

APPENDIX C - CONDUCTED EMISSIONS

PCS1900			
GPRS		GPRS	
Channel	Frequency(MHz)	Channel	Frequency(MHz)
661	1880	661	1880
<p>Ref 20 dBm Att 30 dB RBW 1 kHz Marker 1 [T1] -50.98 dBm VSW 3 kHz SWF 145 ms 19.152000000 kHz</p> <p>Offset 5.0 dB</p> <p>D1 -43 dBm</p> <p>Start 9 kHz 14.1 kHz/ Stop 150 kHz</p> <p>Date: 24.JUL.2019 17:46:05</p>		<p>Ref 20 dBm Att 30 dB RBW 10 kHz Marker 1 [T1] -55.28 dBm VSW 30 kHz SWF 300 ms 150.000000000 kHz</p> <p>Offset 5.0 dB</p> <p>D1 -33 dBm</p> <p>Start 150 kHz 2.985 MHz/ Stop 30 MHz</p> <p>Date: 24.JUL.2019 18:04:44</p>	
GPRS		EDGE	
Channel	Frequency(MHz)	Channel	Frequency(MHz)
661	1880	661	1880
<p>Ref 20 dBm Att 30 dB RBW 1 MHz Marker 1 [T1] -27.14 dBm VSW 3 MHz SWF 400 ms 109.880000000 MHz</p> <p>Offset 5.0 dB</p> <p>D1 -13 dBm</p> <p>Start 30 MHz 1.997 GHz/ Stop 20 GHz</p> <p>Date: 31.JUL.2019 17:39:01</p>		<p>Ref 20 dBm Att 30 dB RBW 1 kHz Marker 1 [T1] -50.98 dBm VSW 3 kHz SWF 145 ms 19.152000000 kHz</p> <p>Offset 5.0 dB</p> <p>D1 -43 dBm</p> <p>Start 9 kHz 14.1 kHz/ Stop 150 kHz</p> <p>Date: 24.JUL.2019 17:46:05</p>	
EDGE		EDGE	
Channel	Frequency(MHz)	Channel	Frequency(MHz)
661	1880	661	1880
<p>Ref 20 dBm Att 30 dB RBW 10 kHz Marker 1 [T1] -27.29 dBm VSW 3 MHz SWF 300 ms 150.000000000 kHz</p> <p>Offset 5.0 dB</p> <p>D1 -33 dBm</p> <p>Start 150 kHz 2.985 MHz/ Stop 30 MHz</p> <p>Date: 24.JUL.2019 18:04:44</p>		<p>Ref 20 dBm Att 30 dB RBW 1 MHz Marker 1 [T1] -27.14 dBm VSW 3 MHz SWF 400 ms 109.880000000 MHz</p> <p>Offset 5.0 dB</p> <p>D1 -13 dBm</p> <p>Start 30 MHz 1.997 GHz/ Stop 20 GHz</p> <p>Date: 31.JUL.2019 17:35:45</p>	

WCDMA Band II			
Channel	Frequency(MHz)	Channel	Frequency(MHz)
9400	1880	9400	1880
<p>Date: 24.JUL.2019 17:46:05</p>		<p>Date: 24.JUL.2019 18:04:44</p>	
Channel	Frequency(MHz)	-	-
9400	1880	-	-
<p>Date: 1.AUG.2019 15:38:58</p>		-	

LTE Band 2_1.4M			
Channel	Frequency(MHz)	Channel	Frequency(MHz)
18900	1880	18900	1880
<p>Date: 24.JUL.2019 17:46:05</p>		<p>Date: 24.JUL.2019 18:04:44</p>	
Channel	Frequency(MHz)	-	-
18900	1880	-	-
<p>Date: 24.JUL.2019 17:33:35</p>		-	

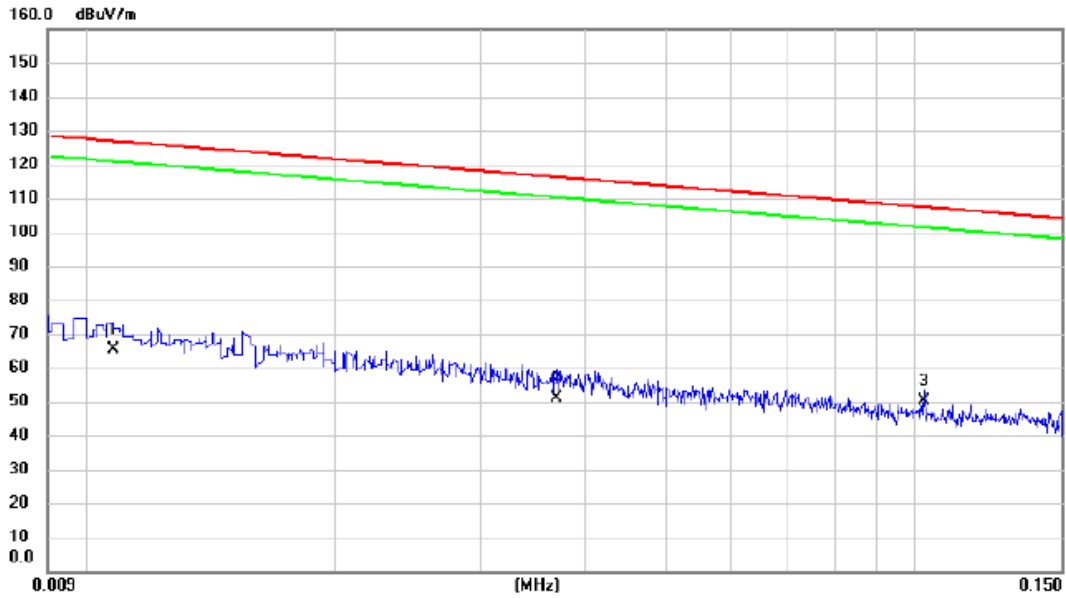
LTE Band 2_5M			
Channel	Frequency(MHz)	Channel	Frequency(MHz)
18900	1880	18900	1880
Channel	Frequency(MHz)	-	-
18900	1880	-	-
		-	

LTE Band 2_20M			
Channel	Frequency(MHz)	Channel	Frequency(MHz)
18900	1880	18900	1880
Channel	Frequency(MHz)	-	-
18900	1880	-	-
		-	

APPENDIX D - RADIATED EMISSION (9KHZ TO 30MHZ)

Test Mode: TX Mode

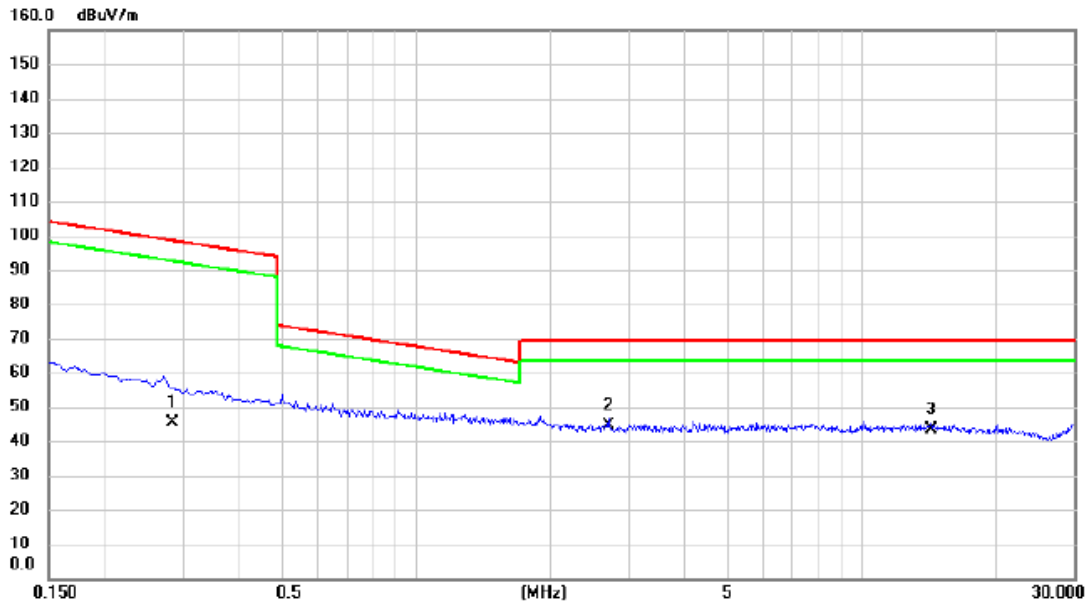
Ant 0°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.0108	-12.70	77.91	65.21	126.94	-61.73	AVG	
2		0.0370	-16.67	67.60	50.93	116.24	-65.31	AVG	
3	*	0.1025	-7.56	57.85	50.29	107.39	-57.10	QP	

Test Mode:	TX Mode
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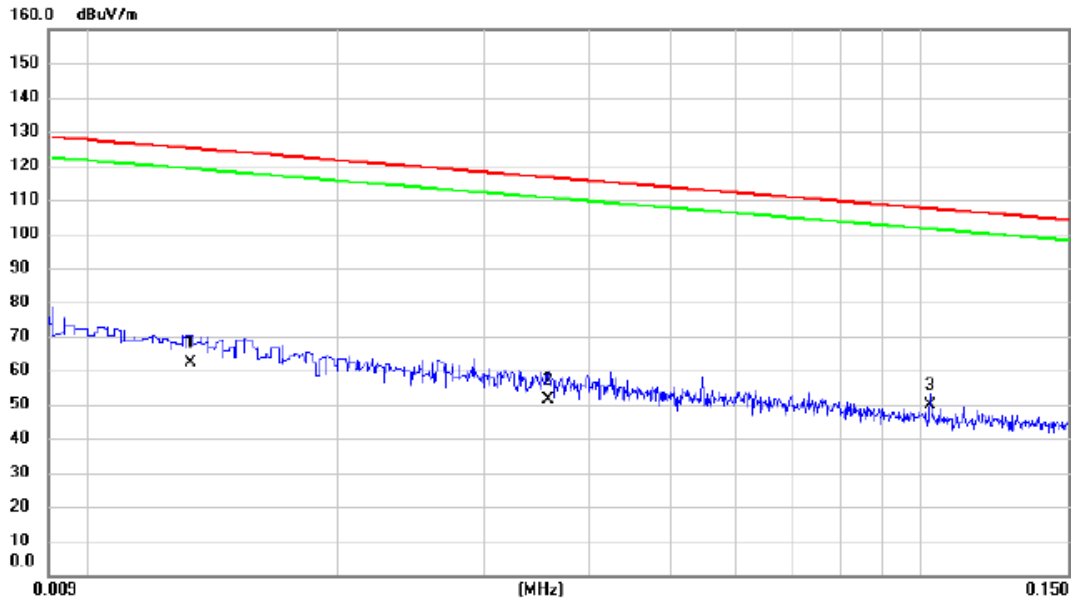
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		0.2850	-3.90	49.21	45.31	98.51	-53.20	AVG	
2	*	2.7015	6.23	38.24	44.47	69.54	-25.07	QP	
3		14.2980	5.35	38.14	43.49	69.54	-26.05	QP	

Test Mode: TX Mode

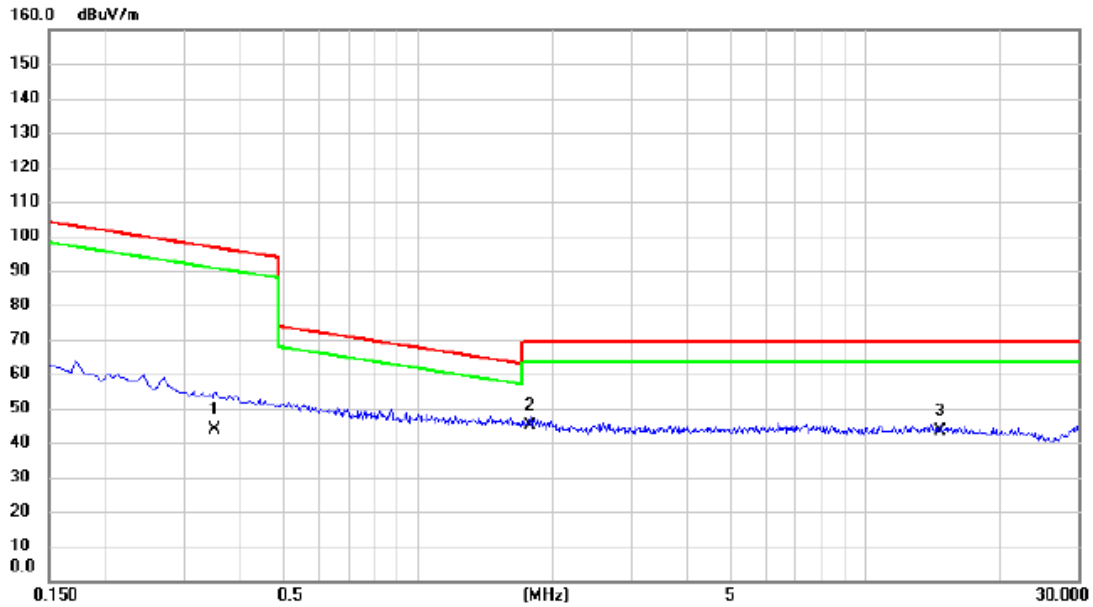
Ant 90°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.0133	-14.30	76.39	62.09	125.13	-63.04	AVG	
2		0.0357	-16.40	67.99	51.59	116.55	-64.96	AVG	
3	*	0.1025	-7.90	57.85	49.95	107.39	-57.44	QP	

Test Mode: TX Mode

Ant 90°

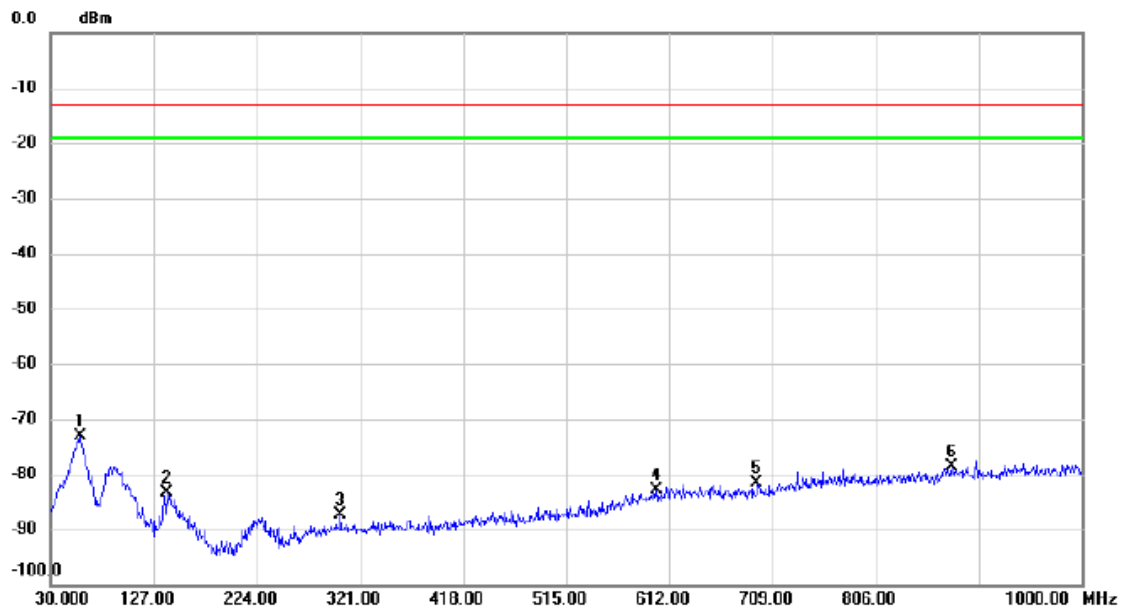


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.3525	-3.80	47.55	43.75	96.66	-52.91	AVG	
2	*	1.7790	5.54	39.33	44.87	69.54	-24.67	QP	
3		14.7930	5.42	38.06	43.48	69.54	-26.06	QP	

APPENDIX E - RADIATED EMISSION (30MHZ TO 1GHZ)

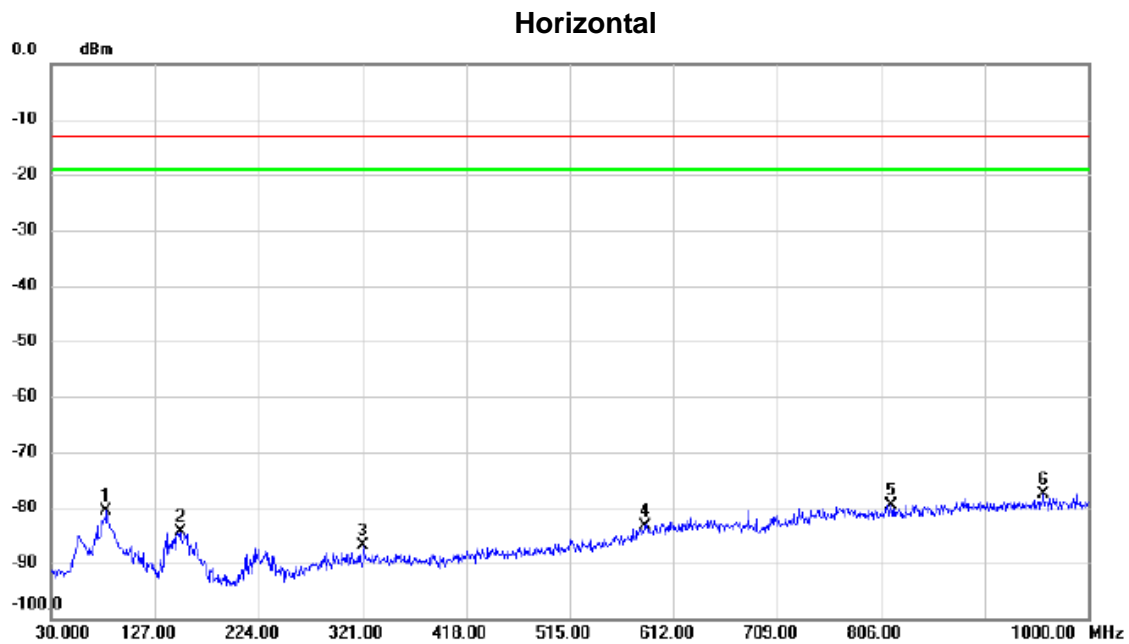
Test Mode: PCS1900_TX CH661_ GPRS

Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	57.1600	-55.68	-17.41	-73.09	-13.00	-60.09	peak	
2		139.6100	-67.64	-15.74	-83.38	-13.00	-70.38	peak	
3		302.5700	-73.15	-14.27	-87.42	-13.00	-74.42	peak	
4		599.3900	-74.10	-8.68	-82.78	-13.00	-69.78	peak	
5		694.4500	-73.13	-8.56	-81.69	-13.00	-68.69	peak	
6		877.7800	-72.96	-5.69	-78.65	-13.00	-65.65	peak	

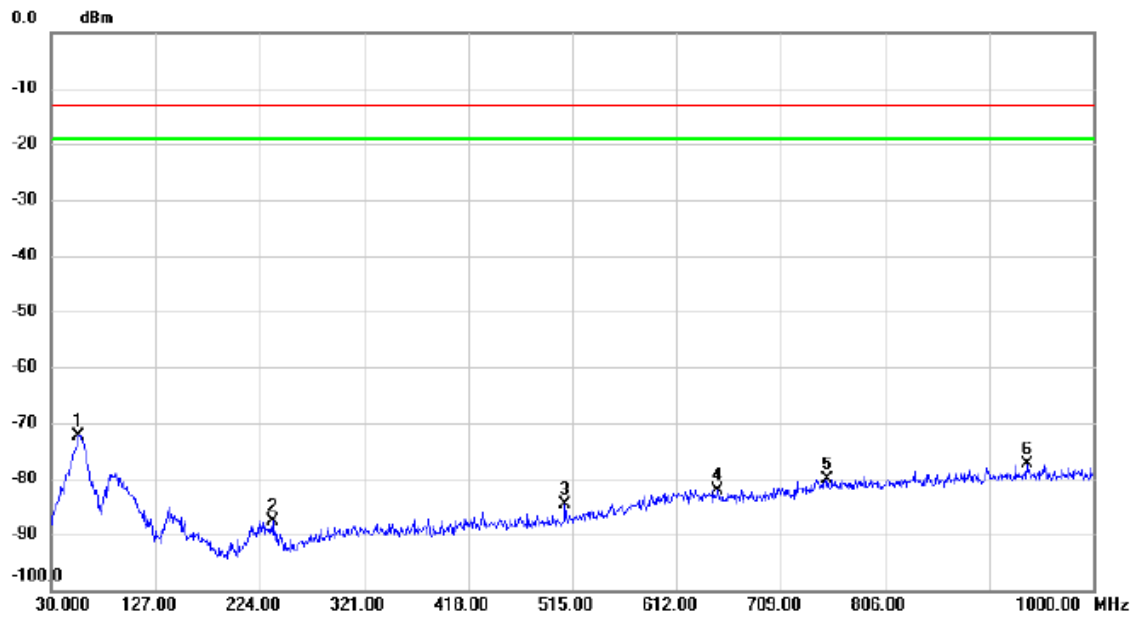
Test Mode:	PCS1900_TX CH661_ GPRS
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No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	81.4100	-60.40	-20.32	-80.72	-13.00	-67.72	peak	
2	150.2800	-69.65	-14.81	-84.46	-13.00	-71.46	peak	
3	321.9700	-72.84	-13.98	-86.82	-13.00	-73.82	peak	
4	584.8400	-73.98	-9.43	-83.41	-13.00	-70.41	peak	
5	815.7000	-73.19	-6.32	-79.51	-13.00	-66.51	peak	
6 *	958.2900	-72.58	-5.10	-77.68	-13.00	-64.68	peak	

Test Mode: PCS1900_TX CH661_EDGE

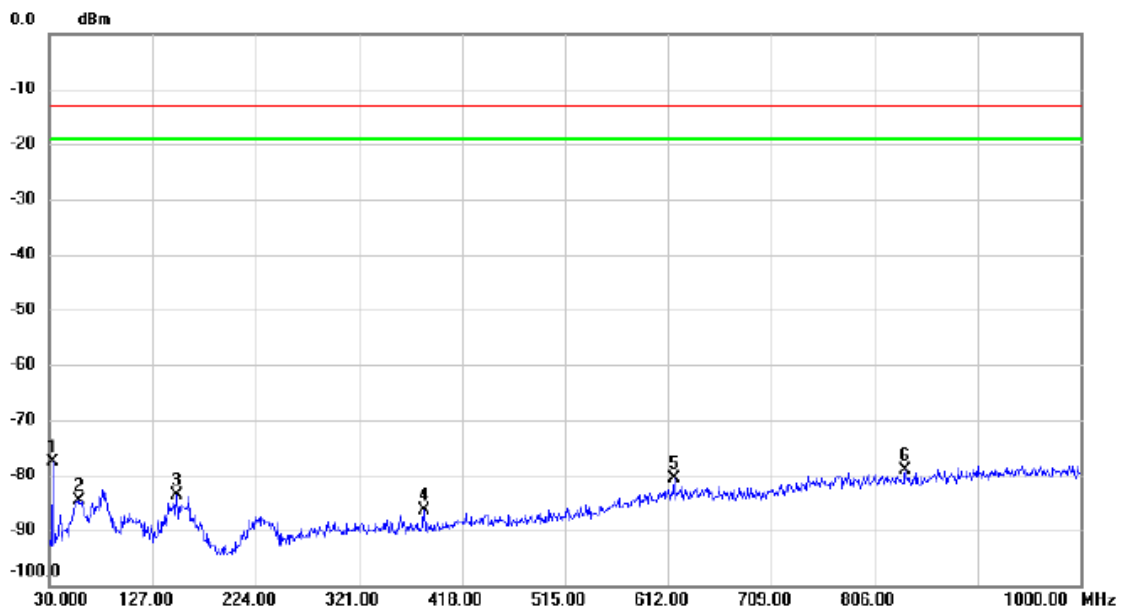
Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	55.2200	-55.01	-17.30	-72.31	-13.00	-59.31	peak	
2		236.6100	-70.49	-17.07	-87.56	-13.00	-74.56	peak	
3		508.2100	-72.34	-12.40	-84.74	-13.00	-71.74	peak	
4		650.8000	-73.54	-8.51	-82.05	-13.00	-69.05	peak	
5		751.6800	-73.41	-6.66	-80.07	-13.00	-67.07	peak	
6		937.9200	-72.19	-5.20	-77.39	-13.00	-64.39	peak	

Test Mode:	PCS1900_TX CH661_EDGE
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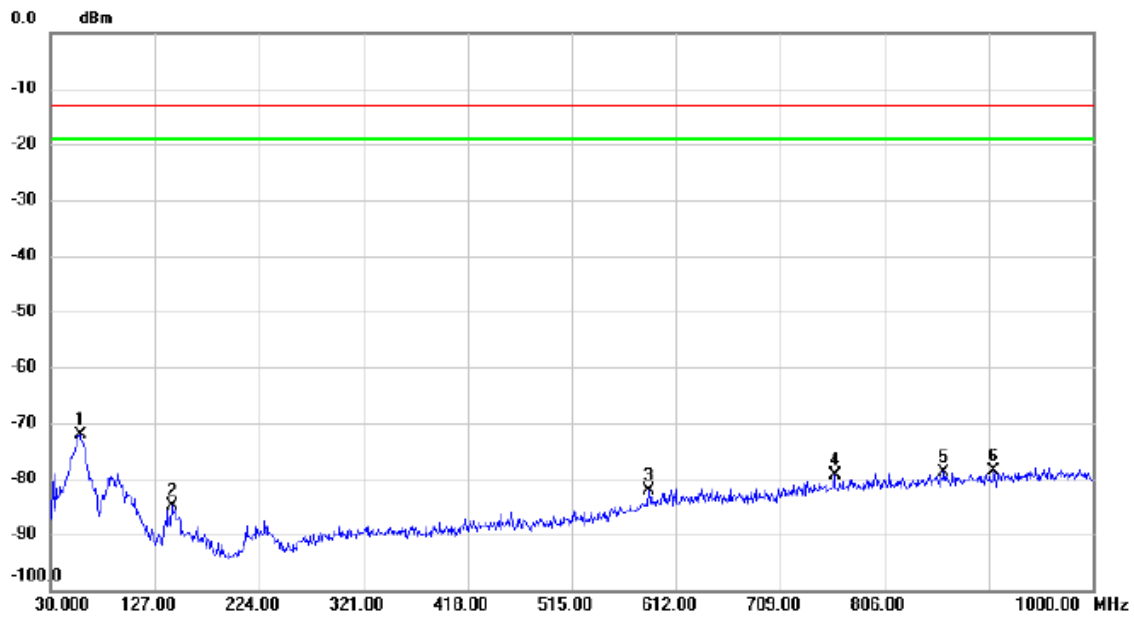
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	32.9100	-60.28	-17.29	-77.57	-13.00	-64.57	peak	
2		58.1300	-67.20	-17.47	-84.67	-13.00	-71.67	peak	
3		149.3100	-68.76	-14.87	-83.63	-13.00	-70.63	peak	
4		382.1100	-72.52	-13.93	-86.45	-13.00	-73.45	peak	
5		617.8200	-72.02	-8.59	-80.61	-13.00	-67.61	peak	
6		835.1000	-73.00	-6.16	-79.16	-13.00	-66.16	peak	

Test Mode: WCDMA Band II_TX Mode

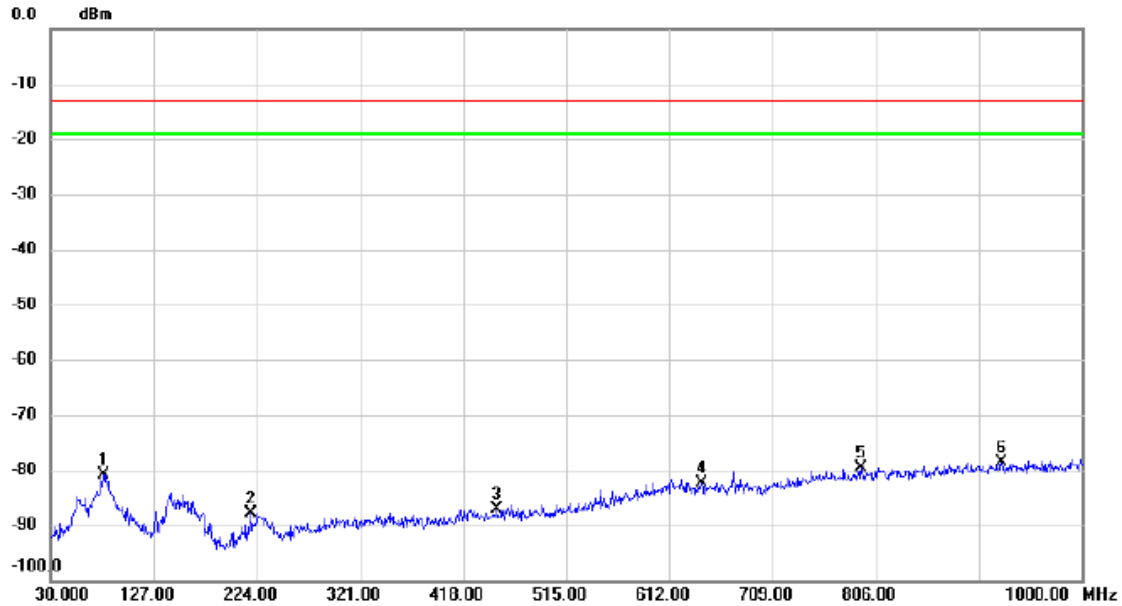
Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	57.1600	-54.78	-17.41	-72.19	-13.00	-59.19	peak	
2		142.5200	-69.33	-15.46	-84.79	-13.00	-71.79	peak	
3		586.7800	-72.79	-9.33	-82.12	-13.00	-69.12	peak	
4		759.4400	-72.85	-6.63	-79.48	-13.00	-66.48	peak	
5		861.2900	-72.86	-5.89	-78.75	-13.00	-65.75	peak	
6		907.8500	-73.21	-5.36	-78.57	-13.00	-65.57	peak	

Test Mode:	WCDMA Band II_TX Mode
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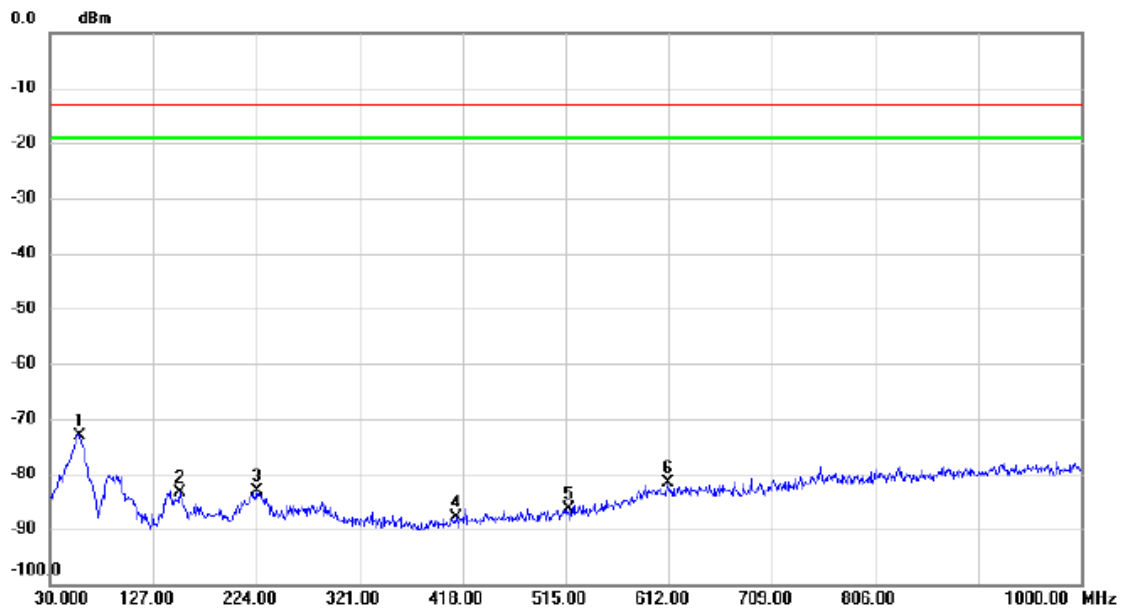
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		79.4700	-60.52	-20.29	-80.81	-13.00	-67.81	peak	
2		218.1800	-69.78	-18.03	-87.81	-13.00	-74.81	peak	
3		450.0100	-74.24	-12.92	-87.16	-13.00	-74.16	peak	
4		642.0700	-73.73	-8.53	-82.26	-13.00	-69.26	peak	
5		792.4200	-73.16	-6.49	-79.65	-13.00	-66.65	peak	
6	*	924.3400	-73.43	-5.28	-78.71	-13.00	-65.71	peak	

Test Mode:	LTE Band 2_TX CH18900_1.4M
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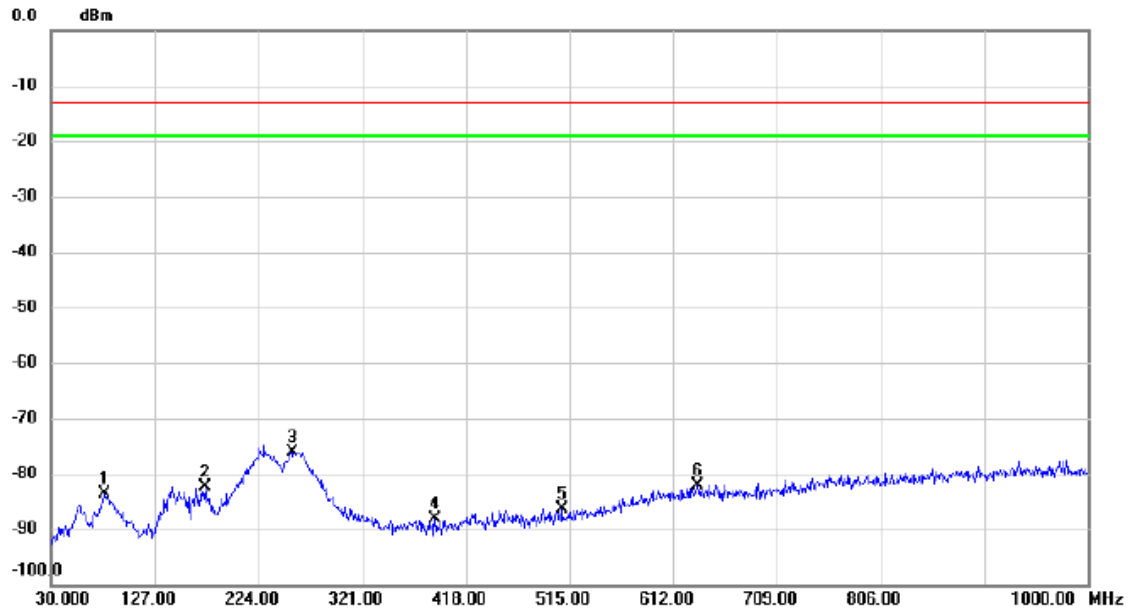
Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	58.1300	-55.77	-17.47	-73.24	-13.00	-60.24	peak	
2		152.2200	-68.53	-14.91	-83.44	-13.00	-70.44	peak	
3		224.9700	-65.44	-17.66	-83.10	-13.00	-70.10	peak	
4		412.1800	-74.58	-13.36	-87.94	-13.00	-74.94	peak	
5		517.9100	-74.24	-12.13	-86.37	-13.00	-73.37	peak	
6		611.0300	-72.97	-8.62	-81.59	-13.00	-68.59	peak	

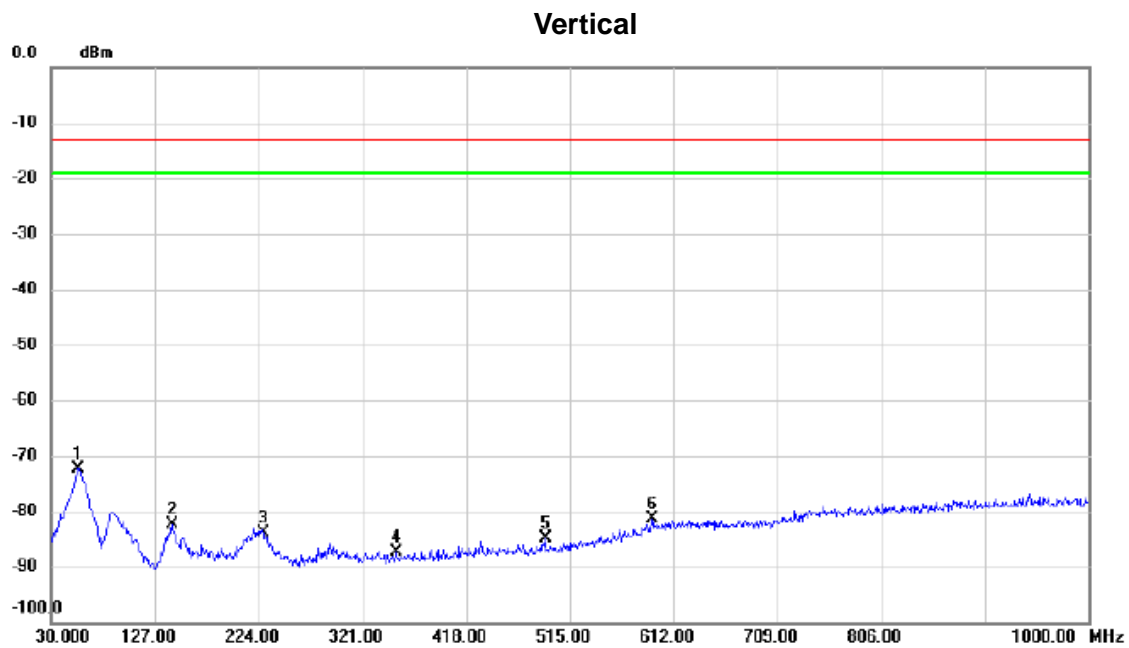
Test Mode:	LTE Band 2_TX CH18900_1.4M
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Horizontal



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	79.4700	-63.35	-20.29	-83.64	-13.00	-70.64	peak	
2	173.5600	-66.21	-16.26	-82.47	-13.00	-69.47	peak	
3 *	256.0100	-59.41	-16.62	-76.03	-13.00	-63.03	peak	
4	388.9000	-74.31	-13.92	-88.23	-13.00	-75.23	peak	
5	507.2400	-73.92	-12.42	-86.34	-13.00	-73.34	peak	
6	634.3100	-73.60	-8.55	-82.15	-13.00	-69.15	peak	

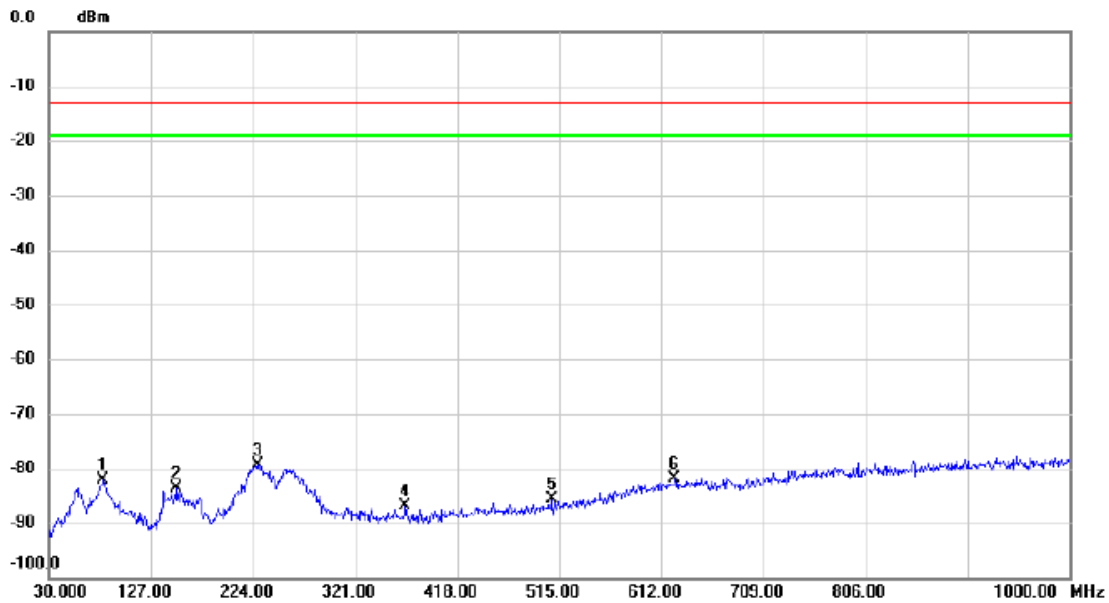
Test Mode:	LTE Band 2_TX CH18900_5M
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No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	55.2200	-54.97	-17.30	-72.27	-13.00	-59.27	peak	
2		142.5200	-66.99	-15.46	-82.45	-13.00	-69.45	peak	
3		227.8800	-66.50	-17.48	-83.98	-13.00	-70.98	peak	
4		352.0400	-73.67	-13.70	-87.37	-13.00	-74.37	peak	
5		491.7200	-72.23	-12.71	-84.94	-13.00	-71.94	peak	
6		591.6300	-72.29	-9.09	-81.38	-13.00	-68.38	peak	

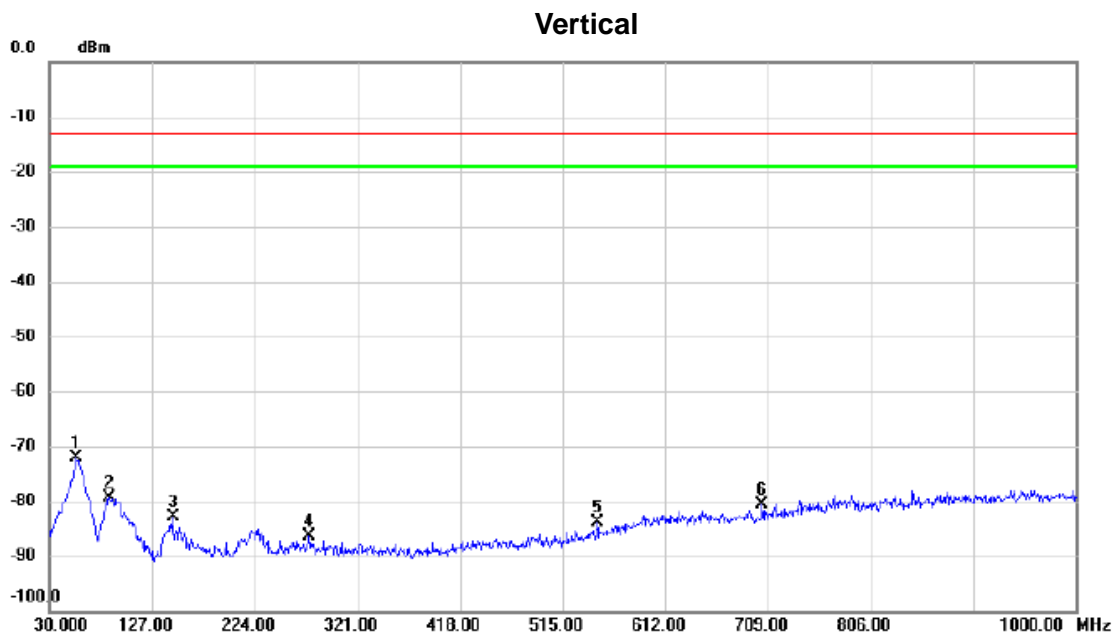
Test Mode:	LTE Band 2_TX CH18900_5M
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Horizontal



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	81.4100	-61.84	-20.32	-82.16	-13.00	-69.16	peak	
2	151.2500	-68.72	-14.86	-83.58	-13.00	-70.58	peak	
3 *	227.8800	-61.98	-17.48	-79.46	-13.00	-66.46	peak	
4	368.5300	-73.08	-13.77	-86.85	-13.00	-73.85	peak	
5	507.2400	-73.10	-12.42	-85.52	-13.00	-72.52	peak	
6	624.6100	-73.25	-8.58	-81.83	-13.00	-68.83	peak	

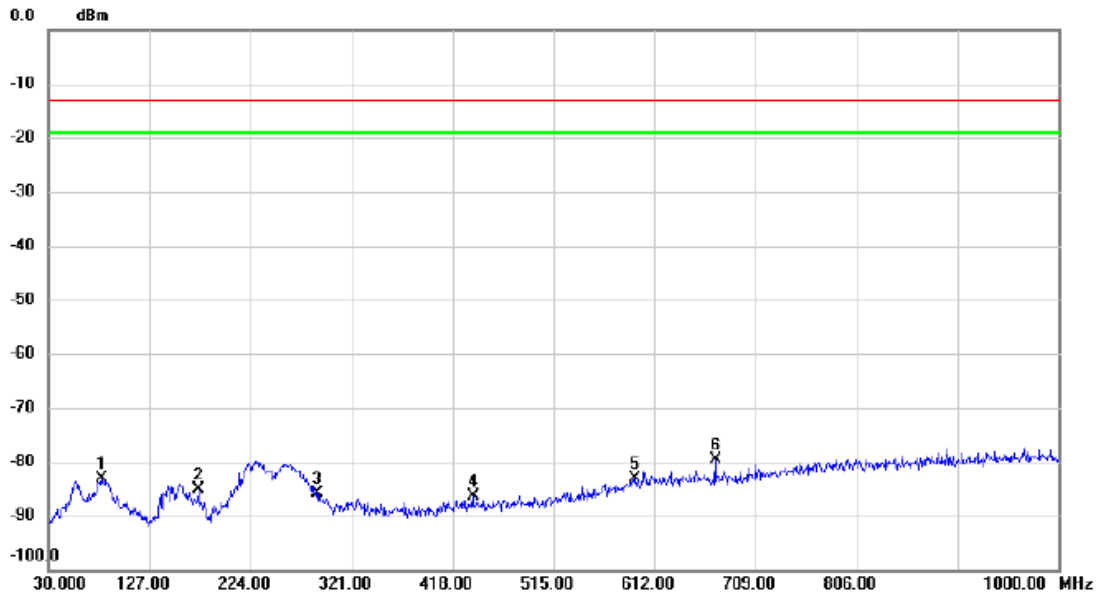
Test Mode:	LTE Band 2_TX CH18900_20M
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No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	55.2200	-54.82	-17.30	-72.12	-13.00	-59.12	peak	
2		86.2600	-58.86	-20.40	-79.26	-13.00	-66.26	peak	
3		146.4000	-67.73	-15.12	-82.85	-13.00	-69.85	peak	
4		275.4100	-70.90	-15.42	-86.32	-13.00	-73.32	peak	
5		547.9800	-72.51	-11.29	-83.80	-13.00	-70.80	peak	
6		703.1800	-72.25	-8.45	-80.70	-13.00	-67.70	peak	

Test Mode:	LTE Band 2_TX CH18900_20M
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Horizontal

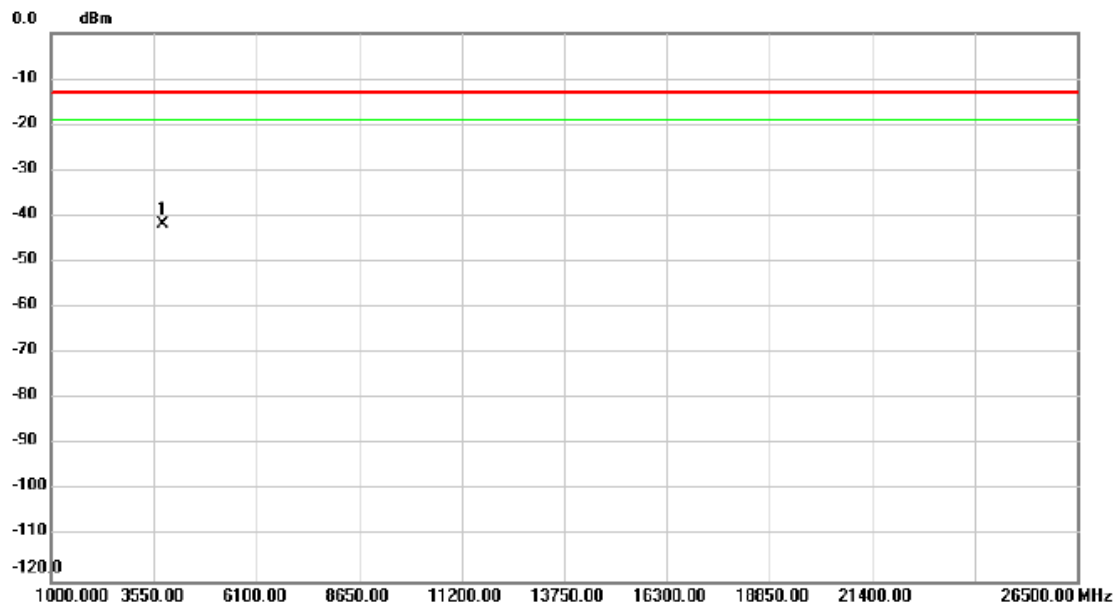


No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		80.4400	-62.71	-20.30	-83.01	-13.00	-70.01	peak	
2		173.5600	-68.93	-16.26	-85.19	-13.00	-72.19	peak	
3		288.0200	-70.92	-14.90	-85.82	-13.00	-72.82	peak	
4		437.4000	-73.48	-12.93	-86.41	-13.00	-73.41	peak	
5		592.6000	-74.03	-9.04	-83.07	-13.00	-70.07	peak	
6	*	670.2000	-71.09	-8.53	-79.62	-13.00	-66.62	peak	

APPENDIX F - RADIATED EMISSION (ABOVE 1GHZ)

Test Mode: PCS1900_TX CH661_ GPRS

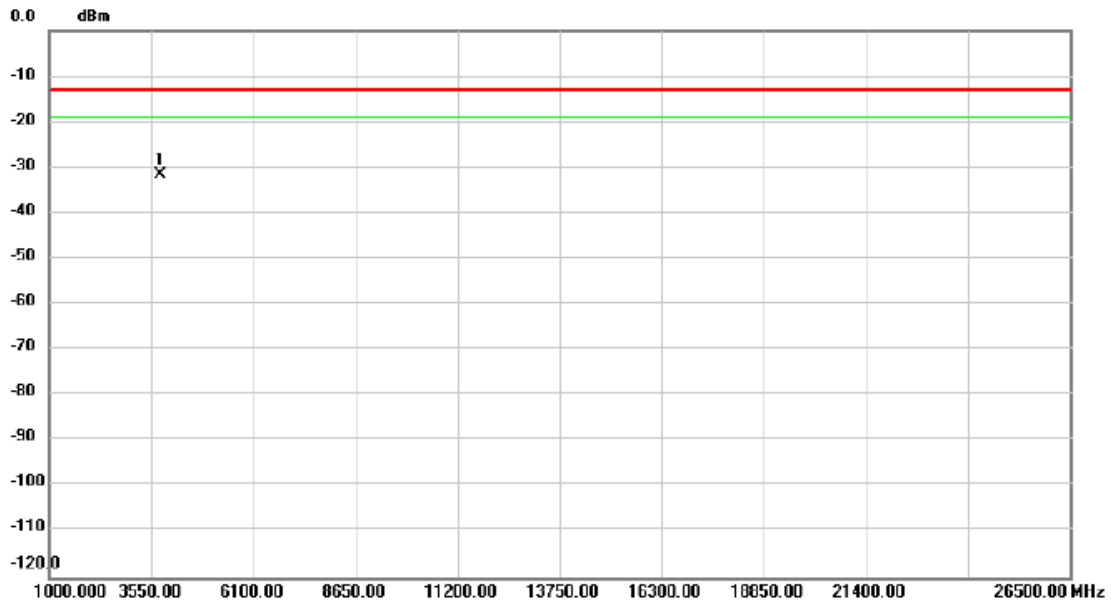
Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	3759.635	-28.66	-13.25	-41.91	-13.00	-28.91	peak	

Test Mode: PCS1900_TX CH661_ GPRS

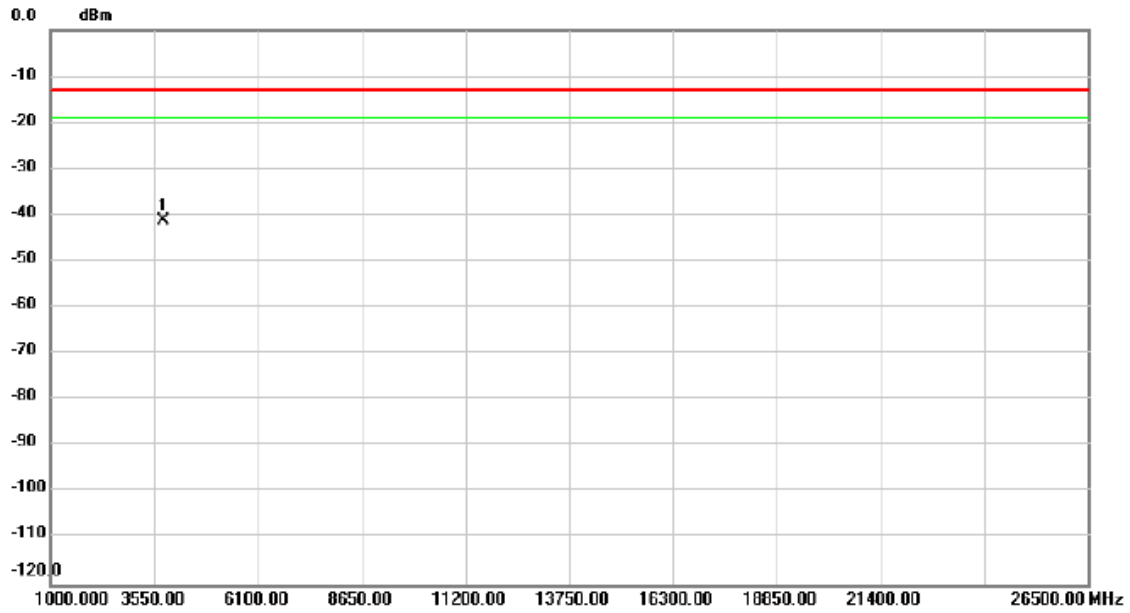
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	3759.570	-18.49	-13.25	-31.74	-13.00	-18.74	peak	

Test Mode: PCS1900_TX CH661_EDGE

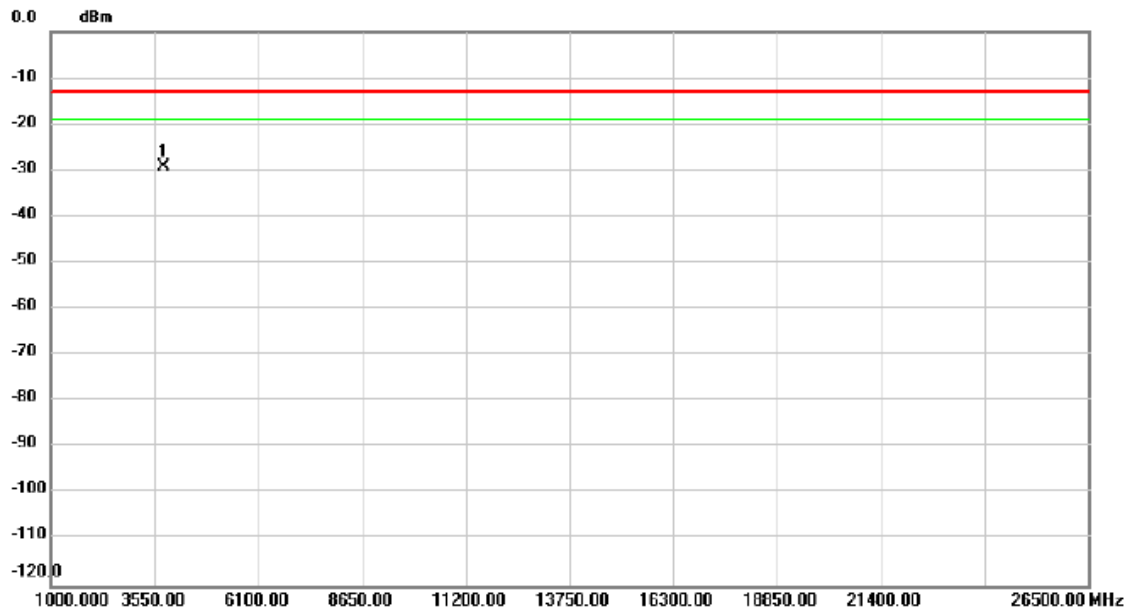
Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	3759.610	-28.03	-13.25	-41.28	-13.00	-28.28	peak	

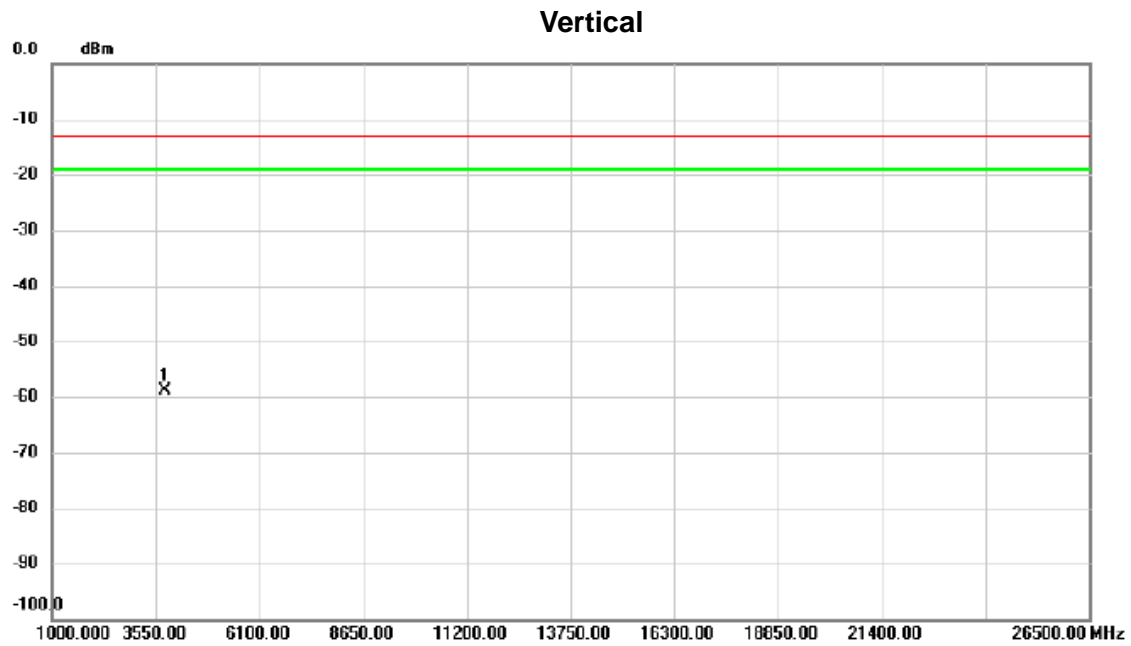
Test Mode: PCS1900_TX CH661_EDGE

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	3759.545	-15.88	-13.25	-29.13	-13.00	-16.13	peak	

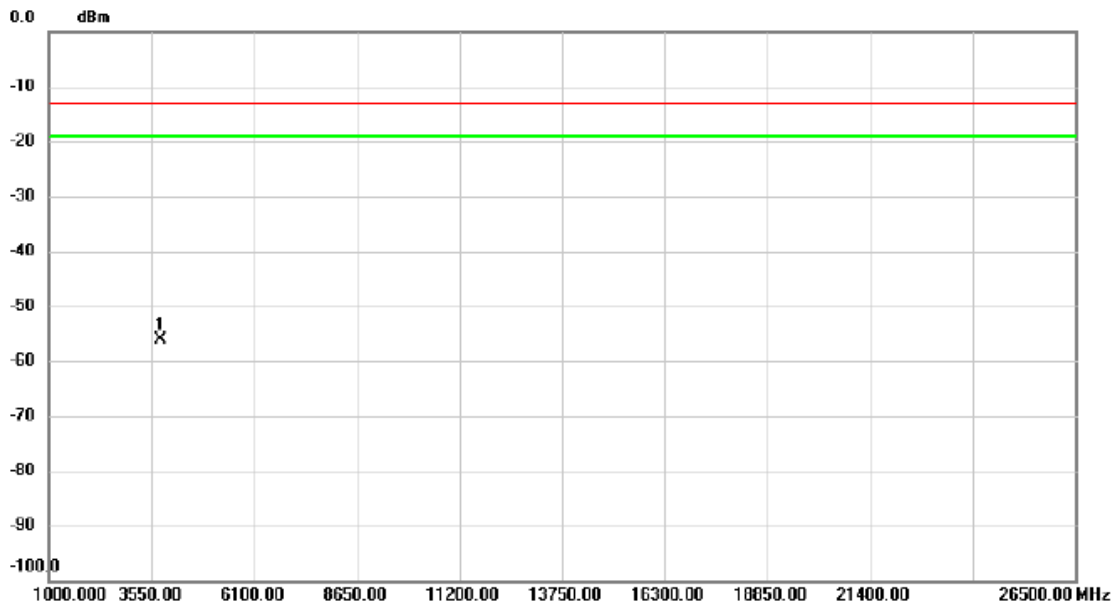
Test Mode:	WCDMA Band II_TX CH9800
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No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	3761.600	-45.55	-13.25	-58.80	-13.00	-45.80	peak	

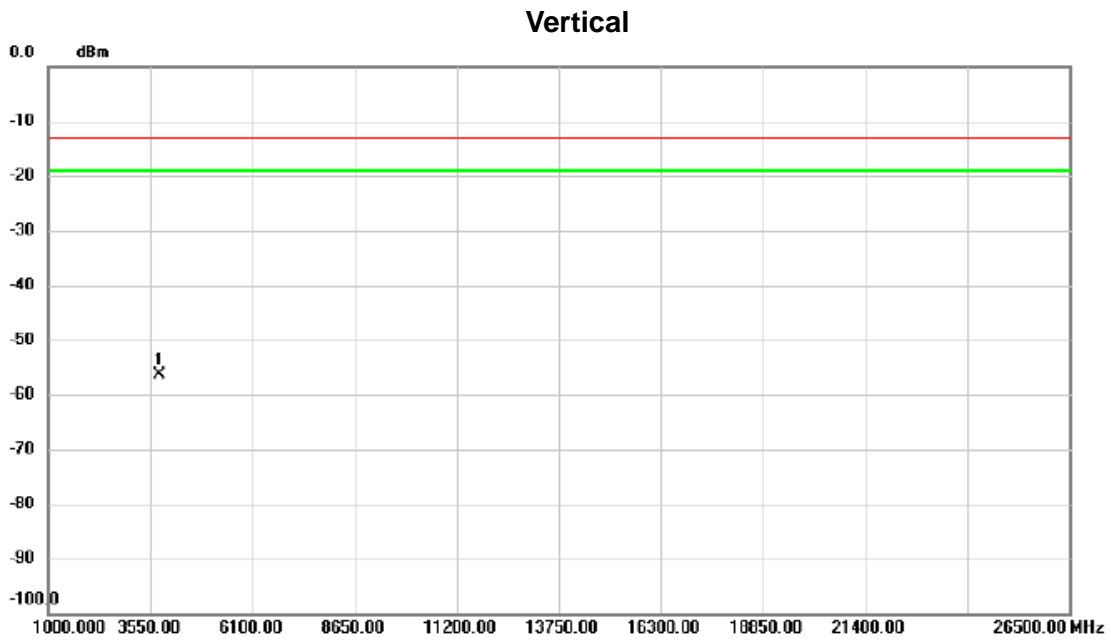
Test Mode: WCDMA Band II_TX CH9800

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	3761.550	-42.95	-13.25	-56.20	-13.00	-43.20	peak	

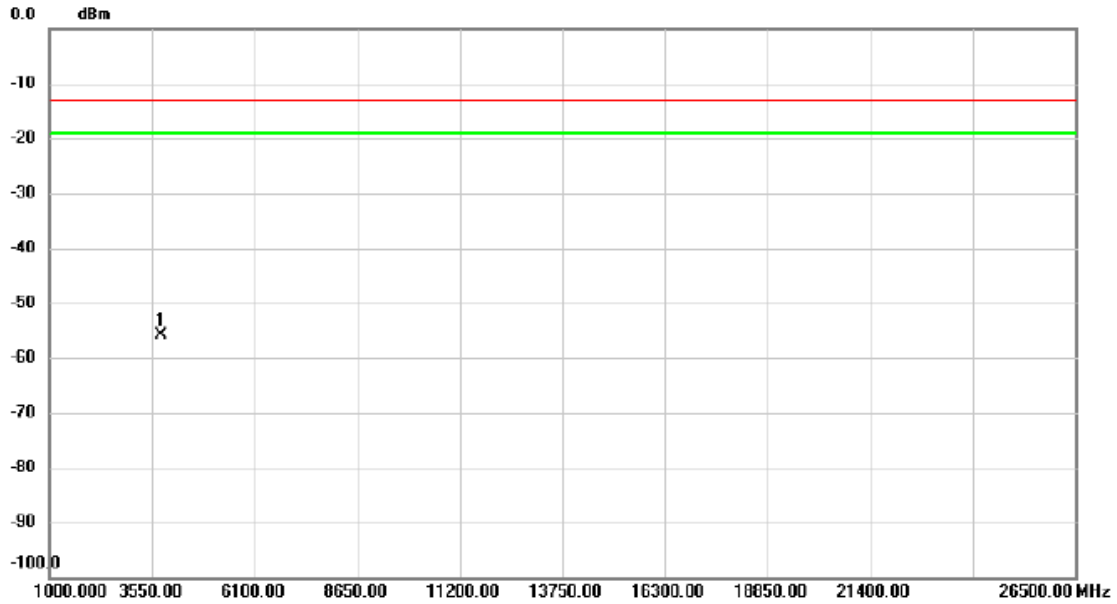
Test Mode: LTE Band 2_TX CH18900_1.4M



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	3759.970	-43.09	-13.25	-56.34	-13.00	-43.34	peak	

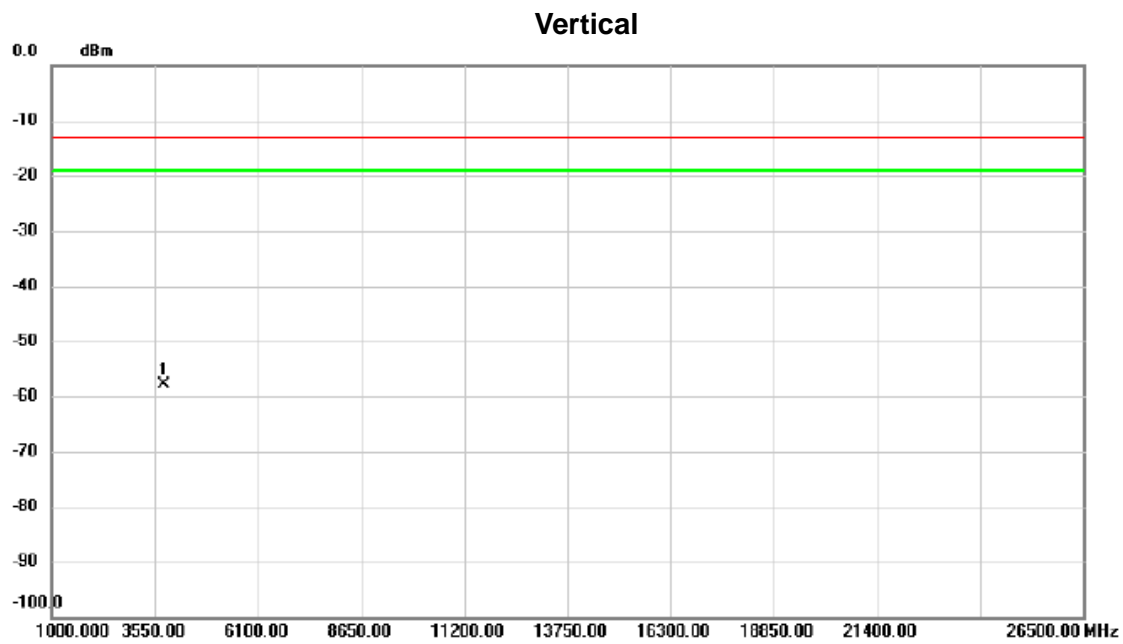
Test Mode: LTE Band 2_TX CH18900_1.4M

Horizontal



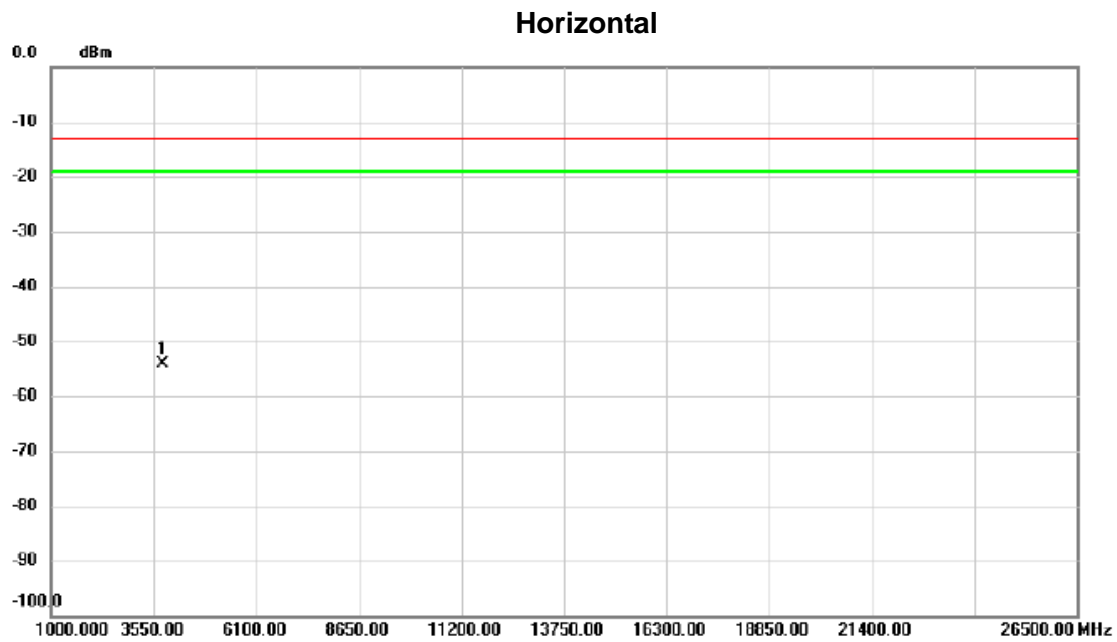
No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	3759.970	-42.67	-13.25	-55.92	-13.00	-42.92	peak	

Test Mode: LTE Band 2_ TX CH18900_5M



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	3759.120	-44.60	-13.26	-57.86	-13.00	-44.86	peak	

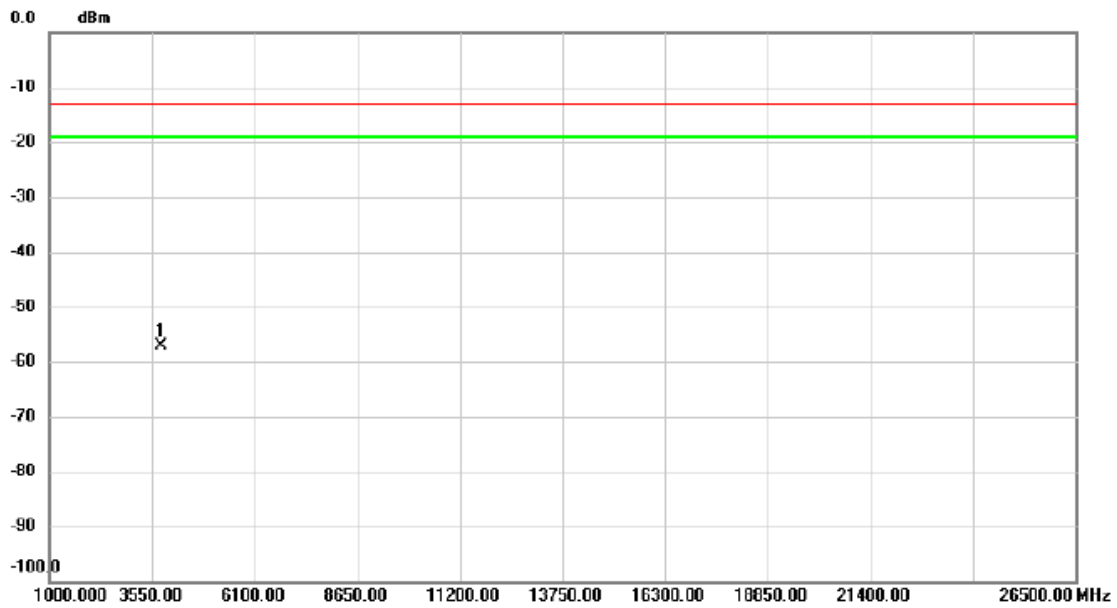
Test Mode:	LTE Band 2_ TX CH18900_5M
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No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	3761.150	-40.90	-13.25	-54.15	-13.00	-41.15	peak	

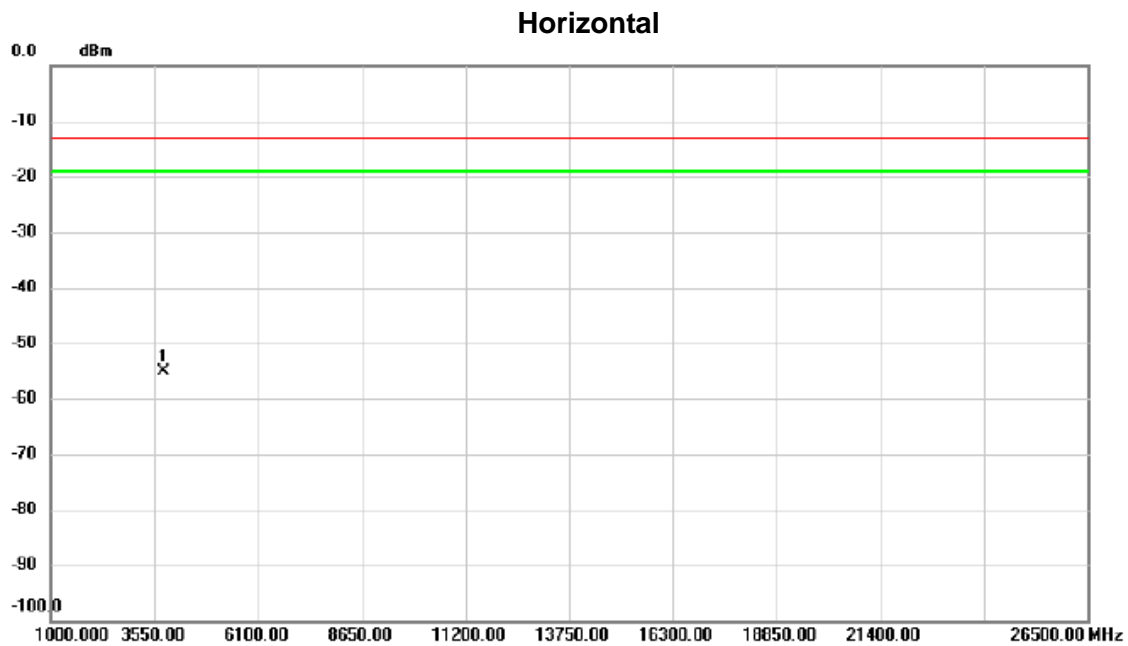
Test Mode: LTE Band 2_TX CH18900_20M

Vertical



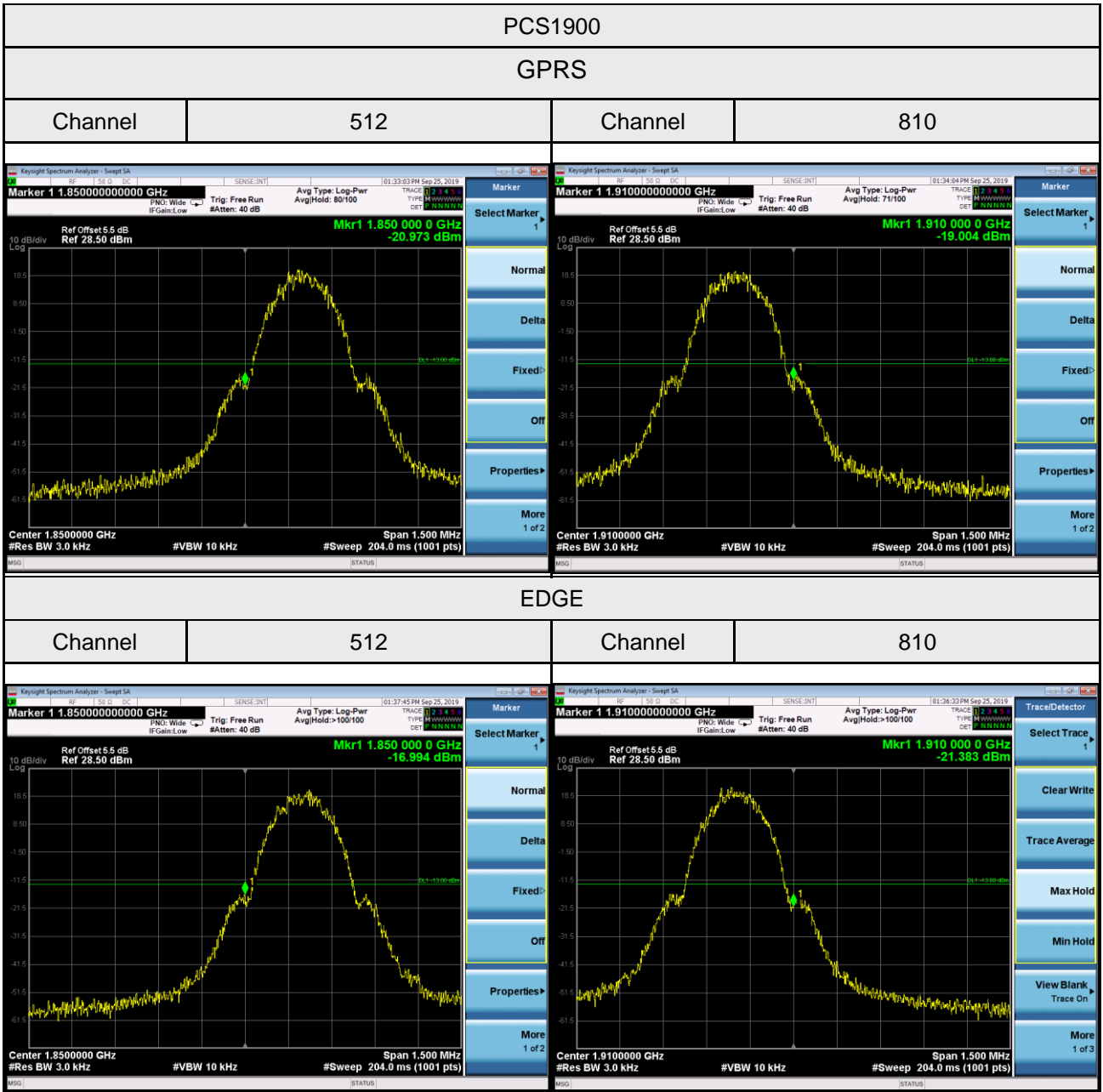
No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	3755.150	-43.85	-13.26	-57.11	-13.00	-44.11	peak	

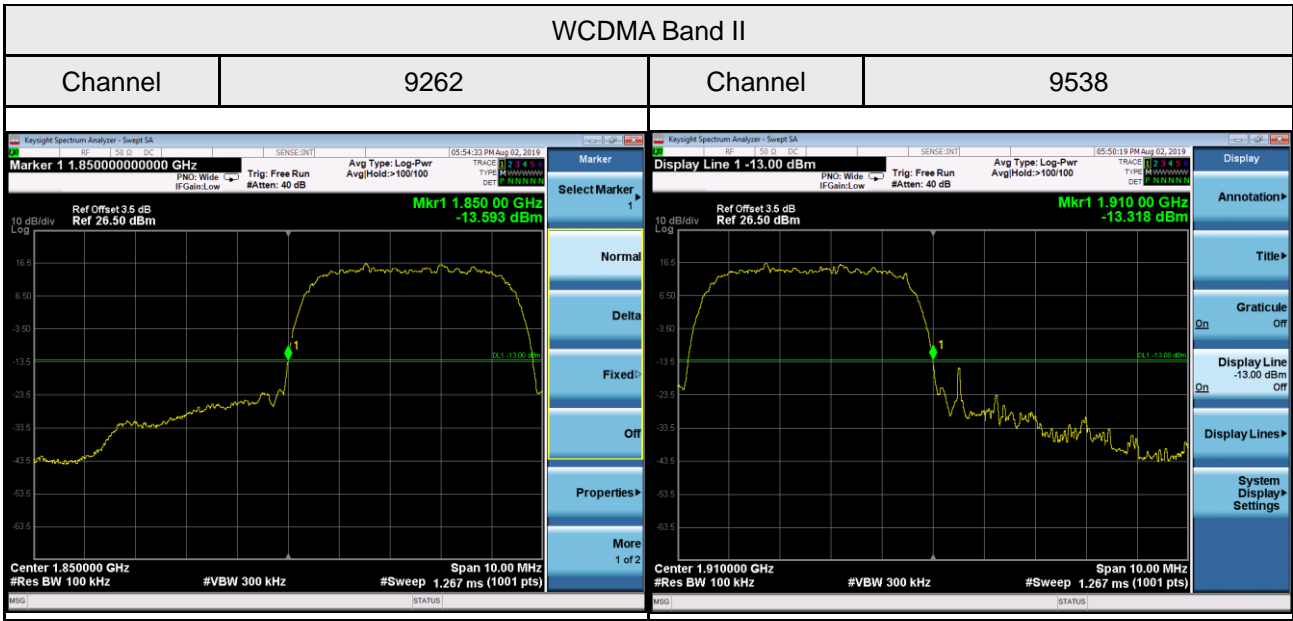
Test Mode: LTE Band 2_TX CH18900_20M

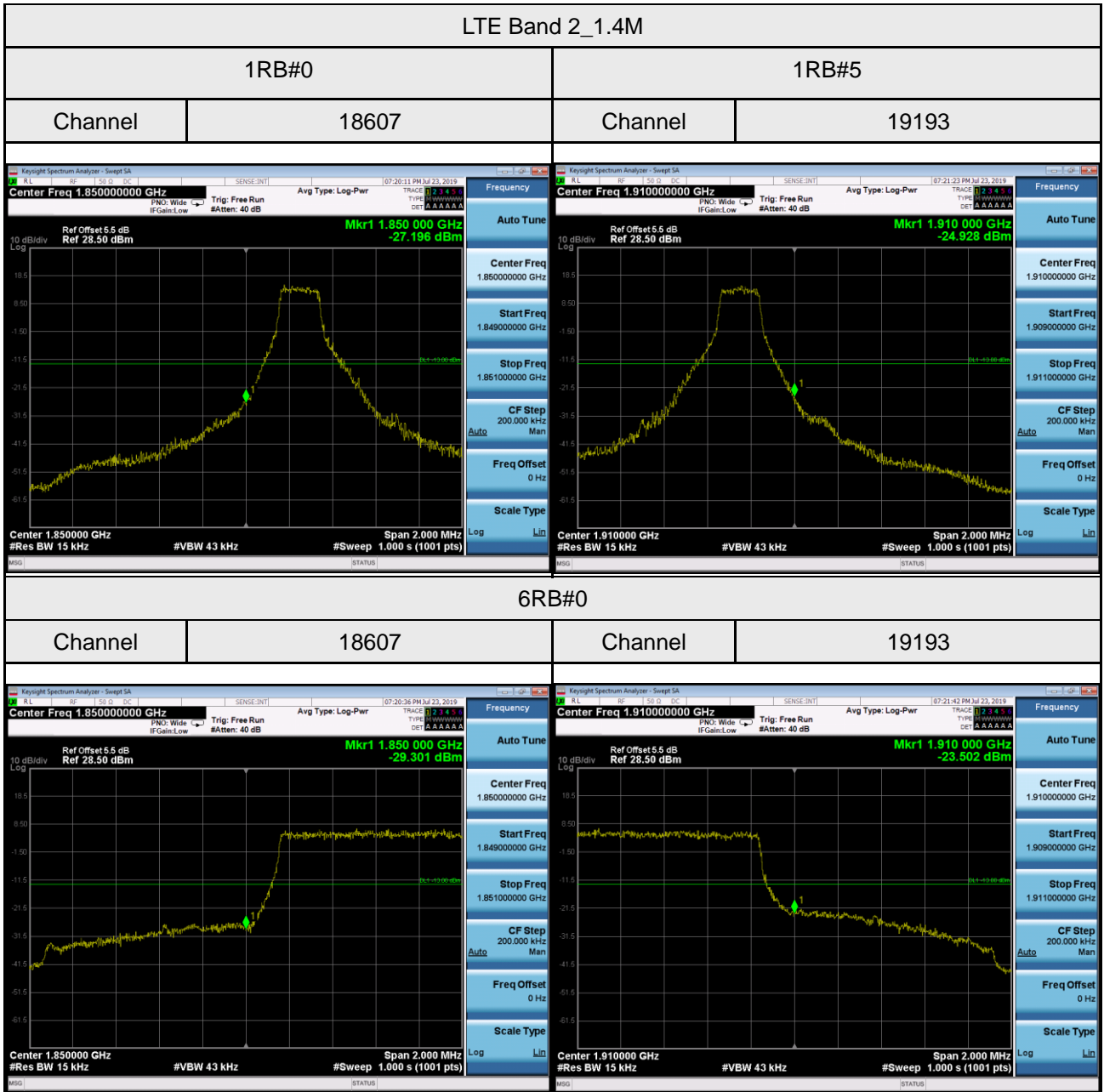


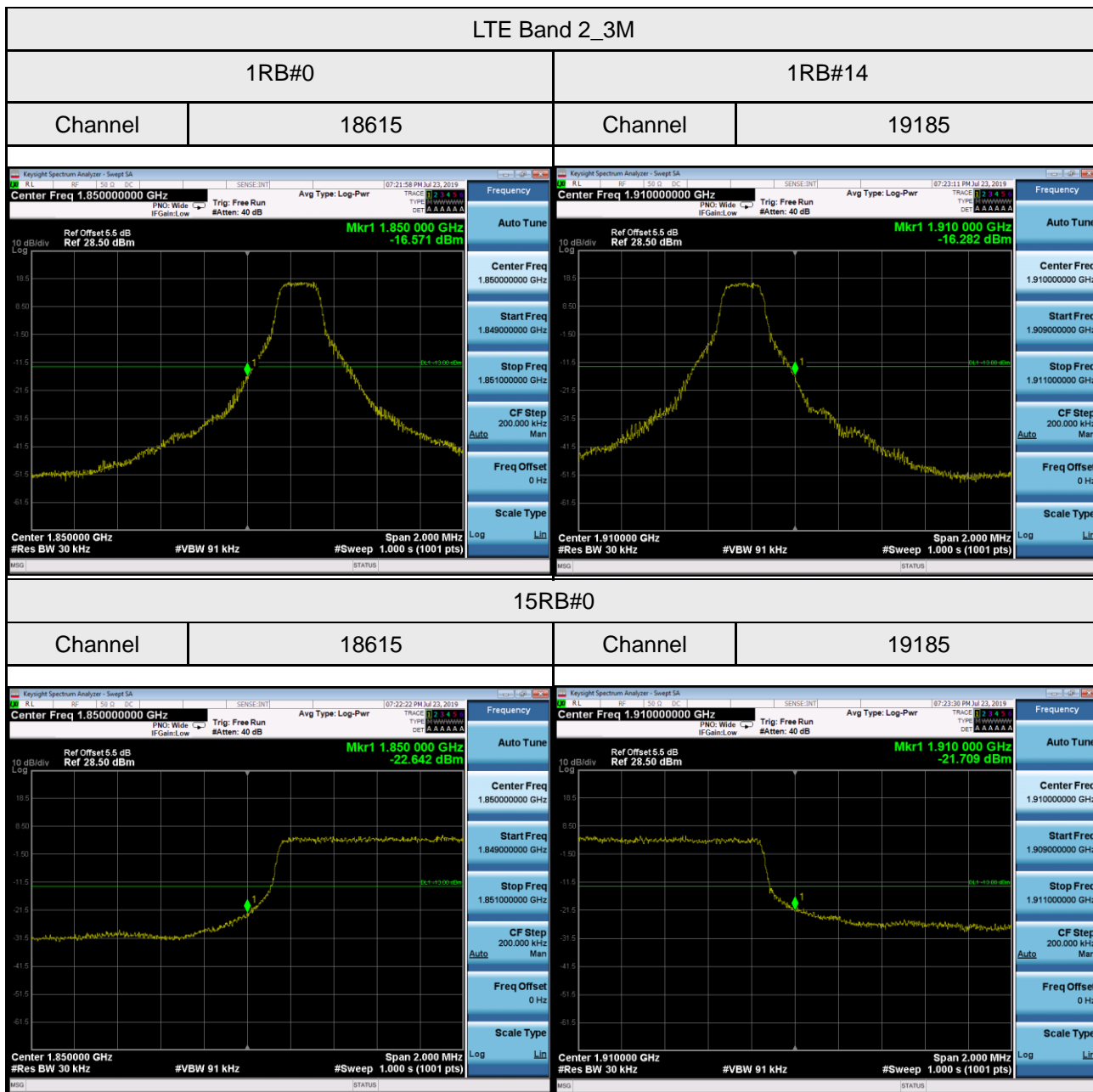
No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	3757.850	-41.96	-13.26	-55.22	-13.00	-42.22	peak	

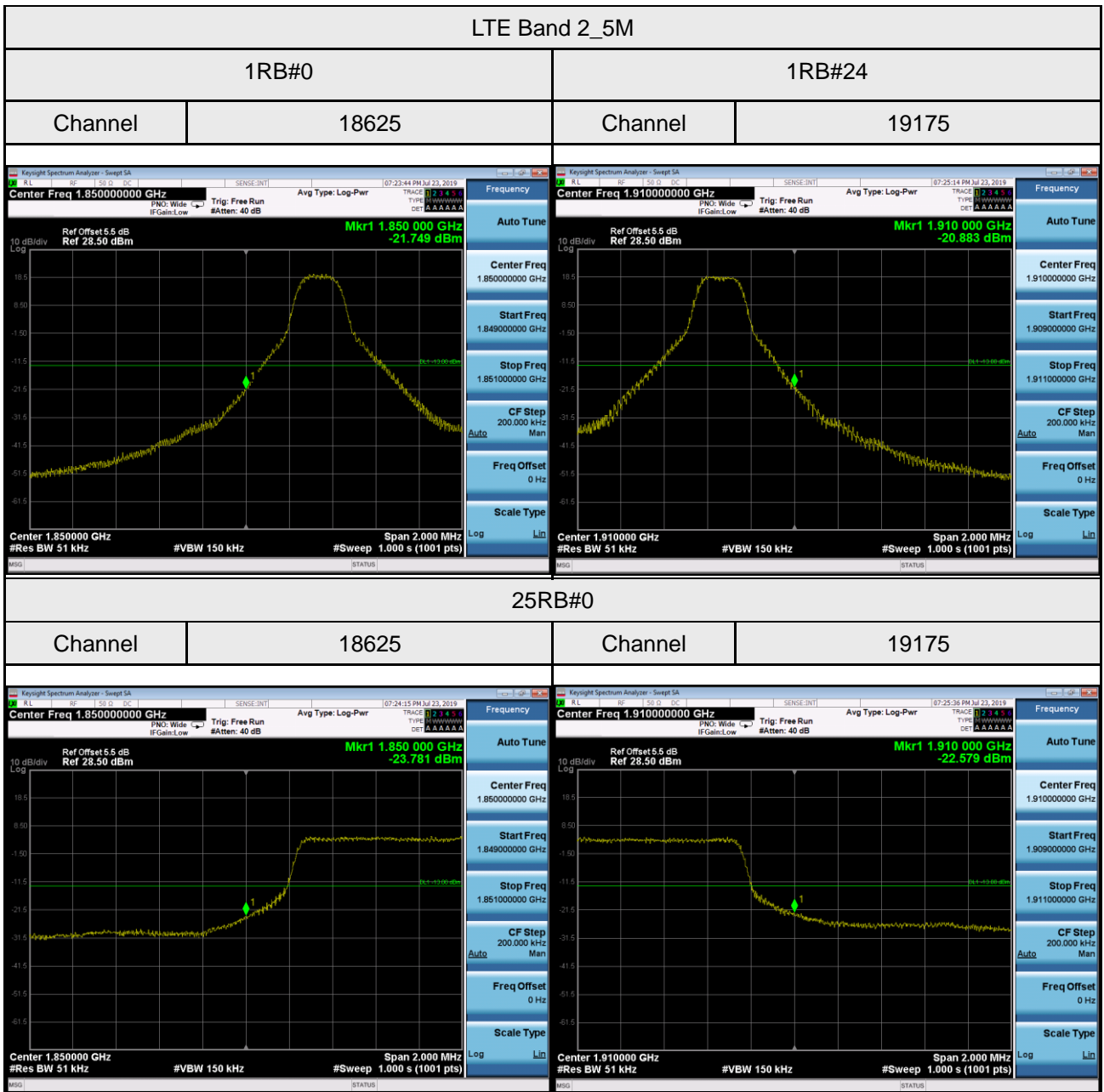
APPENDIX G - BAND EDGE

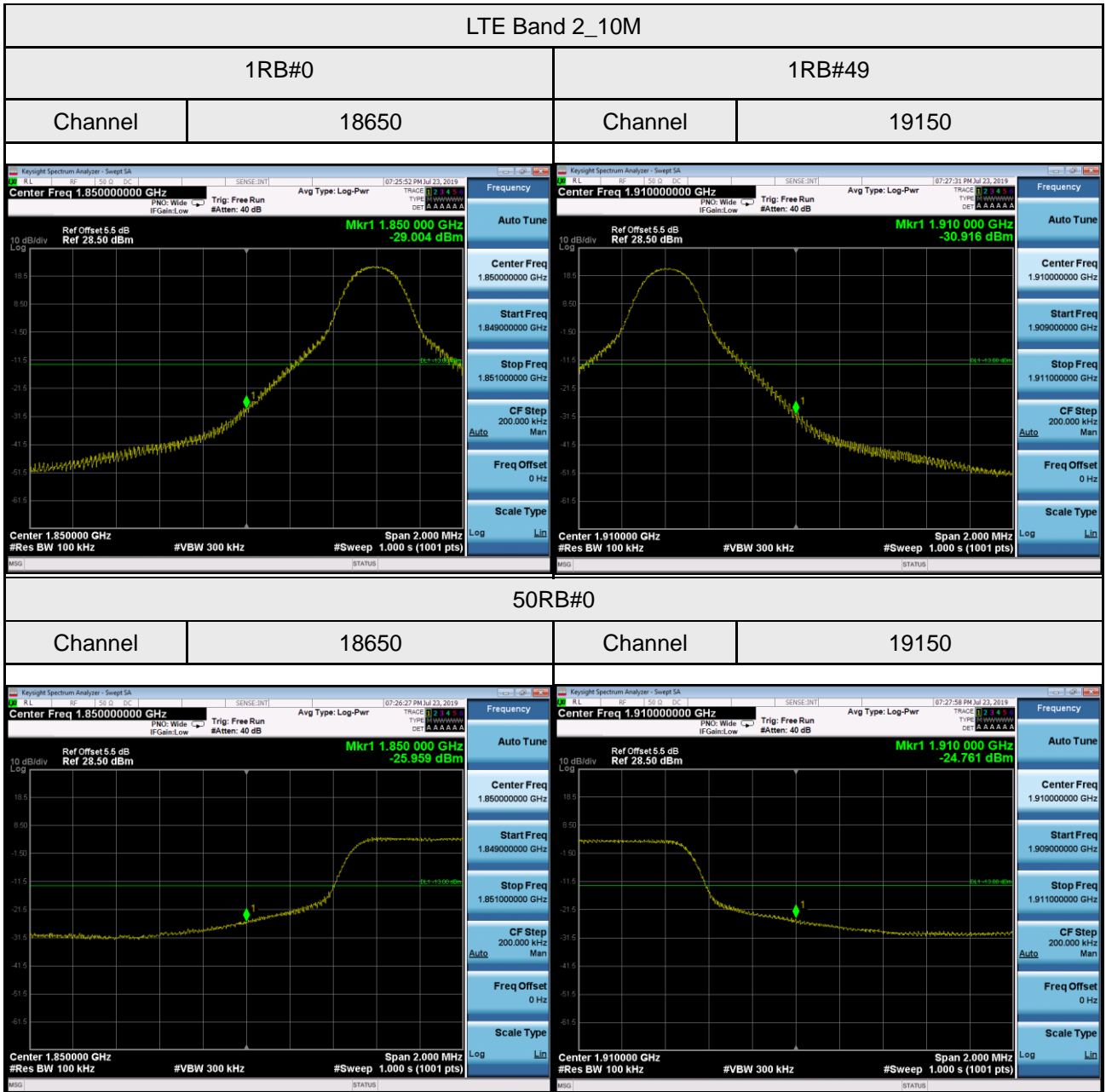


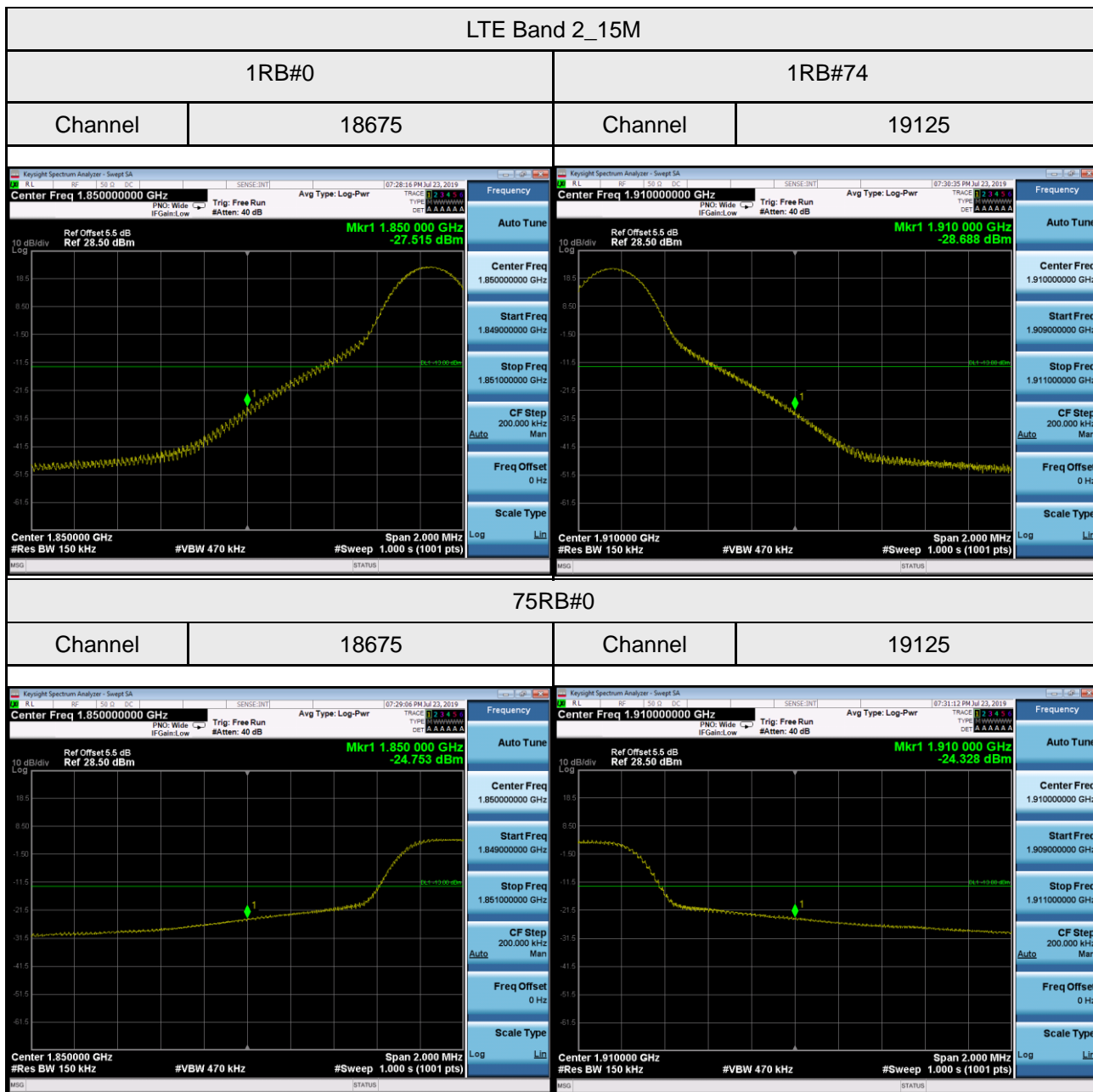


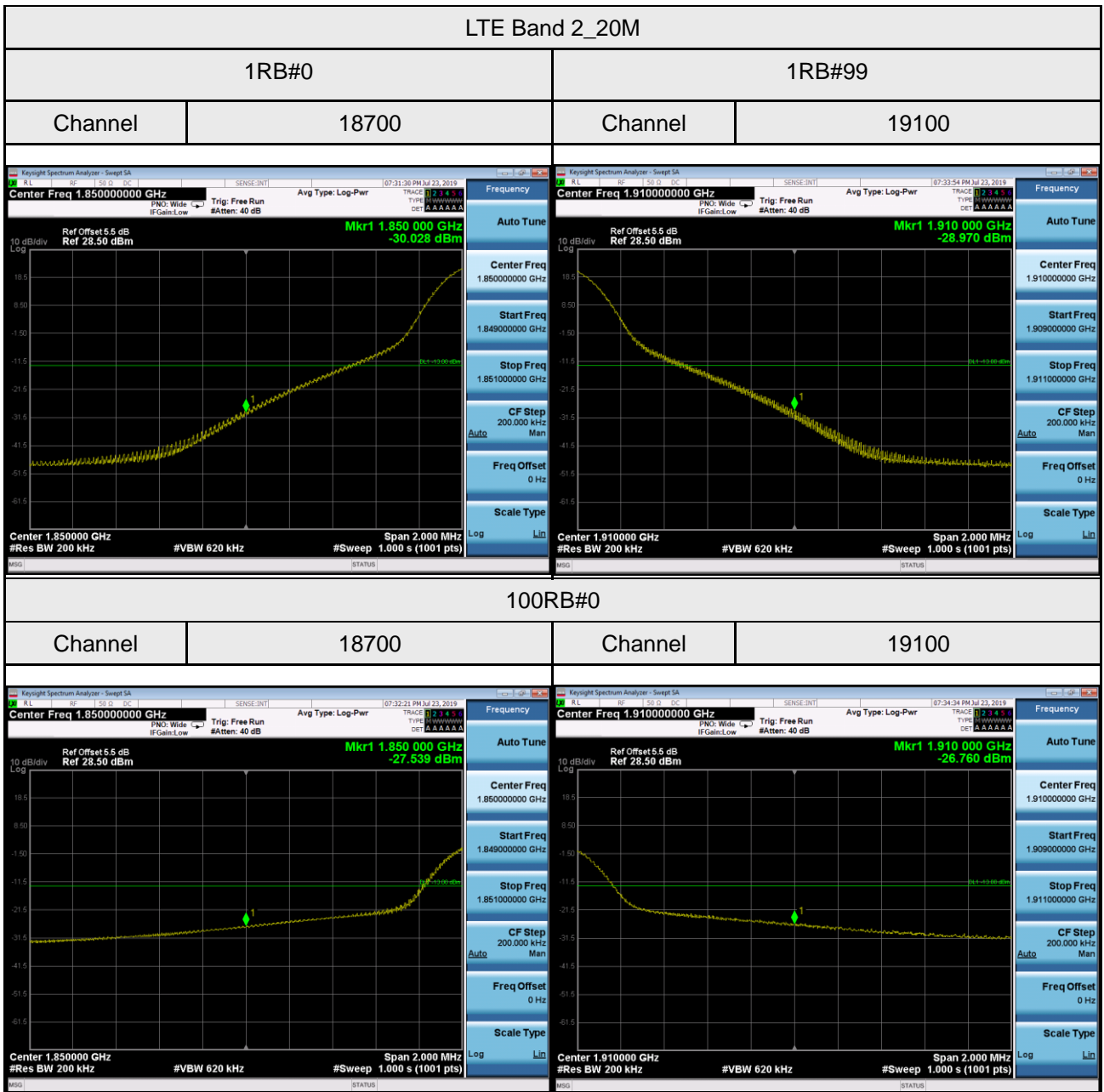






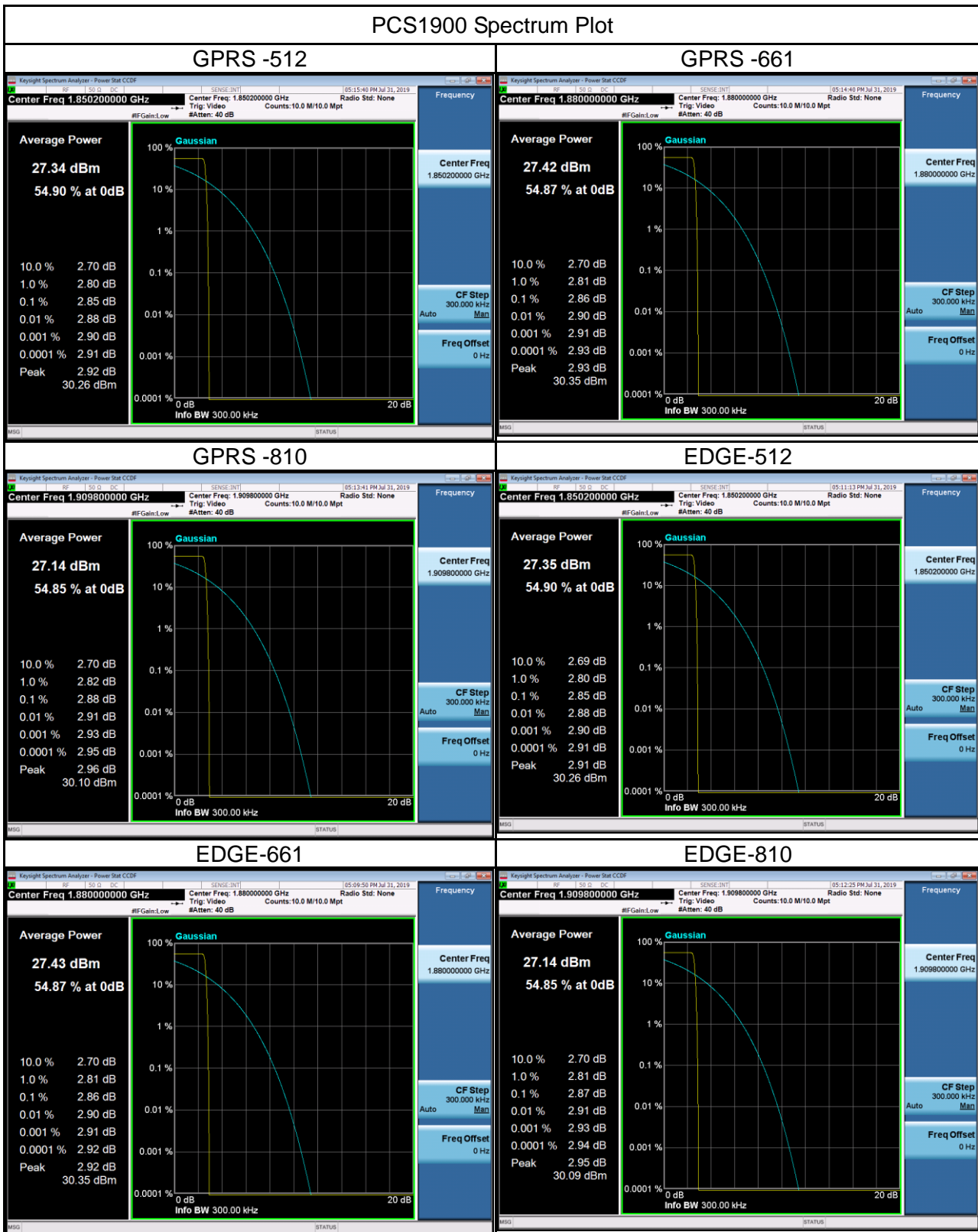




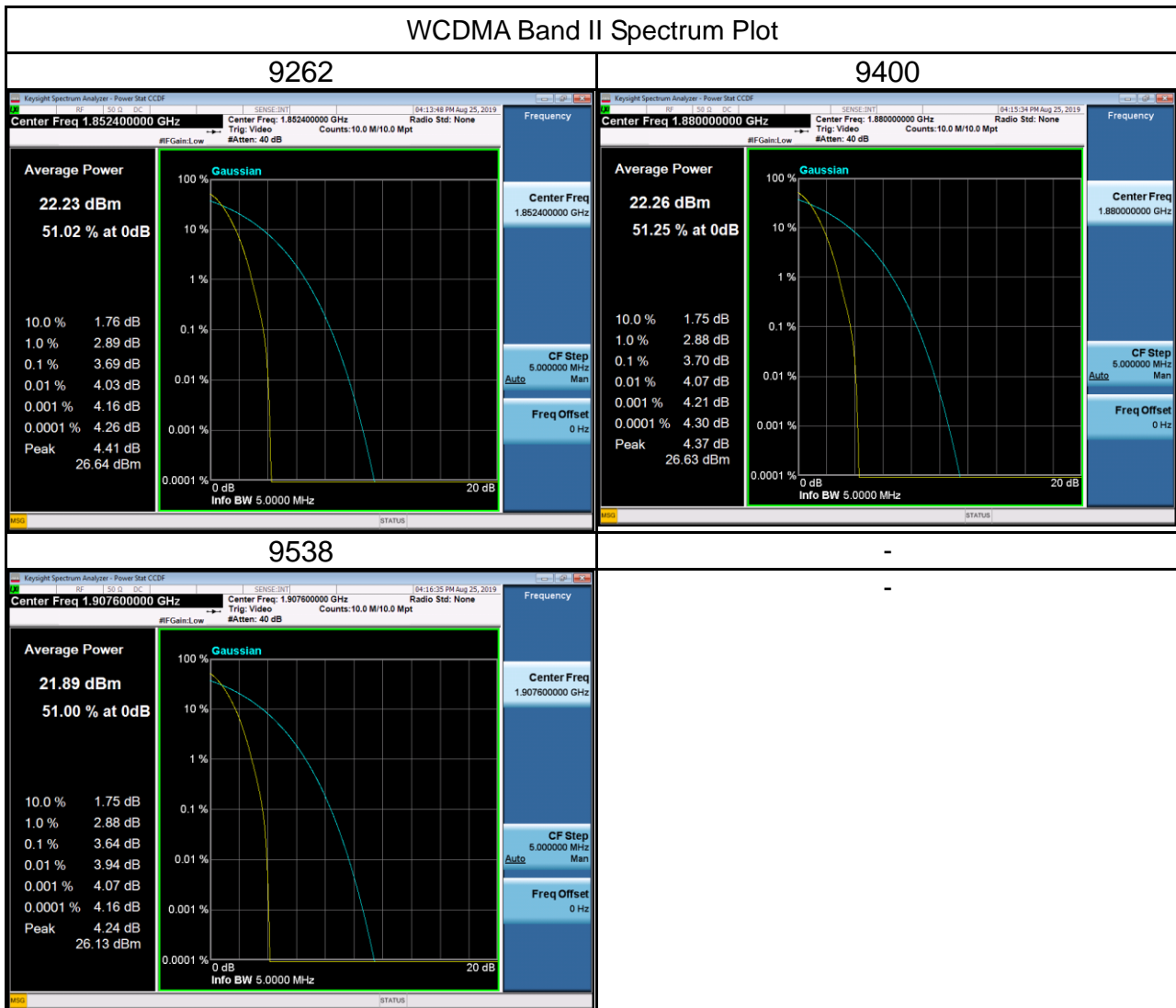


APPENDIX H - PEAK TO AVERAGE RATIO

PCS1900 Spectrum Plot



WCDMA Band II Spectrum Plot



LTE Band 2 Spectrum Plot_1.4M

