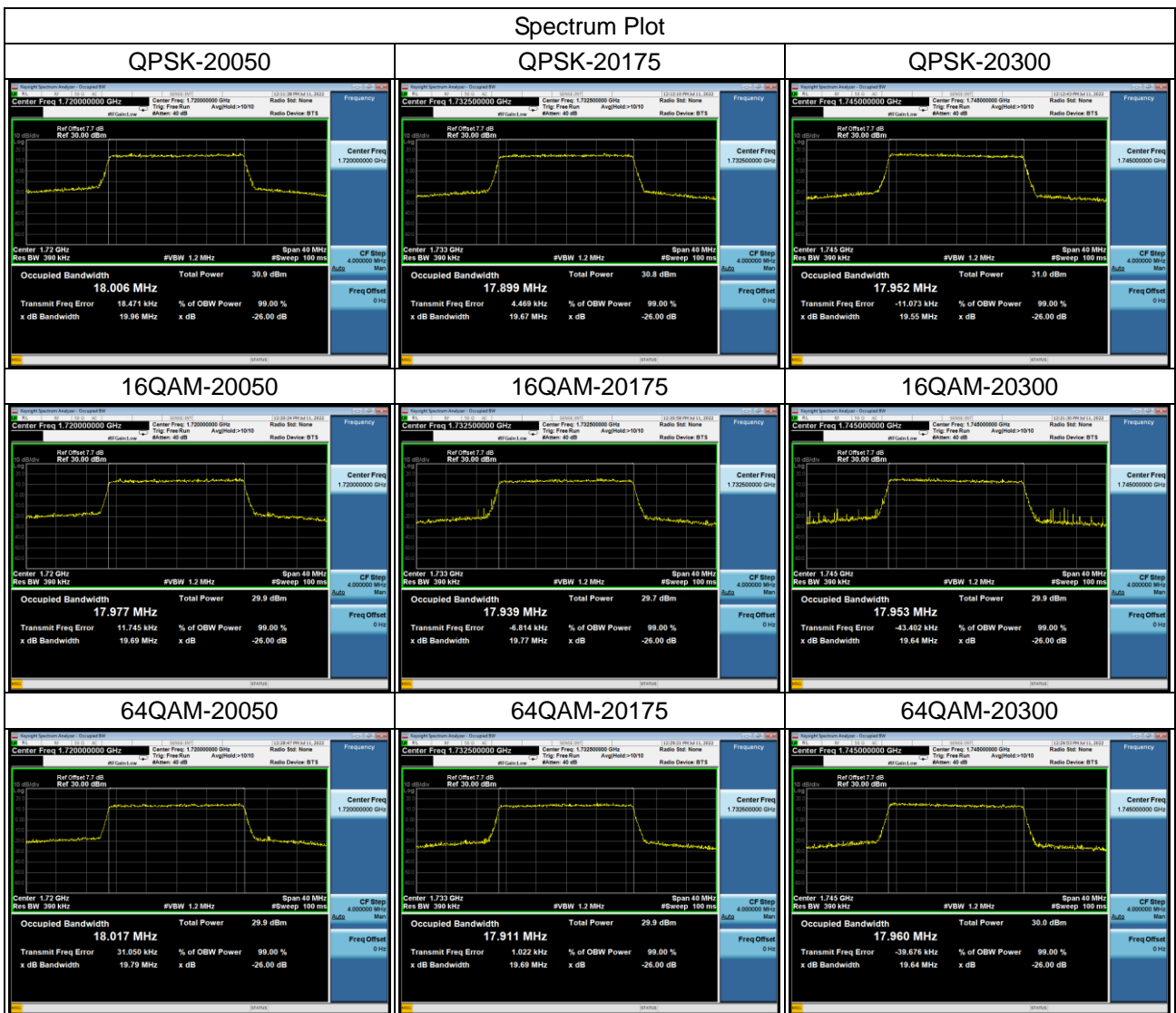
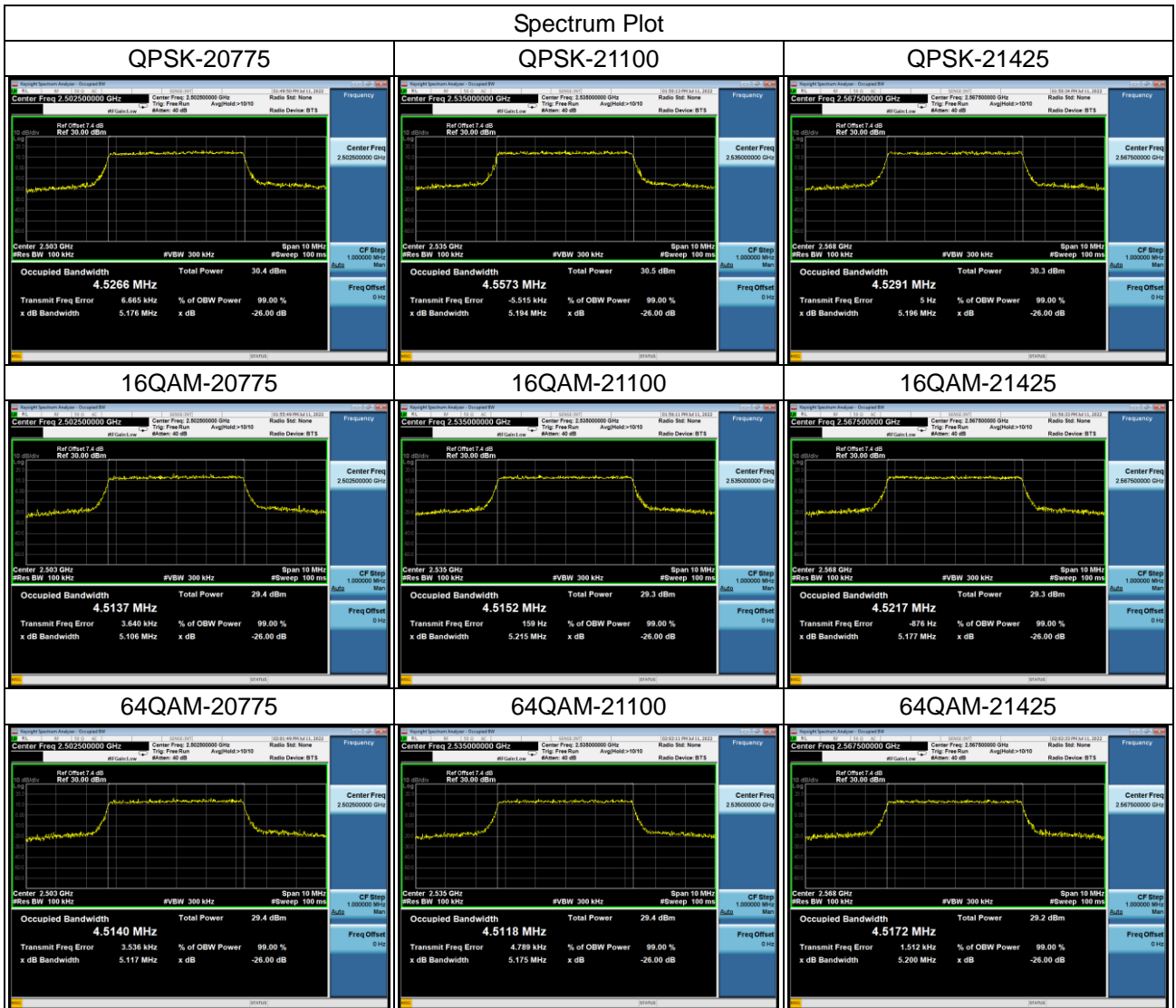


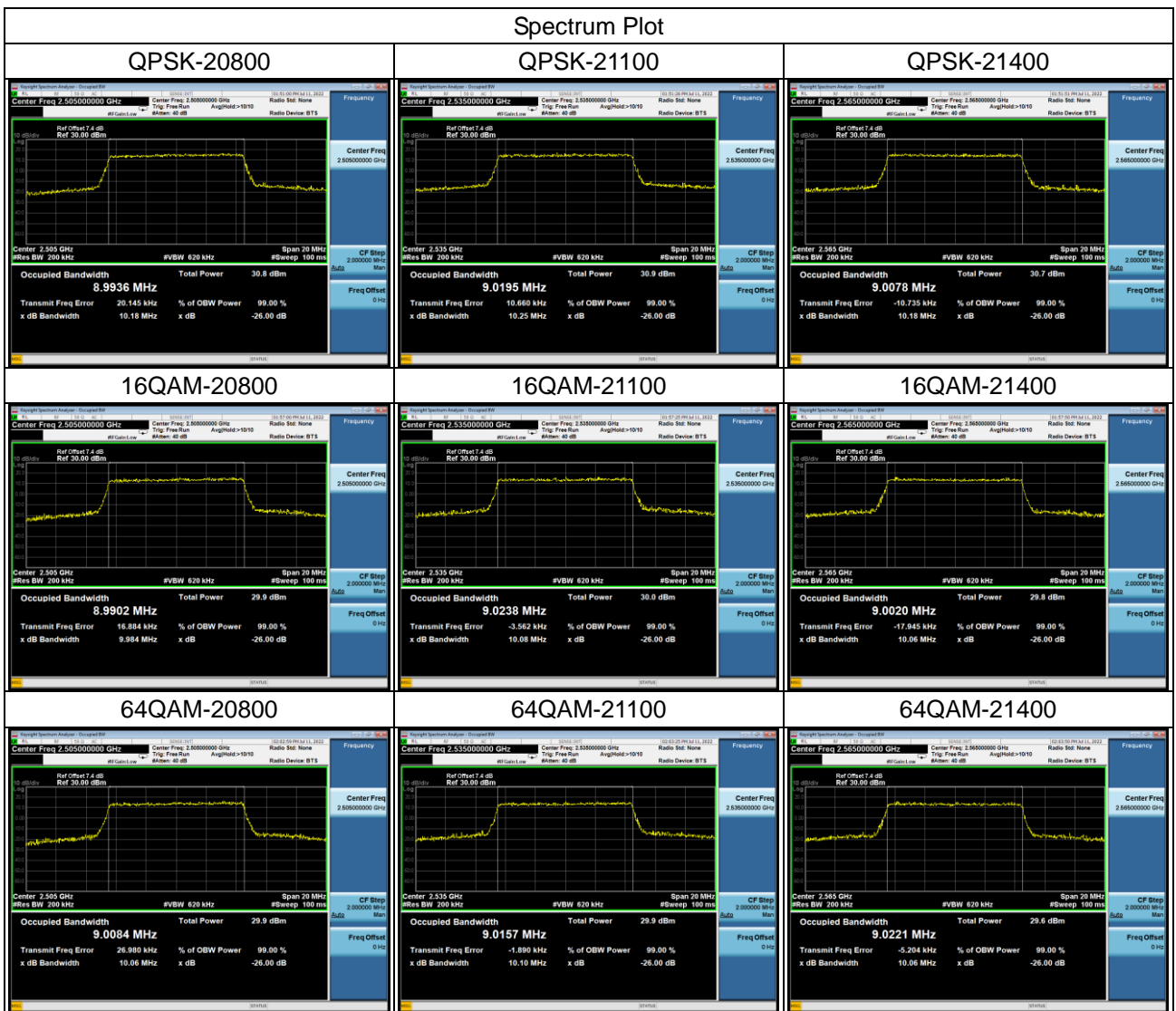
LTE Band 4_20MHz							
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)			26dB Bandwidth (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20050	1720	18.006	17.977	18.017	19.96	19.69	19.79
20175	1732.5	17.899	17.939	17.911	19.67	19.77	19.69
20300	1740	17.952	17.953	17.960	19.55	19.64	19.64



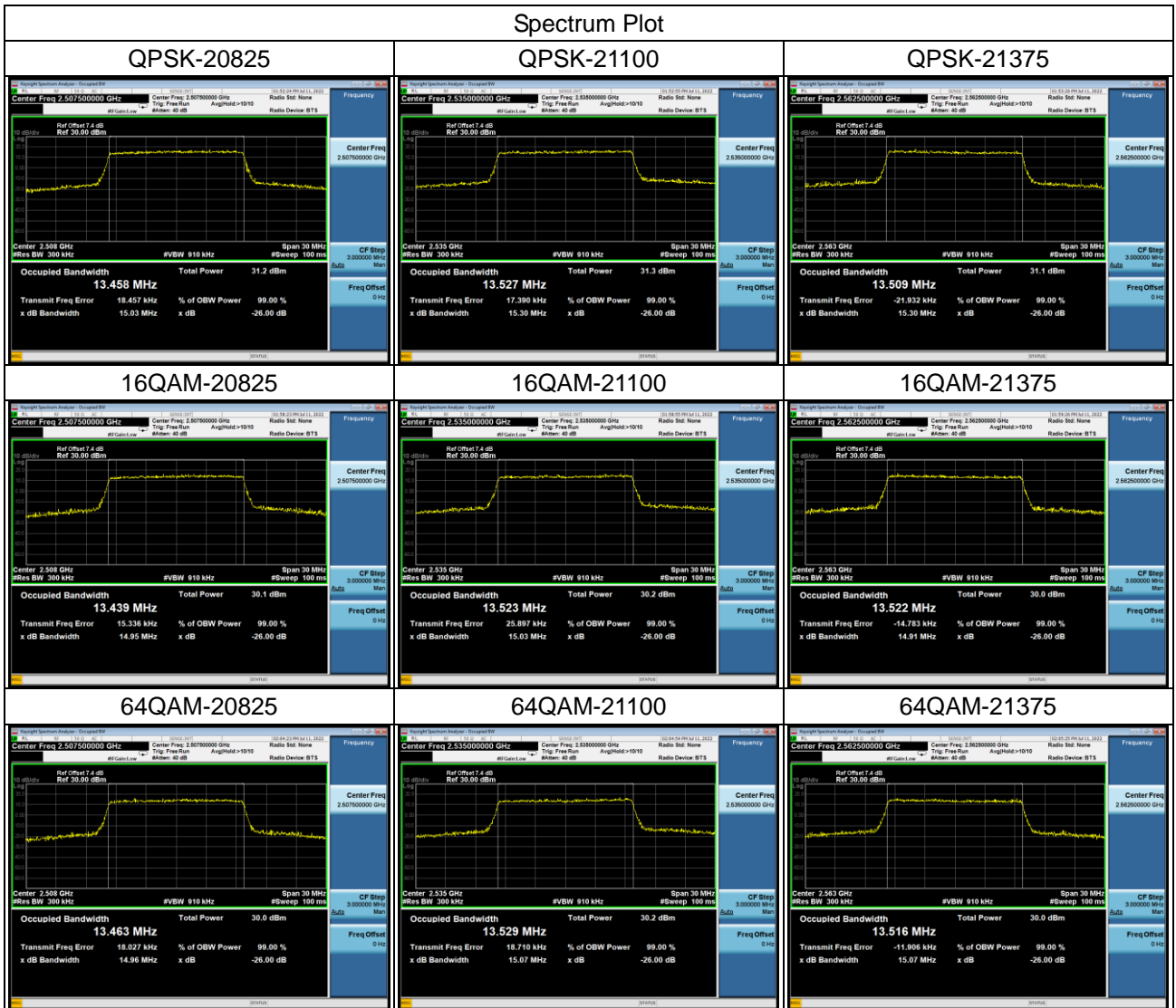
LTE Band 7_5MHz							
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)			26dB Bandwidth (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20775	2502.5	4.5266	4.5137	4.5140	5.176	5.106	5.117
21100	2535	4.5573	4.5152	4.5118	5.194	5.215	5.175
21425	2567.5	4.5291	4.5217	4.5172	5.196	5.177	5.200



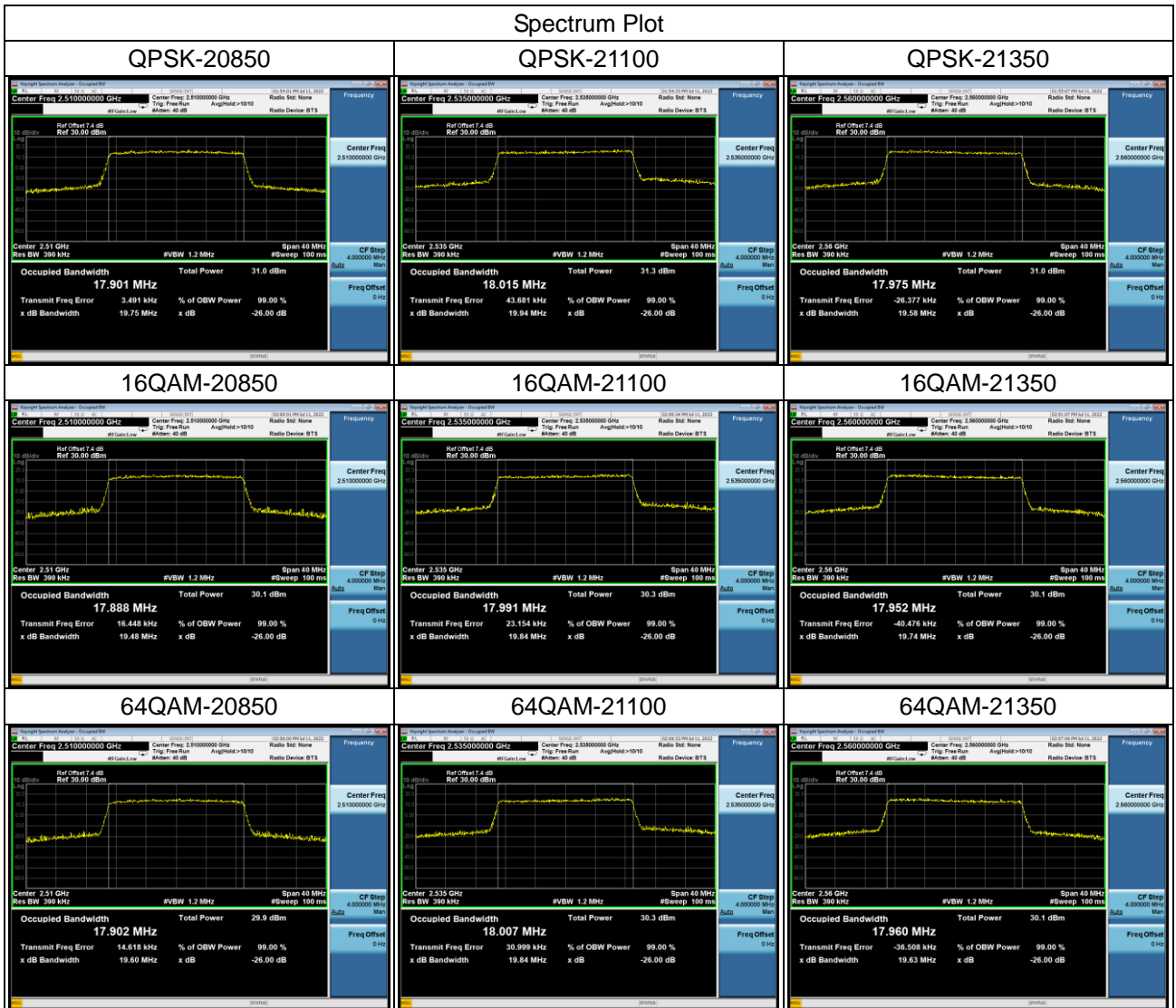
LTE Band 7_10MHz							
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)			26dB Bandwidth (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20800	2505	8.9936	8.9902	9.0084	10.18	9.984	10.06
21100	2535	9.0195	9.0238	9.0157	10.25	10.08	10.10
21400	2565	9.0078	9.0020	9.0221	10.18	10.06	10.06



LTE Band 7_15MHz							
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)			26dB Bandwidth (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20825	2507.5	13.458	13.439	13.463	15.03	14.95	14.96
21100	2535	13.527	13.523	13.529	15.30	15.03	15.07
21375	2562.5	13.509	13.522	13.516	15.30	14.91	15.07

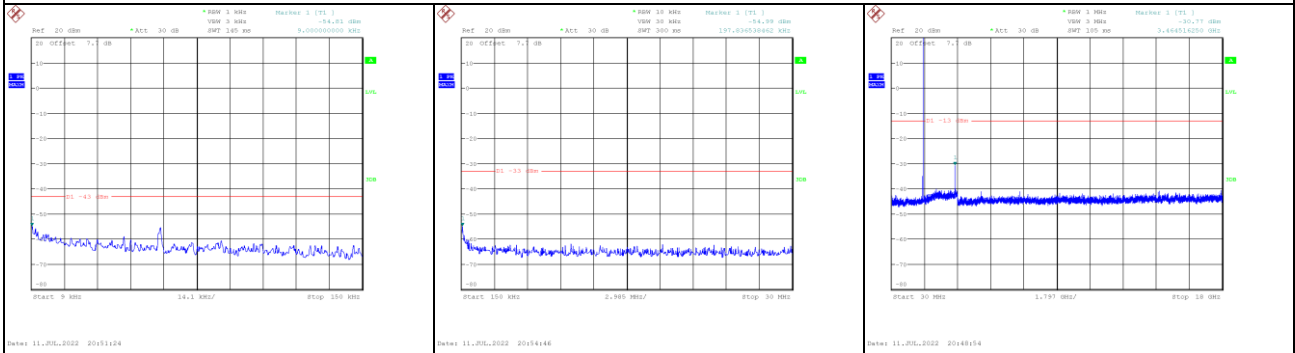


LTE Band 7_20MHz							
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)			26dB Bandwidth (MHz)		
		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
20850	2510	17.901	17.888	17.902	19.75	19.48	19.60
21100	2535	18.015	17.991	18.007	19.94	19.84	19.84
21350	2560	17.975	17.952	17.960	19.58	19.74	19.63

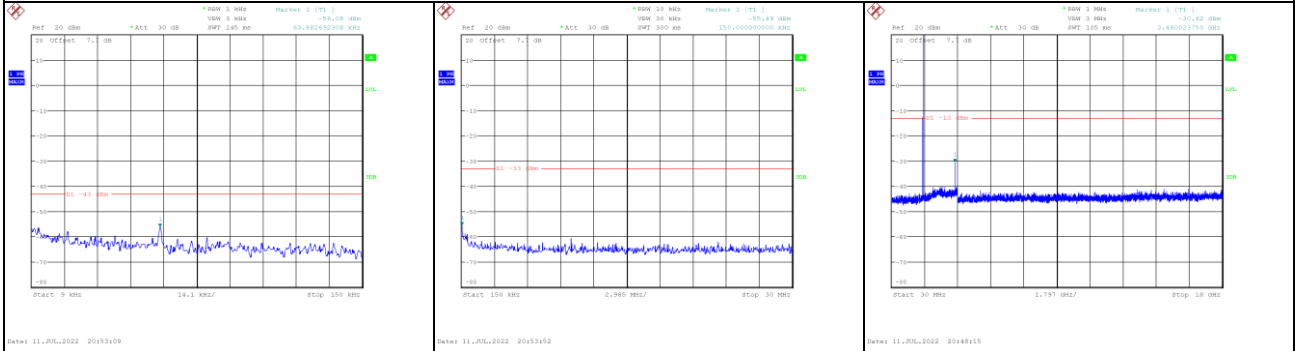


APPENDIX C - CONDUCTED SPURIOUS EMISSIONS

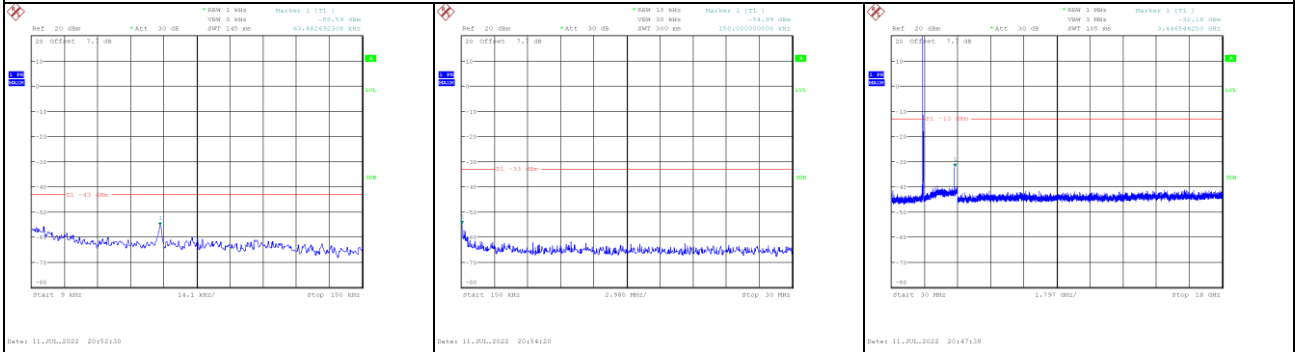
LTE Band 4_1.4MHz_CH20175 Spectrum Plot



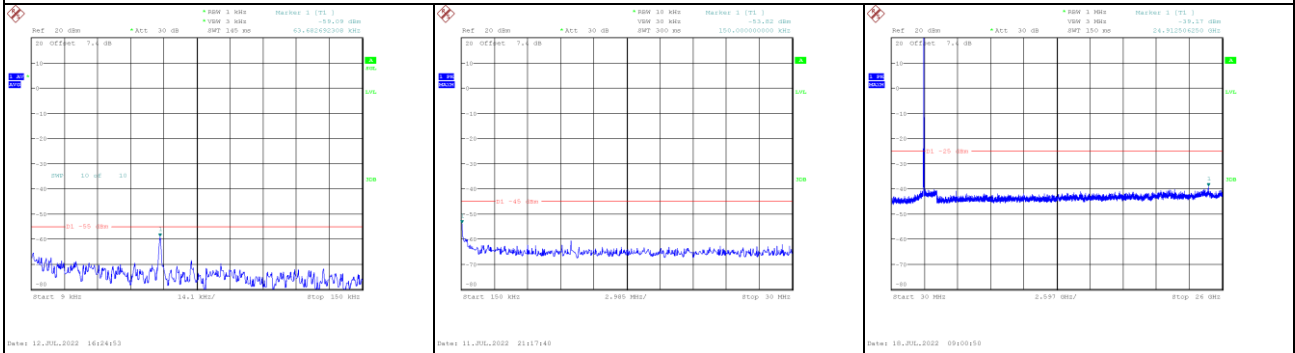
LTE Band 4_5MHz_CH20175 Spectrum Plot



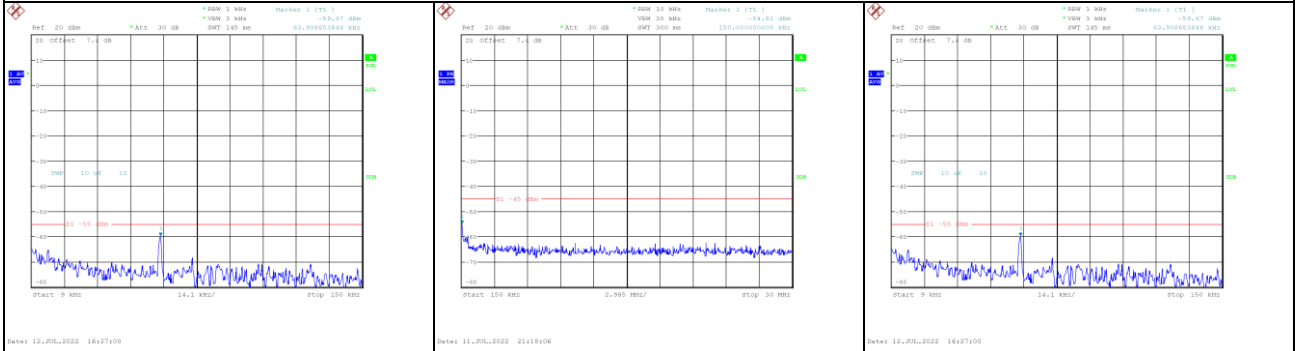
LTE Band 4_20MHz_CH20175 Spectrum Plot



LTE Band 7_5MHz_CH21100 Spectrum Plot



LTE Band 7_20MHz_CH21100 Spectrum Plot

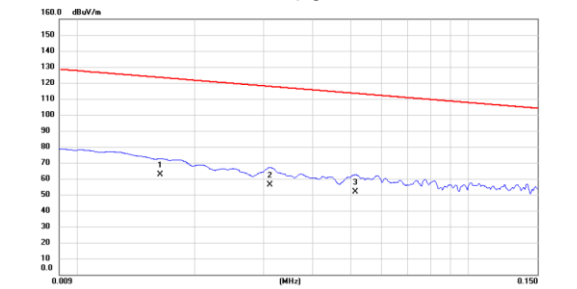


APPENDIX D - RADIATED SPURIOUS EMISSIONS (9KHZ TO 30MHZ)

Test Mode : TX Mode

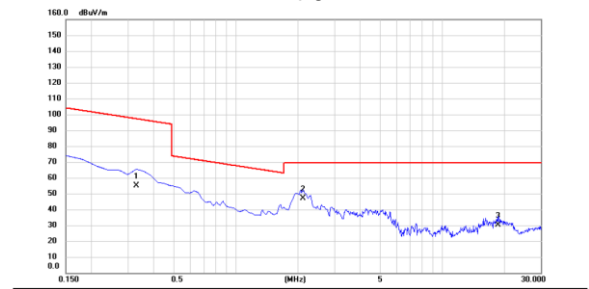
Test Mode : TX Mode

Ant 0°



No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	Comment
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	
1 *	0.0163	47.06	15.45	62.51	123.36	-60.85			AVG
2	0.0311	41.98	14.03	56.01	117.75	-61.74			AVG
3	0.0514	38.27	13.60	51.87	113.39	-61.52			AVG

Ant 0°

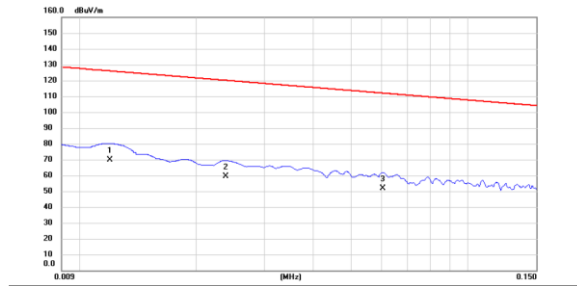


No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	Comment
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	
1	0.3291	41.23	13.74	54.97	97.26	-42.29			AVG
2 *	2.1201	34.56	12.52	47.08	69.54	-22.46			QP
3	18.5674	17.35	13.05	30.40	69.54	-39.14			QP

Test Mode : TX Mode

Test Mode : TX Mode

Ant 90°



No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	Comment
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	
1 *	0.0120	52.95	16.81	69.76	126.02	-56.26			AVG
2	0.0238	45.02	14.20	59.22	120.07	-60.85			AVG
3	0.0603	38.14	13.61	51.75	112.00	-60.25			AVG

Ant 90°



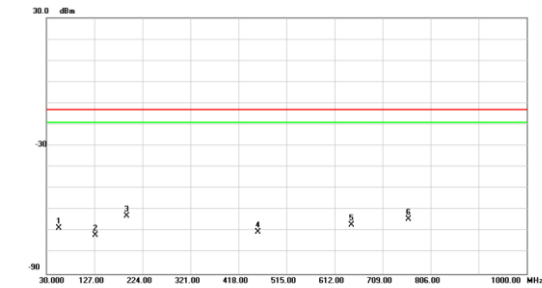
No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	Comment
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	
1	0.3291	39.25	13.74	52.99	97.26	-44.27			AVG
2 *	2.1500	34.24	12.51	46.75	69.54	-22.79			QP
3	4.3887	23.45	12.33	35.78	69.54	-33.76			QP

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

Test Mode : LTE Band 4_TX CH20175_1.4MHz

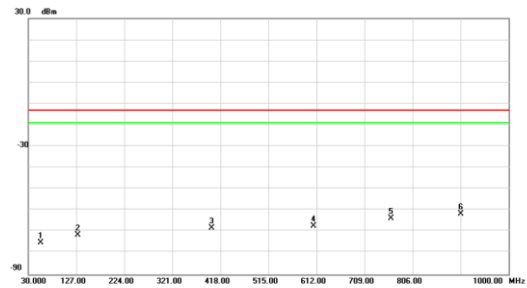
Test Mode : LTE Band 4_TX CH20175_1.4MHz

Vertical



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1	54.735	-65.95	-2.61	-68.56	-13.00	-55.56	peak	
2	128.940	-68.03	-3.85	-71.88	-13.00	-58.88	peak	
3 *	191.990	-57.91	-4.99	-62.90	-13.00	-49.90	peak	
4	457.770	-72.36	2.13	-70.23	-13.00	-57.23	peak	
5	646.435	-72.86	5.92	-66.94	-13.00	-53.94	peak	
6	760.895	-71.99	7.67	-64.32	-13.00	-51.32	peak	

Horizontal

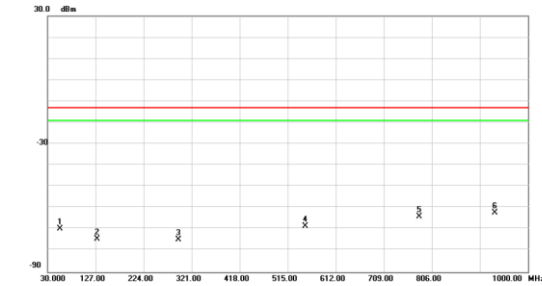


No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1	54.735	-72.67	-2.61	-75.28	-13.00	-62.28	peak	
2	130.395	-67.85	-3.72	-71.57	-13.00	-58.57	peak	
3	400.540	-68.75	0.47	-68.28	-13.00	-55.28	peak	
4	608.180	-72.42	5.15	-67.27	-13.00	-54.27	peak	
5	762.350	-71.50	7.67	-63.83	-13.00	-50.83	peak	
6 *	903.000	-70.65	9.04	-61.61	-13.00	-48.61	peak	

Test Mode : LTE Band 4_TX CH20175_5MHz

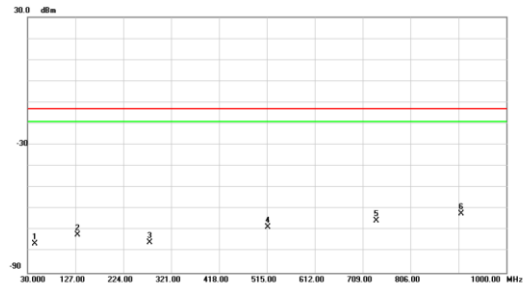
Test Mode : LTE Band 4_TX CH20175_5MHz

Vertical



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1	55.705	-67.00	-2.68	-69.68	-13.00	-56.68	peak	
2	129.910	-70.73	-3.76	-74.49	-13.00	-61.49	peak	
3	293.840	-73.02	-1.96	-74.98	-13.00	-61.98	peak	
4	550.890	-72.23	3.69	-68.54	-13.00	-55.54	peak	
5	780.295	-71.90	7.71	-64.19	-13.00	-51.19	peak	
6 *	933.555	-71.79	9.39	-62.40	-13.00	-49.40	peak	

Horizontal

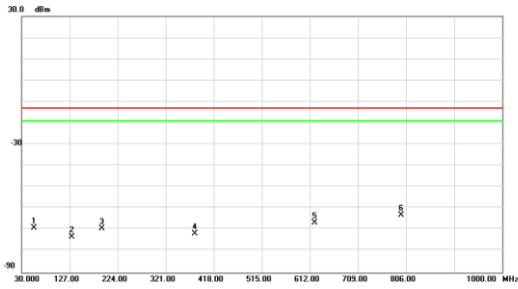


No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1	45.035	-73.64	-2.64	-76.28	-13.00	-63.28	peak	
2	131.365	-68.64	-3.64	-72.28	-13.00	-59.28	peak	
3	277.350	-73.31	-2.38	-75.69	-13.00	-62.69	peak	
4	517.425	-71.59	3.18	-68.41	-13.00	-55.41	peak	
5	736.160	-72.71	7.23	-65.48	-13.00	-52.48	peak	
6 *	909.305	-71.40	9.12	-62.28	-13.00	-49.28	peak	

Test Mode : LTE Band 4_TX CH20175_20MHz

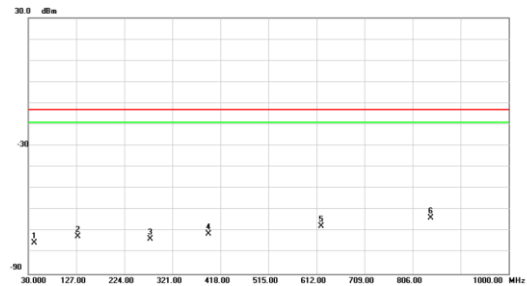
Test Mode : LTE Band 4_TX CH20175_20MHz

Vertical



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1	55.220	-86.45	-2.64	-89.09	-13.00	-56.09	peak	
2	131.385	-89.59	-3.84	-73.23	-13.00	-80.23	peak	
3	191.980	-84.49	-4.99	-69.48	-13.00	-56.48	peak	
4	379.685	-72.07	0.09	-71.98	-13.00	-58.98	peak	
5	621.700	-72.27	5.44	-66.83	-13.00	-53.83	peak	
6 *	796.300	-70.90	7.74	-63.16	-13.00	-50.16	peak	

Horizontal

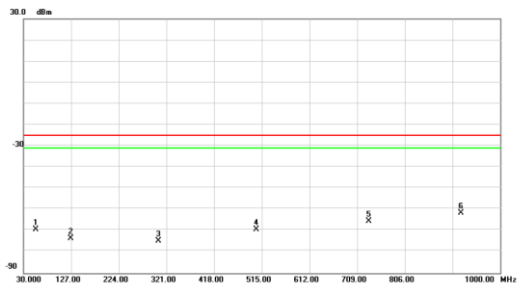


No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1	41.640	-72.54	-2.94	-75.48	-13.00	-62.48	peak	
2	129.910	-68.57	-3.76	-72.33	-13.00	-59.33	peak	
3	276.865	-71.12	-2.40	-73.52	-13.00	-60.52	peak	
4	394.235	-71.57	0.35	-71.22	-13.00	-58.22	peak	
5	622.185	-73.10	5.45	-67.65	-13.00	-54.65	peak	
6 *	843.345	-71.99	8.23	-63.76	-13.00	-50.76	peak	

Test Mode : LTE Band 7_TX CH21100_5MHz

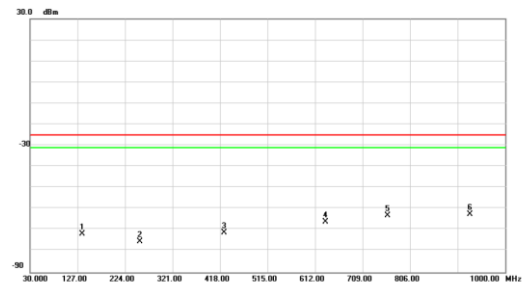
Test Mode : LTE Band 7_TX CH21100_5MHz

Vertical



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1	55.705	-66.69	-2.68	-69.37	-25.00	-44.37	peak	
2	128.515	-69.56	-4.05	-73.61	-25.00	-48.61	peak	
3	304.510	-73.31	-1.67	-74.98	-25.00	-49.98	peak	
4	603.845	-72.54	2.97	-69.57	-25.00	-44.57	peak	
5	732.765	-72.65	7.11	-65.54	-25.00	-40.54	peak	
6 *	920.945	-70.87	9.25	-61.62	-25.00	-36.62	peak	

Horizontal

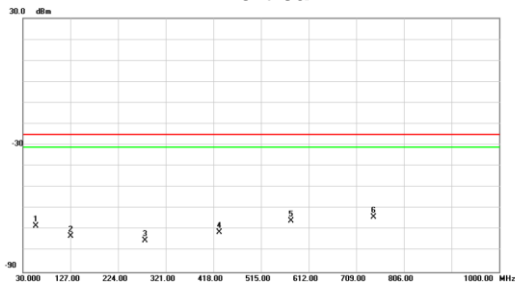


No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1	136.700	-68.63	-3.18	-71.81	-25.00	-46.81	peak	
2	254.070	-72.05	-3.46	-75.51	-25.00	-50.51	peak	
3	426.730	-72.46	1.27	-71.19	-25.00	-46.19	peak	
4	633.825	-71.72	5.68	-66.04	-25.00	-41.04	peak	
5	759.925	-70.70	7.67	-63.03	-25.00	-38.03	peak	
6 *	928.705	-71.84	9.33	-62.51	-25.00	-37.51	peak	

Test Mode : LTE Band 7_TX CH21100_20MHz

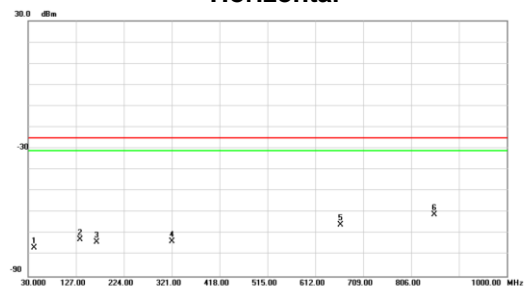
Test Mode : LTE Band 7_TX CH21100_20MHz

Vertical



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1	56.190	-65.63	-2.73	-68.36	-25.00	-43.36	peak	
2	127.000	-69.04	-4.01	-73.05	-25.00	-48.05	peak	
3	279.290	-72.89	-2.28	-75.17	-25.00	-50.17	peak	
4	430.125	-72.72	1.38	-71.34	-25.00	-46.34	peak	
5	578.110	-70.35	4.38	-65.97	-25.00	-40.97	peak	
6 *	744.890	-71.41	7.50	-63.91	-25.00	-38.91	peak	

Horizontal



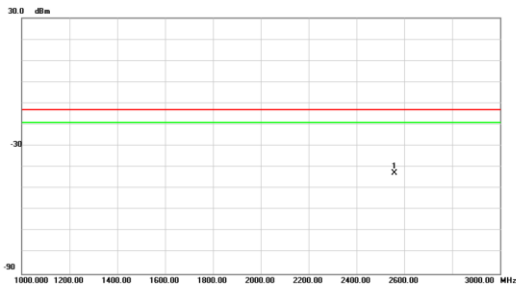
No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1	42.610	-73.68	-2.88	-76.54	-25.00	-51.54	peak	
2	135.730	-69.36	-3.27	-72.63	-25.00	-47.63	peak	
3	168.710	-71.36	-2.48	-73.84	-25.00	-48.84	peak	
4	321.000	-72.58	-1.14	-73.72	-25.00	-48.72	peak	
5	662.925	-71.84	6.01	-65.83	-25.00	-40.83	peak	
6 *	853.045	-69.40	8.35	-61.05	-25.00	-36.05	peak	

APPENDIX F - RADIATED SPURIOUS EMISSIONS (ABOVE 1GHZ)

Test Mode : LTE Band 4_TX CH20175_1.4MHz

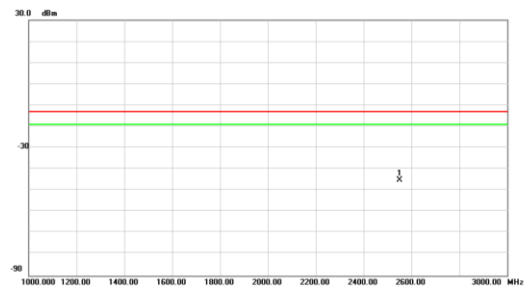
Test Mode : LTE Band 4_TX CH20175_1.4MHz

Vertical



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1 *	2558.000	-63.06	20.19	-42.87	-13.00	-29.87	peak	

Horizontal

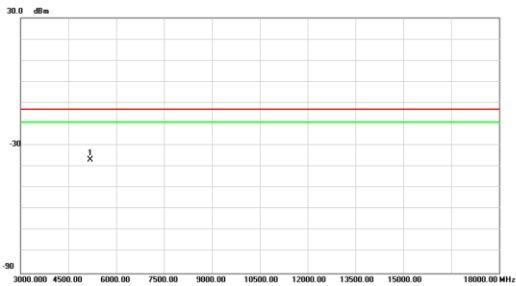


No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1 *	2551.000	-65.30	20.18	-45.12	-13.00	-32.12	peak	

Test Mode : LTE Band 4_TX CH20175_1.4MHz

Test Mode : LTE Band 4_TX CH20175_1.4MHz

Vertical



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1 *	5197.500	-53.96	17.18	-36.78	-13.00	-23.78	peak	

Horizontal

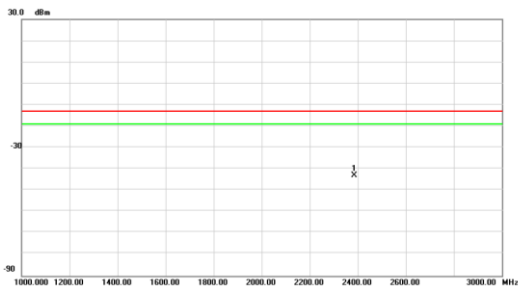


No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1 *	5197.500	-51.96	17.18	-34.78	-13.00	-21.78	peak	

Test Mode : LTE Band 4_TX CH20175_5MHz

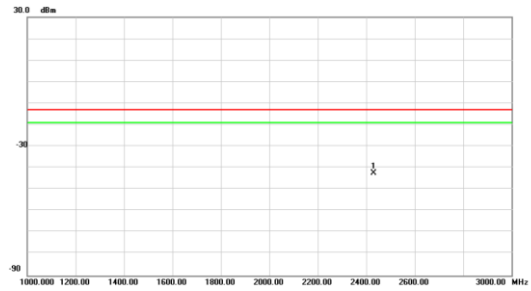
Test Mode : LTE Band 4_TX CH20175_5MHz

Vertical



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1 *	2384.000	-62.52	19.45	-43.07	-13.00	-30.07	peak	

Horizontal

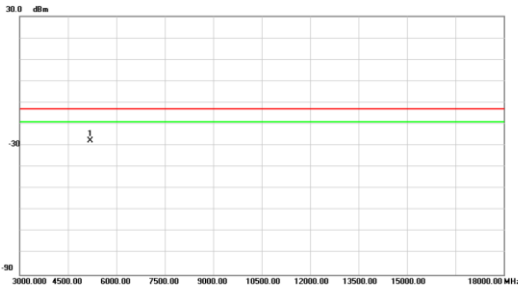


No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1 *	2431.000	-62.29	19.72	-42.57	-13.00	-29.57	peak	

Test Mode : LTE Band 4_TX CH20175_5MHz

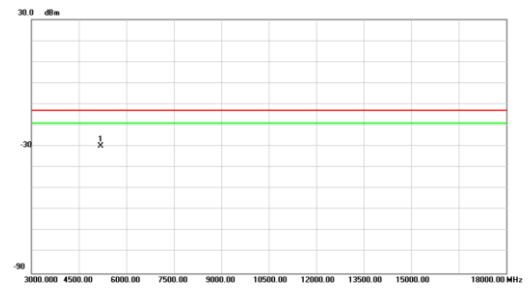
Test Mode : LTE Band 4_TX CH20175_5MHz

Vertical



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1 *	5190.000	-44.80	17.15	-27.65	-13.00	-14.65	peak	

Horizontal

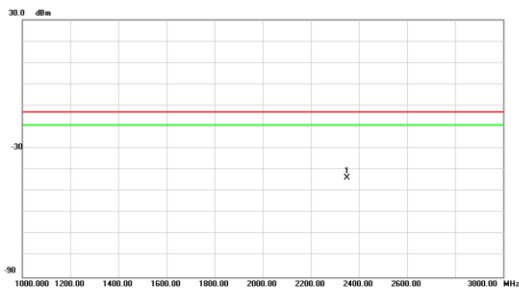


No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1 *	5190.000	-47.06	17.15	-29.91	-13.00	-16.91	peak	

Test Mode : LTE Band 4_TX CH20175_20MHz

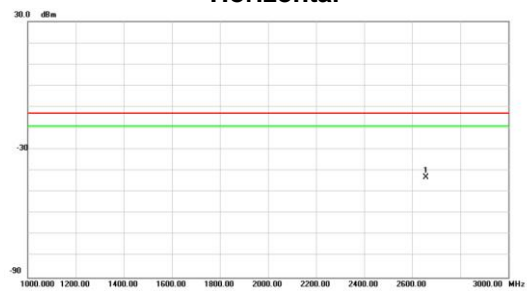
Test Mode : LTE Band 4_TX CH20175_20MHz

Vertical



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1 *	2351.000	-62.84	19.28	-43.56	-13.00	-30.56	peak	

Horizontal

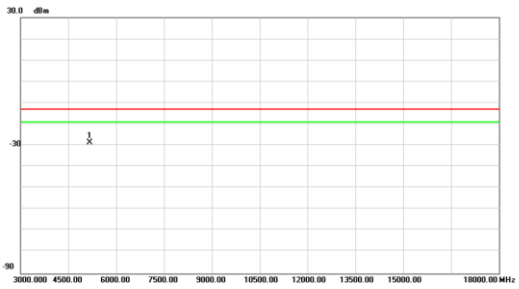


No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1 *	2658.000	-63.33	20.38	-42.95	-13.00	-29.95	peak	

Test Mode : LTE Band 4_TX CH20175_20MHz

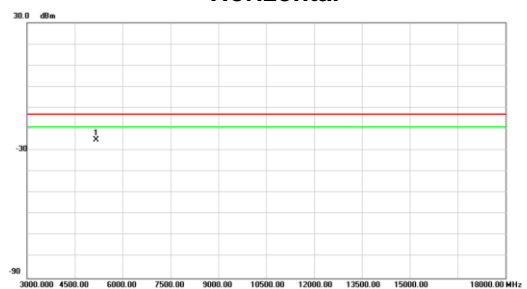
Test Mode : LTE Band 4_TX CH20175_20MHz

Vertical



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1 *	5187.500	-45.72	17.05	-28.67	-13.00	-15.67	peak	

Horizontal

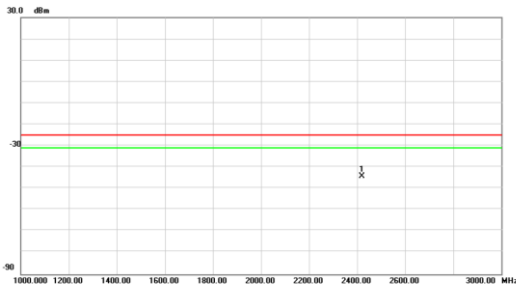


No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1 *	5187.500	-42.11	17.05	-25.06	-13.00	-12.06	peak	

Test Mode : LTE Band 7_TX CH21100_5MHz

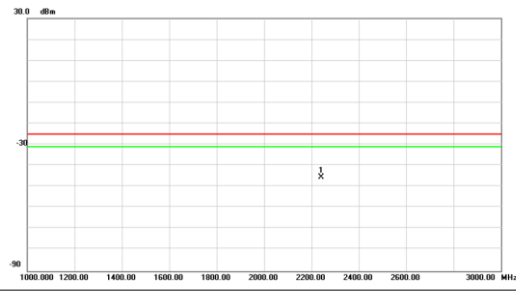
Test Mode : LTE Band 7_TX CH21100_5MHz

Vertical



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1 *	2419.000	-63.78	19.64	-44.14	-25.00	-19.14	peak	

Horizontal

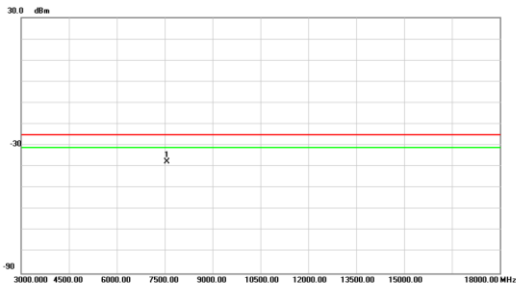


No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1 *	2241.000	-64.03	18.66	-45.37	-25.00	-20.37	peak	

Test Mode : LTE Band 7_TX CH21100_5MHz

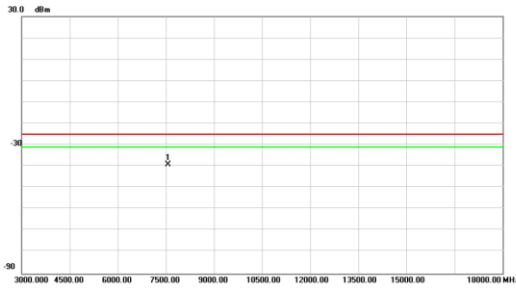
Test Mode : LTE Band 7_TX CH21100_5MHz

Vertical



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1 *	7675.000	-68.30	20.56	-37.74	-25.00	-12.74	peak	

Horizontal

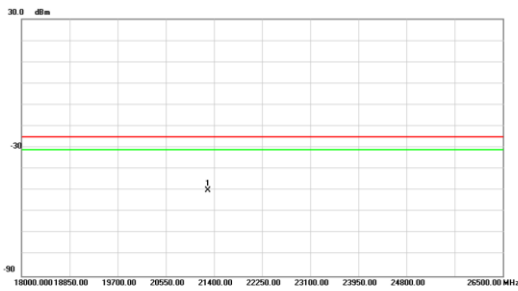


No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1 *	7675.000	-69.59	20.56	-39.03	-25.00	-14.03	peak	

Test Mode : LTE Band 7_TX CH21100_5MHz

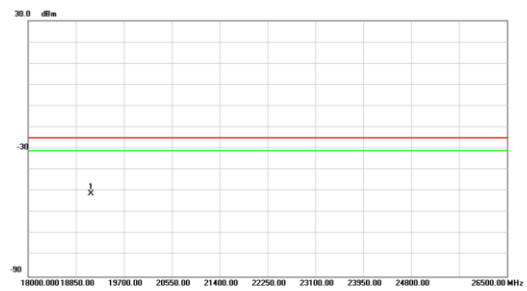
Test Mode : LTE Band 7_TX CH21100_5MHz

Vertical



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1 *	21293.750	-57.50	7.62	-49.88	-25.00	-24.88	peak	

Horizontal

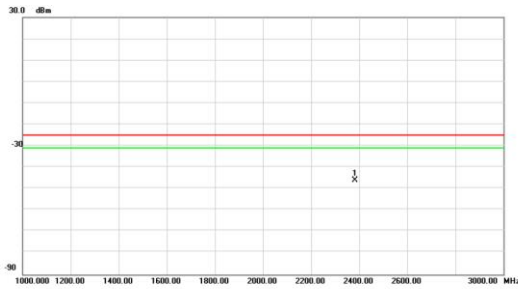


No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1 *	19113.500	-55.16	4.05	-51.11	-25.00	-26.11	peak	

Test Mode : LTE Band 7_TX CH21100_20MHz

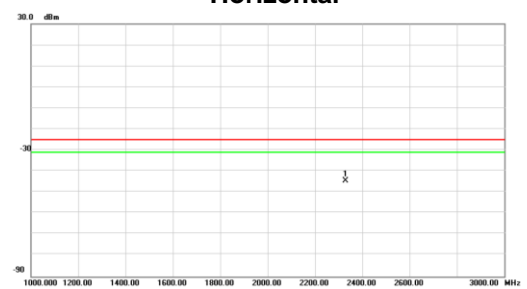
Test Mode : LTE Band 7_TX CH21100_20MHz

Vertical



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1 *	2382.000	-65.42	19.44	-45.98	-25.00	-20.98	peak	

Horizontal

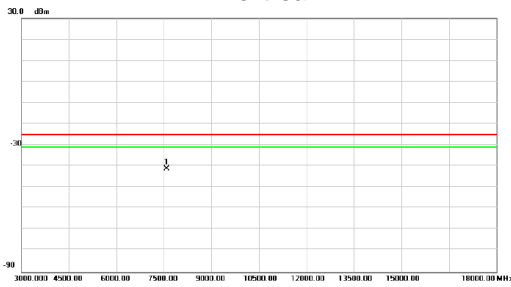


No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1 *	2329.000	-63.71	19.16	-44.55	-25.00	-19.55	peak	

Test Mode : LTE Band 7_TX CH21100_20MHz

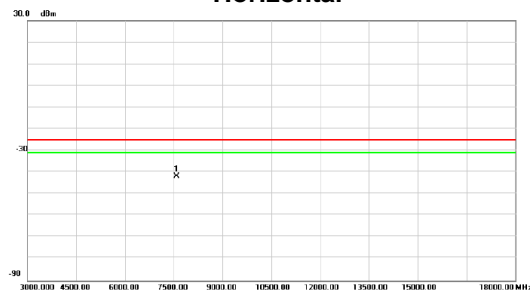
Test Mode : LTE Band 7_TX CH21100_20MHz

Vertical



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1 *	7597.500	-61.96	20.61	-41.35	-25.00	-16.35	peak	

Horizontal

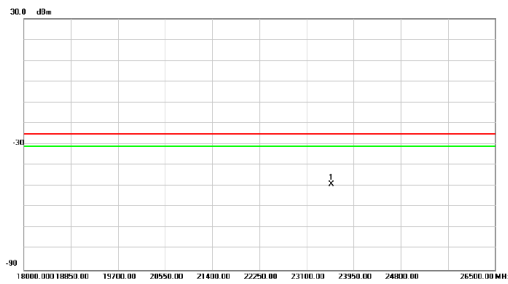


No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1 *	7597.500	-62.58	20.61	-41.97	-25.00	-16.97	peak	

Test Mode : LTE Band 7_TX CH21100_20MHz

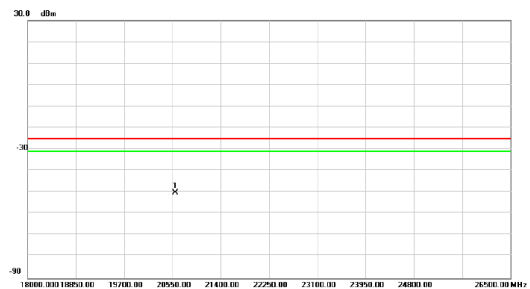
Test Mode : LTE Band 7_TX CH21100_20MHz

Vertical



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1 *	23550.500	-59.13	10.07	-49.06	-25.00	-24.06	peak	

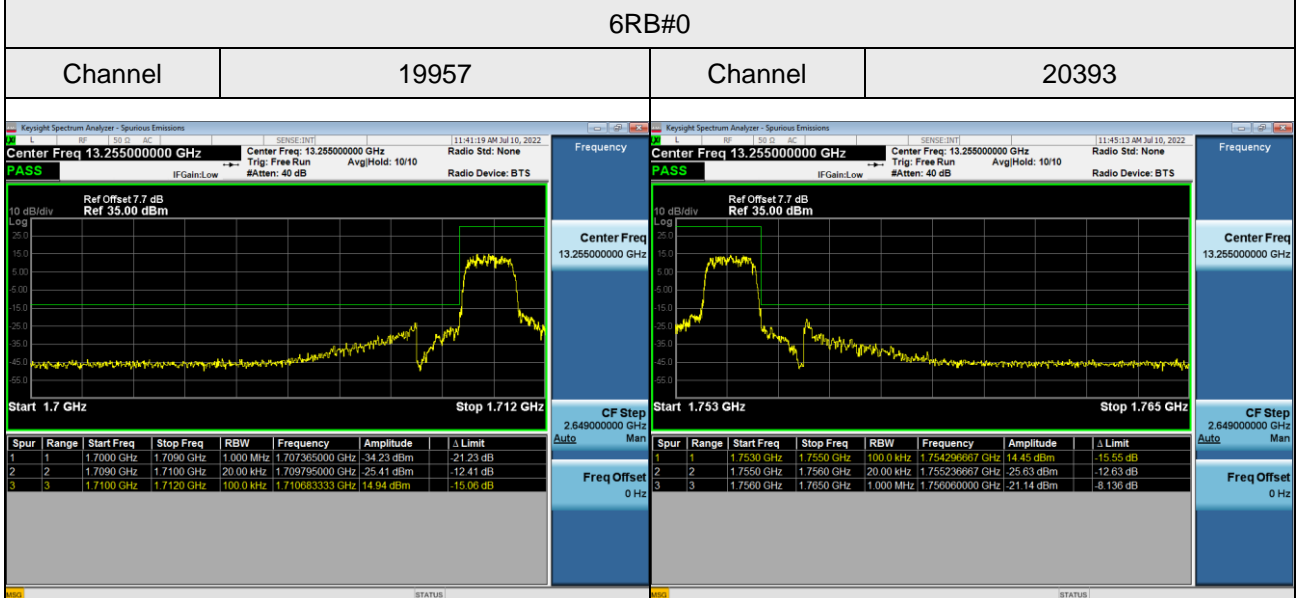
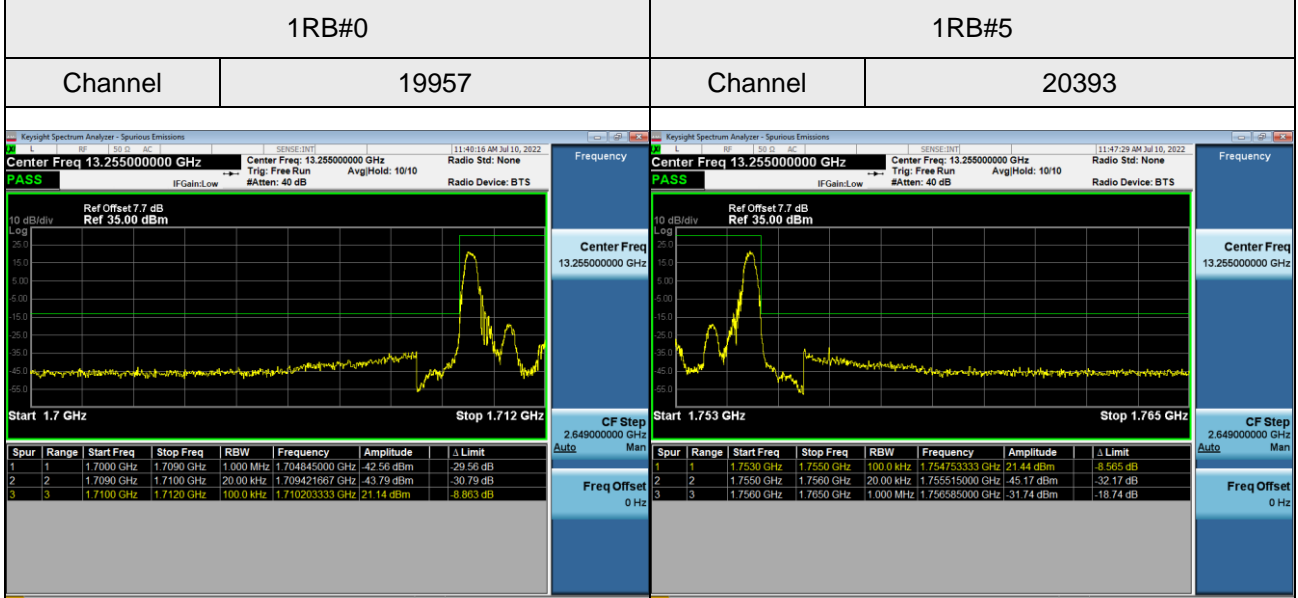
Horizontal



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measurement dBm	Limit dBm	Margin dB	Detector	Comment
1 *	20605.250	-56.75	6.42	-50.33	-25.00	-25.33	peak	

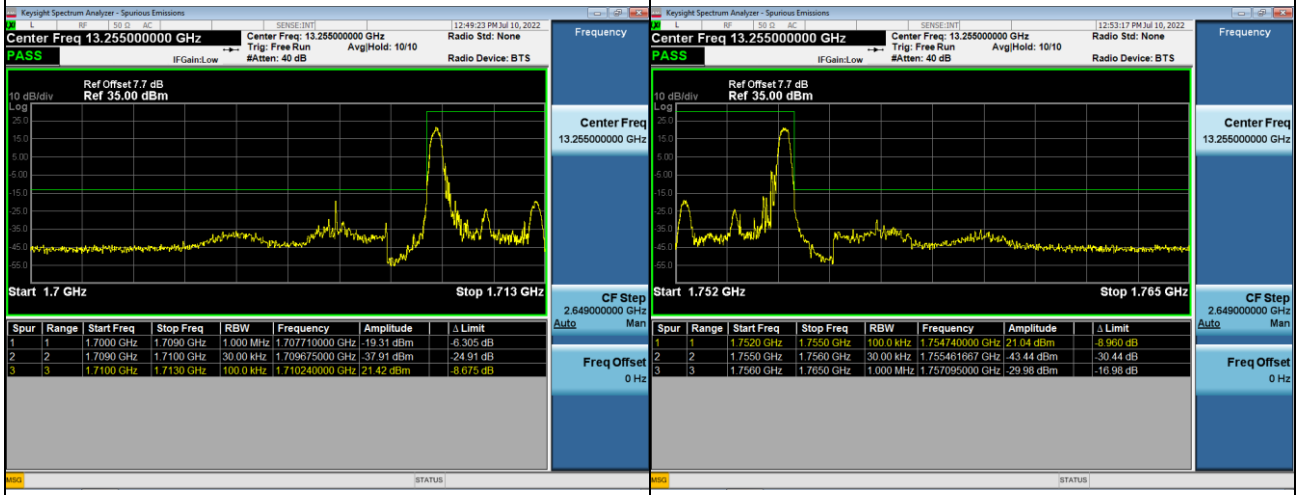
APPENDIX G - BAND EDGE

LTE Band 4_1.4MHz Spectrum Plot



LTE Band 4_3MHz Spectrum Plot

1RB#0	1RB#14		
Channel	19965	Channel	20385



15RB#0

Channel	19965	Channel	20385
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