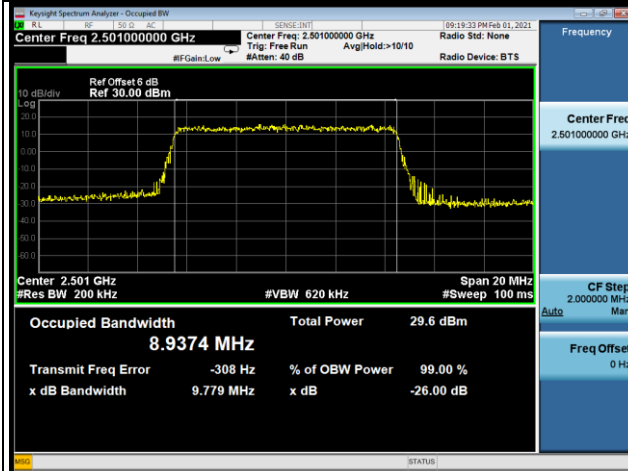
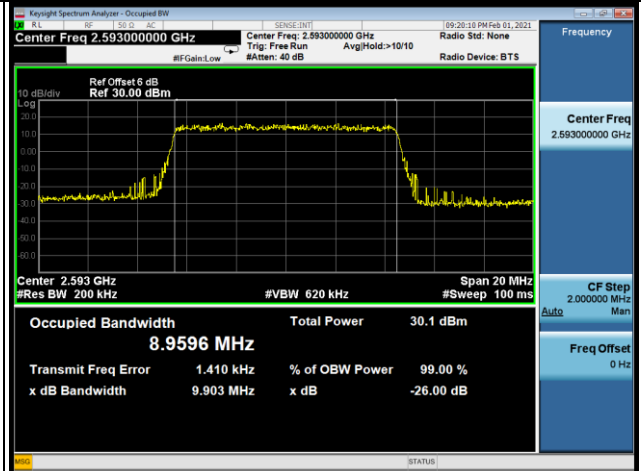


Spectrum Plot

QPSK-40090



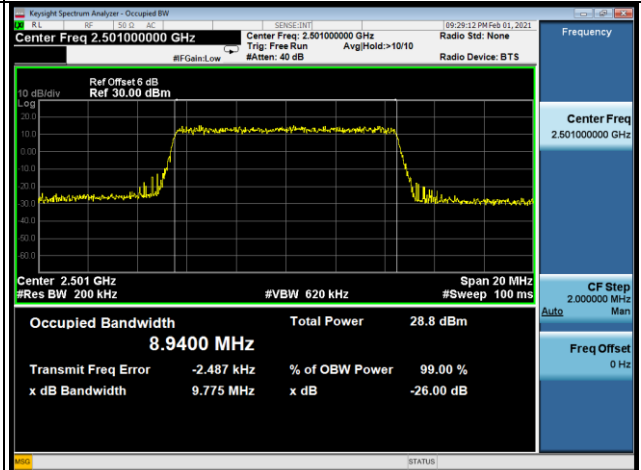
QPSK-40620



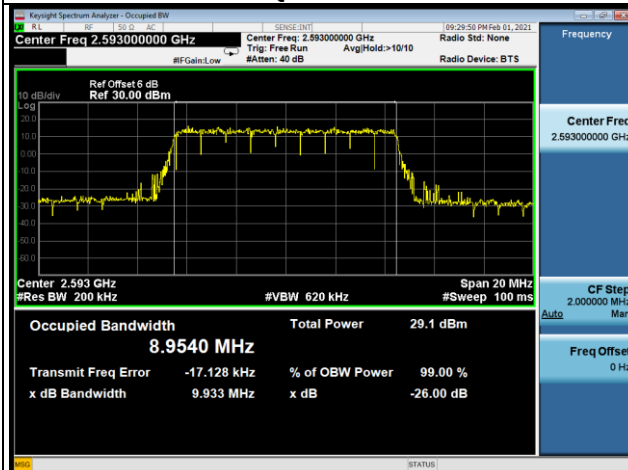
QPSK-41540



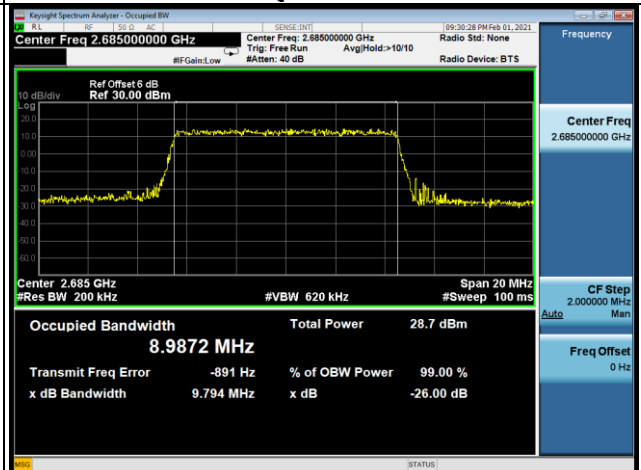
16QAM-39700



16QAM-40620

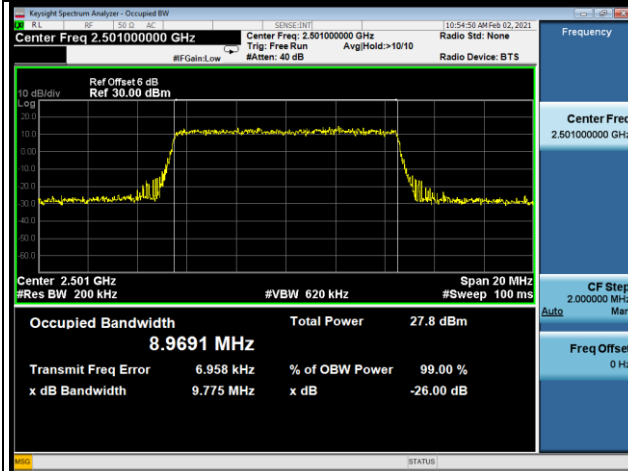


16QAM-41540

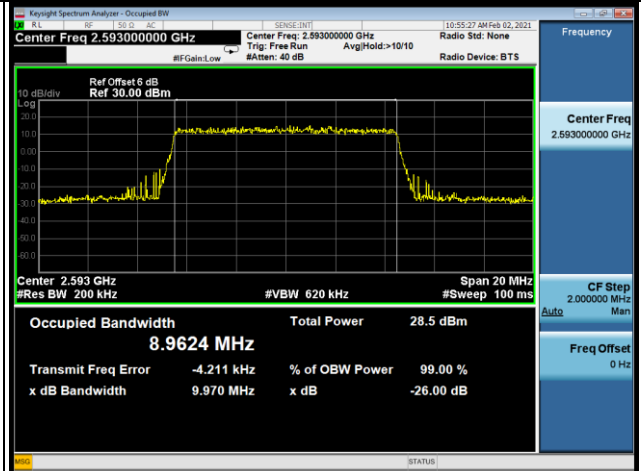


Spectrum Plot

64QAM-39700



64QAM-40620



64QAM-41540

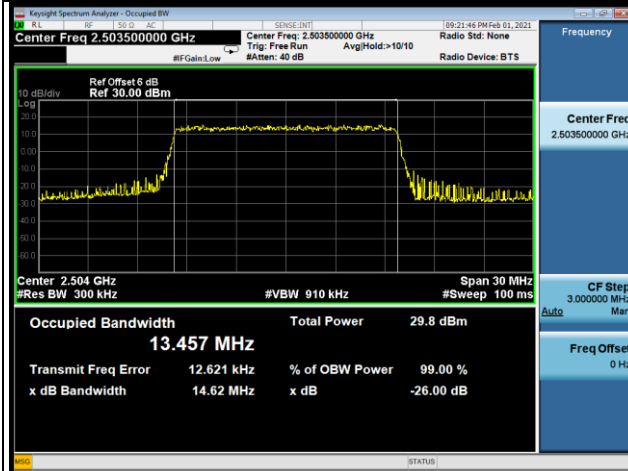


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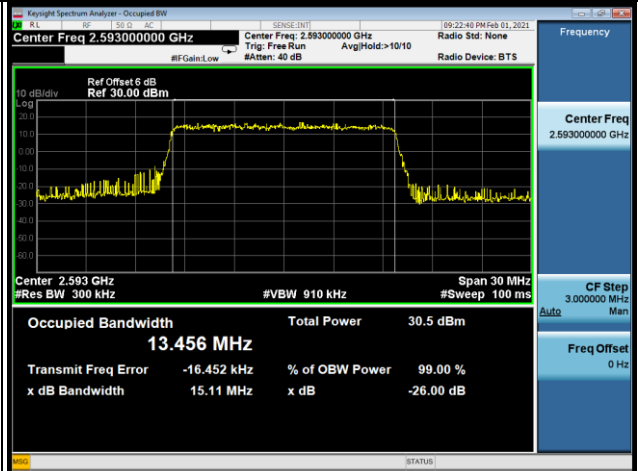
LTE Band 41_15M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
39725	2503.5	13.457	39725	2503.5	14.62
40620	2593	13.456	40620	2593	15.11
41515	2682.5	13.458	41515	2682.5	15.54
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
39725	2503.5	13.467	39725	2503.5	15.23
40620	2593	13.481	40620	2593	15.70
41515	2682.5	13.462	41515	2682.5	17.74
64QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
39725	2503.5	13.456	39725	2503.5	14.76
40620	2593	13.457	40620	2593	15.31
41515	2682.5	13.434	41515	2682.5	15.64

Spectrum Plot

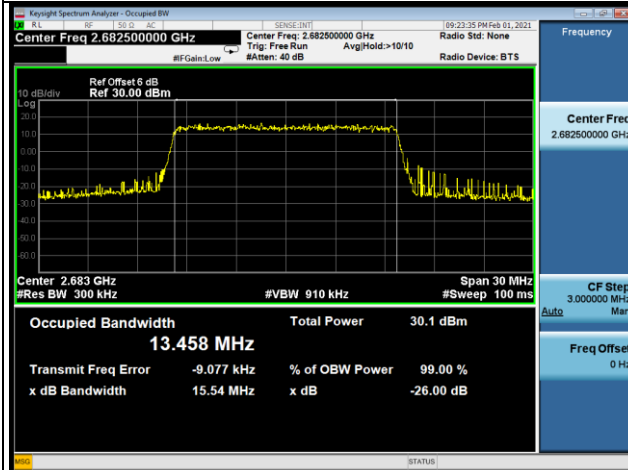
QPSK-39725



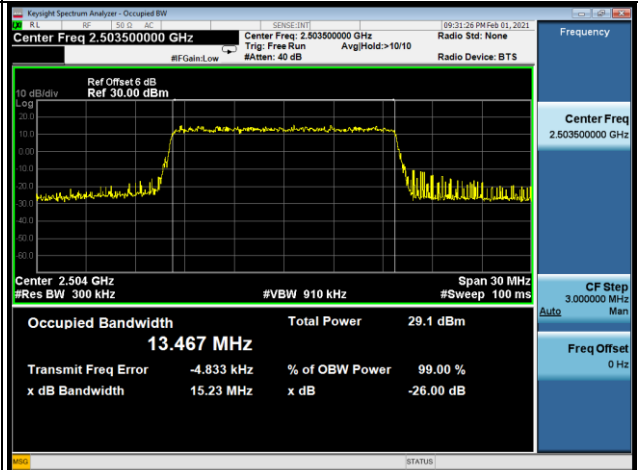
QPSK-40620



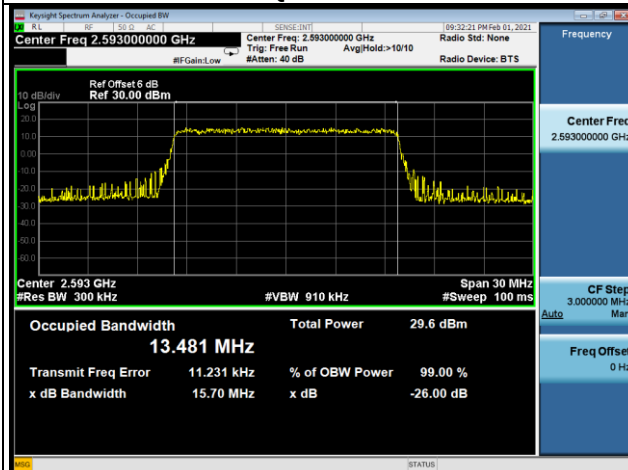
QPSK-41515



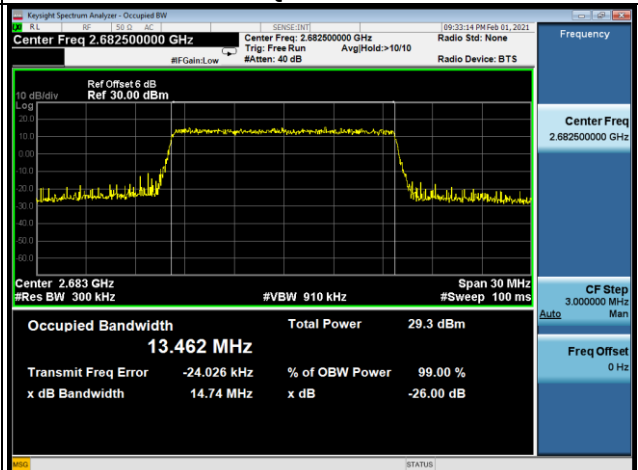
16QAM-39725



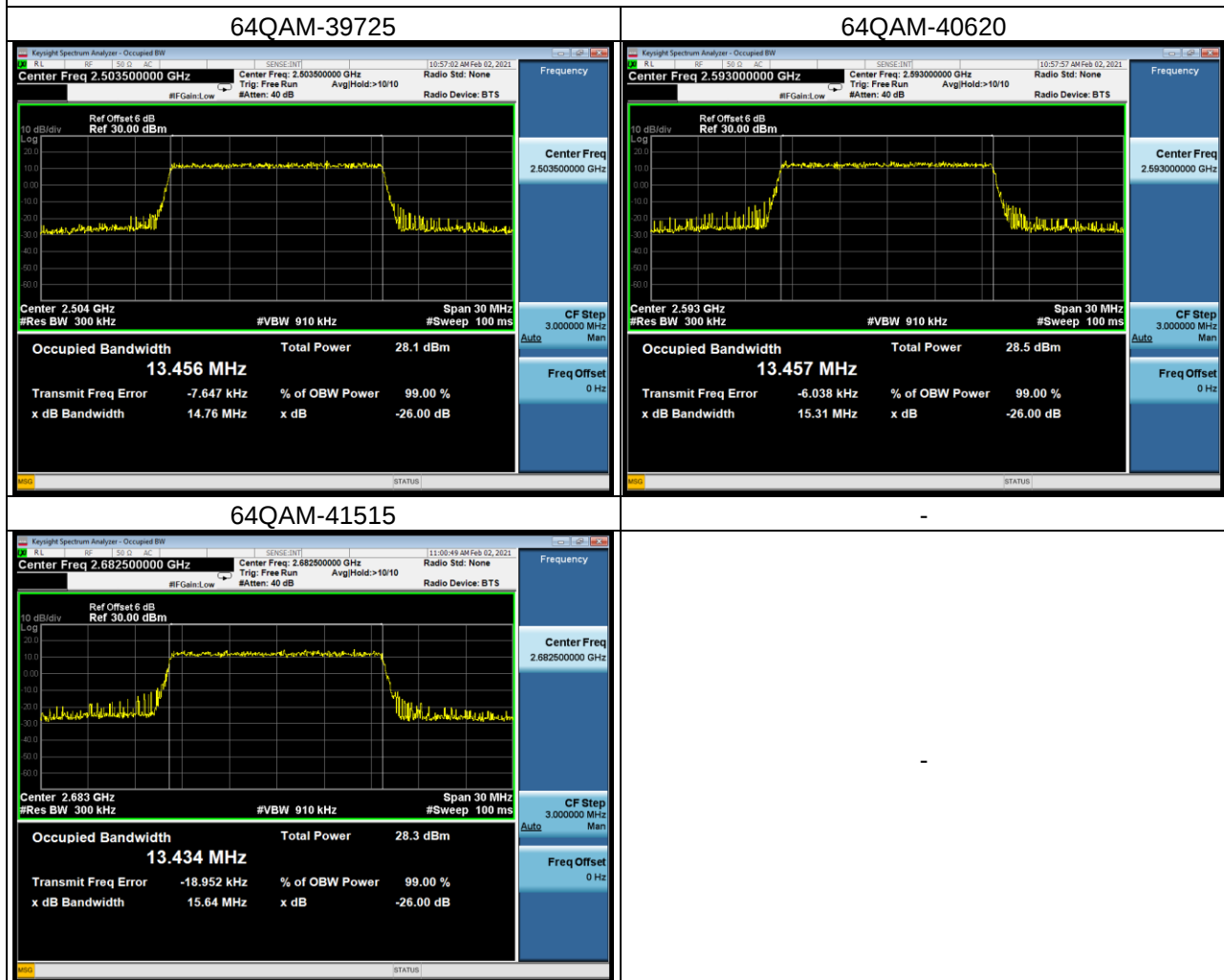
16QAM-40620



16QAM-41515



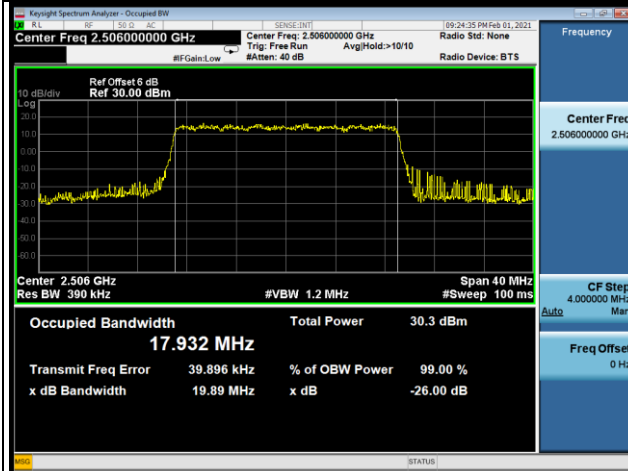
Spectrum Plot



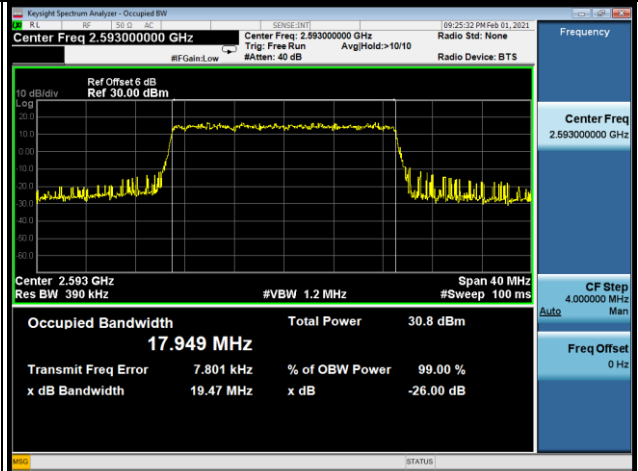
LTE Band 41_20M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
39750	2506	17.932	39750	2506	19.89
40620	2593	17.949	40620	2593	17.47
41490	2680	17.957	41490	2680	19.72
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
39750	2506	17.949	39750	2506	20.44
40620	2593	17.919	40620	2593	19.95
41490	2680	17.954	41490	2680	19.91
64QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
39750	2506	17.960	39750	2506	19.93
40620	2593	17.935	40620	2593	20.37
41490	2680	17.957	41490	2680	19.58

Spectrum Plot

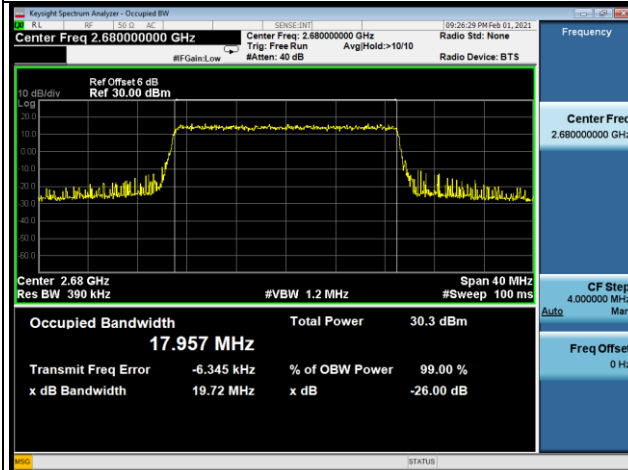
QPSK-39750



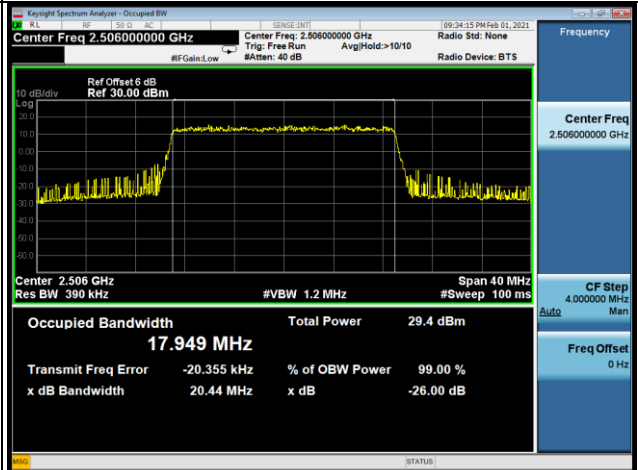
QPSK-40620



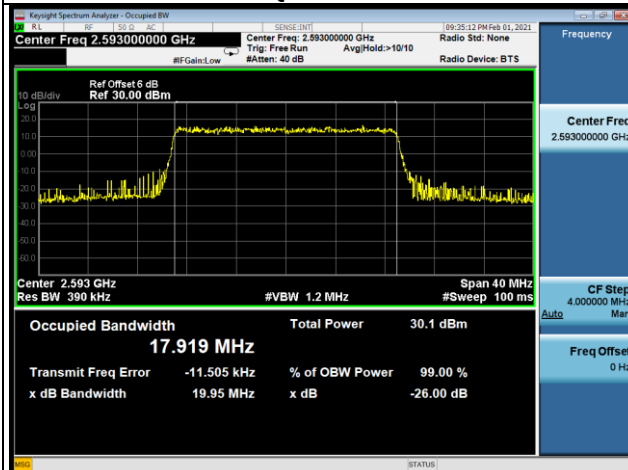
QPSK-41490



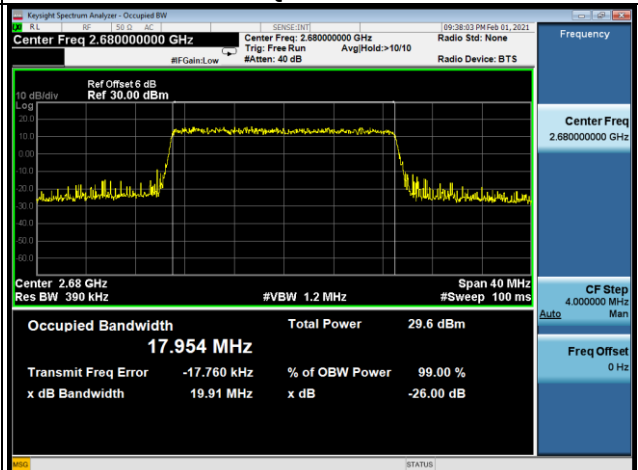
16QAM-39750



16QAM-40620

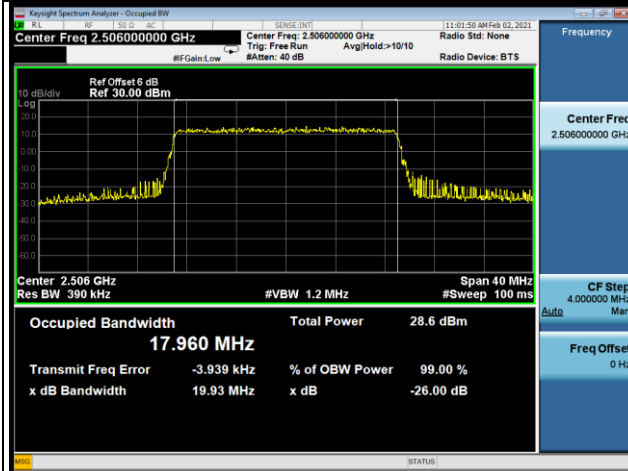


16QAM-41490

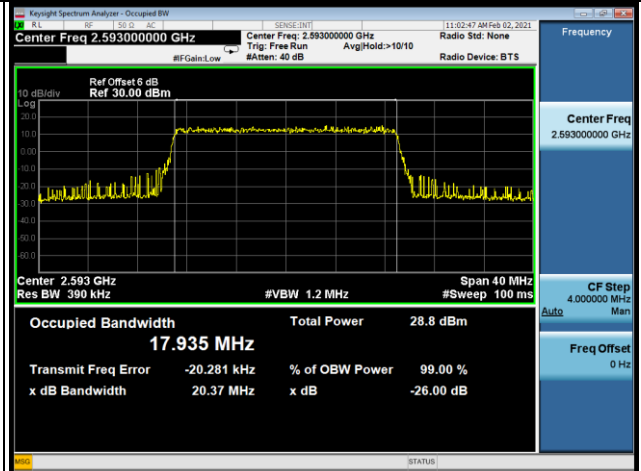


Spectrum Plot

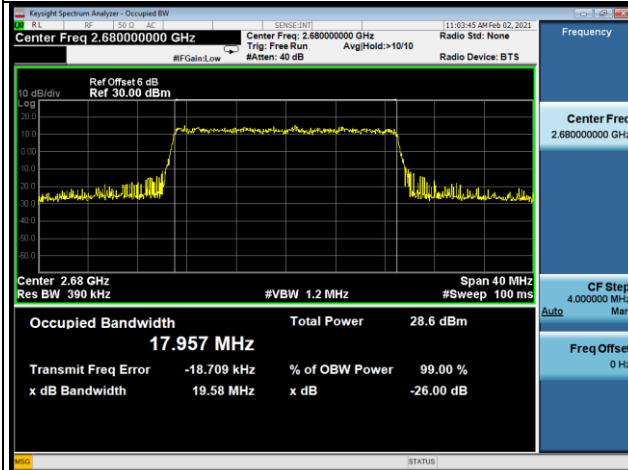
64QAM-39750



64QAM-40620



64QAM-41490

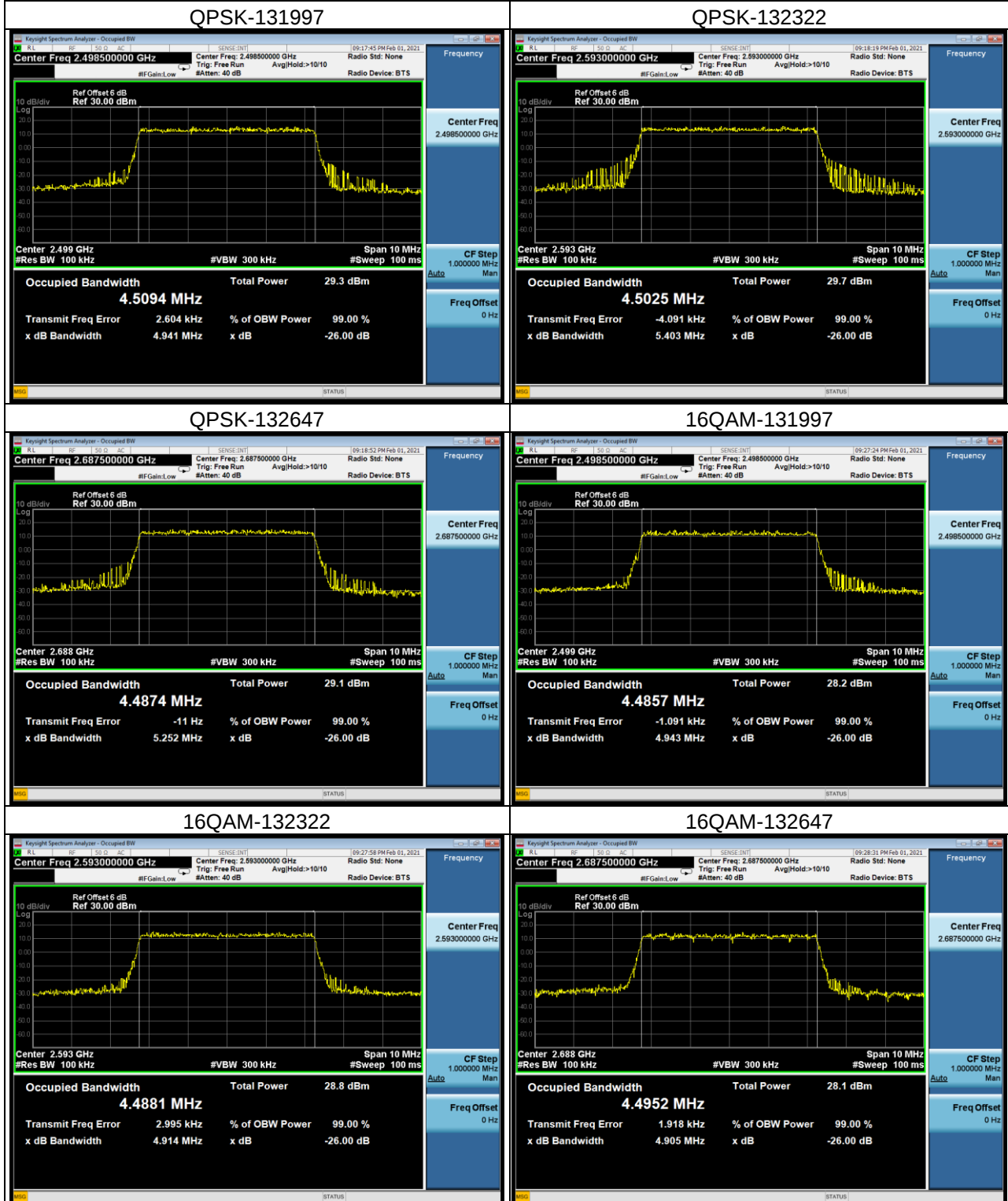


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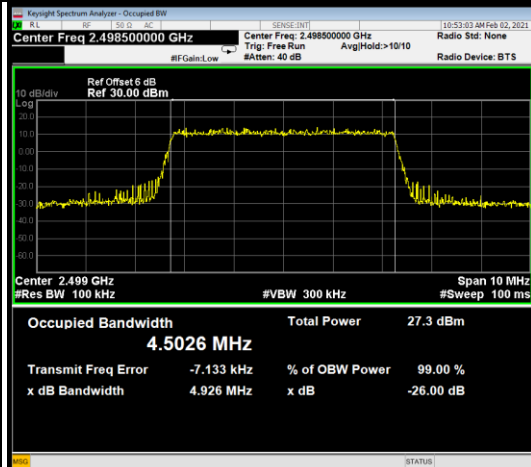
LTE Band 66_5M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
131997	1712.5	4.5094	131997	1712.5	4.941
132322	1745	4.5025	132322	1745	5.403
132647	1777.5	4.4874	132647	1777.5	5.252
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
131997	1712.5	4.4857	131997	1712.5	4.943
132322	1745	4.4881	132322	1745	4.914
132647	1777.5	4.4952	132647	1777.5	4.905
64QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
131997	1712.5	4.5026	131997	1712.5	4.926
132322	1745	4.4920	132322	1745	4.921
132647	1777.5	4.4965	132647	1777.5	4.979

Spectrum Plot

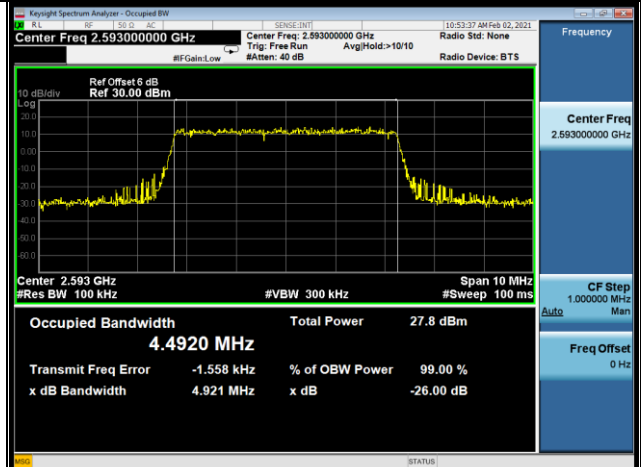


Spectrum Plot

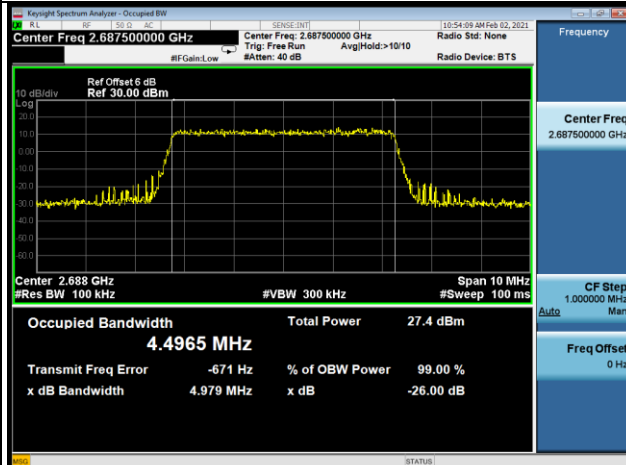
64QAM-131997



64QAM-132322



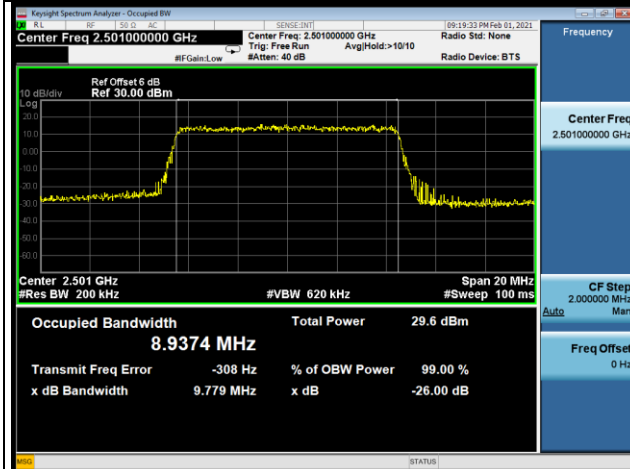
64QAM-132647



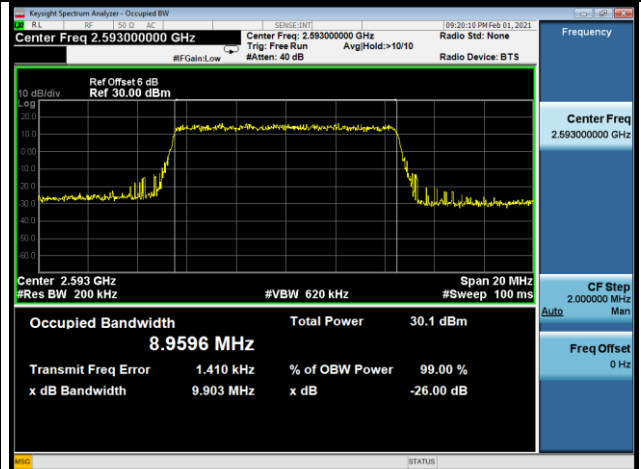
LTE Band 66_10M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
132022	1715	8.9374	132022	1715	9.779
132322	1745	8.9596	132322	1745	9.903
132622	1775	8.9869	132622	1775	10.06
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
132022	1715	8.9400	132022	1715	9.775
132322	1745	8.9540	132322	1745	9.933
132622	1775	8.9872	132622	1775	9.794
64QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
132022	1715	8.9691	132022	1715	9.775
132322	1745	8.9624	132322	1745	9.970
132622	1775	8.9676	132622	1775	10.06

Spectrum Plot

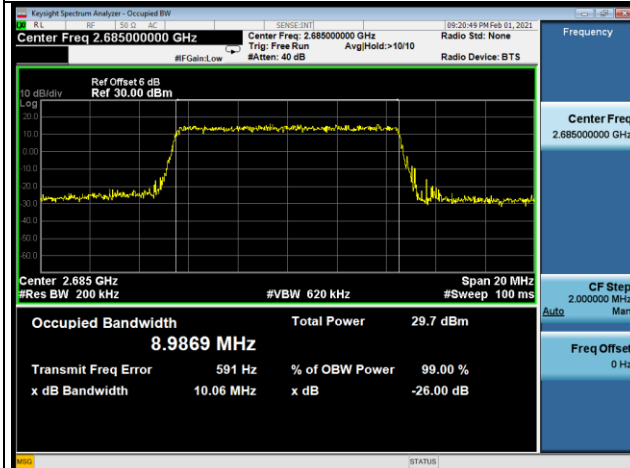
QPSK-132022



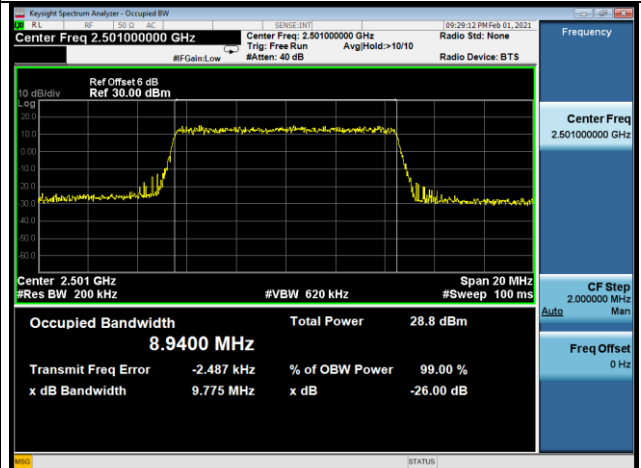
QPSK-132322



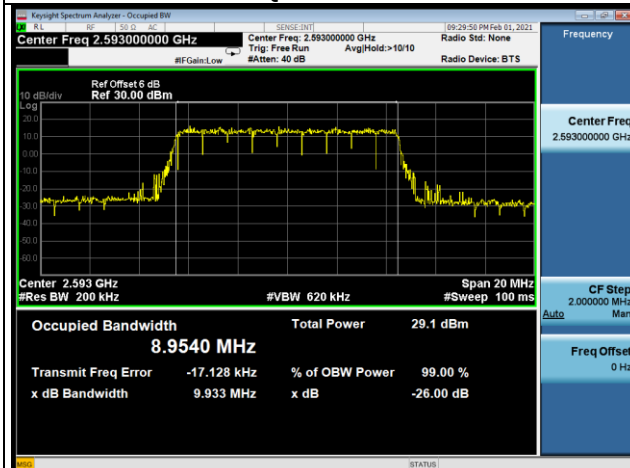
QPSK-132622



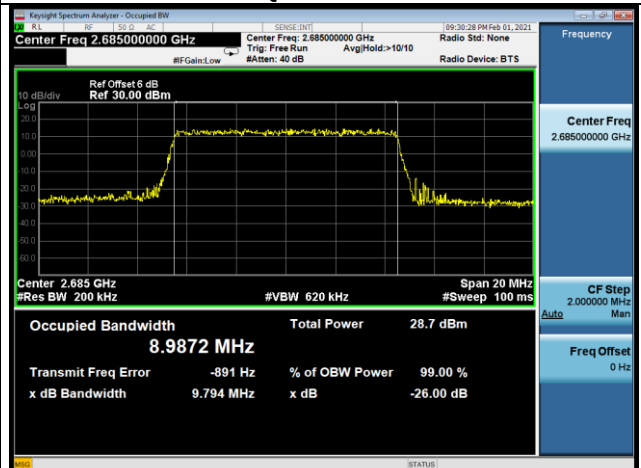
16QAM-132022



16QAM-132322

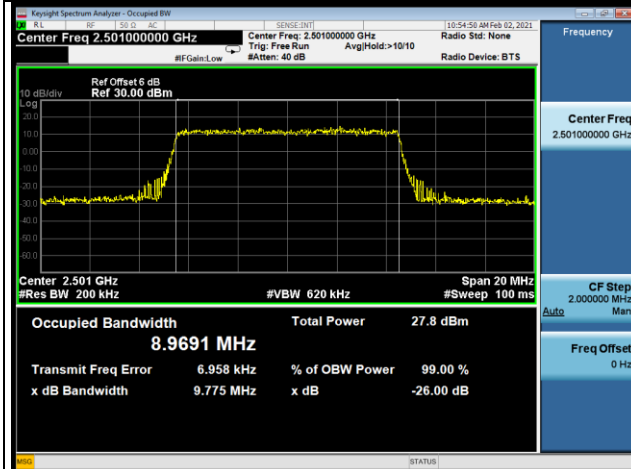


16QAM-132622

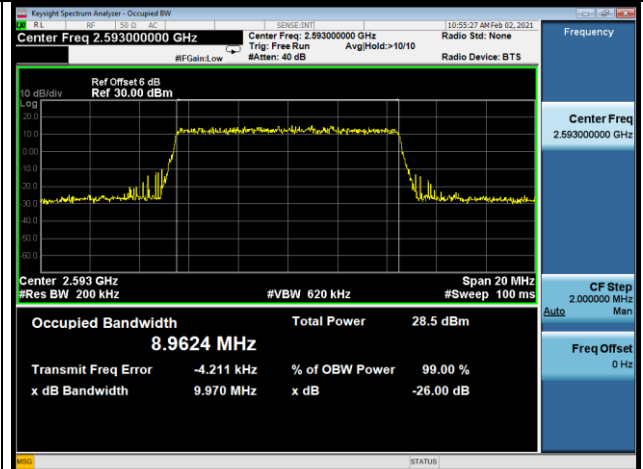


Spectrum Plot

64QAM-132022



64QAM-132322



64QAM-132622



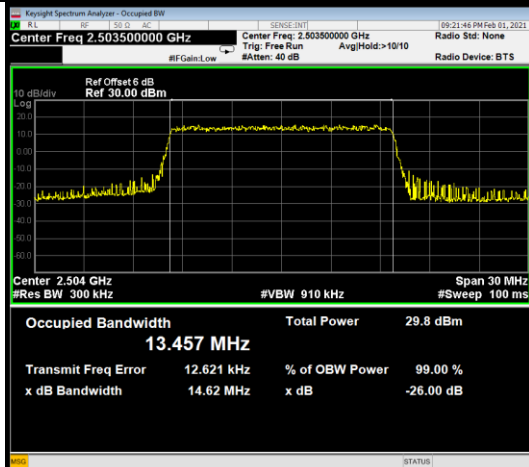
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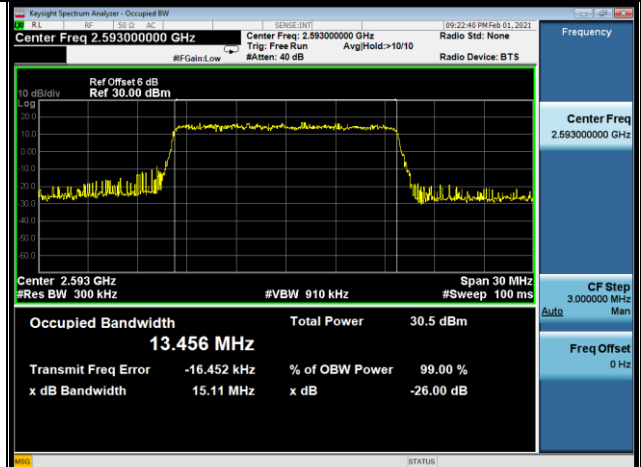
LTE Band 66_15M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
132047	1717.5	13.457	132047	1717.5	14.62
132322	1745	13.456	132322	1745	15.11
132597	1772.5	13.458	132597	1772.5	15.54
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
132047	1717.5	13.467	132047	1717.5	15.23
132322	1745	13.481	132322	1745	15.70
132597	1772.5	13.462	132597	1772.5	14.74
64QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
132047	1717.5	13.456	132047	1717.5	14.76
132322	1745	13.457	132322	1745	15.31
132597	1772.5	13.434	132597	1772.5	15.64

Spectrum Plot

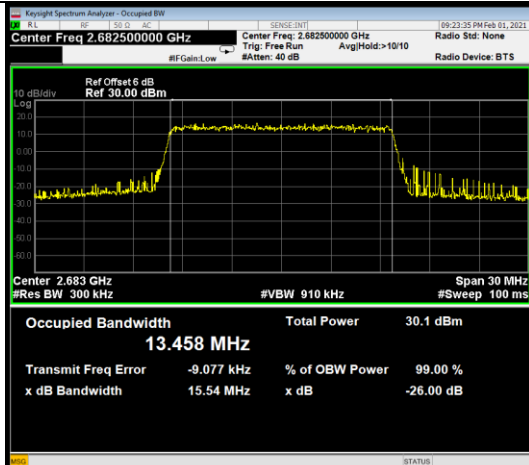
QPSK-132047



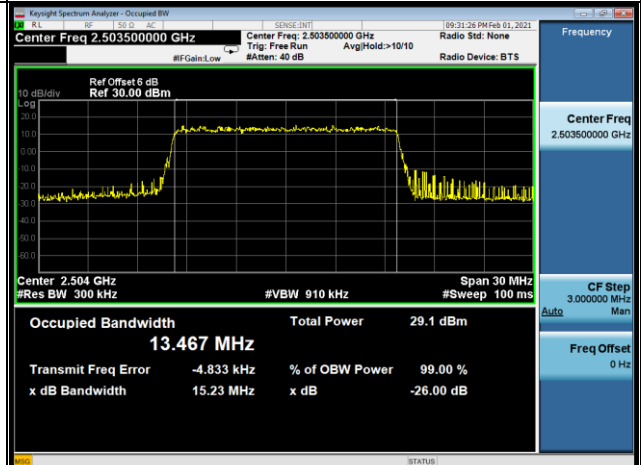
QPSK-132322



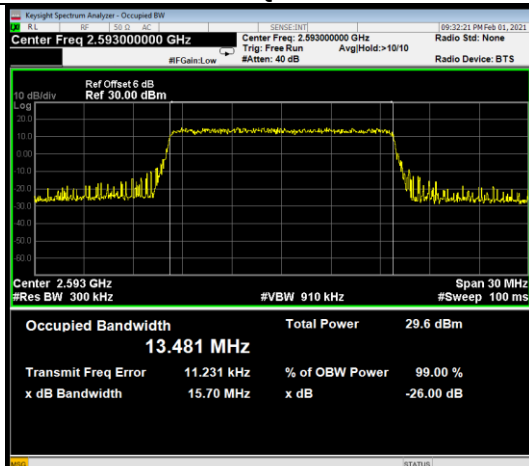
QPSK-132597



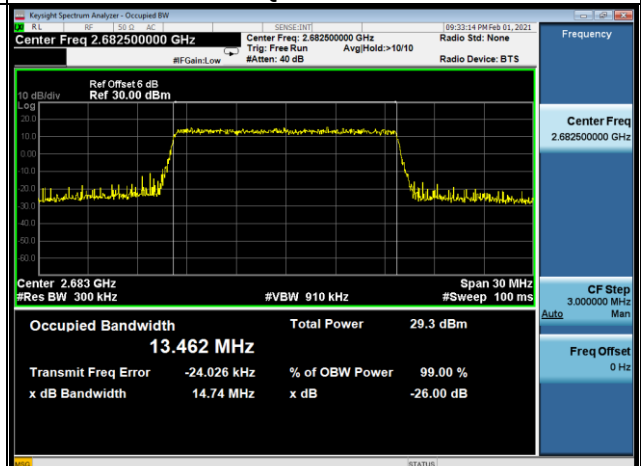
16QAM-132047



16QAM-132322

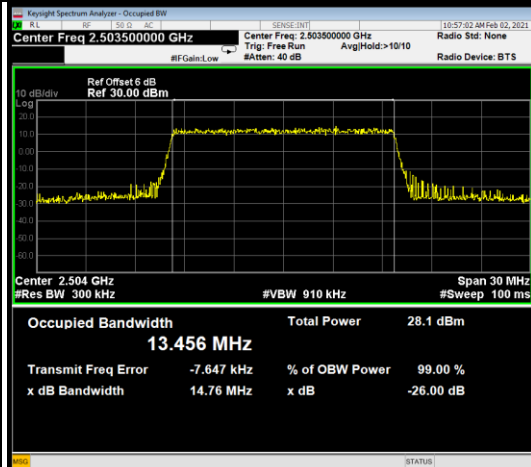


16QAM-132597

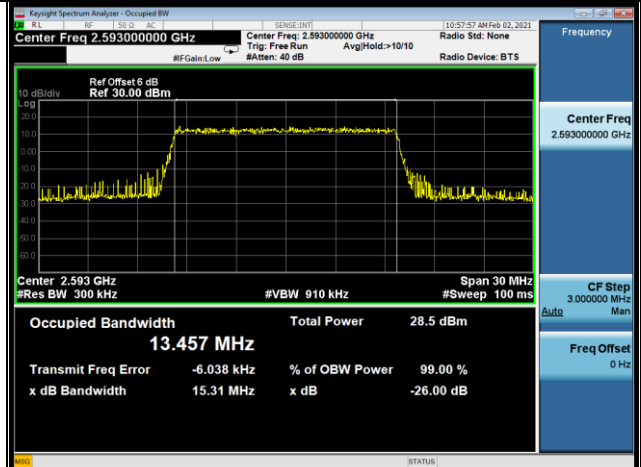


Spectrum Plot

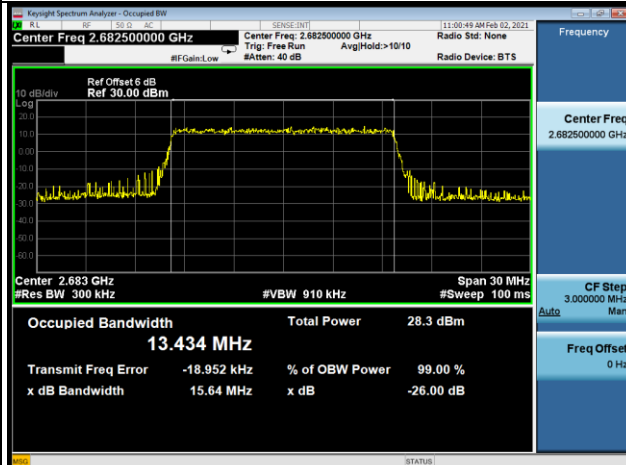
64QAM-132047



64QAM-132322

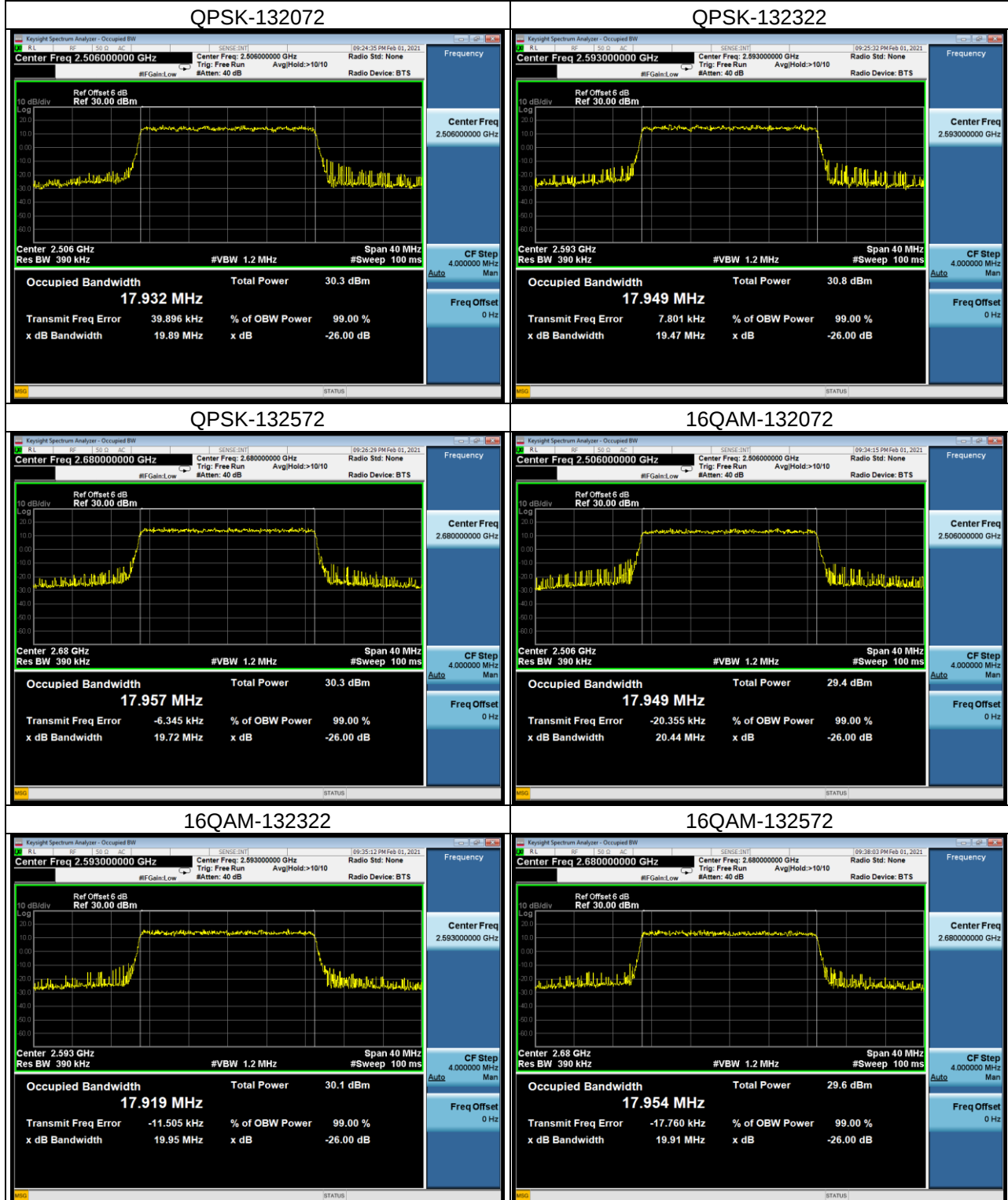


64QAM-132597



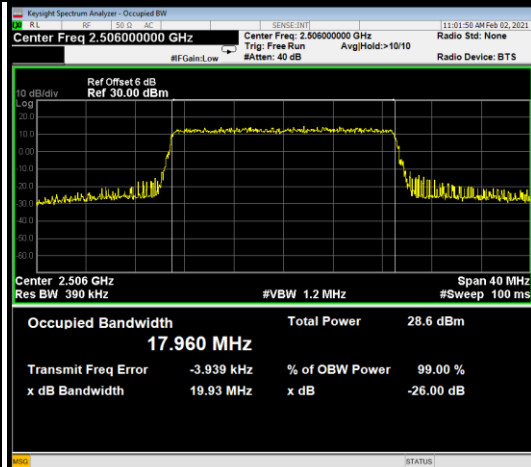
LTE Band 66_20M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
132072	1720	17.932	132072	1720	19.89
132322	1745	17.949	132322	1745	19.47
132572	1770	17.957	132572	1770	19.72
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
132072	1720	17.949	132072	1720	20.44
132322	1745	17.919	132322	1745	19.95
132572	1770	17.954	132572	1770	19.91
64QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
132072	1720	17.960	132072	1720	19.93
132322	1745	17.935	132322	1745	20.37
132572	1770	17.957	132572	1770	19.58

Spectrum Plot

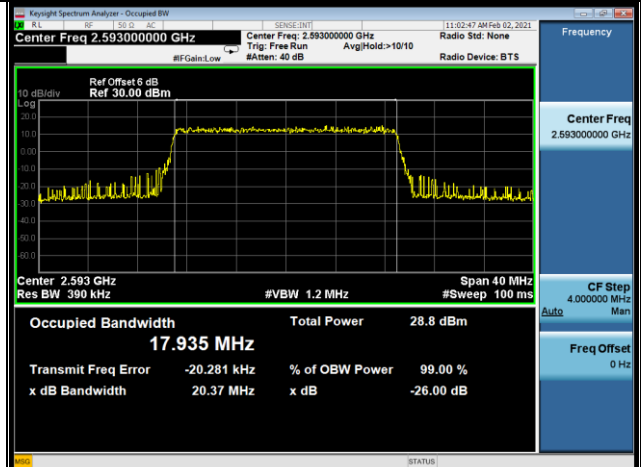


Spectrum Plot

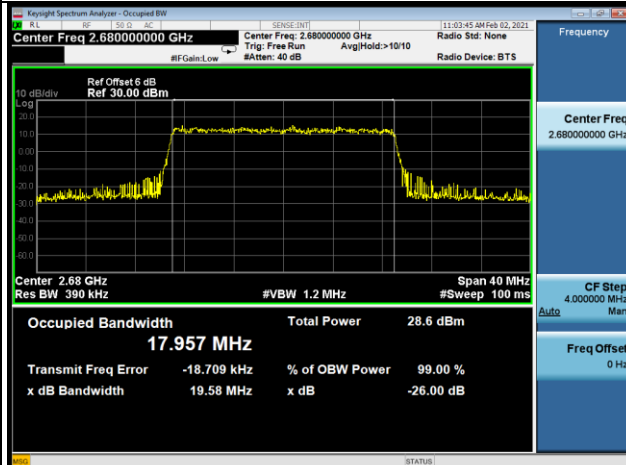
64QAM-132072



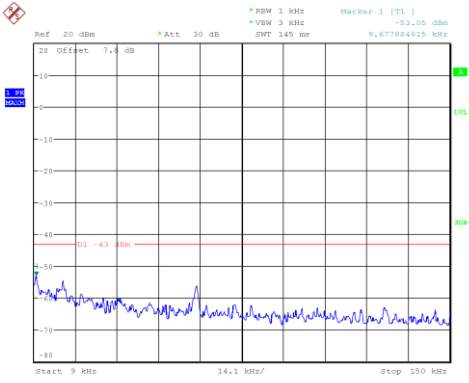
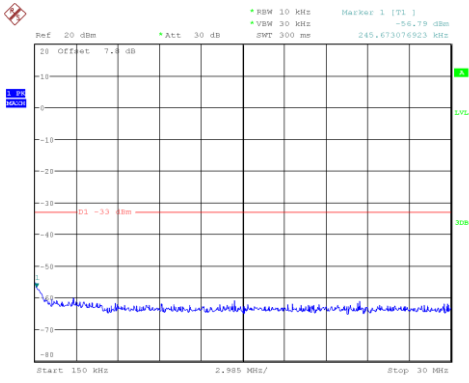
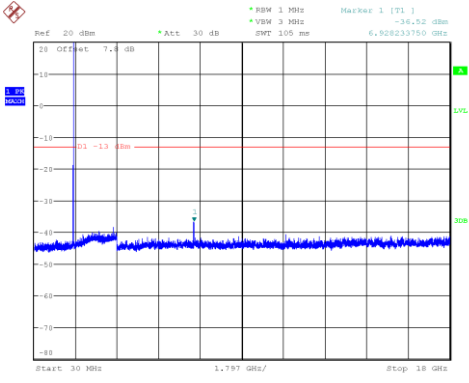
64QAM-132322

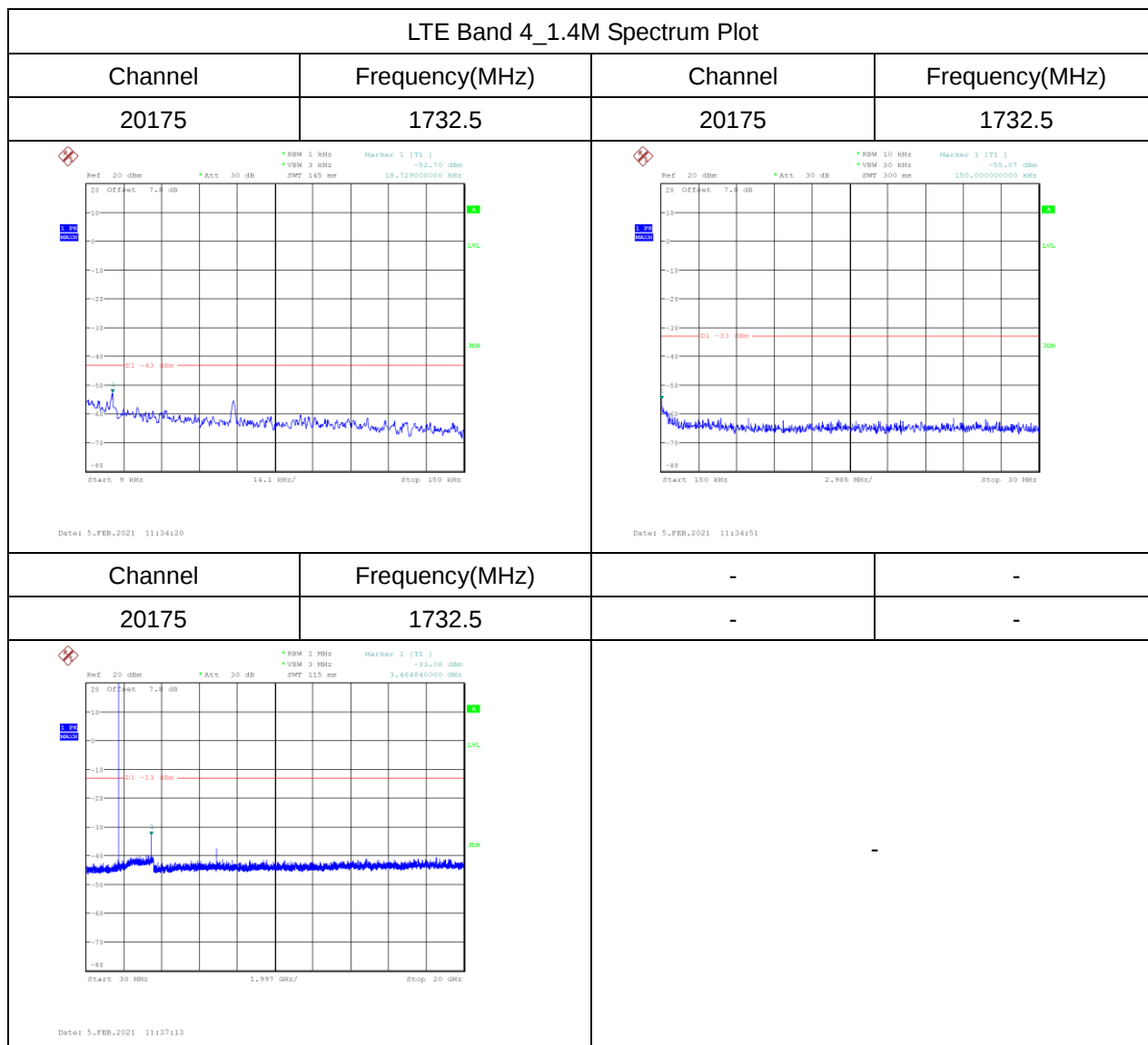


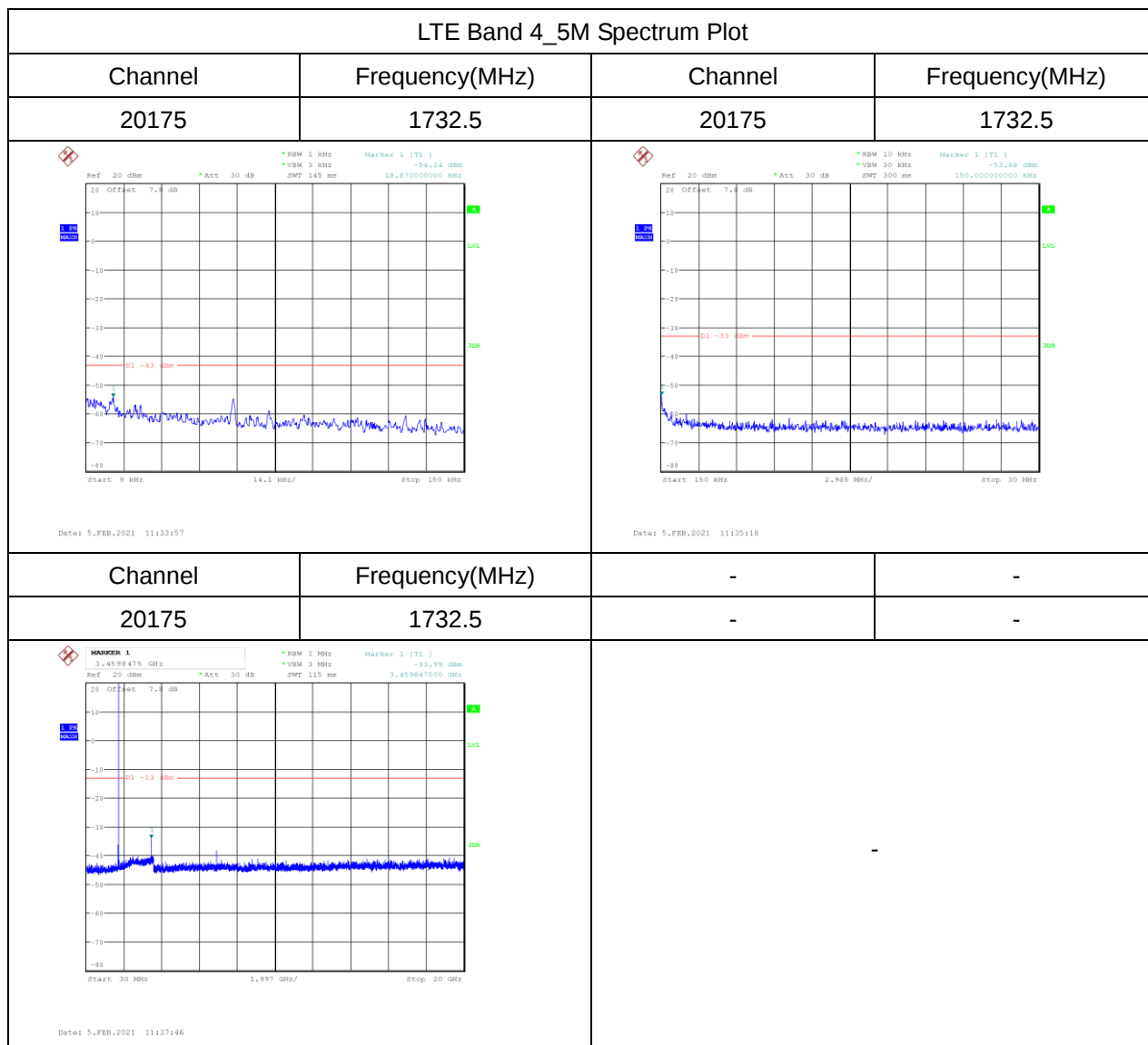
64QAM-132572

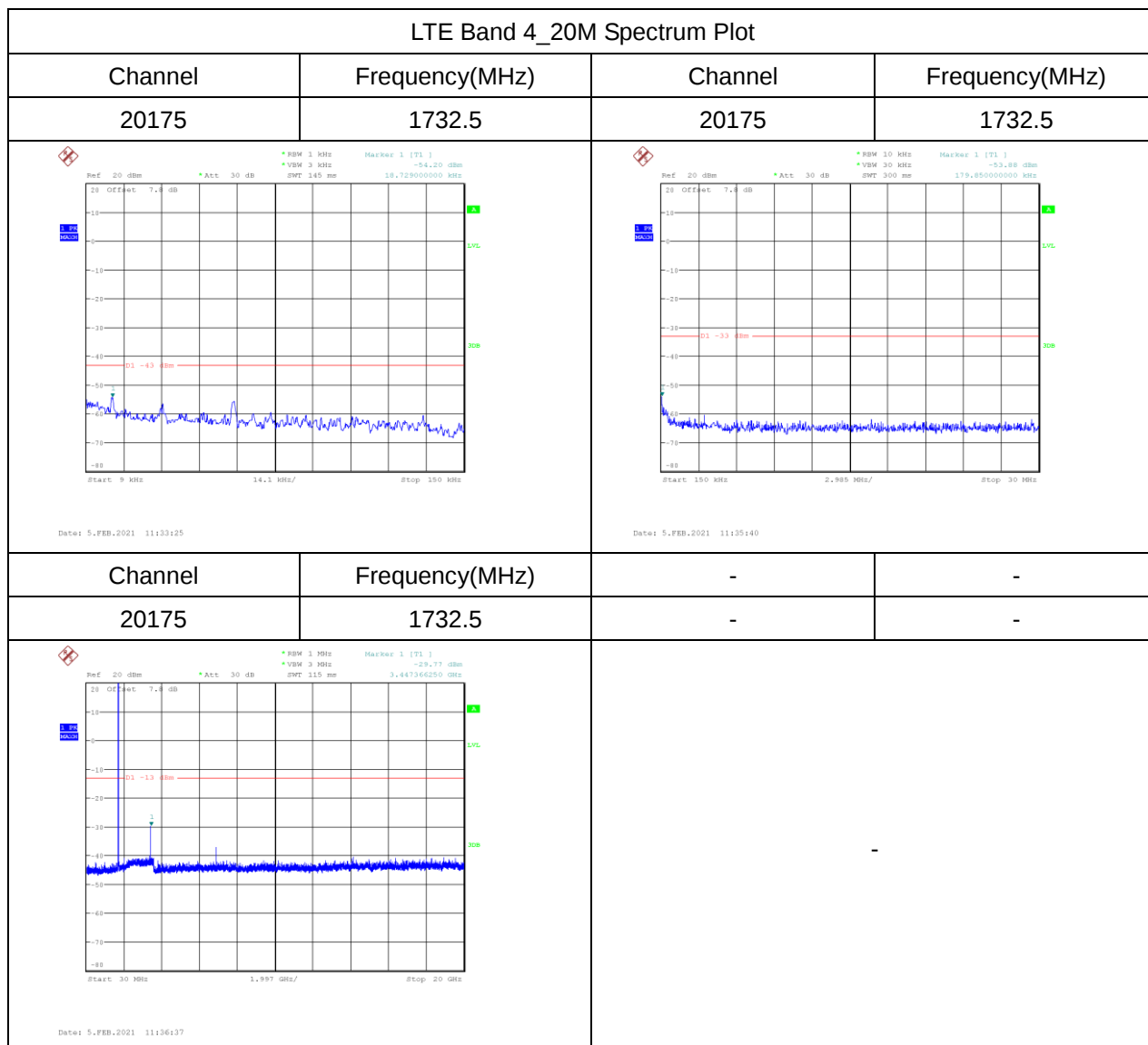


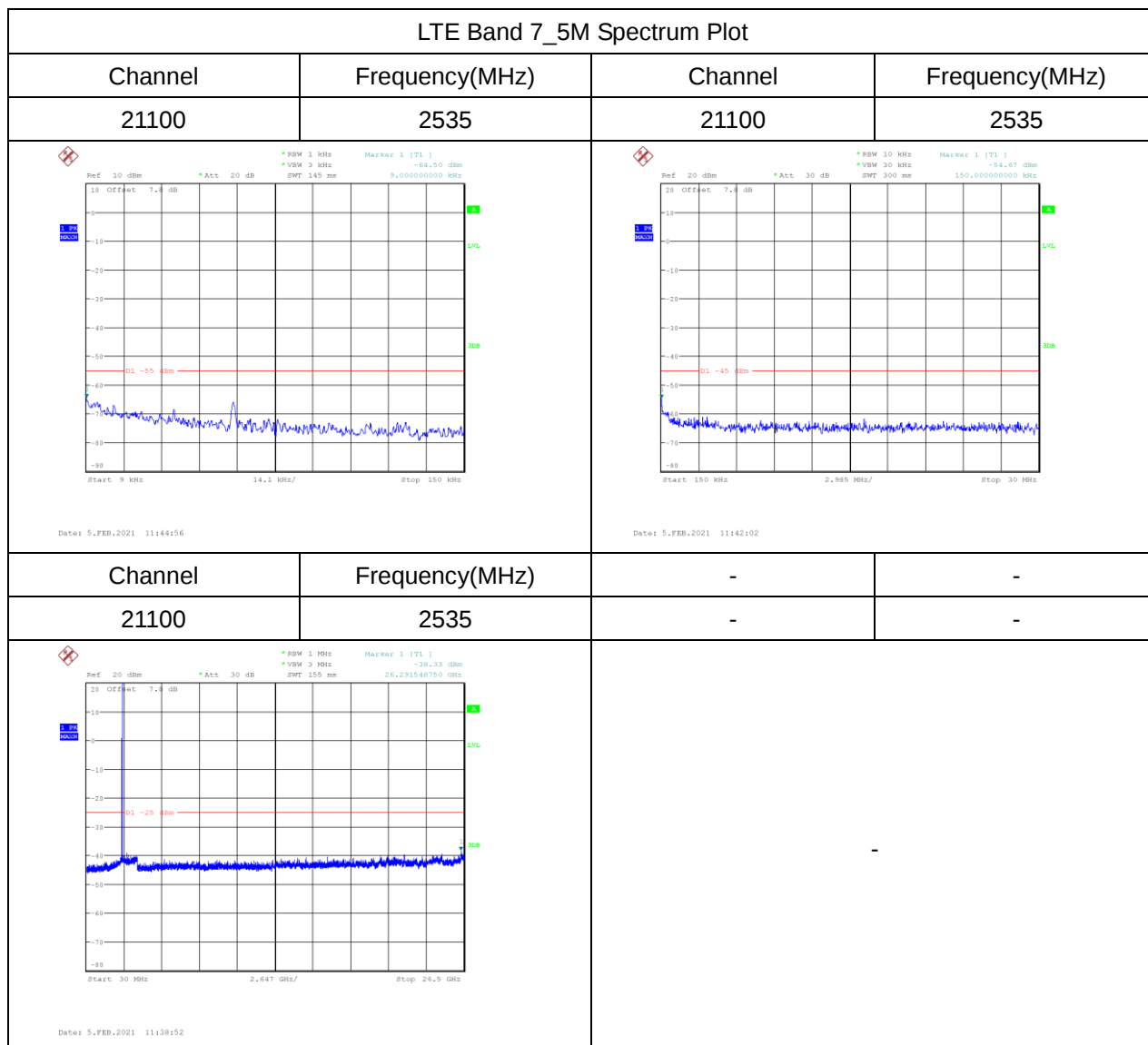
APPENDIX C - CONDUCTED SPURIOUS EMISSIONS

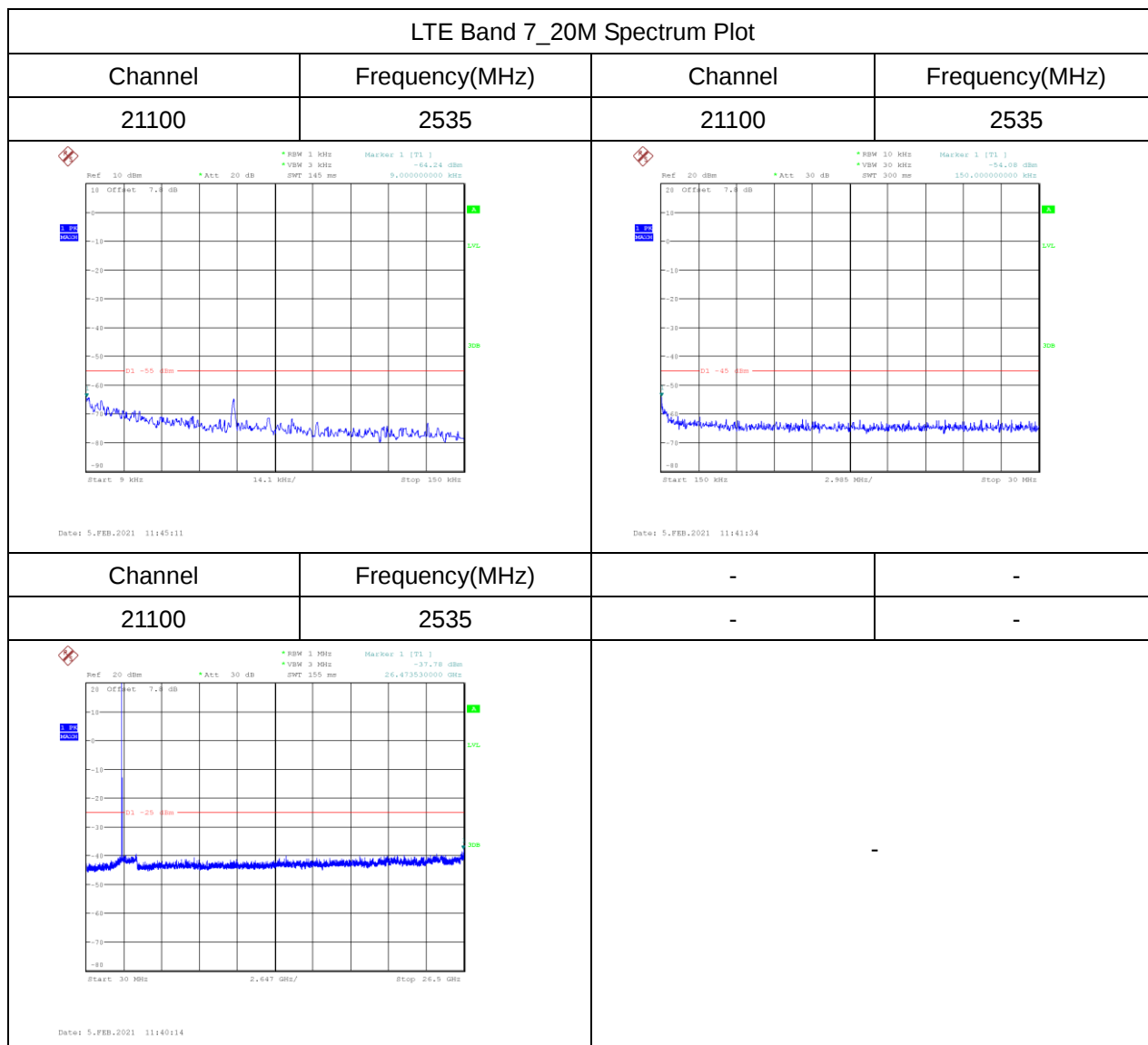
WCDMA Band IV_WCDMA			
Channel	Frequency(MHz)	Channel	Frequency(MHz)
1413	1732.6	1413	1732.6
 Ref 20 dBm * Att 30 dB * RBW 1 kHz Marker 1 [T1] -53.05 dBm * VSW 3 kHz SMT 145 ms 9.67788415 kHz 20 Offset 7.4 dB Start: 9 kHz 14.1 kHz/ Stop: 150 kHz Date: 5.FEB.2021 10:16:50		 Ref 20 dBm * Att 30 dB * RBW 10 kHz Marker 1 [T1] -56.79 dBm * VSW 30 kHz SMT 300 ms 245.673074923 kHz 20 Offset 7.4 dB Start: 150 kHz 2.985 MHz/ Stop: 30 MHz Date: 5.FEB.2021 10:19:37	
Channel	Frequency(MHz)	-	-
1413	1732.6	-	-
 Ref 20 dBm * Att 30 dB * RBW 1 MHz Marker 1 [T1] -34.52 dBm * VSW 3 MHz SMT 100 ms 6.909233750 MHz 20 Offset 7.4 dB Start: 30 MHz 1.797 MHz/ Stop: 18 MHz Date: 5.FEB.2021 10:23:57		-	

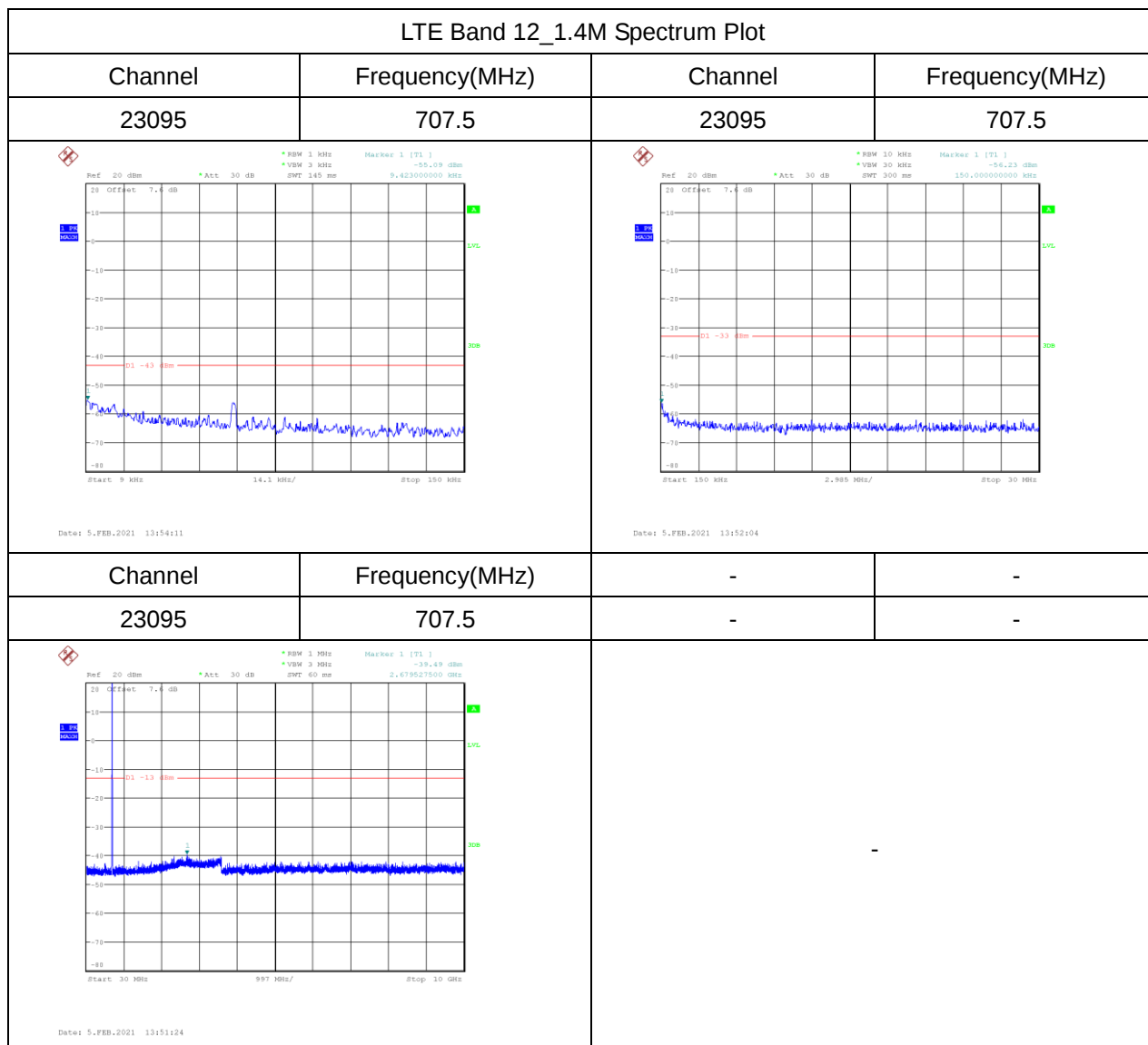


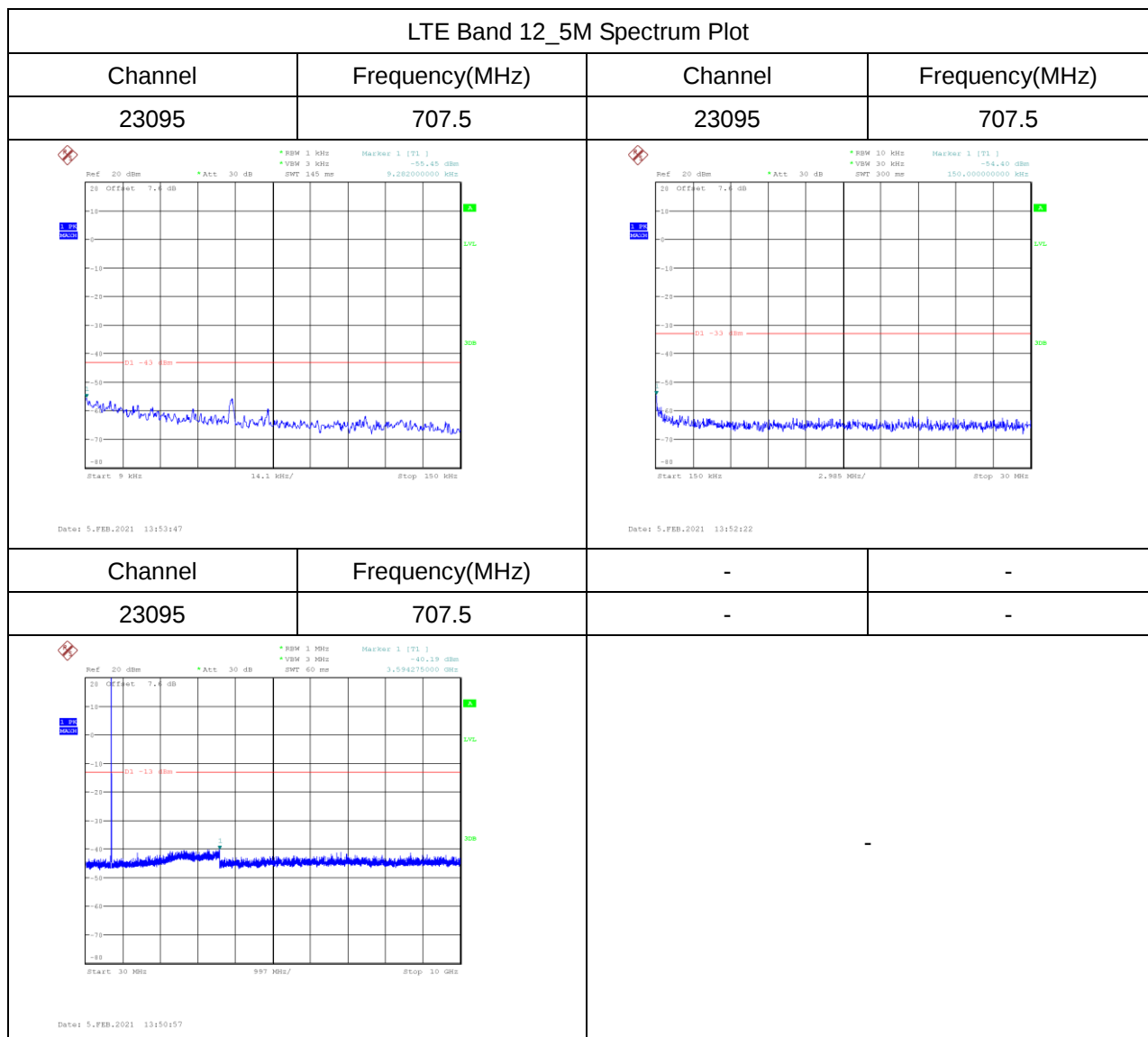


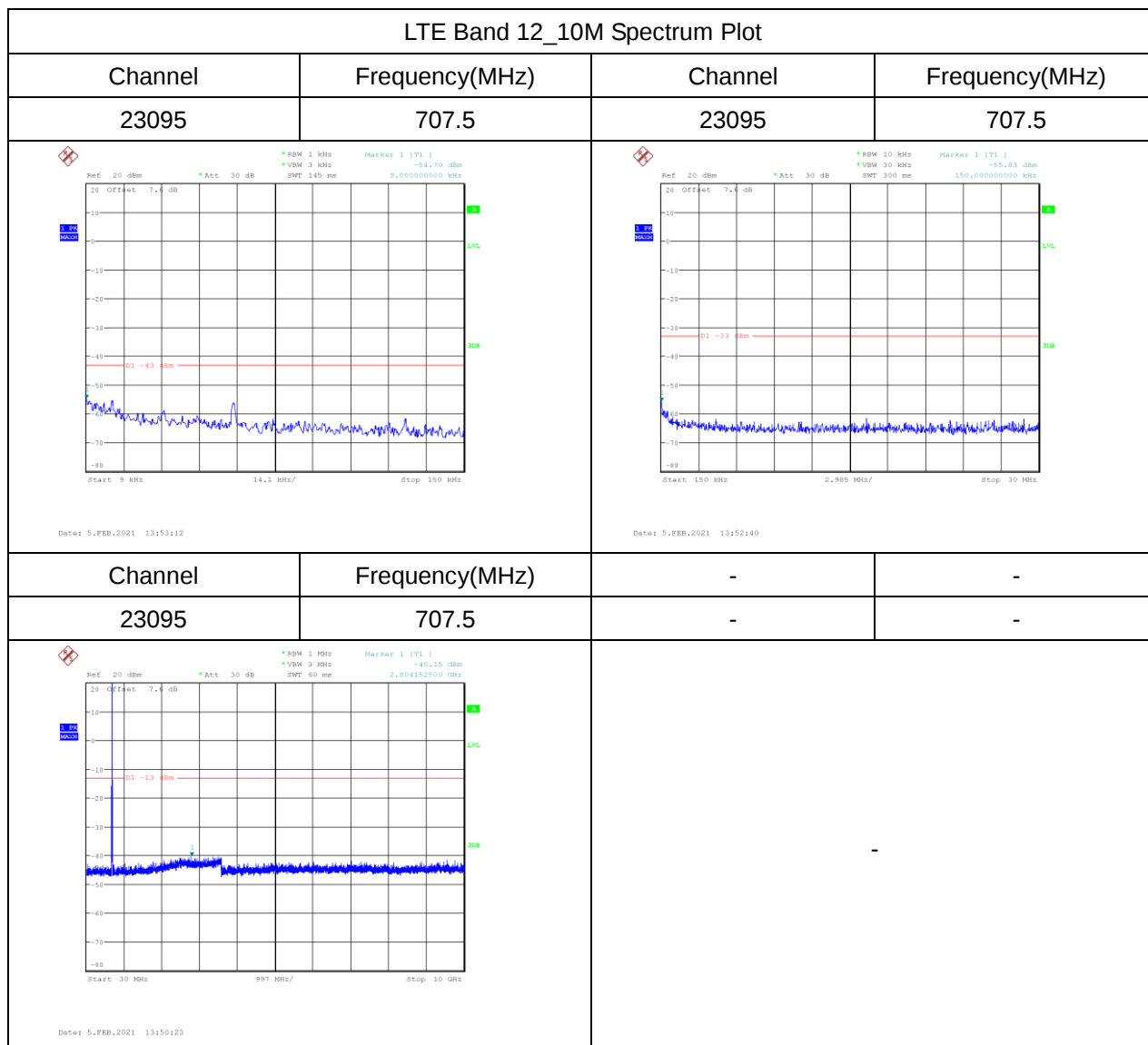


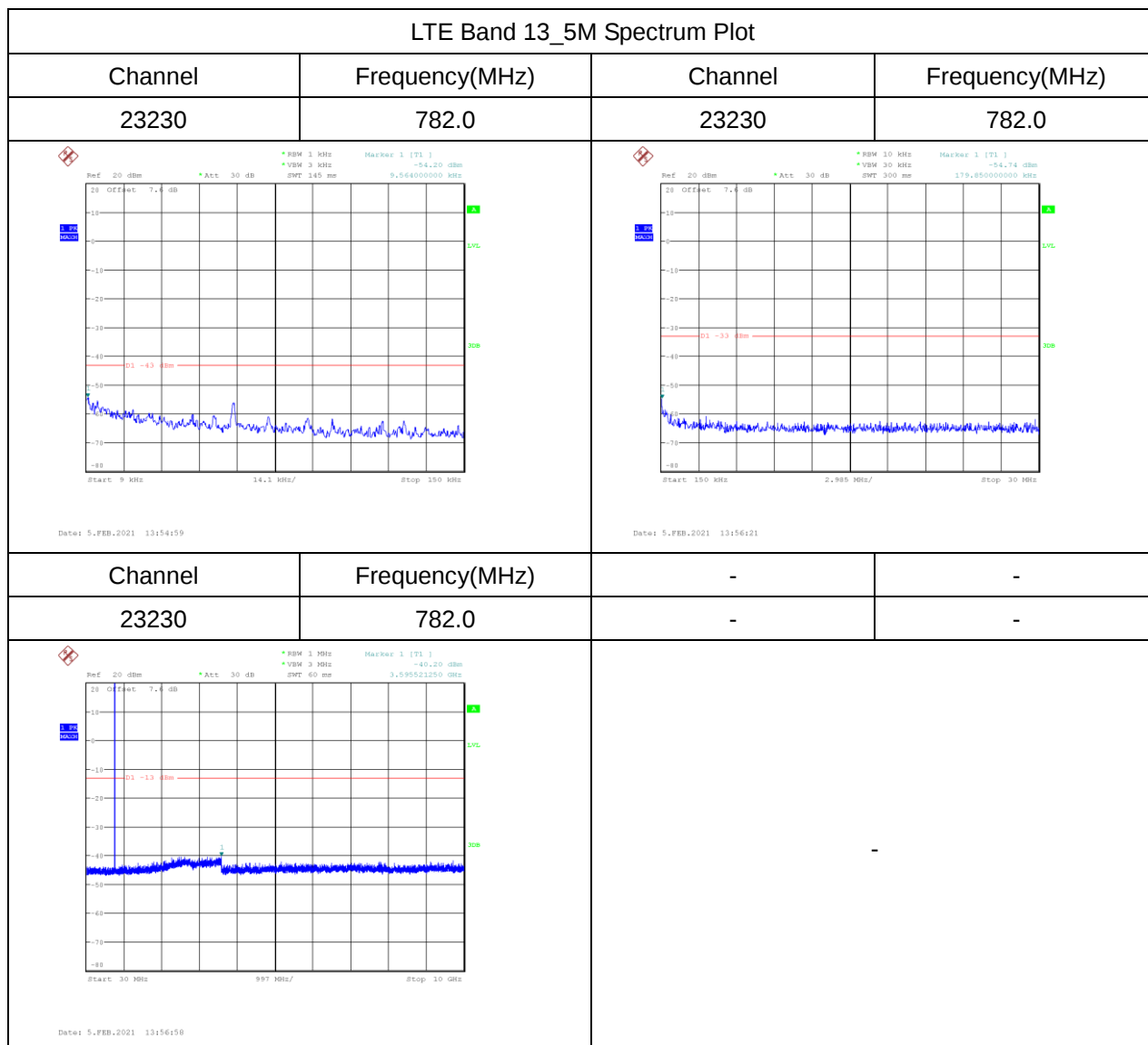


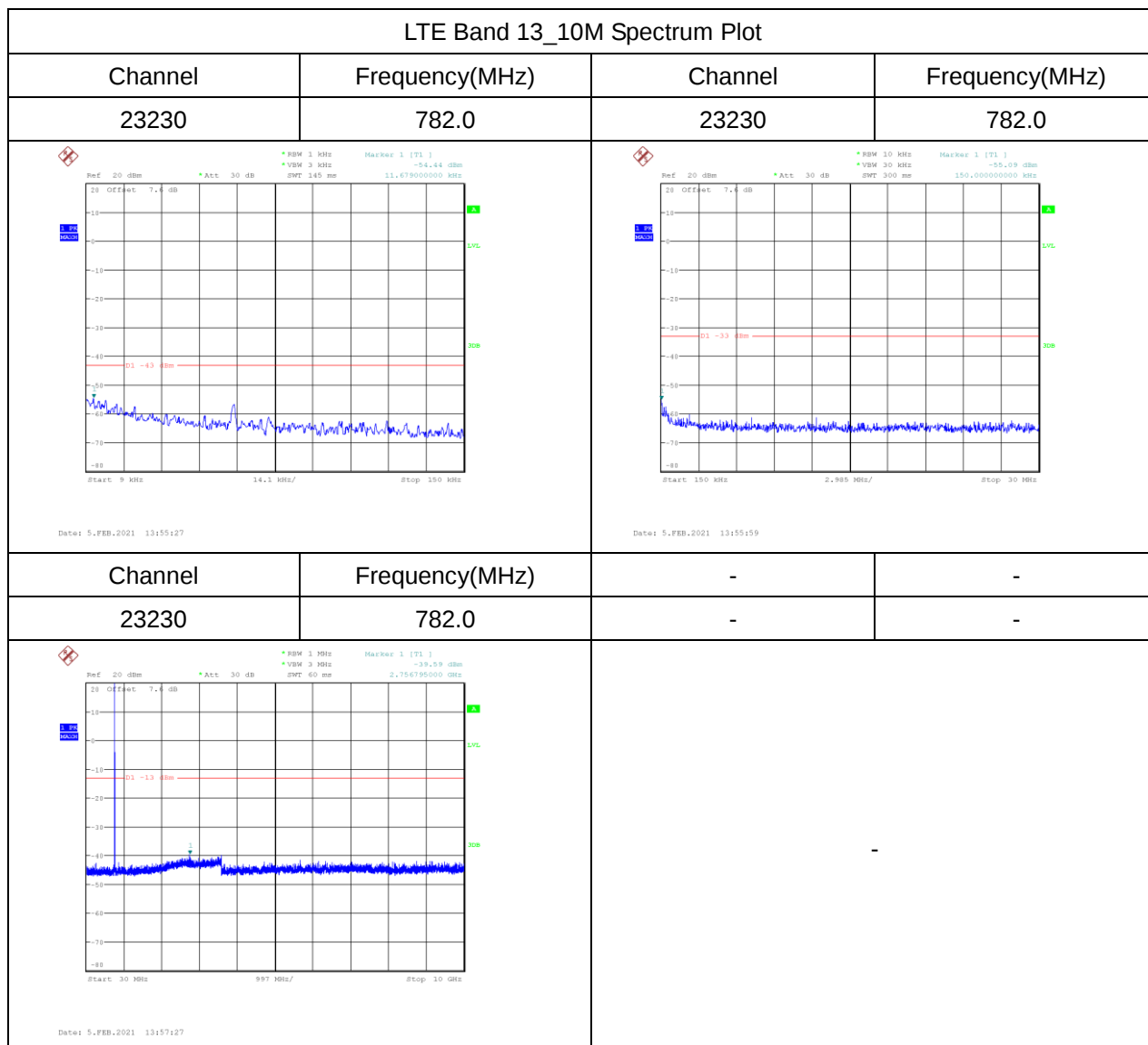


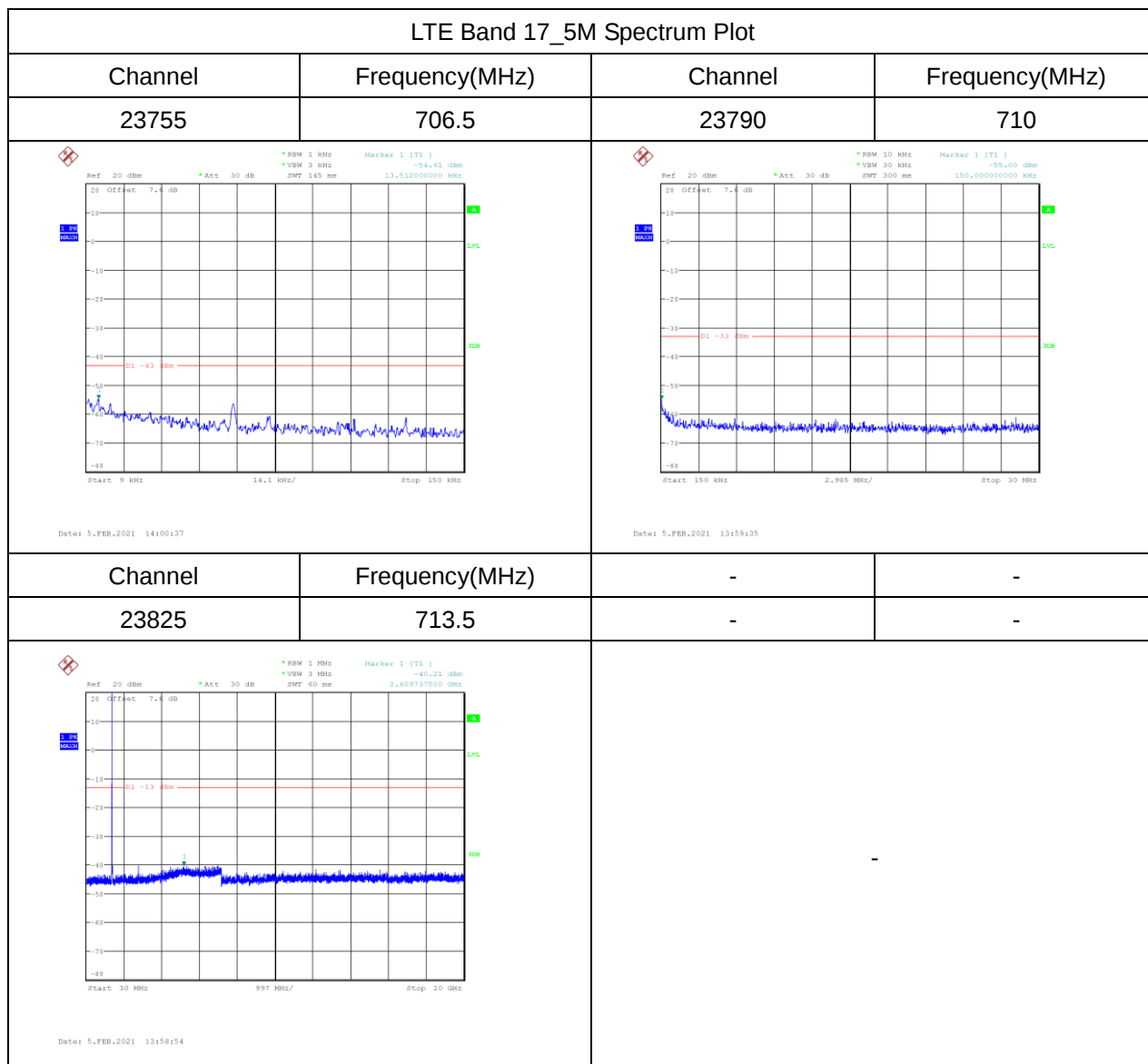


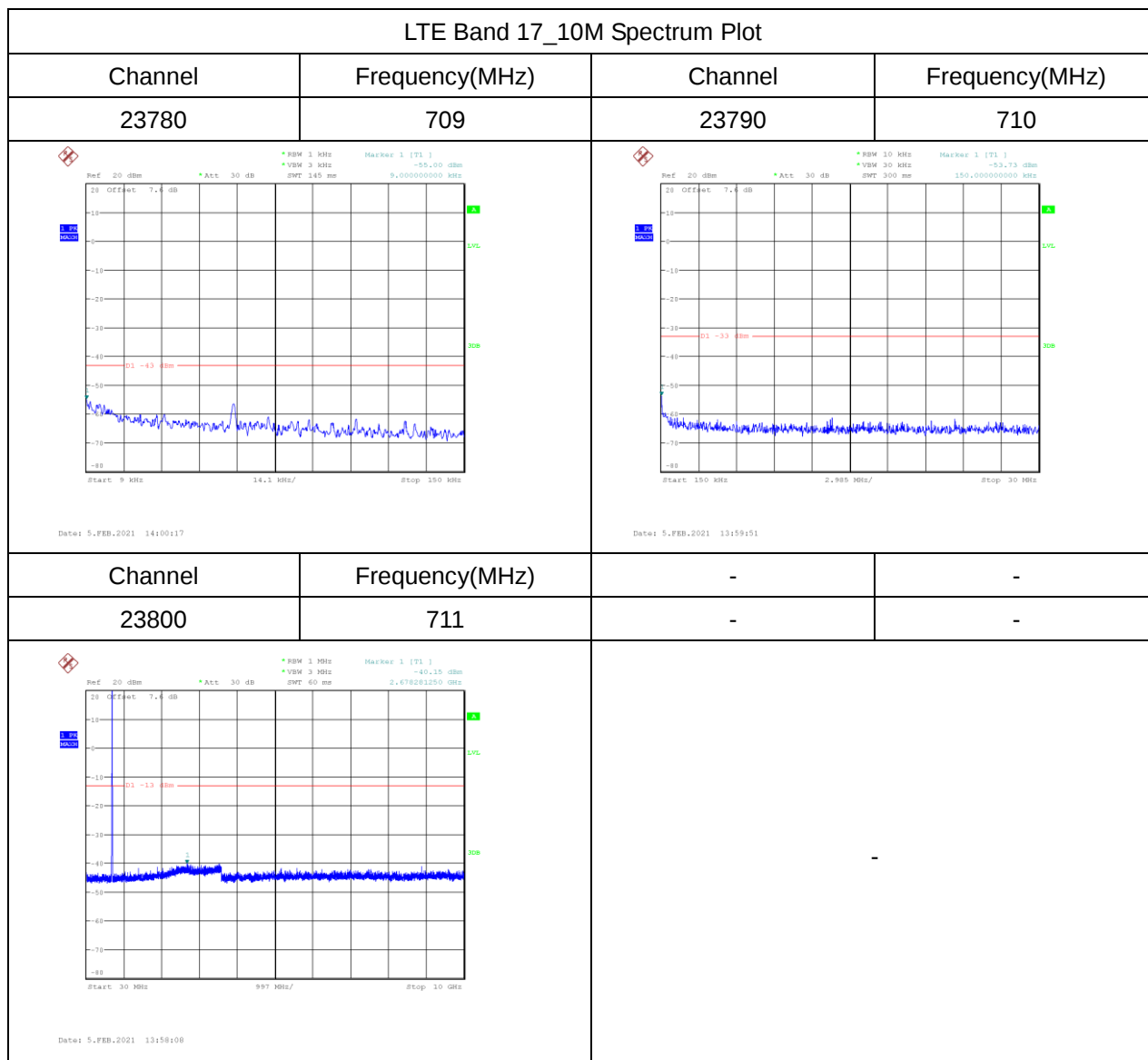


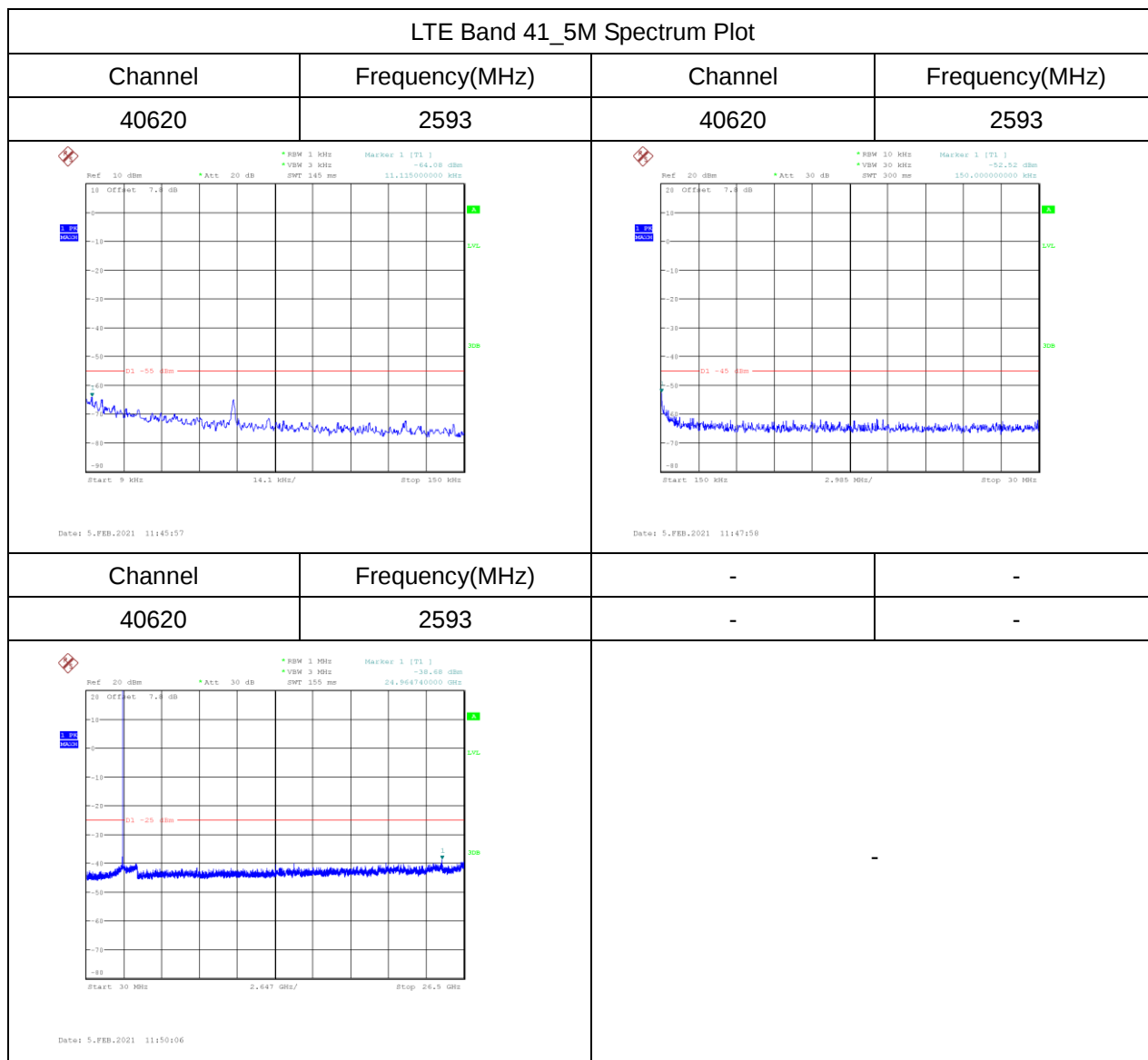


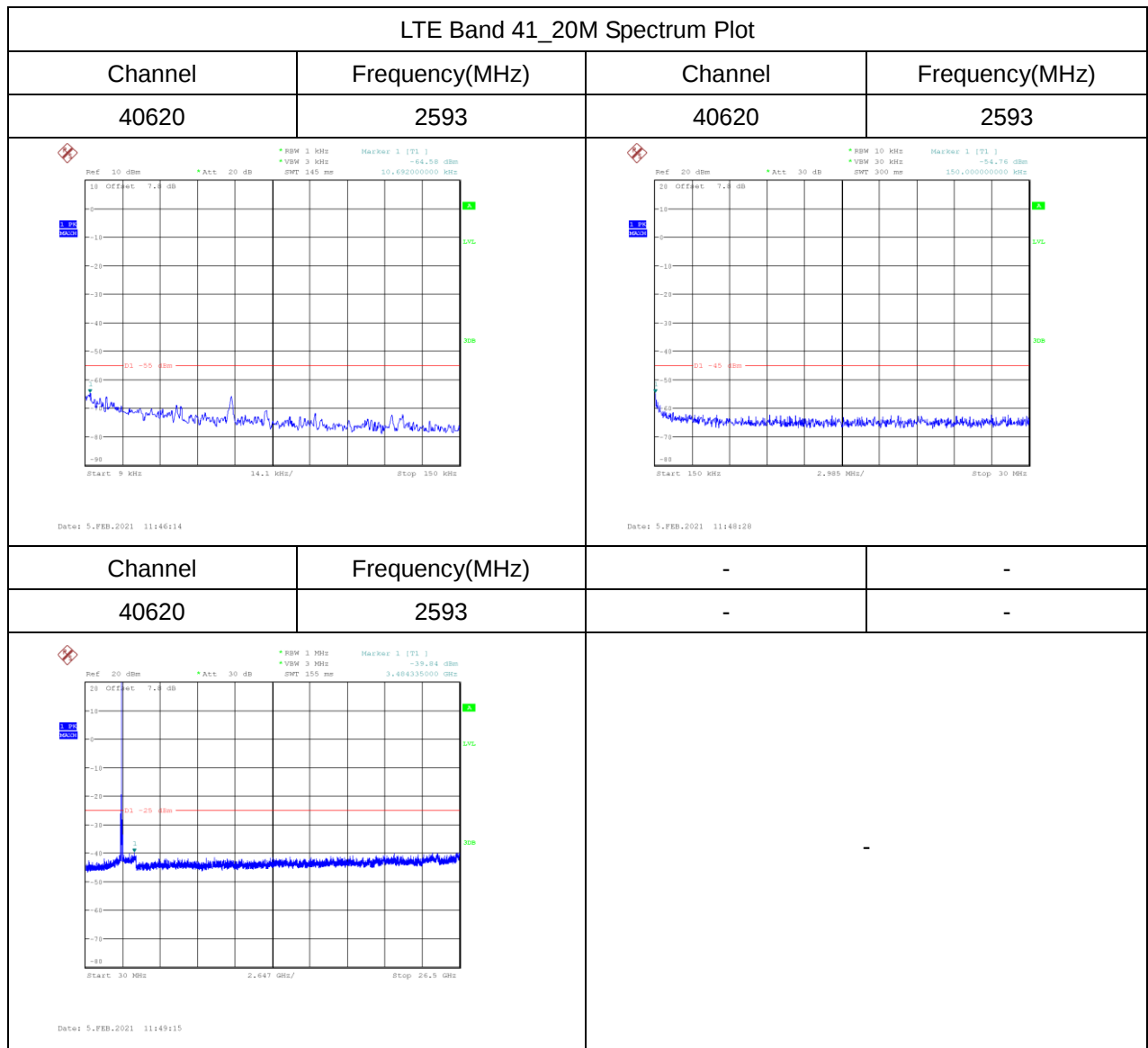


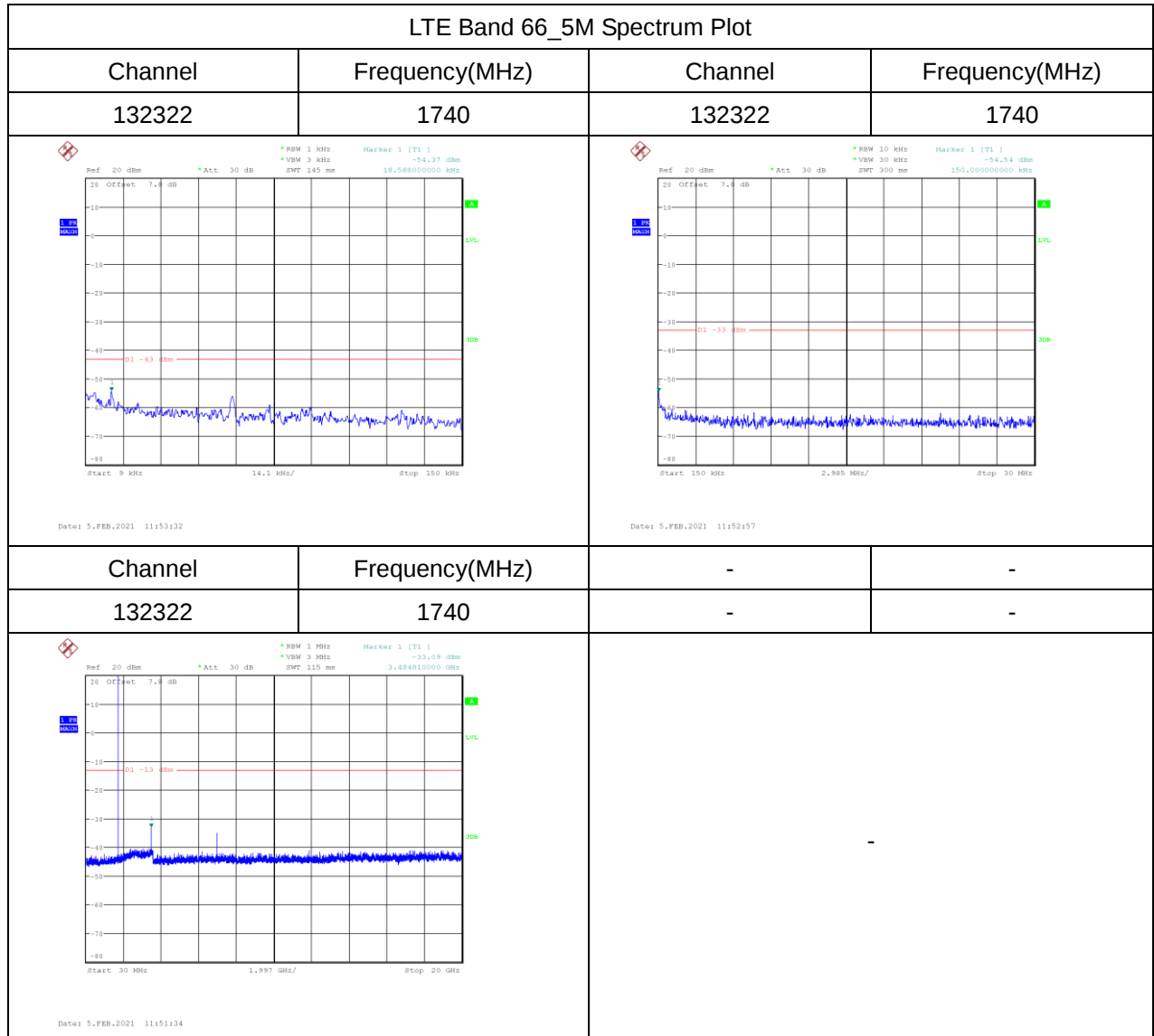


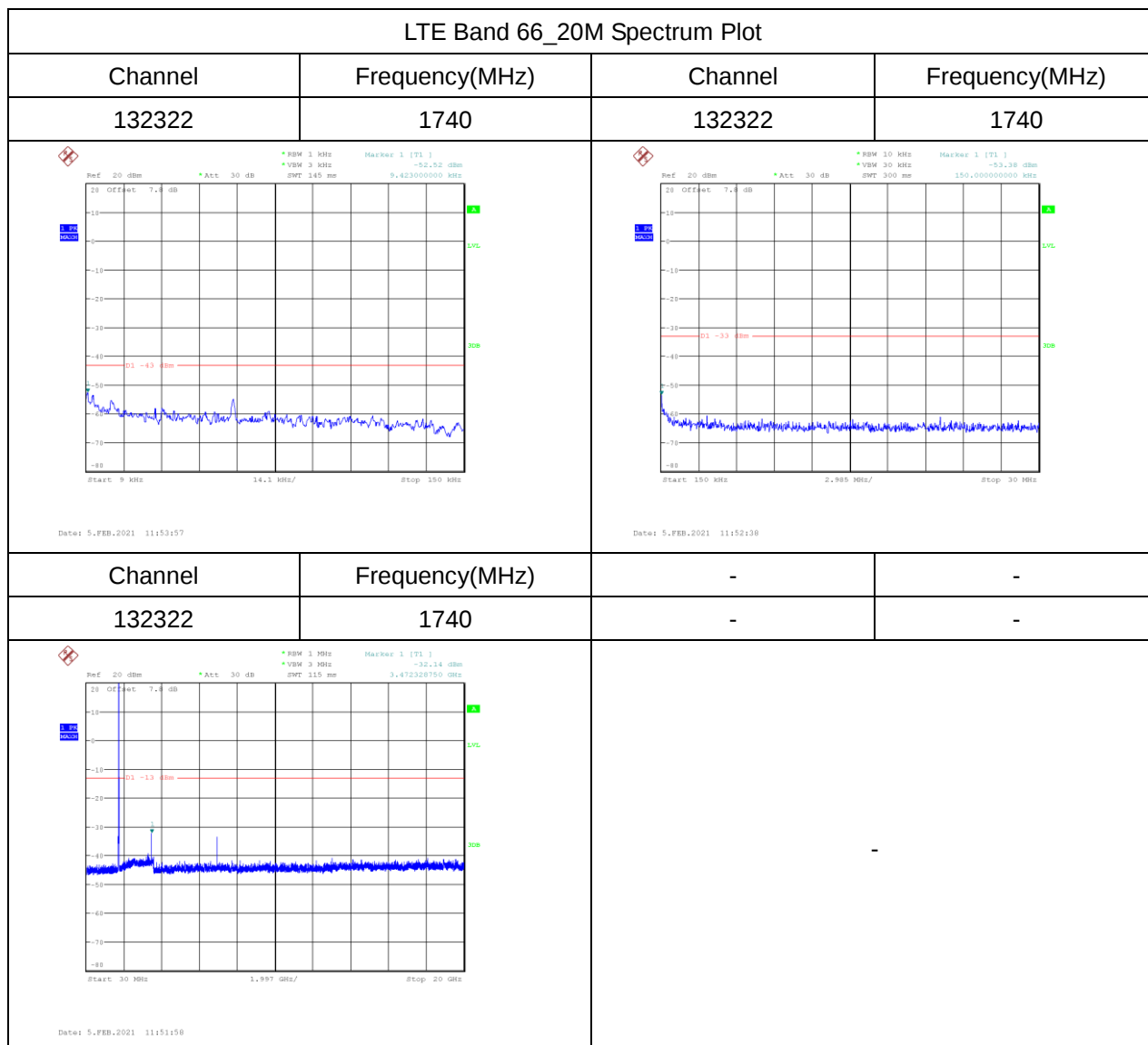












APPENDIX D - RADIATED SPURIOUS EMISSIONS (9KHZ TO 30MHZ)

Test Mode	TX Mode
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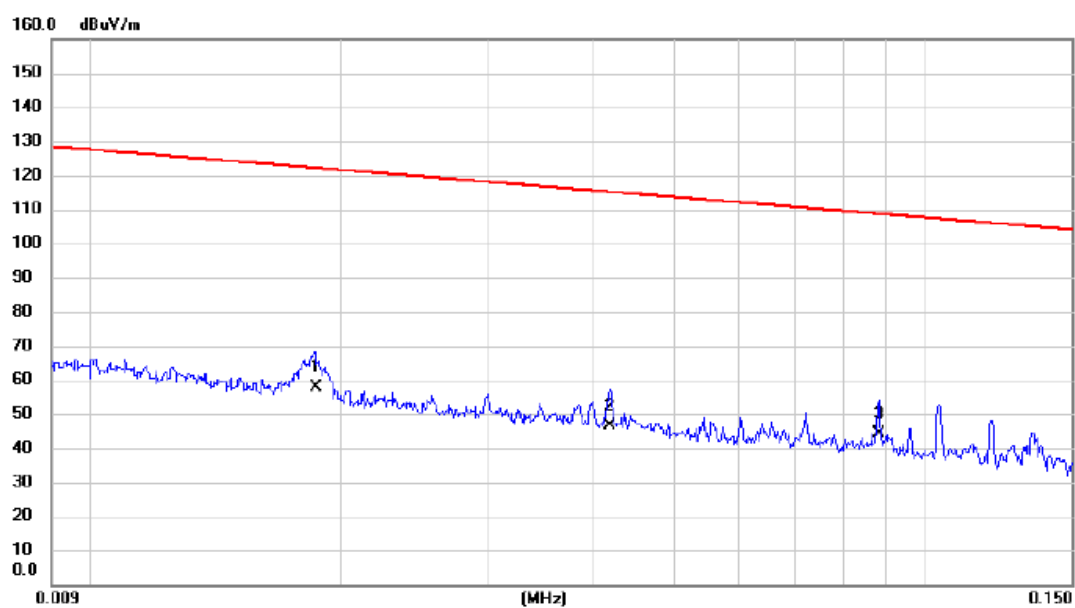
Ant 0°



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin		
		MHz	dBuV	Factor	ment			Detector	Comment
1		0.415	41.20	12.23	53.43	95.25	-41.82	AVG	
2		0.763	33.69	11.89	45.58	69.95	-24.37	QP	
3	*	2.178	37.58	11.21	48.79	69.54	-20.75	QP	

Test Mode	TX Mode
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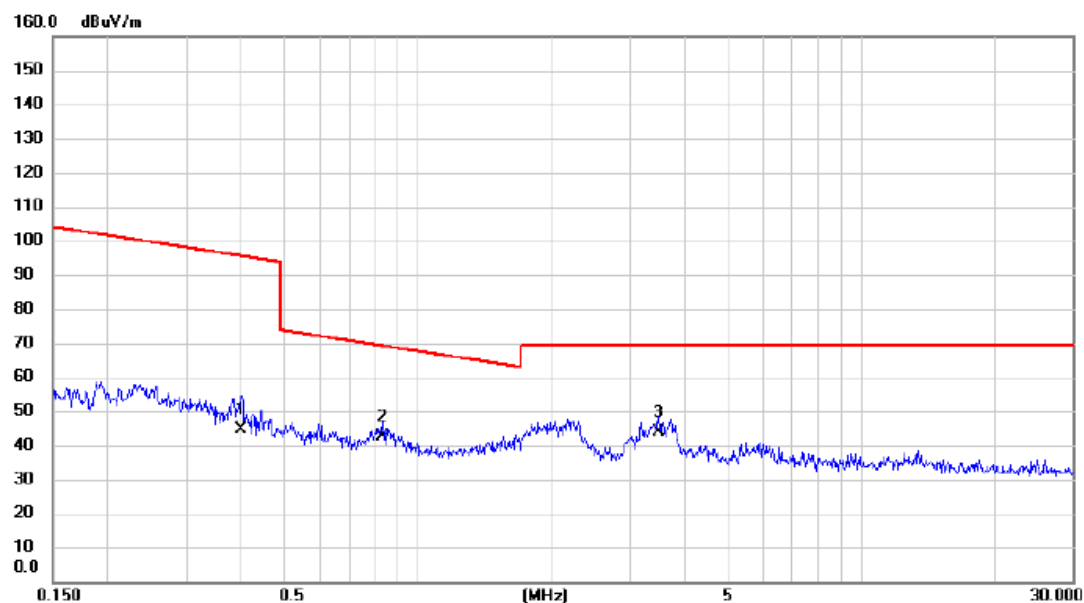
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.019	44.15	13.62	57.77	122.17	-64.40	AVG	
2		0.042	34.17	12.63	46.80	115.14	-68.34	AVG	
3		0.088	31.58	12.65	44.23	108.71	-64.48	AVG	

Test Mode	TX Mode
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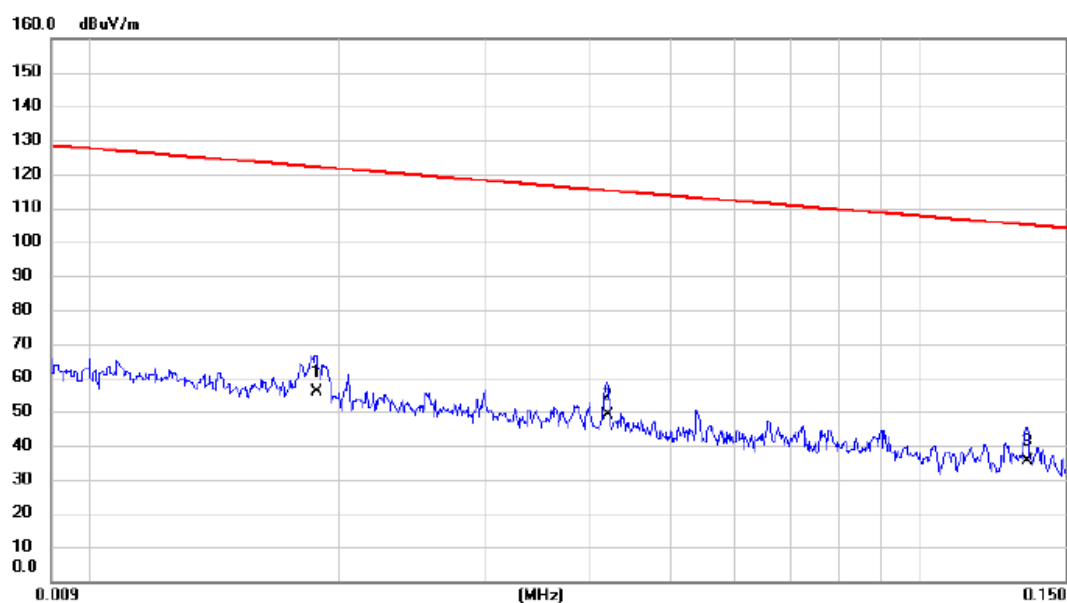
Ant 90°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.400	32.37	12.26	44.63	95.57	-50.94	AVG	
2		0.831	30.87	11.87	42.74	69.22	-26.48	QP	
3	*	3.491	32.94	10.88	43.82	69.54	-25.72	QP	

Test Mode	TX Mode
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Ant 90°

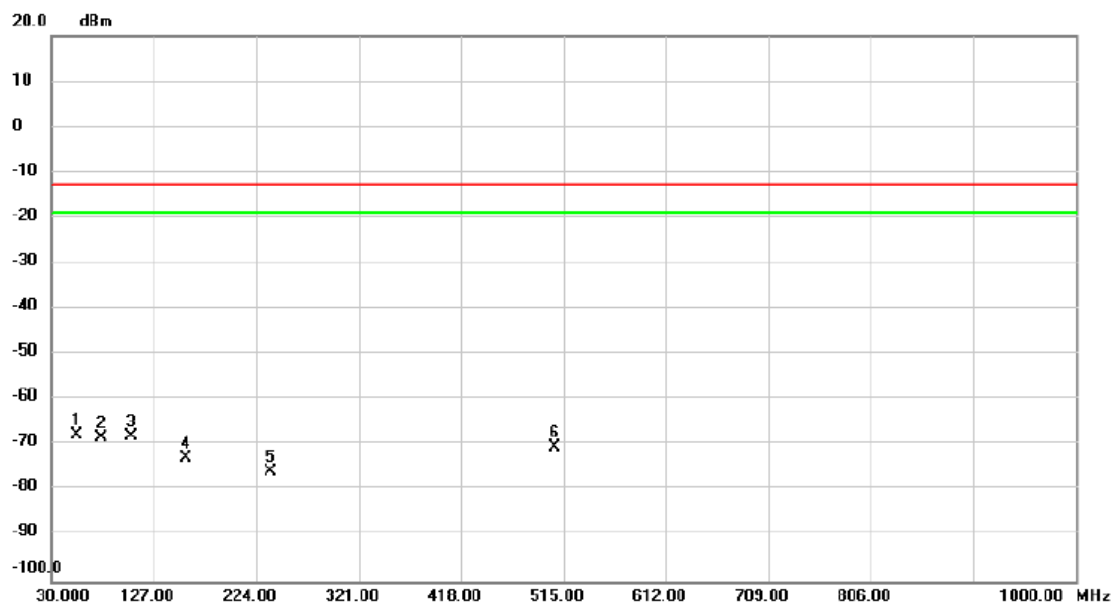


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	0.019	42.36	13.59	55.95	122.12	-66.17	AVG	
2		0.042	36.18	12.63	48.81	115.12	-66.31	AVG	
3		0.135	22.58	12.73	35.31	105.01	-69.70	AVG	

APPENDIX E - RADIATED SPURIOUS EMISSIONS (30MHZ TO 1GHZ)

Test Mode WCDMA Band IV_TX CH1413

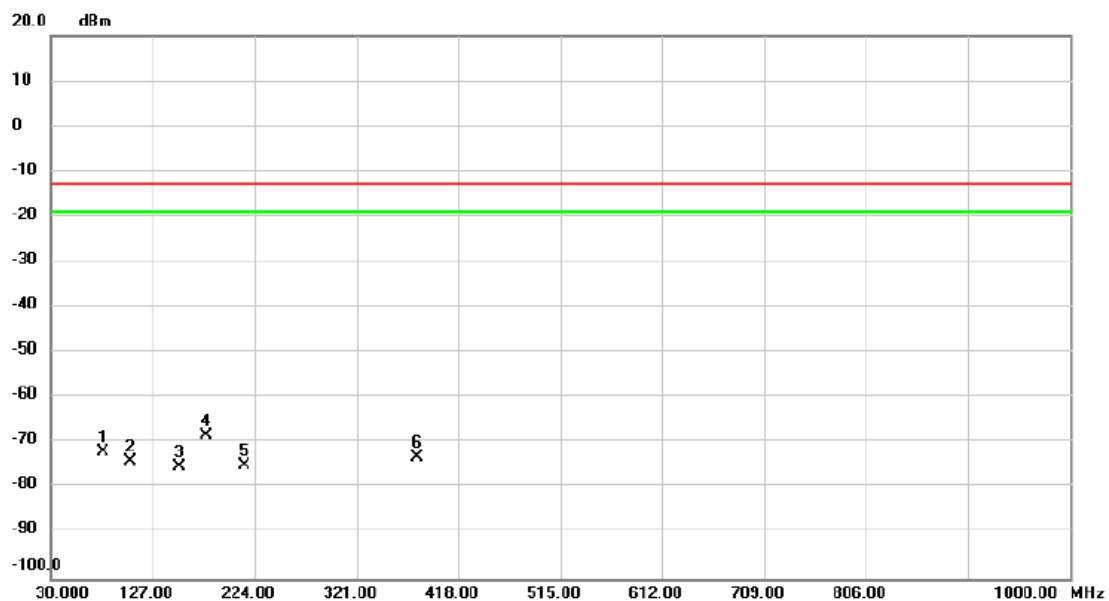
Vertical



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1 *	54.250	-63.81	-4.02	-67.83	-13.00	-54.83	peak	
2	77.530	-60.75	-7.70	-68.45	-13.00	-55.45	peak	
3	105.175	-63.14	-4.97	-68.11	-13.00	-55.11	peak	
4	157.070	-71.37	-1.46	-72.83	-13.00	-59.83	peak	
5	237.095	-71.82	-4.07	-75.89	-13.00	-62.89	peak	
6	506.755	-72.75	2.39	-70.36	-13.00	-57.36	peak	

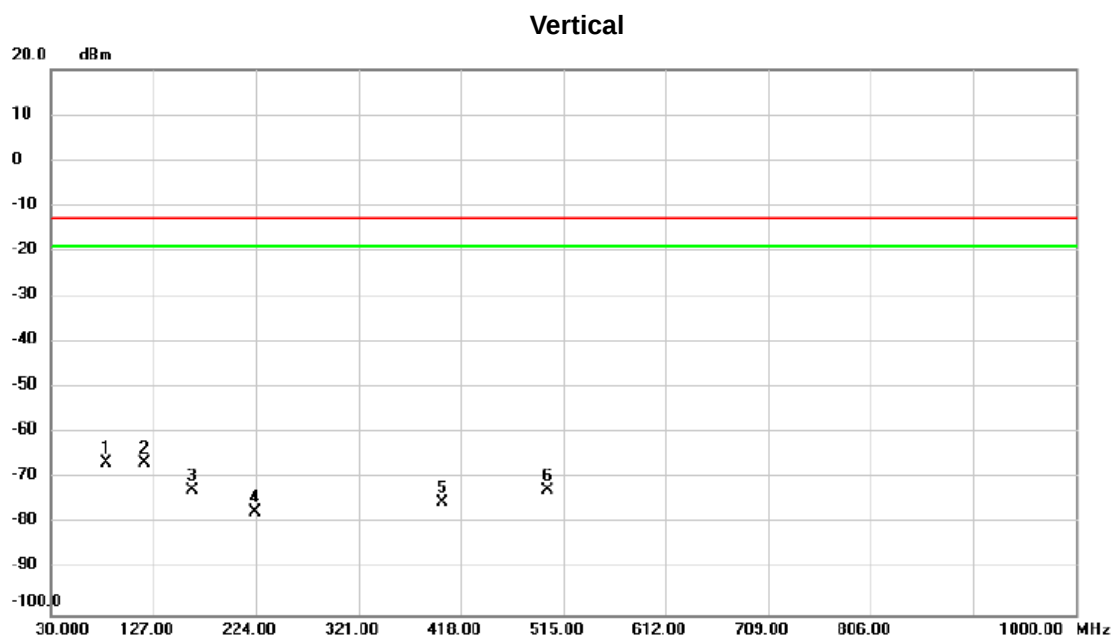
Test Mode	WCDMA Band IV_TX CH1413
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Horizontal



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	79.955	-63.76	-8.10	-71.86	-13.00	-58.86	peak	
2	105.660	-68.96	-4.94	-73.90	-13.00	-60.90	peak	
3	152.220	-73.28	-2.08	-75.36	-13.00	-62.36	peak	
4 *	177.440	-65.45	-3.02	-68.47	-13.00	-55.47	peak	
5	213.815	-69.65	-5.26	-74.91	-13.00	-61.91	peak	
6	378.230	-73.36	0.06	-73.30	-13.00	-60.30	peak	

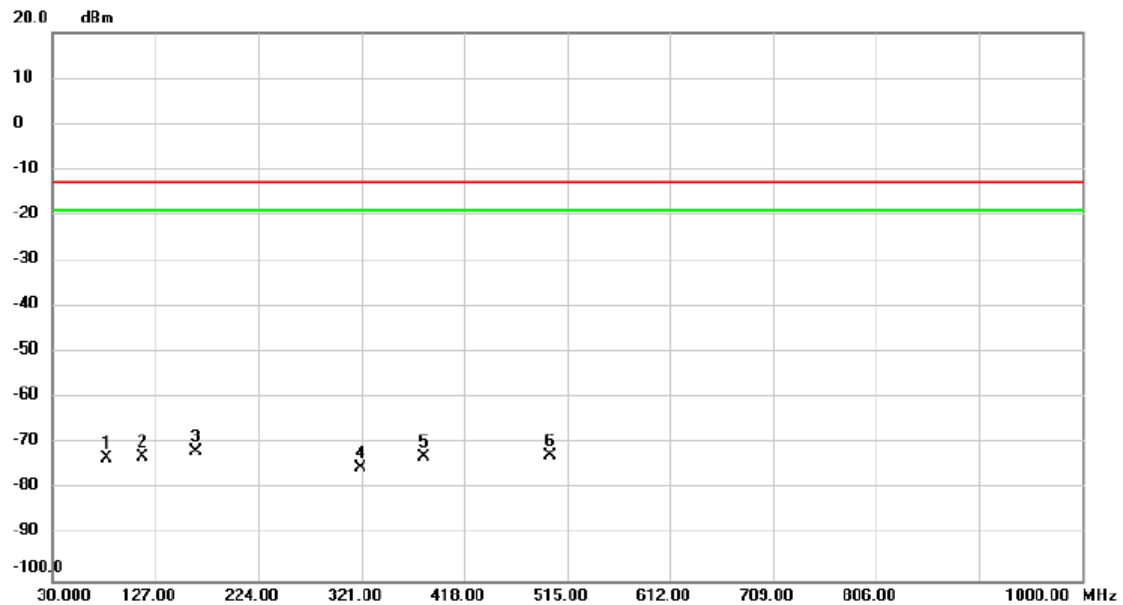
Test Mode	LTE Band 4_TX CH20175_1.4M
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No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	81.895	-58.78	-7.76	-66.54	-13.00	-53.54	peak	
2		118.755	-63.30	-3.33	-66.63	-13.00	-53.63	peak	
3		164.345	-70.85	-1.69	-72.54	-13.00	-59.54	peak	
4		223.030	-72.95	-4.53	-77.48	-13.00	-64.48	peak	
5		400.055	-75.75	0.58	-75.17	-13.00	-62.17	peak	
6		499.965	-74.91	2.33	-72.58	-13.00	-59.58	peak	

Test Mode	LTE Band 4_TX CH20175_1.4M
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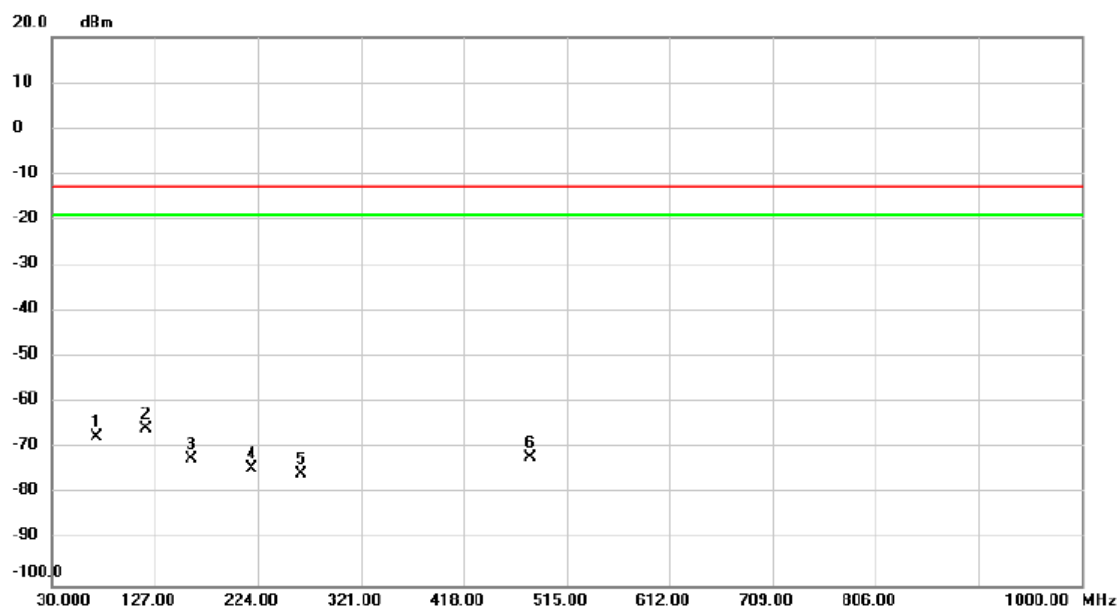
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		80.440	-65.07	-8.03	-73.10	-13.00	-60.10	peak	
2		114.390	-68.99	-3.99	-72.98	-13.00	-59.98	peak	
3	*	164.830	-69.82	-1.75	-71.57	-13.00	-58.57	peak	
4		320.030	-74.20	-1.09	-75.29	-13.00	-62.29	peak	
5		380.170	-73.04	0.10	-72.94	-13.00	-59.94	peak	
6		498.995	-74.88	2.32	-72.56	-13.00	-59.56	peak	

Test Mode	LTE Band 4_TX CH20175_5M
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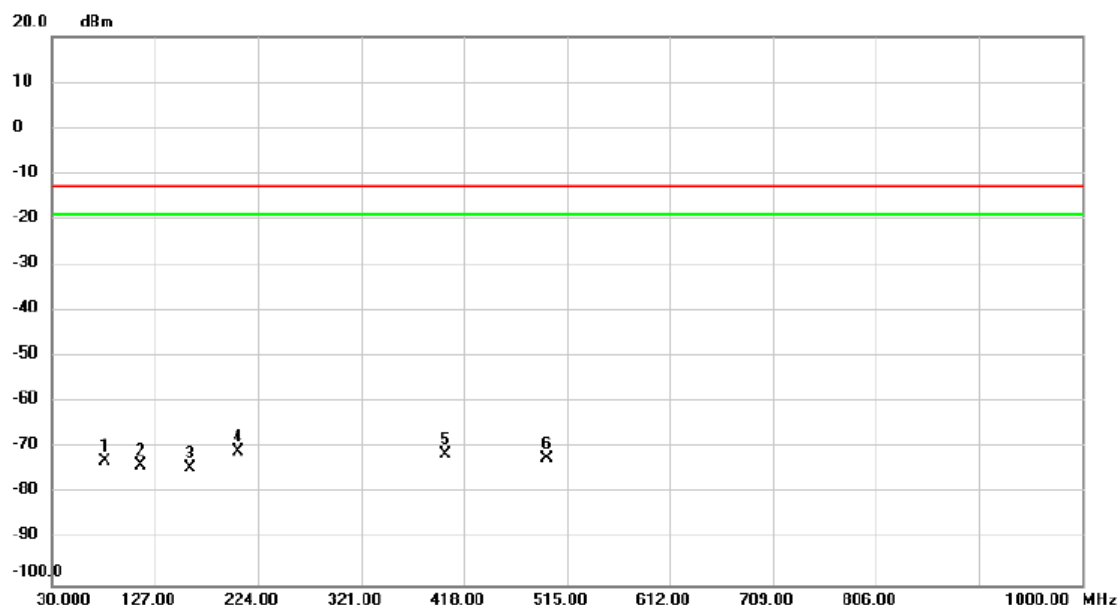
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		72.195	-60.84	-6.73	-67.57	-13.00	-54.57	peak	
2	*	118.755	-62.24	-3.33	-65.57	-13.00	-52.57	peak	
3		161.435	-70.83	-1.29	-72.12	-13.00	-59.12	peak	
4		218.665	-69.53	-4.79	-74.32	-13.00	-61.32	peak	
5		265.225	-72.74	-2.85	-75.59	-13.00	-62.59	peak	
6		480.080	-74.08	2.18	-71.90	-13.00	-58.90	peak	

Test Mode	LTE Band 4_TX CH20175_5M
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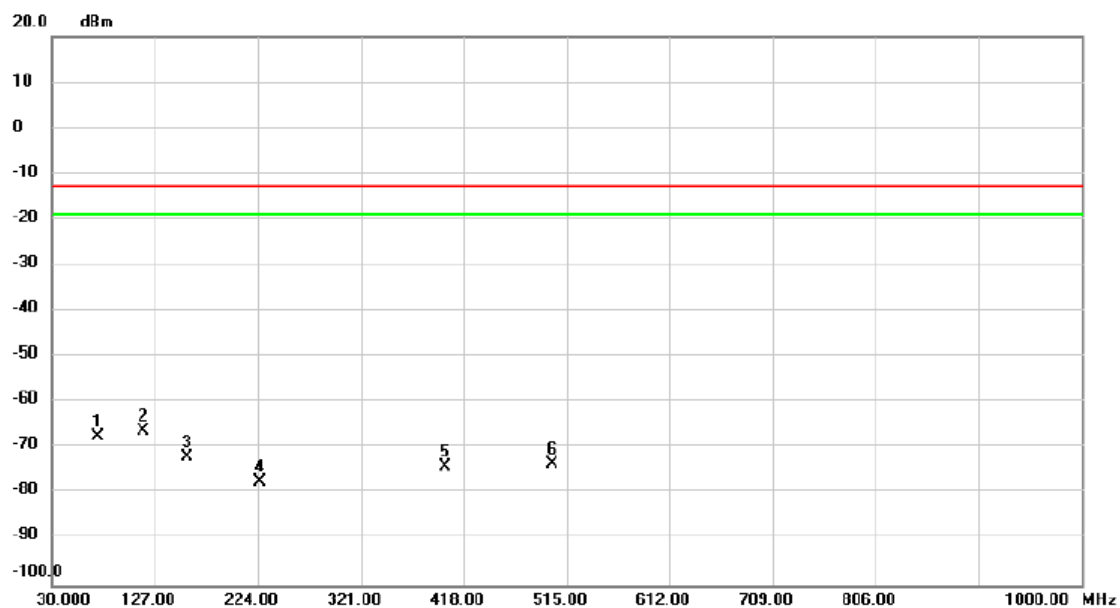
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		79.470	-64.80	-8.01	-72.81	-13.00	-59.81	peak	
2		113.905	-69.79	-4.06	-73.85	-13.00	-60.85	peak	
3		159.980	-73.37	-1.08	-74.45	-13.00	-61.45	peak	
4	*	205.570	-65.29	-5.45	-70.74	-13.00	-57.74	peak	
5		400.055	-71.83	0.58	-71.25	-13.00	-58.25	peak	
6		496.570	-74.41	2.30	-72.11	-13.00	-59.11	peak	

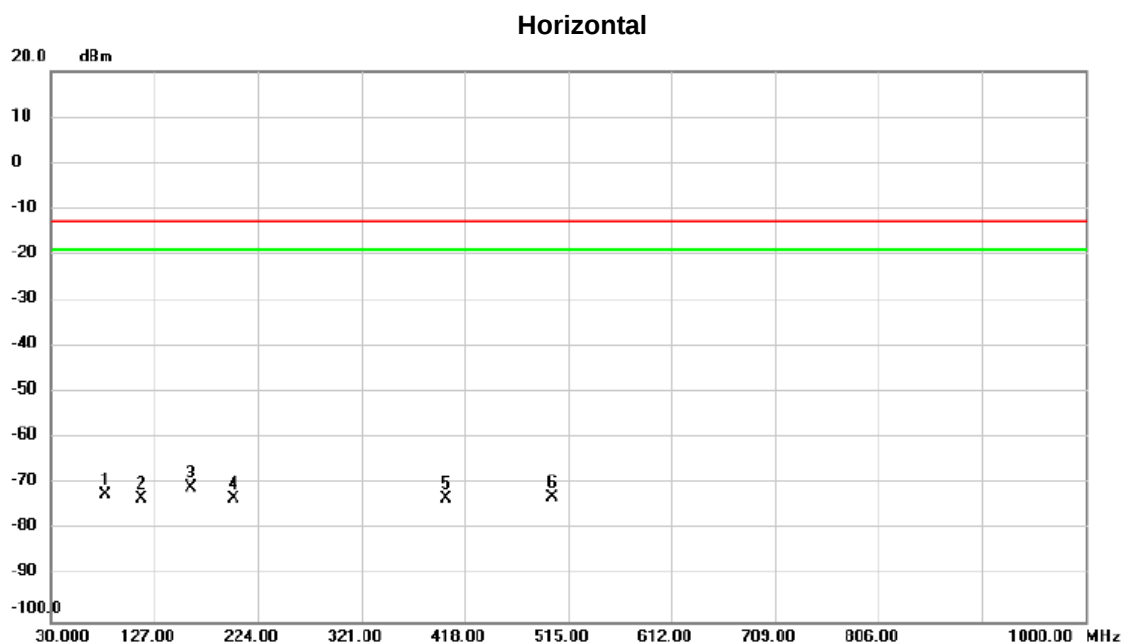
Test Mode	LTE Band 4_TX CH20175_20M
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Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		72.680	-60.49	-6.83	-67.32	-13.00	-54.32	peak	
2	*	116.330	-62.54	-3.69	-66.23	-13.00	-53.23	peak	
3		157.070	-70.51	-1.46	-71.97	-13.00	-58.97	peak	
4		225.940	-72.95	-4.43	-77.38	-13.00	-64.38	peak	
5		400.055	-74.75	0.58	-74.17	-13.00	-61.17	peak	
6		500.935	-75.67	2.33	-73.34	-13.00	-60.34	peak	

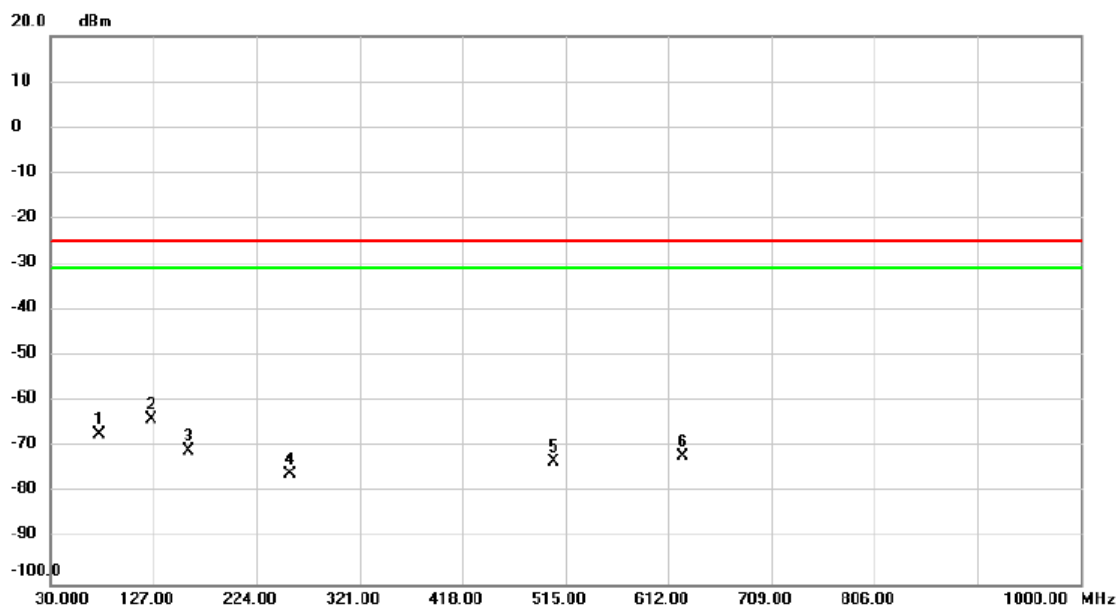
Test Mode	LTE Band 4_TX CH20175_20M
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No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		81.410	-64.28	-7.85	-72.13	-13.00	-59.13	peak	
2		114.875	-69.21	-3.91	-73.12	-13.00	-60.12	peak	
3	*	160.950	-69.63	-1.21	-70.84	-13.00	-57.84	peak	
4		201.690	-67.74	-5.28	-73.02	-13.00	-60.02	peak	
5		400.055	-73.77	0.58	-73.19	-13.00	-60.19	peak	
6		499.965	-75.19	2.33	-72.86	-13.00	-59.86	peak	

Test Mode	LTE Band 7_TX CH21100_5M
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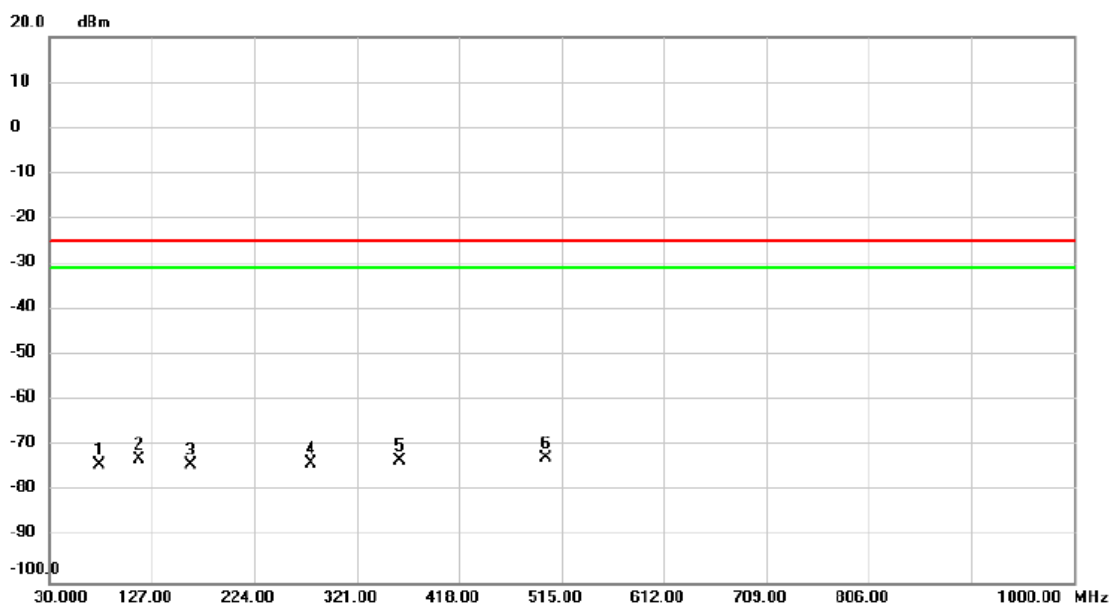
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		75.590	-59.84	-7.37	-67.21	-25.00	-42.21	peak	
2	*	125.545	-60.80	-3.15	-63.95	-25.00	-38.95	peak	
3		159.980	-69.74	-1.08	-70.82	-25.00	-45.82	peak	
4		255.525	-72.69	-3.12	-75.81	-25.00	-50.81	peak	
5		503.360	-75.54	2.35	-73.19	-25.00	-48.19	peak	
6		625.095	-76.75	4.78	-71.97	-25.00	-46.97	peak	

Test Mode	LTE Band 7_TX CH21100_5M
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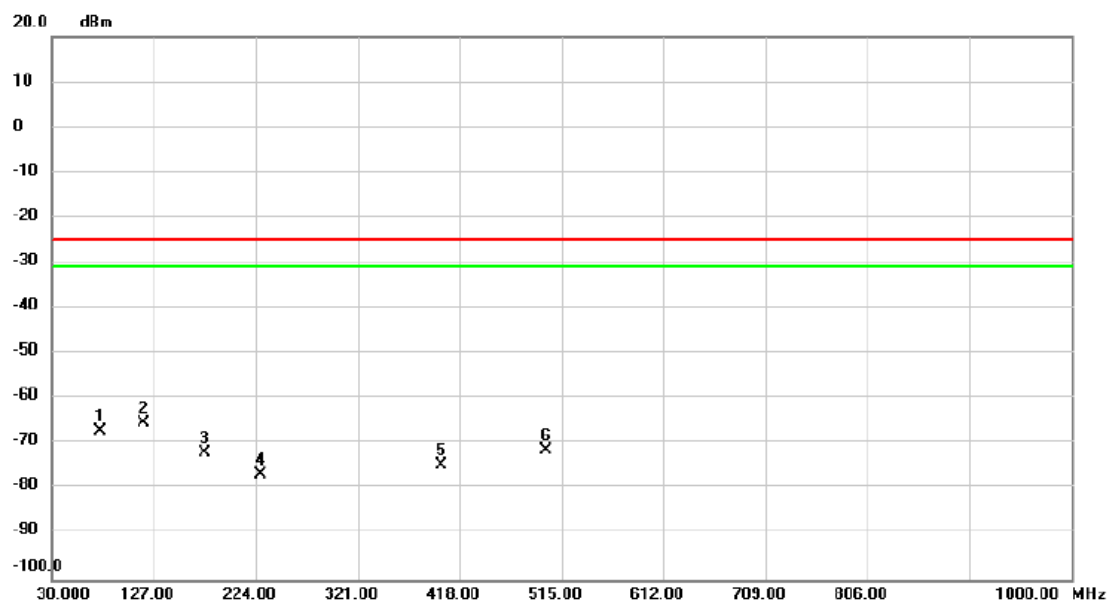
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		77.530	-66.34	-7.70	-74.04	-25.00	-49.04	peak	
2		114.390	-68.91	-3.99	-72.90	-25.00	-47.90	peak	
3		164.345	-72.44	-1.69	-74.13	-25.00	-49.13	peak	
4		277.835	-70.96	-2.68	-73.64	-25.00	-48.64	peak	
5		361.740	-72.97	-0.33	-73.30	-25.00	-48.30	peak	
6	*	499.965	-74.84	2.33	-72.51	-25.00	-47.51	peak	

Test Mode	LTE Band 7_TX CH21100_20M
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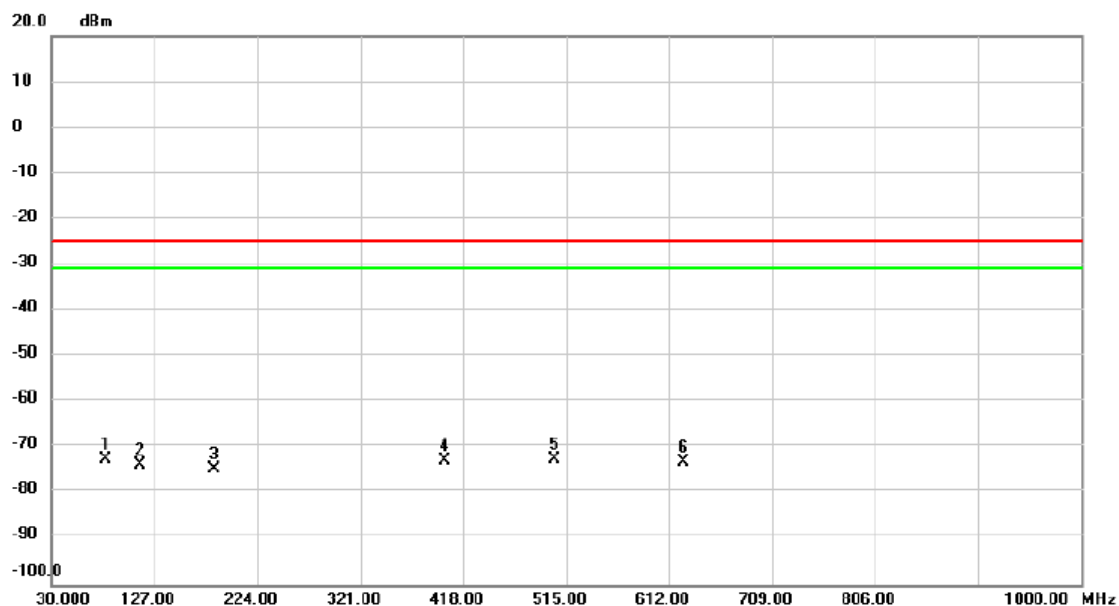
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1		75.590	-59.75	-7.37	-67.12	-25.00	-42.12	peak	
2	*	117.300	-61.87	-3.55	-65.42	-25.00	-40.42	peak	
3		175.500	-69.05	-2.88	-71.93	-25.00	-46.93	peak	
4		227.880	-72.43	-4.35	-76.78	-25.00	-51.78	peak	
5		400.055	-75.34	0.58	-74.76	-25.00	-49.76	peak	
6		499.965	-73.70	2.33	-71.37	-25.00	-46.37	peak	

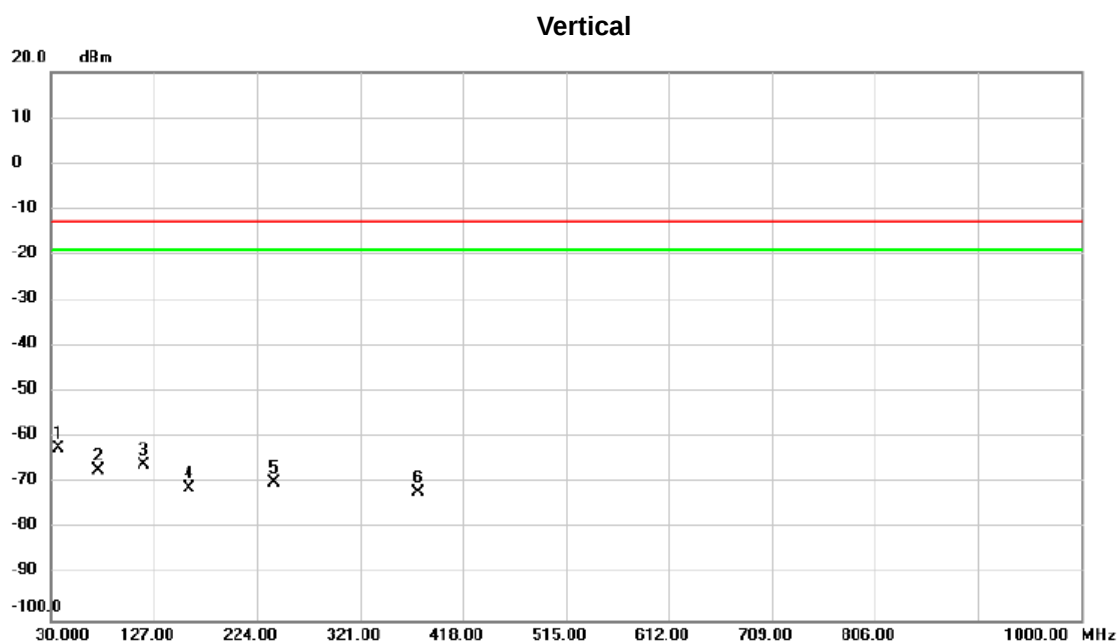
Test Mode	LTE Band 7_TX CH21100_20M
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Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	80.925	-64.55	-7.93	-72.48	-25.00	-47.48	peak	
2		113.420	-69.63	-4.13	-73.76	-25.00	-48.76	peak	
3		183.260	-71.05	-3.63	-74.68	-25.00	-49.68	peak	
4		400.055	-73.47	0.58	-72.89	-25.00	-47.89	peak	
5		503.845	-74.84	2.36	-72.48	-25.00	-47.48	peak	
6		625.095	-77.93	4.78	-73.15	-25.00	-48.15	peak	

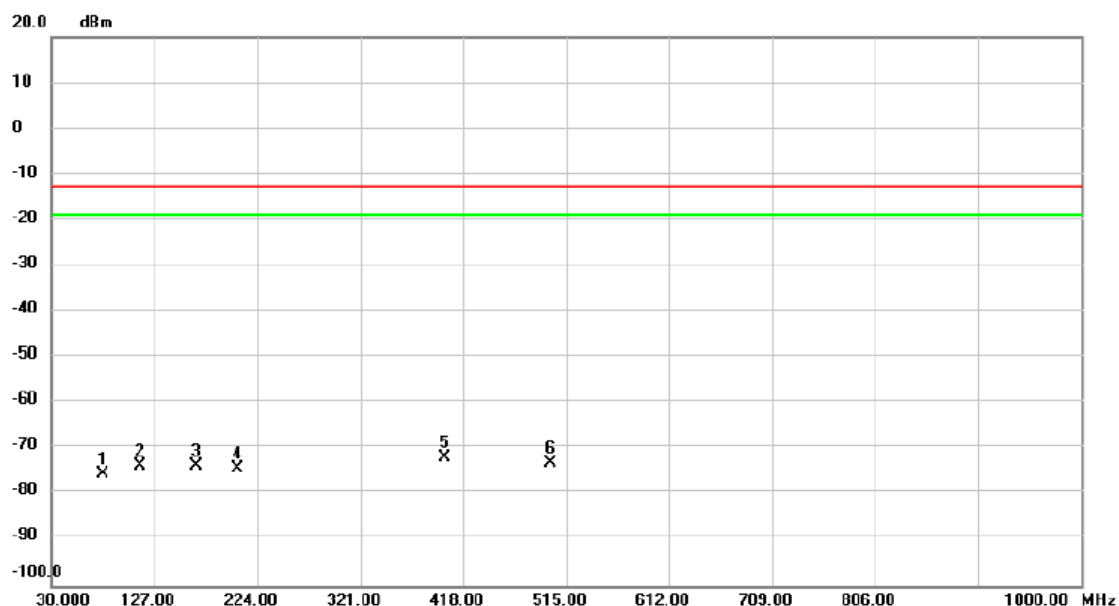
Test Mode:	LTE Band 12_TX CH23095_1.4M
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No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	36.790	-57.60	-4.70	-62.30	-13.00	-49.30	peak	
2		74.620	-60.10	-7.18	-67.28	-13.00	-54.28	peak	
3		117.785	-62.52	-3.48	-66.00	-13.00	-53.00	peak	
4		159.980	-69.87	-1.08	-70.95	-13.00	-57.95	peak	
5		240.005	-65.83	-3.99	-69.82	-13.00	-56.82	peak	
6		376.290	-72.02	0.01	-72.01	-13.00	-59.01	peak	

Test Mode: LTE Band 12_TX CH23095_1.4M

Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		78.985	-67.46	-7.95	-75.41	-13.00	-62.41	peak	
2		112.935	-69.46	-4.20	-73.66	-13.00	-60.66	peak	
3		166.770	-71.63	-2.04	-73.67	-13.00	-60.67	peak	
4		205.570	-68.92	-5.45	-74.37	-13.00	-61.37	peak	
5	*	400.055	-72.60	0.58	-72.02	-13.00	-59.02	peak	
6		499.965	-75.52	2.33	-73.19	-13.00	-60.19	peak	