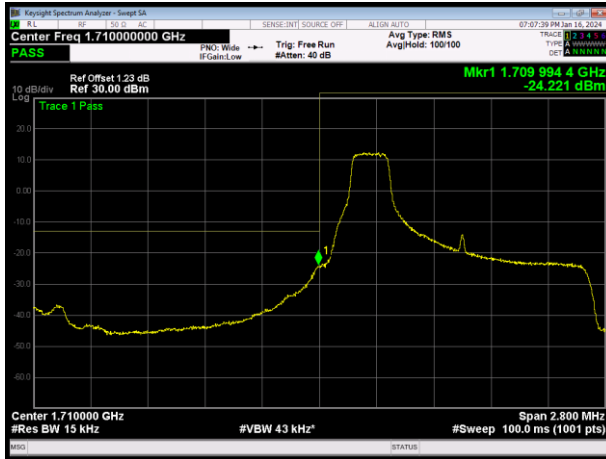


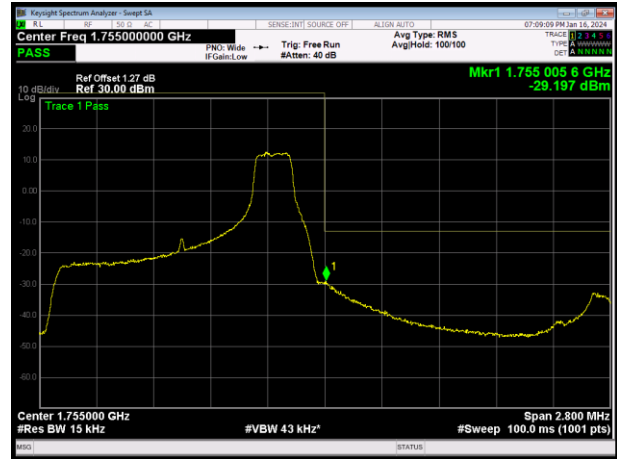
6.3 Band Edge Compliance

All the test traces in the plots shows the test results clearly.

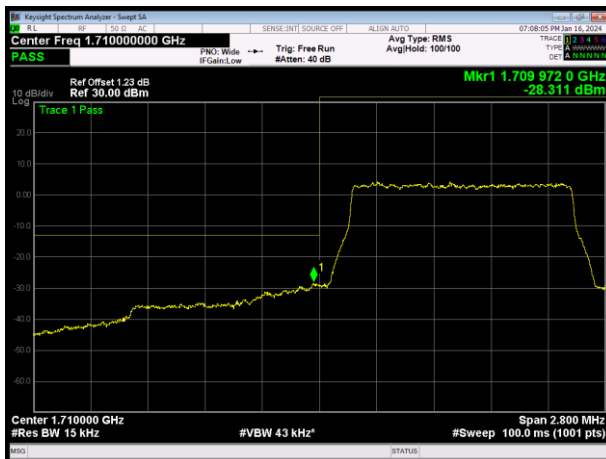
LTE Band 4 QPSK 1.4MHz CH-Low, 1 RB



LTE Band 4 QPSK 1.4MHz CH-High, 1 RB



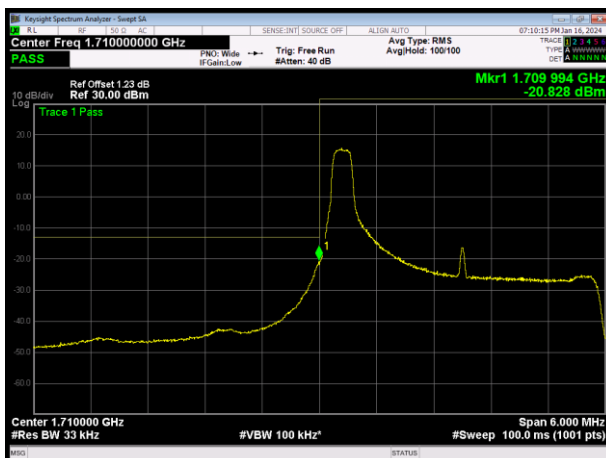
LTE Band 4 QPSK 1.4MHz CH-Low, 100%RB



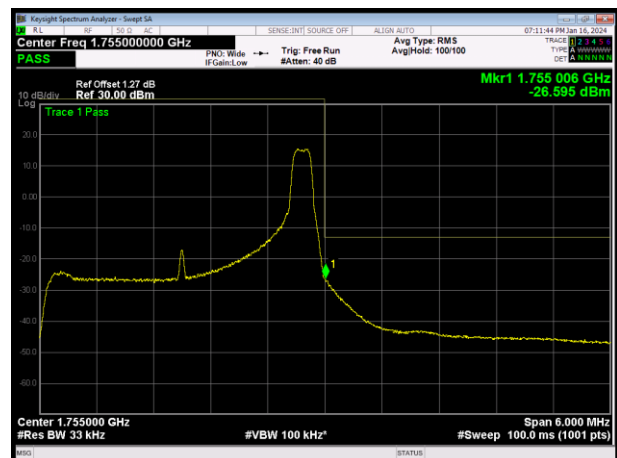
LTE Band 4 QPSK 1.4MHz CH-High, 100%RB



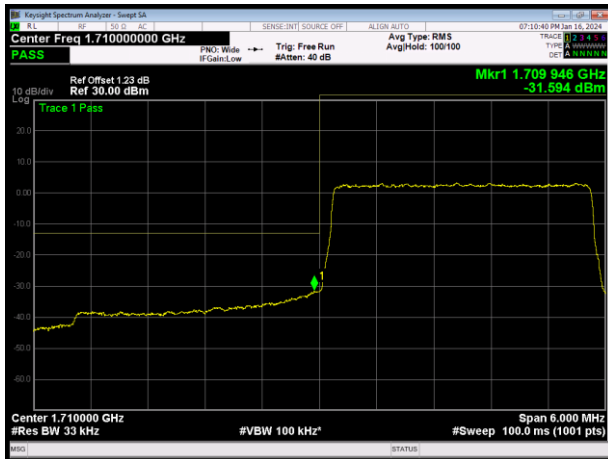
LTE Band 4 QPSK 3MHz CH-Low, 1 RB



LTE Band 4 QPSK 3MHz CH-High, 1 RB



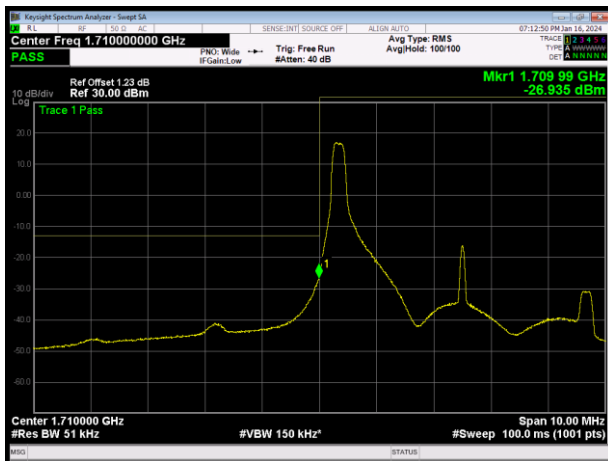
LTE Band 4 QPSK 3MHz CH-Low, 100%RB



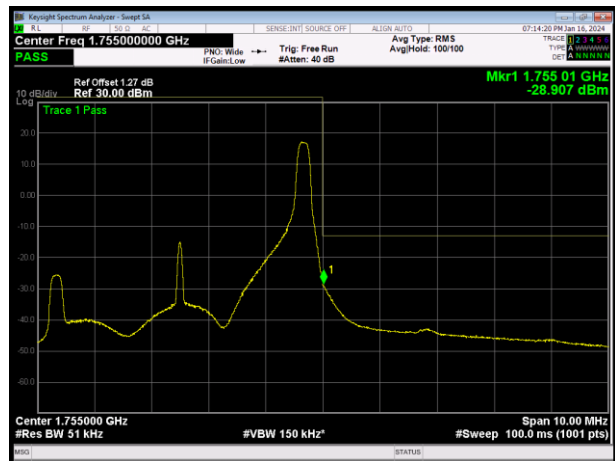
LTE Band 4 QPSK 3MHz CH-High, 100%RB



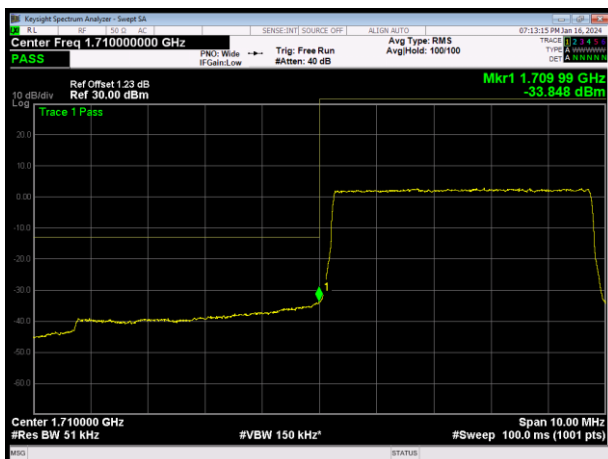
LTE Band 4 QPSK 5MHz CH-Low, 1 RB



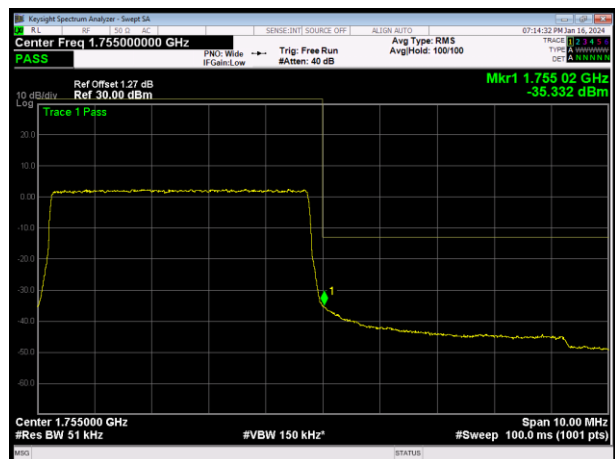
LTE Band 4 QPSK 5MHz CH-High, 1 RB



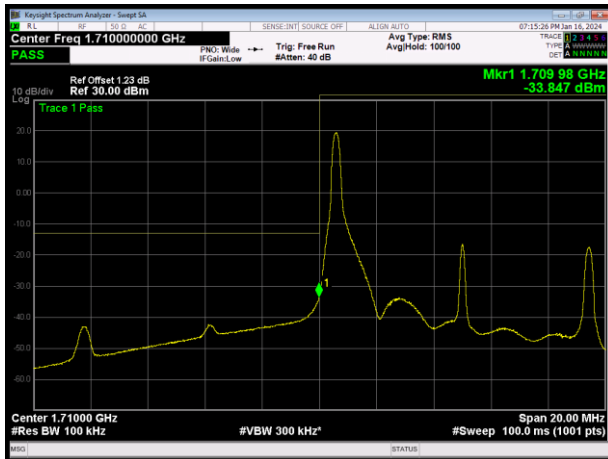
LTE Band 4 QPSK 5MHz CH-Low, 100%RB



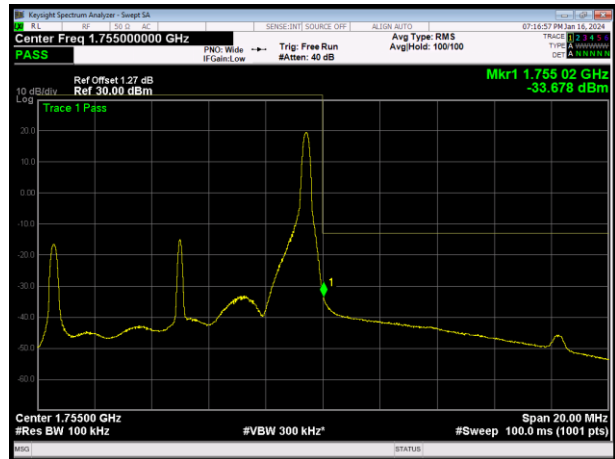
LTE Band 4 QPSK 5MHz CH-High, 100%RB



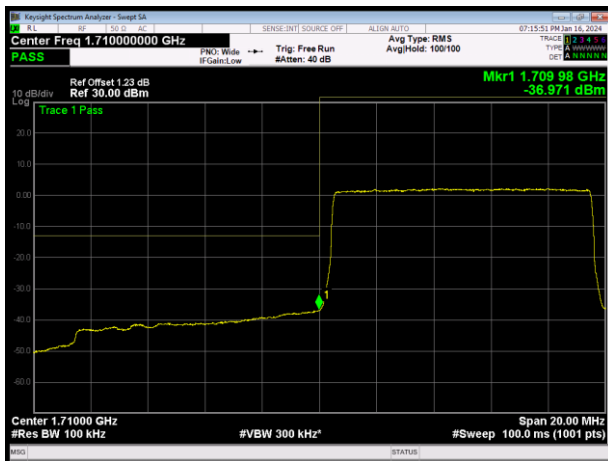
LTE Band 4 QPSK 10MHz CH-Low, 1 RB



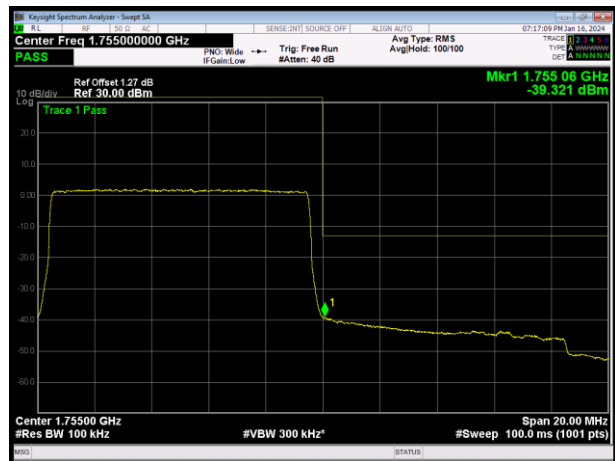
LTE Band 4 QPSK 10MHz CH-High, 1 RB



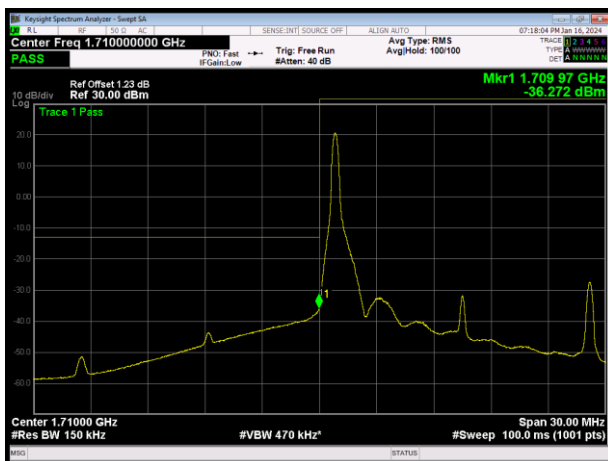
LTE Band 4 QPSK 10MHz CH-Low, 100%RB



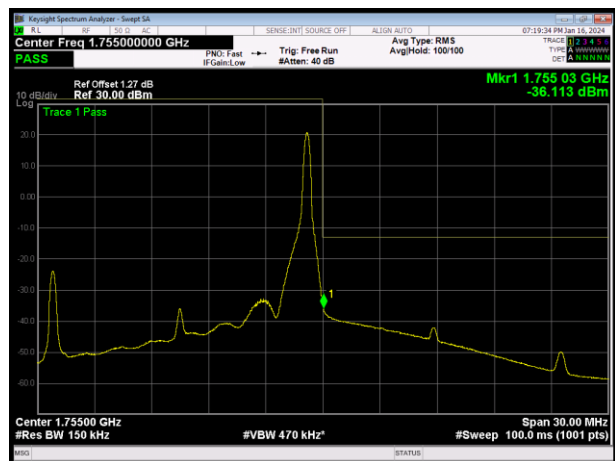
LTE Band 4 QPSK 10MHz CH-High, 100%RB



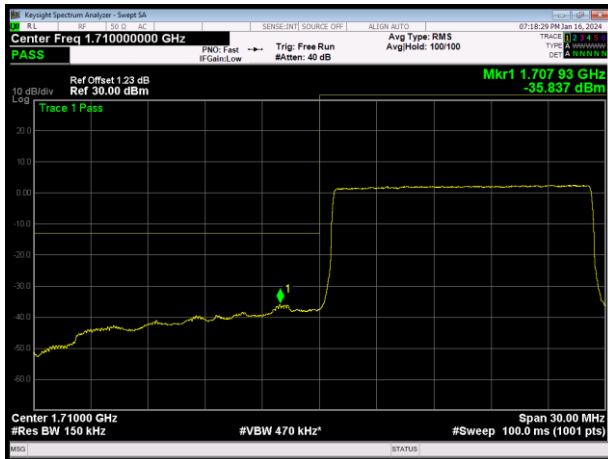
LTE Band 4 QPSK 15MHz CH-Low, 1 RB



LTE Band 4 QPSK 15MHz CH-High, 1 RB



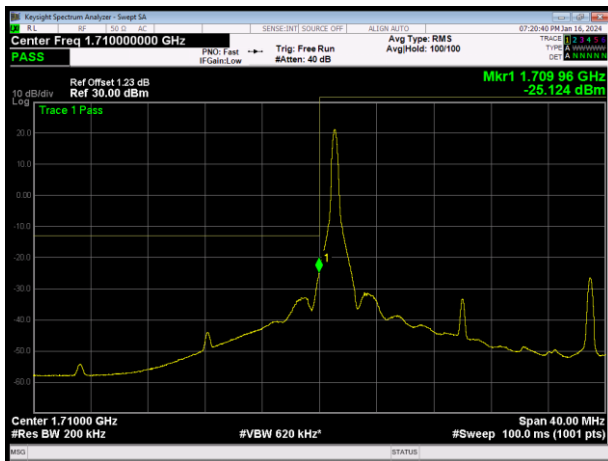
LTE Band 4 QPSK 15MHz CH-Low, 100%RB



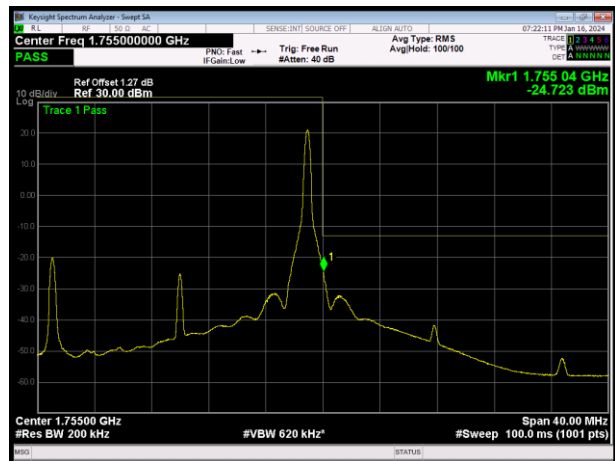
LTE Band 4 QPSK 15MHz CH-High, 100%RB



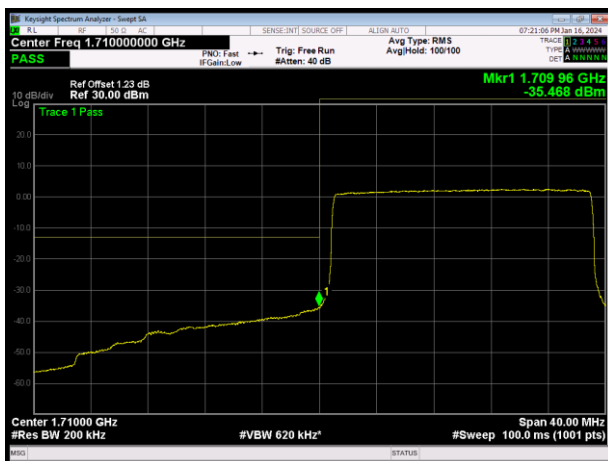
LTE Band 4 QPSK 20MHz CH-Low, 1 RB



LTE Band 4 QPSK 20MHz CH-High, 1 RB



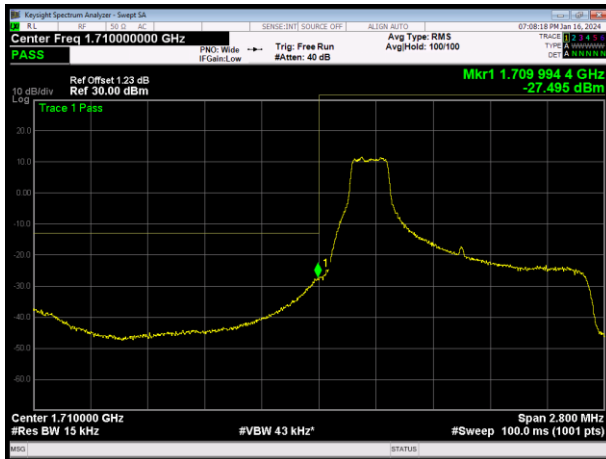
LTE Band 4 QPSK 20MHz CH-Low, 100%RB



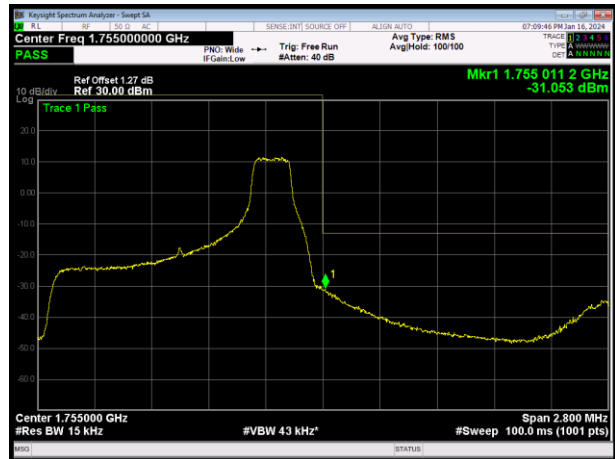
LTE Band 4 QPSK 20MHz CH-High, 100%RB



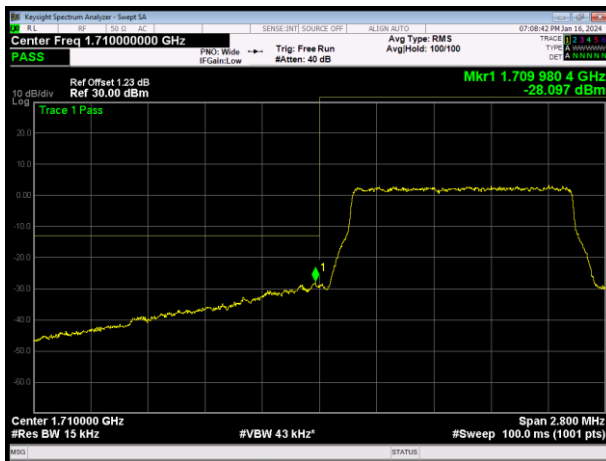
LTE Band 4 16QAM 1.4MHz CH-Low, 1 RB



LTE Band 4 16QAM 1.4MHz CH-High, 1 RB



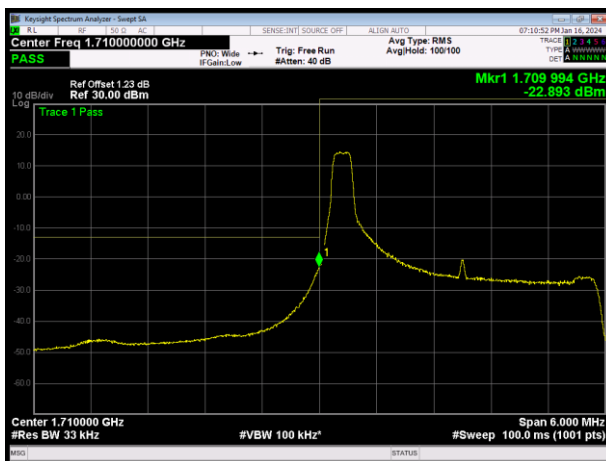
LTE Band 4 16QAM 1.4MHz CH-Low, 100%RB



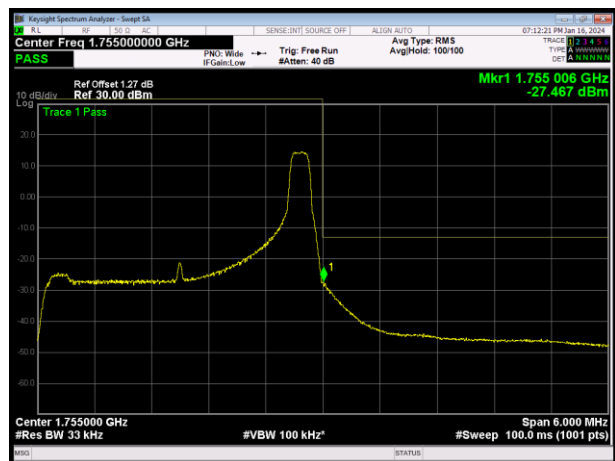
LTE Band 4 16QAM 1.4MHz CH-High, 100%RB



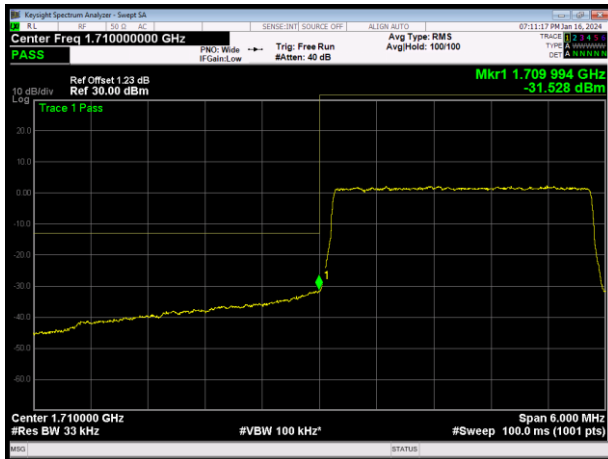
LTE Band 4 16QAM 3MHz CH-Low, 1 RB



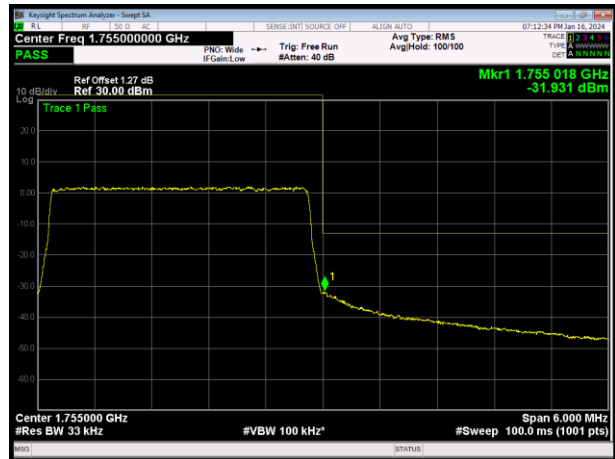
LTE Band 4 16QAM 3MHz CH-High, 1 RB



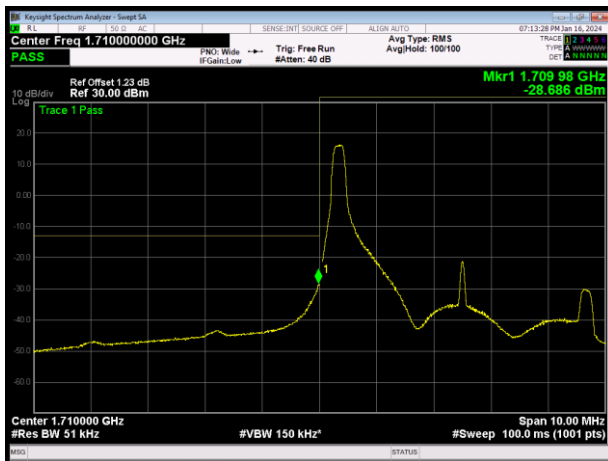
LTE Band 4 16QAM 3MHz CH-Low, 100%RB



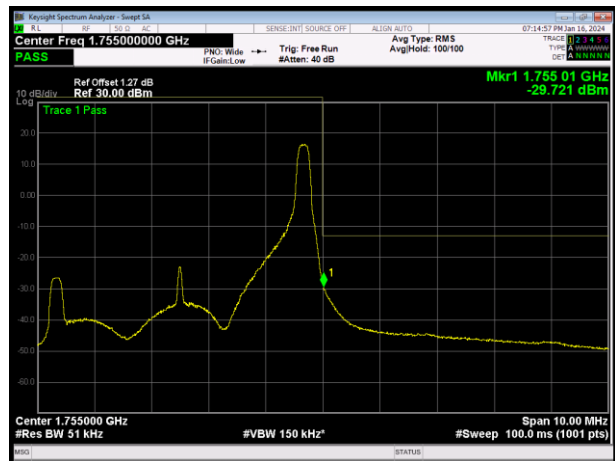
LTE Band 4 16QAM 3MHz CH-High, 100%RB



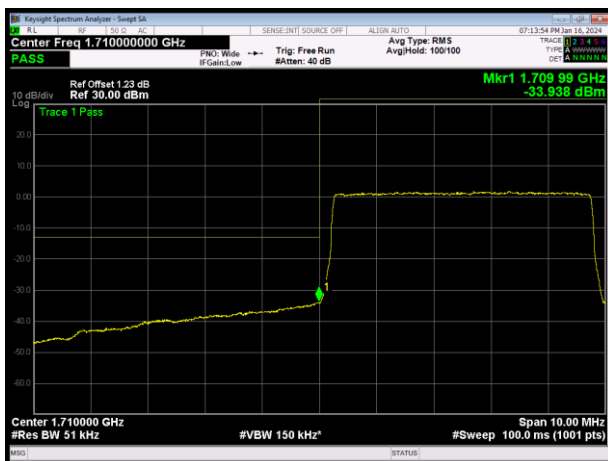
LTE Band 4 16QAM 5MHz CH-Low, 1 RB



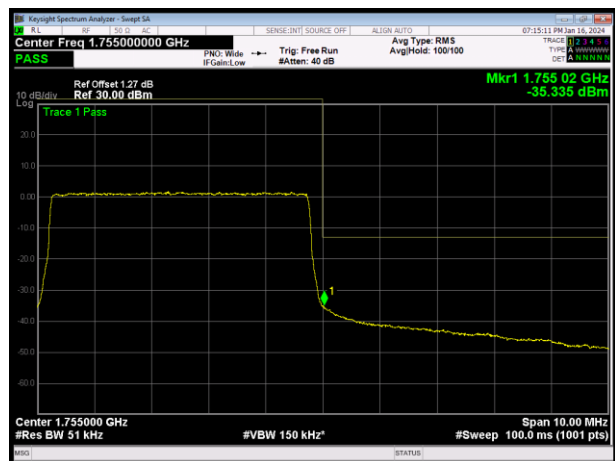
LTE Band 4 16QAM 5MHz CH-High, 1 RB



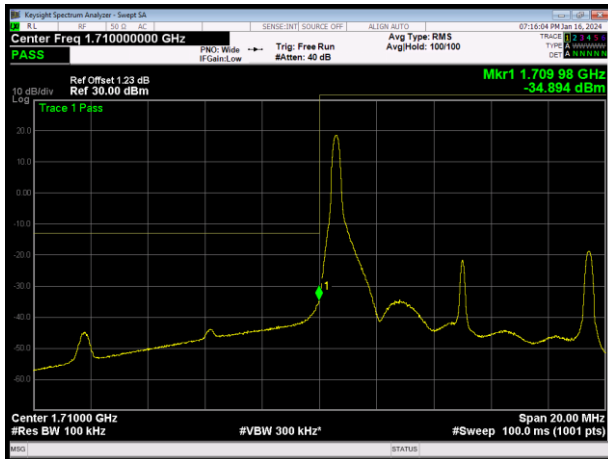
LTE Band 4 16QAM 5MHz CH-Low, 100%RB



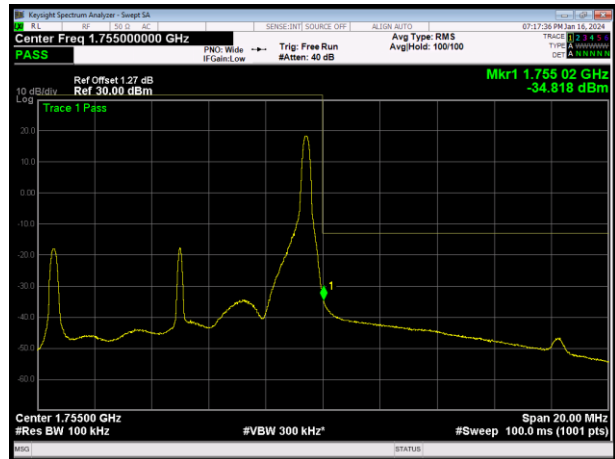
LTE Band 4 16QAM 5MHz CH-High, 100%RB



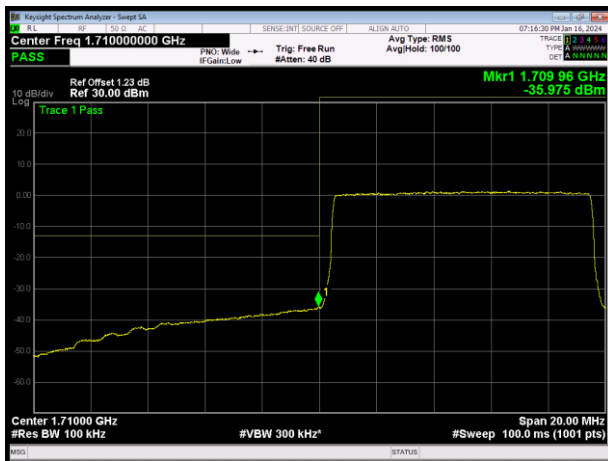
LTE Band 4 16QAM 10MHz CH-Low, 1 RB



LTE Band 4 16QAM 10MHz CH-High, 1 RB



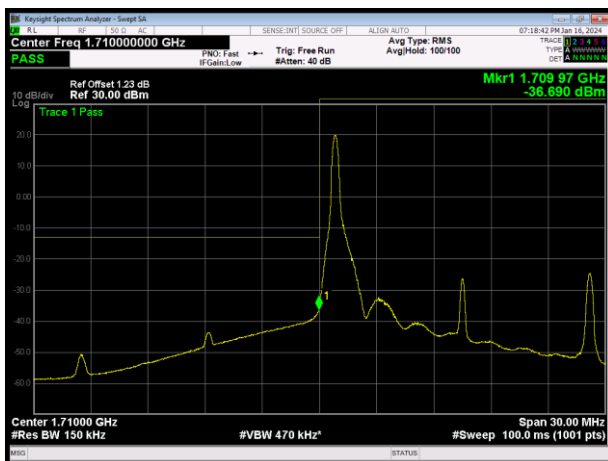
LTE Band 4 16QAM 10MHz CH-Low, 100%RB



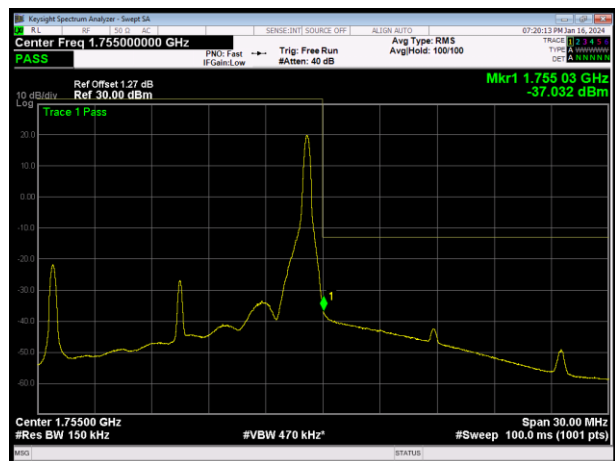
LTE Band 4 16QAM 10MHz CH-High, 100%RB



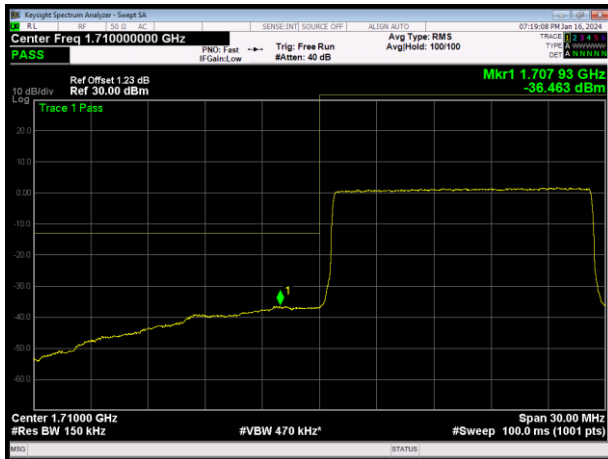
LTE Band 4 16QAM 15MHz CH-Low, 1 RB



LTE Band 4 16QAM 15MHz CH-High, 1 RB



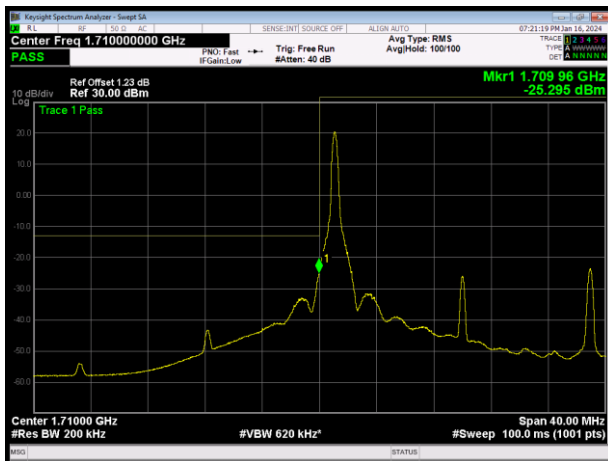
LTE Band 4 16QAM 15MHz CH-Low, 100%RB



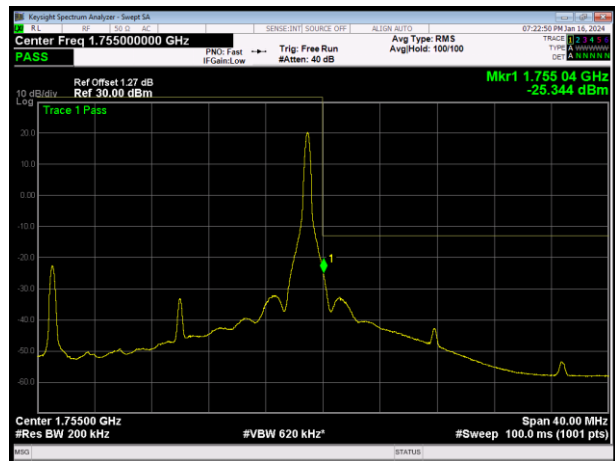
LTE Band 4 16QAM 15MHz CH-High, 100%RB



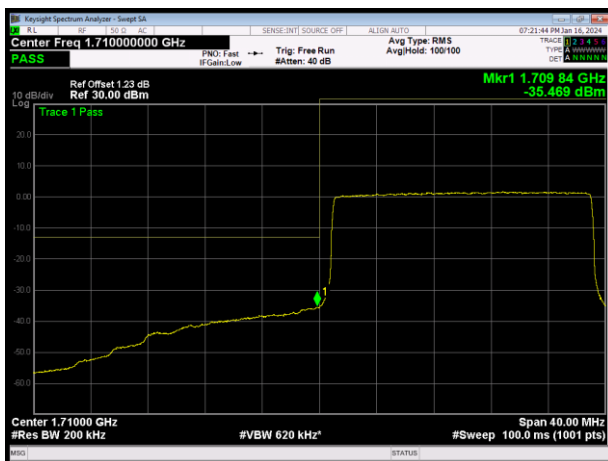
LTE Band 4 16QAM 20MHz CH-Low, 1 RB



LTE Band 4 16QAM 20MHz CH-High, 1 RB



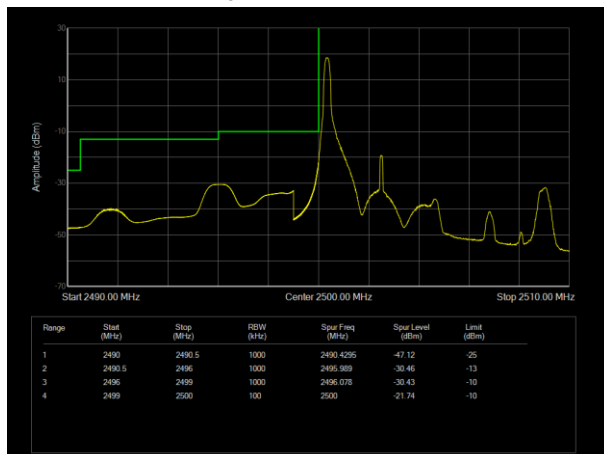
LTE Band 4 16QAM 20MHz CH-Low, 100%RB



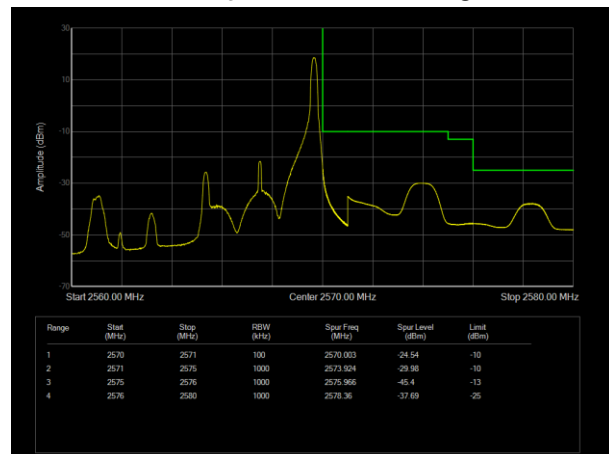
LTE Band 4 16QAM 20MHz CH-High, 100%RB



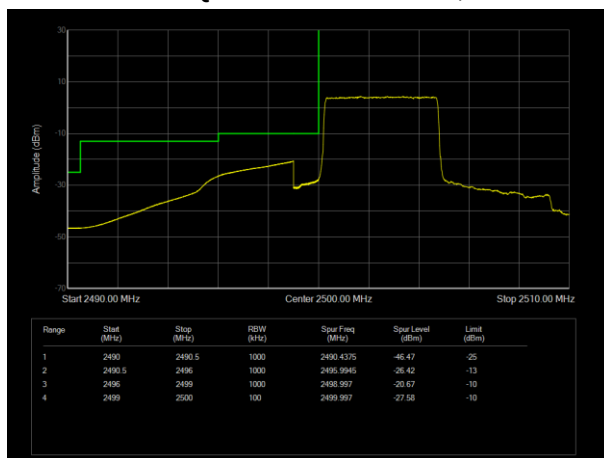
LTE Band 7 QPSK 5MHz CH-Low, 1 RB



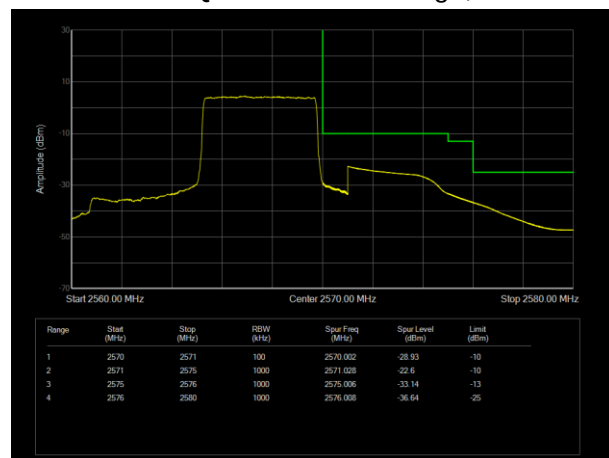
LTE Band 7 QPSK 5MHz CH-High, 1 RB



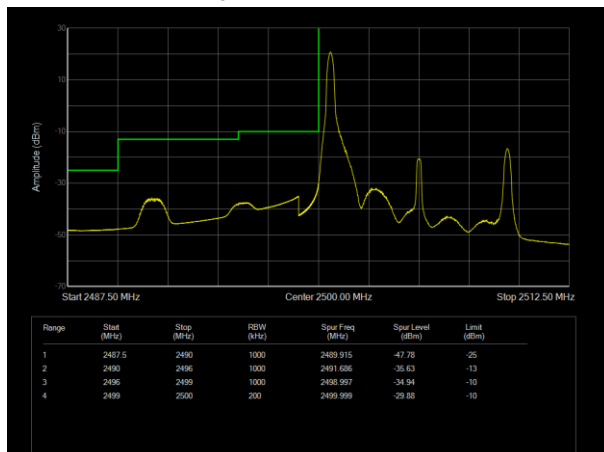
LTE Band 7 QPSK 5MHz CH-Low, 100%RB



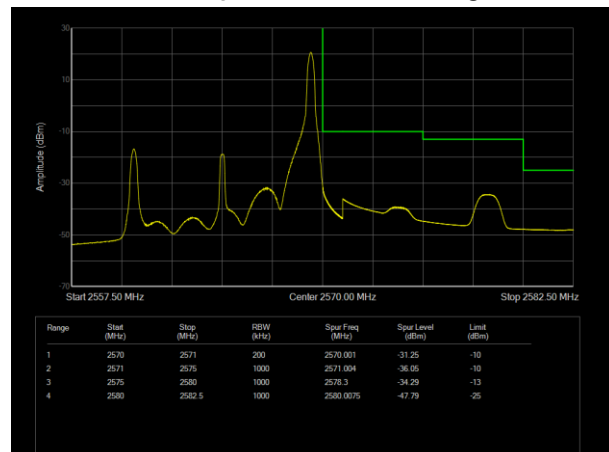
LTE Band 7 QPSK 5MHz CH-High, 100%RB



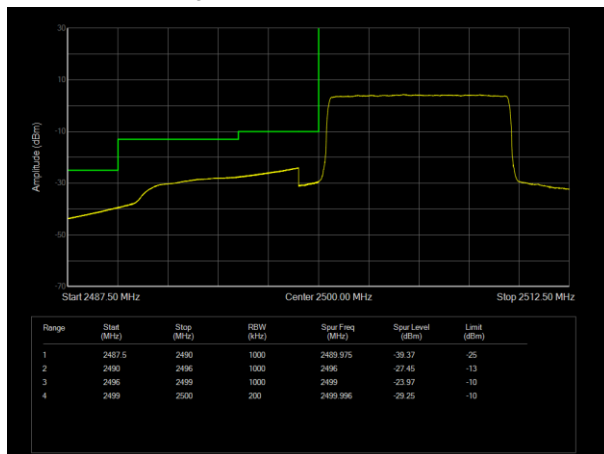
LTE Band 7 QPSK 10MHz CH-Low, 1 RB



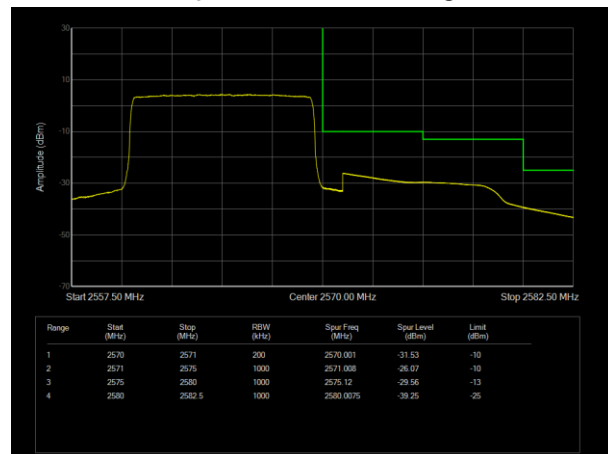
LTE Band 7 QPSK 10MHz CH-High, 1 RB



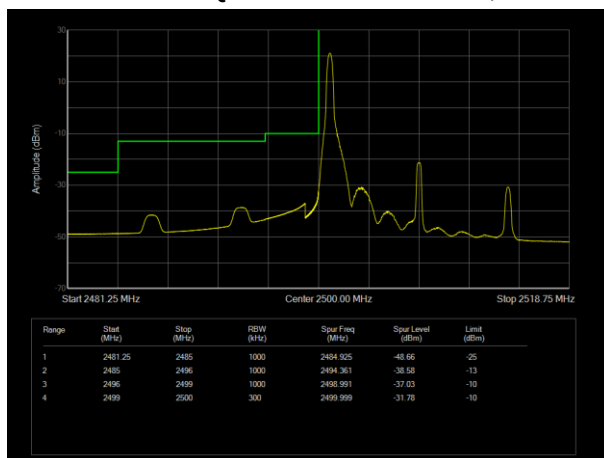
LTE Band 7 QPSK 10MHz CH-Low, 100%RB



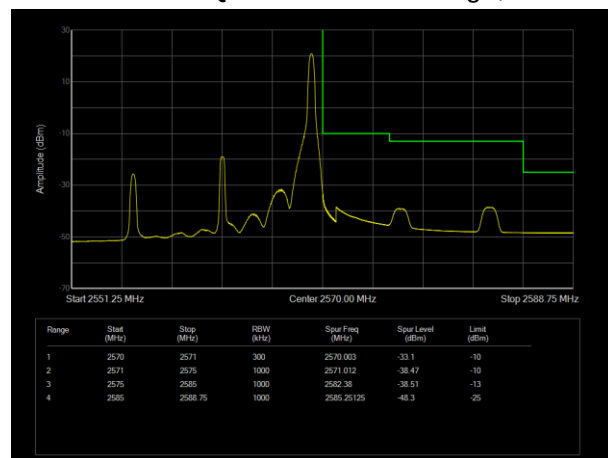
LTE Band 7 QPSK 10MHz CH-High, 100%RB



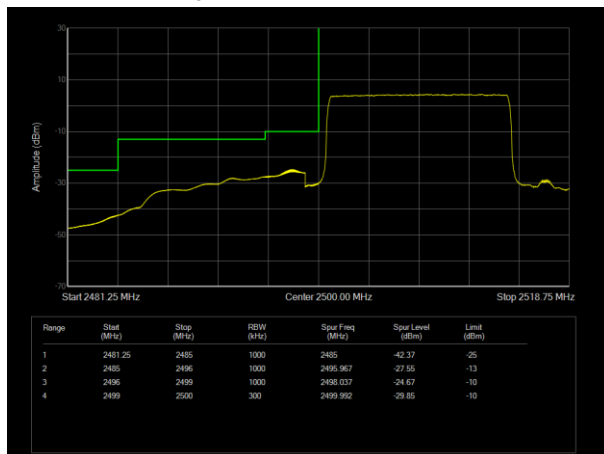
LTE Band 7 QPSK 15MHz CH-Low, 1 RB



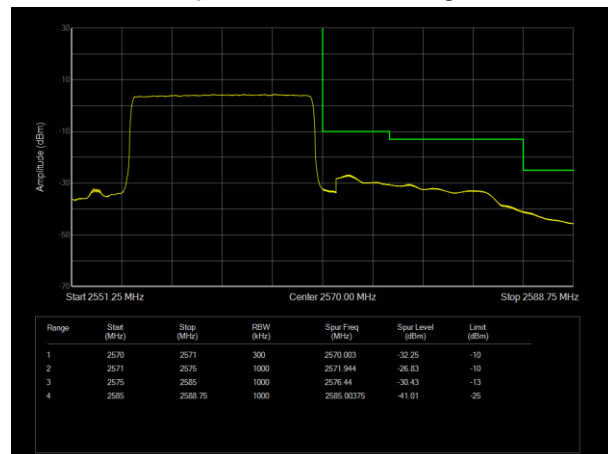
LTE Band 7 QPSK 15MHz CH-High, 1 RB



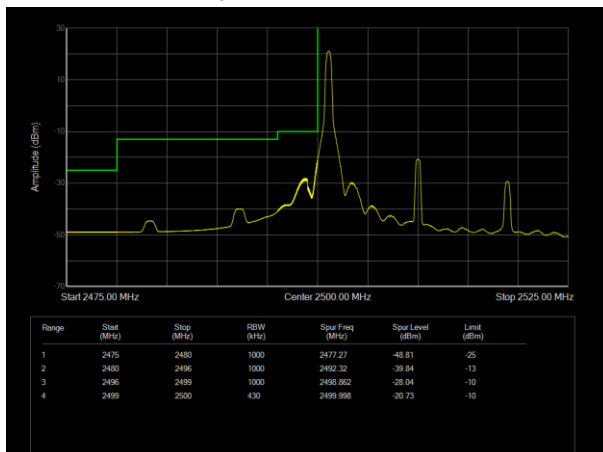
LTE Band 7 QPSK 15MHz CH-Low, 100%RB



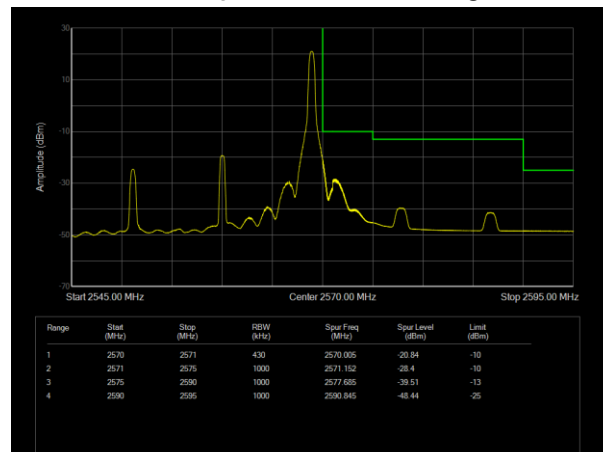
LTE Band 7 QPSK 15MHz CH-High, 100%RB



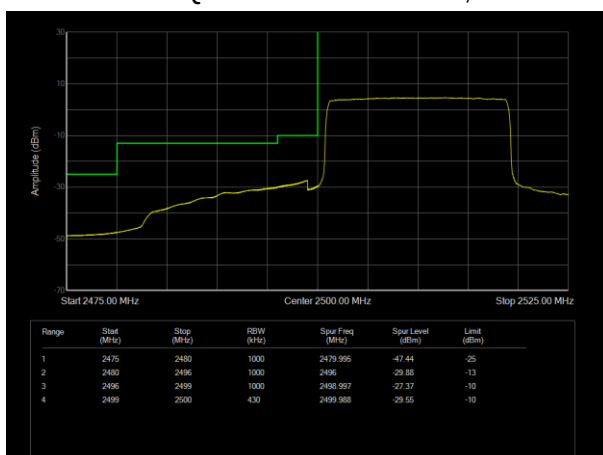
LTE Band 7 QPSK 20MHz CH-Low, 1 RB



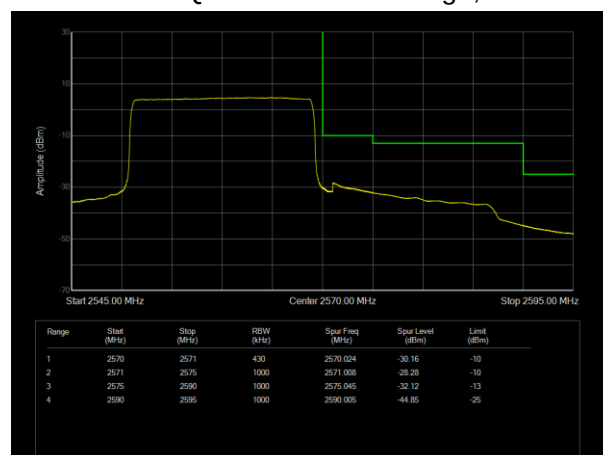
LTE Band 7 QPSK 20MHz CH-High, 1 RB



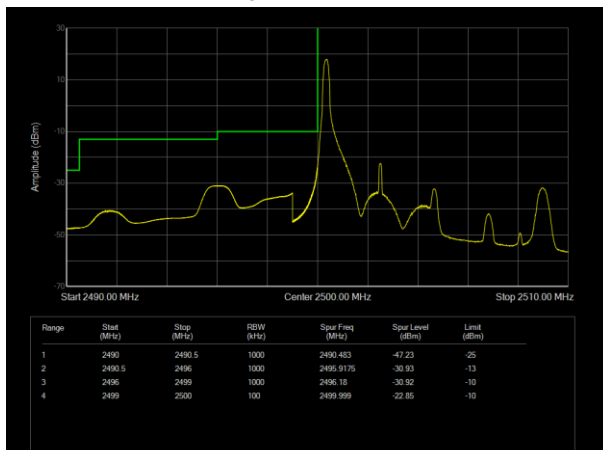
LTE Band 7 QPSK 20MHz CH-Low, 100%RB



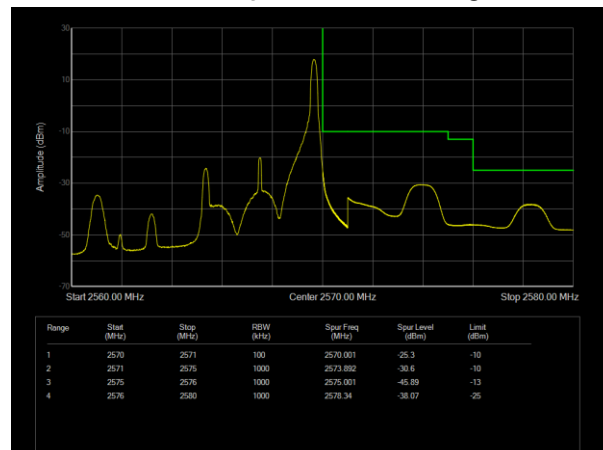
LTE Band 7 QPSK 20MHz CH-High, 100%RB



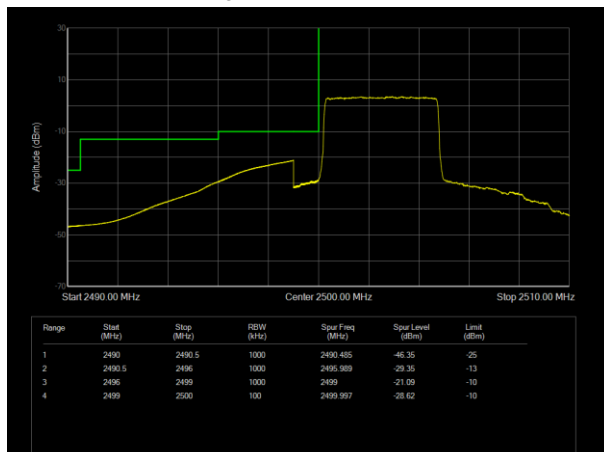
LTE Band 7 16QAM 5MHz CH-Low, 1 RB



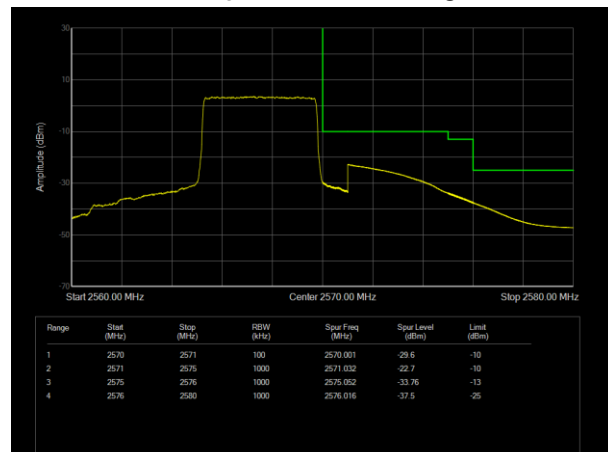
LTE Band 7 16QAM 5MHz CH-High, 1 RB



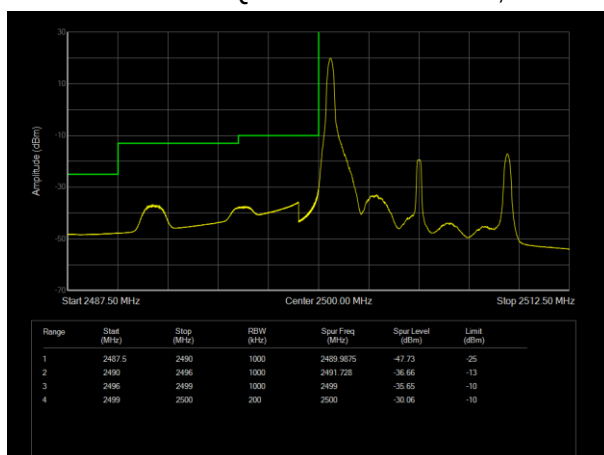
LTE Band 7 16QAM 5MHz CH-Low, 100%RB



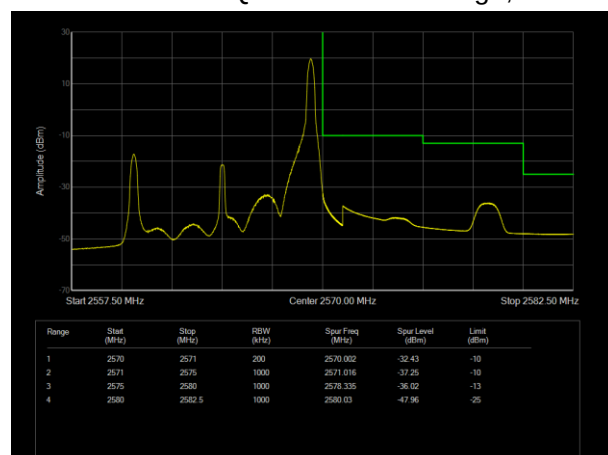
LTE Band 7 16QAM 5MHz CH-High, 100%RB



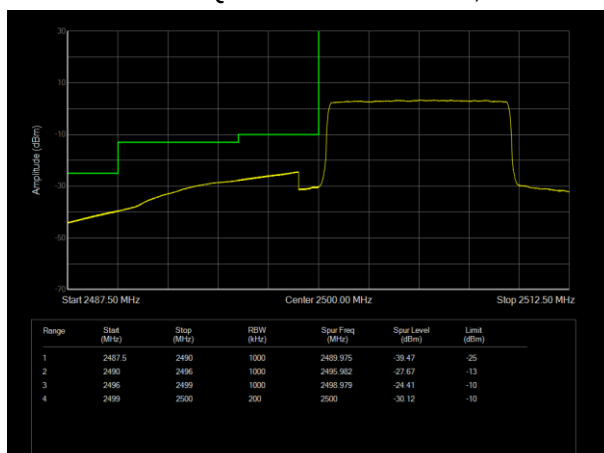
LTE Band 7 16QAM 10MHz CH-Low, 1 RB



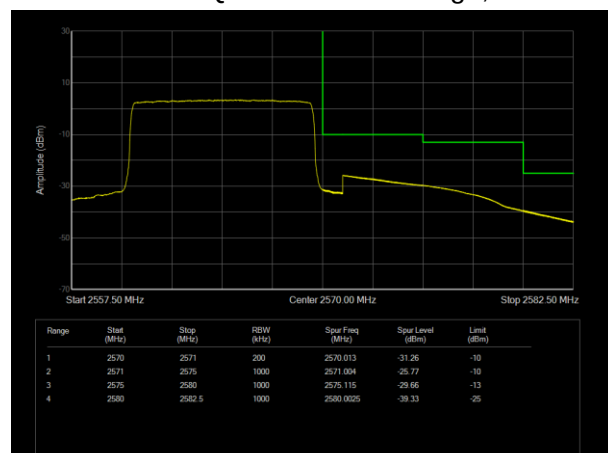
LTE Band 7 16QAM 10MHz CH-High, 1 RB



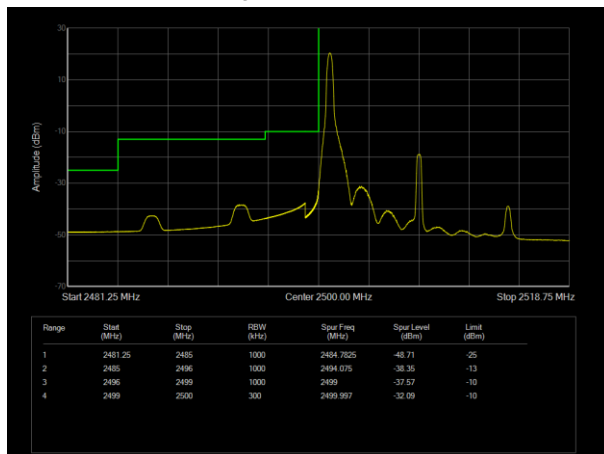
LTE Band 7 16QAM 10MHz CH-Low, 100%RB



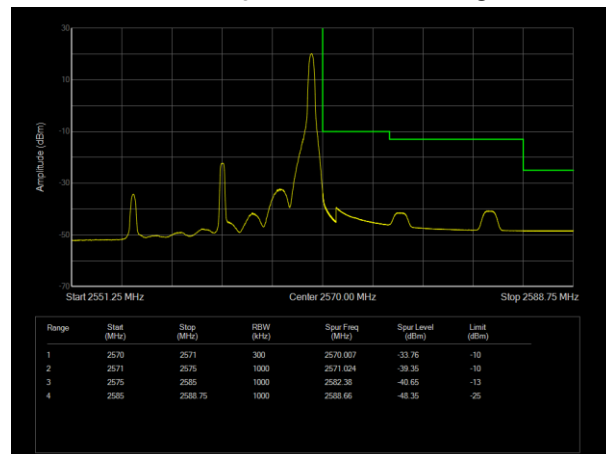
LTE Band 7 16QAM 10MHz CH-High, 100%RB



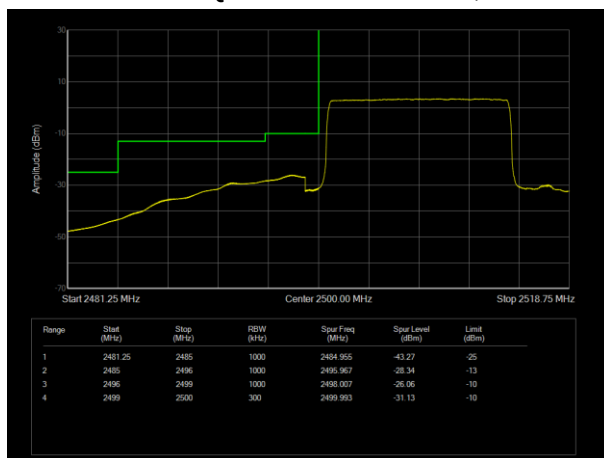
LTE Band 7 16QAM 15MHz CH-Low, 1 RB



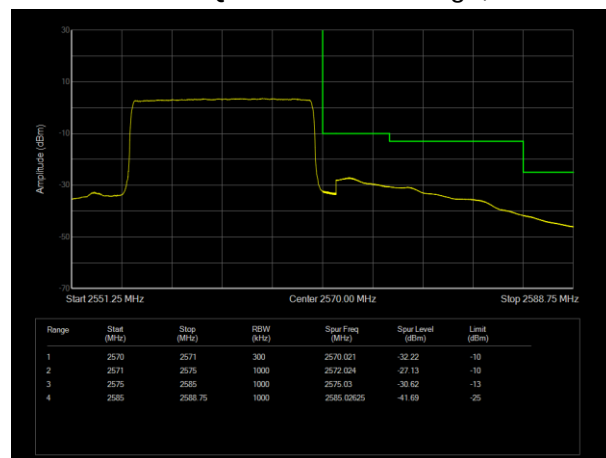
LTE Band 7 16QAM 15MHz CH-High, 1 RB



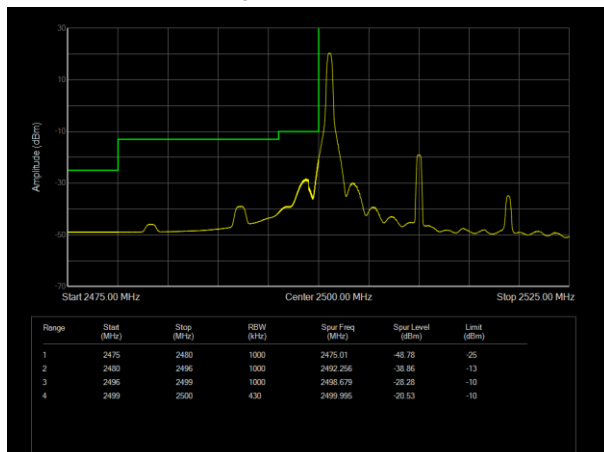
LTE Band 7 16QAM 15MHz CH-Low, 100%RB



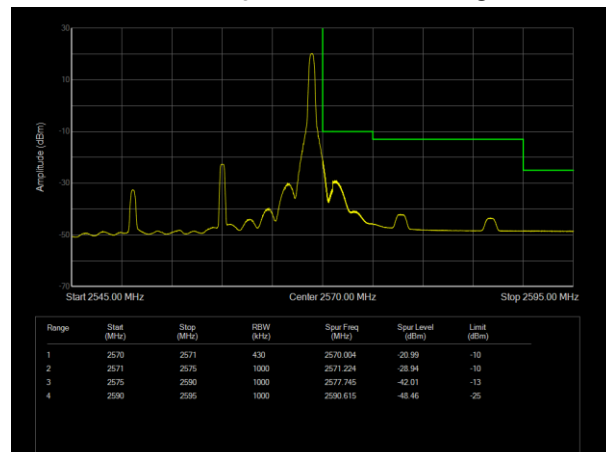
LTE Band 7 16QAM 15MHz CH-High, 100%RB



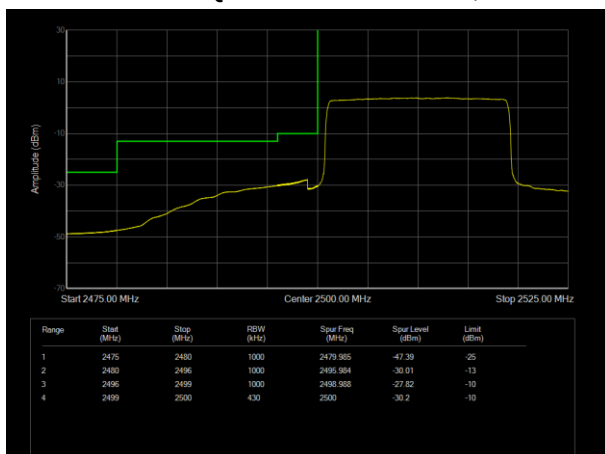
LTE Band 7 16QAM 20MHz CH-Low, 1 RB



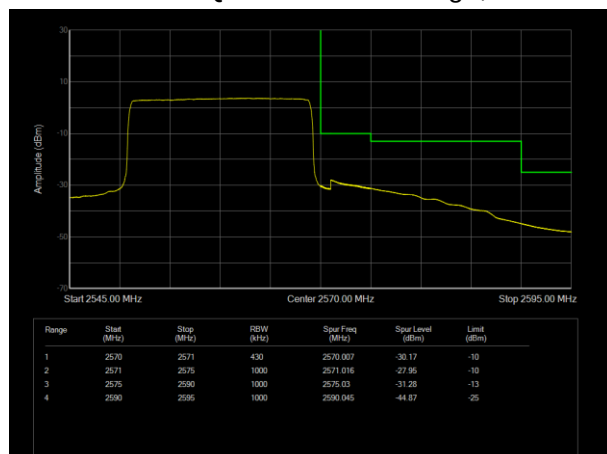
LTE Band 7 16QAM 20MHz CH-High, 1 RB



LTE Band 7 16QAM 20MHz CH-Low, 100%RB



LTE Band 7 16QAM 20MHz CH-High, 100%RB



6.4 Peak-to-Average Power Ratio (PAPR)

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
LTE Band4	1.4	19957	6	#0	QPSK	5.24	≤13	PASS
LTE Band4	1.4	19957	6	#0	16QAM	6.03	≤13	PASS
LTE Band4	1.4	20175	6	#0	QPSK	5.37	≤13	PASS
LTE Band4	1.4	20175	6	#0	16QAM	6.26	≤13	PASS
LTE Band4	1.4	20393	6	#0	QPSK	5.63	≤13	PASS
LTE Band4	1.4	20393	6	#0	16QAM	6.39	≤13	PASS
LTE Band4	3	19965	15	#0	QPSK	5.33	≤13	PASS
LTE Band4	3	19965	15	#0	16QAM	6.17	≤13	PASS
LTE Band4	3	20175	15	#0	QPSK	5.40	≤13	PASS
LTE Band4	3	20175	15	#0	16QAM	6.25	≤13	PASS
LTE Band4	3	20385	15	#0	QPSK	5.65	≤13	PASS
LTE Band4	3	20385	15	#0	16QAM	6.41	≤13	PASS
LTE Band4	5	19975	25	#0	QPSK	5.37	≤13	PASS
LTE Band4	5	19975	25	#0	16QAM	6.16	≤13	PASS
LTE Band4	5	20175	25	#0	QPSK	5.48	≤13	PASS
LTE Band4	5	20175	25	#0	16QAM	6.22	≤13	PASS
LTE Band4	5	20375	25	#0	QPSK	5.67	≤13	PASS
LTE Band4	5	20375	25	#0	16QAM	6.43	≤13	PASS
LTE Band4	10	20000	50	#0	QPSK	5.55	≤13	PASS
LTE Band4	10	20000	50	#0	16QAM	6.37	≤13	PASS
LTE Band4	10	20175	50	#0	QPSK	5.56	≤13	PASS
LTE Band4	10	20175	50	#0	16QAM	6.38	≤13	PASS
LTE Band4	10	20350	50	#0	QPSK	5.71	≤13	PASS
LTE Band4	10	20350	50	#0	16QAM	6.47	≤13	PASS
LTE Band4	15	20025	75	#0	QPSK	5.84	≤13	PASS
LTE Band4	15	20025	75	#0	16QAM	6.42	≤13	PASS
LTE Band4	15	20175	75	#0	QPSK	5.85	≤13	PASS
LTE Band4	15	20175	75	#0	16QAM	6.42	≤13	PASS
LTE Band4	15	20325	75	#0	QPSK	6.01	≤13	PASS
LTE Band4	15	20325	75	#0	16QAM	6.53	≤13	PASS
LTE Band4	20	20050	100	#0	QPSK	5.57	≤13	PASS
LTE Band4	20	20050	100	#0	16QAM	6.38	≤13	PASS
LTE Band4	20	20175	100	#0	QPSK	5.61	≤13	PASS
LTE Band4	20	20175	100	#0	16QAM	6.40	≤13	PASS
LTE Band4	20	20300	100	#0	QPSK	5.72	≤13	PASS
LTE Band4	20	20300	100	#0	16QAM	6.47	≤13	PASS

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
LTE Band7	5	20775	25	#0	QPSK	4.70	13	PASS
LTE Band7	5	20775	25	#0	16QAM	5.51	13	PASS
LTE Band7	5	21100	25	#0	QPSK	5.35	13	PASS
LTE Band7	5	21100	25	#0	16QAM	6.16	13	PASS
LTE Band7	5	21425	25	#0	QPSK	4.90	13	PASS
LTE Band7	5	21425	25	#0	16QAM	5.73	13	PASS
LTE Band7	10	20800	50	#0	QPSK	4.98	13	PASS
LTE Band7	10	20800	50	#0	16QAM	5.85	13	PASS
LTE Band7	10	21100	50	#0	QPSK	5.44	13	PASS
LTE Band7	10	21100	50	#0	16QAM	6.25	13	PASS
LTE Band7	10	21400	50	#0	QPSK	5.17	13	PASS
LTE Band7	10	21400	50	#0	16QAM	6.02	13	PASS
LTE Band7	15	20825	75	#0	QPSK	5.37	13	PASS
LTE Band7	15	20825	75	#0	16QAM	6.03	13	PASS
LTE Band7	15	21100	75	#0	QPSK	5.77	13	PASS
LTE Band7	15	21100	75	#0	16QAM	6.32	13	PASS
LTE Band7	15	21375	75	#0	QPSK	5.56	13	PASS
LTE Band7	15	21375	75	#0	16QAM	6.12	13	PASS
LTE Band7	20	20850	100	#0	QPSK	5.30	13	PASS
LTE Band7	20	20850	100	#0	16QAM	6.08	13	PASS
LTE Band7	20	21100	100	#0	QPSK	5.55	13	PASS
LTE Band7	20	21100	100	#0	16QAM	6.32	13	PASS
LTE Band7	20	21350	100	#0	QPSK	5.40	13	PASS
LTE Band7	20	21350	100	#0	16QAM	6.20	13	PASS

6.5 Frequency Stability

	Condition		Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	1.4MHz					
LTE Band 4	Temperature	Voltage	16QAM	QPSK	16QAM	QPSK	
	Normal (25°C)	Normal	10.48	16.25	0.00605	0.00938	
	Extreme (50°C)		9.70	2.17	0.00560	0.00125	PASS
	Extreme (40°C)		15.29	14.45	0.00883	0.00834	PASS
	Extreme (30°C)		4.48	17.82	0.00259	0.01028	PASS
	Extreme (20°C)		5.31	12.80	0.00307	0.00739	PASS
	Extreme (10°C)		4.16	13.31	0.00240	0.00768	PASS
	Extreme (0°C)		4.81	6.05	0.00278	0.00349	PASS
	Extreme (-10°C)		2.69	16.94	0.00155	0.00978	PASS
	Extreme (-20°C)		4.08	3.46	0.00235	0.00199	PASS
	Extreme (-30°C)		11.48	1.03	0.00662	0.00059	PASS
	25°C	LV	5.65	4.74	0.00326	0.00273	PASS
		HV	13.38	1.04	0.00772	0.00060	PASS
LTE Band 4	Condition		Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	3MHz					
	Temperature	Voltage	16QAM	QPSK	16QAM	QPSK	
	Normal (25°C)	Normal	13.65	14.70	0.00788	0.00848	
	Extreme (50°C)		15.36	13.08	0.00887	0.00755	PASS
	Extreme (40°C)		4.68	14.74	0.00270	0.00851	PASS
	Extreme (30°C)		1.60	10.91	0.00092	0.00629	PASS
	Extreme (20°C)		14.89	12.07	0.00859	0.00697	PASS
	Extreme (10°C)		3.96	1.33	0.00228	0.00077	PASS
	Extreme (0°C)		17.34	5.33	0.01001	0.00308	PASS
	Extreme (-10°C)		6.80	1.20	0.00393	0.00069	PASS
	Extreme (-20°C)		10.87	16.90	0.00628	0.00975	PASS
	Extreme (-30°C)		12.49	6.36	0.00721	0.00367	PASS
	25°C	LV	15.00	2.17	0.00866	0.00126	PASS
		HV	17.87	17.24	0.01031	0.00995	PASS

	Condition		Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	5MHz					
LTE Band 4	Temperature	Voltage	16QAM	QPSK	16QAM	QPSK	
	Normal (25°C)	Normal	13.17	8.78	0.00760	0.00507	PASS
	Extreme (50°C)		1.75	17.99	0.00101	0.01038	PASS
	Extreme (40°C)		17.18	5.85	0.00992	0.00338	PASS
	Extreme (30°C)		14.81	10.94	0.00855	0.00632	PASS
	Extreme (20°C)		2.99	3.90	0.00173	0.00225	PASS
	Extreme (10°C)		5.49	5.68	0.00317	0.00328	PASS
	Extreme (0°C)		5.14	7.66	0.00297	0.00442	PASS
	Extreme (-10°C)		14.01	15.75	0.00809	0.00909	PASS
	Extreme (-20°C)		8.83	14.87	0.00510	0.00859	PASS
	Extreme (-30°C)		8.23	16.82	0.00475	0.00971	PASS
	25°C	LV	8.77	2.72	0.00506	0.00157	PASS
		HV	2.26	9.54	0.00130	0.00550	PASS
	Condition		Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	10MHz					
LTE Band 4	Temperature	Voltage	16QAM	QPSK	16QAM	QPSK	
	Normal (25°C)	Normal	17.18	1.93	0.00992	0.00111	PASS
	Extreme (50°C)		5.46	15.73	0.00315	0.00908	PASS
	Extreme (40°C)		2.28	17.84	0.00132	0.01030	PASS
	Extreme (30°C)		4.75	10.78	0.00274	0.00622	PASS
	Extreme (20°C)		9.73	12.08	0.00561	0.00697	PASS
	Extreme (10°C)		7.79	11.90	0.00450	0.00687	PASS
	Extreme (0°C)		15.18	2.24	0.00876	0.00129	PASS
	Extreme (-10°C)		1.59	13.25	0.00092	0.00765	PASS
	Extreme (-20°C)		8.82	9.69	0.00509	0.00560	PASS
	Extreme (-30°C)		8.56	15.47	0.00494	0.00893	PASS
	25°C	LV	10.47	11.62	0.00605	0.00671	PASS
		HV	14.86	3.66	0.00858	0.00211	PASS

	Condition		Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	15MHz					
LTE Band 4	Temperature	Voltage	16QAM	QPSK	16QAM	QPSK	
	Normal (25°C)	Normal	17.49	11.15	0.01010	0.00643	
	Extreme (50°C)		9.56	7.68	0.00552	0.00443	PASS
	Extreme (40°C)		10.72	1.76	0.00619	0.00101	PASS
	Extreme (30°C)		15.53	8.24	0.00896	0.00476	PASS
	Extreme (20°C)		14.99	8.37	0.00865	0.00483	PASS
	Extreme (10°C)		1.22	7.11	0.00071	0.00411	PASS
	Extreme (0°C)		11.46	3.40	0.00661	0.00196	PASS
	Extreme (-10°C)		7.46	16.31	0.00431	0.00942	PASS
	Extreme (-20°C)		7.45	2.19	0.00430	0.00127	PASS
	Extreme (-30°C)		12.81	14.98	0.00739	0.00864	PASS
	25°C	LV	5.17	14.44	0.00299	0.00834	PASS
		HV	15.04	7.56	0.00868	0.00436	PASS
	Condition		Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	20MHz					
LTE Band 4	Temperature	Voltage	16QAM	QPSK	16QAM	QPSK	
	Normal (25°C)	Normal	1.64	17.97	0.00095	0.01037	
	Extreme (50°C)		4.07	12.77	0.00235	0.00737	PASS
	Extreme (40°C)		7.32	15.23	0.00422	0.00879	PASS
	Extreme (30°C)		5.61	1.69	0.00324	0.00097	PASS
	Extreme (20°C)		13.40	3.53	0.00773	0.00204	PASS
	Extreme (10°C)		13.32	10.00	0.00769	0.00577	PASS
	Extreme (0°C)		13.24	1.87	0.00764	0.00108	PASS
	Extreme (-10°C)		17.43	12.00	0.01006	0.00693	PASS
	Extreme (-20°C)		4.74	16.94	0.00274	0.00977	PASS
	Extreme (-30°C)		5.16	5.22	0.00298	0.00301	PASS
	25°C	LV	13.19	13.82	0.00761	0.00797	PASS
		HV	12.51	17.49	0.00722	0.01010	PASS

	Condition		Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	5MHz					
LTE Band 7	Temperature	Voltage	16QAM	QPSK	16QAM	QPSK	
	Normal (25°C)	Normal	11.98	11.46	0.00473	0.00452	PASS
	Extreme (50°C)		11.50	3.78	0.00454	0.00149	PASS
	Extreme (40°C)		12.10	10.74	0.00477	0.00424	PASS
	Extreme (30°C)		15.91	15.87	0.00628	0.00626	PASS
	Extreme (20°C)		5.43	2.48	0.00214	0.00098	PASS
	Extreme (10°C)		17.48	7.76	0.00689	0.00306	PASS
	Extreme (0°C)		1.57	10.72	0.00062	0.00423	PASS
	Extreme (-10°C)		11.82	4.00	0.00466	0.00158	PASS
	Extreme (-20°C)		1.09	12.91	0.00043	0.00509	PASS
	Extreme (-30°C)		12.24	2.89	0.00483	0.00114	PASS
	25°C	LV	10.26	8.53	0.00405	0.00336	PASS
		HV	2.61	3.97	0.00103	0.00157	PASS
	Condition		Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	10MHz					
LTE Band 7	Temperature	Voltage	16QAM	QPSK	16QAM	QPSK	
	Normal (25°C)	Normal	17.24	13.38	0.00680	0.00528	PASS
	Extreme (50°C)		17.68	14.53	0.00698	0.00573	PASS
	Extreme (40°C)		8.83	10.44	0.00348	0.00412	PASS
	Extreme (30°C)		6.19	15.48	0.00244	0.00611	PASS
	Extreme (20°C)		14.94	14.23	0.00589	0.00561	PASS
	Extreme (10°C)		8.07	1.40	0.00318	0.00055	PASS
	Extreme (0°C)		9.92	4.64	0.00391	0.00183	PASS
	Extreme (-10°C)		2.86	1.10	0.00113	0.00043	PASS
	Extreme (-20°C)		15.39	7.93	0.00607	0.00313	PASS
	Extreme (-30°C)		2.08	16.61	0.00082	0.00655	PASS
	25°C	LV	6.63	6.29	0.00262	0.00248	PASS
		HV	10.16	2.42	0.00401	0.00095	PASS

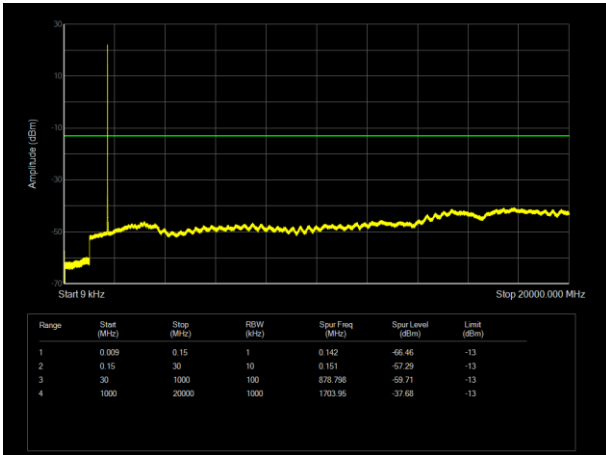
	Condition		Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	15MHz					
LTE Band 7	Temperature	Voltage	16QAM	QPSK	16QAM	QPSK	
	Normal (25°C)	Normal	3.32	5.29	0.00131	0.00208	
	Extreme (50°C)		4.00	1.70	0.00158	0.00067	PASS
	Extreme (40°C)		6.29	6.86	0.00248	0.00271	PASS
	Extreme (30°C)		12.80	17.88	0.00505	0.00705	PASS
	Extreme (20°C)		15.77	14.80	0.00622	0.00584	PASS
	Extreme (10°C)		5.57	2.51	0.00220	0.00099	PASS
	Extreme (0°C)		11.81	2.62	0.00466	0.00103	PASS
	Extreme (-10°C)		17.93	3.75	0.00707	0.00148	PASS
	Extreme (-20°C)		3.20	7.70	0.00126	0.00304	PASS
	Extreme (-30°C)		10.50	2.40	0.00414	0.00095	PASS
	25°C	LV	17.78	10.73	0.00702	0.00423	PASS
		HV	10.71	14.67	0.00423	0.00579	PASS
	Condition		Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	20MHz					
LTE Band 7	Temperature	Voltage	16QAM	QPSK	16QAM	QPSK	
	Normal (25°C)	Normal	3.71	11.21	0.00146	0.00442	
	Extreme (50°C)		17.03	7.17	0.00672	0.00283	PASS
	Extreme (40°C)		15.51	10.69	0.00612	0.00422	PASS
	Extreme (30°C)		9.19	12.65	0.00362	0.00499	PASS
	Extreme (20°C)		7.89	5.12	0.00311	0.00202	PASS
	Extreme (10°C)		14.30	14.30	0.00564	0.00564	PASS
	Extreme (0°C)		12.18	9.78	0.00480	0.00386	PASS
	Extreme (-10°C)		14.83	13.77	0.00585	0.00543	PASS
	Extreme (-20°C)		6.18	13.39	0.00244	0.00528	PASS
	Extreme (-30°C)		16.02	3.22	0.00632	0.00127	PASS
	25°C	LV	5.52	11.71	0.00218	0.00462	PASS
		HV	1.19	5.58	0.00047	0.00220	PASS

6.6 Spurious Emissions at Antenna Terminals

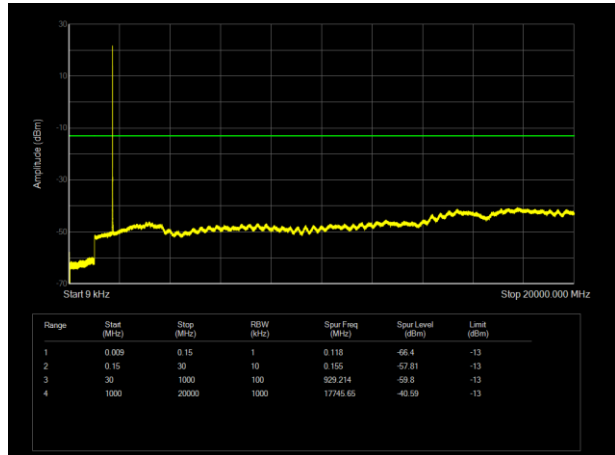
Sweep the whole frequency band through the range from 9kHz to the 10th harmonic of the carrier, the emissions more than 20 dB below the limit are not reported.

The signal beyond the limit is carrier.

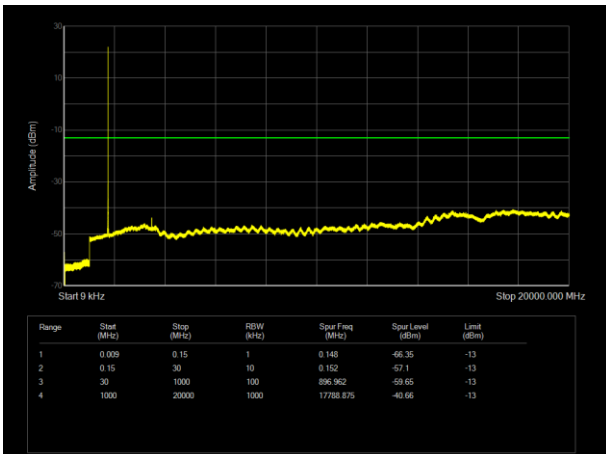
LTE Band 4 1.4MHz CH-Low 9kHz~20GHz



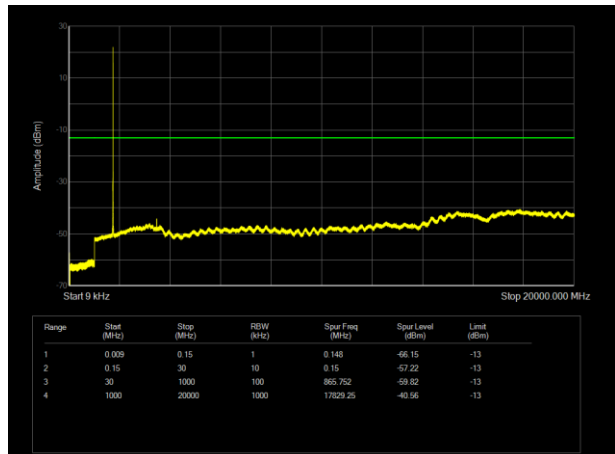
LTE Band 4 3MHz CH- Low 9kHz~20GHz



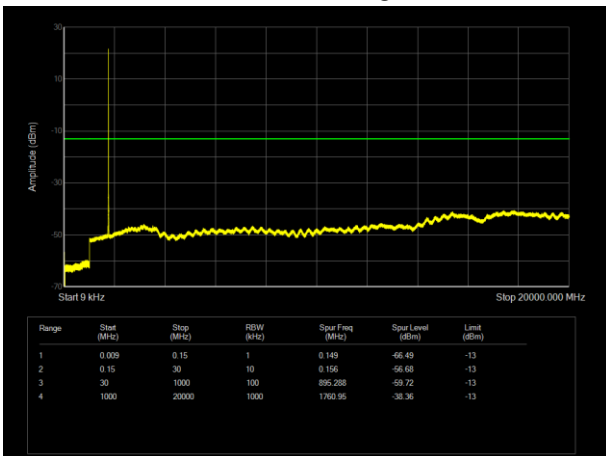
LTE Band 4 1.4MHz CH- Middle 9kHz~20GHz



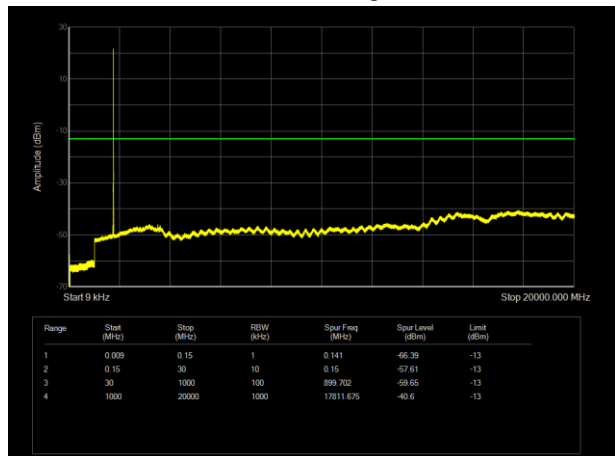
LTE Band 4 3MHz CH- Middle 9kHz~20GHz



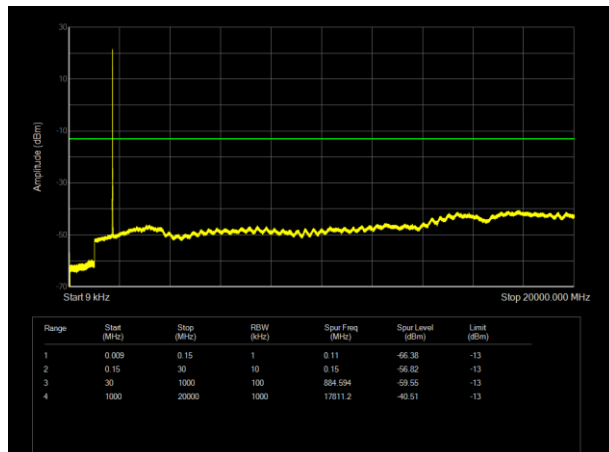
LTE Band 4 1.4MHz CH- High 9kHz~20GHz



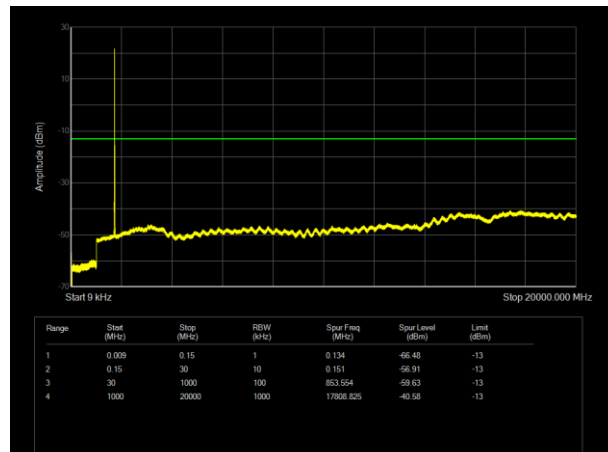
LTE Band 4 3MHz CH-High 9kHz~20GHz



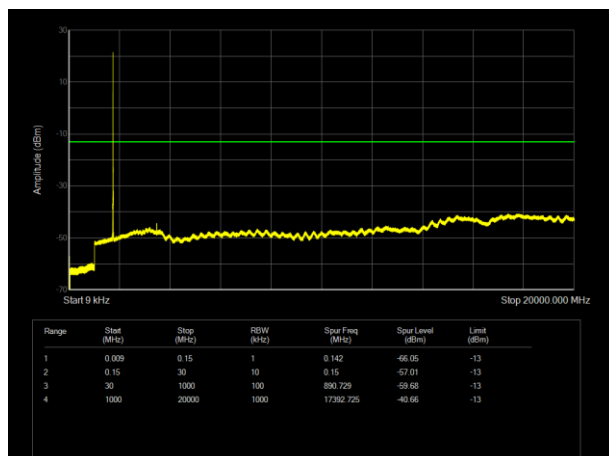
LTE Band 4 5MHz CH- Low 9kHz~20GHz



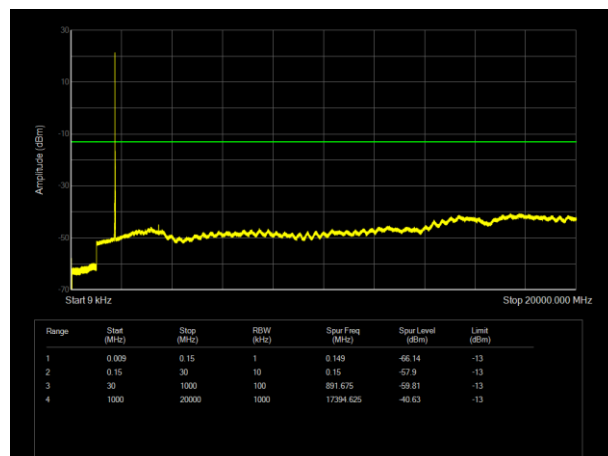
LTE Band 4 10MHz CH-Low 9kHz~20GHz



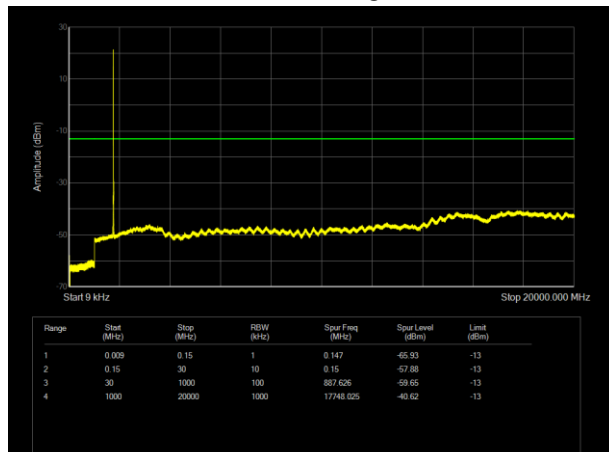
LTE Band 4 5MHz CH- Middle 9kHz~20GHz



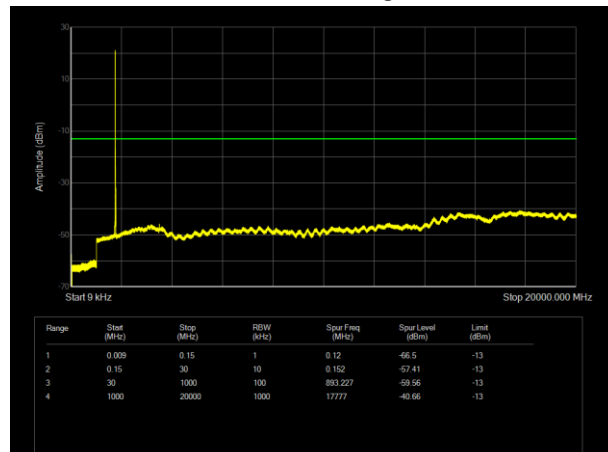
LTE Band 4 10MHz CH- Middle 9kHz~20GHz



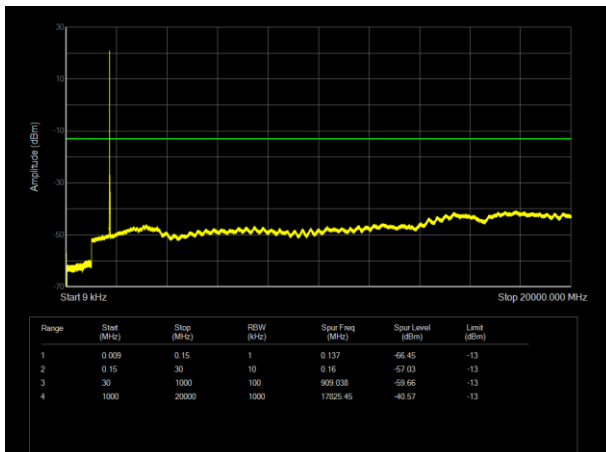
LTE Band 4 5MHz CH-High 9kHz~20GHz



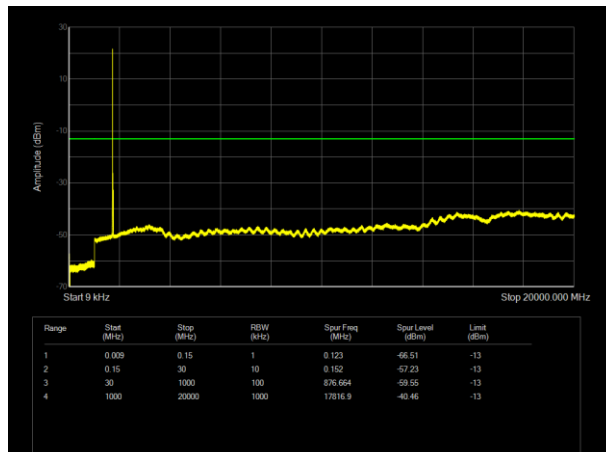
LTE Band 4 10MHz CH- High 9kHz~20GHz



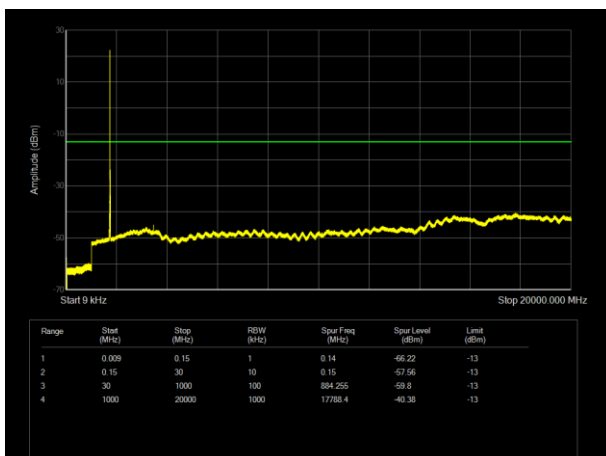
LTE Band 4 15MHz CH- Low 9kHz~20GHz



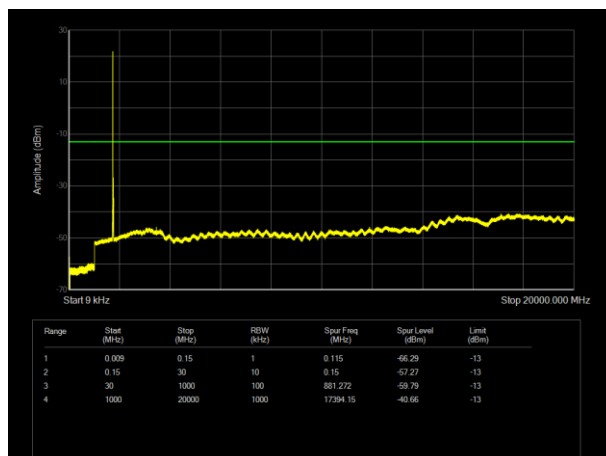
LTE Band 4 20MHz CH-Low 9kHz~20GHz



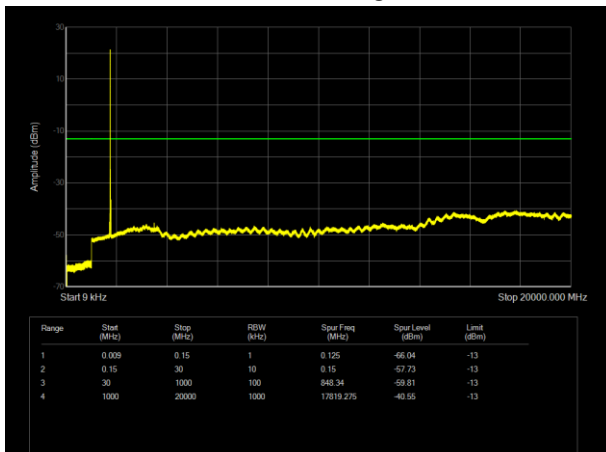
LTE Band 4 15MHz CH- Middle 9kHz~20GHz



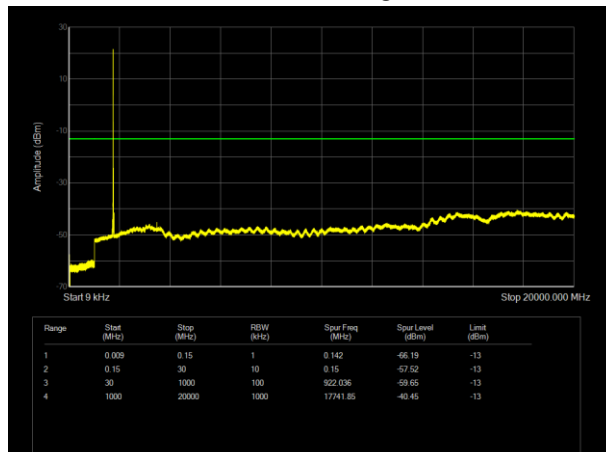
LTE Band 4 20MHz CH- Middle 9kHz~20GHz



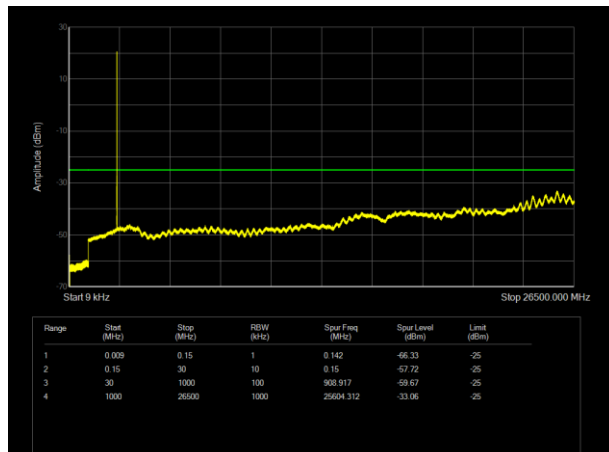
LTE Band 4 15MHz CH-High 9kHz~20GHz



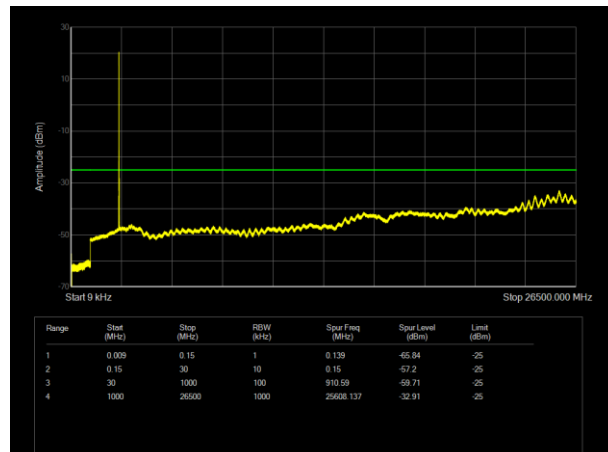
LTE Band 4 20MHz CH- High 9kHz~20GHz



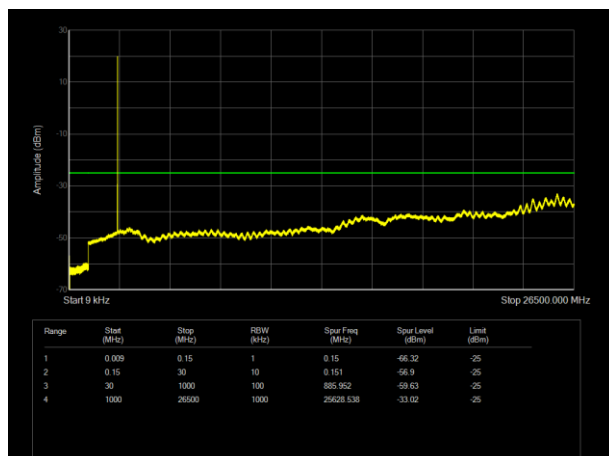
LTE Band 7 5MHz CH- Low 9kHz~26.5GHz



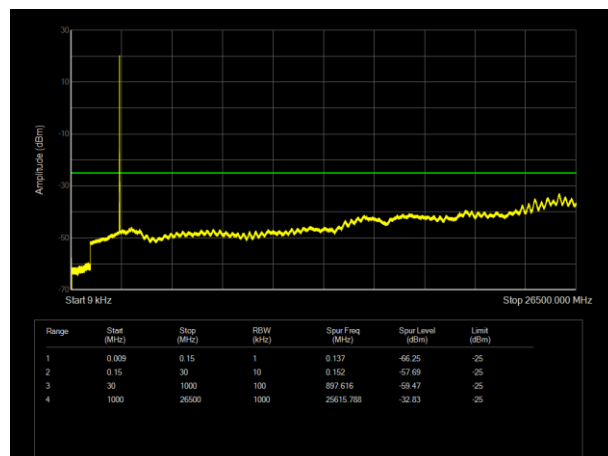
LTE Band 7 10MHz CH-Low 9kHz~26.5GHz



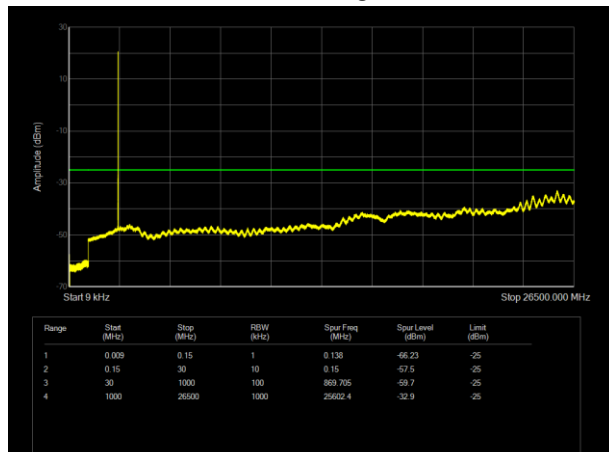
LTE Band 7 5MHz CH- Middle 9kHz~26.5GHz



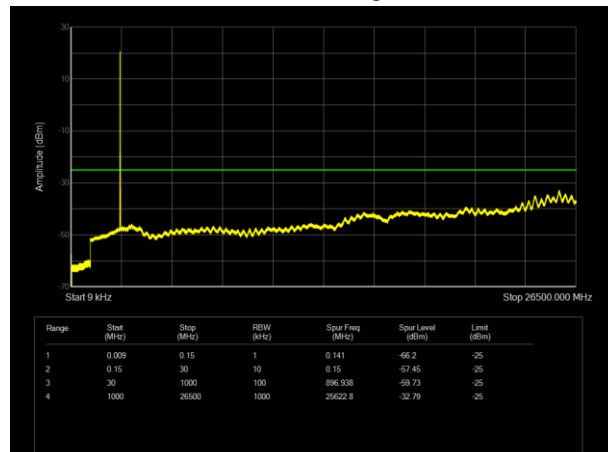
LTE Band 7 10MHz CH- Middle 9kHz~26.5GHz



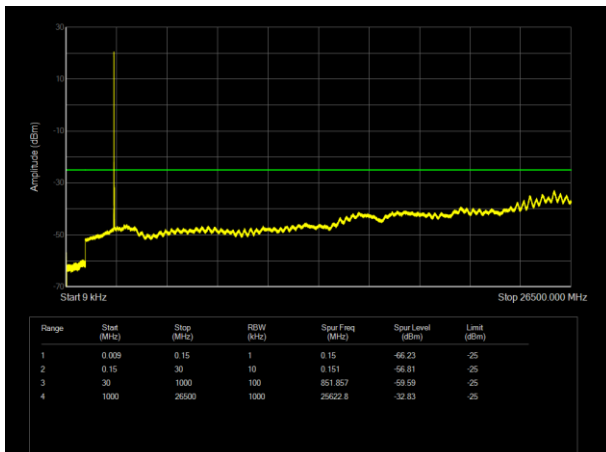
LTE Band 7 5MHz CH-High 9kHz~26.5GHz



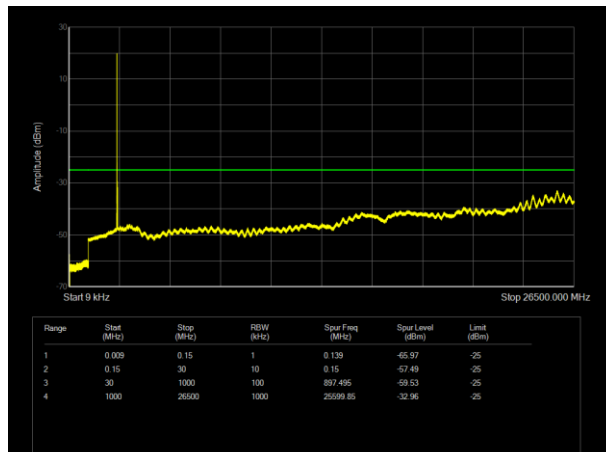
LTE Band 7 10MHz CH- High 9kHz~26.5GHz



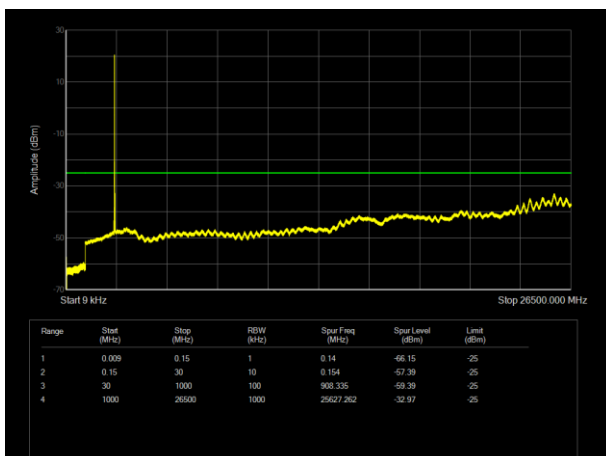
LTE Band 7 15MHz CH- Low 9kHz~26.5GHz



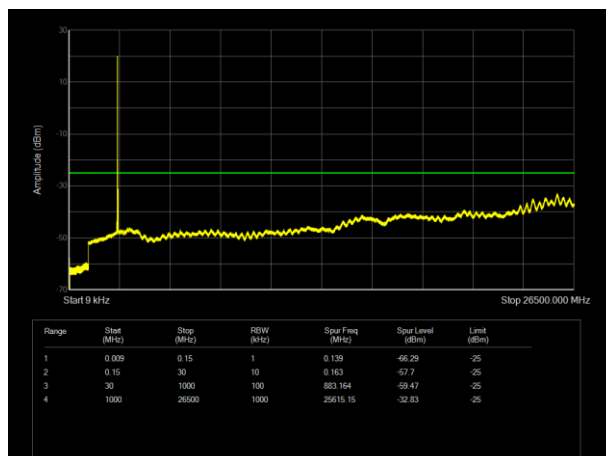
LTE Band 7 20MHz CH-Low 9kHz~26.5GHz



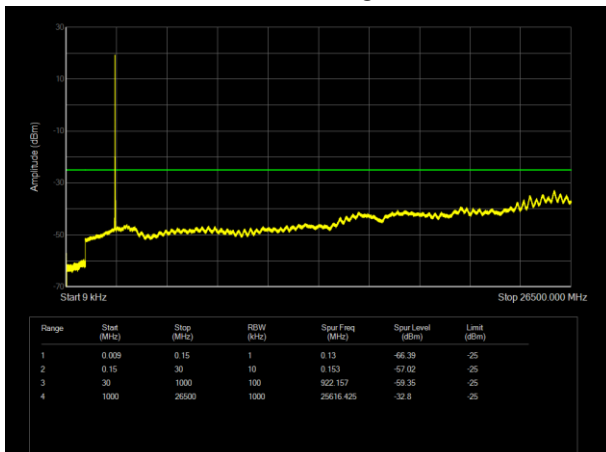
LTE Band 7 15MHz CH- Middle 9kHz~26.5GHz



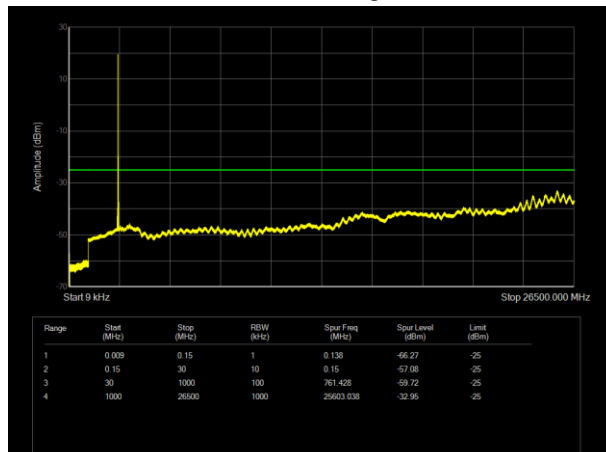
LTE Band 7 20MHz CH- Middle 9kHz~26.5GHz



LTE Band 7 15MHz CH-High 9kHz~26.5GHz



LTE Band 7 20MHz CH- High 9kHz~26.5GHz



6.7 Radiated Spurious Emission

Sweep the whole frequency band through the range from 9kHz to the 10th harmonic of the carrier, the emissions below the noise floor will not be recorded in the report.

LTE Band 4 QPSK 1.4MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3464.25	-53.53	2.70	12.70	Vertical	-43.53	-13.00	30.53	37
3	5197.50	-65.17	3.20	12.50	Vertical	-55.87	-13.00	42.87	156
4	6930.00	-59.60	4.20	11.80	Vertical	-52.00	-13.00	39.00	35
5	8662.50	-62.87	4.40	12.50	Vertical	-54.77	-13.00	41.77	26
6	10395.00	-57.37	4.70	11.30	Vertical	-50.77	-13.00	37.77	175
7	12127.50	-58.33	5.20	13.80	Vertical	-49.73	-13.00	36.73	35
8	13860.00	-45.67	5.70	11.30	Vertical	-40.07	-13.00	27.07	226
9	15592.50	-69.65	6.10	16.80	Vertical	-58.95	-13.00	45.95	112
10	17325.00	-62.67	6.10	14.20	Vertical	-54.57	-13.00	41.57	78
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Vertical position.									

LTE Band 4 QPSK 5MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3460.50	-54.37	2.70	12.70	Vertical	-44.37	-13.00	31.37	86
3	5191.50	-65.79	3.20	12.50	Vertical	-56.49	-13.00	43.49	28
4	6930.00	-59.13	4.20	11.80	Vertical	-51.53	-13.00	38.53	274
5	8662.50	-62.04	4.40	12.50	Vertical	-53.94	-13.00	40.94	39
6	10380.00	-58.67	4.70	11.30	Vertical	-52.07	-13.00	39.07	78
7	12110.00	-59.92	5.20	13.80	Vertical	-51.32	-13.00	38.32	25
8	13840.00	-47.88	5.70	11.30	Vertical	-42.28	-13.00	29.28	186
9	15570.00	-69.89	6.10	16.80	Vertical	-59.19	-13.00	46.19	56
10	17300.00	-62.81	6.10	14.20	Vertical	-54.71	-13.00	41.71	28
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Vertical position.									

LTE Band 4 QPSK 20MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3447.75	-55.60	2.70	12.70	Vertical	-45.60	-13.00	32.60	28
3	5170.88	-66.79	3.20	12.50	Vertical	-57.49	-13.00	44.49	174
4	6894.00	-59.37	4.20	11.80	Vertical	-51.77	-13.00	38.77	28
5	8617.00	-62.41	4.40	12.50	Vertical	-54.31	-13.00	41.31	98
6	10341.00	-56.75	4.70	11.30	Vertical	-50.15	-13.00	37.15	16
7	12065.00	-59.98	5.20	13.80	Vertical	-51.38	-13.00	38.38	28
8	13788.00	-48.16	5.70	11.30	Vertical	-42.56	-13.00	29.56	278
9	15592.50	-69.63	6.10	16.80	Vertical	-58.93	-13.00	45.93	145
10	17325.00	-63.30	6.10	14.20	Vertical	-55.20	-13.00	42.20	75
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Vertical position.									

LTE Band 7 QPSK 5MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5052.00	-59.99	3.40	12.50	Vertical	-50.89	-25.00	25.89	78
3	7578.00	-48.16	4.40	12.20	Vertical	-40.36	-25.00	15.36	165
4	10104.00	-46.28	4.70	11.30	Vertical	-39.68	-25.00	14.68	278
5	12630.20	-46.26	5.40	13.20	Vertical	-38.46	-25.00	13.46	16
6	15156.60	-54.80	6.10	13.10	Vertical	-47.80	-25.00	22.80	38
7	17745.00	-53.51	6.10	14.20	Vertical	-45.41	-25.00	20.41	287
8	20280.00	--	--	--	--	--	--	--	--
9	22815.00	--	--	--	--	--	--	--	--
10	25350.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Vertical position.									

LTE Band 7 QPSK 20MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5052.20	-58.49	3.40	12.50	Vertical	-49.39	-25.00	24.39	14
3	7598.00	-48.38	4.40	12.20	Vertical	-40.58	-25.00	15.58	278
4	10131.00	-46.32	4.70	11.30	Vertical	-39.72	-25.00	14.72	35
5	12664.00	-45.58	5.40	13.20	Vertical	-37.78	-25.00	12.78	89
6	15197.00	-53.50	6.10	13.10	Vertical	-46.50	-25.00	21.50	27
7	17745.00	-53.24	6.10	14.20	Vertical	-45.14	-25.00	20.14	168
8	20208.80	--	--	--	--	--	--	--	--
9	22734.90	--	--	--	--	--	--	--	--
10	25261.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Vertical position.									

7 Main Test Instruments

Name	Manufacturer	Type	Serial Number	Calibration Date	Expiration Date
Wireless Communication Tester	R&S	CMW500	150415	2023-05-12	2024-05-11
Spectrum Analyzer	Keysight	N9020A	MY50510203	2023-05-12	2024-05-11
Spectrum Analyzer	R&S	FSV30	103591	2023-05-12	2024-05-11
Wireless Communication Tester	Agilent	E5515C	MY48367192	2023-05-12	2024-05-11
Spectrum Analyzer	R&S	FSV30	100815	2023-12-05	2024-12-04
Loop Antenna	SCHWARZBECK	FMZB1519	1519-047	2023-04-16	2026-04-15
TRILOG Broadband Antenna	SCHWARZBECK	VULB 9163	391	2022-09-29	2025-09-28
Horn Antenna	SCHWARZBECK	BBHA 9120D	1594	2023-12-05	2026-12-04
Horn Antenna	ETS-Lindgren	3160-09	00102643	2021-10-10	2024-10-09
Software	R&S	EMC32	10.35.10	/	/

ANNEX A: The EUT Appearance

The EUT Appearance are submitted separately.

ANNEX B: Test Setup Photos

The Test Setup Photos are submitted separately.

***** END OF REPORT *****