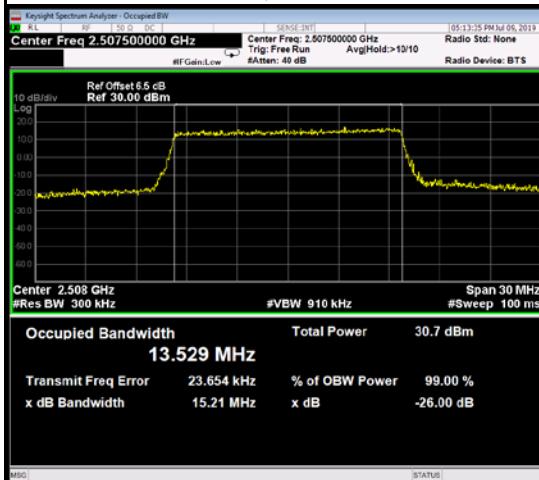
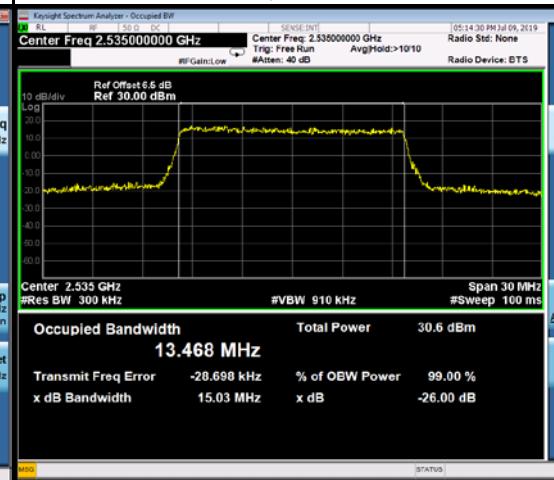


Spectrum Plot

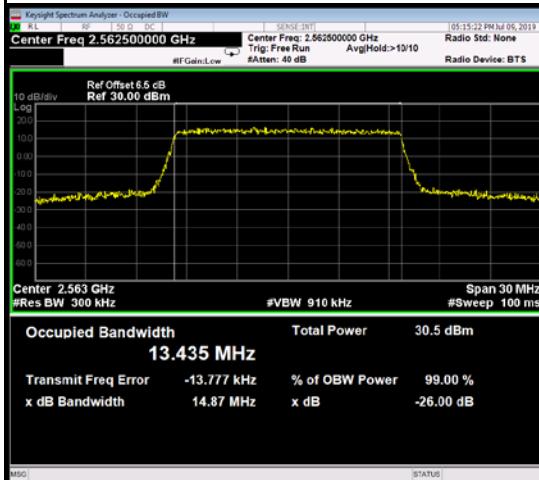
QPSK-20825



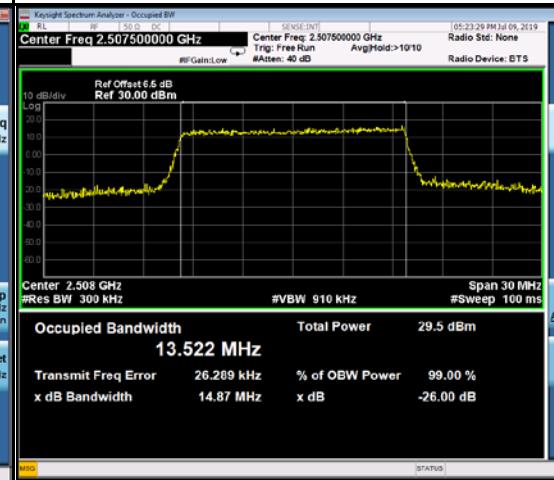
QPSK-21100



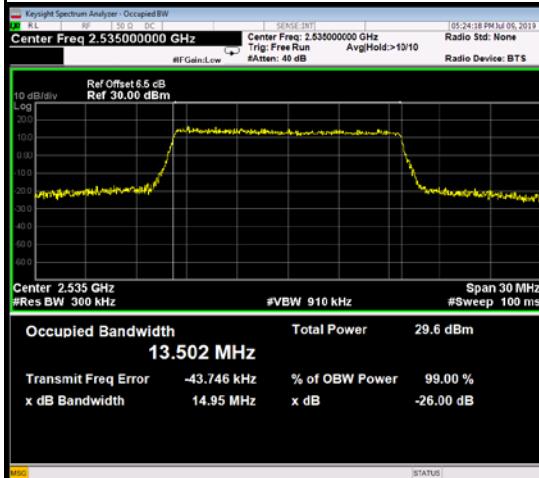
QPSK-21375



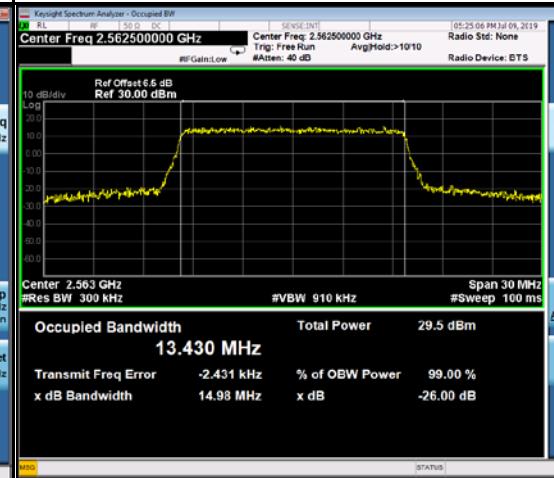
16QAM-20825



16QAM-21100



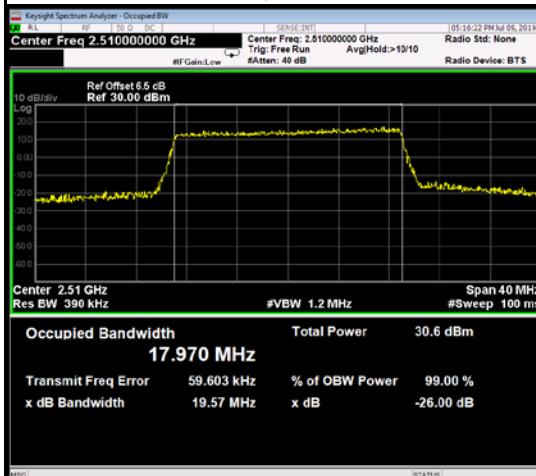
16QAM-21375



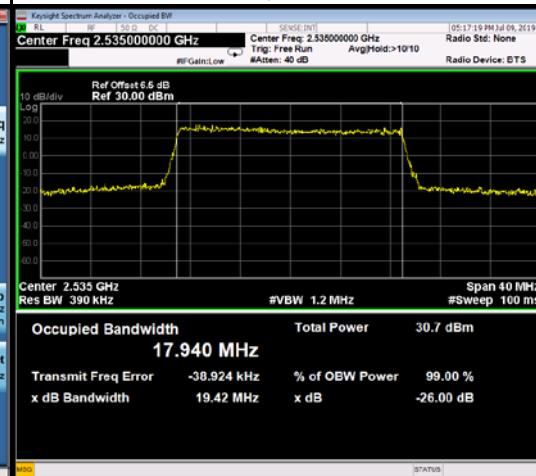
LTE Band 7_20M					
QPSK			16QAM		
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
20850	2510	17.9700	20850	2510	17.9710
21100	2535	17.9400	21100	2535	17.9800
21350	2560	17.8630	21350	2560	17.8690
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
20850	2510	19.5700	20850	2510	19.6400
21100	2535	19.4200	21100	2535	19.7500
21350	2560	19.5300	21350	2560	19.5300

Spectrum Plot

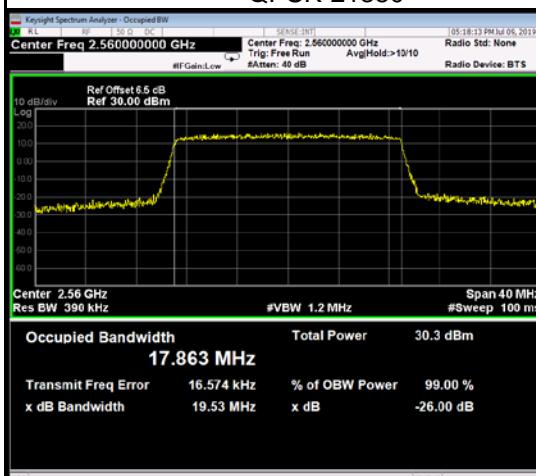
QPSK-20850



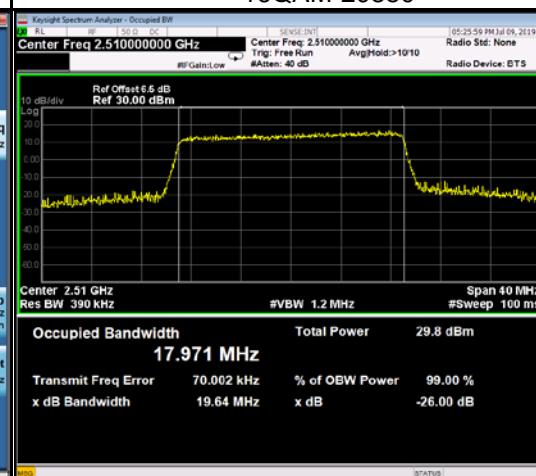
QPSK-21100



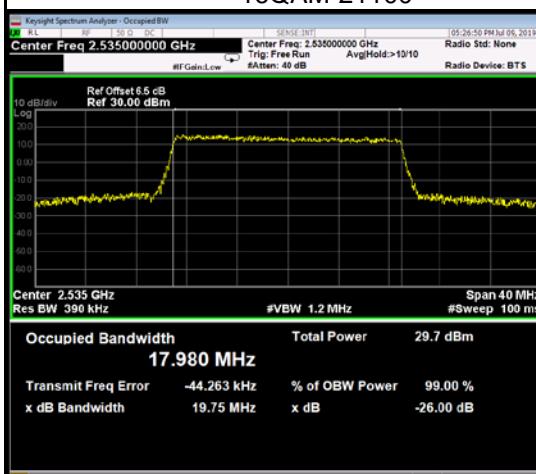
QPSK-21350



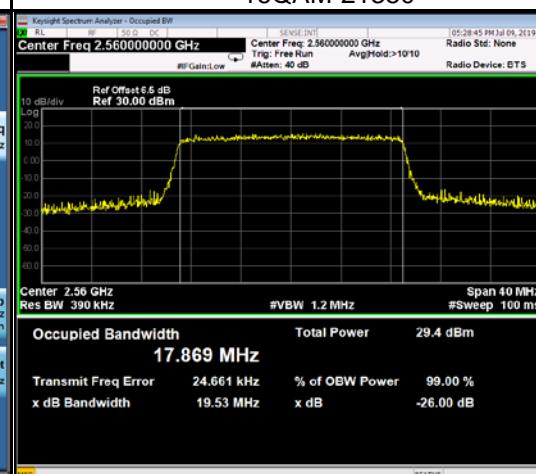
16QAM-20850



16QAM-21100



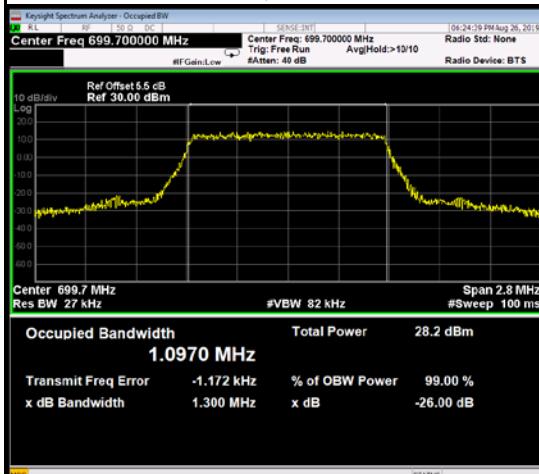
16QAM-21350



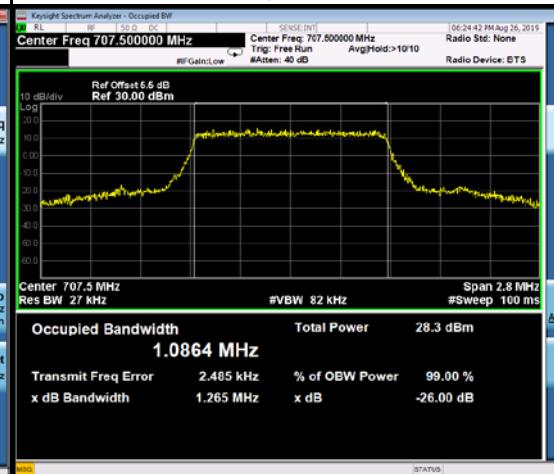
LTE Band 12_1.4M					
QPSK			16QAM		
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
23017	699.7	1.0970	23017	699.7	1.0913
23095	707.5	1.0864	23095	707.5	1.0886
23173	715.3	1.0865	23173	715.3	1.0934
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
23017	699.7	1.3000	23017	699.7	1.3020
23095	707.5	1.2650	23095	707.5	1.3010
23173	715.3	1.2770	23173	715.3	1.2930

Spectrum Plot

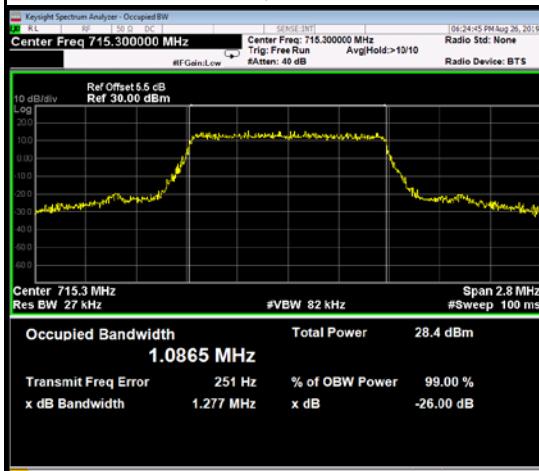
QPSK-23017



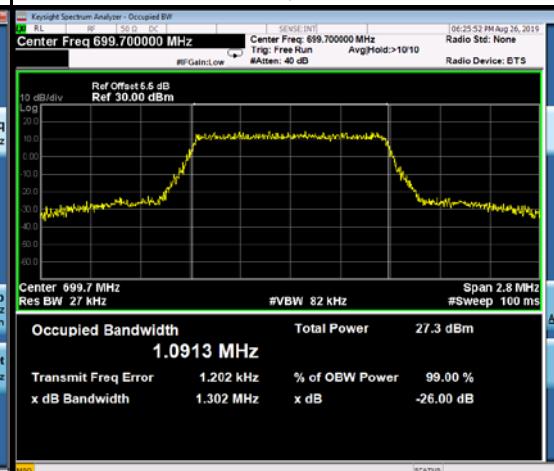
QPSK-23095



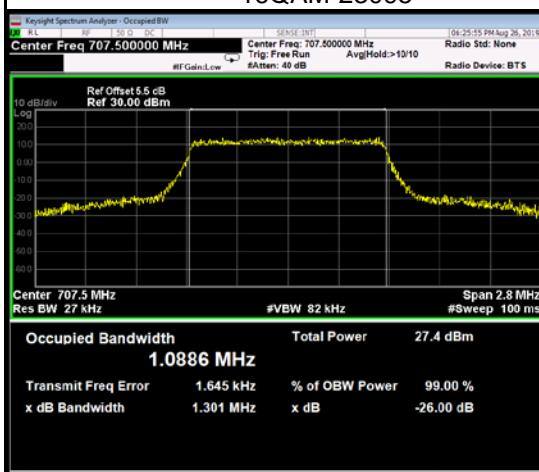
QPSK-23173



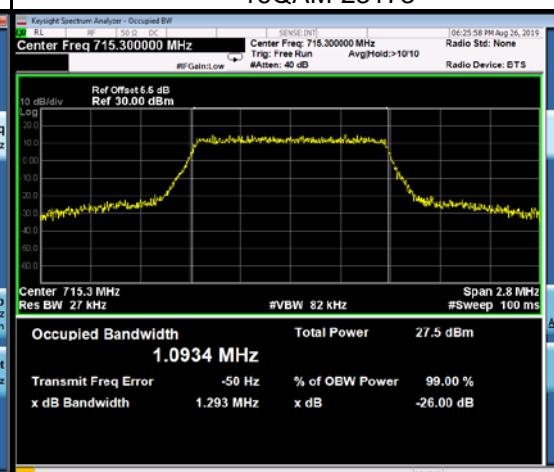
16QAM-23017



16QAM-23095



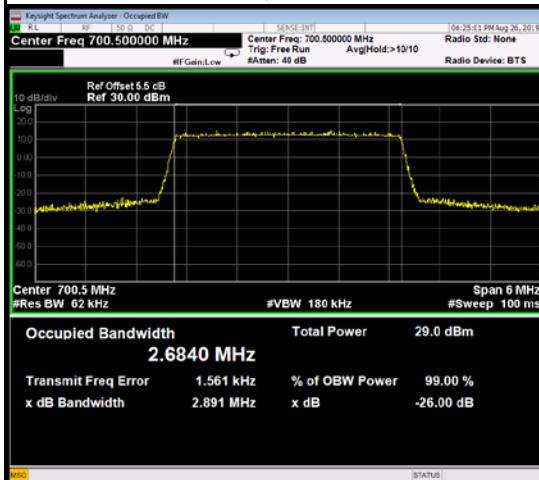
16QAM-23173



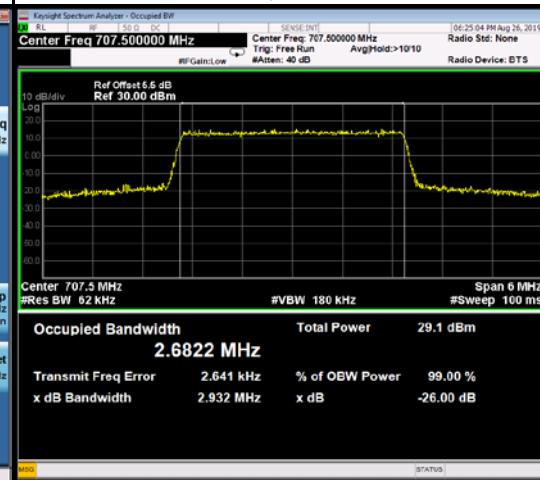
LTE Band 12_3M					
QPSK			16QAM		
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
23025	700.5	2.6840	23025	700.5	2.6754
23095	707.5	2.6822	23095	707.5	2.6934
23165	714.5	2.6891	23165	714.5	2.6808
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
23025	700.5	2.8910	23025	700.5	2.9140
23095	707.5	2.9320	23095	707.5	2.9300
23165	714.5	2.9210	23165	714.5	2.9010

Spectrum Plot

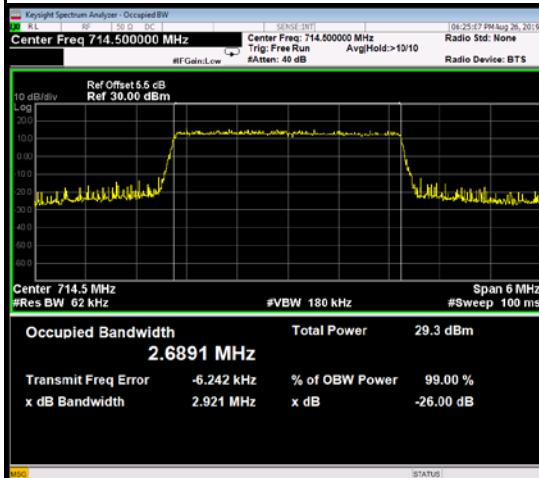
QPSK-23025



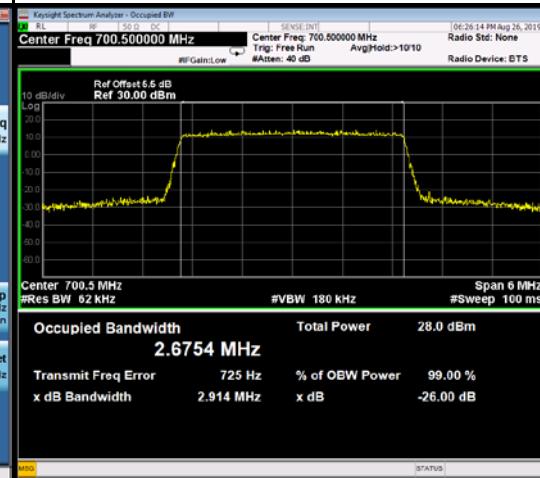
QPSK-23095



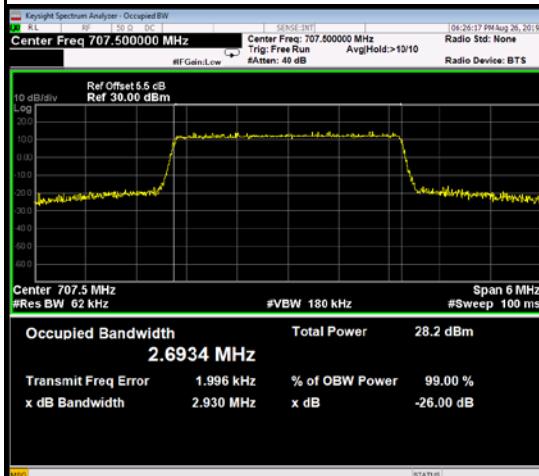
QPSK-23165



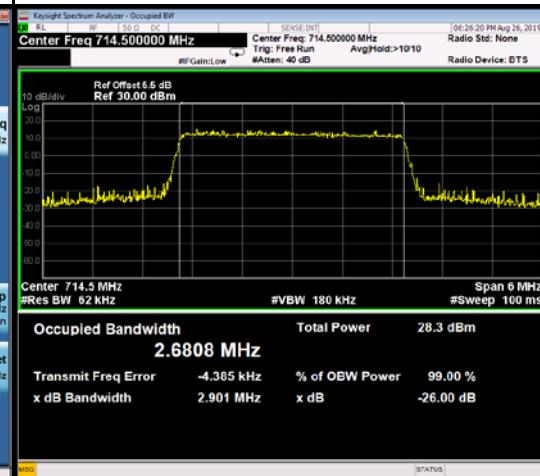
16QAM-23025



16QAM-23095



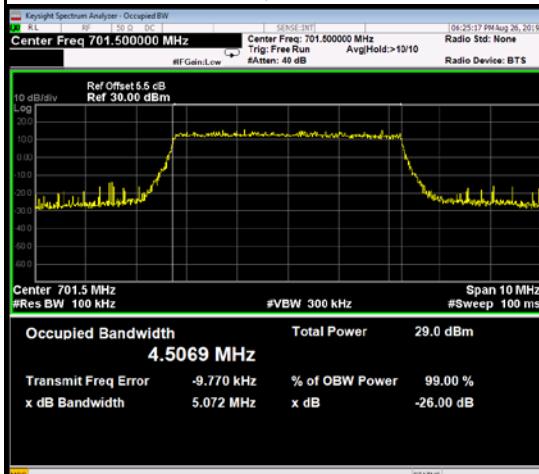
16QAM-23165



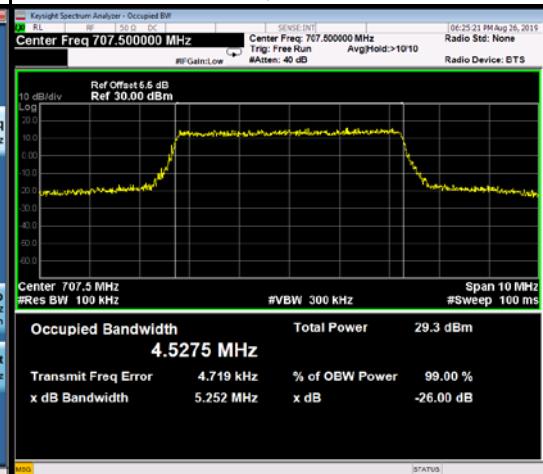
LTE Band 12_5M					
QPSK			16QAM		
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
23035	701.5	4.5069	23035	701.5	4.5045
23095	707.5	4.5275	23095	707.5	4.5167
23155	713.5	4.5166	23155	713.5	4.5103
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
23035	701.5	5.0720	23035	701.5	5.1090
23095	707.5	5.2520	23095	707.5	5.1650
23155	713.5	5.1300	23155	713.5	5.0630

Spectrum Plot

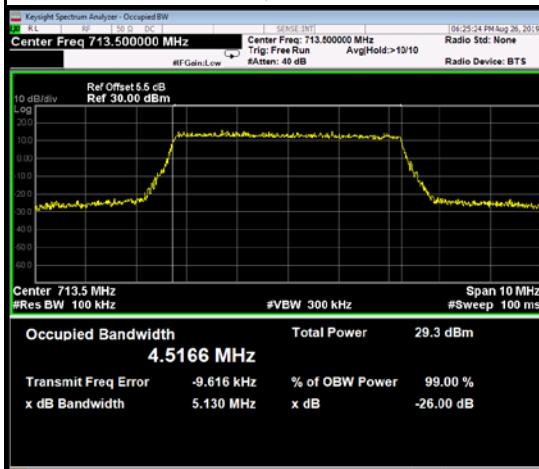
QPSK-23035



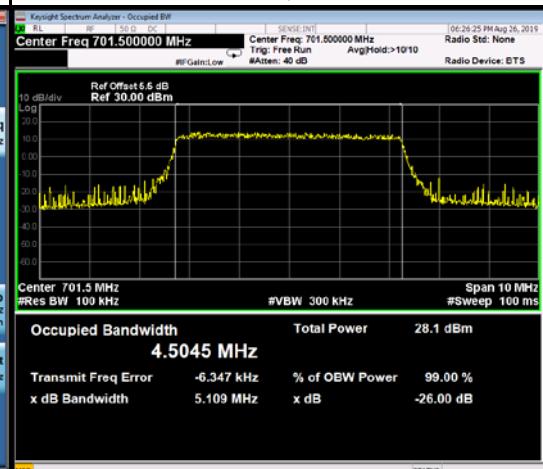
QPSK-23095



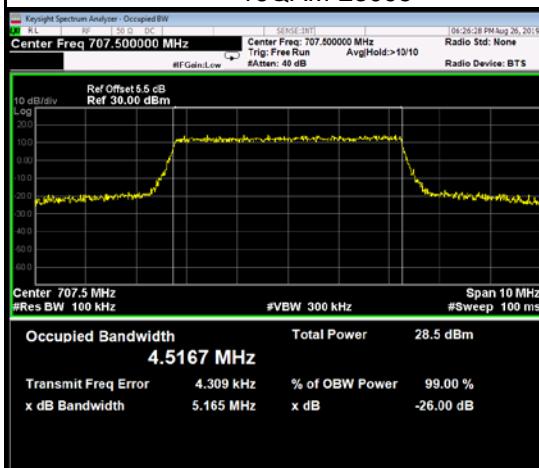
QPSK-23155



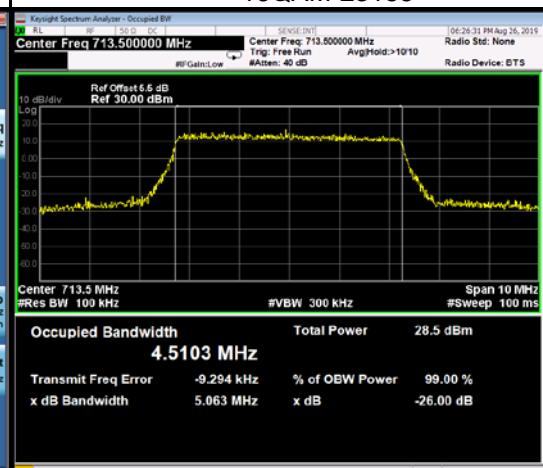
16QAM-23035



16QAM-23095



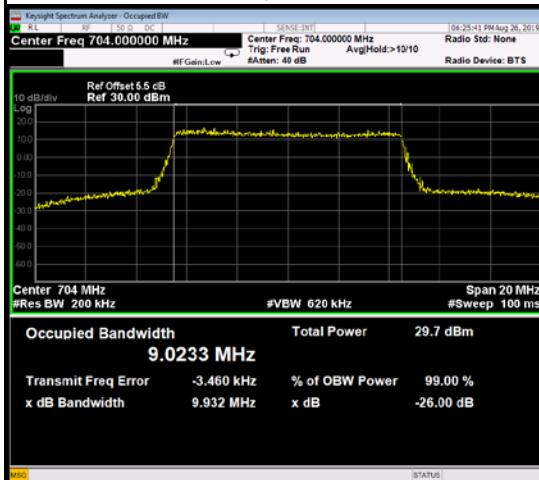
16QAM-23155



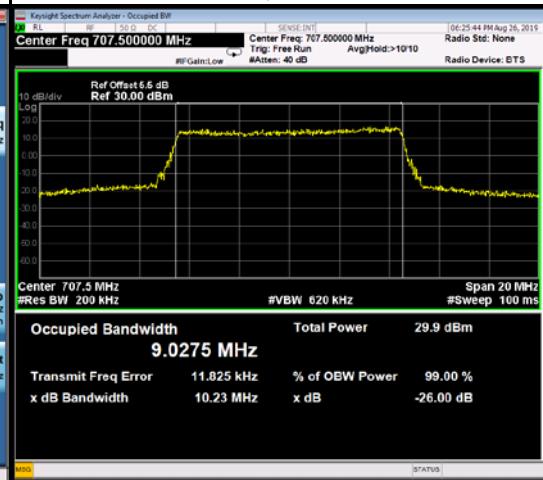
LTE Band 12_10M					
QPSK			16QAM		
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
23060	704.0	9.0233	23060	704.0	9.0219
23095	707.5	9.0275	23095	707.5	9.0066
23130	711.0	8.9561	23130	711.0	8.9748
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
23060	704.0	9.9320	23060	704.0	10.1600
23095	707.5	10.2300	23095	707.5	10.1700
23130	711.0	10.0400	23130	711.0	10.1000

Spectrum Plot

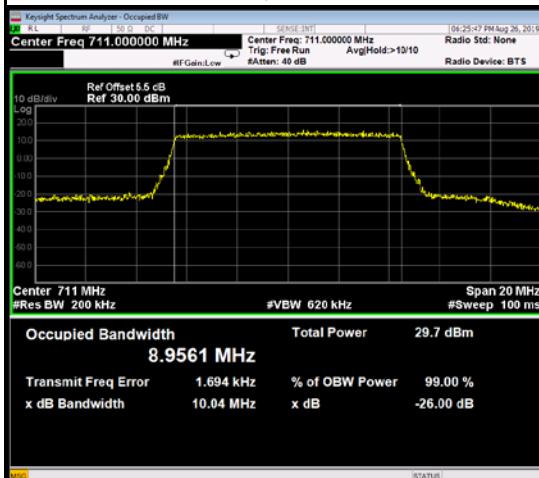
QPSK-23060



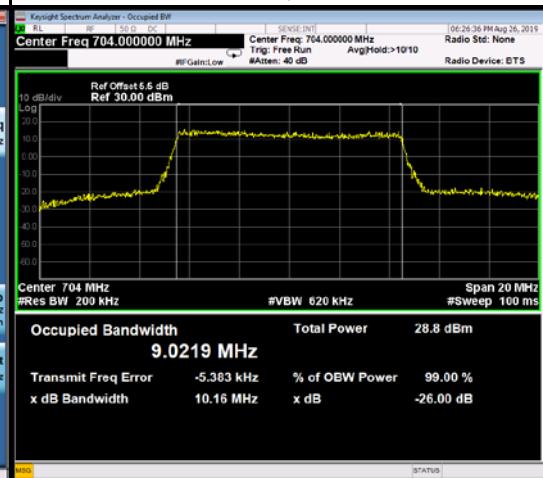
QPSK-23095



QPSK-23130



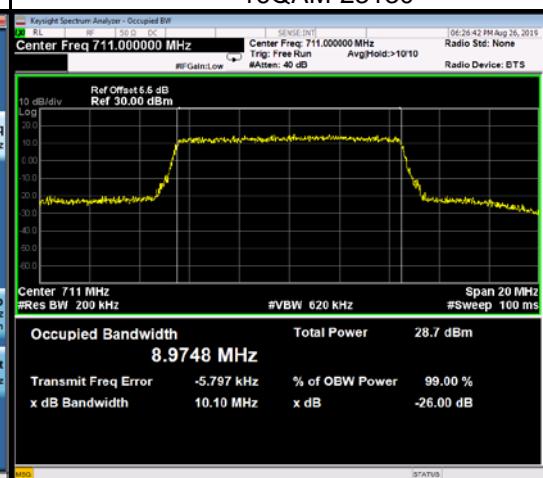
16QAM-23060



16QAM-23095



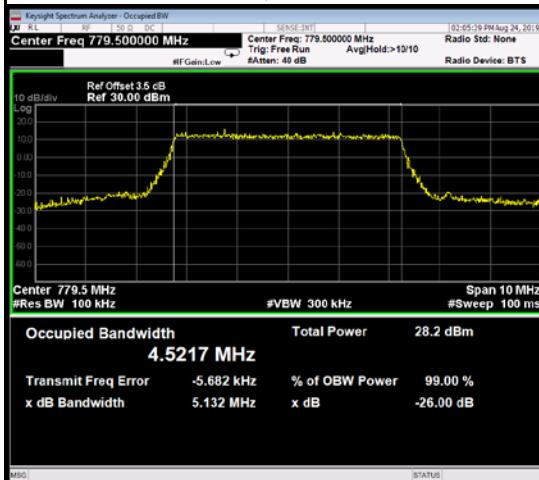
16QAM-23130



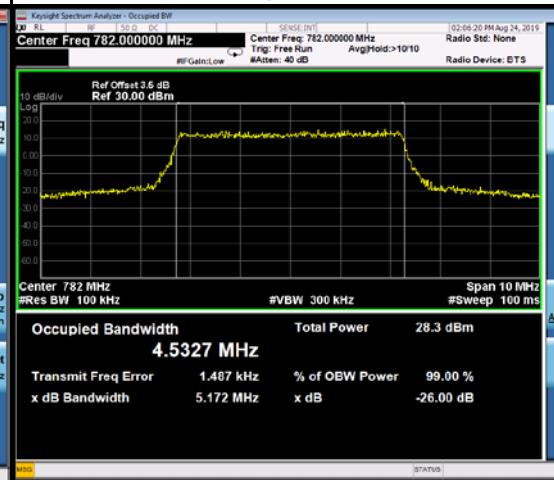
LTE Band 13_5M					
QPSK			16QAM		
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
23205	779.5	4.5217	23205	779.5	4.5173
23230	782.0	4.5327	23230	782.0	4.5181
23255	784.5	4.5333	23255	784.5	4.5142
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
23205	779.5	5.1320	23205	779.5	5.1290
23230	782.0	5.1720	23230	782.0	5.0950
23255	784.5	5.2060	23255	784.5	5.1460

Spectrum Plot

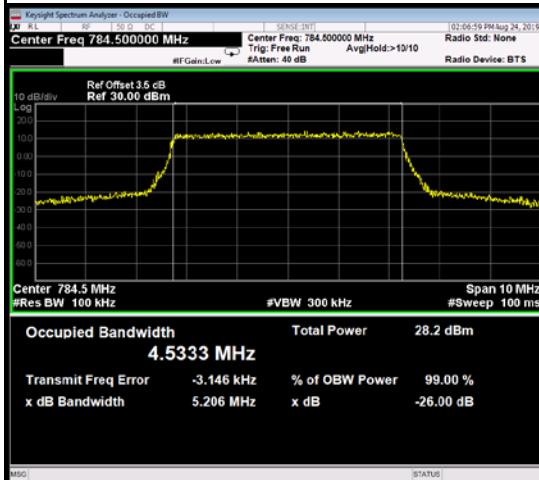
QPSK-23205



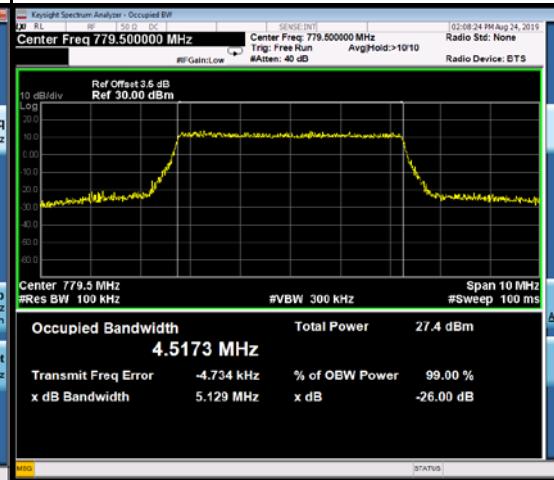
QPSK-23230



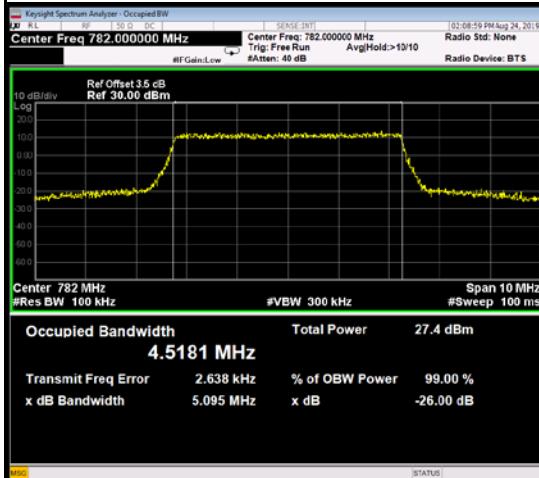
QPSK-23255



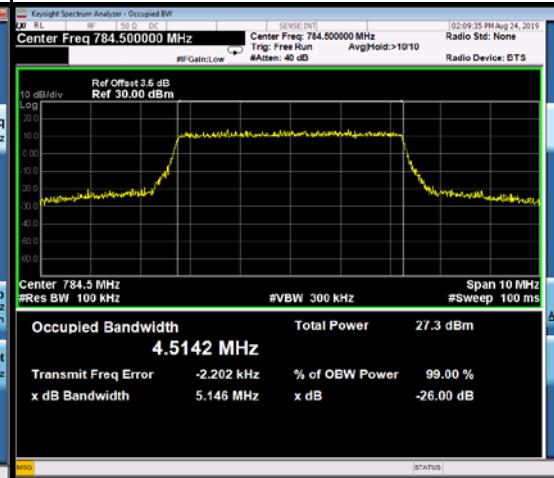
16QAM-23205



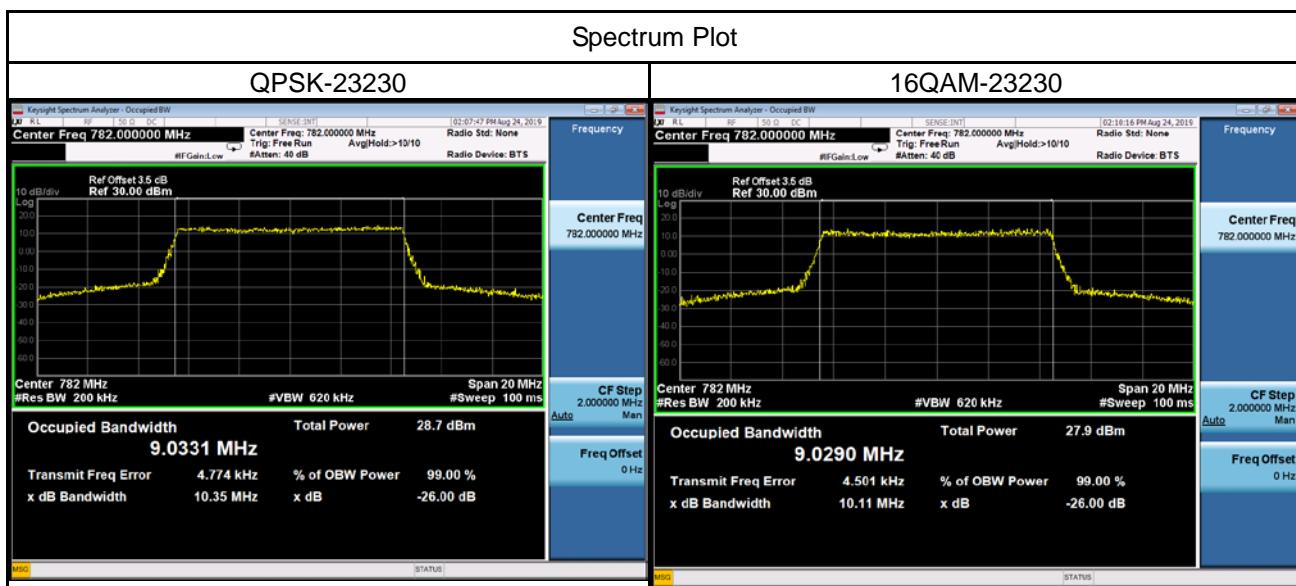
16QAM-23230



16QAM-23255



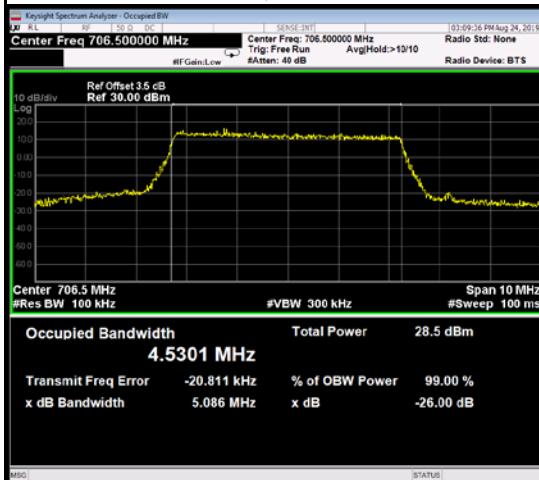
LTE Band 13_10M					
QPSK			16QAM		
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
23230	782.0	9.0331	23230	782.0	9.0290
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
23230	782.0	10.3500	23230	782.0	10.1100



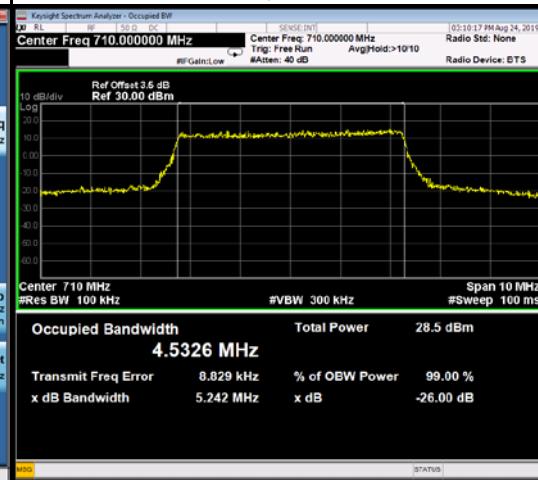
LTE Band 17_5M					
QPSK			16QAM		
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
23755	706.5	4.5069	23755	706.5	4.5045
23790	710.0	4.5275	23790	710.0	4.5167
23825	713.5	4.5166	23825	713.5	4.5103
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
23755	706.5	5.0720	23755	706.5	5.1090
23790	710.0	5.2520	23790	710.0	5.1650
23825	713.5	5.1300	23825	713.5	5.0630

Spectrum Plot

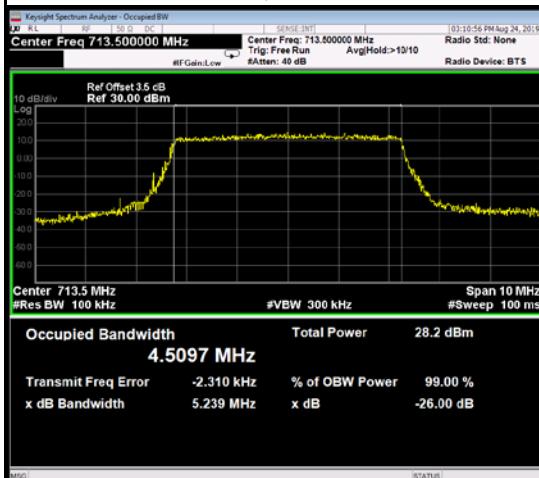
QPSK-23755



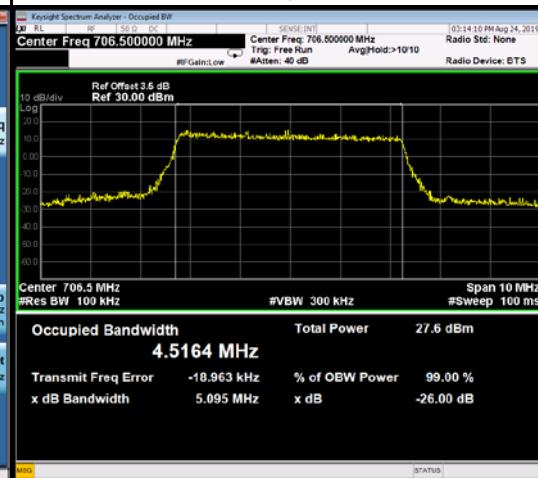
QPSK-23790



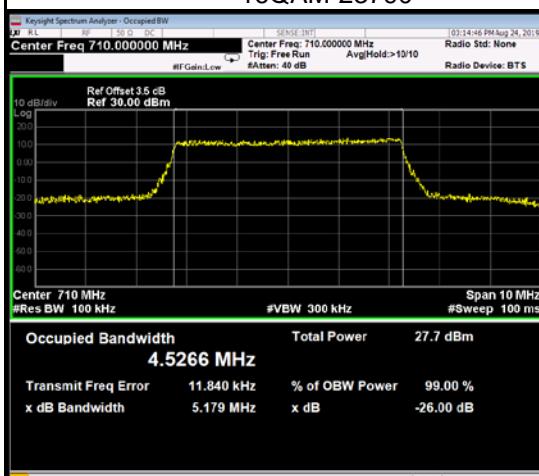
QPSK-23825



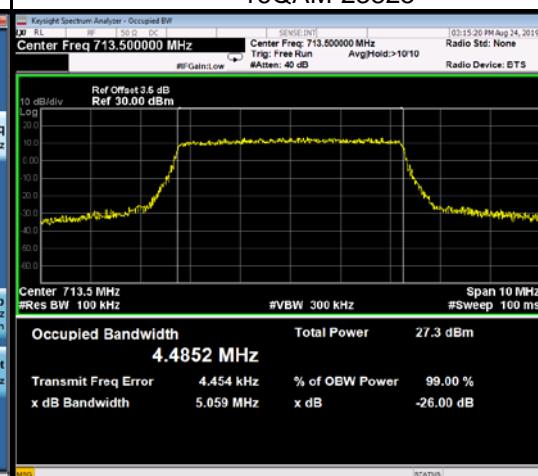
16QAM-23755



16QAM-23790



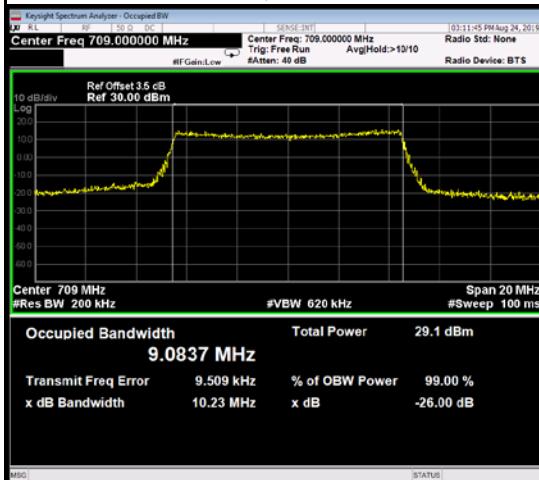
16QAM-23825



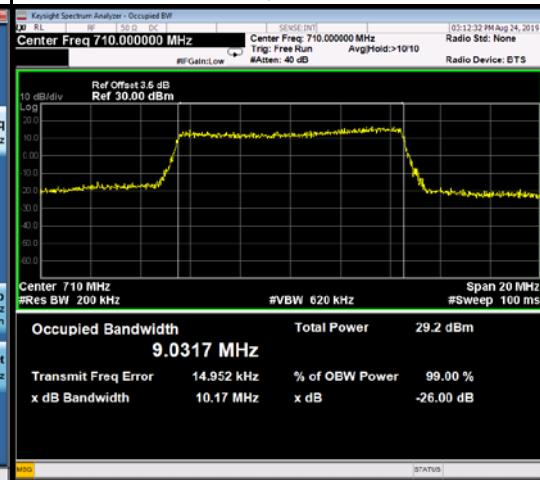
LTE Band 17_10M					
QPSK			16QAM		
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
23780	709.0	9.0233	23780	709.0	9.0219
23790	710.0	9.0275	23790	710.0	9.0066
23800	711.0	8.9561	23800	711.0	8.9748
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
23780	709.0	9.9320	23780	709.0	10.1600
23790	710.0	10.2300	23790	710.0	10.1700
23800	711.0	10.0400	23800	711.0	10.1000

Spectrum Plot

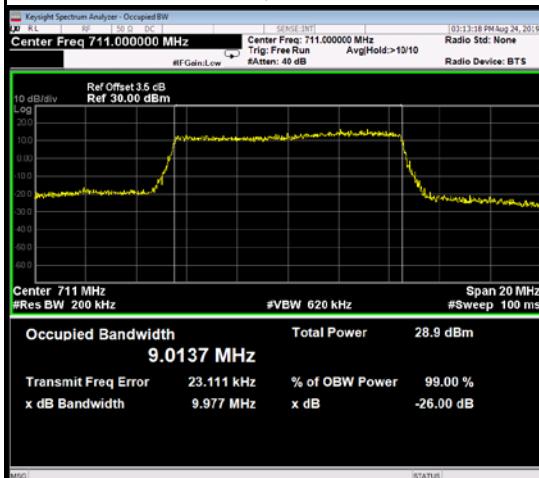
QPSK-23780



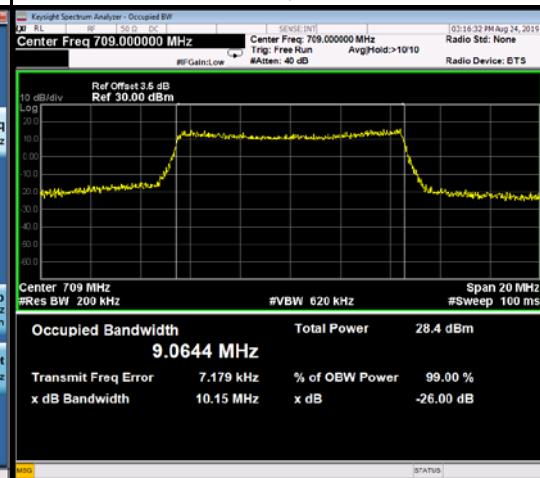
QPSK-23790



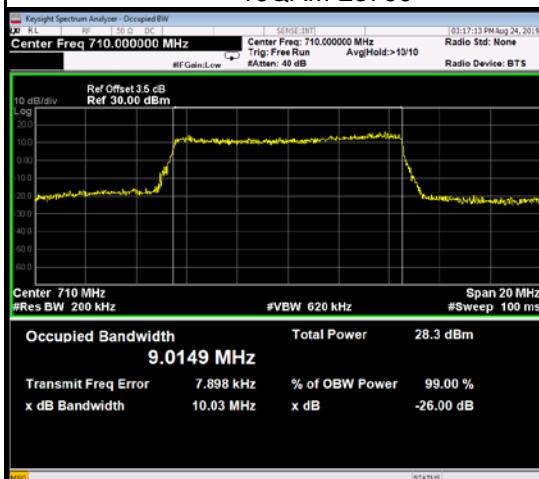
QPSK-23800



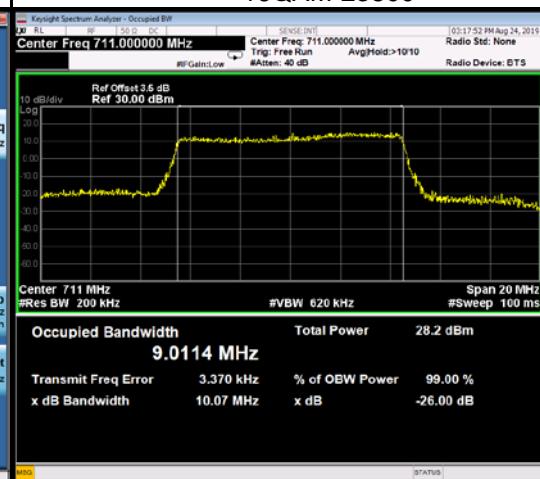
16QAM-23780



16QAM-23790

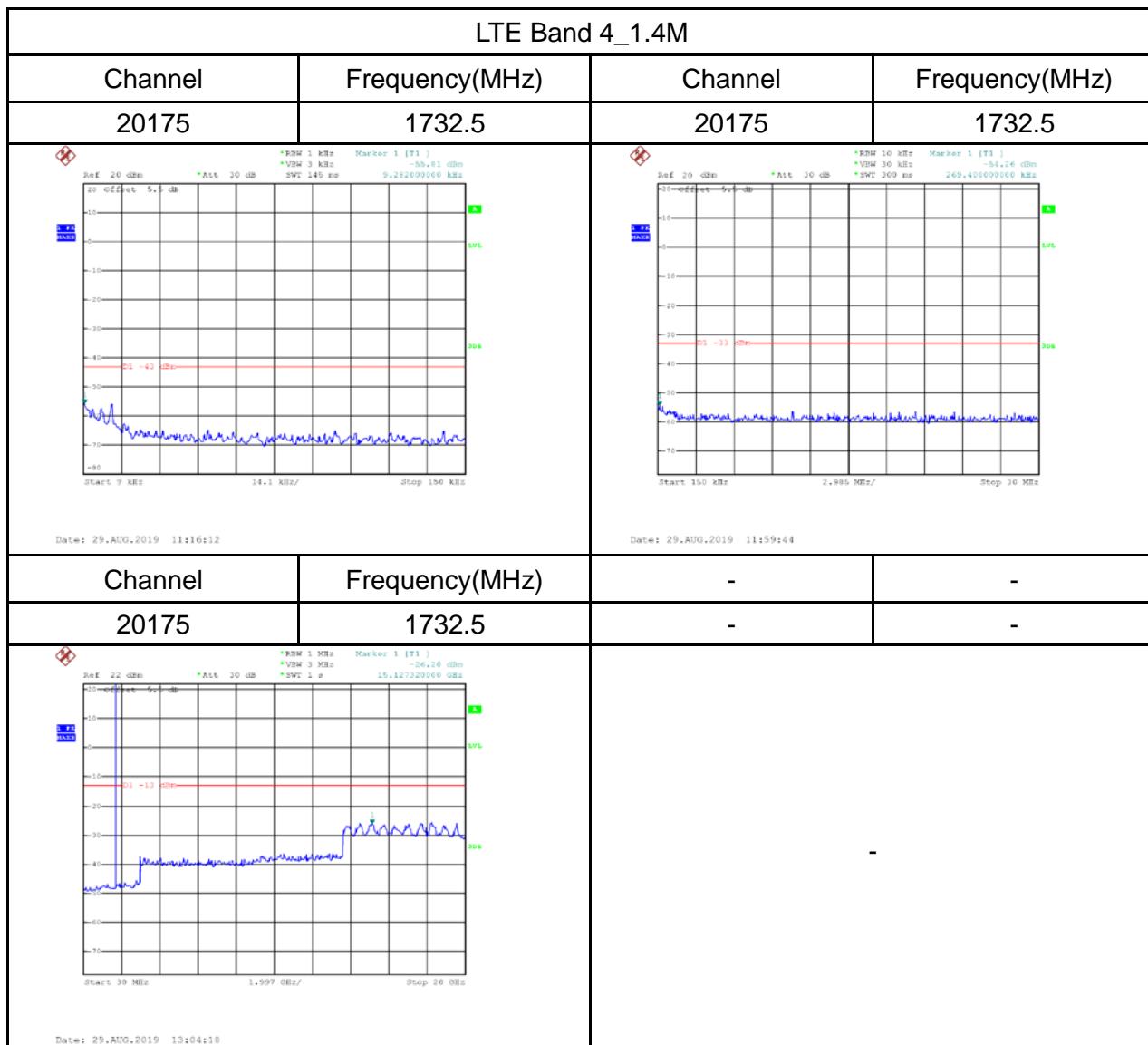


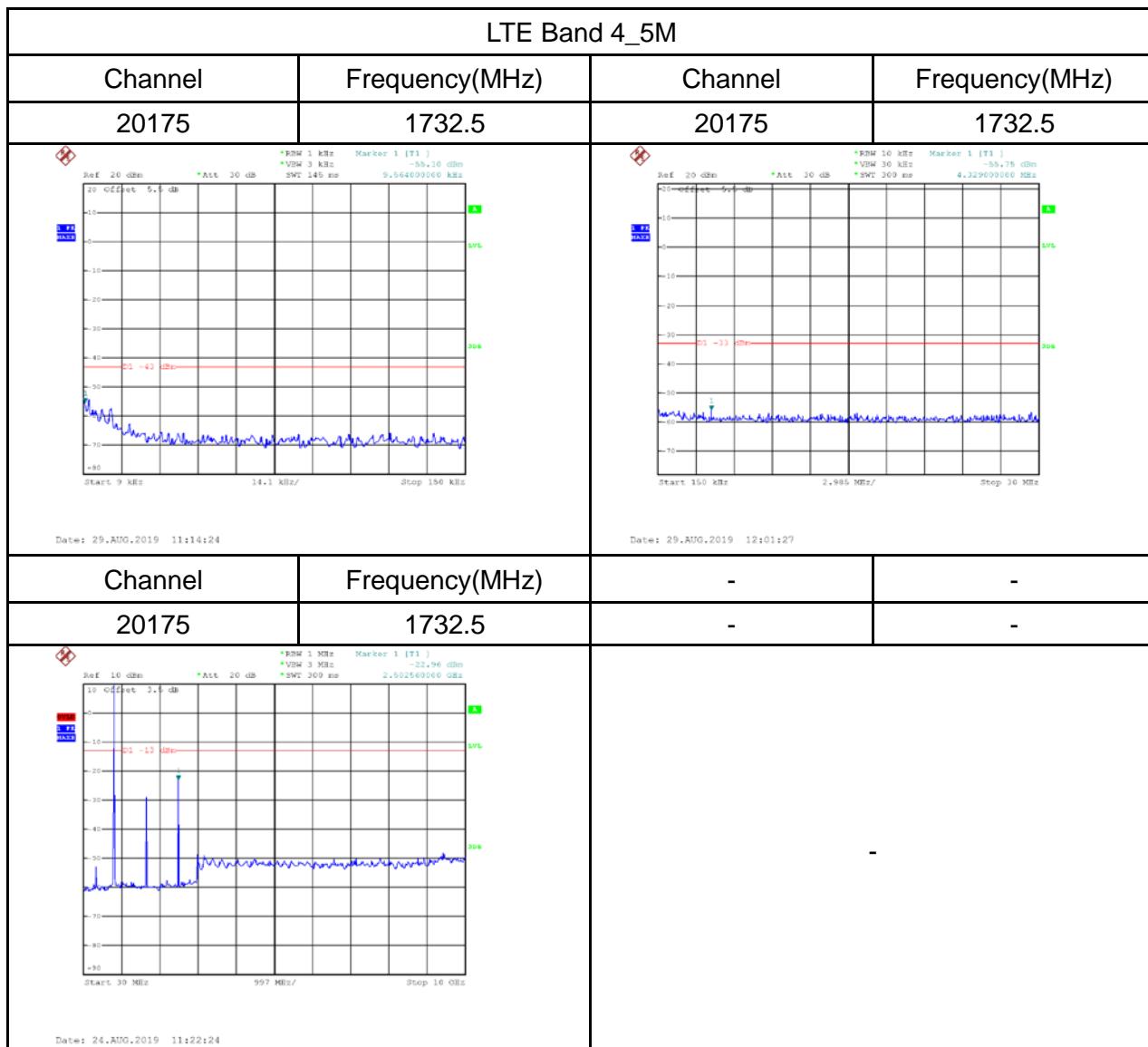
16QAM-23800

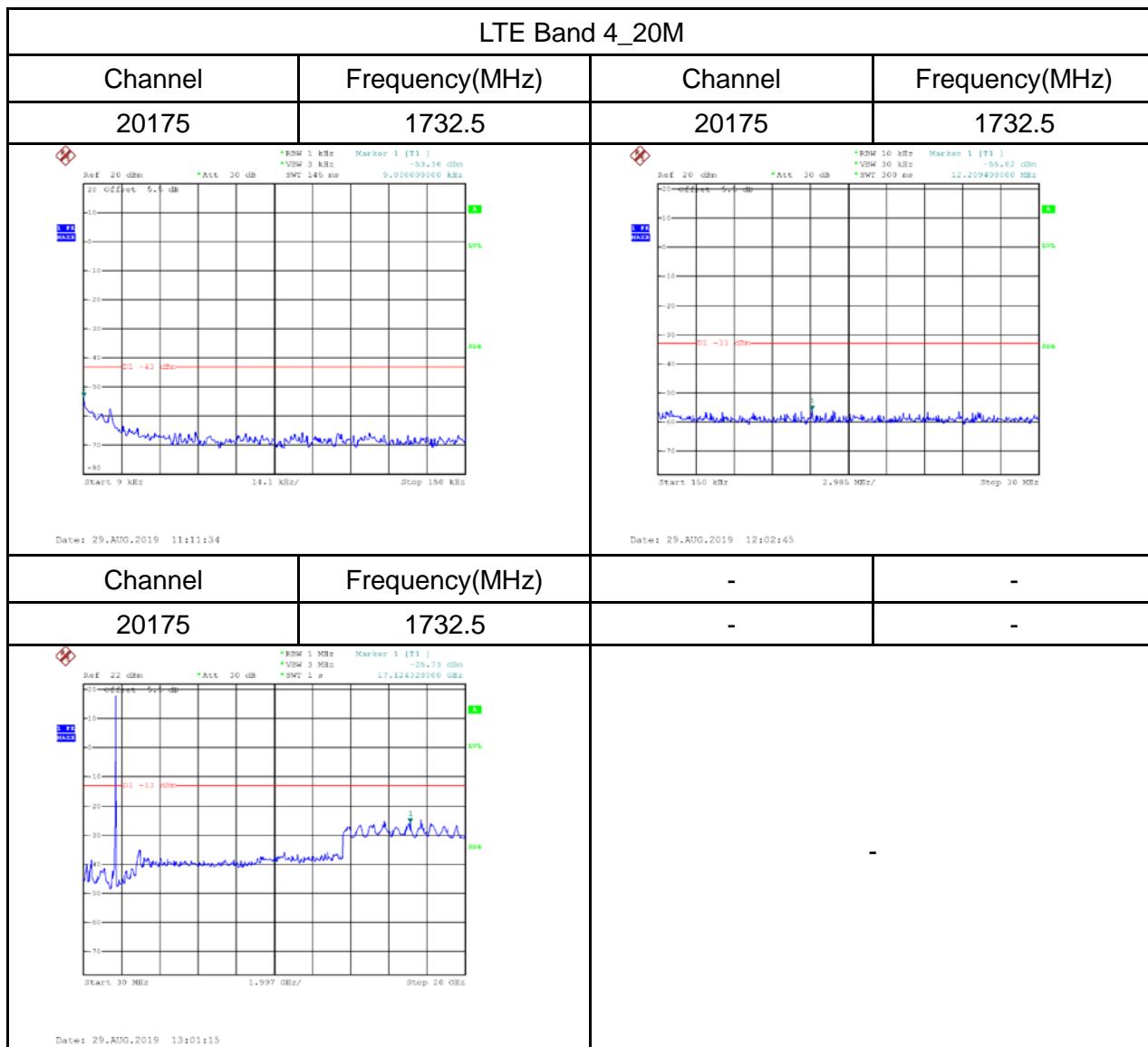


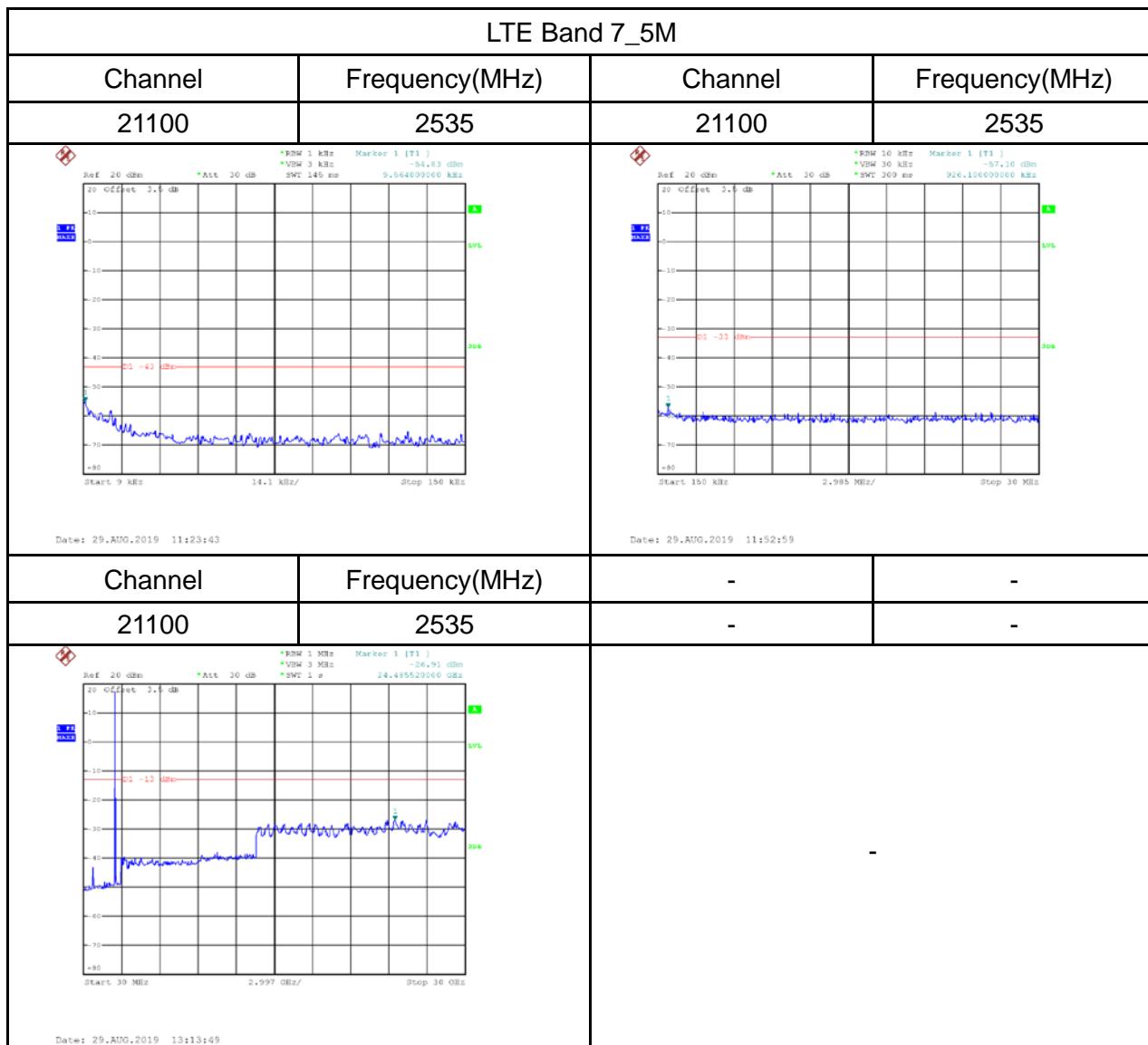
APPENDIX C - CONDUCTED EMISSIONS

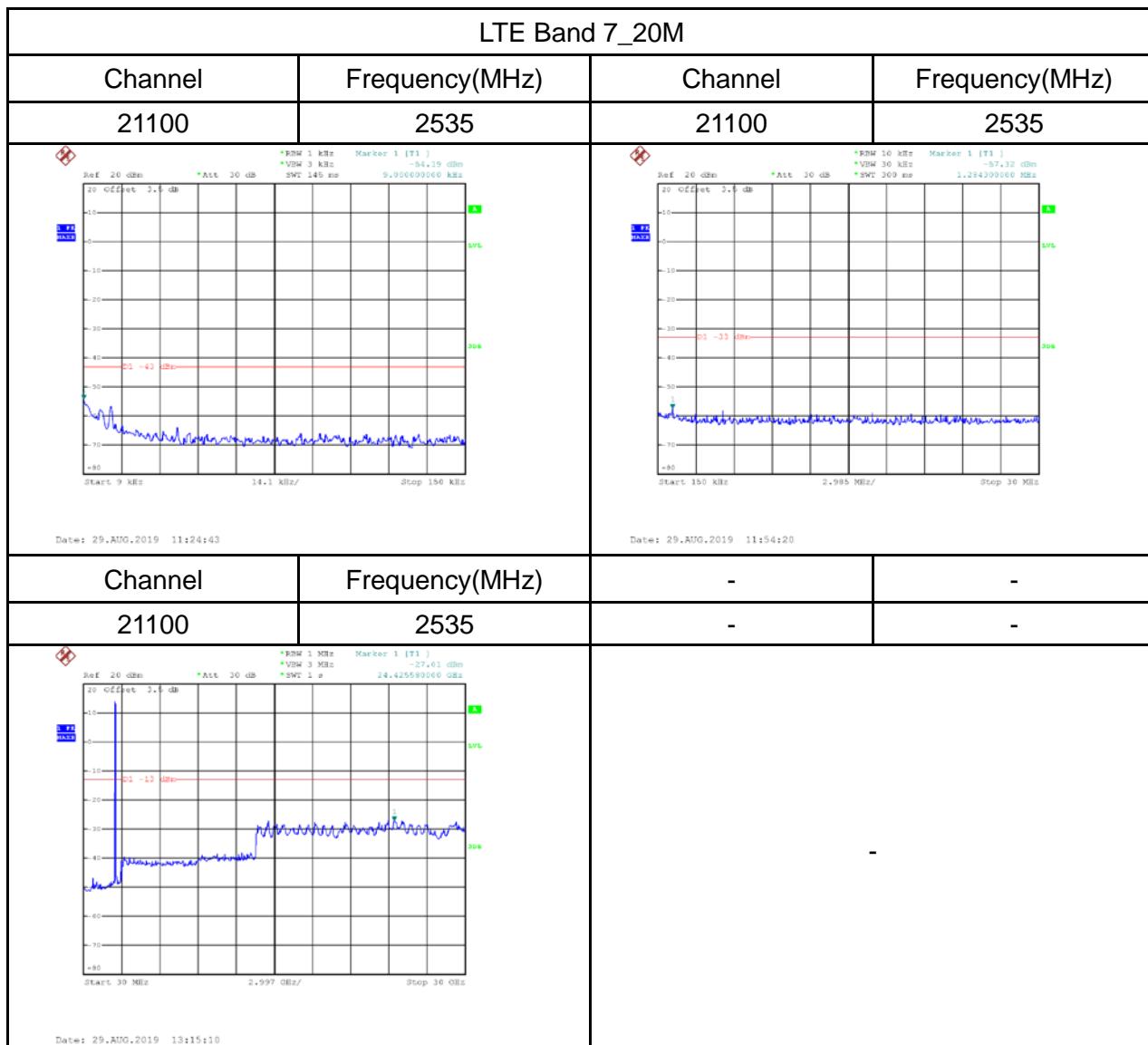
WCDMA Band IV_WCDMA			
Channel	Frequency(MHz)	Channel	Frequency(MHz)
1413	1732.6	1413	1732.6
Date: 29.AUG.2019 14:37:07		Date: 29.AUG.2019 14:40:31	
Channel	Frequency(MHz)	-	-
1413	1732.6	-	-
Date: 25.AUG.2019 11:45:55			

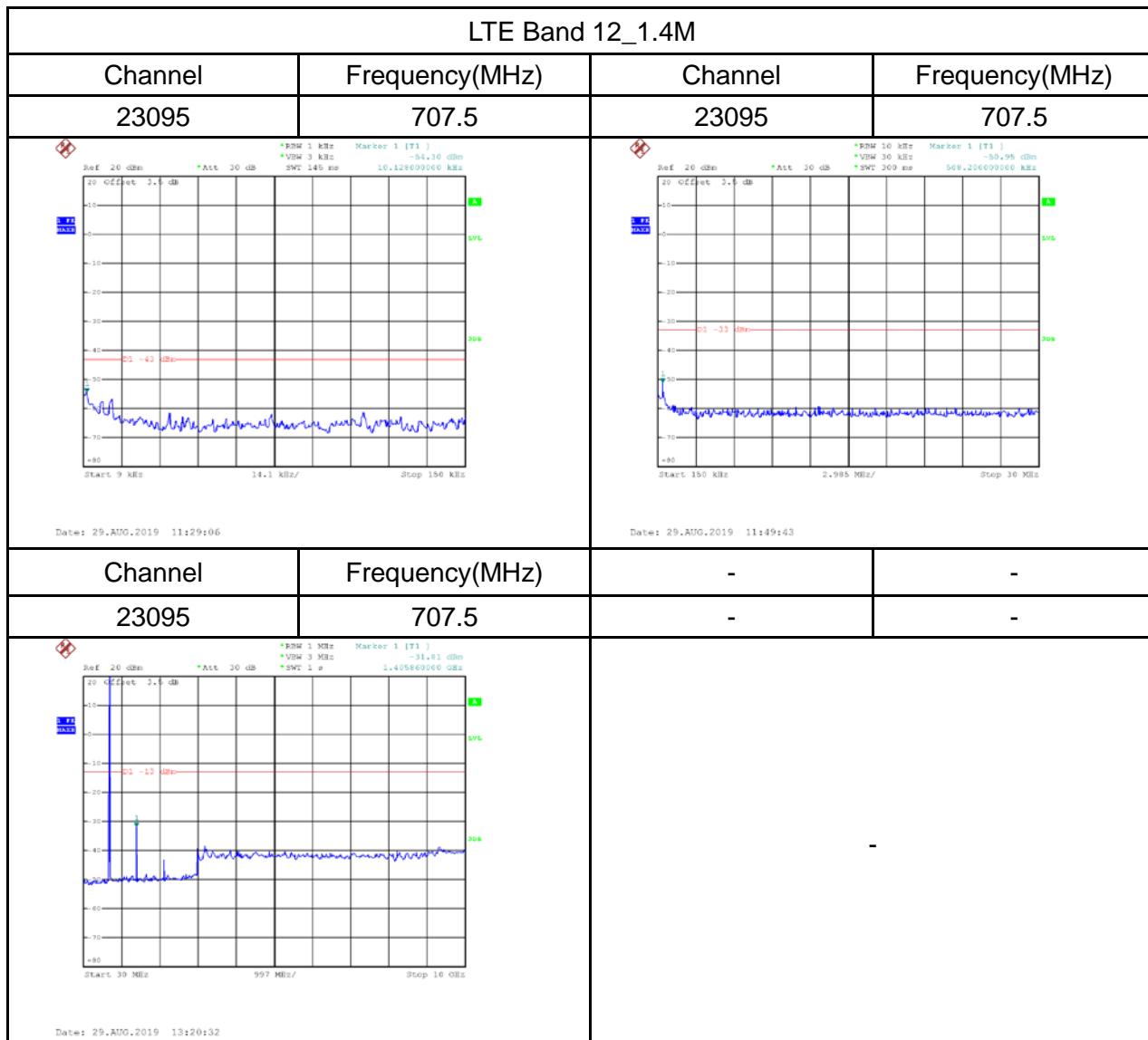




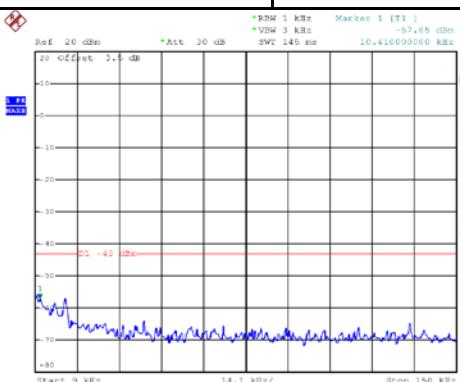
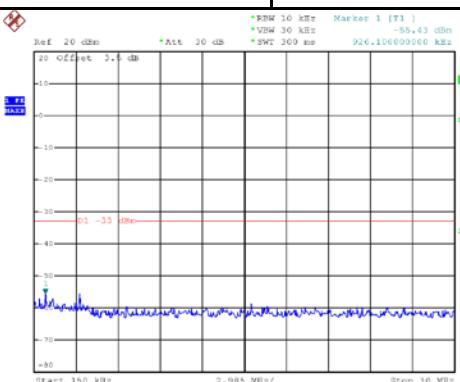
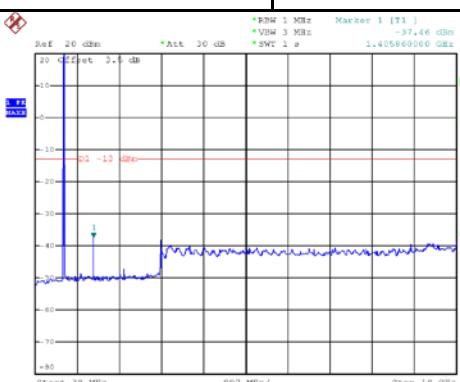


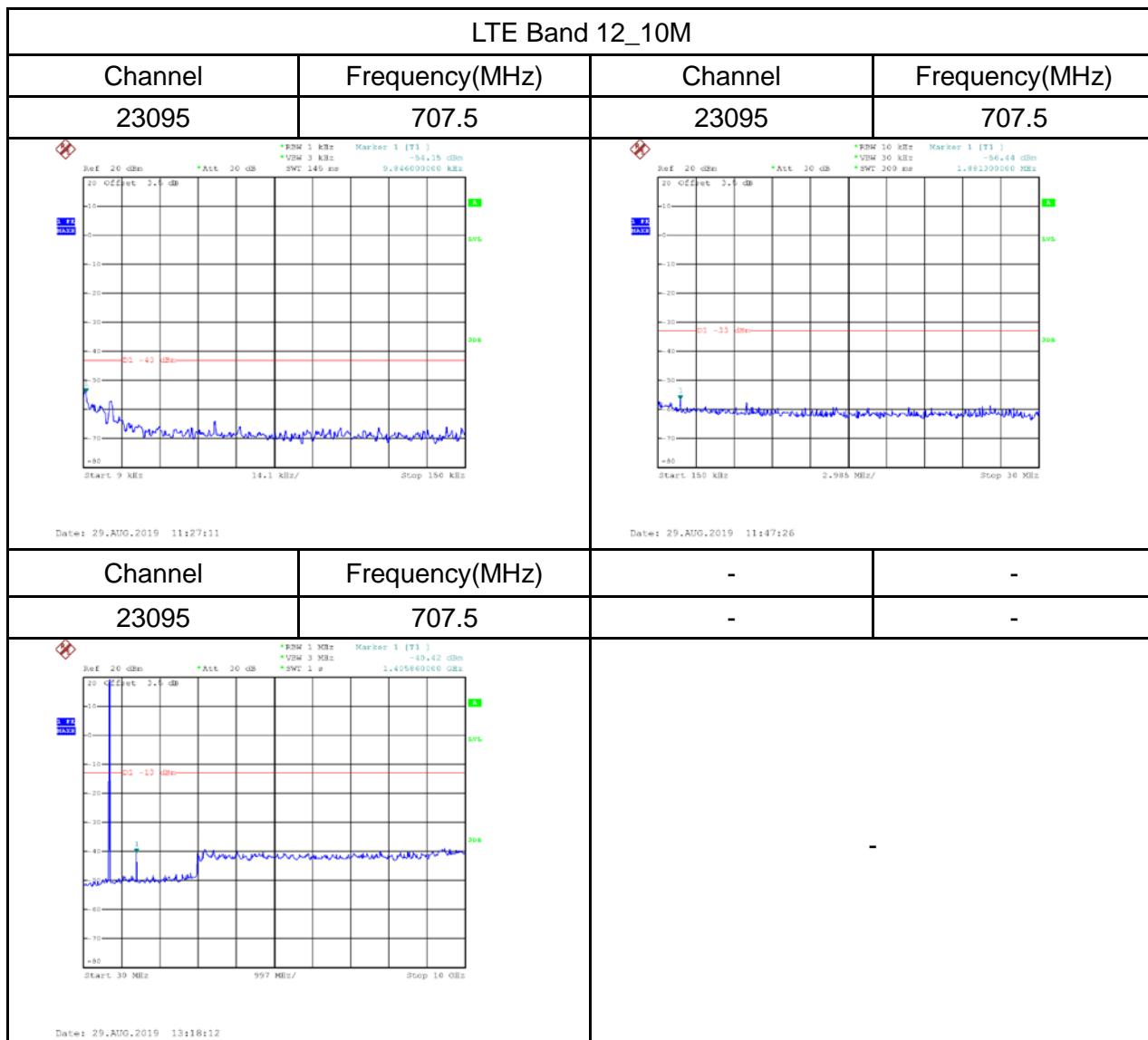


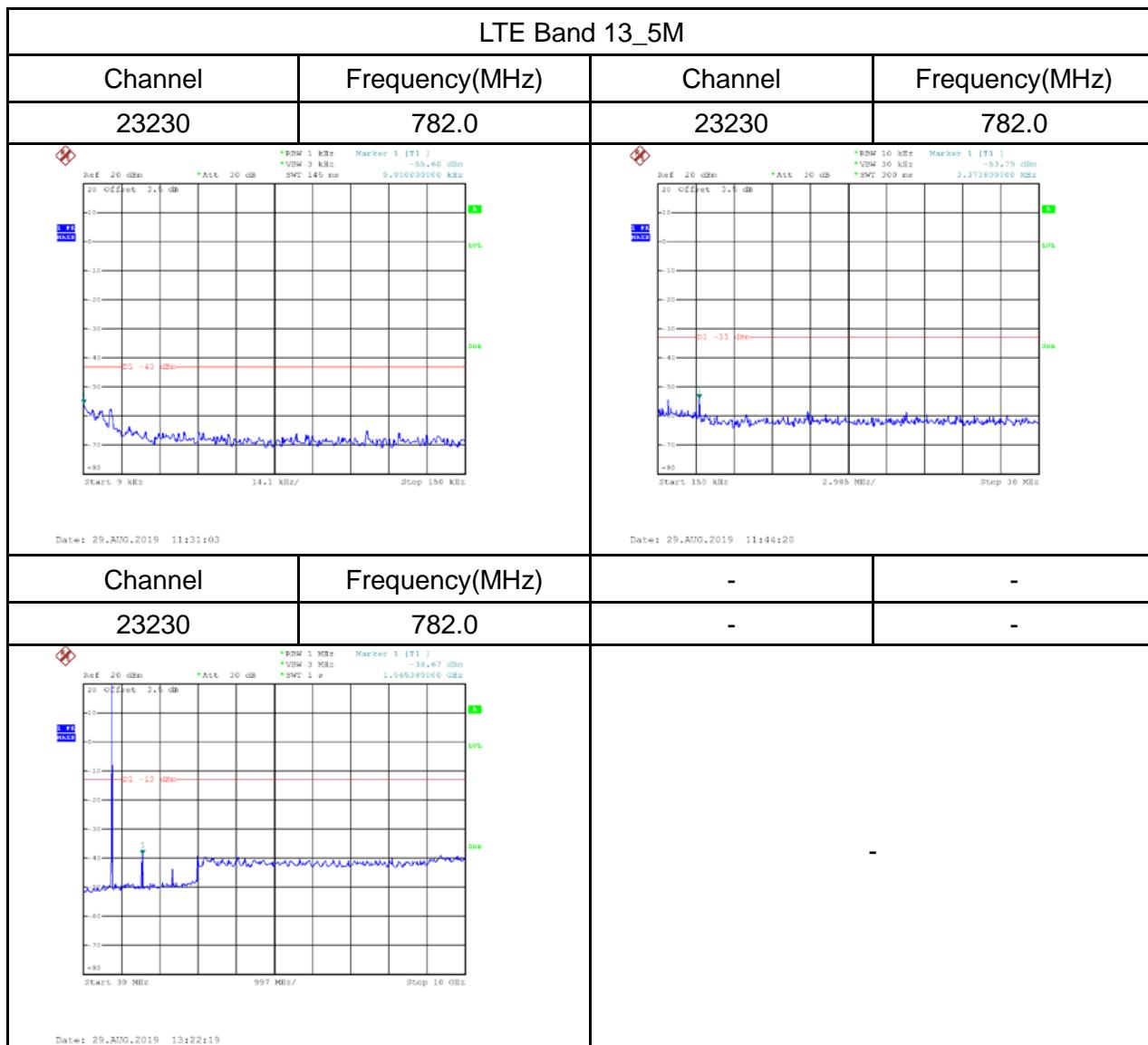


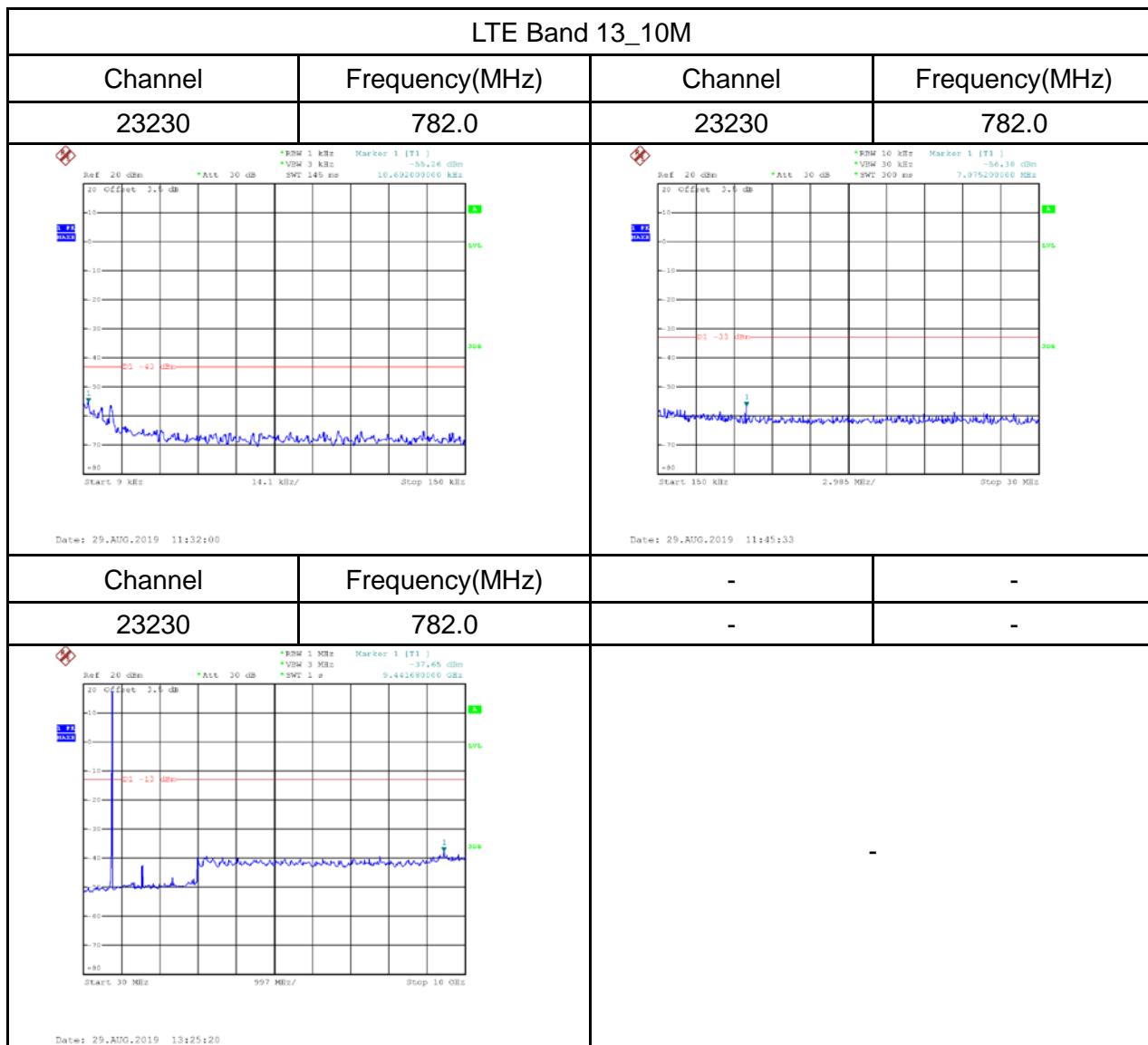


LTE Band 12_5M

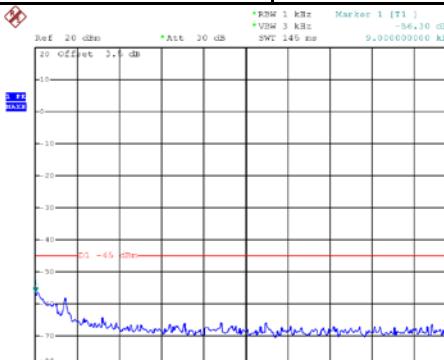
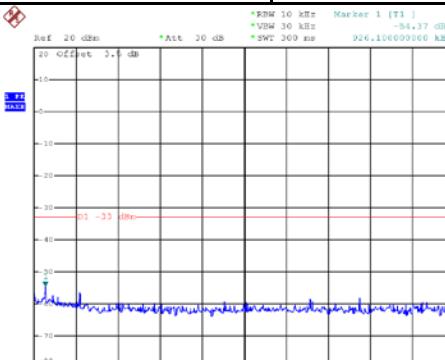
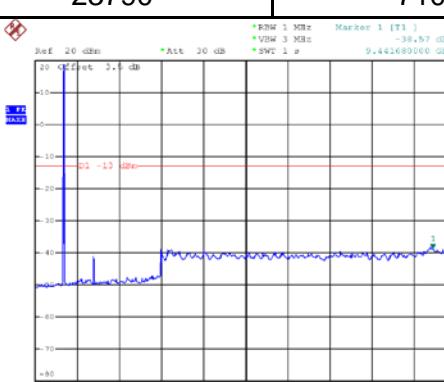
Channel	Frequency(MHz)	Channel	Frequency(MHz)
23095	707.5	23095	707.5
	Date: 29.AUG.2019 11:28:10		Date: 29.AUG.2019 11:48:44
Channel	Frequency(MHz)	-	-
23095	707.5	-	-
	Date: 29.AUG.2019 13:19:41		

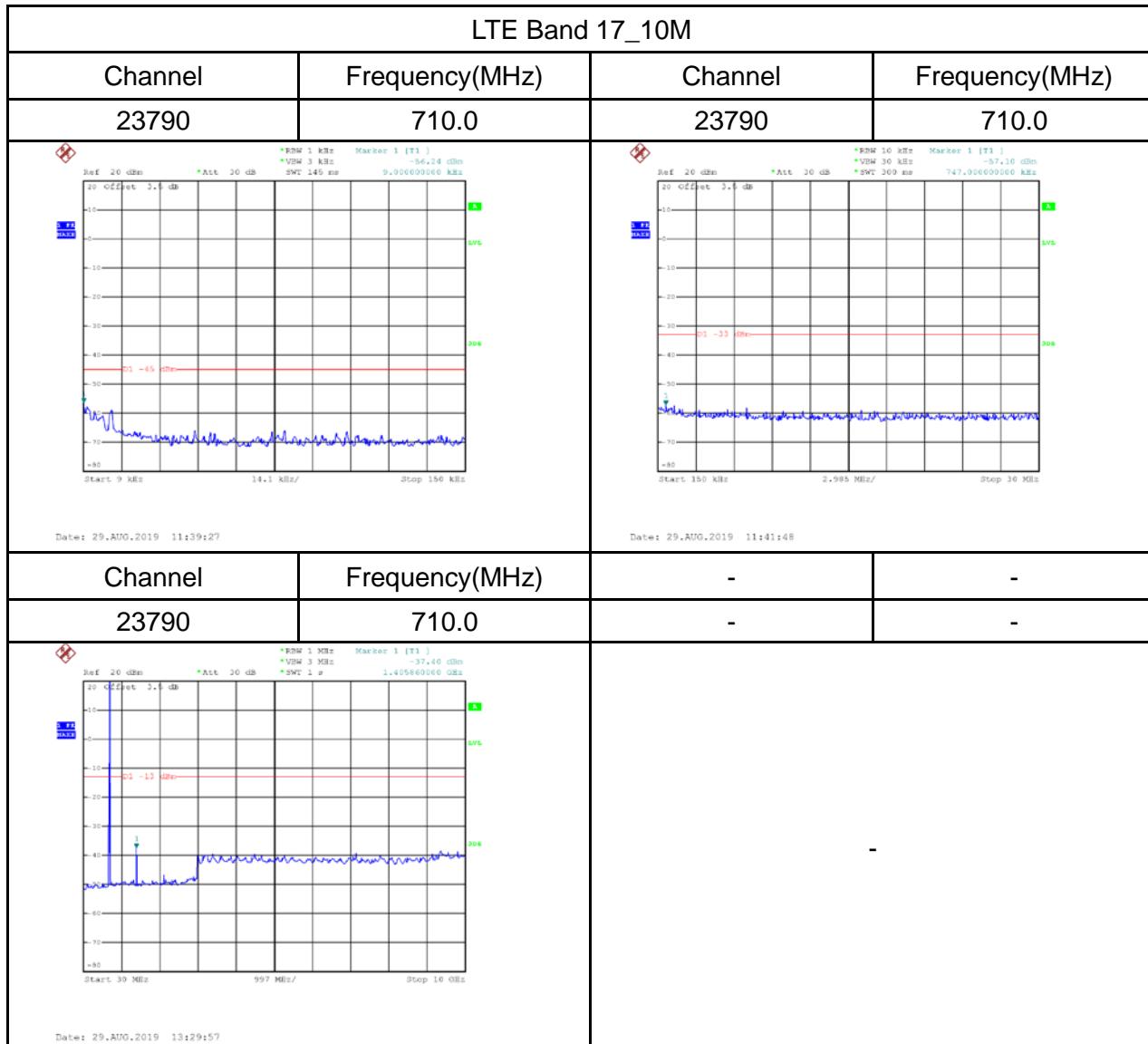






LTE Band 17_5M

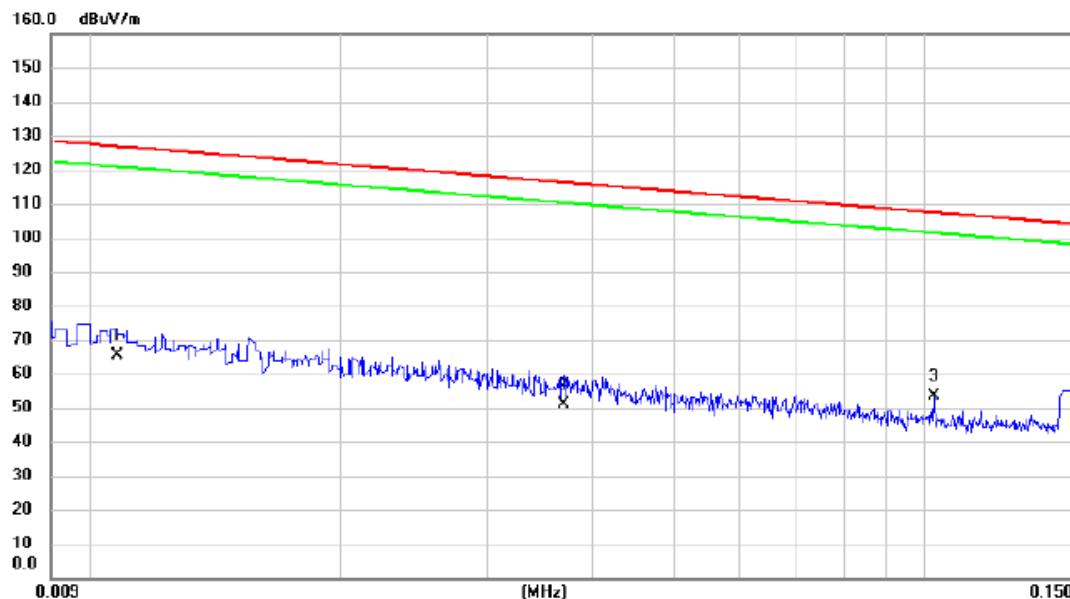
Channel	Frequency(MHz)	Channel	Frequency(MHz)
23790	710.0	23790	710.0
			
Date: 29.AUG.2019 11:38:16		Date: 29.AUG.2019 11:42:55	
Channel	Frequency(MHz)	-	-
23790	710.0	-	-
			
Date: 29.AUG.2019 13:28:03			



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

Test Mode: TX Mode

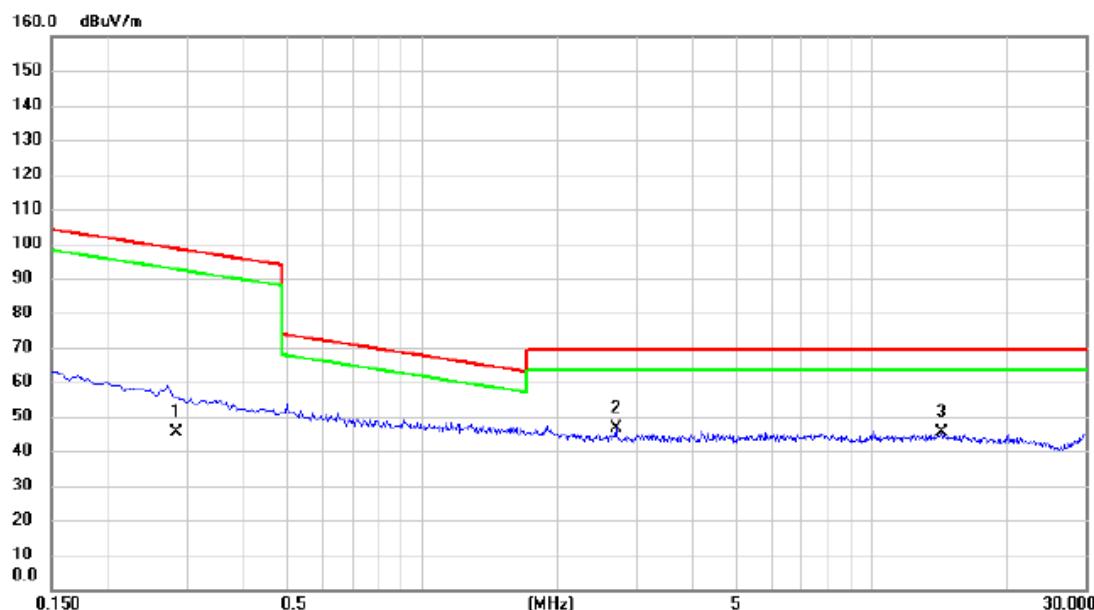
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	
		MHz	dBuV	dB	dBuV/m	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	-4.56	57.85	53.29	107.39	-54.10	QP

Test Mode: TX Mode

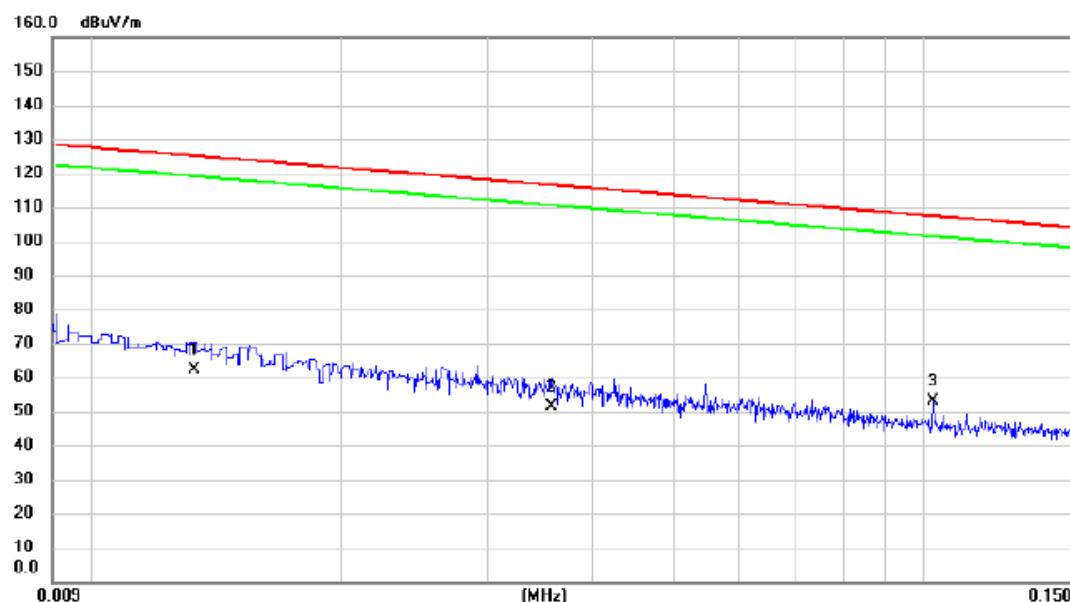
Ant 0°



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Detector	Comment
			Level	Factor	ment				
		MHz	dBuV	dB	dBuV/m	dB			
1		0.2850	-3.90	49.21	45.31	98.51	-53.20	AVG	
2	*	2.7015	8.23	38.24	46.47	69.54	-23.07	QP	
3		14.2980	7.35	38.14	45.49	69.54	-24.05	QP	

Test Mode: TX Mode

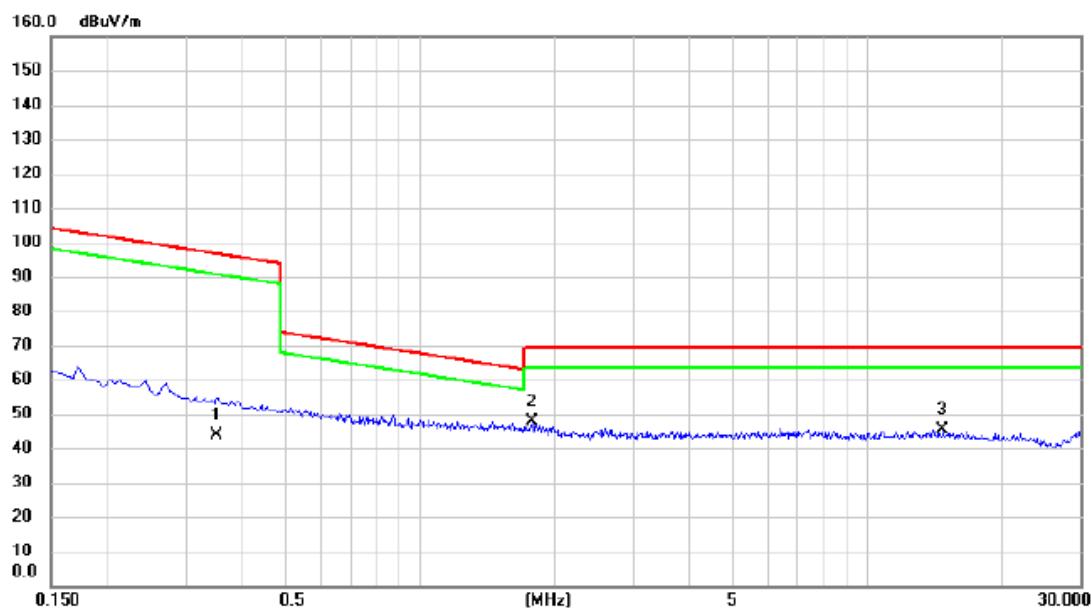
Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
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	-4.90	57.85	52.95	107.39	-54.44	QP	

Test Mode: TX Mode

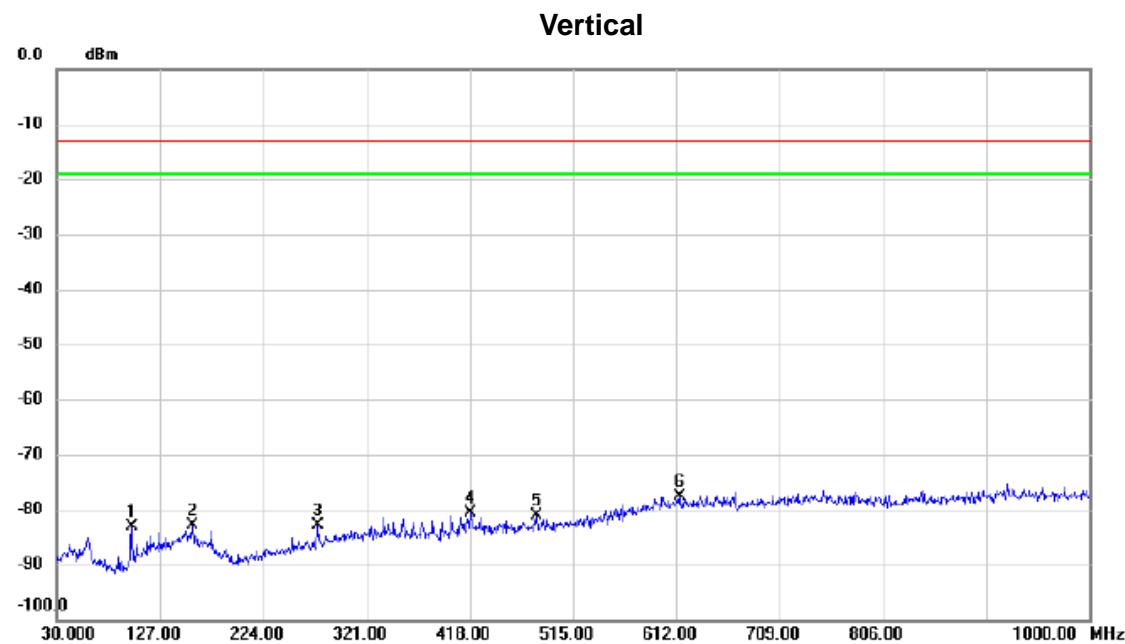
Ant 90°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dB	Margin Detector	Comment
1		0.3525	-3.80	47.55	43.75	96.66	-52.91	AVG
2	*	1.7790	8.54	39.33	47.87	69.54	-21.67	QP
3		14.7930	7.42	38.06	45.48	69.54	-24.06	QP

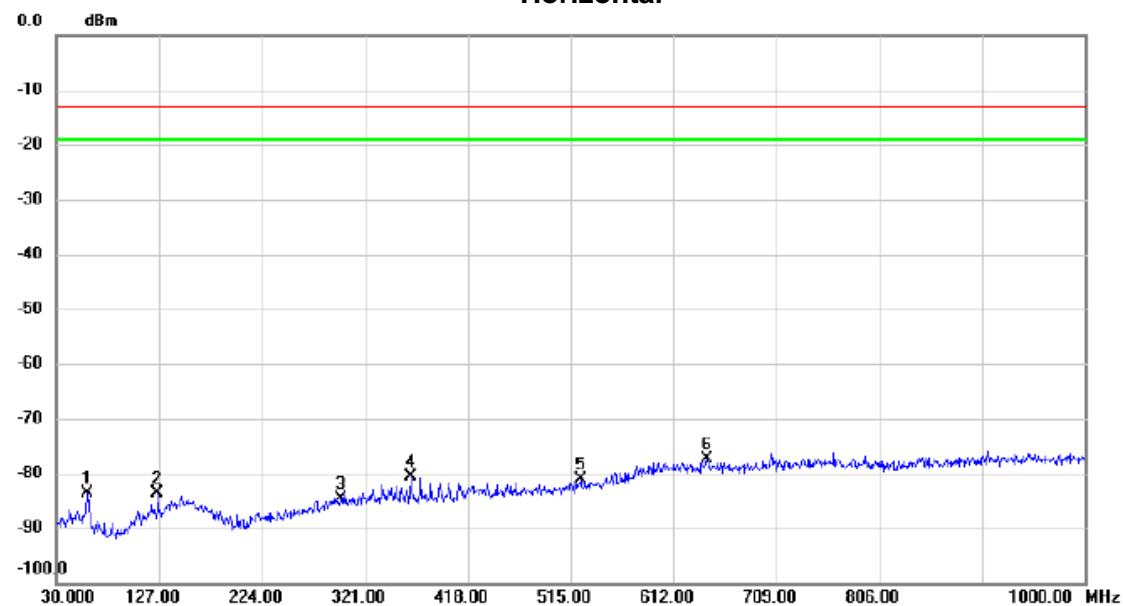
APPENDIX E - RADIATED EMISSION (30MHZ TO 1GHZ)

Test Mode: WCDMA Band IV _TX Mode



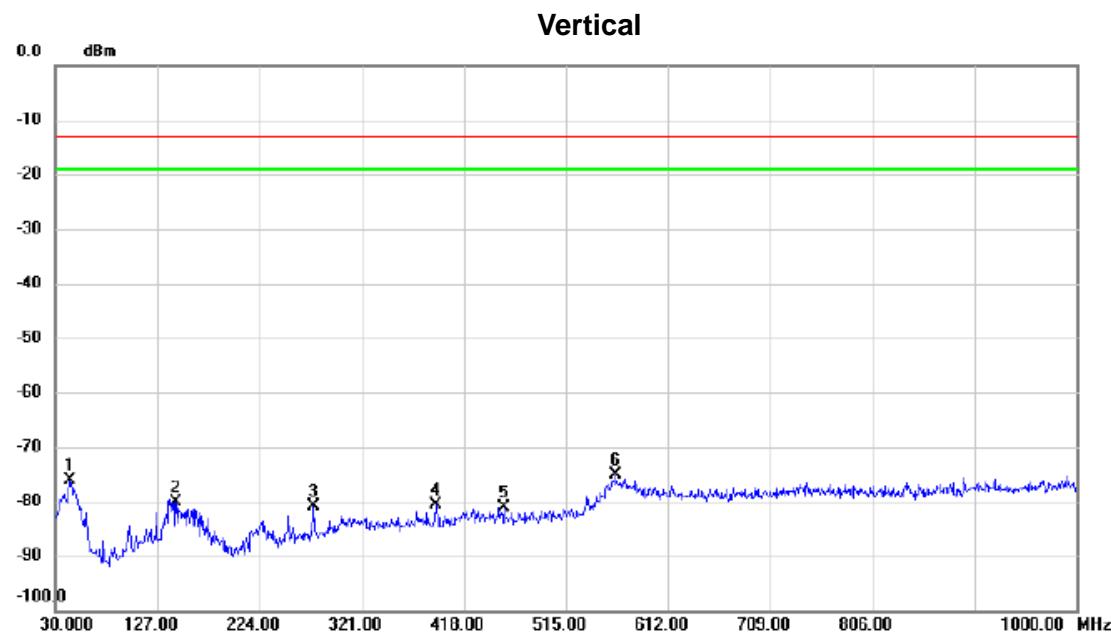
No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		100.0340	-64.73	-18.42	-83.15	-13.00	-70.15	peak	
2		157.6520	-68.96	-13.98	-82.94	-13.00	-69.94	peak	
3		275.7010	-68.43	-14.43	-82.86	-13.00	-69.86	peak	
4		418.4850	-68.76	-11.86	-80.62	-13.00	-67.62	peak	
5		481.0500	-69.66	-11.48	-81.14	-13.00	-68.14	peak	
6	*	614.8130	-70.36	-7.18	-77.54	-13.00	-64.54	peak	

Test Mode: WCDMA Band IV _TX Mode

Horizontal

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		58.6150	-66.58	-17.07	-83.65	-13.00	-70.65	peak	
2		125.2540	-68.06	-15.64	-83.70	-13.00	-70.70	peak	
3		298.1080	-71.22	-13.47	-84.69	-13.00	-71.69	peak	
4		364.4560	-68.03	-12.61	-80.64	-13.00	-67.64	peak	
5		524.4090	-70.51	-10.58	-81.09	-13.00	-68.09	peak	
6	*	643.5250	-70.25	-7.03	-77.28	-13.00	-64.28	peak	

Test Mode: LTE Band 4_TX Mode



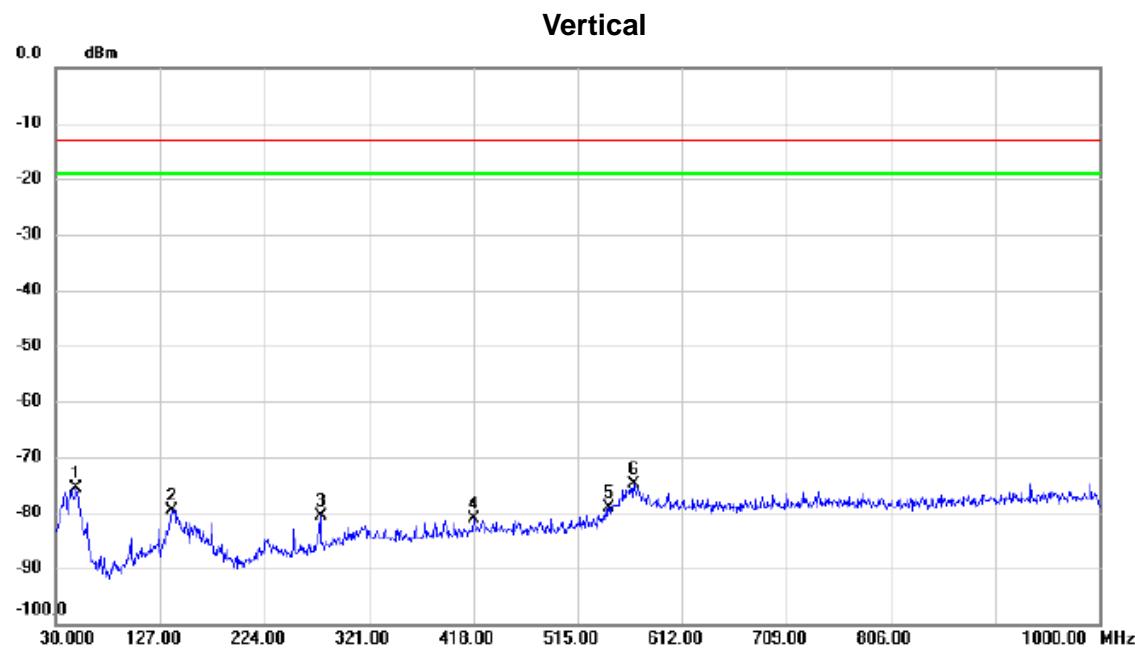
No.	Mk.	Freq. MHz	Reading Level	Correct Factor	Measure- ment	Limit dBm	Margin dB	Detector	Comment
			dBm	dB	dBm				
1		44.1620	-59.36	-16.74	-76.10	-13.00	-63.10	peak	
2		144.5570	-66.09	-14.03	-80.12	-13.00	-67.12	peak	
3		275.6040	-66.55	-14.44	-80.99	-13.00	-67.99	peak	
4		391.5190	-67.97	-12.75	-80.72	-13.00	-67.72	peak	
5		456.0240	-69.44	-11.63	-81.07	-13.00	-68.07	peak	
6	*	562.0450	-65.93	-9.23	-75.16	-13.00	-62.16	peak	

Test Mode: LTE Band 4_TX Mode

Horizontal

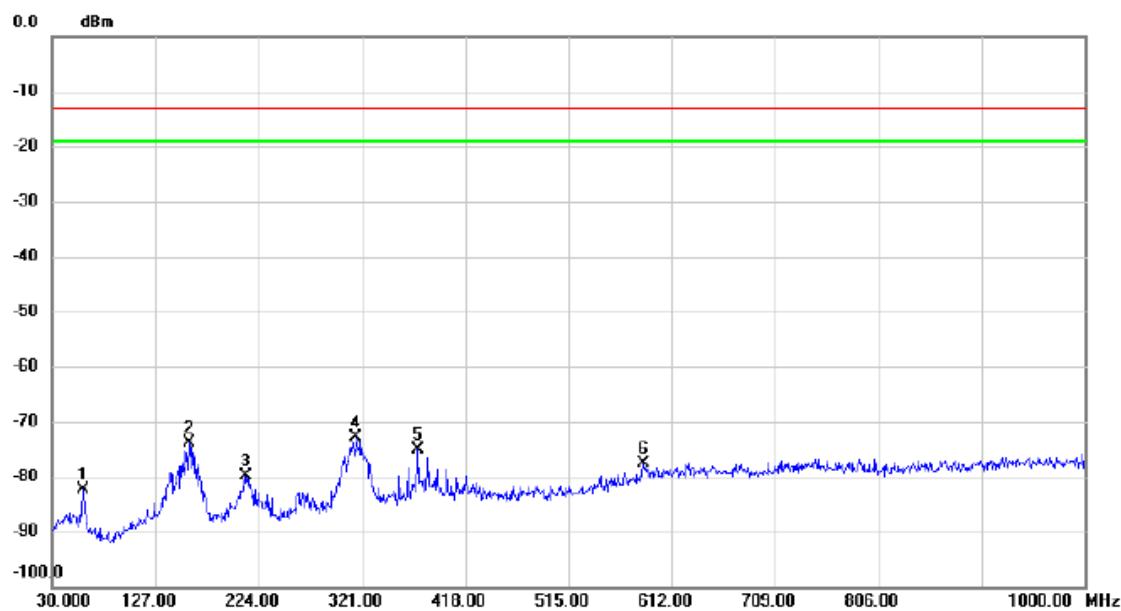
No.	Mk.	Freq. MHz	Reading Level	Correct Factor	Measure- ment	Limit	Margin	
			dBm	dB	dBm	dBm	dB	Detector
1		59.1970	-64.24	-17.09	-81.33	-13.00	-68.33	peak
2		159.7860	-59.63	-14.10	-73.73	-13.00	-60.73	peak
3		211.4870	-61.65	-17.23	-78.88	-13.00	-65.88	peak
4	*	311.1060	-60.22	-13.17	-73.39	-13.00	-60.39	peak
5		373.4770	-63.46	-12.72	-76.18	-13.00	-63.18	peak
6		558.0680	-69.53	-9.44	-78.97	-13.00	-65.97	peak

Test Mode: LTE Band 7_TX Mode



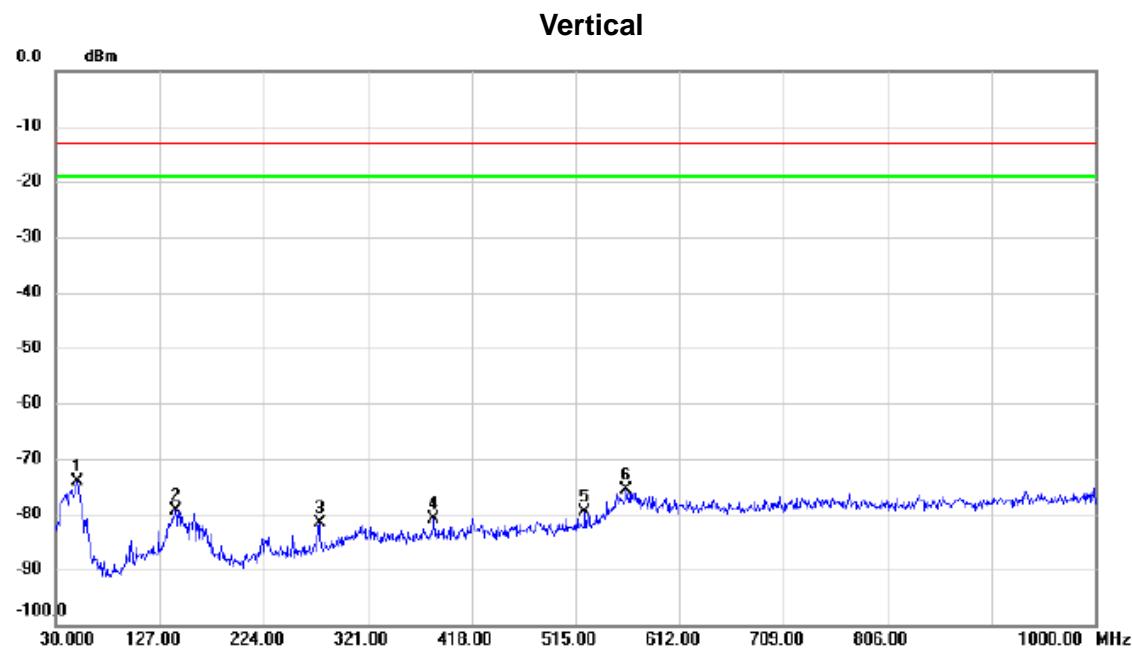
No.	Mk.	Freq. MHz	Reading Level	Correct Factor	Measure- ment	Limit dBm	Margin dB	Detector	Comment
			dBm	dB	dBm				
1		49.1090	-58.66	-16.91	-75.57	-13.00	-62.57	peak	
2		138.4460	-64.98	-14.59	-79.57	-13.00	-66.57	peak	
3		275.8950	-66.31	-14.42	-80.73	-13.00	-67.73	peak	
4		418.4850	-69.34	-11.86	-81.20	-13.00	-68.20	peak	
5		544.1970	-69.10	-10.03	-79.13	-13.00	-66.13	peak	
6	*	567.4770	-65.96	-8.95	-74.91	-13.00	-61.91	peak	

Test Mode: LTE Band 7_TX Mode

Horizontal

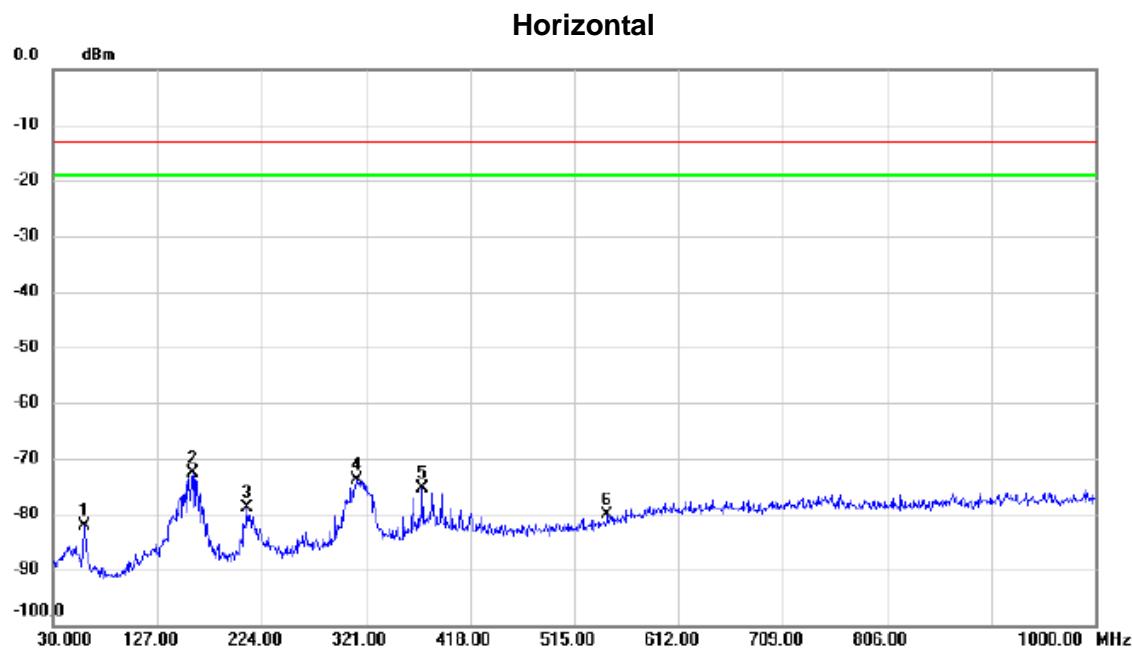
No.	Mk.	Freq. MHz	Reading Level	Correct Factor	Measure- ment	Limit	Margin	
			dBm	dB	dBm	dBm	dB	Detector
1		58.8090	-65.41	-17.07	-82.48	-13.00	-69.48	peak
2		158.2340	-59.96	-14.00	-73.96	-13.00	-60.96	peak
3		211.4870	-62.59	-17.23	-79.82	-13.00	-66.82	peak
4	*	315.6650	-59.90	-13.09	-72.99	-13.00	-59.99	peak
5		373.4770	-62.38	-12.72	-75.10	-13.00	-62.10	peak
6		585.4220	-69.51	-8.02	-77.53	-13.00	-64.53	peak

Test Mode: LTE Band 12_TX Mode



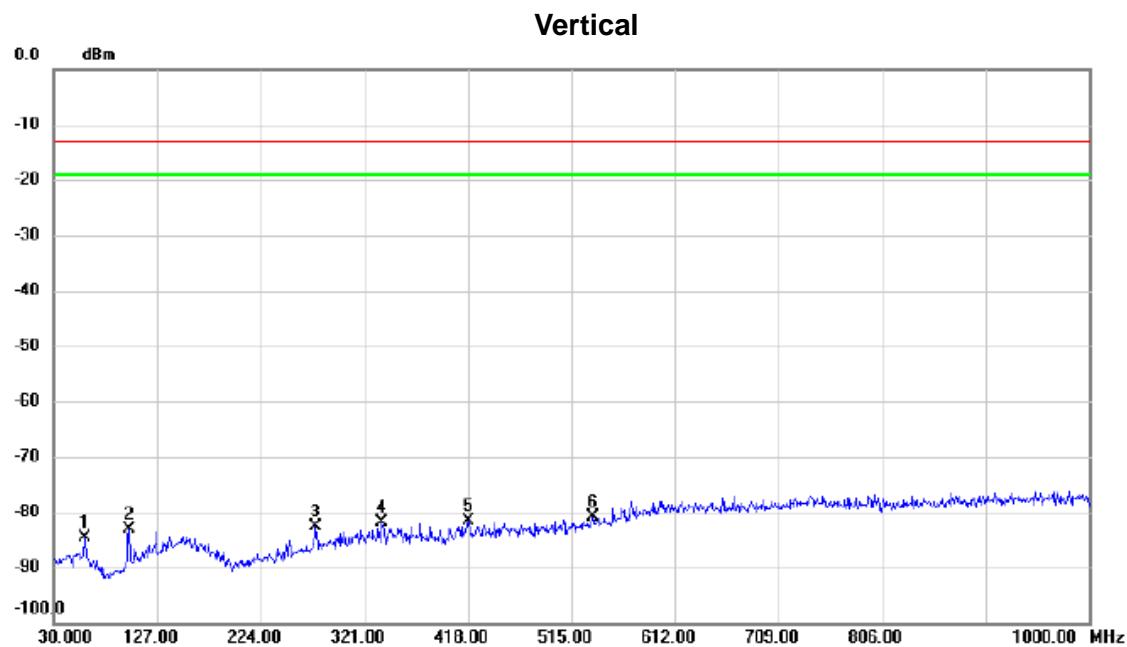
No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	49.4000	-57.22	-16.90	-74.12	-13.00	-61.12	peak	
2		141.5500	-65.03	-14.29	-79.32	-13.00	-66.32	peak	
3		275.9920	-67.16	-14.41	-81.57	-13.00	-68.57	peak	
4		382.4980	-68.19	-12.78	-80.97	-13.00	-67.97	peak	
5		524.0210	-69.02	-10.59	-79.61	-13.00	-66.61	peak	
6		562.5300	-66.49	-9.20	-75.69	-13.00	-62.69	peak	

Test Mode: LTE Band 12_TX Mode



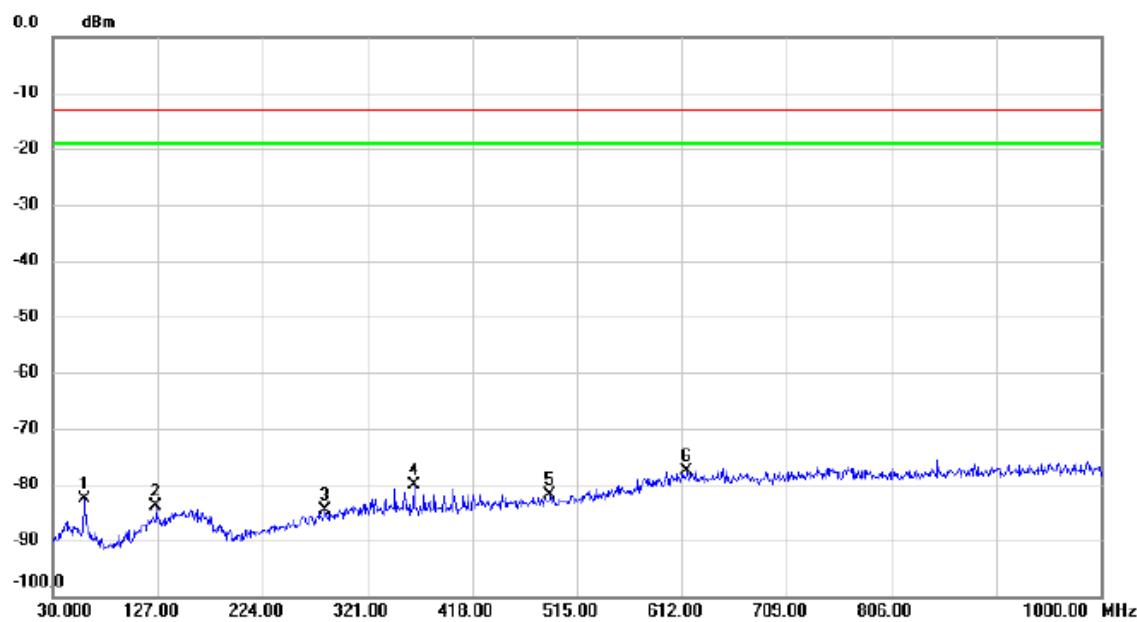
No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		58.8090	-64.94	-17.07	-82.01	-13.00	-69.01	peak	
2	*	159.7860	-58.52	-14.10	-72.62	-13.00	-59.62	peak	
3		209.9350	-61.68	-17.27	-78.95	-13.00	-65.95	peak	
4		312.5610	-60.66	-13.14	-73.80	-13.00	-60.80	peak	
5		373.4770	-62.59	-12.72	-75.31	-13.00	-62.31	peak	
6		545.8460	-70.14	-9.98	-80.12	-13.00	-67.12	peak	

Test Mode: LTE Band 13_TX Mode



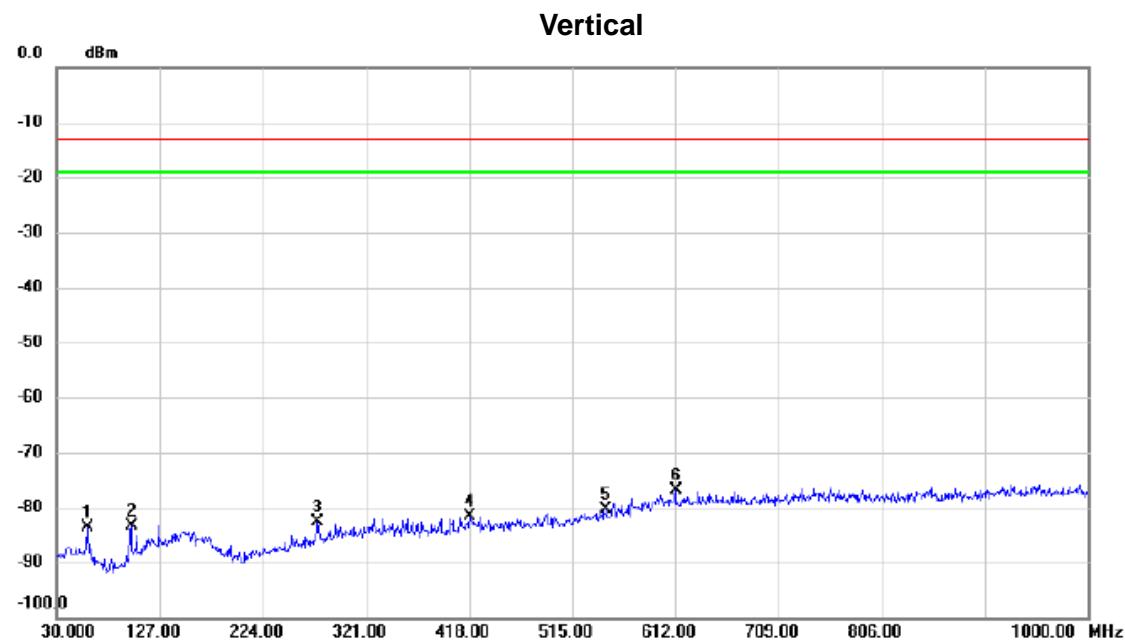
No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		58.7120	-67.65	-17.07	-84.72	-13.00	-71.72	peak	
2		100.2280	-64.82	-18.39	-83.21	-13.00	-70.21	peak	
3		275.6040	-68.22	-14.44	-82.66	-13.00	-69.66	peak	
4		337.4900	-69.08	-12.77	-81.85	-13.00	-68.85	peak	
5		418.4850	-69.84	-11.86	-81.70	-13.00	-68.70	peak	
6	*	534.5940	-70.58	-10.29	-80.87	-13.00	-67.87	peak	

Test Mode: LTE Band 13_TX Mode

Horizontal

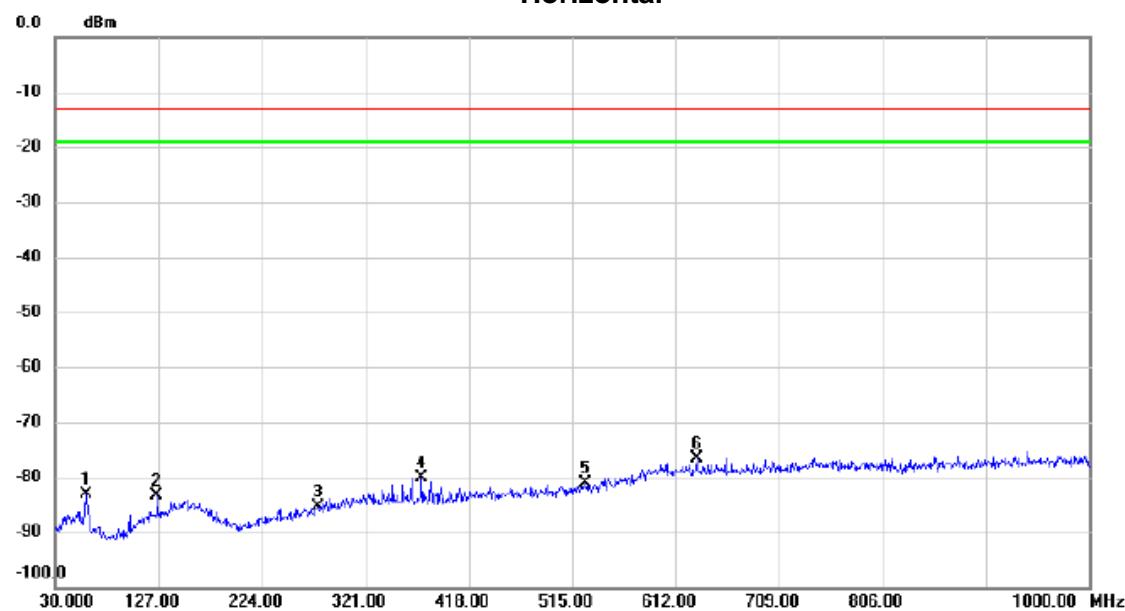
No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		58.7120	-65.46	-17.07	-82.53	-13.00	-69.53	peak	
2		125.2540	-68.24	-15.64	-83.88	-13.00	-70.88	peak	
3		281.3270	-70.63	-14.09	-84.72	-13.00	-71.72	peak	
4		364.4560	-67.61	-12.61	-80.22	-13.00	-67.22	peak	
5		489.7800	-70.53	-11.38	-81.91	-13.00	-68.91	peak	
6	*	616.9470	-70.43	-7.18	-77.61	-13.00	-64.61	peak	

Test Mode: LTE Band 17_TX Mode



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		58.8090	-66.67	-17.07	-83.74	-13.00	-70.74	peak	
2		100.2280	-64.89	-18.39	-83.28	-13.00	-70.28	peak	
3		275.6040	-68.25	-14.44	-82.69	-13.00	-69.69	peak	
4		418.4850	-69.75	-11.86	-81.61	-13.00	-68.61	peak	
5		547.3010	-70.55	-9.94	-80.49	-13.00	-67.49	peak	
6	*	612.1940	-69.64	-7.20	-76.84	-13.00	-63.84	peak	

Test Mode: LTE Band 17_TX Mode

Horizontal

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1		58.8090	-66.01	-17.07	-83.08	-13.00	-70.08	peak	
2		125.3510	-67.63	-15.64	-83.27	-13.00	-70.27	peak	
3		276.0890	-70.89	-14.40	-85.29	-13.00	-72.29	peak	
4		373.4770	-67.30	-12.72	-80.02	-13.00	-67.02	peak	
5		527.0280	-70.67	-10.51	-81.18	-13.00	-68.18	peak	
6	*	632.1760	-69.40	-7.10	-76.50	-13.00	-63.50	peak	