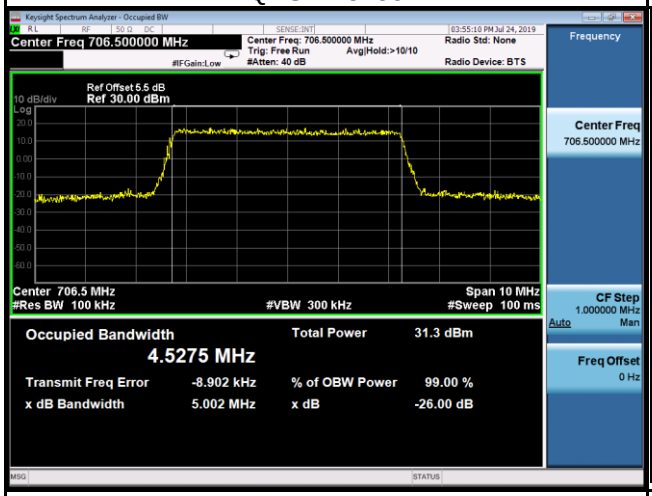
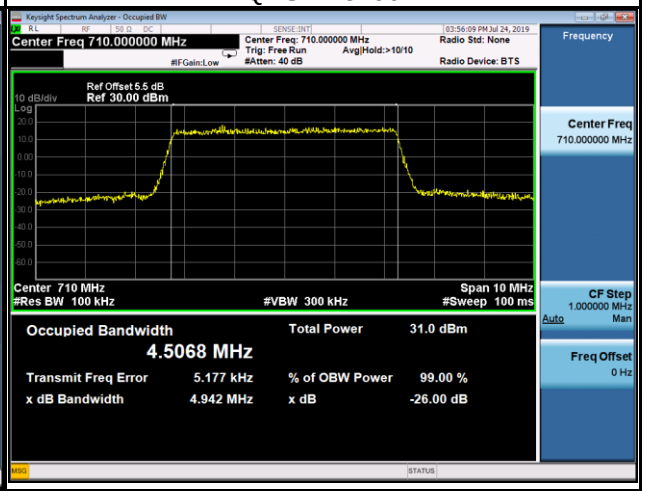
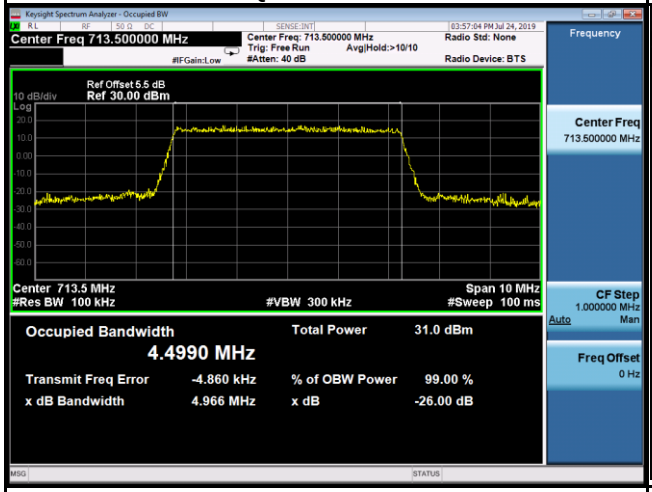
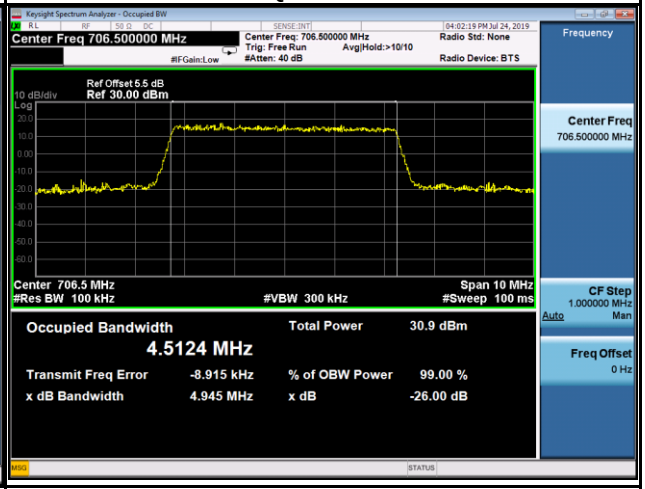
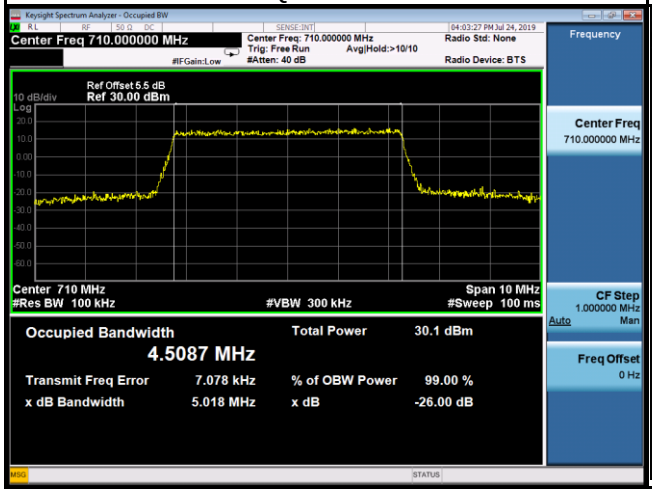
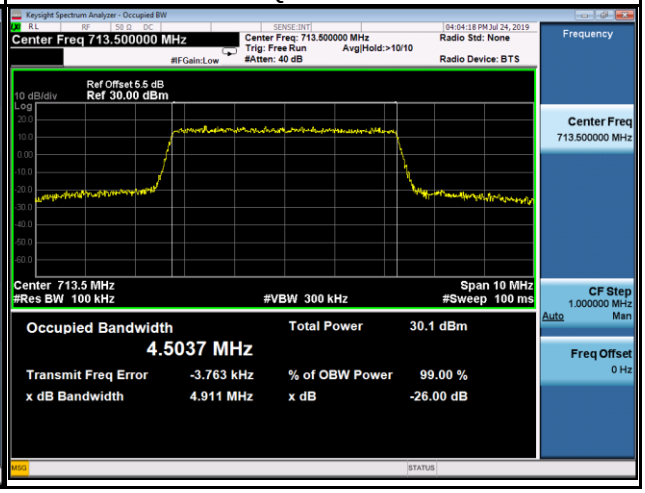
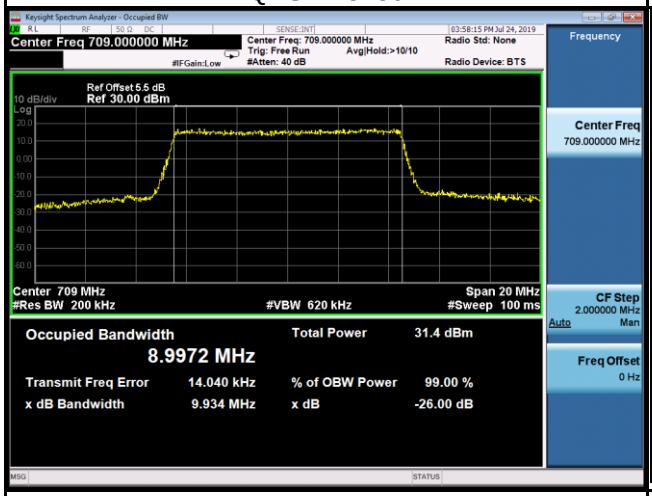
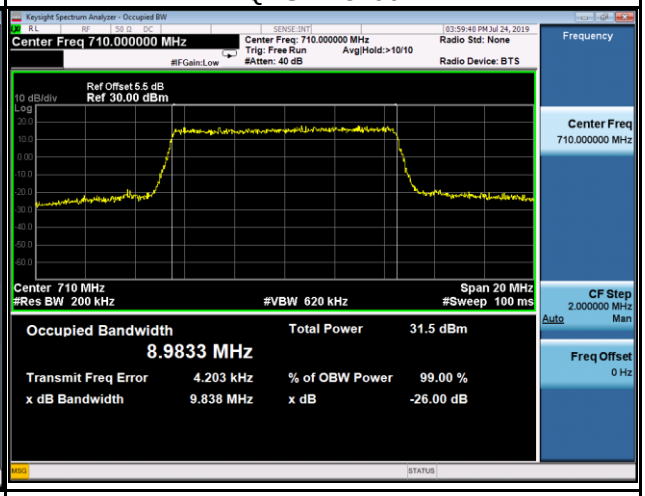
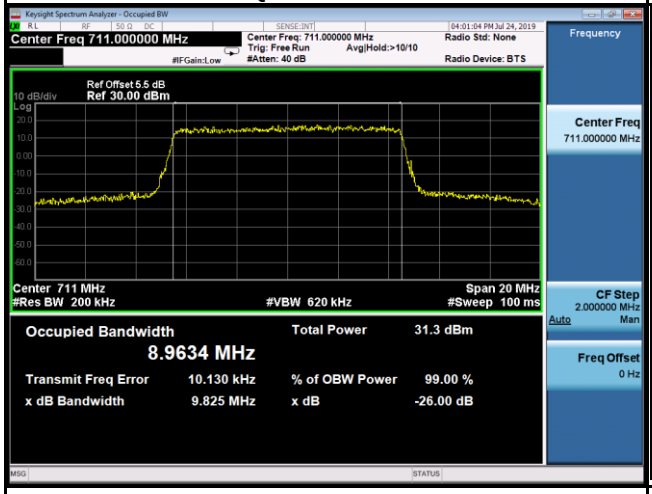
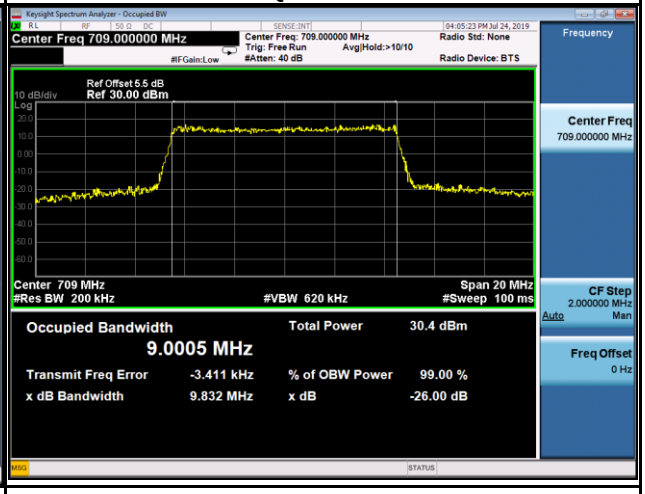
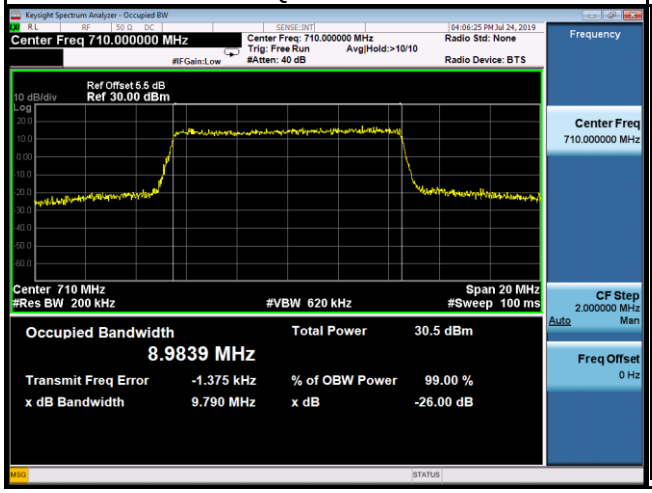
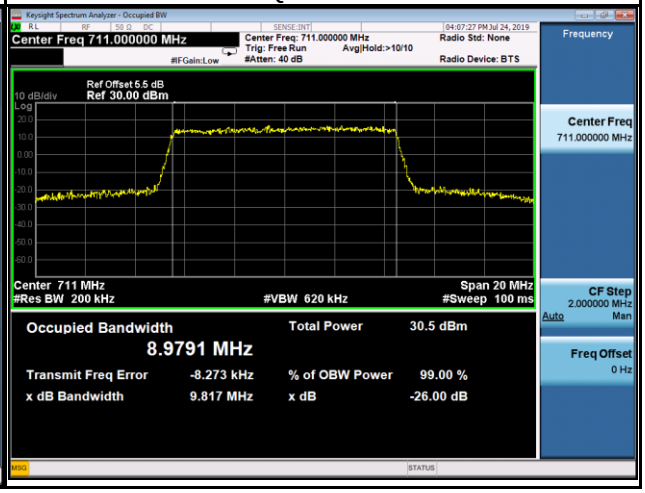
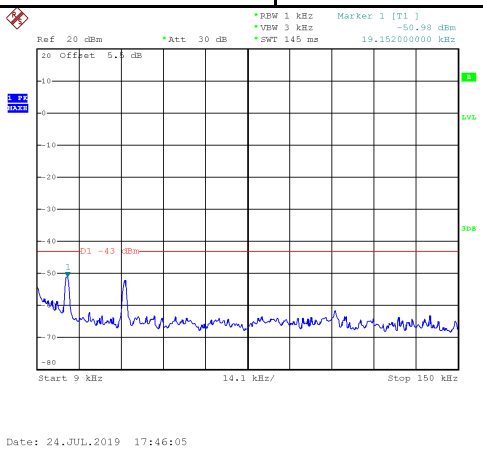
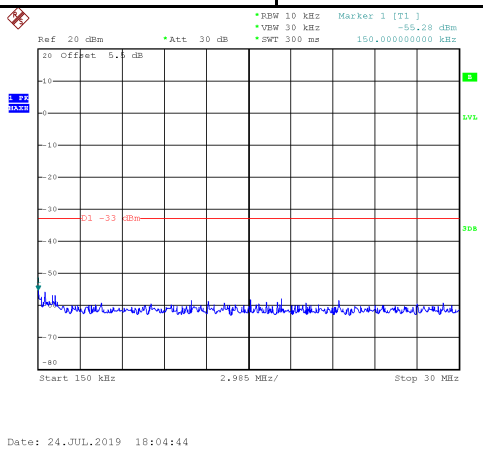
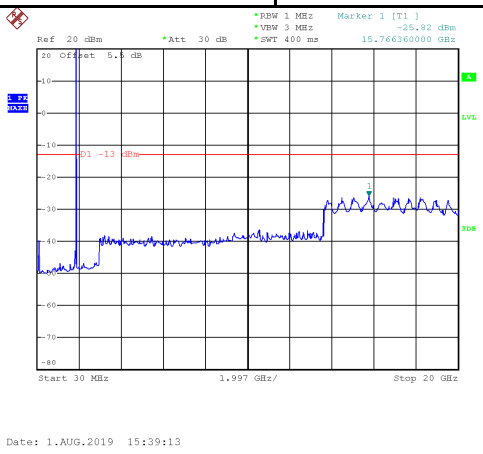
LTE Band 17_5M					
QPSK			16QAM		
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
23755	706.5	4.5275	23755	706.5	4.5124
23790	710.0	4.5068	23790	710.0	4.5087
23825	713.5	4.4990	23825	713.5	4.5037
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
23755	706.5	5.0020	23755	706.5	4.9450
23790	710.0	4.9420	23790	710.0	5.0180
23825	713.5	4.9660	23825	713.5	4.9110

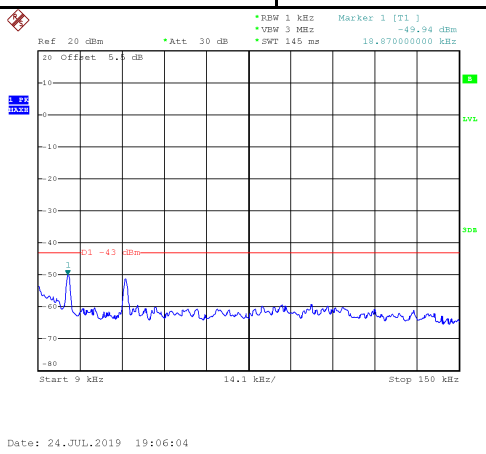
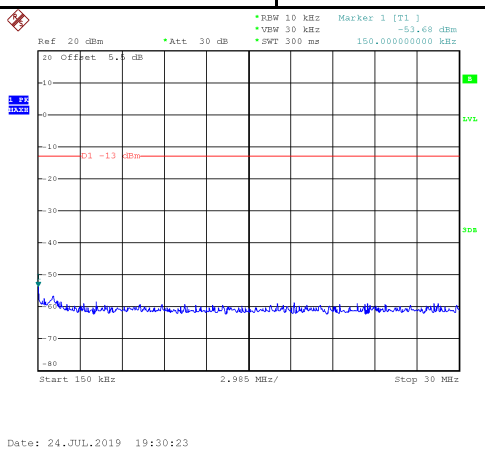
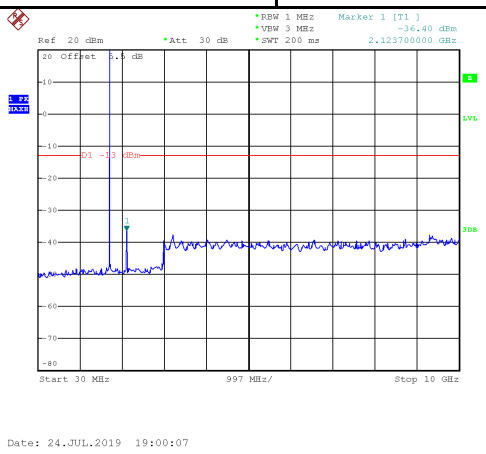
Spectrum Plot	
QPSK-23755	QPSK-23790
	
QPSK-23825	16QAM-23755
	
16QAM-23790	16QAM-23825
	

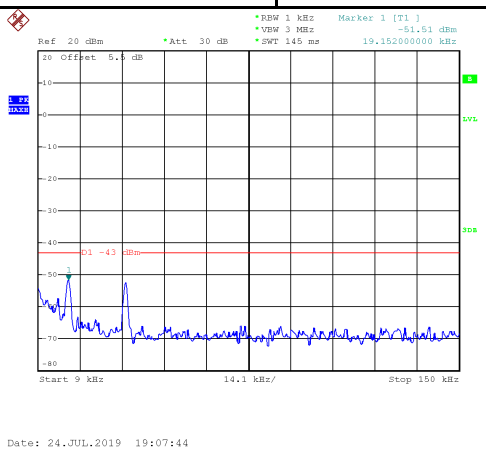
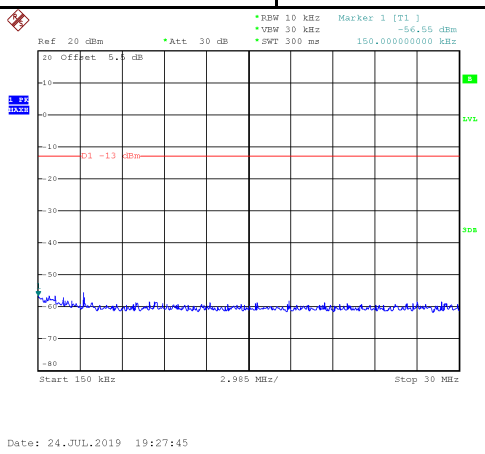
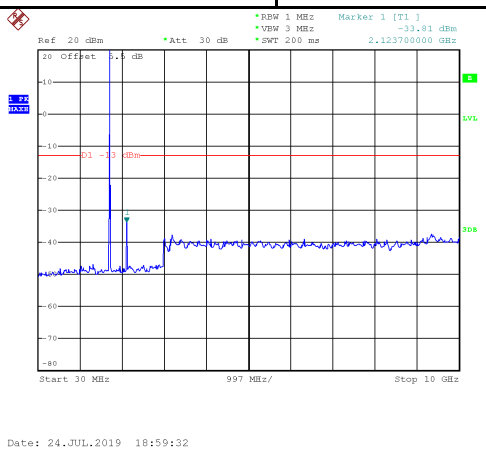
LTE Band 17_10M					
QPSK			16QAM		
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
23780	709.0	8.9972	23780	709.0	9.0005
23790	710.0	8.9833	23790	710.0	8.9839
23800	711.0	8.9634	23800	711.0	8.9791
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
23780	709.0	9.9340	23780	709.0	9.8320
23790	710.0	9.8380	23790	710.0	9.7900
23800	711.0	9.8250	23800	711.0	9.8170

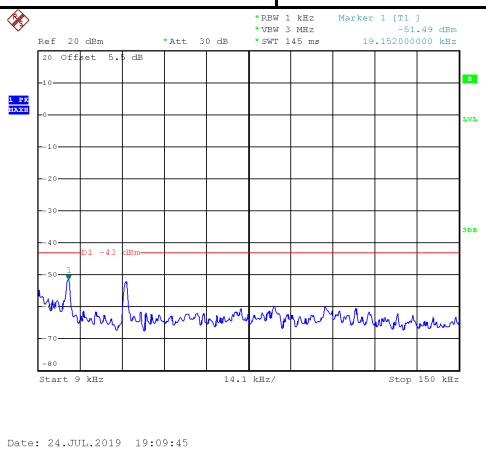
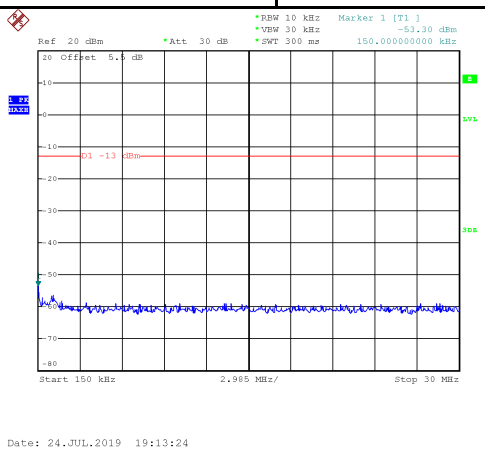
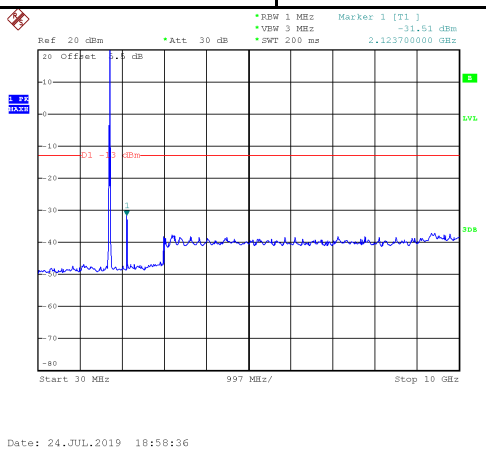
Spectrum Plot	
QPSK-23780	QPSK-23790
	
QPSK-23800	16QAM-23780
	
16QAM-23790	16QAM-23800
	

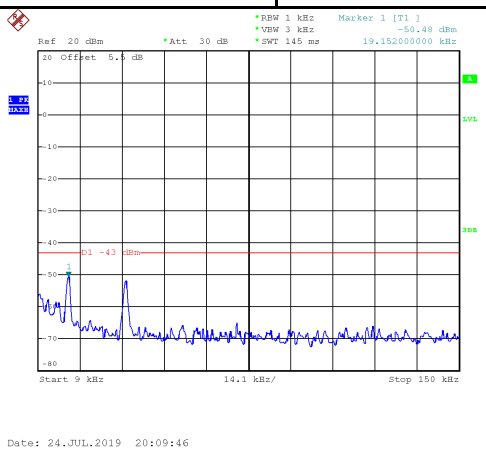
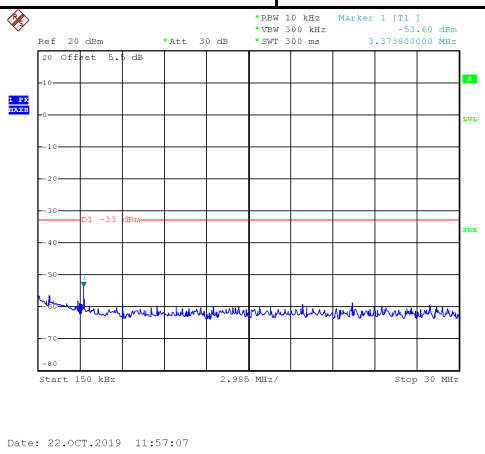
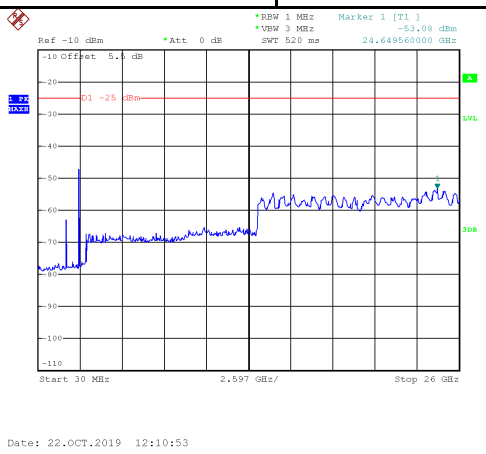
APPENDIX C - CONDUCTED EMISSIONS

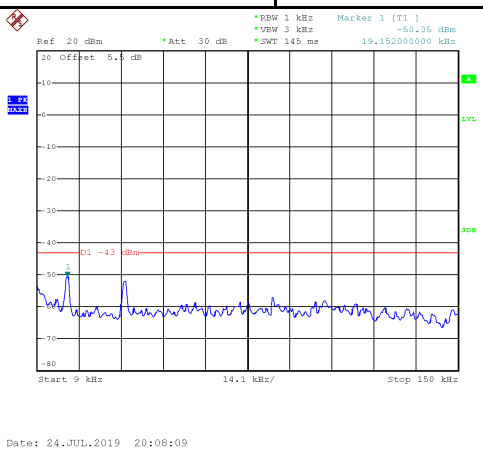
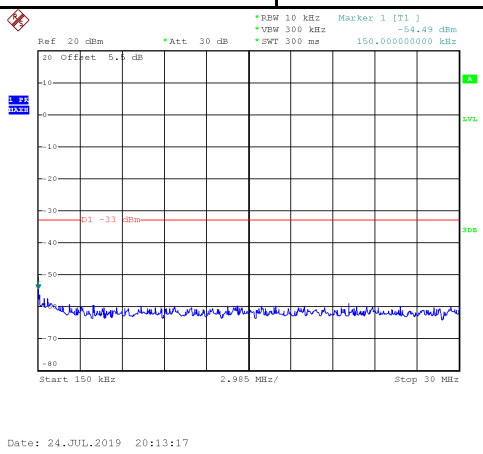
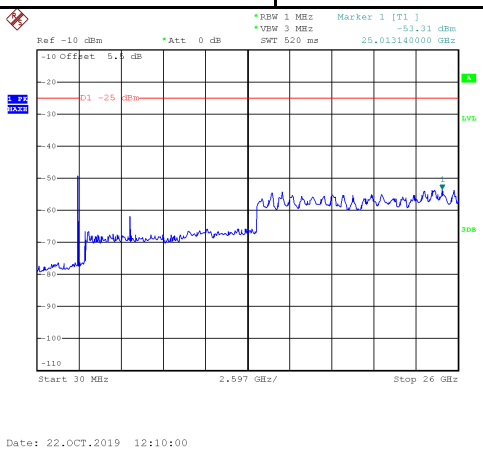
WCDMA Band IV_WCDMA			
Channel	Frequency(MHz)	Channel	Frequency(MHz)
1413	1732.6	1413	1732.6
			
Channel	Frequency(MHz)	-	-
1413	1732.6	-	-
		-	

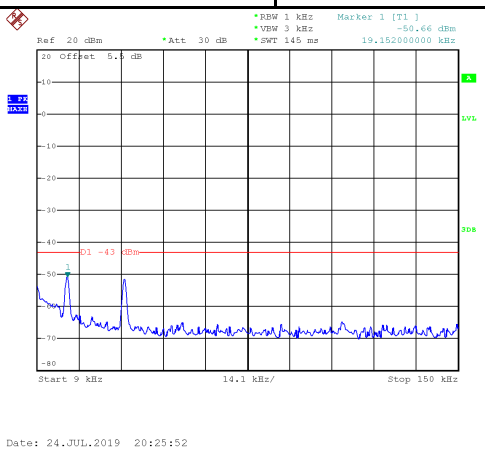
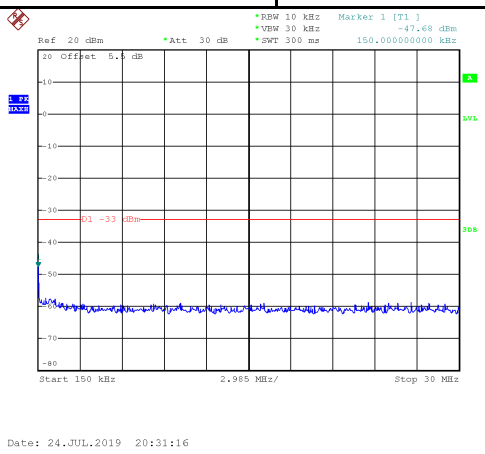
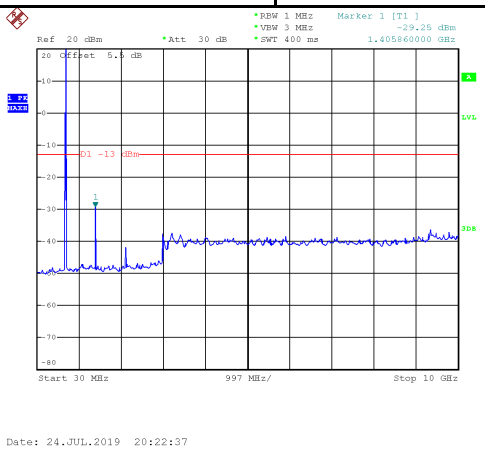
LTE Band 4_1.4M			
Channel	Frequency(MHz)	Channel	Frequency(MHz)
20175	1732.5	20175	1732.5
			
Channel	Frequency(MHz)	-	-
20175	1732.5	-	-
		-	

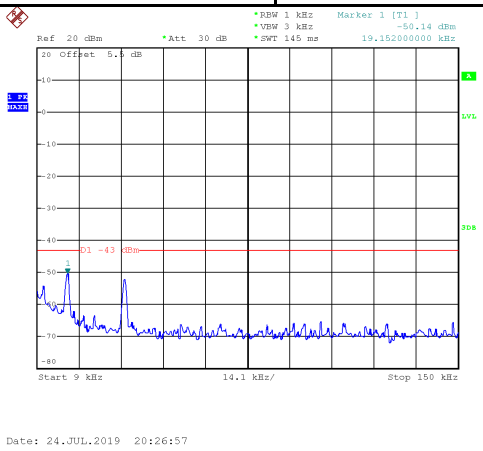
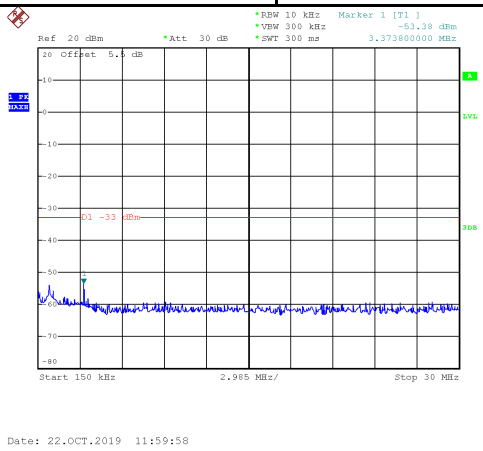
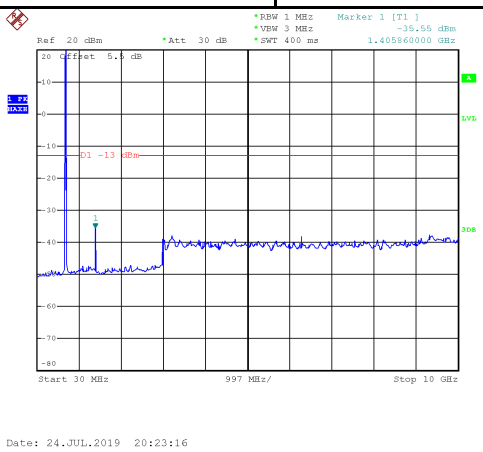
LTE Band 4_5M			
Channel	Frequency(MHz)	Channel	Frequency(MHz)
20175	1732.5	20175	1732.5
			
Channel	Frequency(MHz)	-	-
20175	1732.5	-	-
		-	

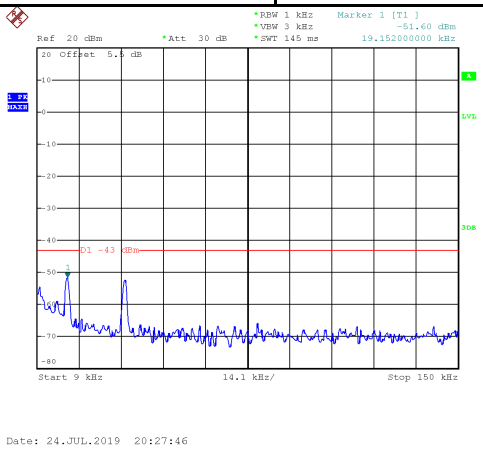
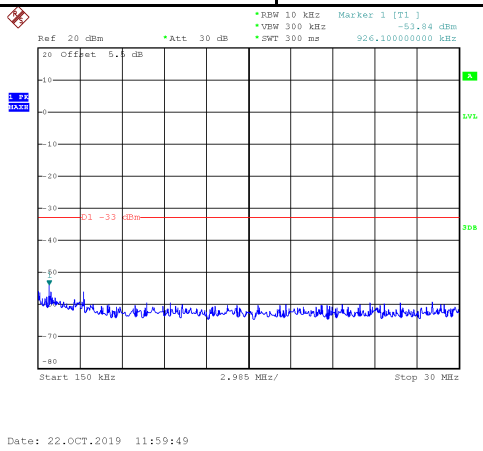
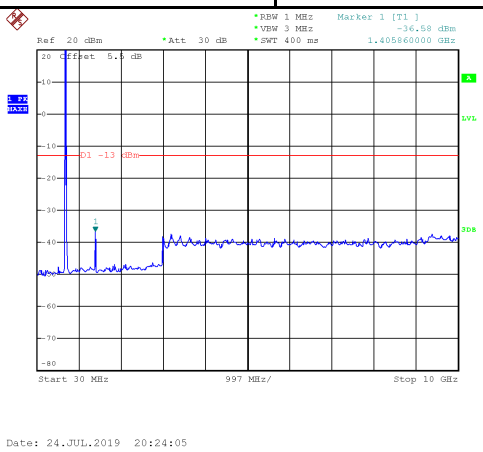
LTE Band 4_20M			
Channel	Frequency(MHz)	Channel	Frequency(MHz)
20175	1732.5	20175	1732.5
			
Channel	Frequency(MHz)	-	-
20175	1732.5	-	-
		-	

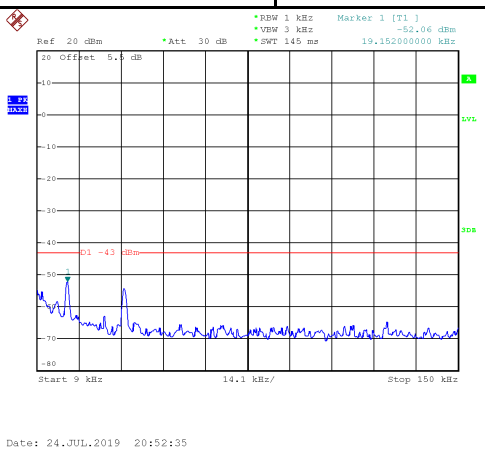
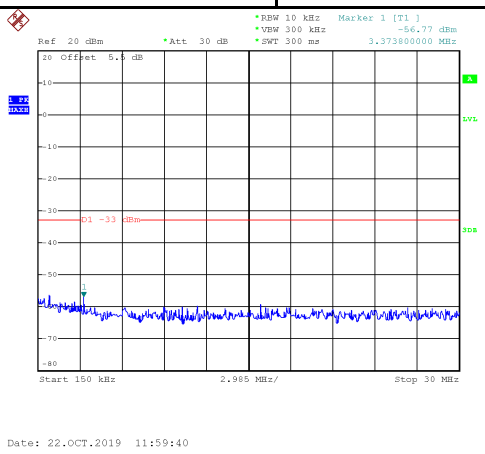
LTE Band 7_5M			
Channel	Frequency(MHz)	Channel	Frequency(MHz)
21100	2535	21100	2535
			
Channel	Frequency(MHz)	-	-
21100	2535	-	-
		-	

LTE Band 7_20M			
Channel	Frequency(MHz)	Channel	Frequency(MHz)
21100	2535	21100	2535
			
Channel	Frequency(MHz)	-	-
21100	2535	-	-
		-	

LTE Band 12_1.4M			
Channel	Frequency(MHz)	Channel	Frequency(MHz)
23095	707.5	23095	707.5
			
Channel	Frequency(MHz)	-	-
23095	707.5	-	-
		-	

LTE Band 12_5M			
Channel	Frequency(MHz)	Channel	Frequency(MHz)
23095	707.5	23095	707.5
			
Channel	Frequency(MHz)	-	-
23095	707.5	-	-
		-	

LTE Band 12_10M			
Channel	Frequency(MHz)	Channel	Frequency(MHz)
23095	707.5	23095	707.5
			
Channel	Frequency(MHz)	-	-
23095	707.5	-	-
		-	

<table>
<tr><th colspan="4">LTE Band 13_5M</th></tr>
<tr><th>Channel</th><th>Frequency(MHz)</th><th>Channel</th><th>Frequency(MHz)</th></tr>
<tr><td>23230</td><td>782.0</td><td>23230</td><td>782.0</td></tr>
<tr><td colspan="2"> 
</td><td colspan="2"> 
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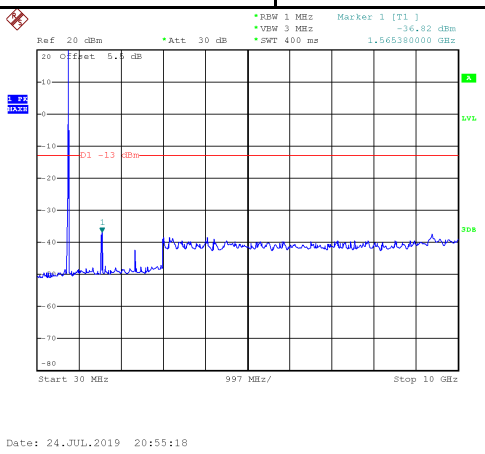
<tr><th>Channel</th><th>Frequency(MHz)</th><th>-</th><th>-</th></tr>
<tr><td>23230</td><td>782.0</td><td>-</td><td>-</td></tr>
<tr><td colspan="2"> 
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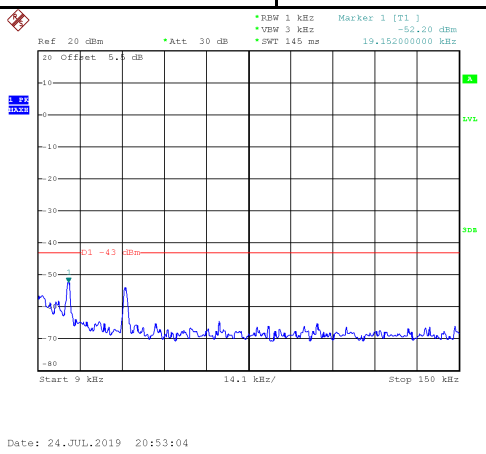
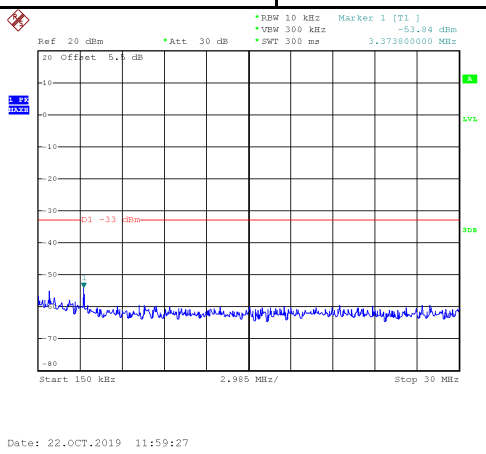
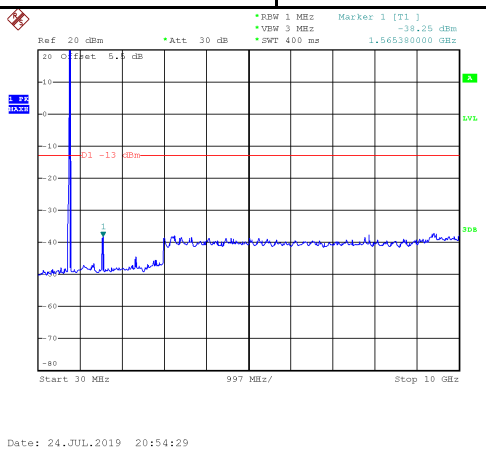
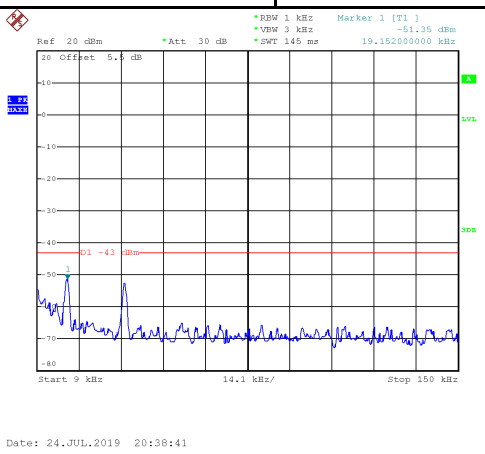
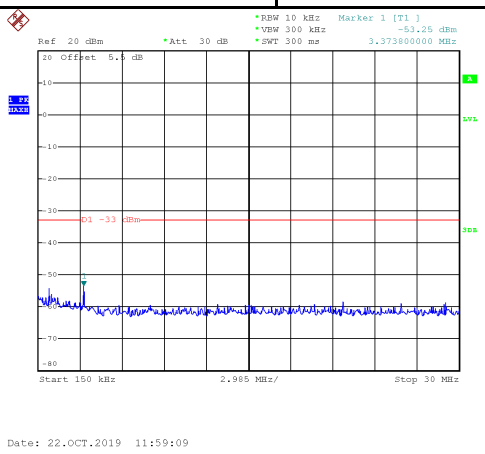
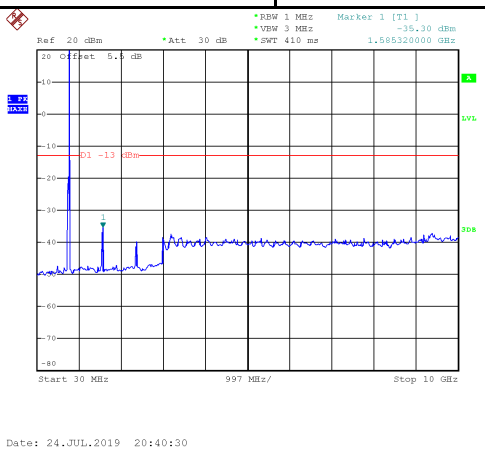
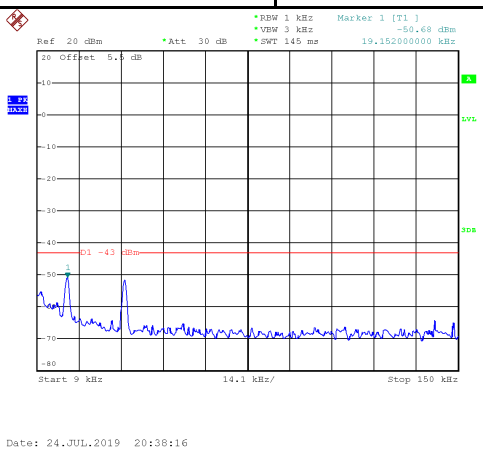
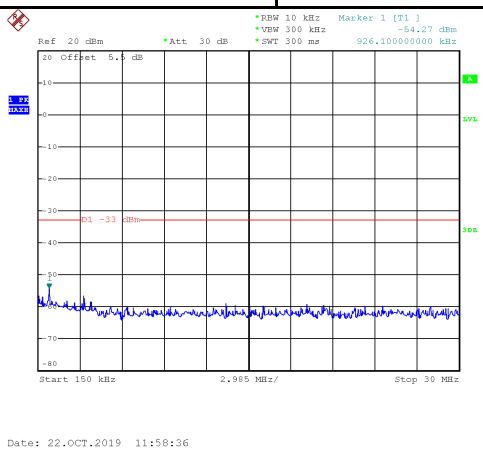
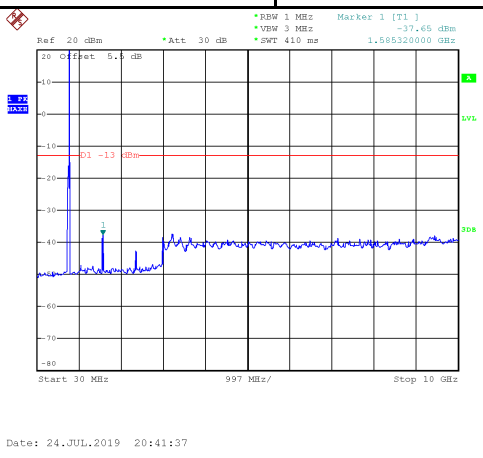
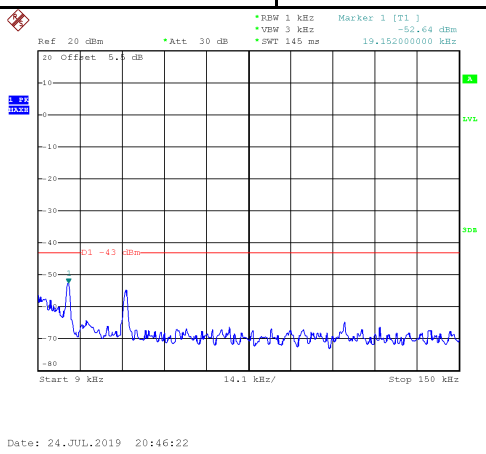
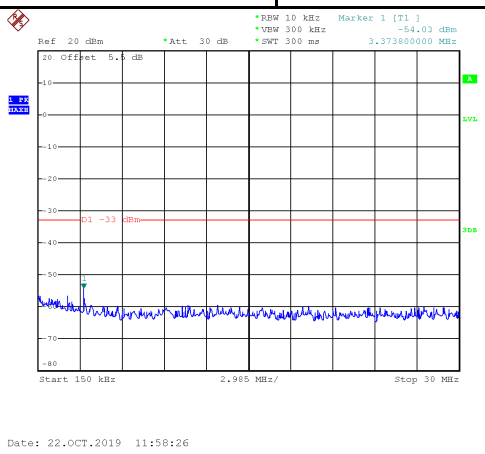
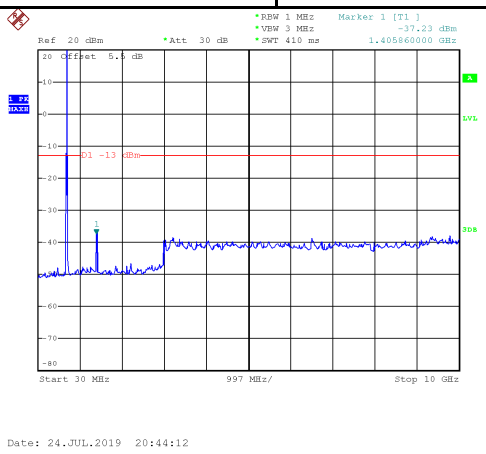
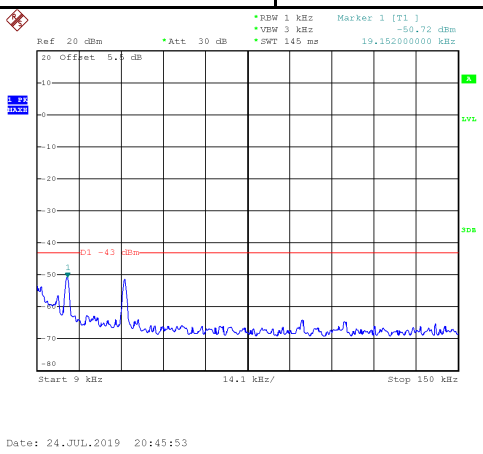
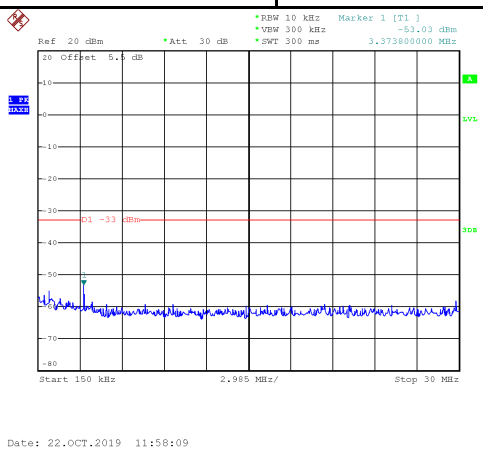
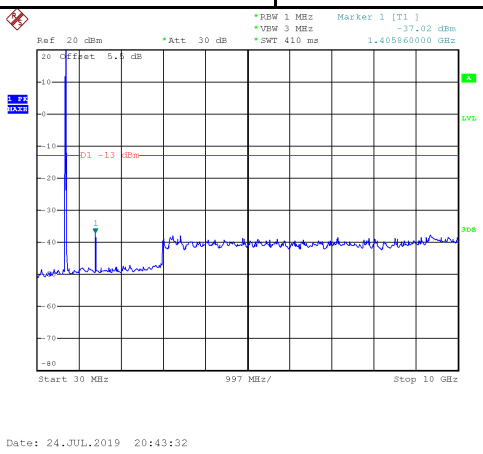
LTE Band 13_10M			
Channel	Frequency(MHz)	Channel	Frequency(MHz)
23230	782.0	23230	782.0
			
Channel	Frequency(MHz)	-	-
23230	782.0	-	-
		-	

LTE Band 14_5M			
Channel	Frequency(MHz)	Channel	Frequency(MHz)
23330	793.0	23330	793.0
			
Channel	Frequency(MHz)	-	-
23330	793.0	-	-
		-	

LTE Band 14_10M			
Channel	Frequency(MHz)	Channel	Frequency(MHz)
23330	793.0	23330	793.0
			
Channel	Frequency(MHz)	-	-
23330	793.0	-	-
		-	

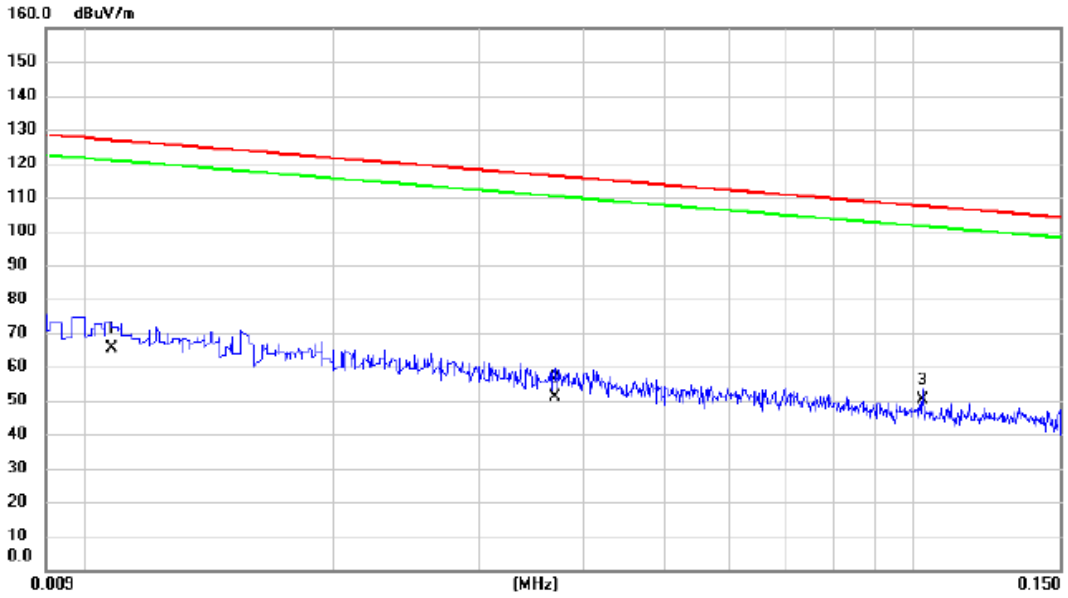
LTE Band 17_5M			
Channel	Frequency(MHz)	Channel	Frequency(MHz)
23790	710.0	23790	710.0
			
Channel	Frequency(MHz)	-	-
23790	710.0	-	-
		-	

LTE Band 17_10M			
Channel	Frequency(MHz)	Channel	Frequency(MHz)
23790	710.0	23790	710.0
			
Channel	Frequency(MHz)	-	-
23790	710.0	-	-
		-	

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

Test Mode:	TX Mode

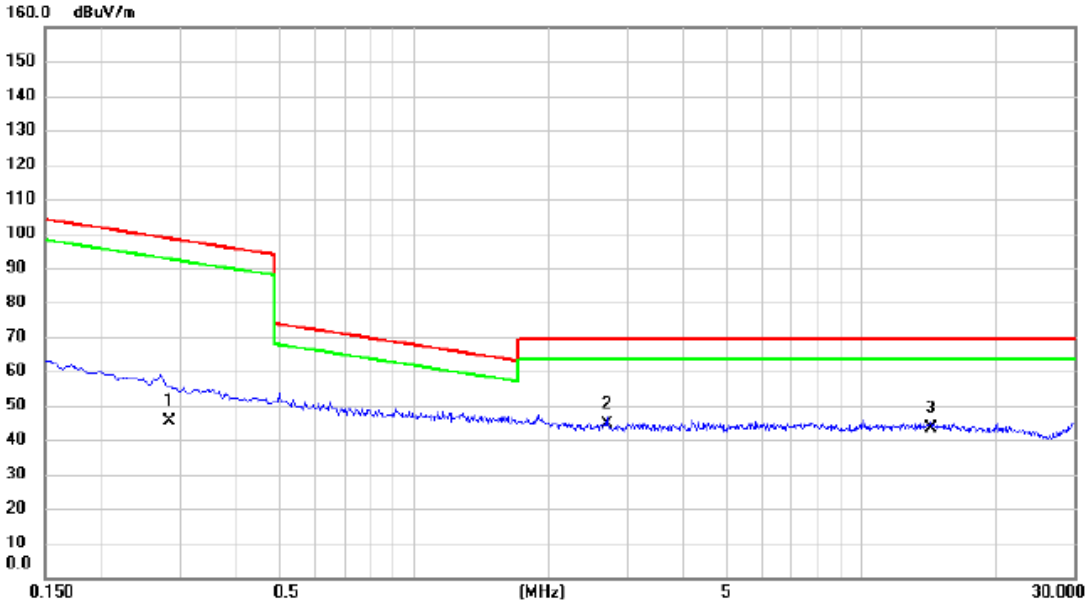
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	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

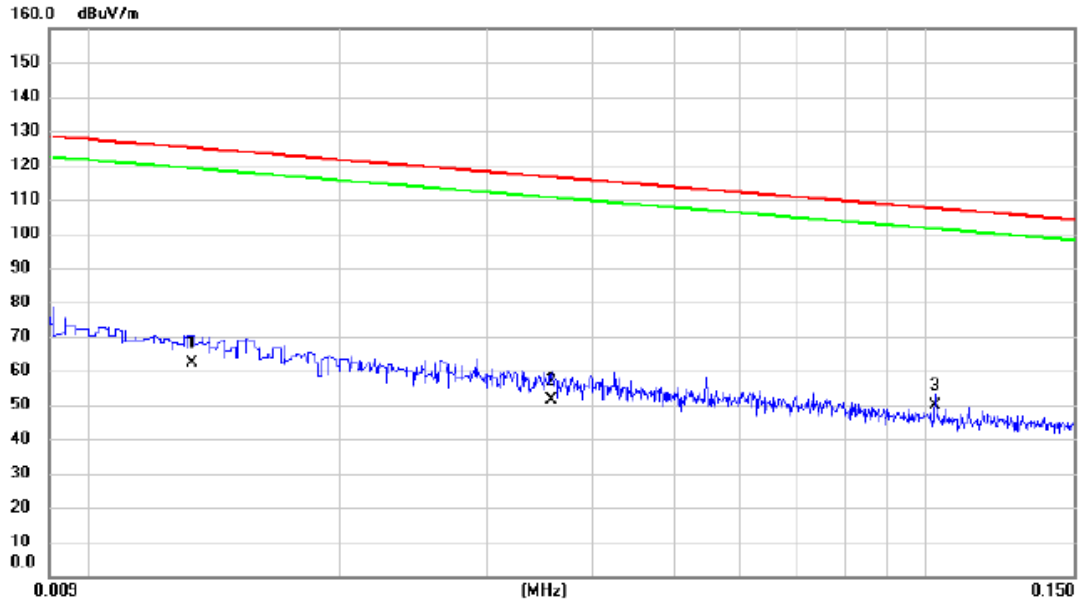
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
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

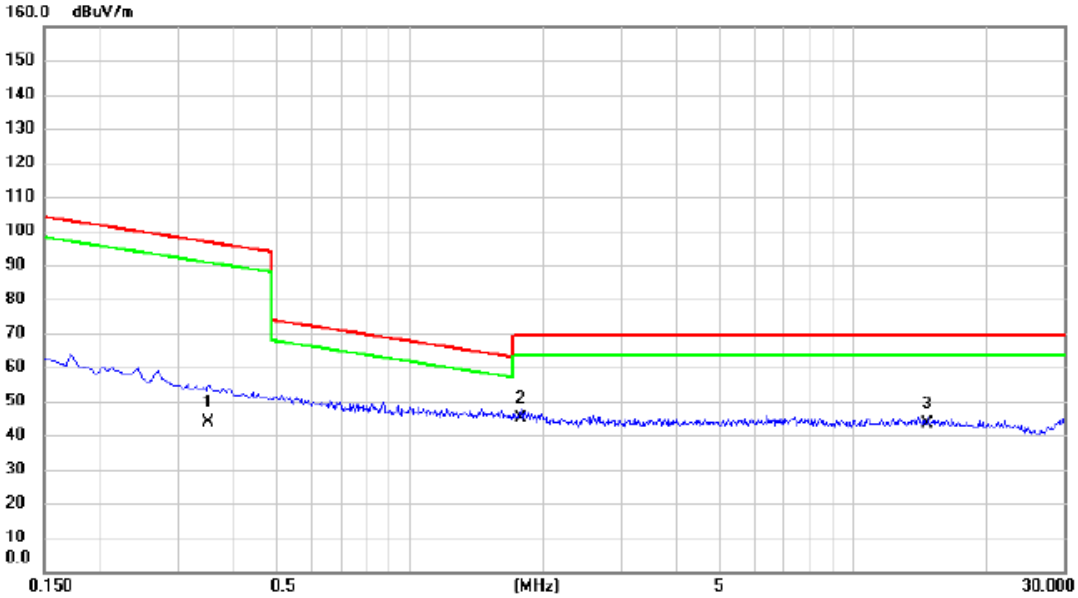
Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	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°

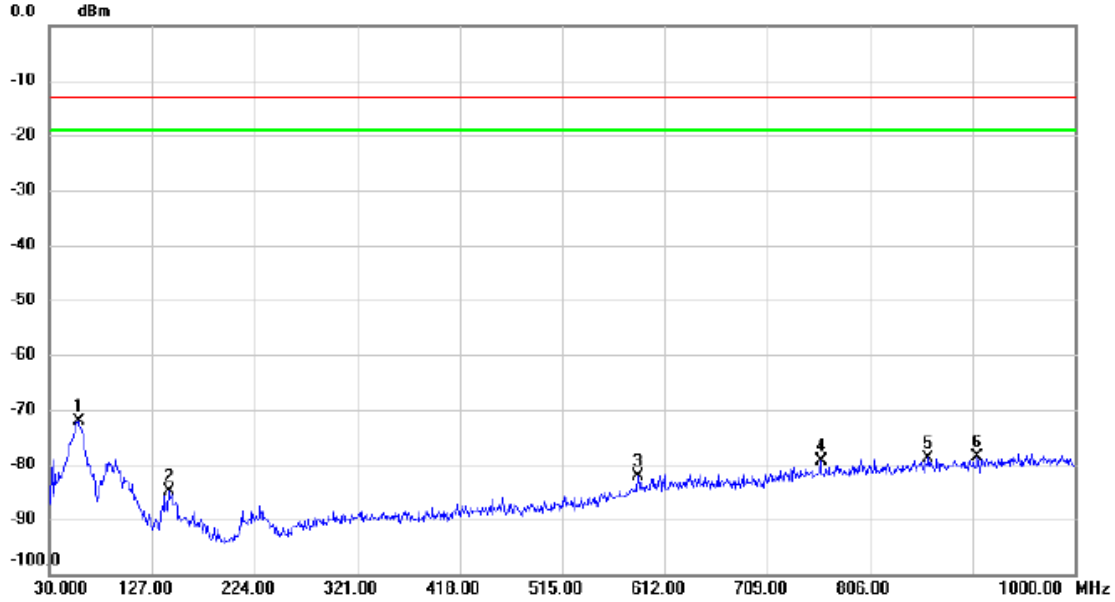


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.3525	-3.80	47.55	43.75	96.66	-52.91	AVG	
2	*	1.7790	5.54	39.33	44.87	69.54	-24.67	QP	
3		14.7930	5.42	38.06	43.48	69.54	-26.06	QP	

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

Test Mode:	WCDMA Band IV _TX Mode

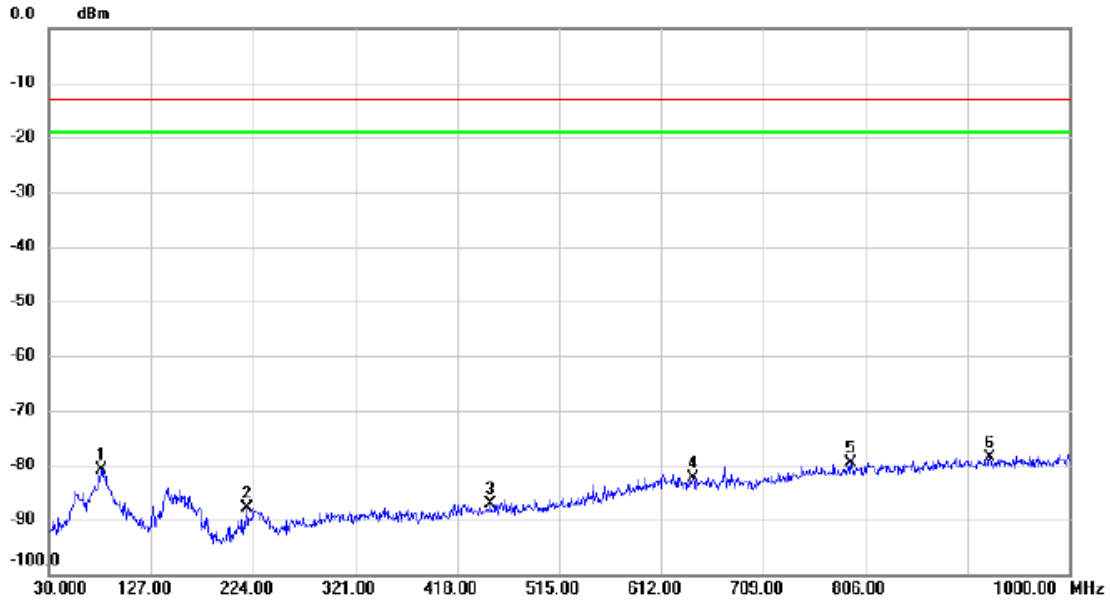
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	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 IV _TX Mode

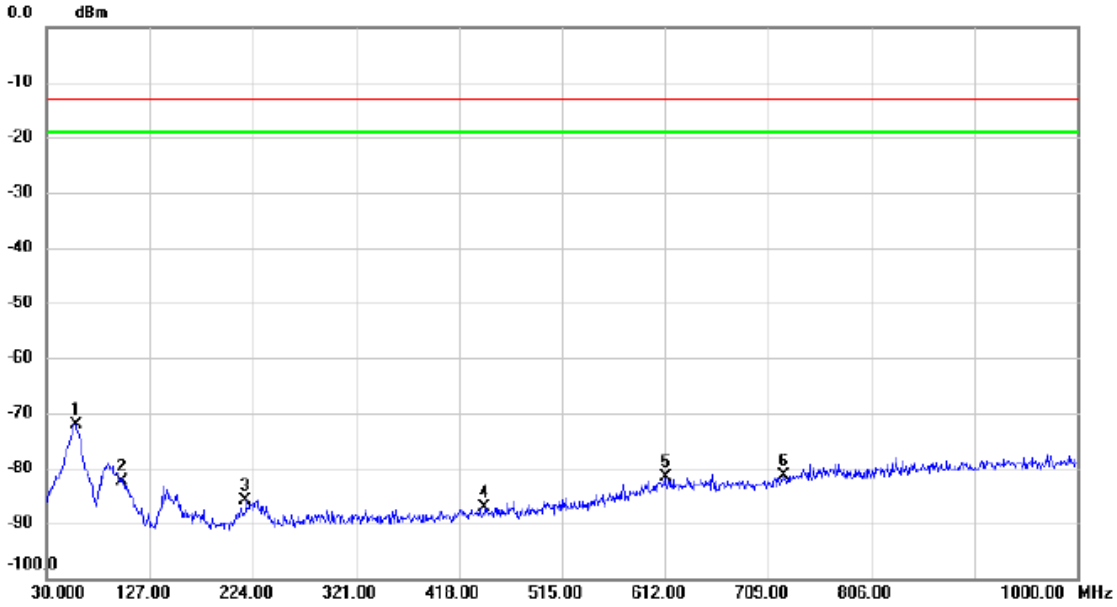
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	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 4_TX Mode_1.4M

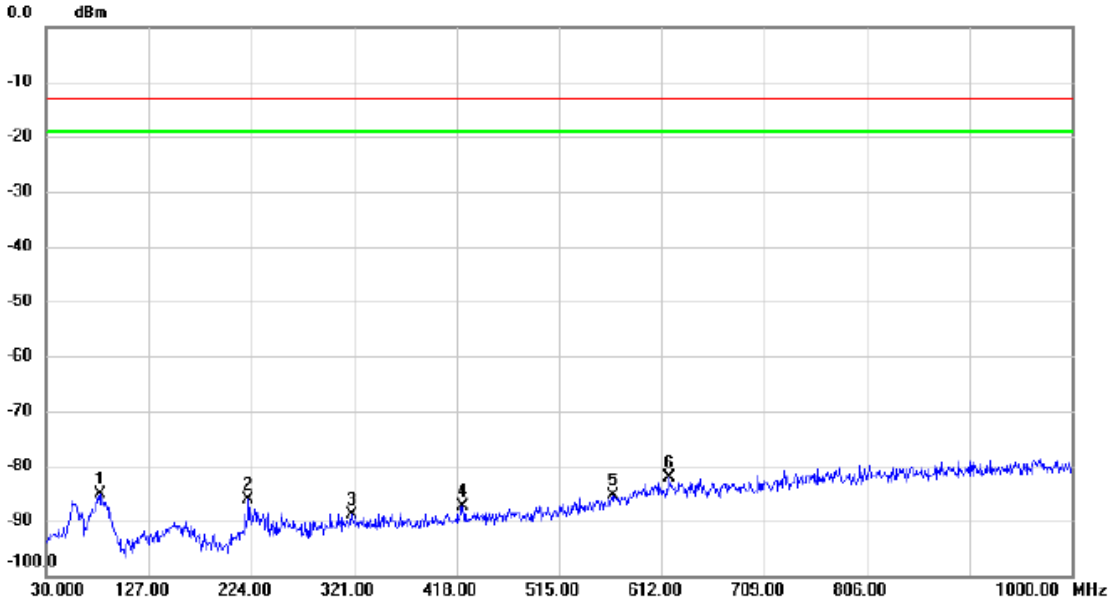
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	57.1600	-54.64	-17.41	-72.05	-13.00	-59.05	peak	
2		100.8100	-62.53	-19.73	-82.26	-13.00	-69.26	peak	
3		217.2100	-67.71	-18.07	-85.78	-13.00	-72.78	peak	
4		442.2500	-74.31	-12.92	-87.23	-13.00	-74.23	peak	
5		612.0000	-72.91	-8.62	-81.53	-13.00	-68.53	peak	
6		723.5500	-73.70	-7.67	-81.37	-13.00	-68.37	peak	

Test Mode:	LTE Band 4_TX Mode_1.4M

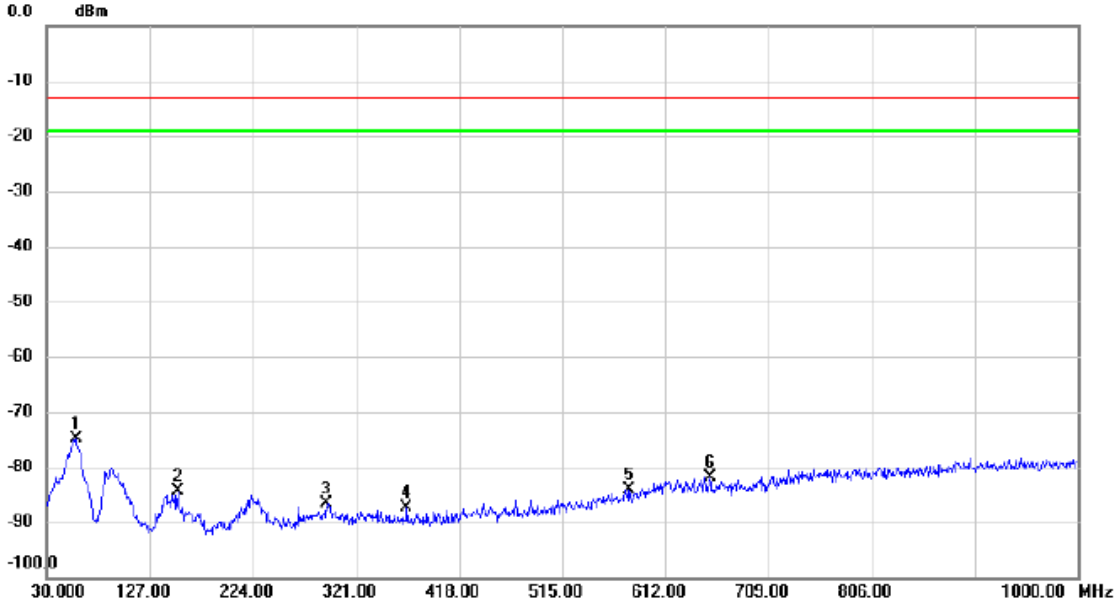
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		81.4100	-64.73	-20.32	-85.05	-13.00	-72.05	peak	
2		221.0900	-68.12	-17.90	-86.02	-13.00	-73.02	peak	
3		319.0600	-74.81	-14.01	-88.82	-13.00	-75.82	peak	
4		423.8200	-74.27	-12.99	-87.26	-13.00	-74.26	peak	
5		566.4100	-74.89	-10.39	-85.28	-13.00	-72.28	peak	
6	*	618.7900	-73.60	-8.59	-82.19	-13.00	-69.19	peak	

Test Mode:	LTE Band 4_TX Mode_5M

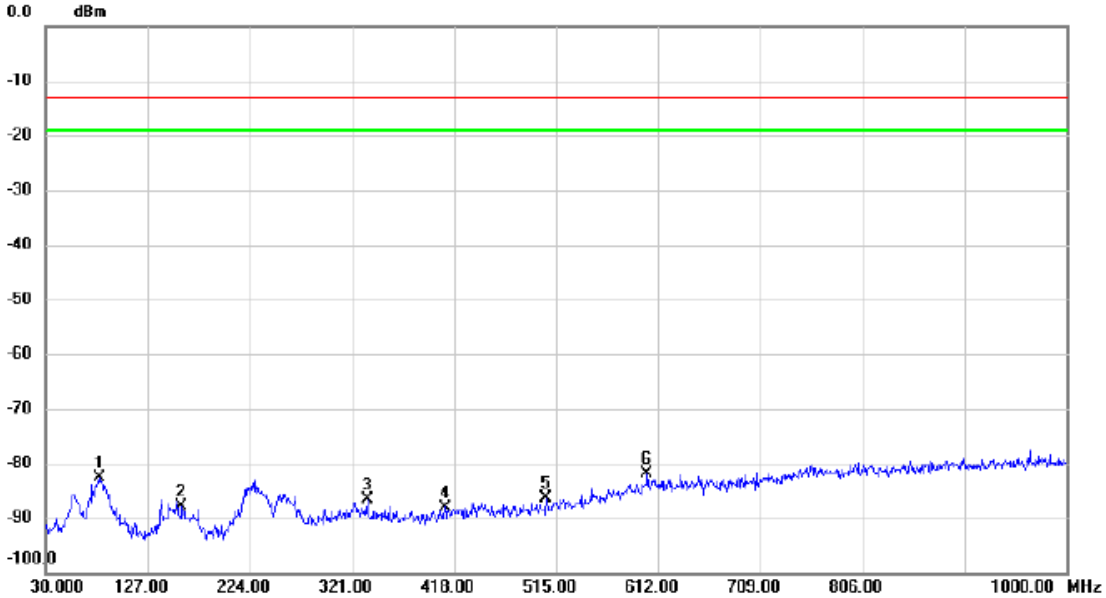
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	57.1600	-57.52	-17.41	-74.93	-13.00	-61.93	peak	
2		153.1900	-69.53	-14.96	-84.49	-13.00	-71.49	peak	
3		292.8700	-71.83	-14.70	-86.53	-13.00	-73.53	peak	
4		368.5300	-73.64	-13.77	-87.41	-13.00	-74.41	peak	
5		578.0500	-74.34	-9.79	-84.13	-13.00	-71.13	peak	
6		653.7100	-73.35	-8.52	-81.87	-13.00	-68.87	peak	

Test Mode:	LTE Band 4_TX Mode_5M

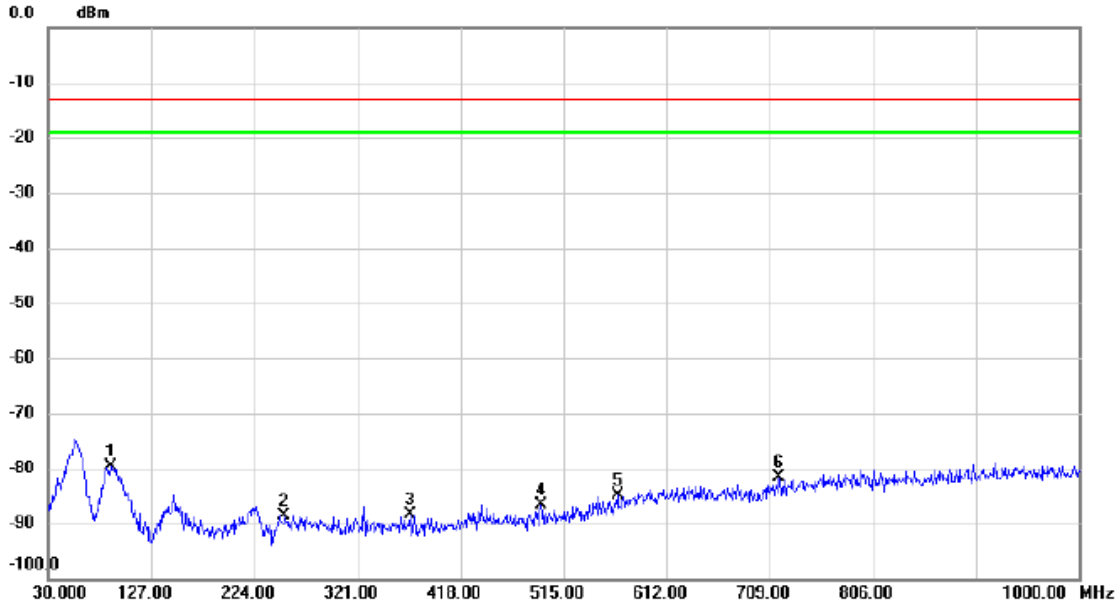
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		80.4400	-62.20	-20.30	-82.50	-13.00	-69.50	peak	
2		159.0100	-72.67	-15.26	-87.93	-13.00	-74.93	peak	
3		335.5500	-72.78	-13.82	-86.60	-13.00	-73.60	peak	
4		409.2700	-74.51	-13.49	-88.00	-13.00	-75.00	peak	
5		505.3000	-73.94	-12.48	-86.42	-13.00	-73.42	peak	
6	*	601.3300	-73.31	-8.65	-81.96	-13.00	-68.96	peak	

Test Mode:	LTE Band 4_TX Mode_20M

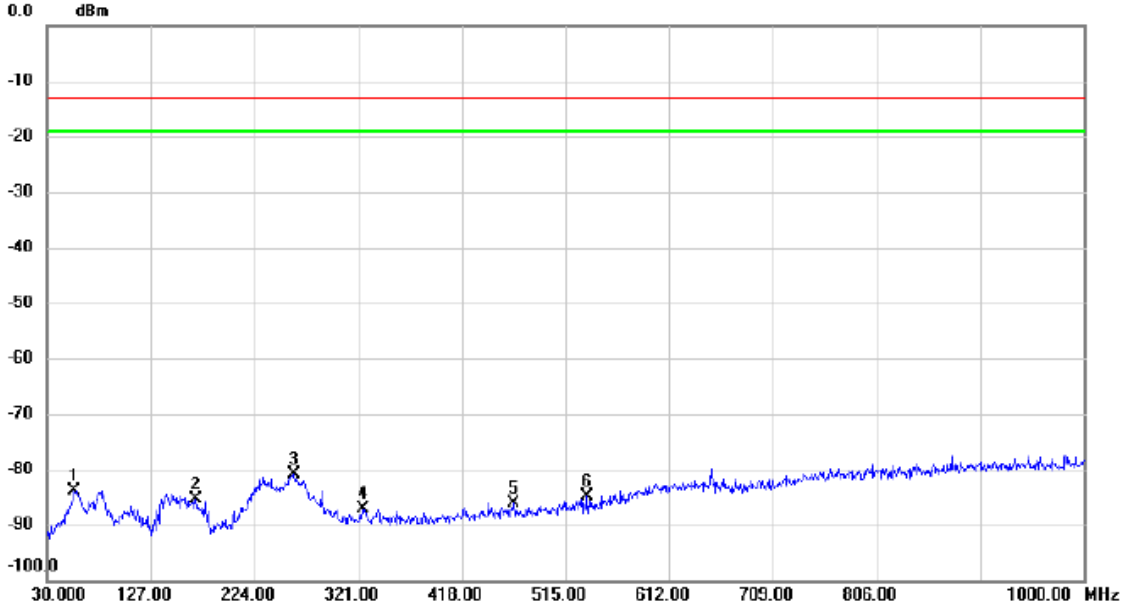
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	89.1700	-59.10	-20.45	-79.55	-13.00	-66.55	peak	
2		252.1300	-71.92	-16.78	-88.70	-13.00	-75.70	peak	
3		370.4700	-74.48	-13.80	-88.28	-13.00	-75.28	peak	
4		493.6600	-73.97	-12.69	-86.66	-13.00	-73.66	peak	
5		565.4400	-74.39	-10.45	-84.84	-13.00	-71.84	peak	
6		716.7600	-73.57	-7.93	-81.50	-13.00	-68.50	peak	

Test Mode:	LTE Band 4_TX Mode_20M

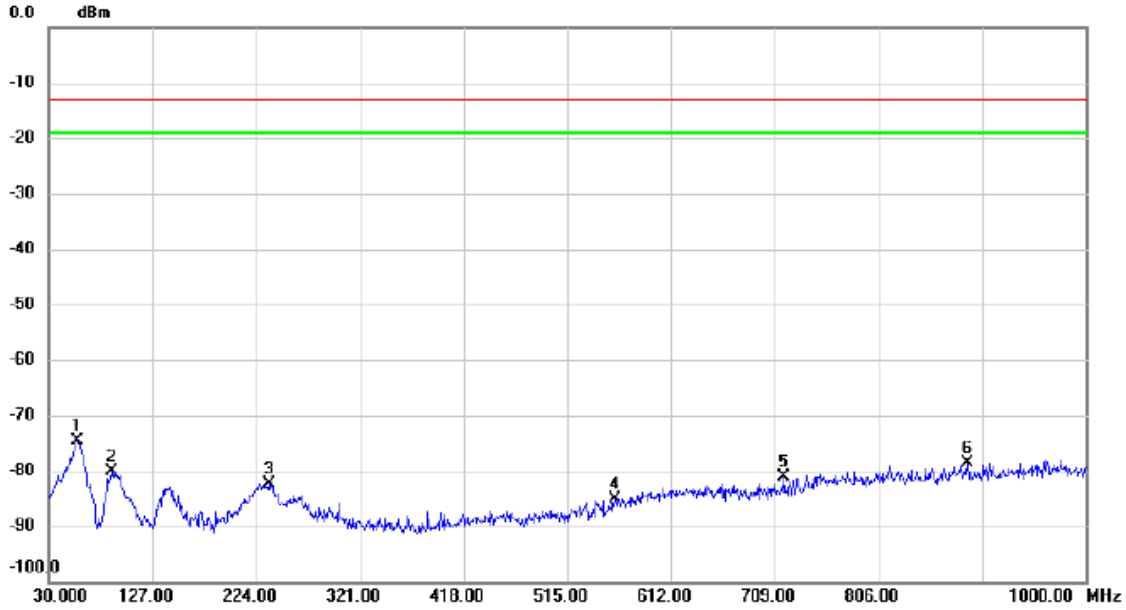
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		55.2200	-66.55	-17.30	-83.85	-13.00	-70.85	peak	
2		168.7100	-69.76	-15.58	-85.34	-13.00	-72.34	peak	
3	*	260.8600	-64.41	-16.39	-80.80	-13.00	-67.80	peak	
4		324.8800	-73.09	-13.94	-87.03	-13.00	-74.03	peak	
5		466.5000	-73.34	-12.89	-86.23	-13.00	-73.23	peak	
6		535.3700	-73.22	-11.64	-84.86	-13.00	-71.86	peak	

Test Mode:	LTE Band 7_TX Mode_5M

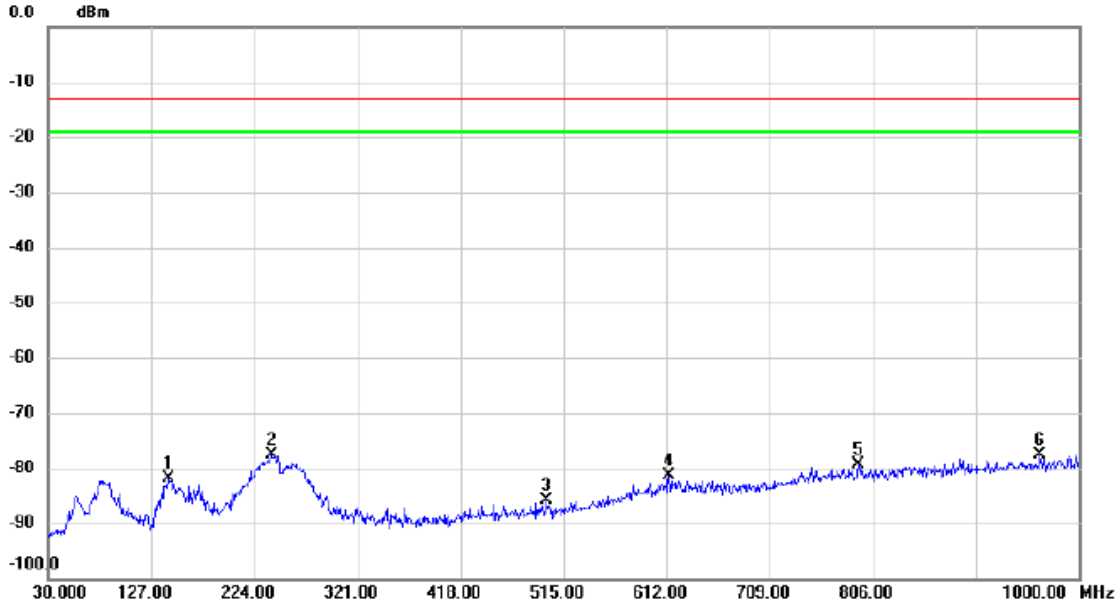
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	56.1900	-57.30	-17.37	-74.67	-13.00	-61.67	peak	
2		89.1700	-59.78	-20.45	-80.23	-13.00	-67.23	peak	
3		235.6400	-65.17	-17.10	-82.27	-13.00	-69.27	peak	
4		559.6200	-74.32	-10.74	-85.06	-13.00	-72.06	peak	
5		717.7300	-73.15	-7.89	-81.04	-13.00	-68.04	peak	
6		889.4200	-72.95	-5.55	-78.50	-13.00	-65.50	peak	

Test Mode:	LTE Band 7_TX Mode_5M

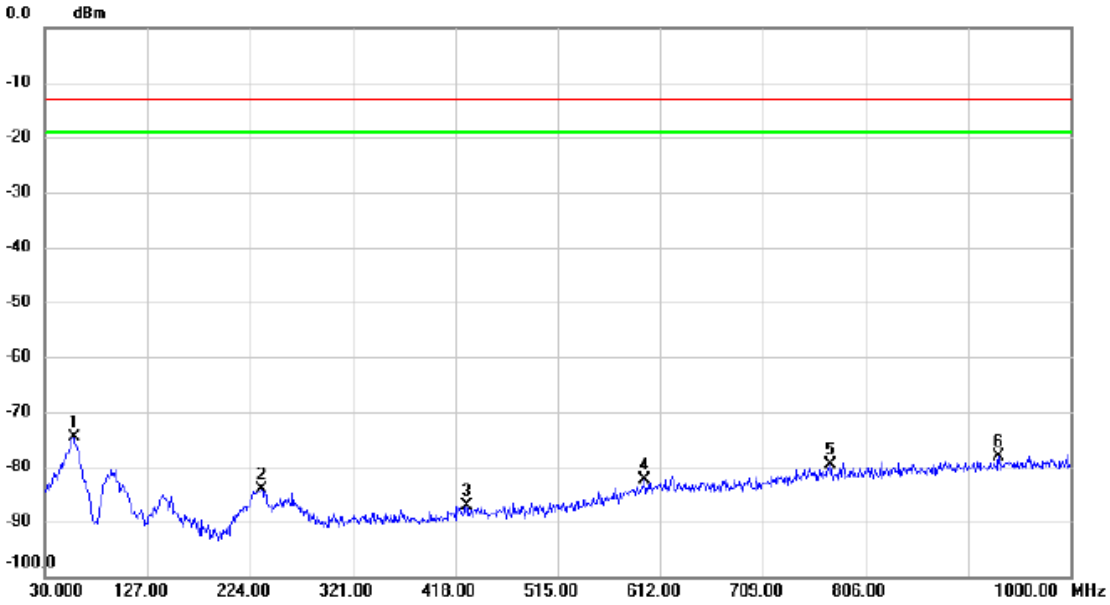
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		142.5200	-66.33	-15.46	-81.79	-13.00	-68.79	peak	
2	*	240.4900	-60.60	-16.91	-77.51	-13.00	-64.51	peak	
3		498.5100	-73.30	-12.64	-85.94	-13.00	-72.94	peak	
4		613.9400	-72.79	-8.61	-81.40	-13.00	-68.40	peak	
5		792.4200	-72.91	-6.49	-79.40	-13.00	-66.40	peak	
6		963.1400	-72.46	-5.07	-77.53	-13.00	-64.53	peak	

Test Mode:	LTE Band 7_TX Mode_10M

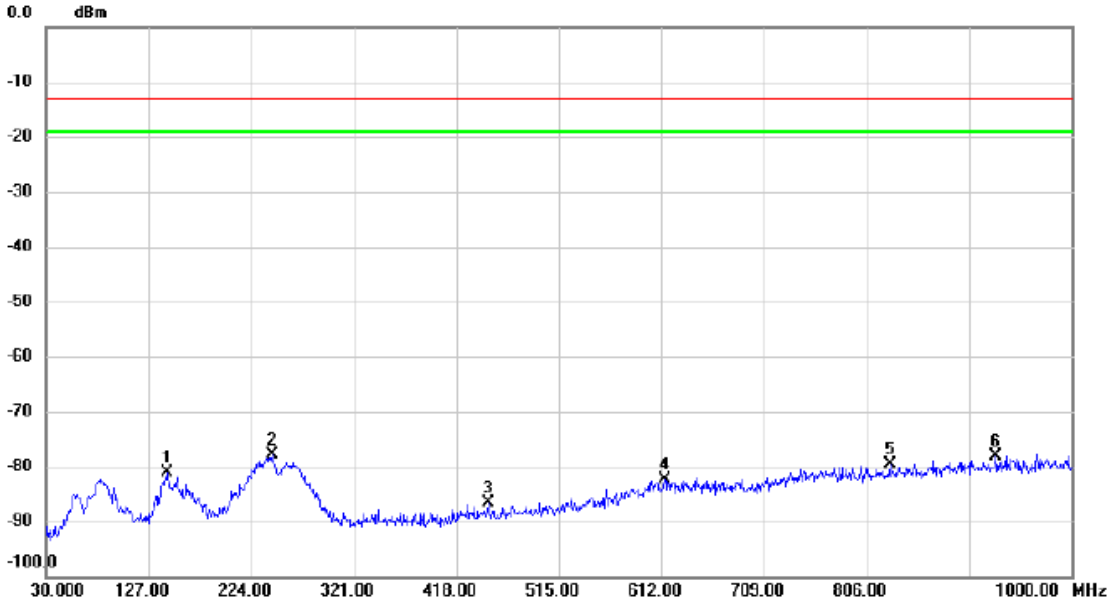
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	57.1600	-57.26	-17.41	-74.67	-13.00	-61.67	peak	
2		234.6700	-66.89	-17.14	-84.03	-13.00	-71.03	peak	
3		428.6700	-74.17	-12.97	-87.14	-13.00	-74.14	peak	
4		597.4500	-73.61	-8.79	-82.40	-13.00	-69.40	peak	
5		773.0200	-73.05	-6.57	-79.62	-13.00	-66.62	peak	
6		932.1000	-72.81	-5.25	-78.06	-13.00	-65.06	peak	

Test Mode:	LTE Band 7_TX Mode_10M

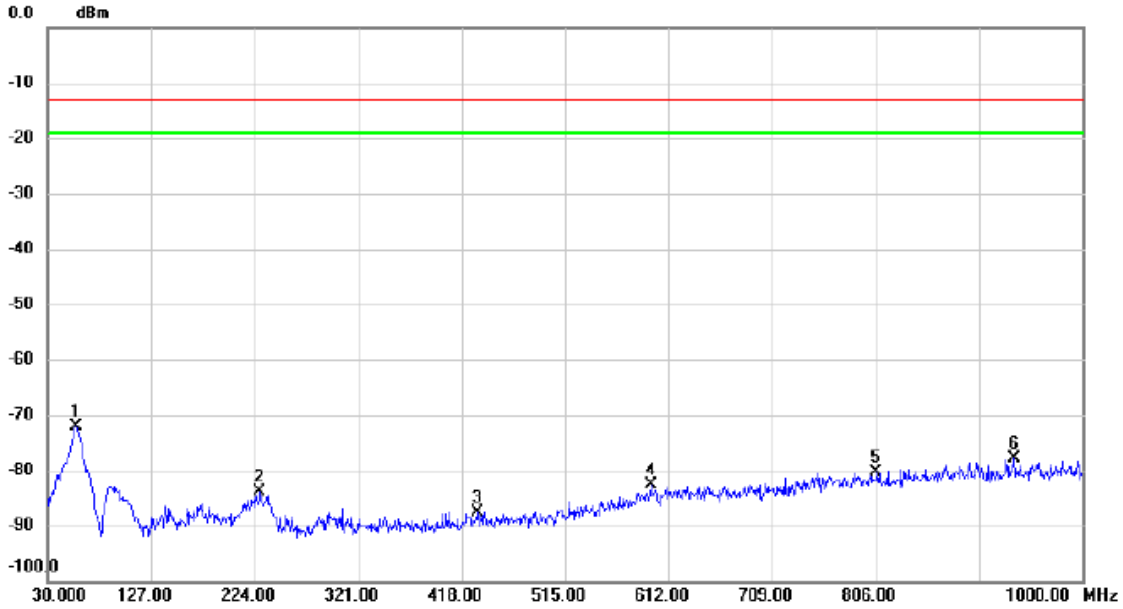
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		144.4600	-65.93	-15.29	-81.22	-13.00	-68.22	peak	
2	*	243.4000	-61.08	-16.91	-77.99	-13.00	-64.99	peak	
3		448.0700	-73.79	-12.91	-86.70	-13.00	-73.70	peak	
4		614.9100	-73.64	-8.61	-82.25	-13.00	-69.25	peak	
5		828.3100	-73.43	-6.22	-79.65	-13.00	-66.65	peak	
6		928.2200	-72.87	-5.26	-78.13	-13.00	-65.13	peak	

Test Mode:	LTE Band 12_TX Mode_1.4M

Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	56.1900	-54.75	-17.37	-72.12	-13.00	-59.12	peak	
2		228.8500	-66.56	-17.42	-83.98	-13.00	-70.98	peak	
3		432.5500	-74.59	-12.95	-87.54	-13.00	-74.54	peak	
4		595.5100	-73.68	-8.88	-82.56	-13.00	-69.56	peak	
5		806.9700	-73.97	-6.40	-80.37	-13.00	-67.37	peak	
6		935.9800	-72.54	-5.22	-77.76	-13.00	-64.76	peak	

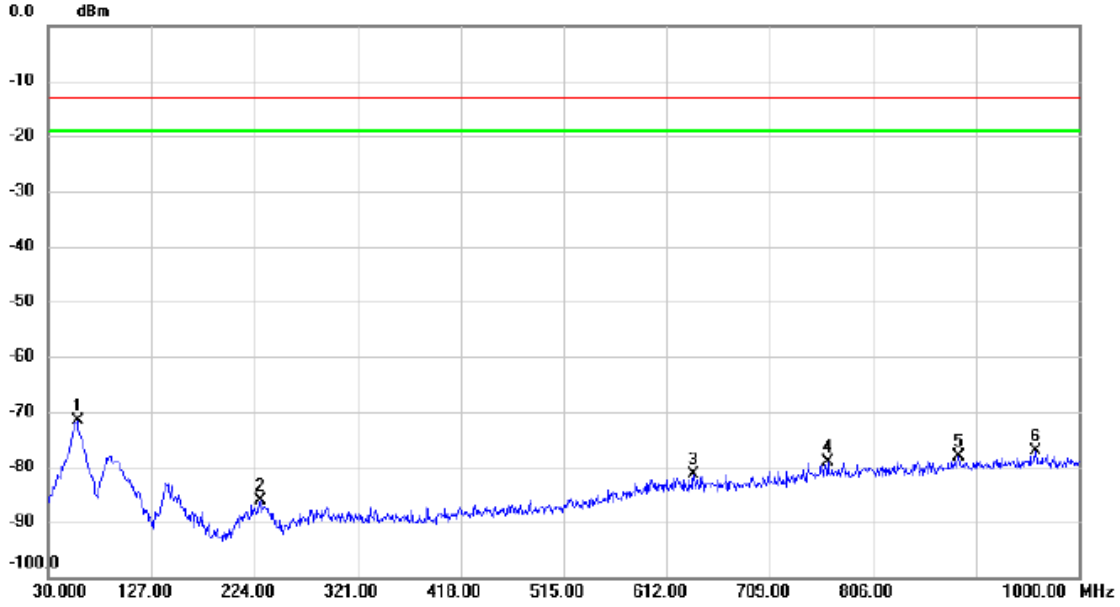
Test Mode:	LTE Band 12_TX Mode_1.4M

Horizontal

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		79.4700	-61.92	-20.29	-82.21	-13.00	-69.21	peak	
2		143.4900	-66.82	-15.38	-82.20	-13.00	-69.20	peak	
3		266.6800	-63.64	-16.02	-79.66	-13.00	-66.66	peak	
4		634.3100	-72.14	-8.55	-80.69	-13.00	-67.69	peak	
5		816.6700	-73.25	-6.32	-79.57	-13.00	-66.57	peak	
6	*	957.3200	-71.99	-5.11	-77.10	-13.00	-64.10	peak	

Test Mode:	LTE Band 12_TX Mode_5M

Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	57.1600	-54.30	-17.41	-71.71	-13.00	-58.71	peak	
2		229.8200	-68.74	-17.36	-86.10	-13.00	-73.10	peak	
3		637.2200	-72.86	-8.55	-81.41	-13.00	-68.41	peak	
4		763.3200	-72.56	-6.60	-79.16	-13.00	-66.16	peak	
5		886.5100	-72.55	-5.58	-78.13	-13.00	-65.13	peak	
6		959.2600	-72.05	-5.09	-77.14	-13.00	-64.14	peak	

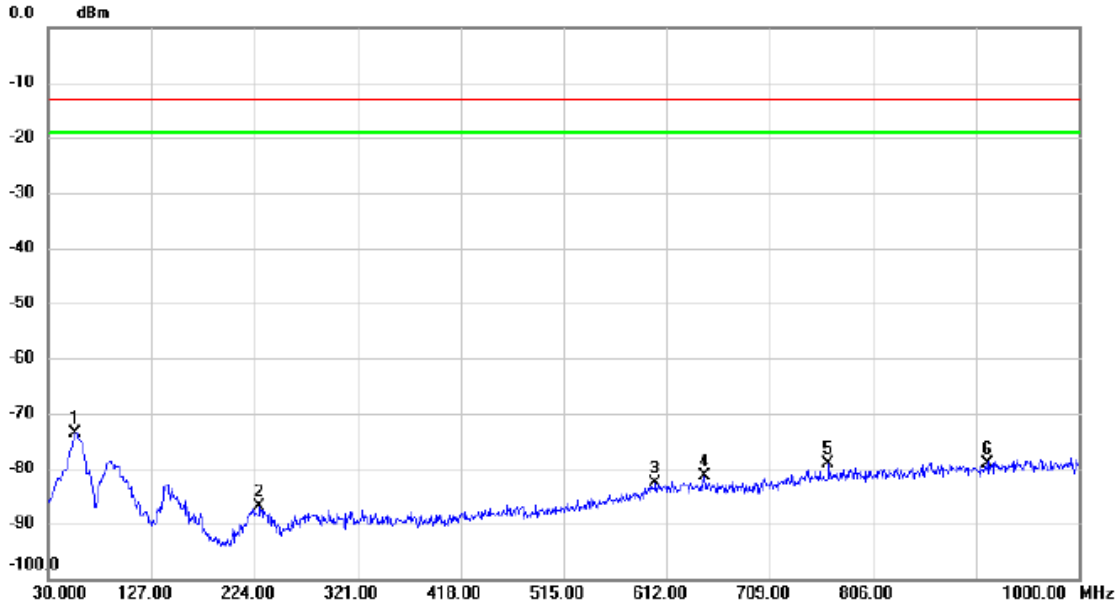
Test Mode:	LTE Band 12_TX Mode_5M

Horizontal

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		80.4400	-61.09	-20.30	-81.39	-13.00	-68.39	peak	
2		260.8600	-67.09	-16.39	-83.48	-13.00	-70.48	peak	
3		624.6100	-72.85	-8.58	-81.43	-13.00	-68.43	peak	
4		813.7600	-73.19	-6.34	-79.53	-13.00	-66.53	peak	
5	*	886.5100	-72.24	-5.58	-77.82	-13.00	-64.82	peak	
6		982.5400	-73.01	-4.97	-77.98	-13.00	-64.98	peak	

Test Mode:	LTE Band 12_TX Mode_10M

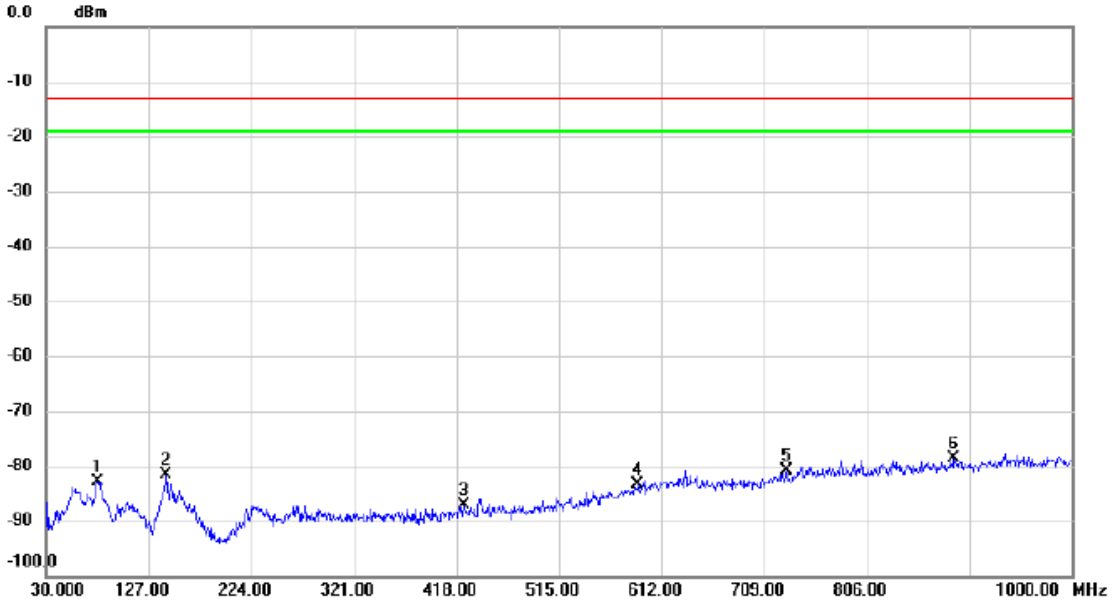
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	55.2200	-56.23	-17.30	-73.53	-13.00	-60.53	peak	
2		228.8500	-69.48	-17.42	-86.90	-13.00	-73.90	peak	
3		601.3300	-74.00	-8.65	-82.65	-13.00	-69.65	peak	
4		647.8900	-72.93	-8.51	-81.44	-13.00	-68.44	peak	
5		764.2900	-72.60	-6.60	-79.20	-13.00	-66.20	peak	
6		913.6700	-73.90	-5.34	-79.24	-13.00	-66.24	peak	

Test Mode:	LTE Band 12_TX Mode_10M

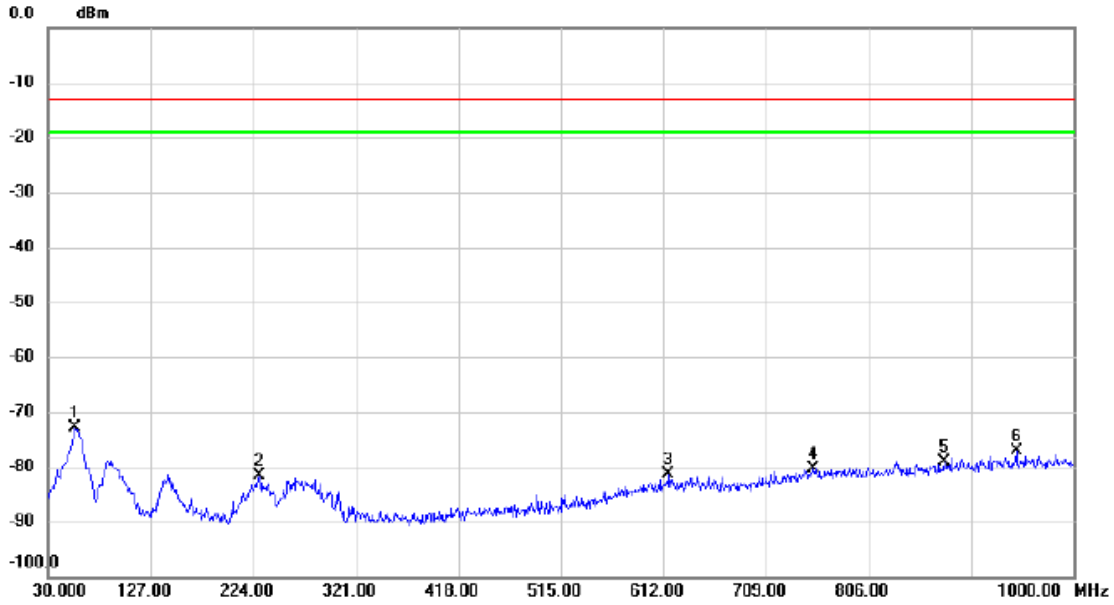
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		78.5000	-62.47	-20.30	-82.77	-13.00	-69.77	peak	
2		143.4900	-66.20	-15.38	-81.58	-13.00	-68.58	peak	
3		424.7900	-74.06	-12.99	-87.05	-13.00	-74.05	peak	
4		589.6900	-74.11	-9.19	-83.30	-13.00	-70.30	peak	
5		730.3400	-73.37	-7.42	-80.79	-13.00	-67.79	peak	
6	*	888.4500	-73.07	-5.55	-78.62	-13.00	-65.62	peak	

Test Mode:	LTE Band 13_TX Mode_5M

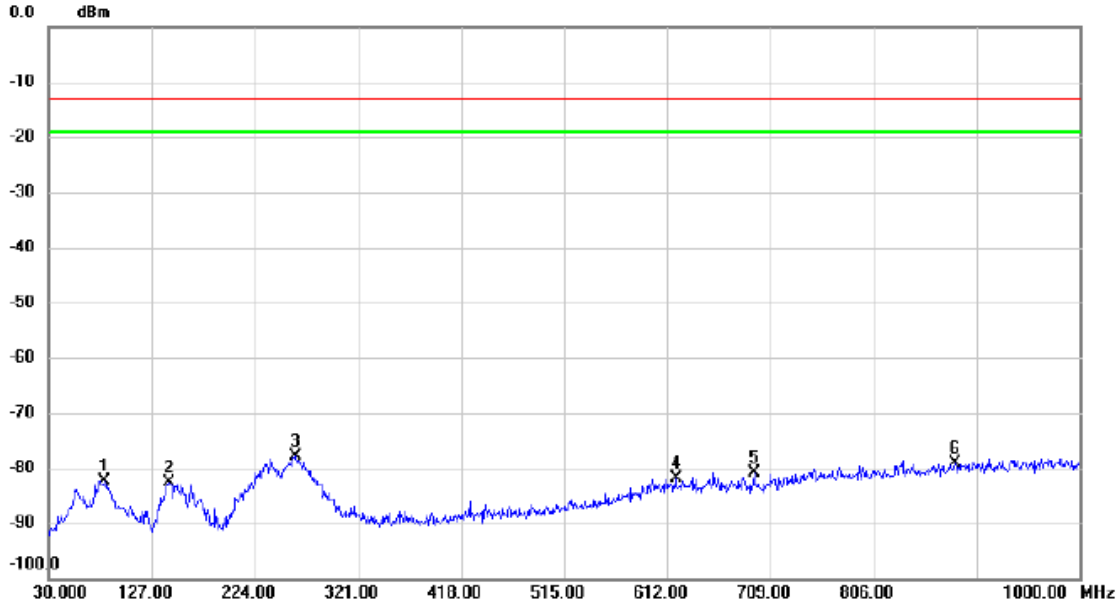
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	55.2200	-55.63	-17.30	-72.93	-13.00	-59.93	peak	
2		229.8200	-64.28	-17.36	-81.64	-13.00	-68.64	peak	
3		616.8500	-72.82	-8.60	-81.42	-13.00	-68.42	peak	
4		753.6200	-73.65	-6.65	-80.30	-13.00	-67.30	peak	
5		877.7800	-73.53	-5.69	-79.22	-13.00	-66.22	peak	
6		945.6800	-71.88	-5.16	-77.04	-13.00	-64.04	peak	

Test Mode:	LTE Band 13_TX Mode_5M

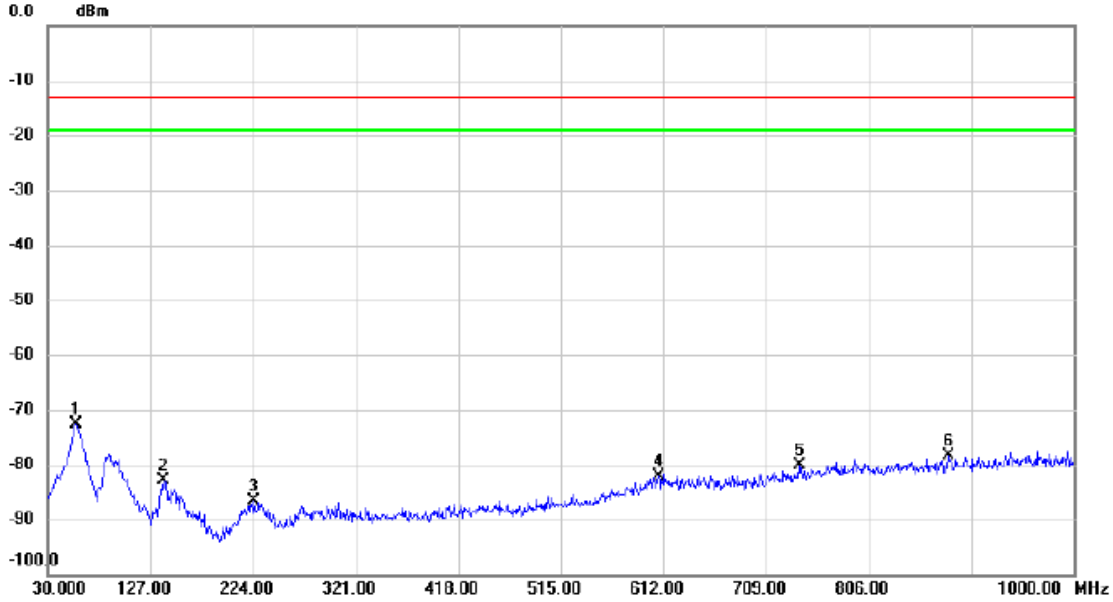
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		82.3800	-61.96	-20.34	-82.30	-13.00	-69.30	peak	
2		142.5200	-67.28	-15.46	-82.74	-13.00	-69.74	peak	
3	*	261.8300	-61.54	-16.33	-77.87	-13.00	-64.87	peak	
4		619.7600	-73.19	-8.60	-81.79	-13.00	-68.79	peak	
5		693.4800	-72.33	-8.56	-80.89	-13.00	-67.89	peak	
6		882.6300	-73.50	-5.63	-79.13	-13.00	-66.13	peak	

Test Mode:	LTE Band 13_TX Mode_10M

Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	56.1900	-55.35	-17.37	-72.72	-13.00	-59.72	peak	
2		139.6100	-67.17	-15.74	-82.91	-13.00	-69.91	peak	
3		224.9700	-68.91	-17.66	-86.57	-13.00	-73.57	peak	
4		607.1500	-73.39	-8.63	-82.02	-13.00	-69.02	peak	
5		740.0400	-73.16	-7.04	-80.20	-13.00	-67.20	peak	
6		881.6600	-72.74	-5.63	-78.37	-13.00	-65.37	peak	

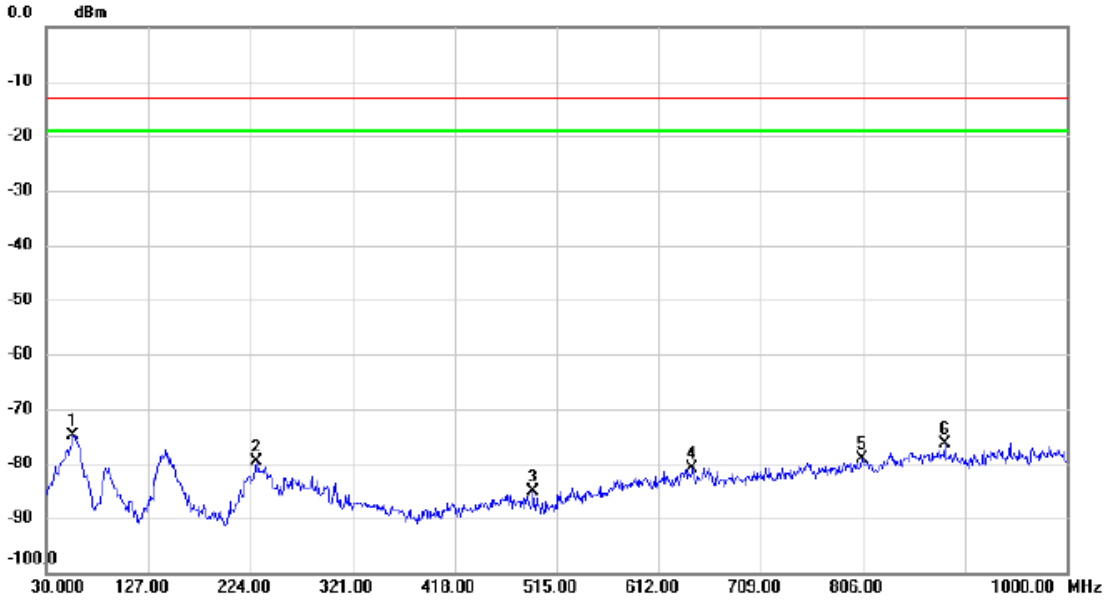
Test Mode:	LTE Band 13_TX Mode_10M

Horizontal

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		79.4700	-62.26	-20.29	-82.55	-13.00	-69.55	peak	
2		139.6100	-67.39	-15.74	-83.13	-13.00	-70.13	peak	
3		264.7400	-70.31	-16.15	-86.46	-13.00	-73.46	peak	
4		673.1100	-72.34	-8.55	-80.89	-13.00	-67.89	peak	
5		750.7100	-72.93	-6.66	-79.59	-13.00	-66.59	peak	
6	*	829.2800	-72.18	-6.21	-78.39	-13.00	-65.39	peak	

Test Mode:	LTE Band 14_TX Mode_5M

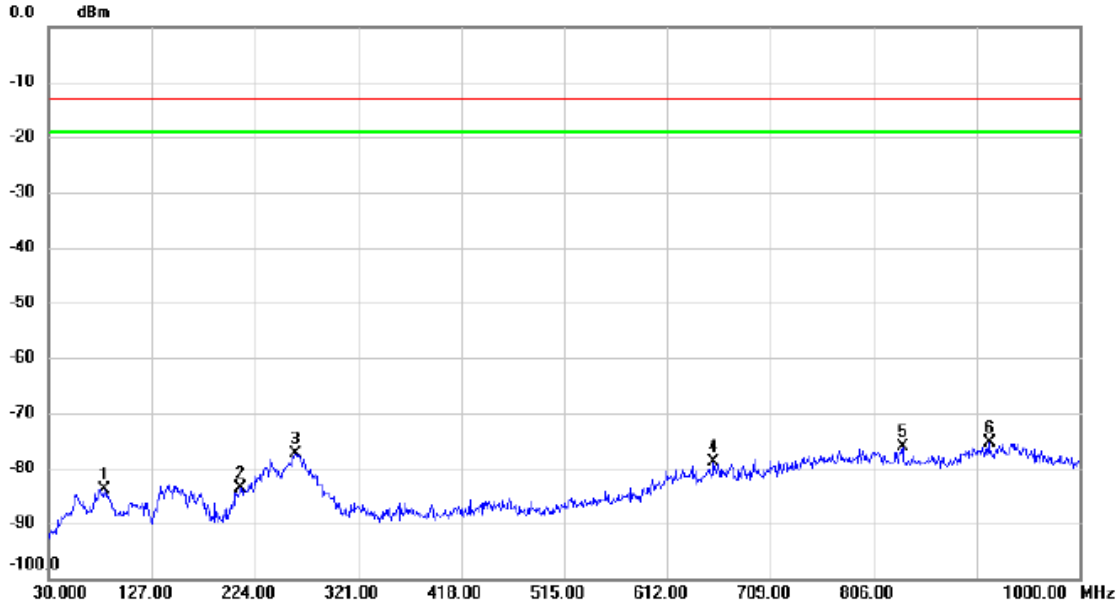
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	55.2200	-57.63	-17.30	-74.93	-13.00	-61.93	peak	
2		229.8200	-62.28	-17.36	-79.64	-13.00	-66.64	peak	
3		492.6900	-72.33	-12.70	-85.03	-13.00	-72.03	peak	
4		644.0100	-72.35	-8.53	-80.88	-13.00	-67.88	peak	
5		805.0300	-72.58	-6.42	-79.00	-13.00	-66.00	peak	
6		883.6000	-70.78	-5.62	-76.40	-13.00	-63.40	peak	

Test Mode:	LTE Band 14_TX Mode_5M

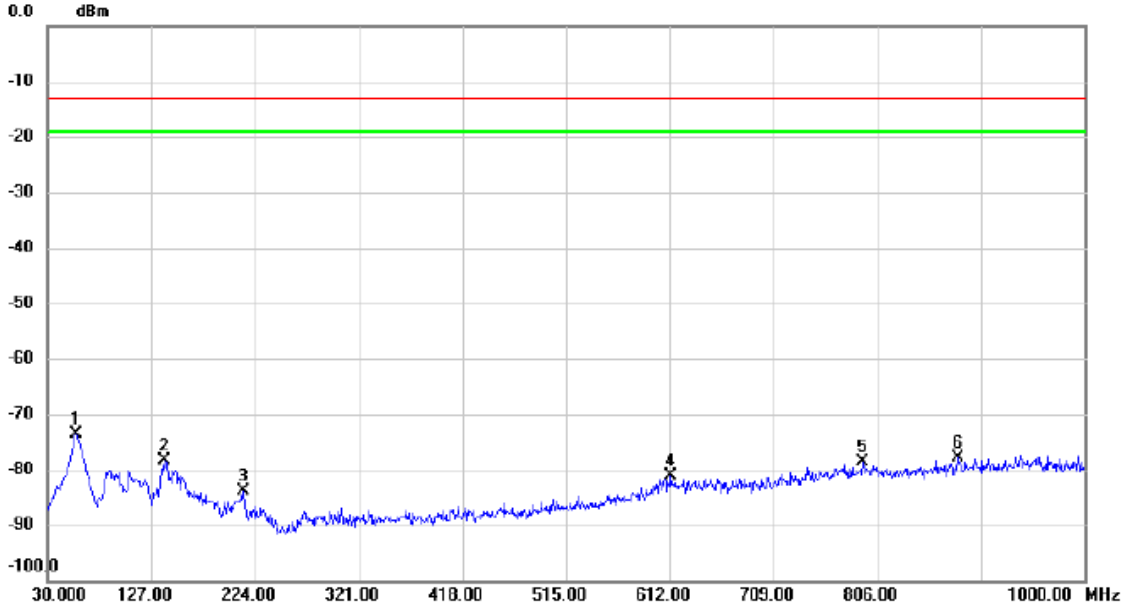
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		82.3800	-63.46	-20.34	-83.80	-13.00	-70.80	peak	
2		210.4200	-65.30	-18.30	-83.60	-13.00	-70.60	peak	
3		261.8300	-61.04	-16.33	-77.37	-13.00	-64.37	peak	
4		655.6500	-70.32	-8.51	-78.83	-13.00	-65.83	peak	
5		833.1600	-70.00	-6.18	-76.18	-13.00	-63.18	peak	
6	*	914.6400	-70.10	-5.34	-75.44	-13.00	-62.44	peak	

Test Mode:	LTE Band 14_TX Mode_10M

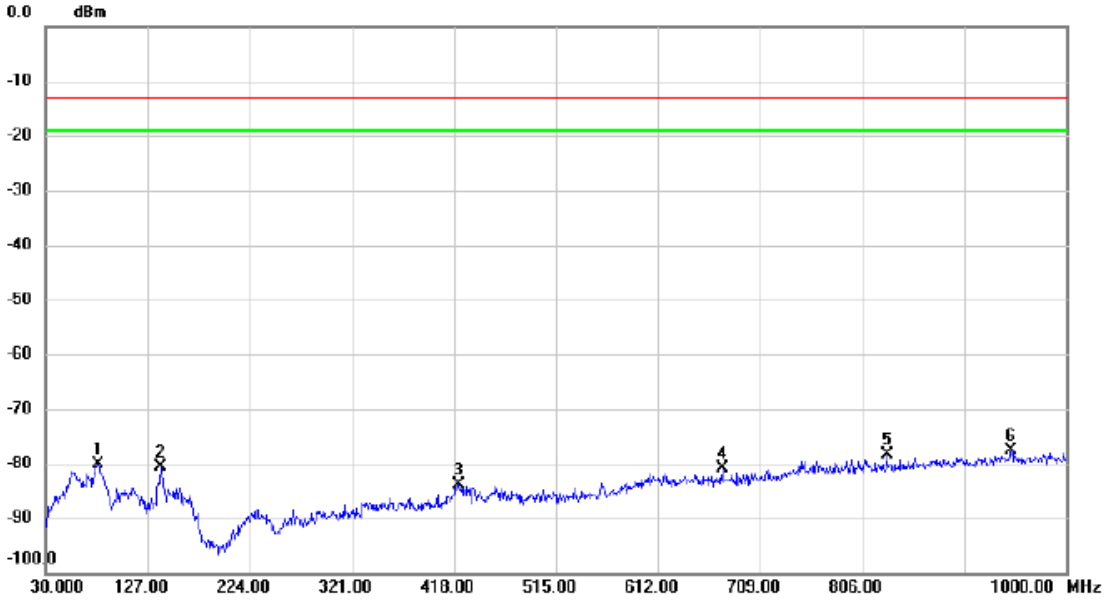
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	56.1900	-56.35	-17.37	-73.72	-13.00	-60.72	peak	
2		139.6100	-62.67	-15.74	-78.41	-13.00	-65.41	peak	
3		212.3600	-65.71	-18.23	-83.94	-13.00	-70.94	peak	
4		612.9700	-72.63	-8.61	-81.24	-13.00	-68.24	peak	
5		792.4200	-72.25	-6.49	-78.74	-13.00	-65.74	peak	
6		881.6600	-72.24	-5.63	-77.87	-13.00	-64.87	peak	

Test Mode:	LTE Band 14_TX Mode_10M

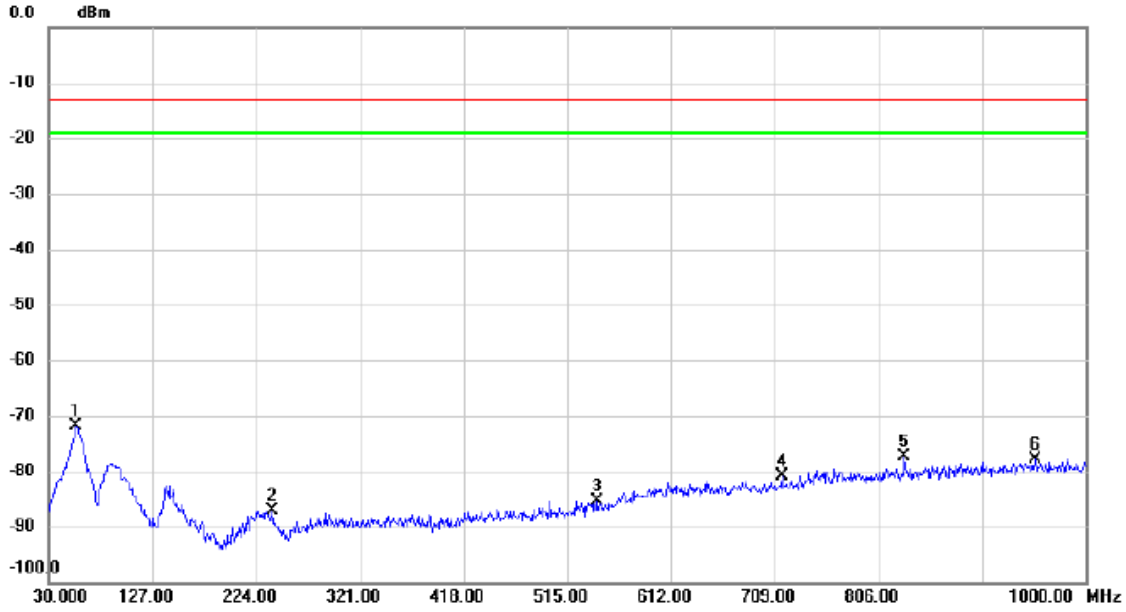
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		79.4700	-59.76	-20.29	-80.05	-13.00	-67.05	peak	
2		139.6100	-64.89	-15.74	-80.63	-13.00	-67.63	peak	
3		421.8800	-70.74	-13.01	-83.75	-13.00	-70.75	peak	
4		673.1100	-72.34	-8.55	-80.89	-13.00	-67.89	peak	
5		829.2800	-72.18	-6.21	-78.39	-13.00	-65.39	peak	
6	*	947.6200	-72.52	-5.15	-77.67	-13.00	-64.67	peak	

Test Mode:	LTE Band 17_TX Mode_5M

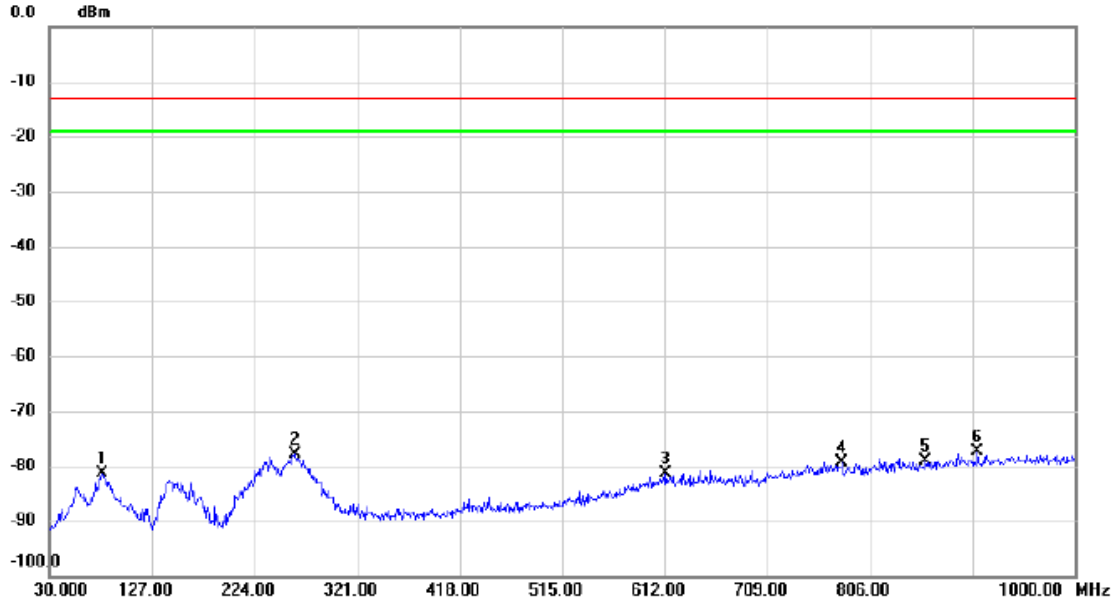
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	55.2200	-54.52	-17.30	-71.82	-13.00	-58.82	peak	
2		238.5500	-70.04	-16.98	-87.02	-13.00	-74.02	peak	
3		542.1600	-73.84	-11.46	-85.30	-13.00	-72.30	peak	
4		715.7900	-73.03	-7.96	-80.99	-13.00	-67.99	peak	
5		830.2500	-71.15	-6.20	-77.35	-13.00	-64.35	peak	
6		952.4700	-72.63	-5.14	-77.77	-13.00	-64.77	peak	

Test Mode:	LTE Band 17_TX Mode_5M

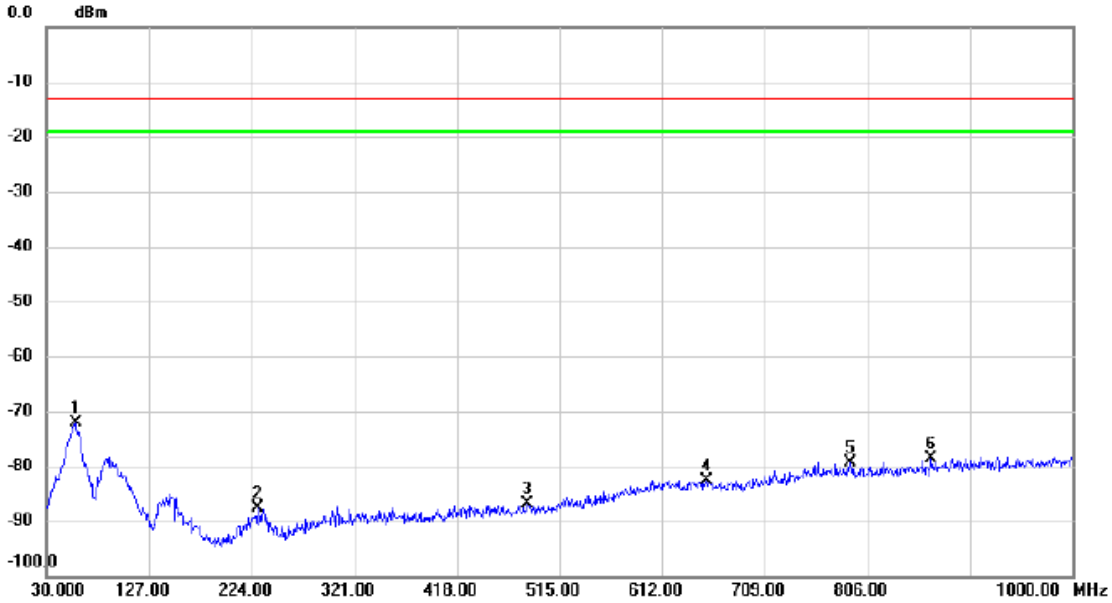
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		79.4700	-60.97	-20.29	-81.26	-13.00	-68.26	peak	
2		261.8300	-61.54	-16.33	-77.87	-13.00	-64.87	peak	
3		612.9700	-72.75	-8.61	-81.36	-13.00	-68.36	peak	
4		779.8100	-72.84	-6.54	-79.38	-13.00	-66.38	peak	
5		858.3800	-73.20	-5.93	-79.13	-13.00	-66.13	peak	
6	*	907.8500	-71.94	-5.36	-77.30	-13.00	-64.30	peak	

Test Mode:	LTE Band 17_TX Mode_10M

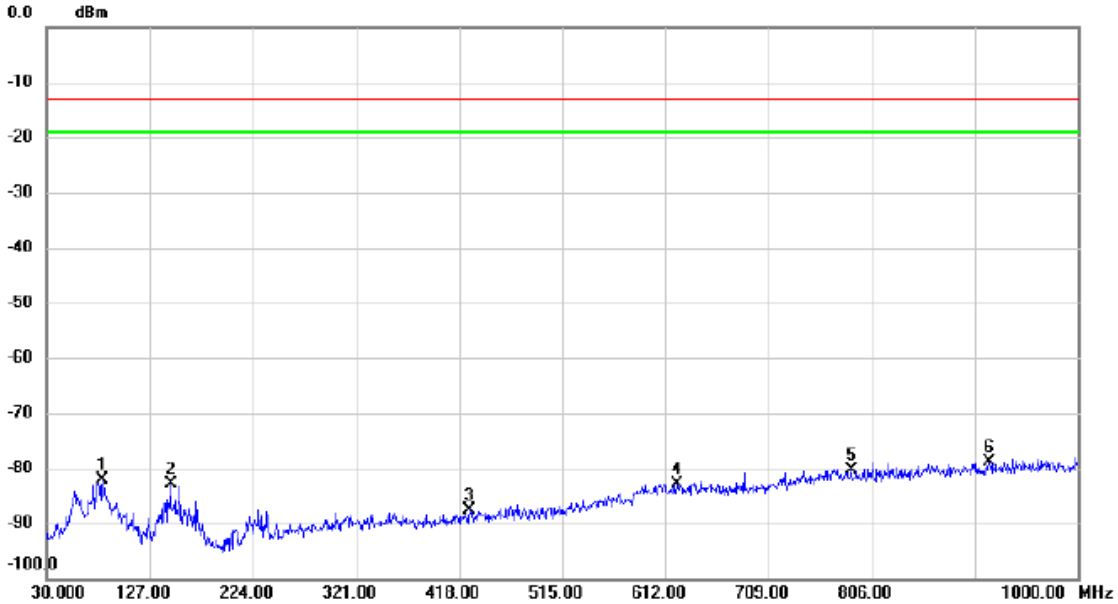
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	57.1600	-54.82	-17.41	-72.23	-13.00	-59.23	peak	
2		229.8200	-70.32	-17.36	-87.68	-13.00	-74.68	peak	
3		484.9300	-74.12	-12.78	-86.90	-13.00	-73.90	peak	
4		653.7100	-74.06	-8.52	-82.58	-13.00	-69.58	peak	
5		789.5100	-72.86	-6.50	-79.36	-13.00	-66.36	peak	
6		866.1400	-72.86	-5.83	-78.69	-13.00	-65.69	peak	

Test Mode:	LTE Band 17_TX Mode_10M

Horizontal

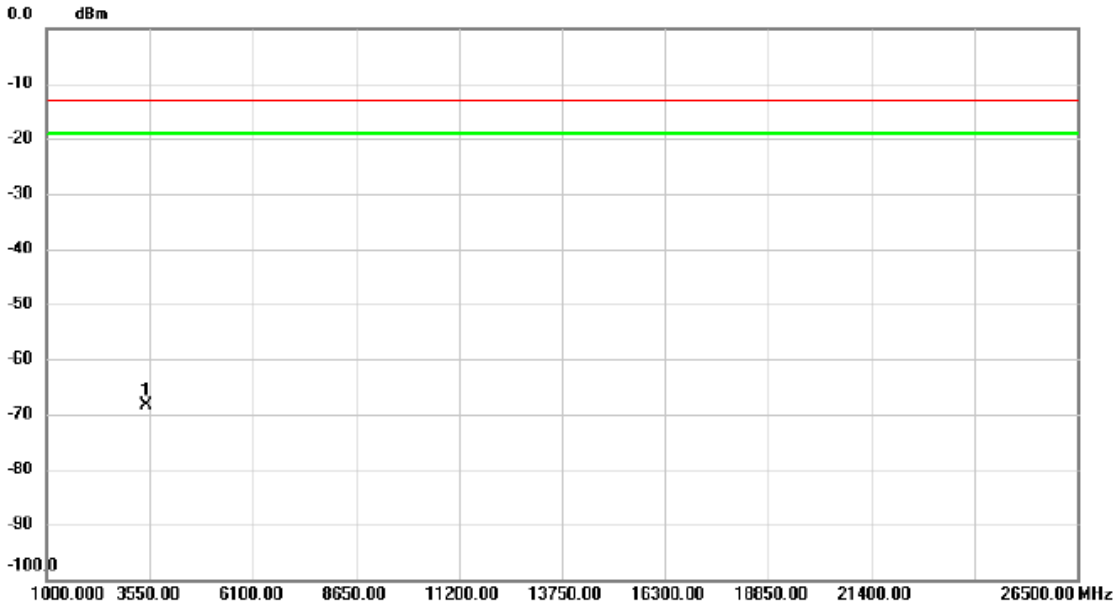


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		82.3800	-61.73	-20.34	-82.07	-13.00	-69.07	peak	
2		146.4000	-67.73	-15.12	-82.85	-13.00	-69.85	peak	
3		427.7000	-74.70	-12.97	-87.67	-13.00	-74.67	peak	
4		622.6700	-74.28	-8.58	-82.86	-13.00	-69.86	peak	
5		786.6000	-73.86	-6.52	-80.38	-13.00	-67.38	peak	
6	*	916.5800	-73.45	-5.32	-78.77	-13.00	-65.77	peak	

APPENDIX F - RADIATED EMISSION (ABOVE 1GHZ)

Test Mode:	WCDMA Band IV _TX CH1413

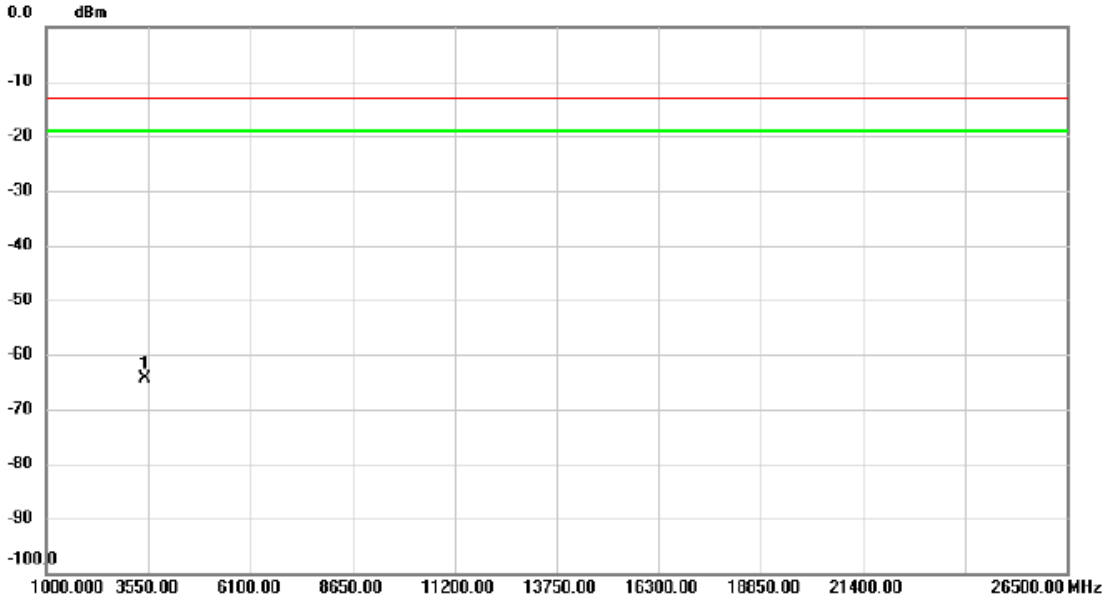
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	3466.905	-54.28	-13.99	-68.27	-13.00	-55.27	peak	

Test Mode:	WCDMA Band IV _TX CH1413

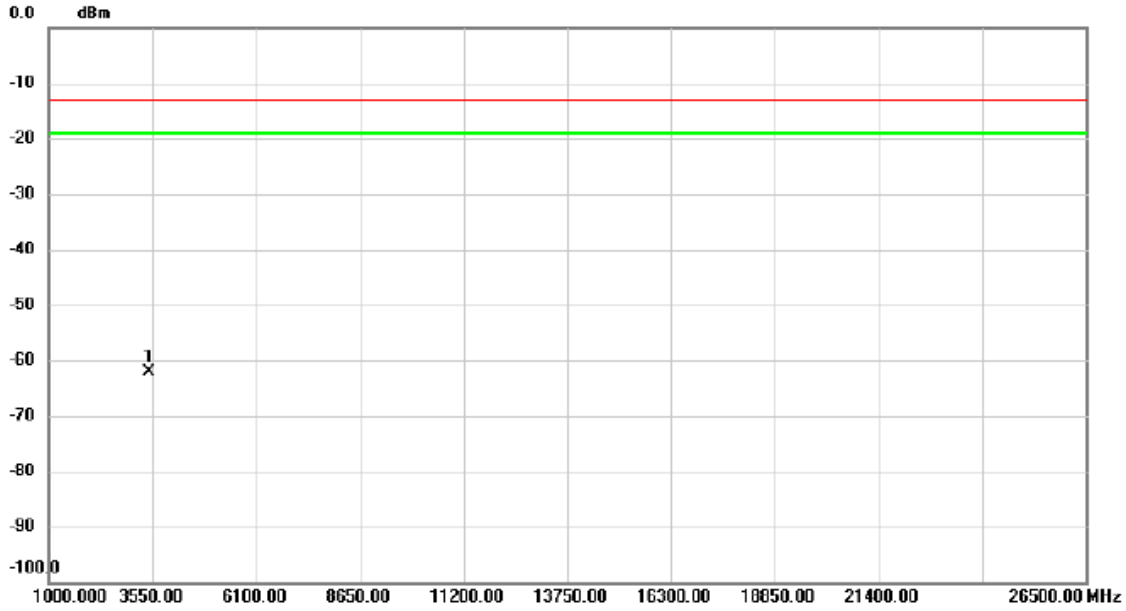
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	3466.800	-50.26	-13.99	-64.25	-13.00	-51.25	peak	

Test Mode:	LTE Band 4_TX CH20175_1.4M

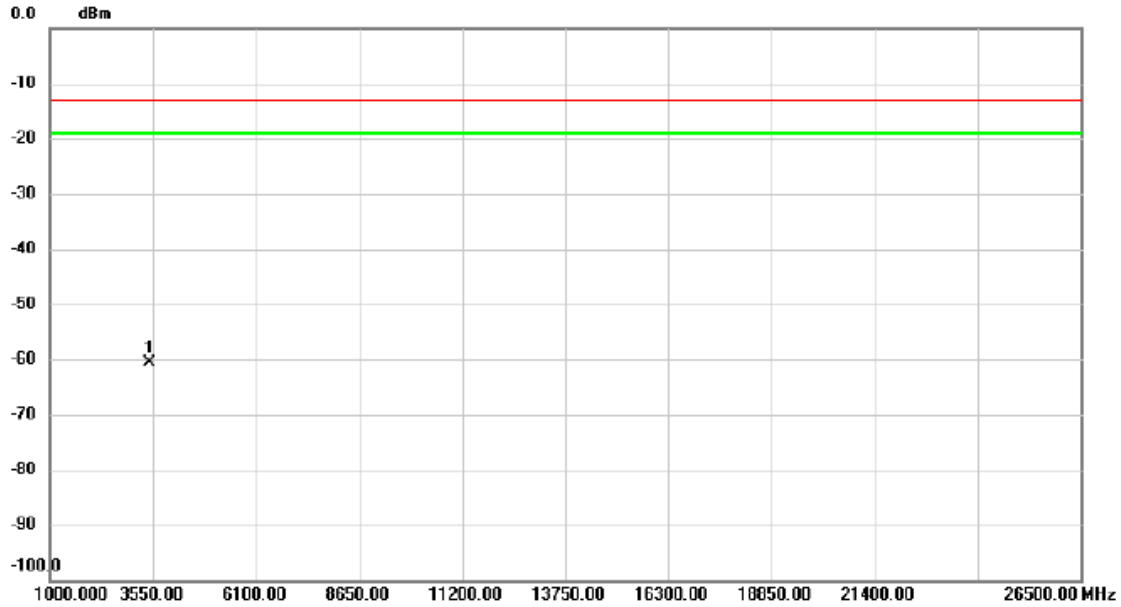
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	3464.760	-48.15	-13.99	-62.14	-13.00	-49.14	peak	

Test Mode:	LTE Band 4_TX CH20175_1.4M

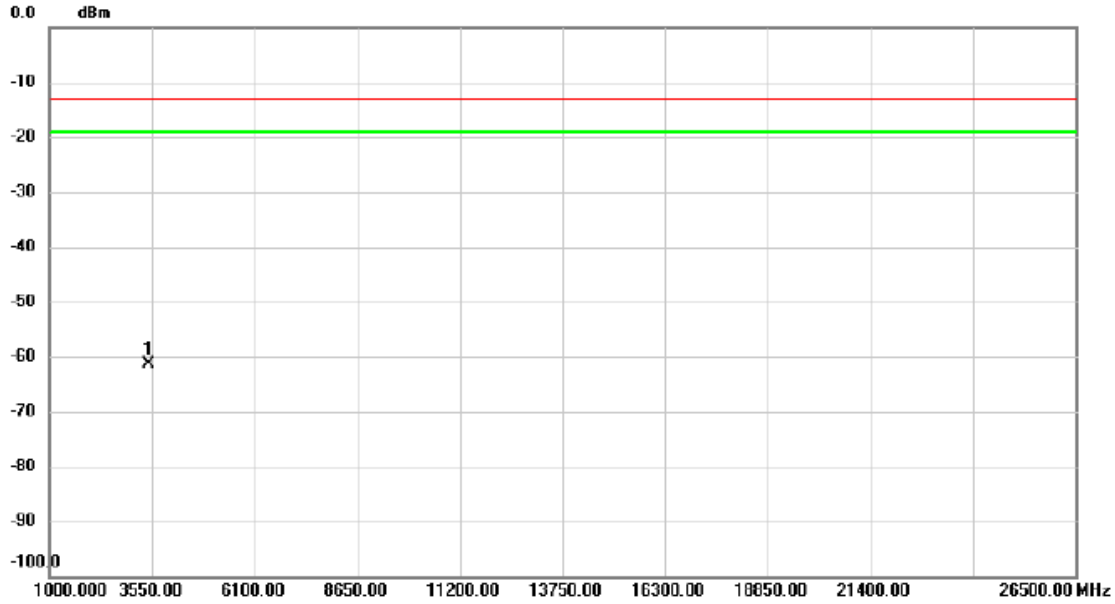
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	3467.480	-46.61	-13.99	-60.60	-13.00	-47.60	peak	

Test Mode:	LTE Band 4_TX CH20175_5M

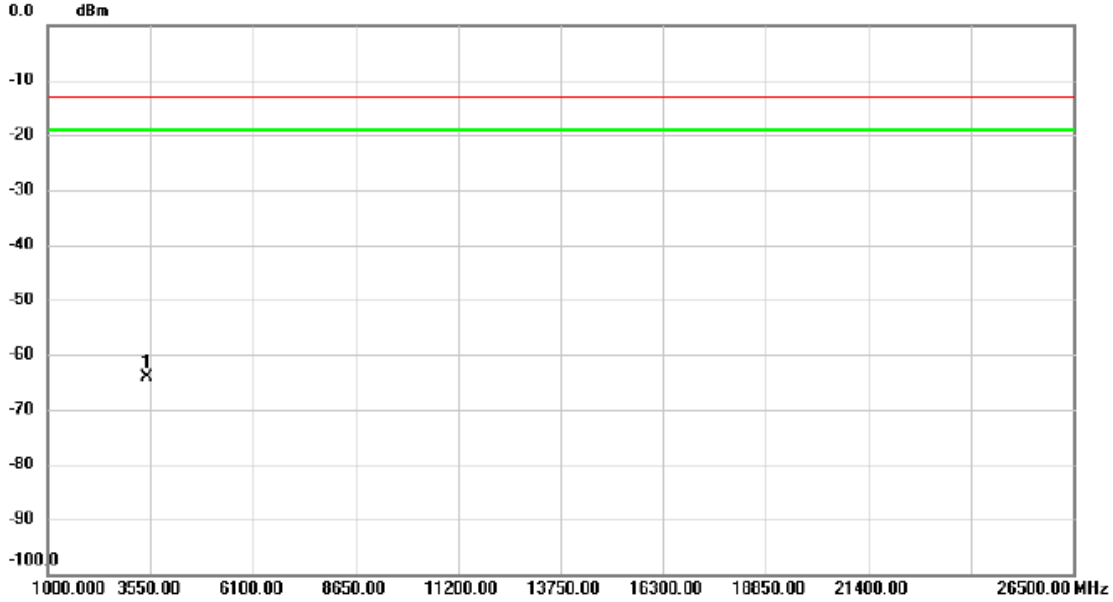
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	3464.500	-47.47	-13.99	-61.46	-13.00	-48.46	peak	

Test Mode:	LTE Band 4_TX CH20175_5M

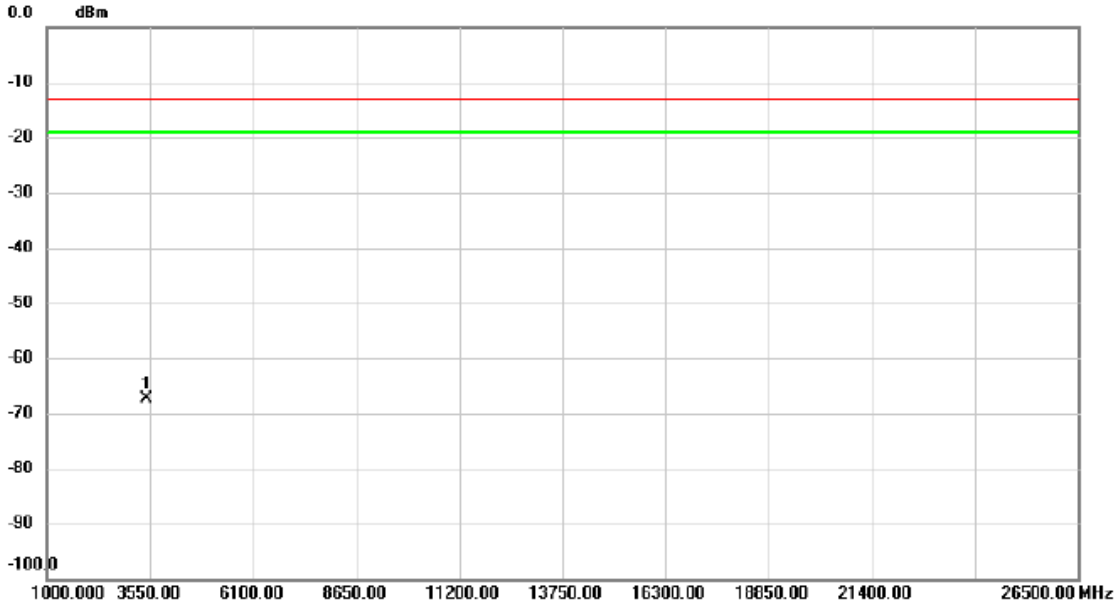
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	3466.375	-50.23	-13.99	-64.22	-13.00	-51.22	peak	

Test Mode:	LTE Band 4_TX CH20175_20M

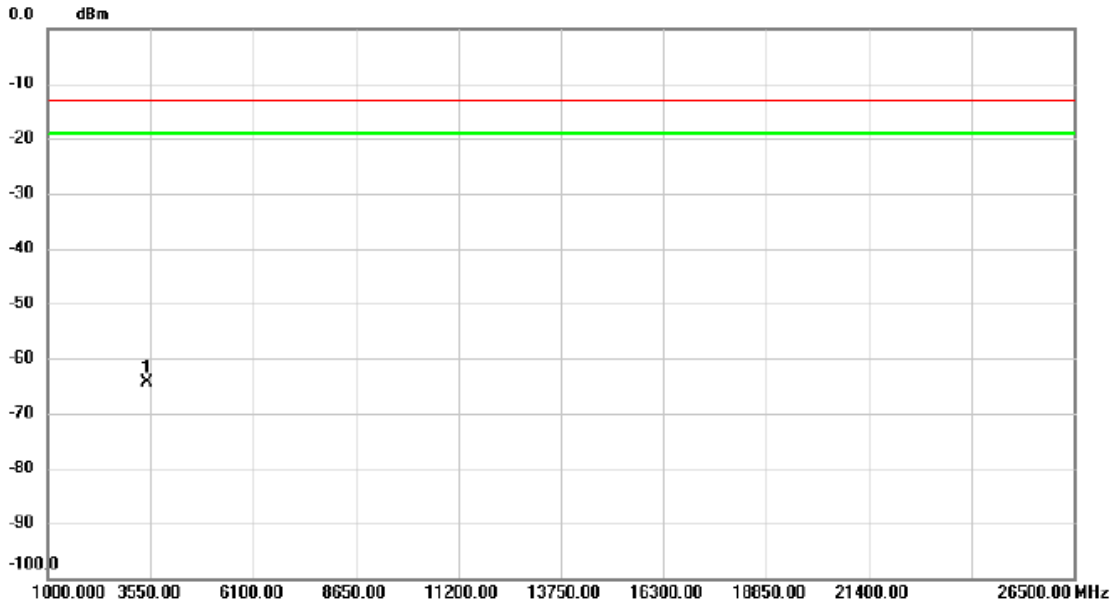
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	3468.945	-53.50	-13.99	-67.49	-13.00	-54.49	peak	

Test Mode:	LTE Band 4_TX CH20175_20M

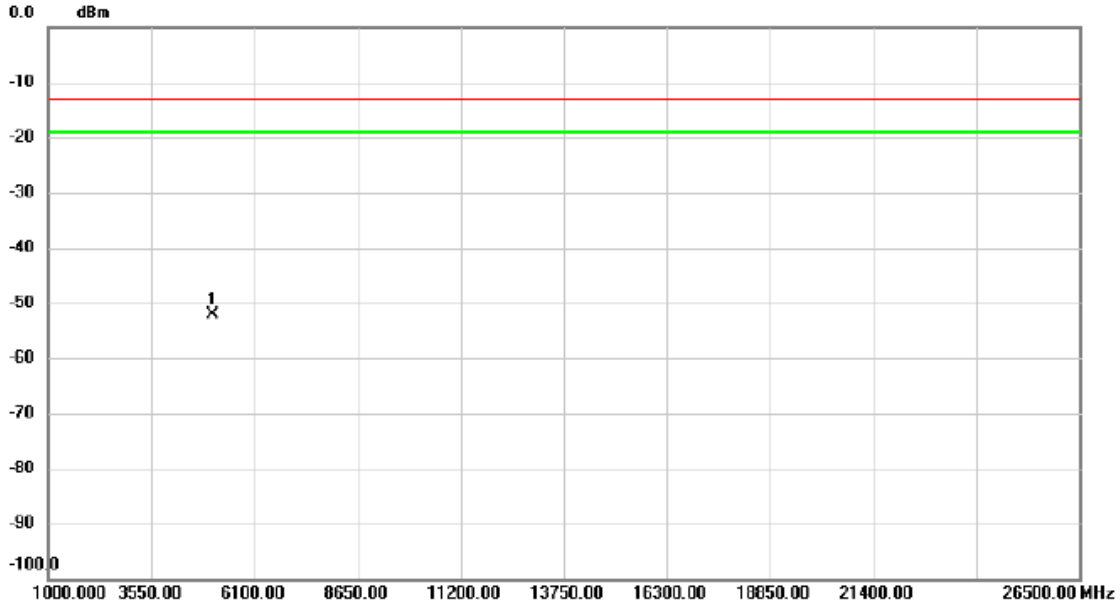
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	3466.470	-50.31	-13.99	-64.30	-13.00	-51.30	peak	

Test Mode:	LTE Band 7_TX CH21100_5M

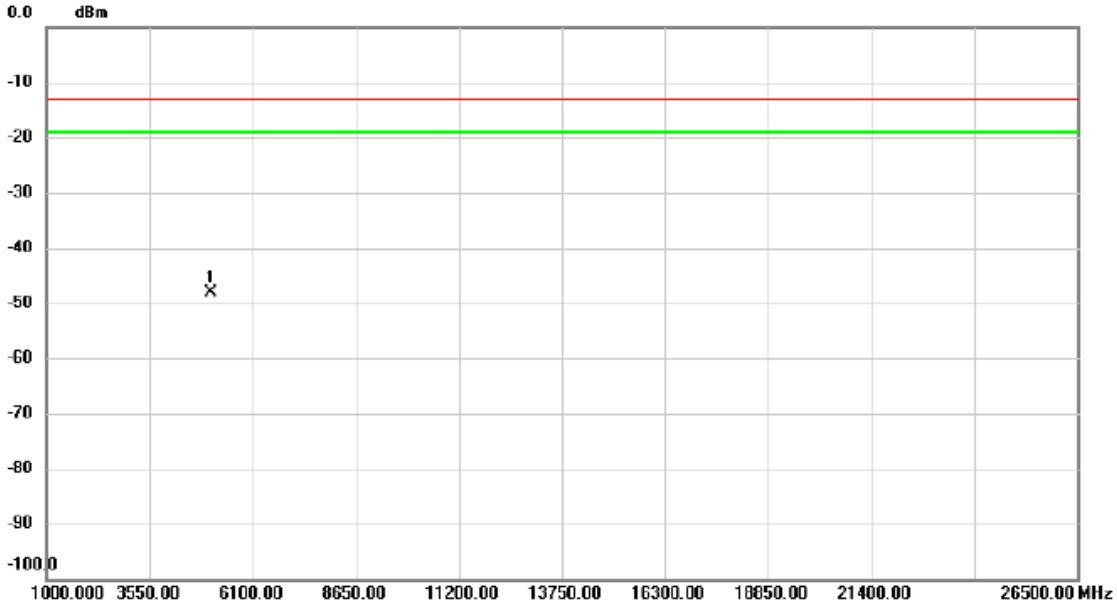
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	5067.530	-43.25	-8.93	-52.18	-13.00	-39.18	peak	

Test Mode:	LTE Band 7_TX CH21100_5M

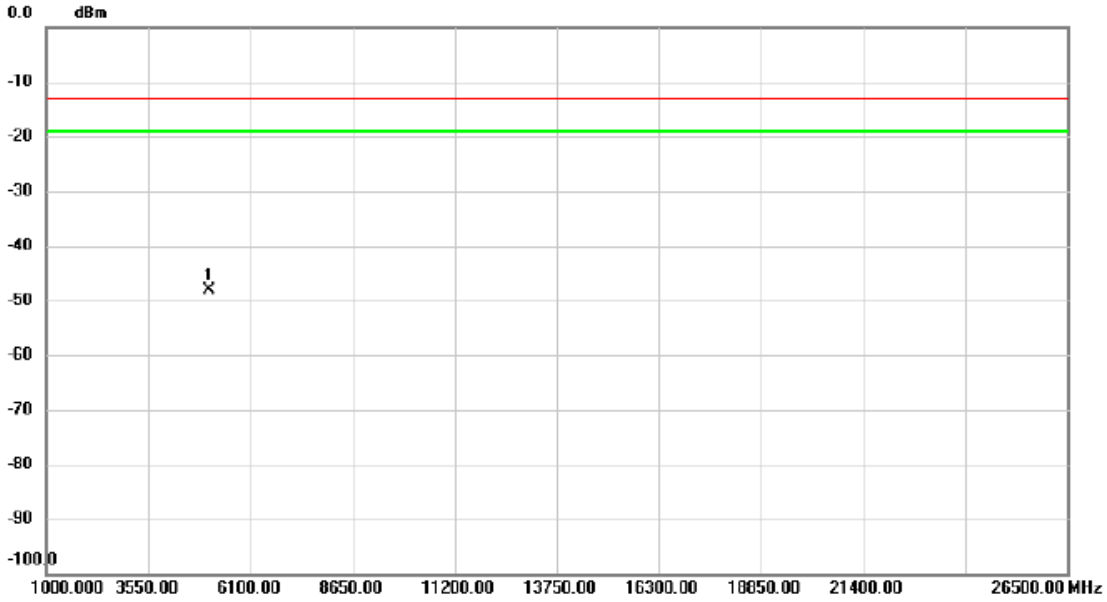
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	5070.575	-39.19	-8.92	-48.11	-13.00	-35.11	peak	

Test Mode:	LTE Band 7_TX CH21100_20M

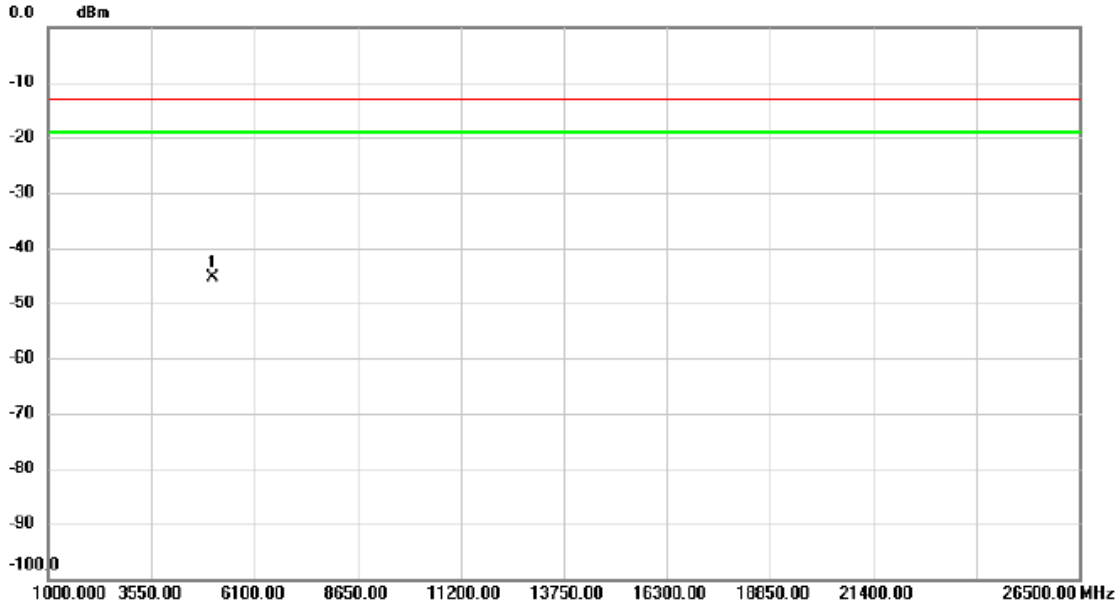
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	5072.000	-39.31	-8.92	-48.23	-13.00	-35.23	peak	

Test Mode:	LTE Band 7_TX CH21100_20M

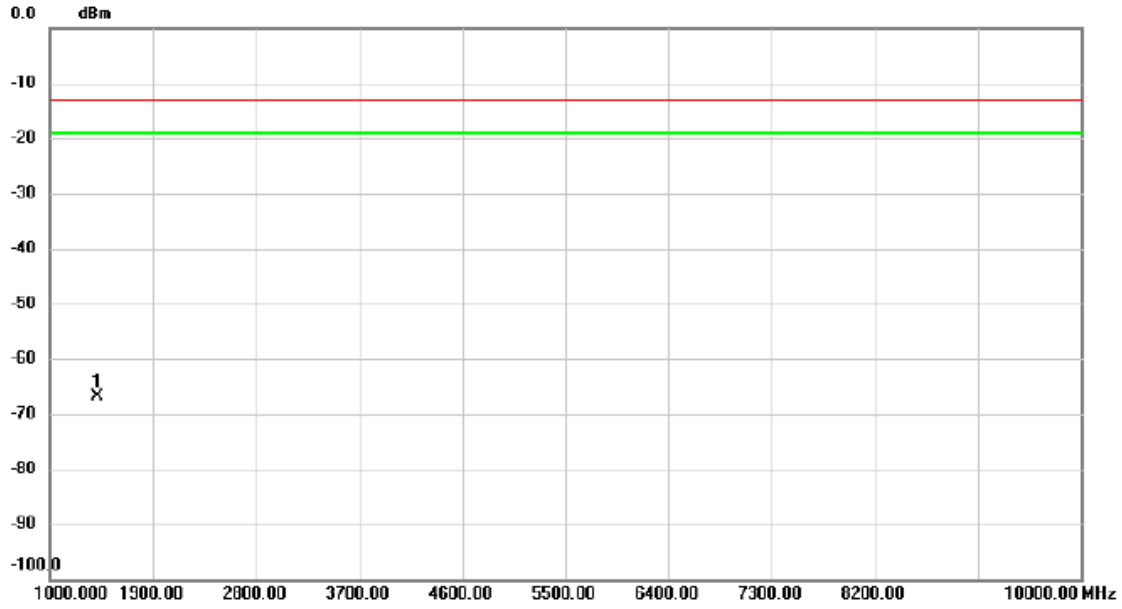
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	5061.120	-36.32	-8.93	-45.25	-13.00	-32.25	peak	

Test Mode:	LTE Band 12_TX CH23095_1.4M

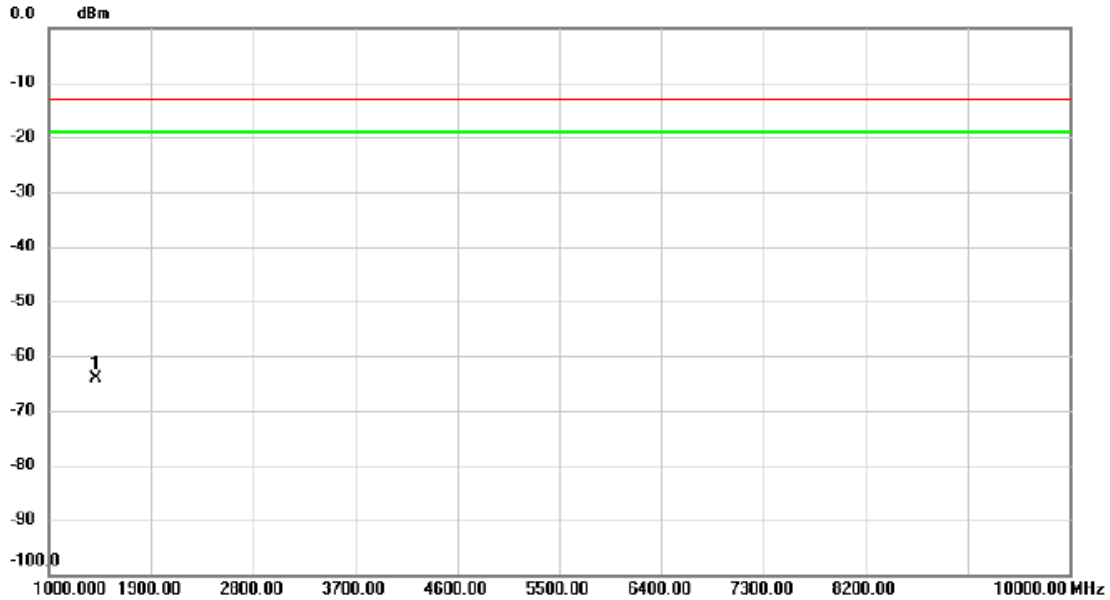
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	1415.000	-47.04	-19.72	-66.76	-13.00	-53.76	peak	

Test Mode:	LTE Band 12_TX CH23095_1.4M

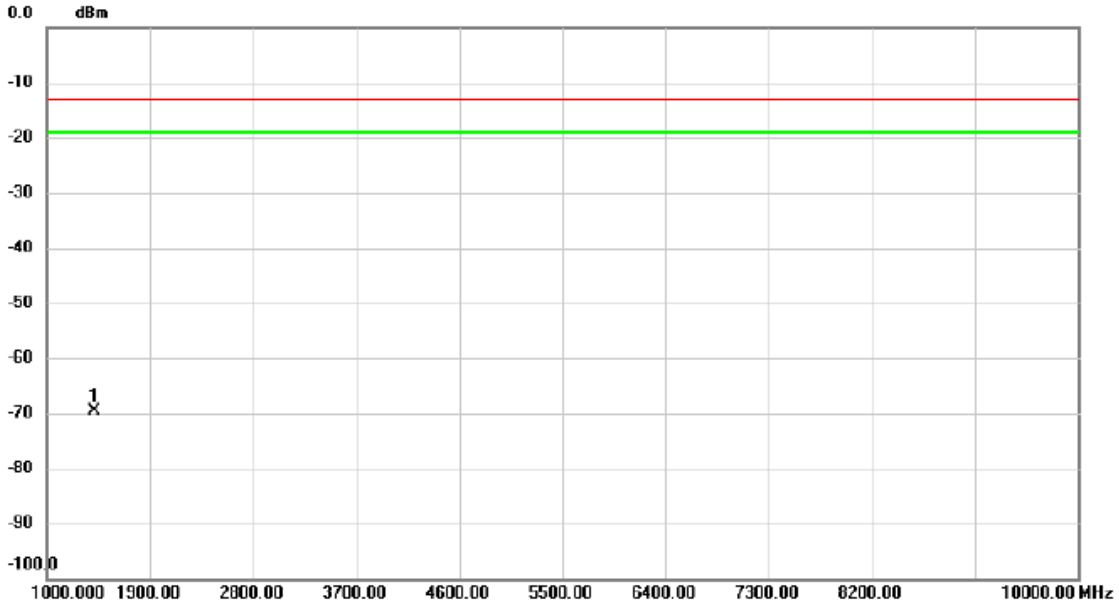
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	1414.790	-44.46	-19.72	-64.18	-13.00	-51.18	peak	

Test Mode:	LTE Band 12_TX CH23095_5M

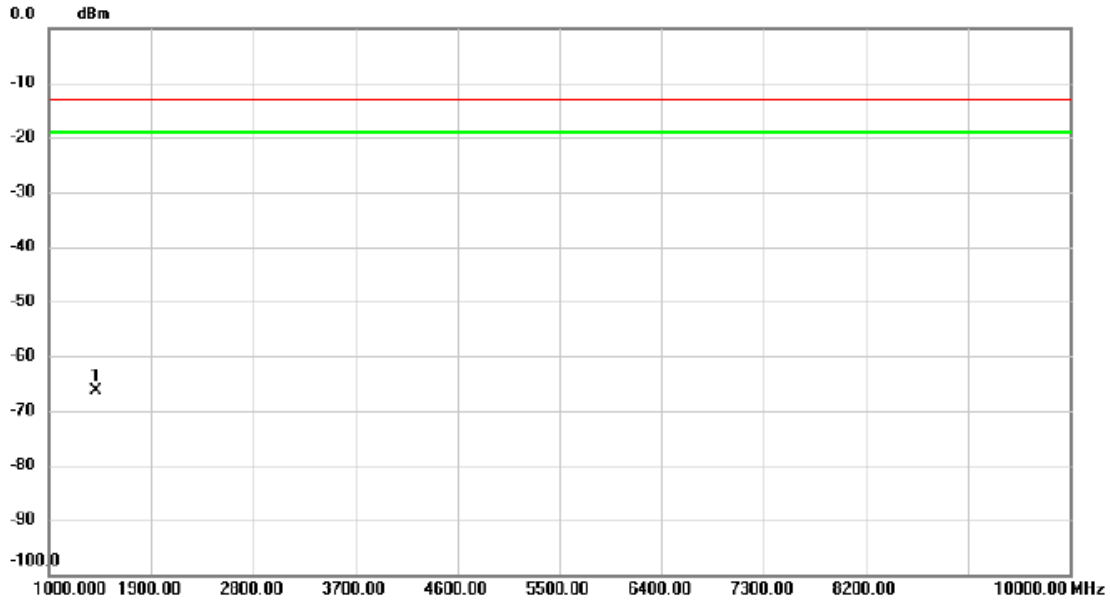
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	1415.120	-49.99	-19.72	-69.71	-13.00	-56.71	peak	

Test Mode:	LTE Band 12_TX CH23095_5M

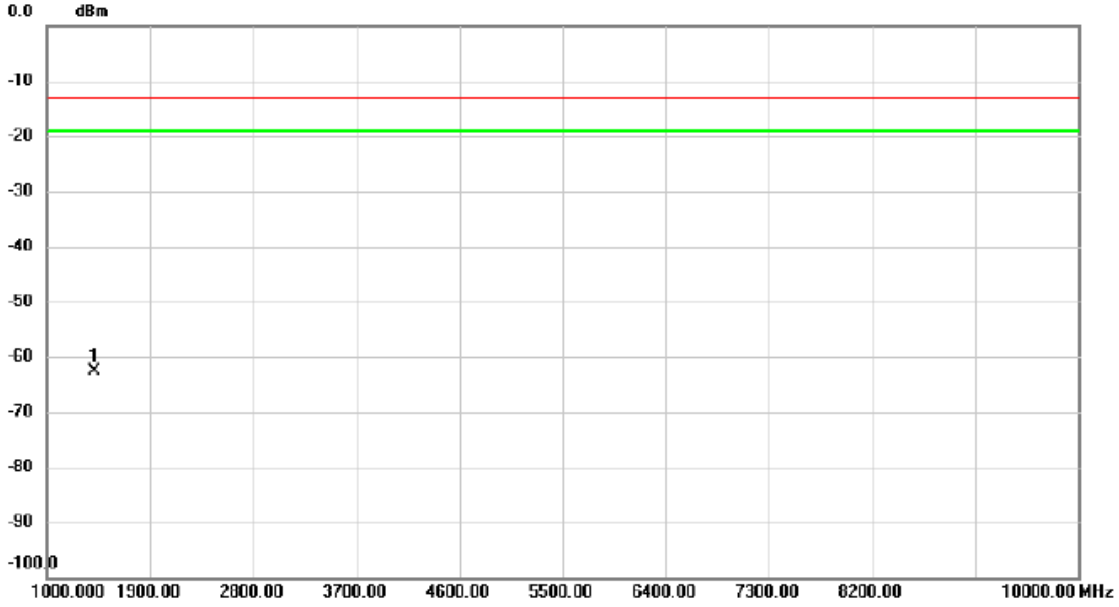
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	1414.865	-46.63	-19.72	-66.35	-13.00	-53.35	peak	

Test Mode:	LTE Band 12_TX CH23095_10M

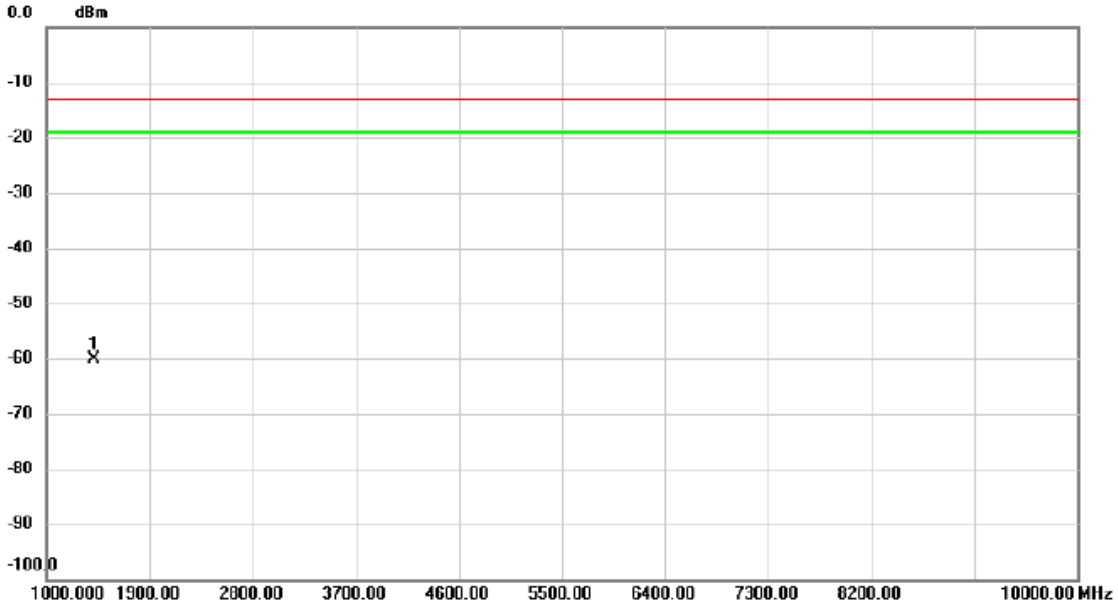
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	1415.260	-43.01	-19.72	-62.73	-13.00	-49.73	peak	

Test Mode:	LTE Band 12_TX CH23095_10M

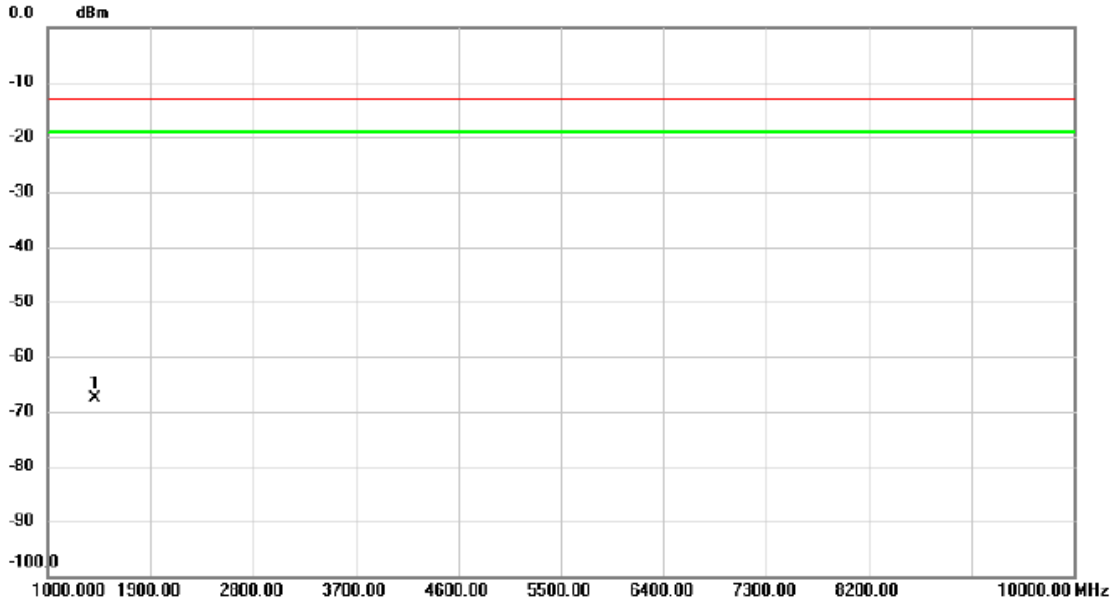
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	1414.760	-40.49	-19.72	-60.21	-13.00	-47.21	peak	

Test Mode:	LTE Band 13_TX CH23230_5M

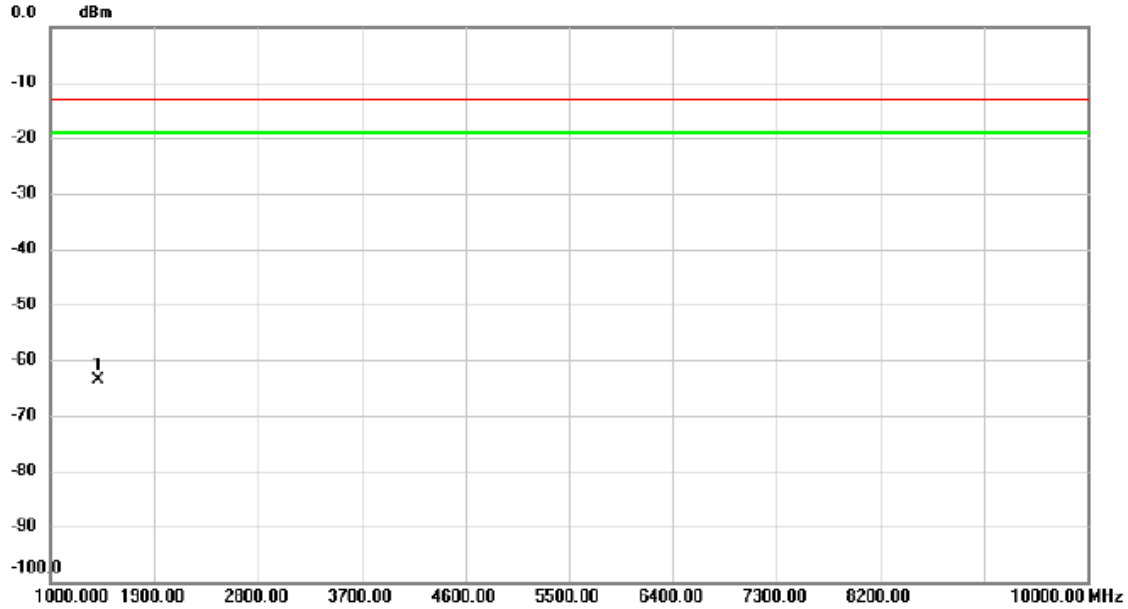
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	1415.130	-48.00	-19.72	-67.72	-13.00	-54.72	peak	

Test Mode:	LTE Band 13_TX CH23230_5M

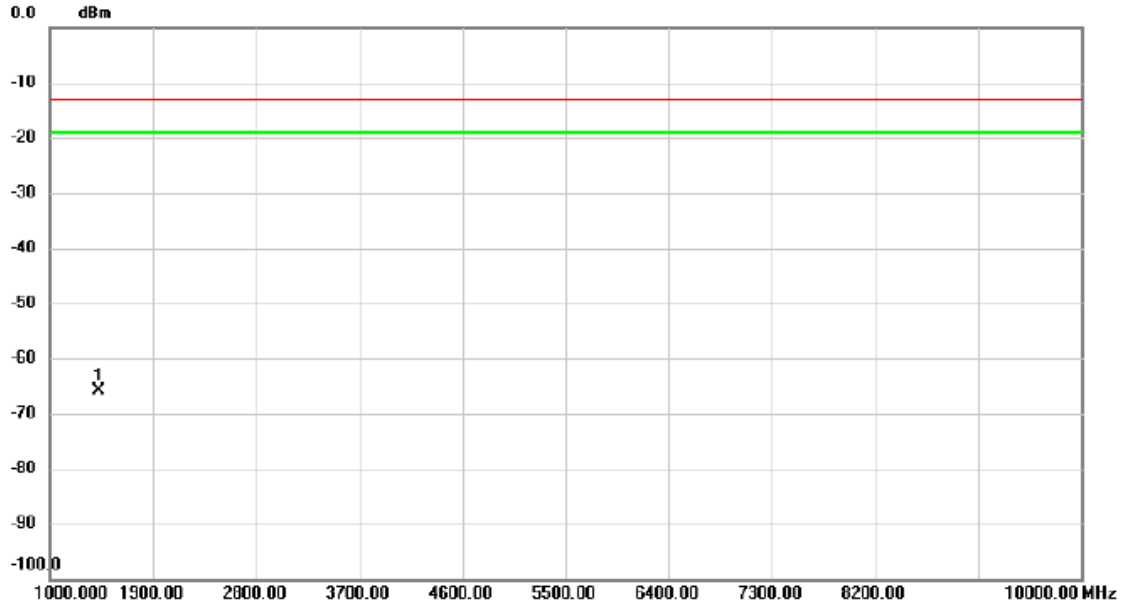
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	1418.630	-43.98	-19.71	-63.69	-13.00	-50.69	peak	

Test Mode:	LTE Band 13_TX CH23230_10M

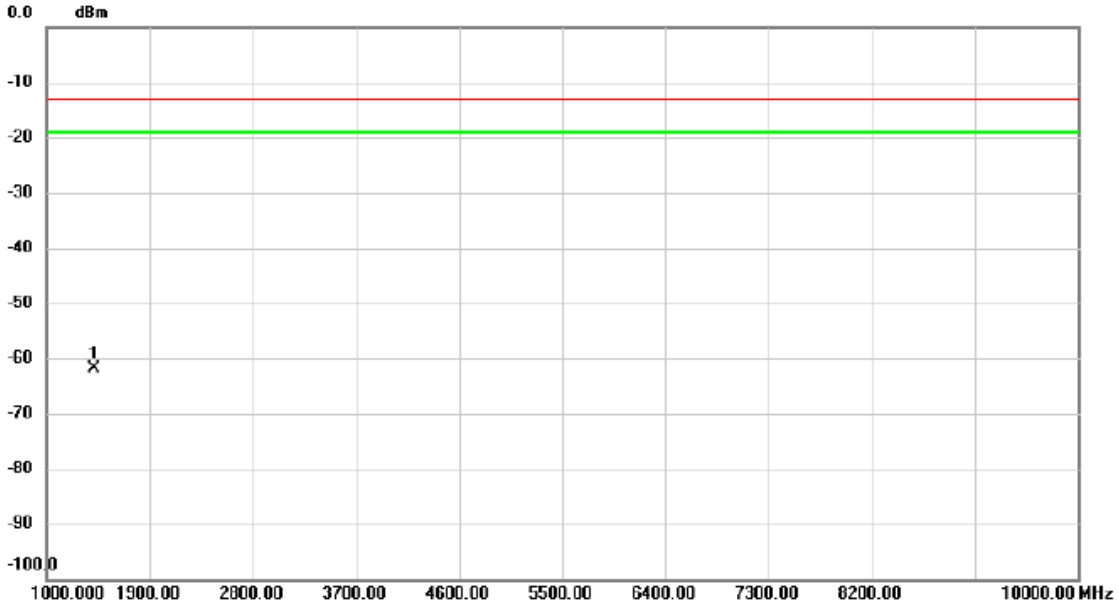
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	1420.440	-46.12	-19.71	-65.83	-13.00	-52.83	peak	

Test Mode:	LTE Band 13_TX CH23230_10M

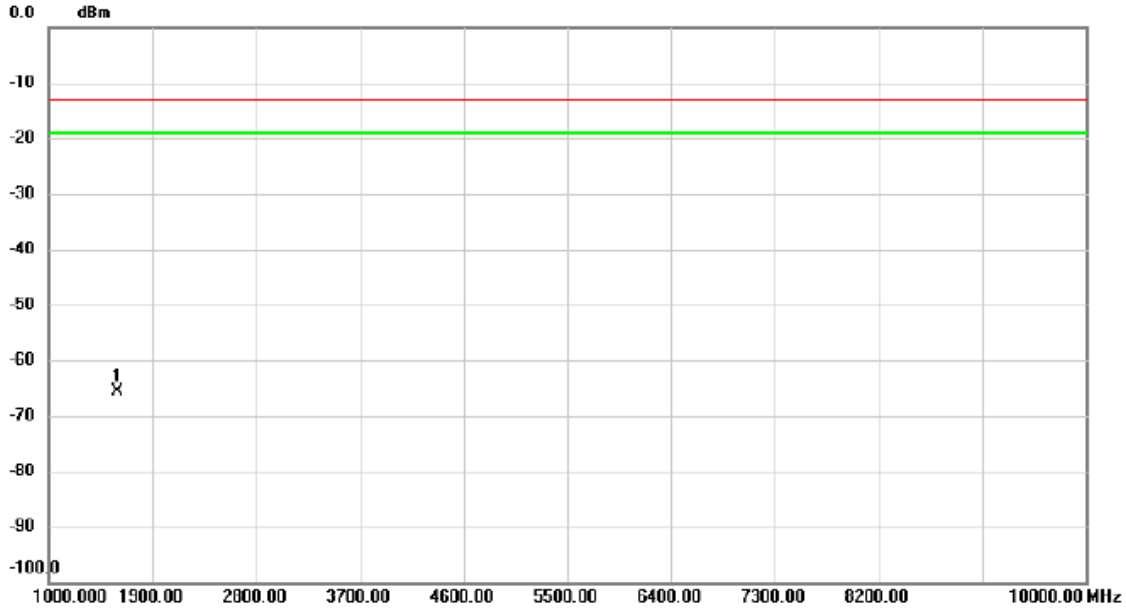
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	1419.780	-42.07	-19.71	-61.78	-13.00	-48.78	peak	

Test Mode:	LTE Band 14_TX CH23330_5M

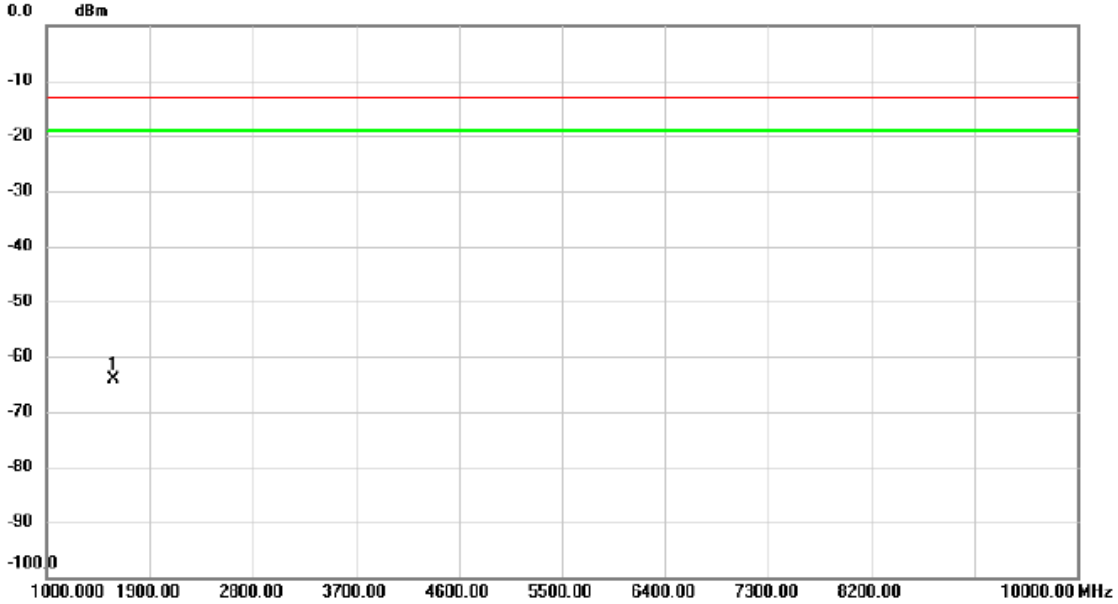
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	1588.130	-46.66	-19.06	-65.72	-13.00	-52.72	peak	

Test Mode:	LTE Band 14_TX CH23330_5M

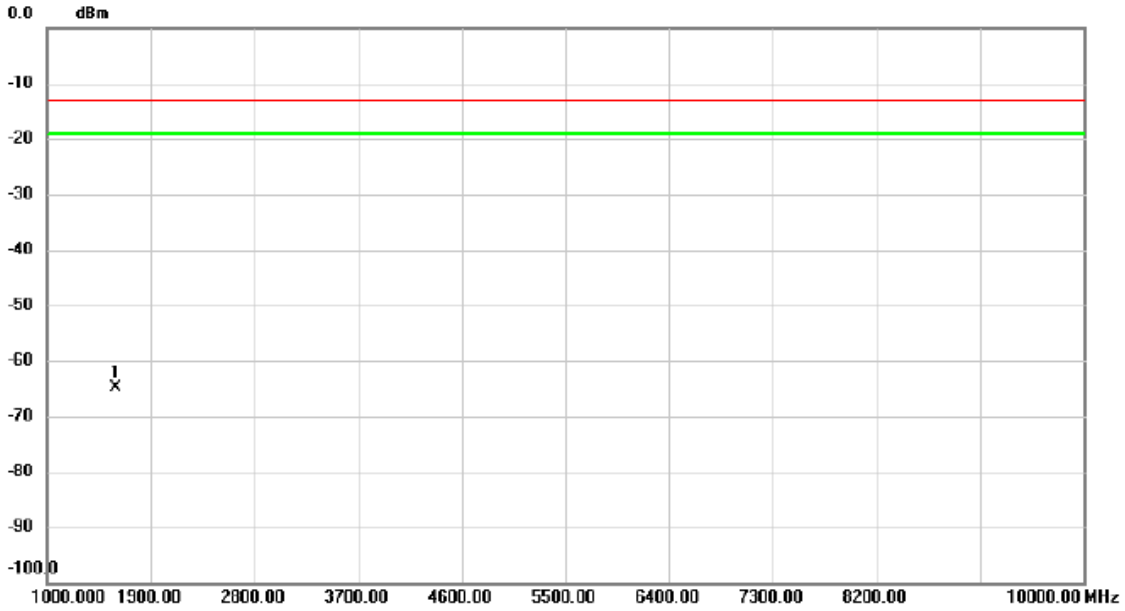
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	1584.630	-45.13	-19.07	-64.20	-13.00	-51.20	peak	

Test Mode:	LTE Band 14_TX CH23330_10M

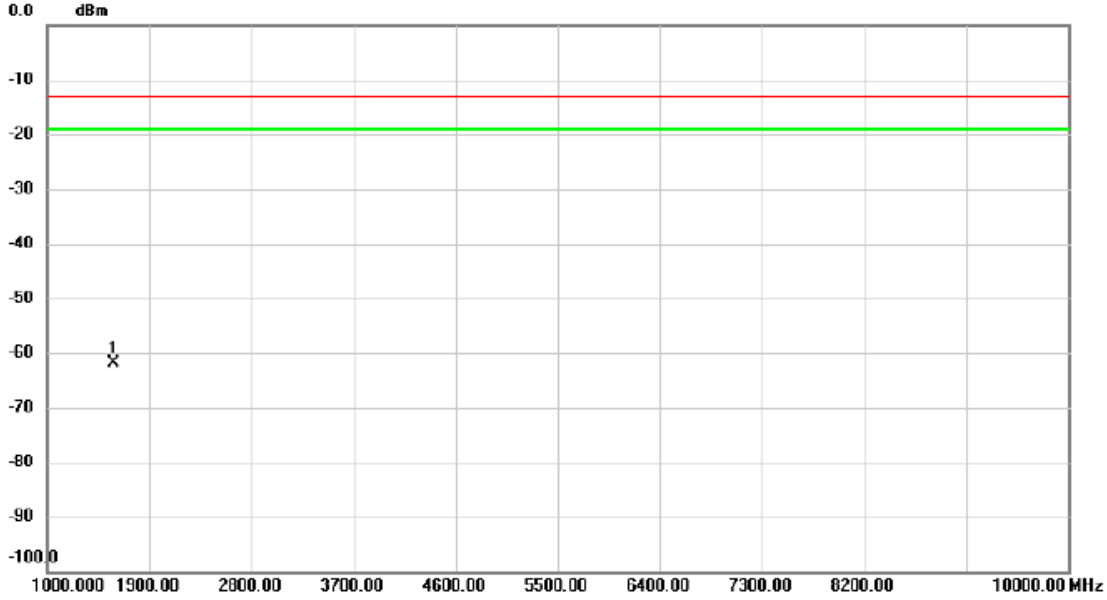
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	1589.440	-45.78	-19.05	-64.83	-13.00	-51.83	peak	

Test Mode:	LTE Band 14_TX CH23330_10M

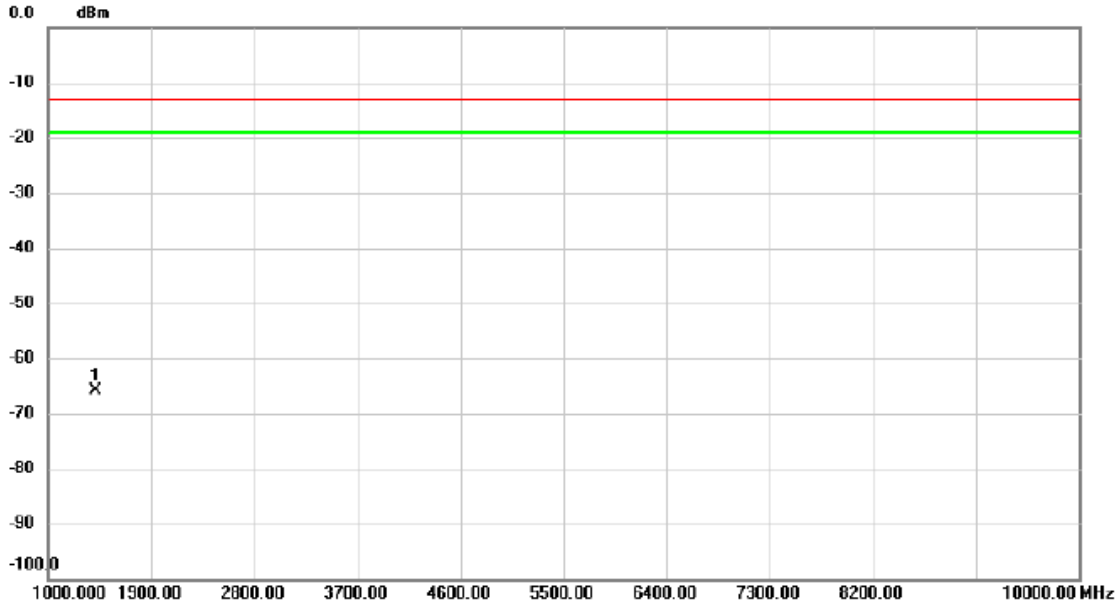
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	1580.780	-42.70	-19.08	-61.78	-13.00	-48.78	peak	

Test Mode:	LTE Band 17_TX CH23790_5M

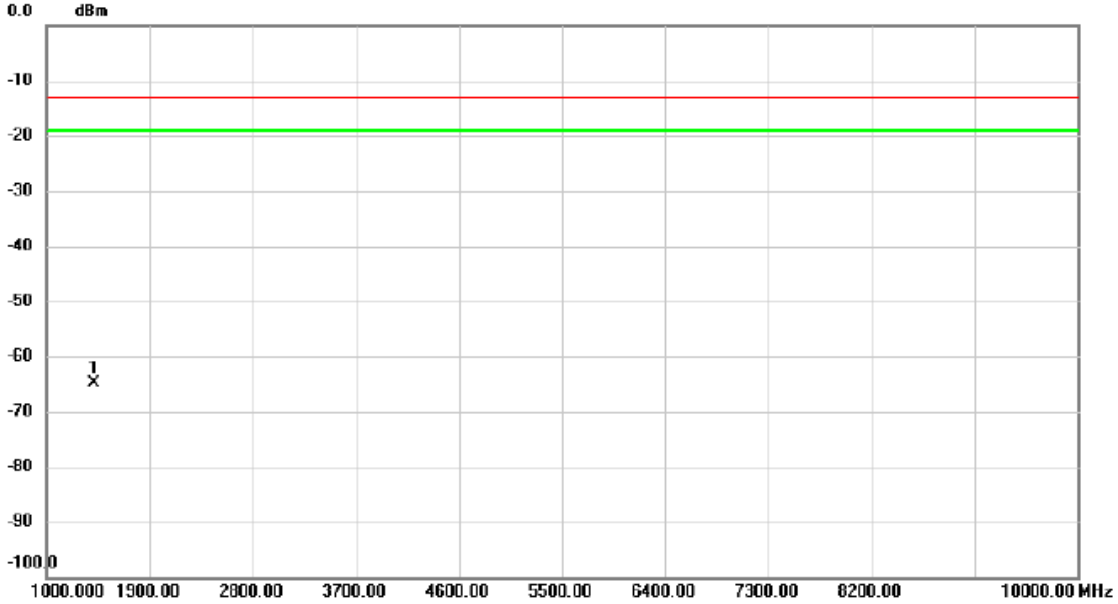
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	1419.120	-46.22	-19.71	-65.93	-13.00	-52.93	peak	

Test Mode:	LTE Band 17_TX CH23790_5M

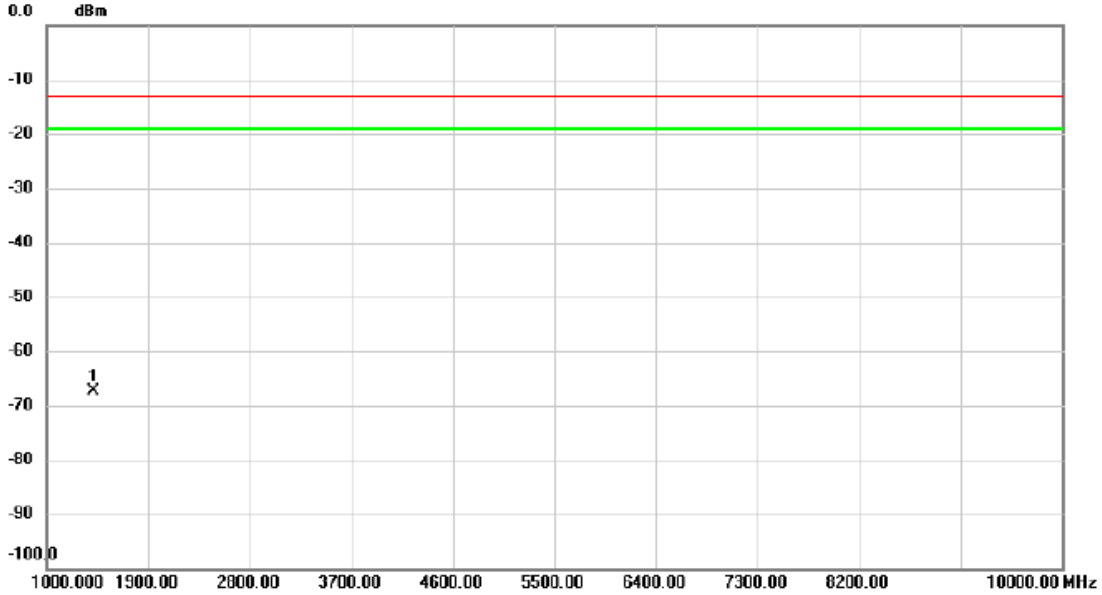
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	1418.710	-45.16	-19.71	-64.87	-13.00	-51.87	peak	

Test Mode:	LTE Band 17_TX CH23790_10M

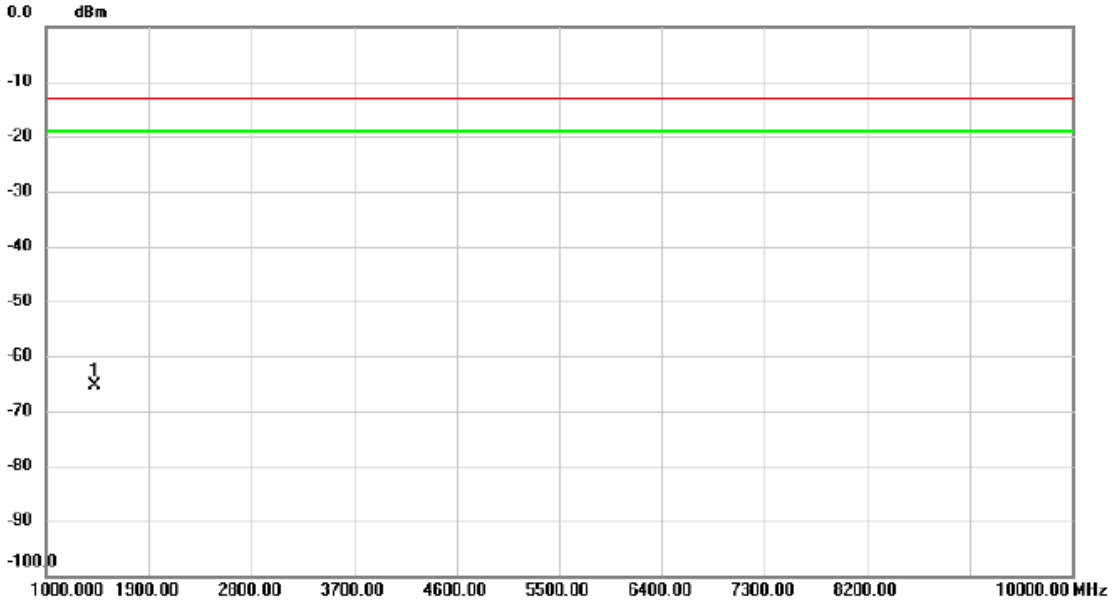
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	1418.195	-47.78	-19.71	-67.49	-13.00	-54.49	peak	

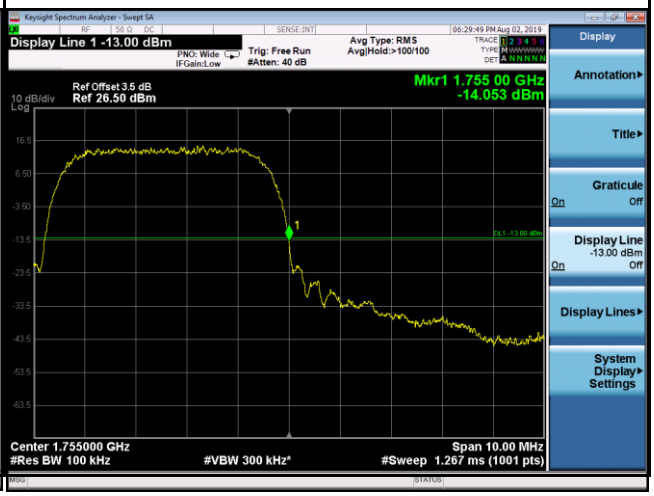
Test Mode:	LTE Band 17_TX CH23790_10M

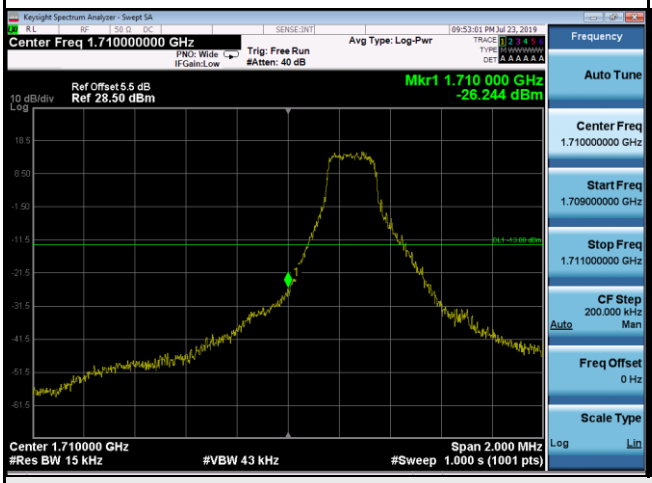
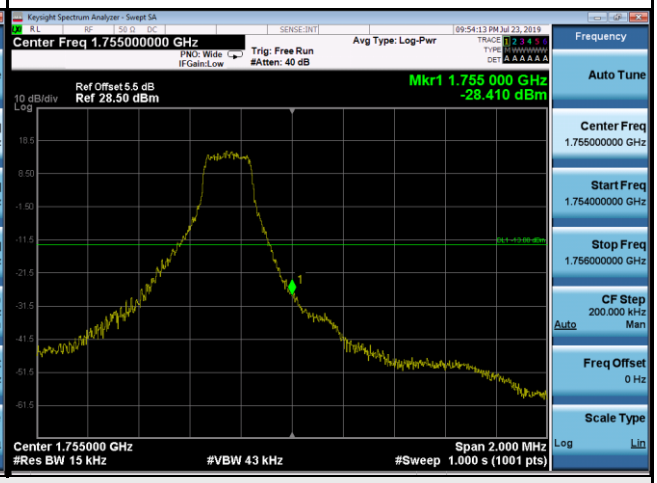
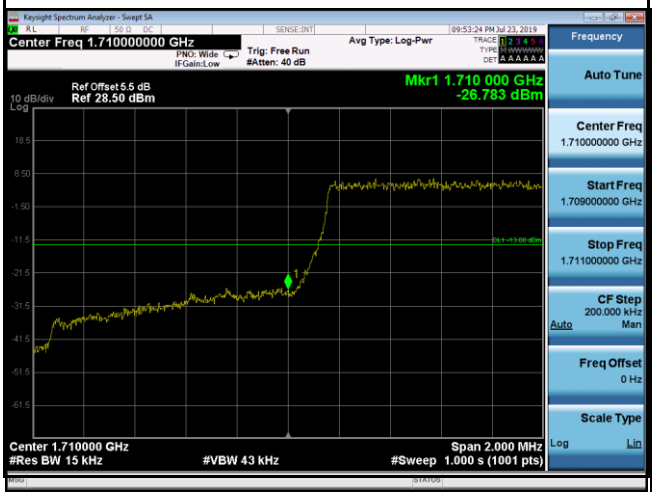
Horizontal

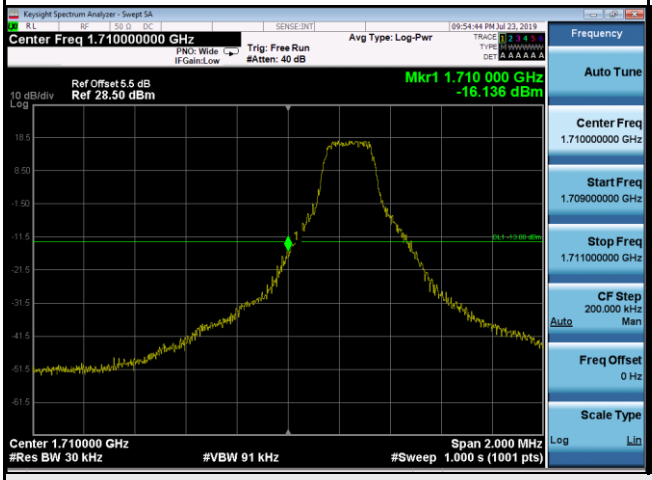
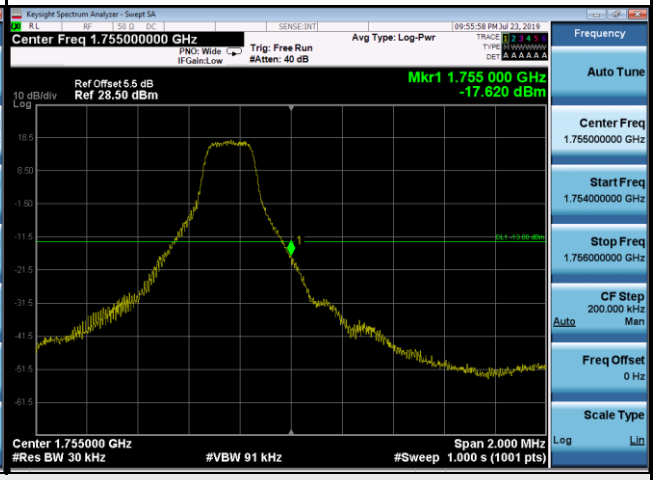
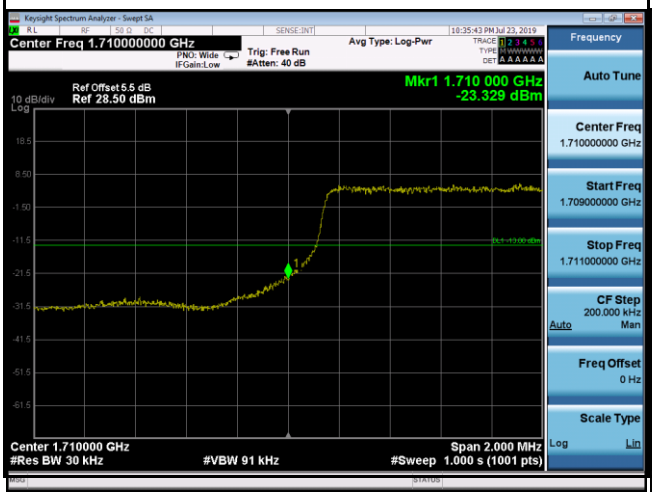
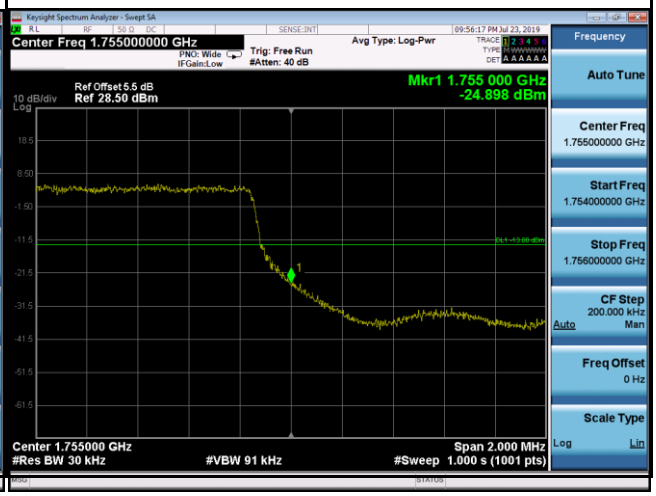


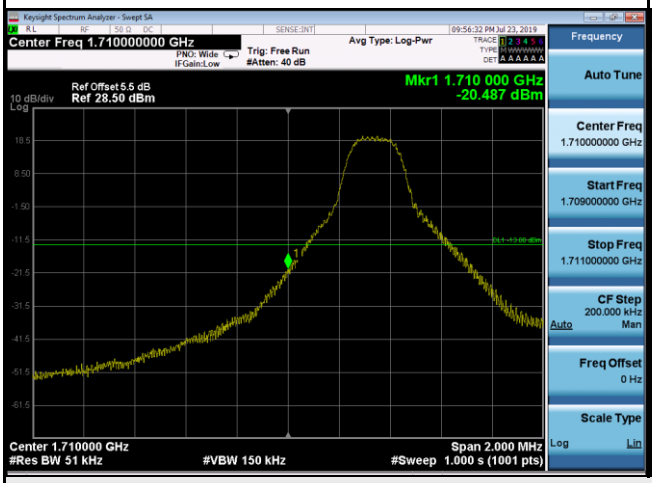
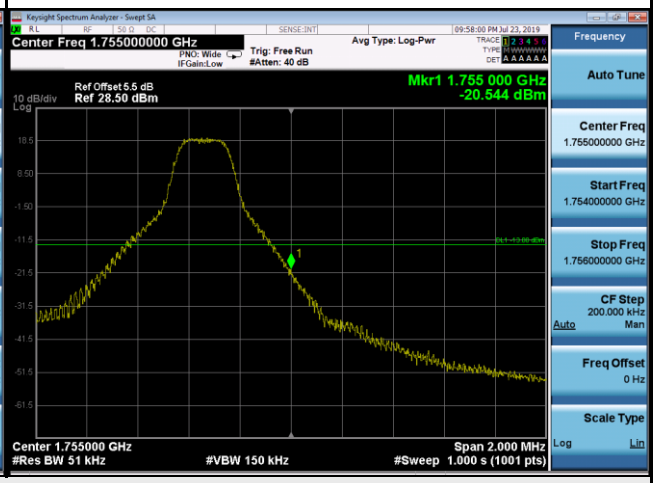
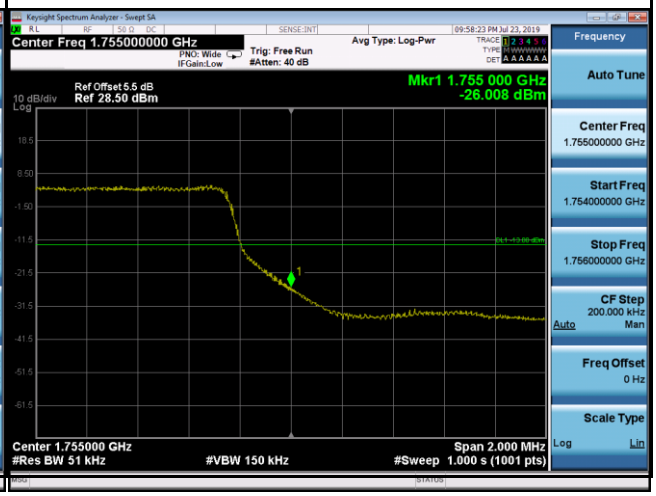
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	1422.395	-45.67	-19.69	-65.36	-13.00	-52.36	peak	

APPENDIX G - BAND EDGE

WCDMA Band IV _WCDMA			
Channel	1312	Channel	1513
			

LTE Band 4_1.4M			
1RB#0		1RB#5	
Channel	19957	Channel	20393
			
6RB#0			
Channel	19957	Channel	20393
			

LTE Band 4_3M			
1RB#0		1RB#14	
Channel	19965	Channel	20385
			
15RB#0			
Channel	19965	Channel	20385
			

LTE Band 4_5M			
1RB#0		1RB#24	
Channel	19975	Channel	20375
			
25RB#0			
Channel	19975	Channel	20375
			

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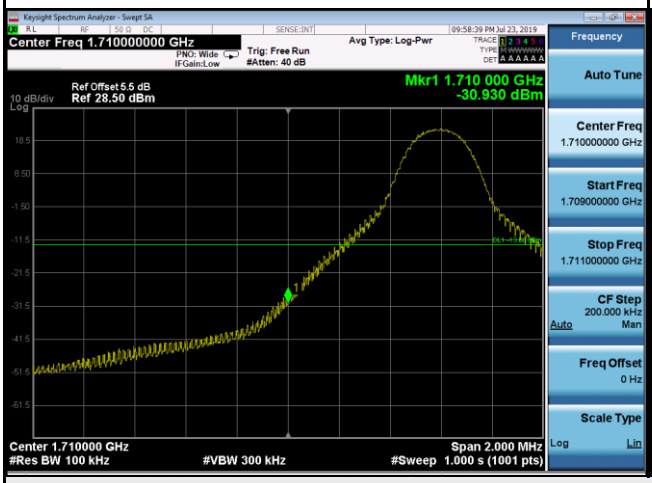
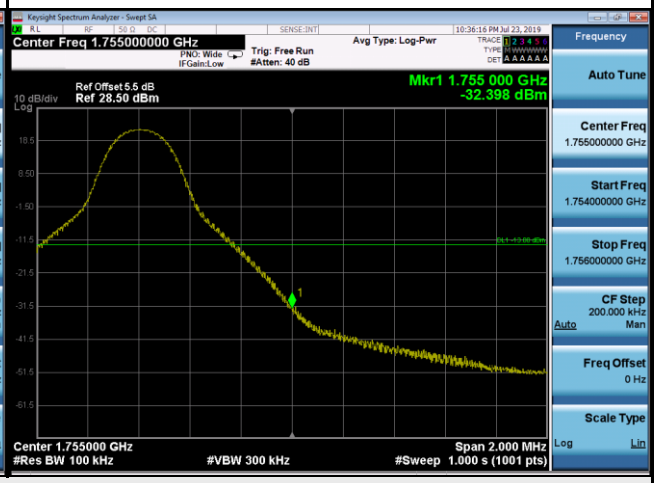
1RB#0		1RB#49	
Channel	20000	Channel	20350
			
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Channel	20000	Channel	20350

LTE Band 4_15M			
1RB#0		1RB#74	
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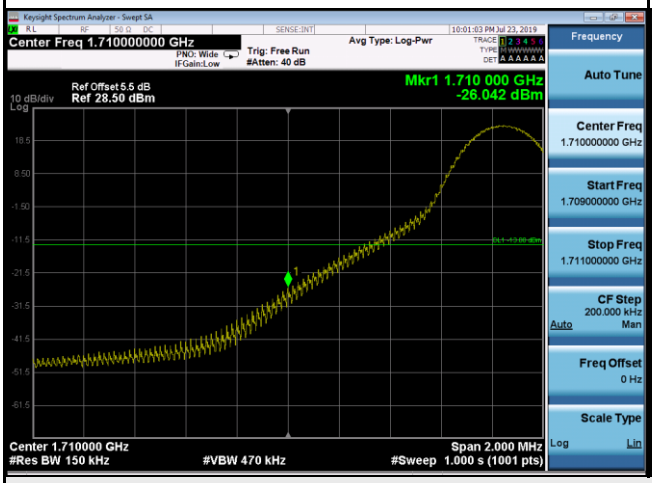		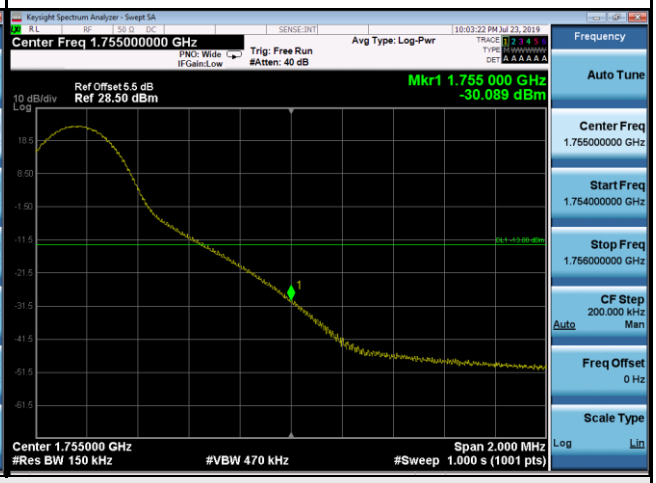	
75RB#0			
Channel	20025	Channel	20325