offset		
QPSK	LCH	25	0	4.4817	PASS
	MCH	25	0	4.4801	PASS
	HCH	25	0	4.4797	PASS
16QAM	LCH	25	0	4.4757	PASS
	MCH	25	0	4.4773	PASS
	HCH	25	0	4.4810	PASS

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Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz					
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	Verdict
		Size	Offset		
QPSK	LCH	50	0	8.9471	PASS
	MCH	50	0	8.9299	PASS
	HCH	50	0	8.9286	PASS
16QAM	LCH	50	0	8.9417	PASS
	MCH	50	0	8.9401	PASS
	HCH	50	0	8.9343	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz					
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	Verdict
		Size	Offset		
QPSK	LCH	75	0	13.411	PASS
	MCH	75	0	13.415	PASS
	HCH	75	0	13.392	PASS
16QAM	LCH	75	0	13.415	PASS
	MCH	75	0	13.418	PASS
	HCH	75	0	13.392	PASS

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz					
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	Verdict
		Size	Offset		
QPSK	LCH	100	0	17.852	PASS
	MCH	100	0	17.858	PASS
	HCH	100	0	17.830	PASS
16QAM	LCH	100	0	17.854	PASS
	MCH	100	0	17.876	PASS
	HCH	100	0	17.827	PASS

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LTE Band 5
Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz					
Modulation	Channel	RB Configuration		Occupied Bandwidth(MHz)	Verdict
		Size	Offset		
QPSK	LCH	6	0	1.0794	PASS
	MCH	6	0	1.0741	PASS
	HCH	6	0	1.0786	PASS
16QAM	LCH	6	0	1.0821	PASS
	MCH	6	0	1.0785	PASS
	HCH	6	0	1.0771	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz					
Modulation	Channel	RB Configuration		Occupied Bandwidth(MHz)	Verdict
		Size	Offset		
QPSK	LCH	15	0	2.6868	PASS
	MCH	15	0	2.6878	PASS
	HCH	15	0	2.6815	PASS
16QAM	LCH	15	0	2.6869	PASS
	MCH	15	0	2.6877	PASS
	HCH	15	0	2.6839	PASS

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Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz					
Modulation	Channel	RB Configuration		Occupied Bandwidth(MHz)	Verdict
		Size	Offset		
QPSK	LCH	25	0	4.4878	PASS
	MCH	25	0	4.4829	PASS
	HCH	25	0	4.4682	PASS
16QAM	LCH	25	0	4.4762	PASS
	MCH	25	0	4.4797	PASS
	HCH	25	0	4.4733	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz					
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	Verdict
		Size	Offset		
QPSK	LCH	50	0	8.9307	PASS
	MCH	50	0	8.9484	PASS
	HCH	50	0	8.8998	PASS
16QAM	LCH	50	0	8.9299	PASS
	MCH	50	0	8.9488	PASS
	HCH	50	0	8.9179	PASS

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LTE Band 7
Channel Bandwidth: 5MHz

Channel Bandwidth: 5 MHz					
Modulation	Channel	RB Configuration		Occupied Bandwidth(MHz)	Verdict
		Size	Offset		
QPSK	LCH	25	0	4.4831	PASS
	MCH	25	0	4.4740	PASS
	HCH	25	0	4.4843	PASS
16QAM	LCH	25	0	4.4840	PASS
	MCH	25	0	4.4805	PASS
	HCH	25	0	4.4809	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz					
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	Verdict
		Size	Offset		
QPSK	LCH	50	0	8.9422	PASS
	MCH	50	0	8.9317	PASS
	HCH	50	0	8.9296	PASS
16QAM	LCH	50	0	8.9340	PASS
	MCH	50	0	8.9266	PASS
	HCH	50	0	8.9489	PASS

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Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz					
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	Verdict
		Size	Offset		
QPSK	LCH	75	0	13.412	PASS
	MCH	75	0	13.395	PASS
	HCH	75	0	13.411	PASS
16QAM	LCH	75	0	13.406	PASS
	MCH	75	0	13.399	PASS
	HCH	75	0	13.434	PASS

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz					
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	Verdict
		Size	Offset		
QPSK	LCH	100	0	17.838	PASS
	MCH	100	0	17.824	PASS
	HCH	100	0	17.911	PASS
16QAM	LCH	100	0	17.848	PASS
	MCH	100	0	17.825	PASS
	HCH	100	0	17.893	PASS

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LTE Band 25
Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz					
Modulation	Channel	RB Configuration		Occupied Bandwidth(MHz)	Verdict
		Size	Offset		
QPSK	LCH	6	0	1.0788	PASS
	MCH	6	0	1.0780	PASS
	HCH	6	0	1.0838	PASS
16QAM	LCH	6	0	1.0822	PASS
	MCH	6	0	1.0826	PASS
	HCH	6	0	1.0824	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth:3 MHz					
Modulation	Channel	RB Configuration		Occupied Bandwidth(MHz)	Verdict
		Size	Offset		
QPSK	LCH	15	0	2.6863	PASS
	MCH	15	0	2.6856	PASS
	HCH	15	0	2.6853	PASS
16QAM	LCH	15	0	2.6858	PASS
	MCH	15	0	2.6835	PASS
	HCH	15	0	2.6879	PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz					
Modulation	Channel	RB Configuration		Occupied Bandwidth(MHz)	Verdict
		Size	Offset		
QPSK	LCH	25	0	4.4782	PASS
	MCH	25	0	4.4715	PASS
	HCH	25	0	4.4864	PASS
16QAM	LCH	25	0	4.4805	PASS
	MCH	25	0	4.4759	PASS
	HCH	25	0	4.4836	PASS

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Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz					
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	Verdict
		Size	Offset		
QPSK	LCH	50	0	8.9249	PASS
	MCH	50	0	8.9413	PASS
	HCH	50	0	8.9332	PASS
16QAM	LCH	50	0	8.9309	N/A
	MCH	50	0	8.9280	N/A
	HCH	50	0	8.9287	N/A

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz					
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	Verdict
		Size	Offset		
QPSK	LCH	75	0	13.397	PASS
	MCH	75	0	13.414	PASS
	HCH	75	0	13.378	PASS
16QAM	LCH	75	0	13.412	N/A
	MCH	75	0	13.399	N/A
	HCH	75	0	13.388	N/A

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz					
Modulation	Channel	RB Configuration		Occupied Bandwidth (MHz)	Verdict
		Size	Offset		
QPSK	LCH	100	0	17.871	PASS
	MCH	100	0	17.838	PASS
	HCH	100	0	17.808	PASS
16QAM	LCH	100	0	17.886	N/A
	MCH	100	0	17.837	N/A
	HCH	100	0	17.808	N/A

Note: Please refers to Appendix B for compliance test plots for Occupied Bandwidth (99%)

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10. EMISSION BANDWIDTH

10.1 MEASUREMENT METHOD

The test set up and general procedure is similar to conducted peak output power test. Only different for setting the measurement configuration of the measuring instrument of Spectrum Analyzer.

10.2 PROVISIONS APPLICABLE

The emission bandwidth is defined as two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26dB below the transmitter power.

10.3 MEASUREMENT RESULT

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission shall be measured. All modes of operation were investigated and the worst case configuration results are reported in this section.

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LTE Band 2
Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz					
Modulation	Channel	RB Configuration		26dB Bandwidth (MHz)	Verdict
		Size	Offset		
QPSK	LCH	6	0	1.222	PASS
	MCH	6	0	1.248	PASS
	HCH	6	0	1.268	PASS
16QAM	LCH	6	0	1.254	PASS
	MCH	6	0	1.231	PASS
	HCH	6	0	1.272	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz					
Modulation	Channel	RB Configuration		26dB Bandwidth (MHz)	Verdict
		Size	Offset		
QPSK	LCH	15	0	2.889	PASS
	MCH	15	0	2.884	PASS
	HCH	15	0	2.910	PASS
16QAM	LCH	15	0	2.892	PASS
	MCH	15	0	2.882	PASS
	HCH	15	0	2.905	PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz					
Modulation	Channel	RB Configuration		26dB Bandwidth (MHz)	Verdict
		Size	Offset		
QPSK	LCH	25	0	4.819	PASS
	MCH	25	0	4.829	PASS
	HCH	25	0	4.816	PASS
16QAM	LCH	25	0	4.813	PASS
	MCH	25	0	4.838	PASS
	HCH	25	0	4.827	PASS

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Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz					
Modulation	Channel	RB Configuration		26dB Bandwidth (MHz)	Verdict
		Size	Offset		
QPSK	LCH	50	0	9.447	PASS
	MCH	50	0	9.483	PASS
	HCH	50	0	9.430	PASS
16QAM	LCH	50	0	9.446	PASS
	MCH	50	0	9.448	PASS
	HCH	50	0	9.383	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz					
Modulation	Channel	RB Configuration		26dB Bandwidth (MHz)	Verdict
		Size	Offset		
QPSK	LCH	75	0	14.04	PASS
	MCH	75	0	14.09	PASS
	HCH	75	0	14.00	PASS
16QAM	LCH	75	0	14.02	PASS
	MCH	75	0	13.67	PASS
	HCH	75	0	14.10	PASS

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz					
Modulation	Channel	RB Configuration		26dB Bandwidth (MHz)	Verdict
		Size	Offset		
QPSK	LCH	100	0	18.67	PASS
	MCH	100	0	18.58	PASS
	HCH	100	0	18.65	PASS
16QAM	LCH	100	0	18.69	PASS
	MCH	100	0	18.54	PASS
	HCH	100	0	18.67	PASS

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LTE Band 4
Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz					
Modulation	Channel	RB Configuration		26dB Bandwidth (MHz)	Verdict
		Size	Offset		
QPSK	LCH	6	0	1.242	PASS
	MCH	6	0	1.291	PASS
	HCH	6	0	1.269	PASS
16QAM	LCH	6	0	1.278	PASS
	MCH	6	0	1.303	PASS
	HCH	6	0	1.269	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz					
Modulation	Channel	RB Configuration		26dB Bandwidth (MHz)	Verdict
		Size	Offset		
QPSK	LCH	15	0	2.889	PASS
	MCH	15	0	2.935	PASS
	HCH	15	0	2.909	PASS
16QAM	LCH	15	0	2.896	PASS
	MCH	15	0	2.899	PASS
	HCH	15	0	2.902	PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz					
Modulation	Channel	RB Configuration		26dB Bandwidth (MHz)	Verdict
		Size	Offset		
QPSK	LCH	25	0	4.785	PASS
	MCH	25	0	4.793	PASS
	HCH	25	0	4.838	PASS
16QAM	LCH	25	0	4.808	PASS
	MCH	25	0	4.843	PASS
	HCH	25	0	4.808	PASS

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Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz					
Modulation	Channel	RB Configuration		26dB Bandwidth (MHz)	Verdict
		Size	Offset		
QPSK	LCH	50	0	9.472	PASS
	MCH	50	0	9.549	PASS
	HCH	50	0	9.478	PASS
16QAM	LCH	50	0	9.502	PASS
	MCH	50	0	9.515	PASS
	HCH	50	0	9.407	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz					
Modulation	Channel	RB Configuration		26dB Bandwidth (MHz)	Verdict
		Size	Offset		
QPSK	LCH	75	0	14.130	PASS
	MCH	75	0	14.120	PASS
	HCH	75	0	13.990	PASS
16QAM	LCH	75	0	14.080	PASS
	MCH	75	0	14.090	PASS
	HCH	75	0	14.030	PASS

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz					
Modulation	Channel	RB Configuration		26dB Bandwidth (MHz)	Verdict
		Size	Offset		
QPSK	LCH	100	0	18.590	PASS
	MCH	100	0	18.690	PASS
	HCH	100	0	18.710	PASS
16QAM	LCH	100	0	18.630	PASS
	MCH	100	0	18.640	PASS
	HCH	100	0	18.620	PASS

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LTE Band 5
Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz					
Modulation	Channel	RB Configuration		26dB Bandwidth (MHz)	Verdict
		Size	Offset		
QPSK	LCH	6	0	1.235	PASS
	MCH	6	0	1.228	PASS
	HCH	6	0	1.245	PASS
16QAM	LCH	6	0	1.258	PASS
	MCH	6	0	1.226	PASS
	HCH	6	0	1.223	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz					
Modulation	Channel	RB Configuration		26dB Bandwidth (MHz)	Verdict
		Size	Offset		
QPSK	LCH	15	0	2.895	PASS
	MCH	15	0	2.894	PASS
	HCH	15	0	2.892	PASS
16QAM	LCH	15	0	2.900	PASS
	MCH	15	0	2.905	PASS
	HCH	15	0	2.882	PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5MHz					
Modulation	Channel	RB Configuration		26dB Bandwidth (MHz)	Verdict
		Size	Offset		
QPSK	LCH	25	0	4.813	PASS
	MCH	25	0	4.825	PASS
	HCH	25	0	4.793	PASS
16QAM	LCH	25	0	4.841	PASS
	MCH	25	0	4.787	PASS
	HCH	25	0	4.777	PASS

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Channel Bandwidth: 10 MHz

Channel Bandwidth: 10MHz					
Modulation	Channel	RB Configuration		26dB Bandwidth (MHz)	Verdict
		Size	Offset		
QPSK	LCH	50	0	9.502	PASS
	MCH	50	0	9.526	PASS
	HCH	50	0	9.365	PASS
16QAM	LCH	50	0	9.397	PASS
	MCH	50	0	9.487	PASS
	HCH	50	0	9.322	PASS

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LTE Band 7
Channel Bandwidth: 5 MHz

Channel Bandwidth: 5MHz					
Modulation	Channel	RB Configuration		26dB Bandwidth (MHz)	Verdict
		Size	Offset		
QPSK	LCH	25	0	4.813	PASS
	MCH	25	0	4.828	PASS
	HCH	25	0	4.818	PASS
16QAM	LCH	25	0	4.807	PASS
	MCH	25	0	4.823	PASS
	HCH	25	0	4.825	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10MHz					
Modulation	Channel	RB Configuration		26dB Bandwidth (MHz)	Verdict
		Size	Offset		
QPSK	LCH	50	0	9.477	PASS
	MCH	50	0	9.488	PASS
	HCH	50	0	9.472	PASS
16QAM	LCH	50	0	9.494	PASS
	MCH	50	0	9.457	PASS
	HCH	50	0	9.519	PASS

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Channel Bandwidth: 15 MHz

Channel Bandwidth: 15MHz					
Modulation	Channel	RB Configuration		26dB Bandwidth (MHz)	Verdict
		Size	Offset		
QPSK	LCH	75	0	14.00	PASS
	MCH	75	0	14.13	PASS
	HCH	75	0	14.13	PASS
16QAM	LCH	75	0	14.02	PASS
	MCH	75	0	14.07	PASS
	HCH	75	0	14.05	PASS

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20MHz					
Modulation	Channel	RB Configuration		26dB Bandwidth (MHz)	Verdict
		Size	Offset		
QPSK	LCH	100	0	18.60	PASS
	MCH	100	0	18.62	PASS
	HCH	100	0	18.64	PASS
16QAM	LCH	100	0	18.62	PASS
	MCH	100	0	18.55	PASS
	HCH	100	0	18.79	PASS

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LTE Band 25
Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4MHz					
Modulation	Channel	RB Configuration		26dB Bandwidth (MHz)	Verdict
		Size	Offset		
QPSK	LCH	6	0	1.242	PASS
	MCH	6	0	1.226	PASS
	HCH	6	0	1.422	PASS
16QAM	LCH	6	0	1.264	PASS
	MCH	6	0	1.242	PASS
	HCH	6	0	1.309	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3MHz					
Modulation	Channel	RB Configuration		26dB Bandwidth (MHz)	Verdict
		Size	Offset		
QPSK	LCH	15	0	2.899	PASS
	MCH	15	0	2.902	PASS
	HCH	15	0	2.929	PASS
16QAM	LCH	15	0	2.886	PASS
	MCH	15	0	2.901	PASS
	HCH	15	0	2.937	PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5MHz					
Modulation	Channel	RB Configuration		26dB Bandwidth (MHz)	Verdict
		Size	Offset		
QPSK	LCH	25	0	4.843	PASS
	MCH	25	0	4.836	PASS
	HCH	25	0	4.842	PASS
16QAM	LCH	25	0	4.795	PASS
	MCH	25	0	4.835	PASS
	HCH	25	0	4.860	PASS

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Channel Bandwidth: 10 MHz

Channel Bandwidth: 10MHz					
Modulation	Channel	RB Configuration		26dB Bandwidth (MHz)	Verdict
		Size	Offset		
QPSK	LCH	50	0	9.439	PASS
	MCH	50	0	9.470	PASS
	HCH	50	0	9.454	PASS
16QAM	LCH	50	0	9.422	PASS
	MCH	50	0	9.446	PASS
	HCH	50	0	9.427	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15MHz					
Modulation	Channel	RB Configuration		26dB Bandwidth (MHz)	Verdict
		Size	Offset		
QPSK	LCH	75	0	14.110	PASS
	MCH	75	0	14.030	PASS
	HCH	75	0	13.980	PASS
16QAM	LCH	75	0	14.090	PASS
	MCH	75	0	14.030	PASS
	HCH	75	0	14.070	PASS

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20MHz					
Modulation	Channel	RB Configuration		26dB Bandwidth (MHz)	Verdict
		Size	Offset		
QPSK	LCH	100	0	18.620	PASS
	MCH	100	0	18.590	PASS
	HCH	100	0	18.560	PASS
16QAM	LCH	100	0	18.610	PASS
	MCH	100	0	18.580	PASS
	HCH	100	0	18.540	PASS

Note: Please refers to Appendix B for compliance test plots for emission bandwidth (-26dBc)

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11. BAND EDGE

11.1 MEASUREMENT METHOD

The test set up and general procedure is similar to conducted peak output power test. Only different for setting the measurement configuration of the measuring instrument of Spectrum Analyzer.

11.2 PROVISIONS APPLICABLE

As Specified in FCC rules of §2.1051 §24.238(a) §27.53(g) §27.53(h) §27.53(m)
KDB 971168 D01v03 – Section 6.0

11.3 MEASUREMENT RESULT

All out of band emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequency. All data rates were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

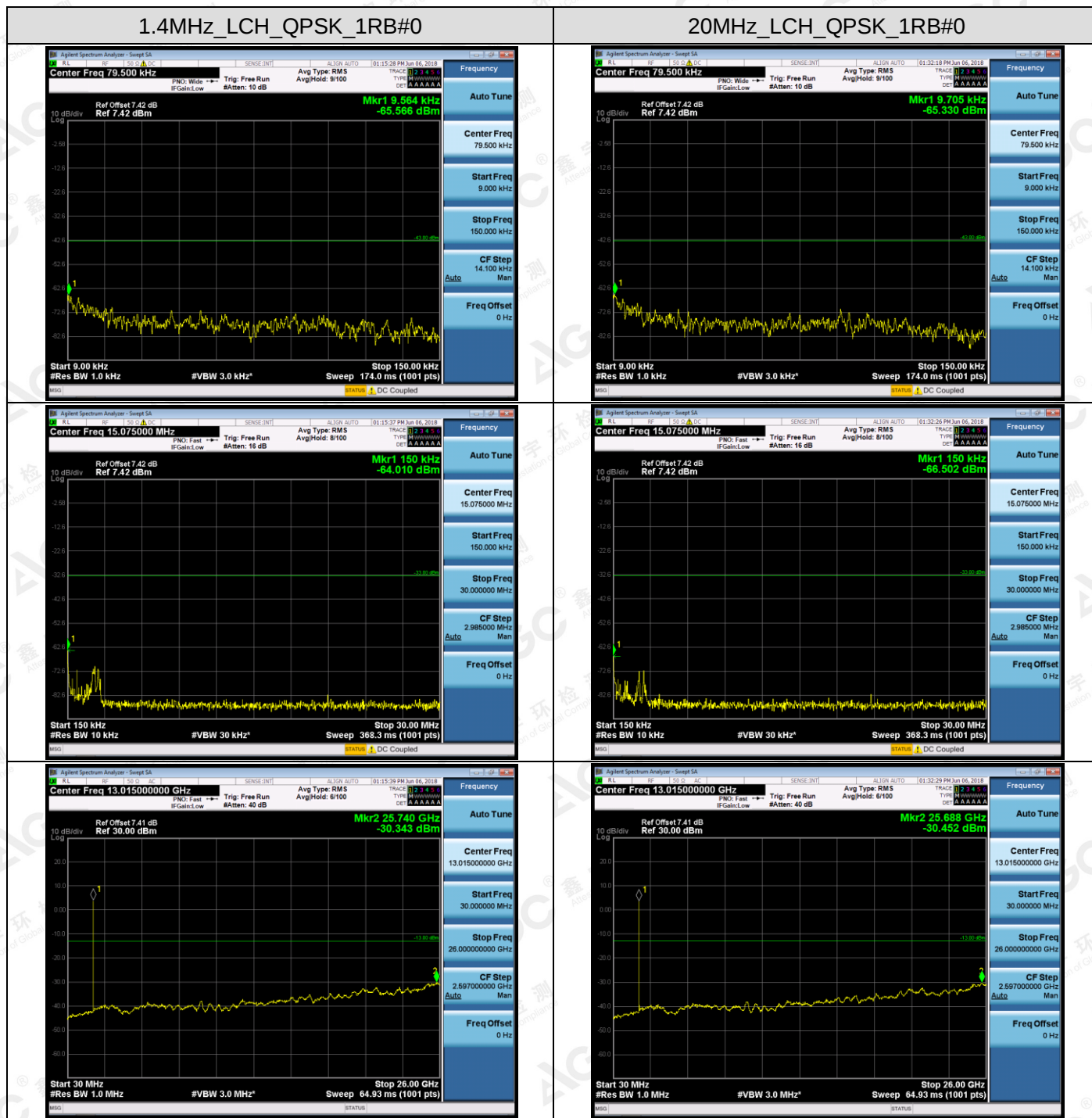
The minimum permissible attenuation level of any spurious emission is $43 + \log_{10}(P[\text{Watts}])$, where P is the transmitter power in Watts.

Please refers to Appendix C for compliance test plots for band edge

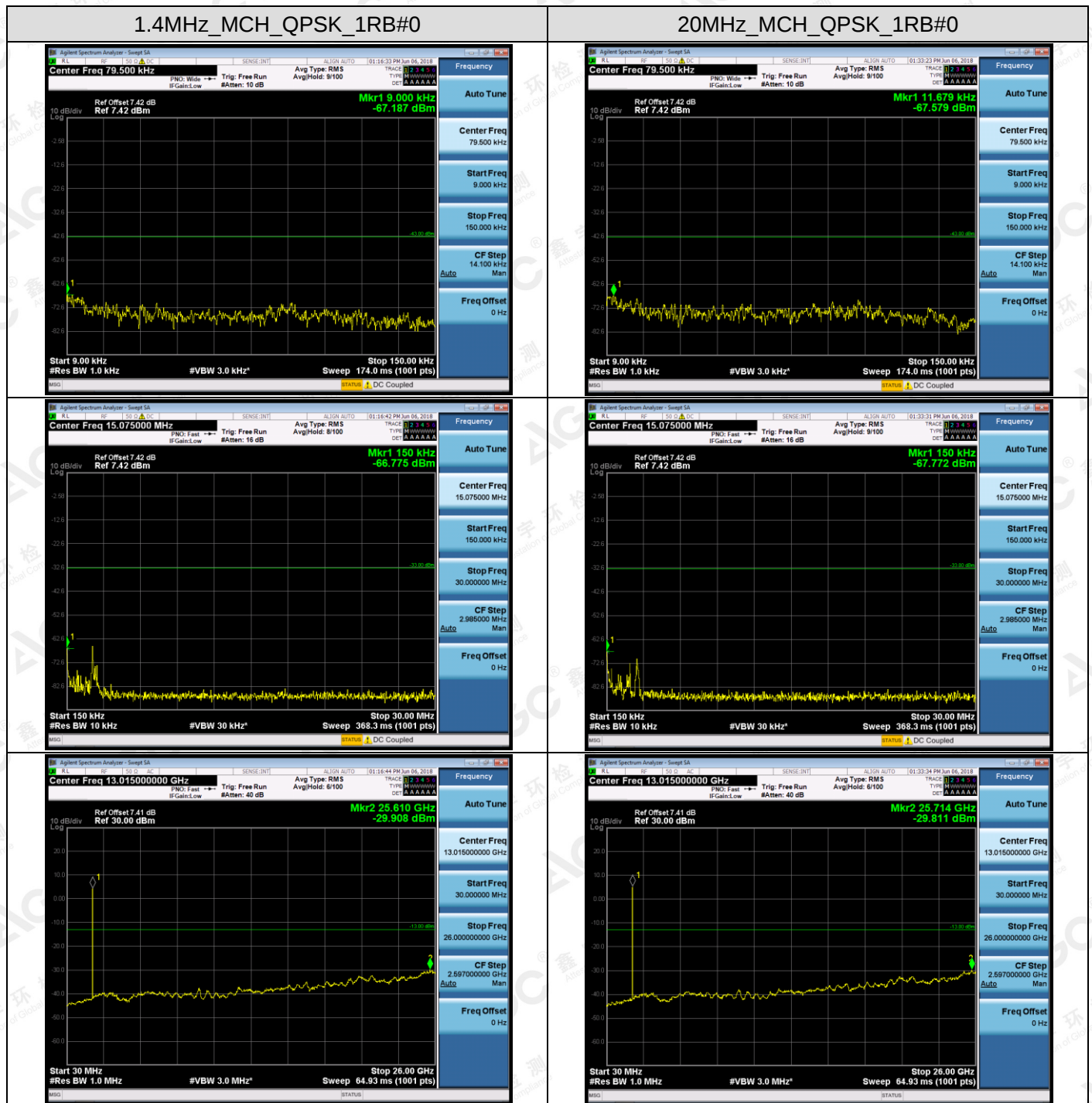
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APPENDIX A TEST PLOTS FOR CONDUCTED SPURIOUS EMISSION

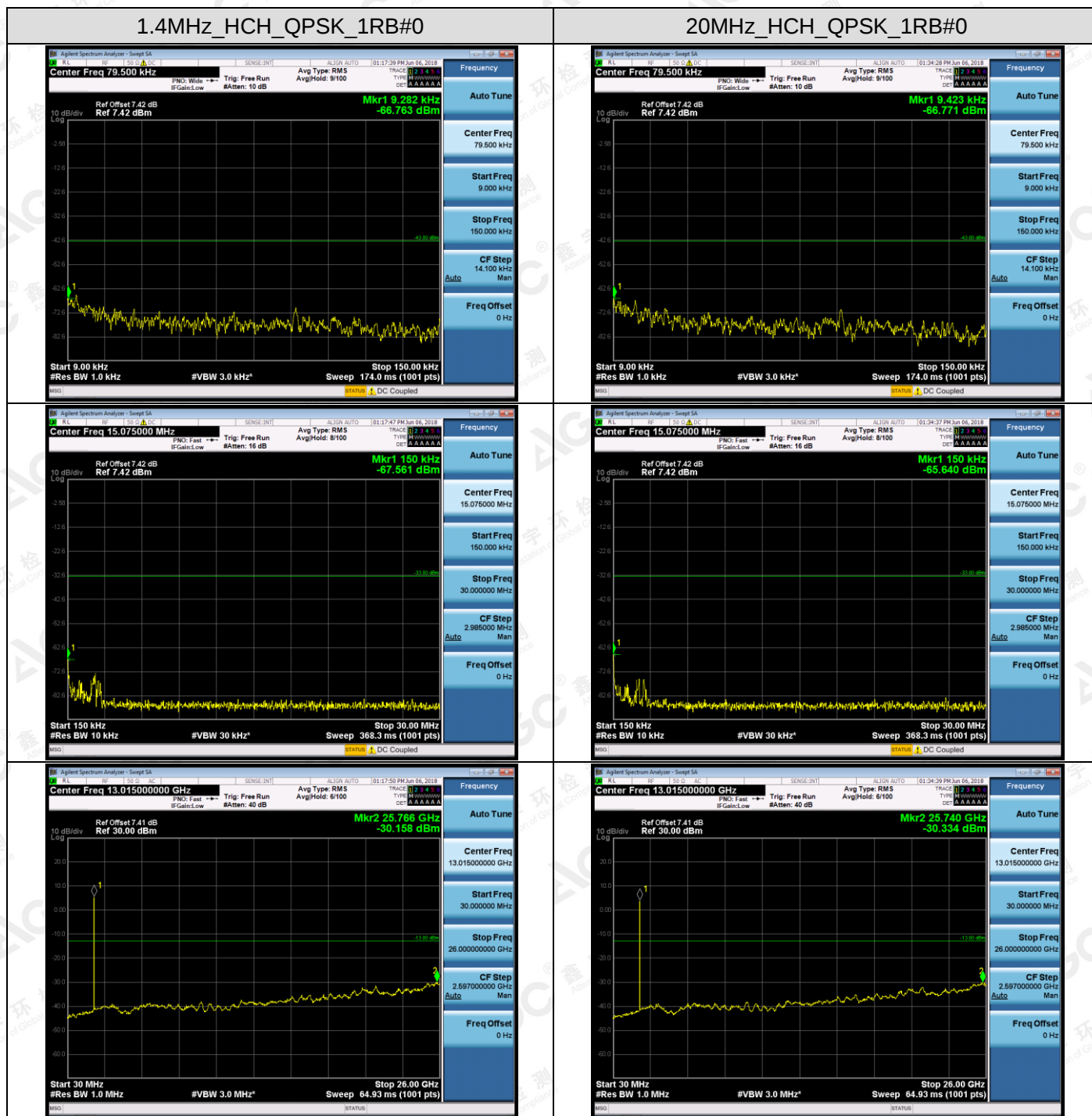
LTE BAND 2



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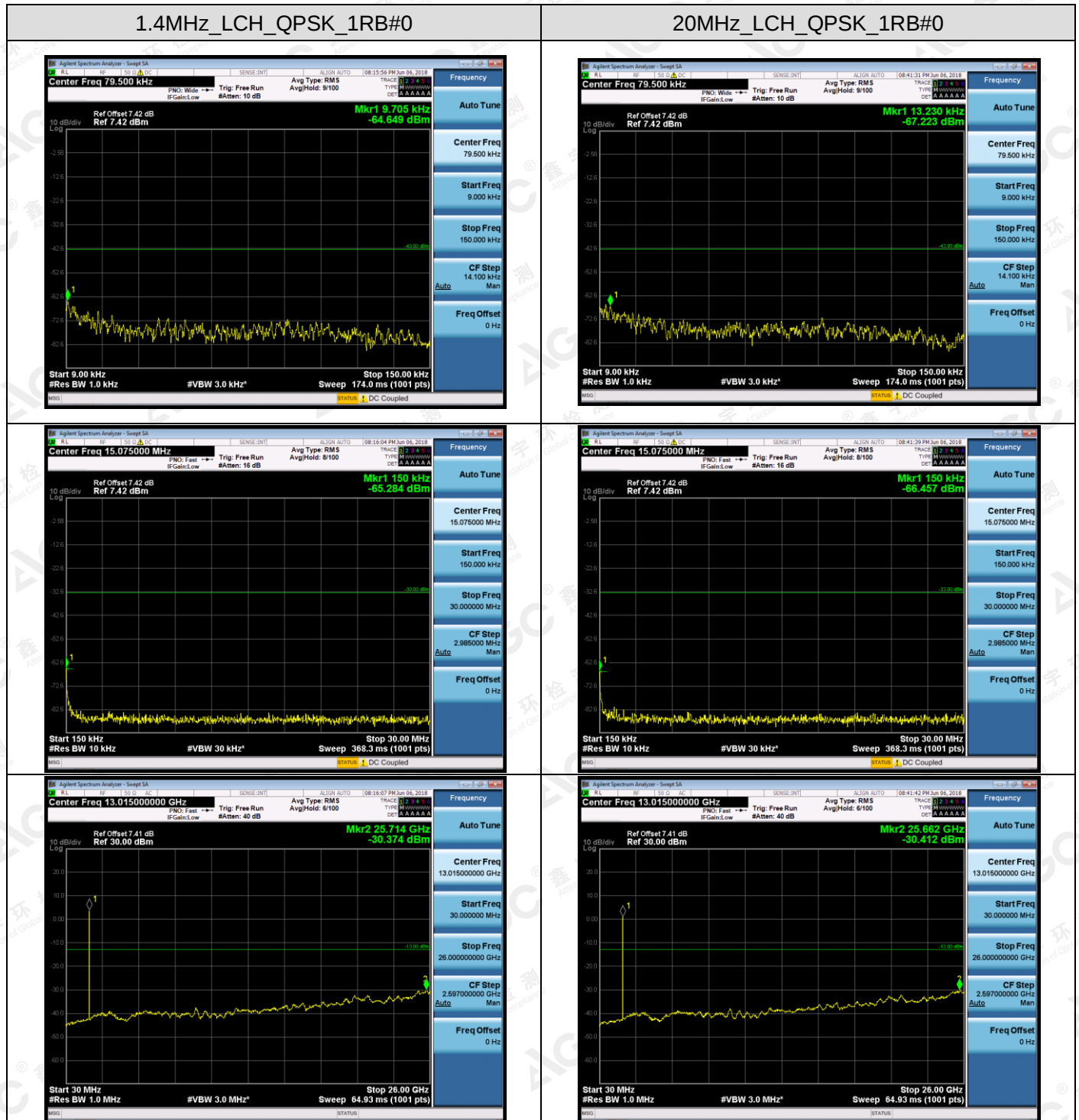


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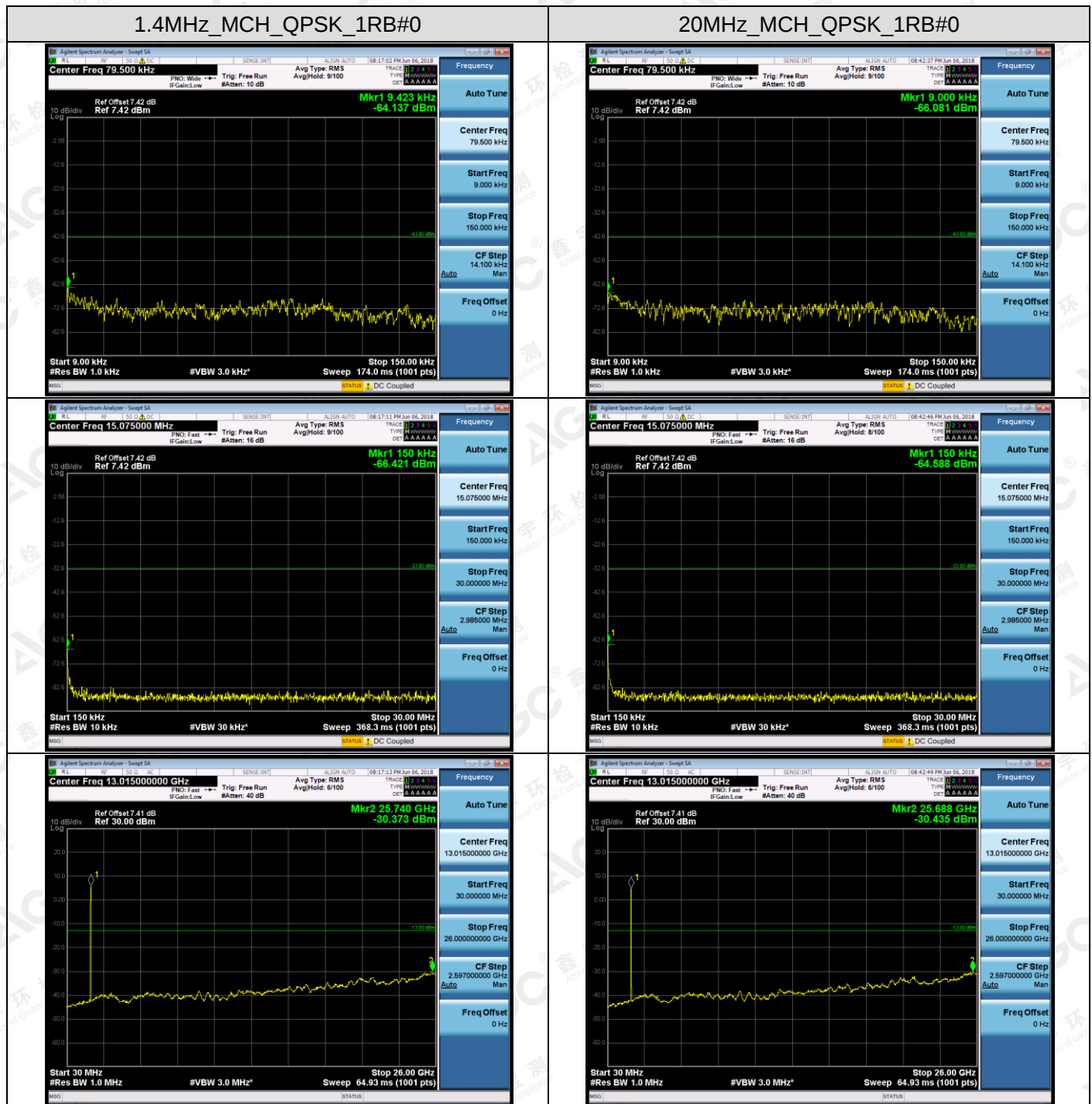


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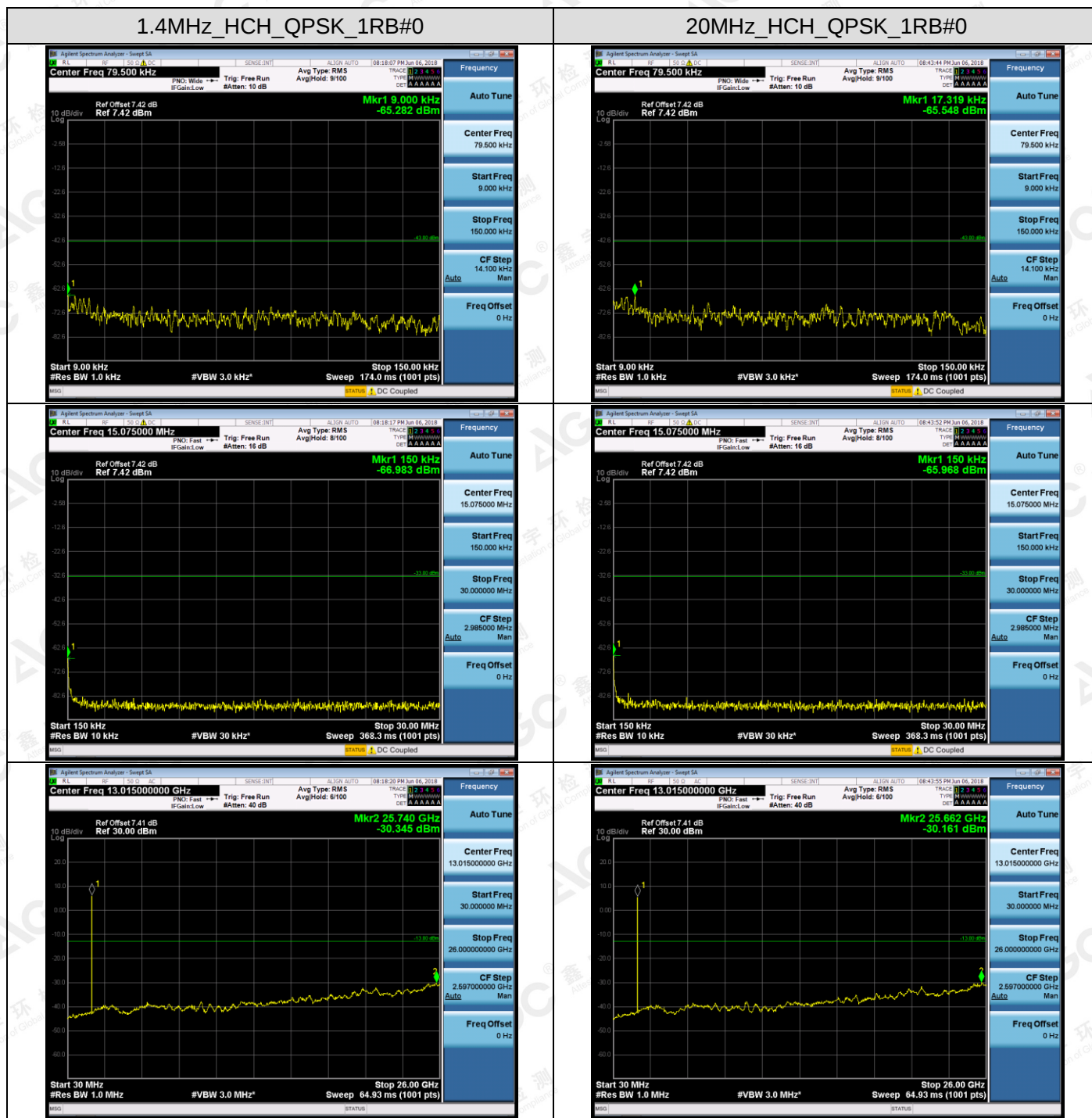
TEST PLOTS FOR CONDUCTED SPURIOUS EMISSION
LTE BAND 4



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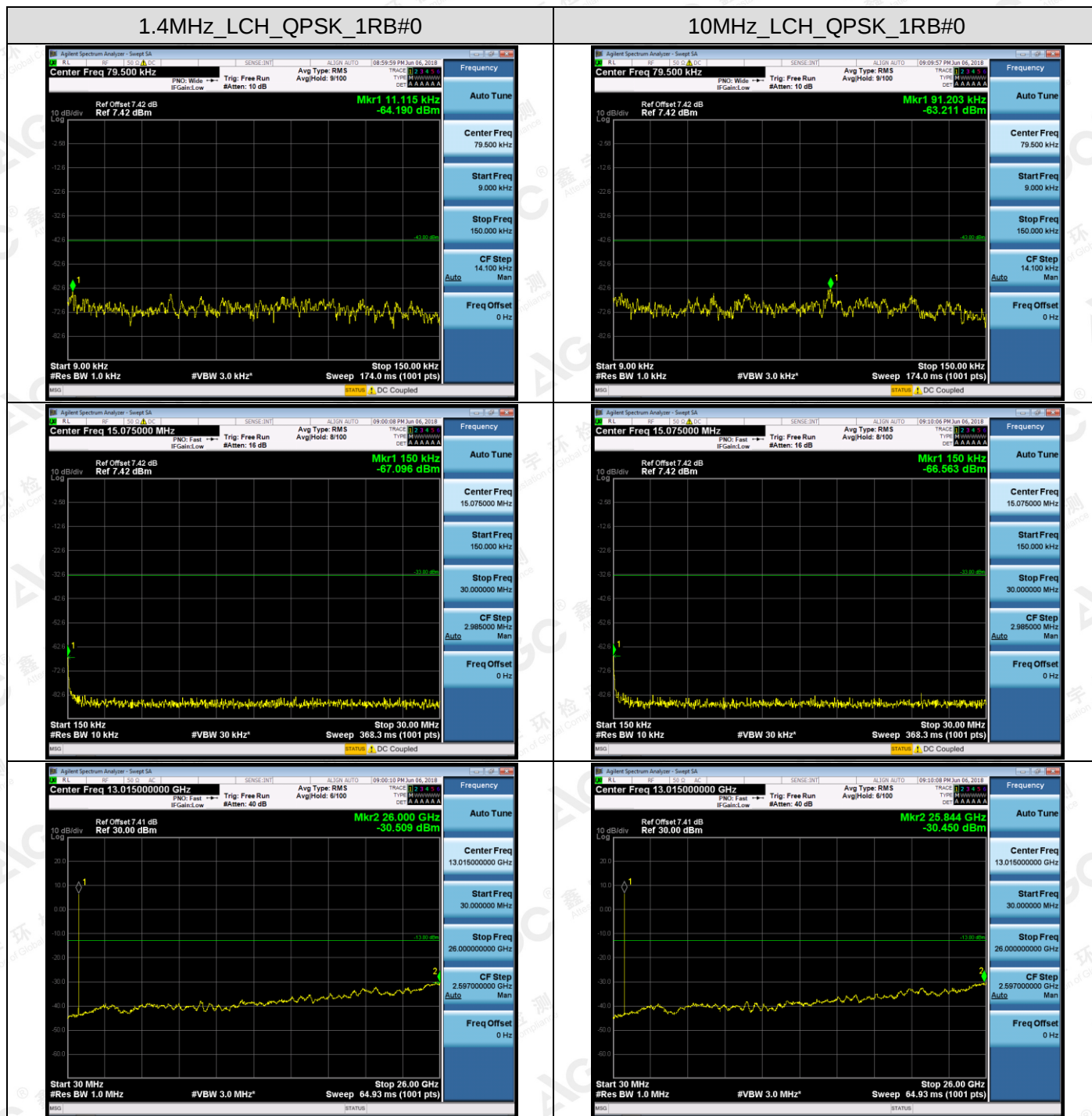


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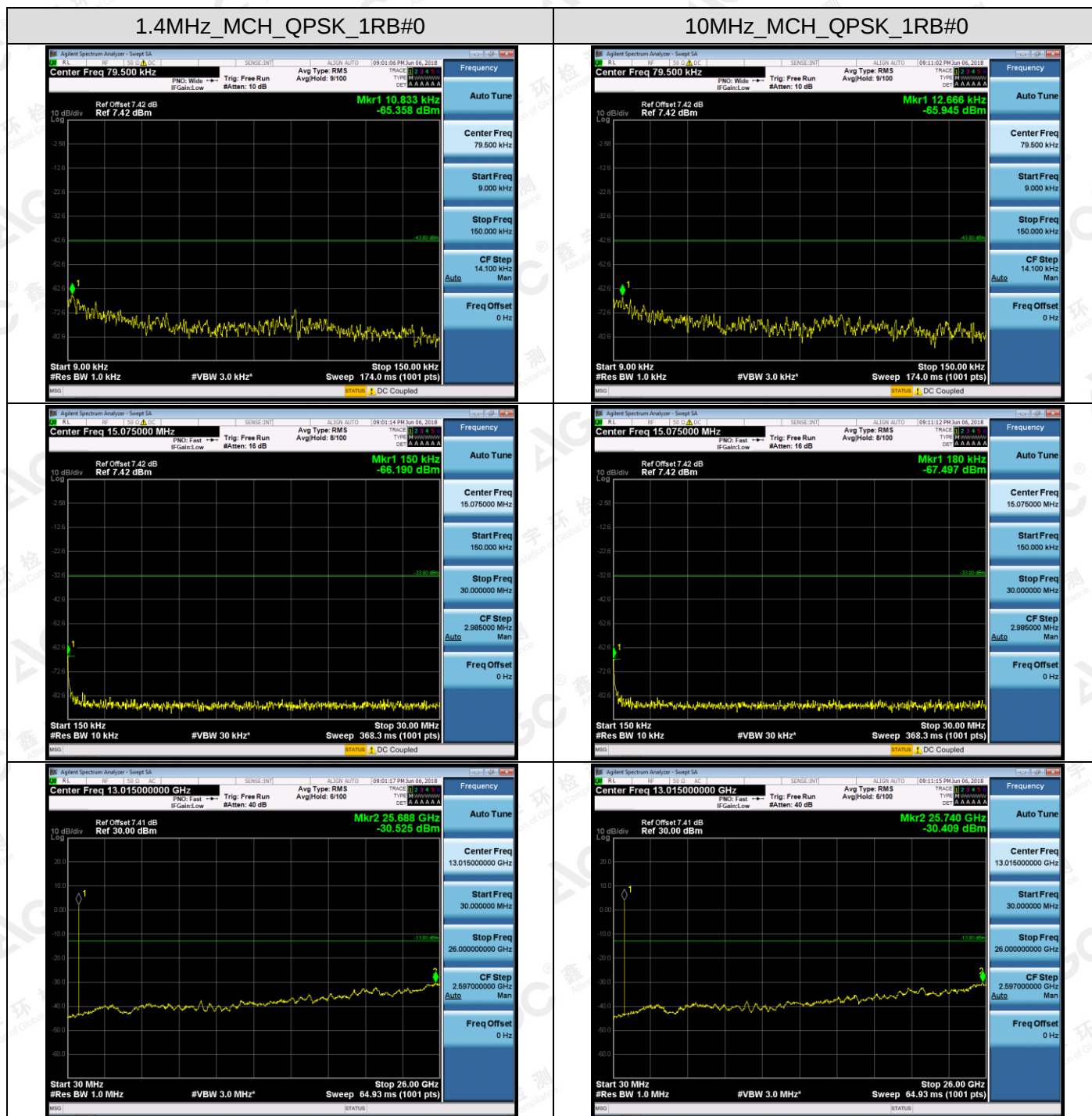


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TEST PLOTS FOR CONDUCTED SPURIOUS EMISSION
LTE BAND 5



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