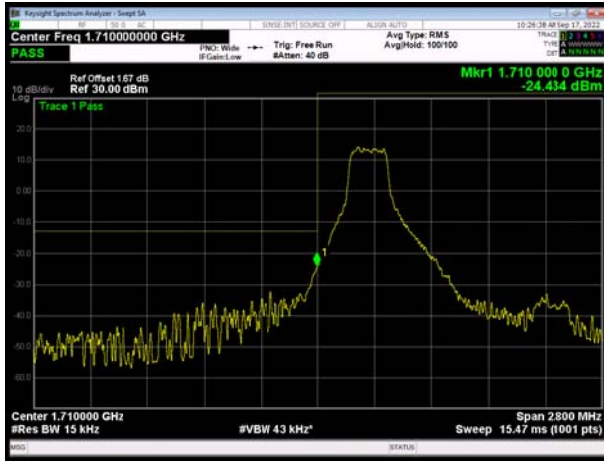




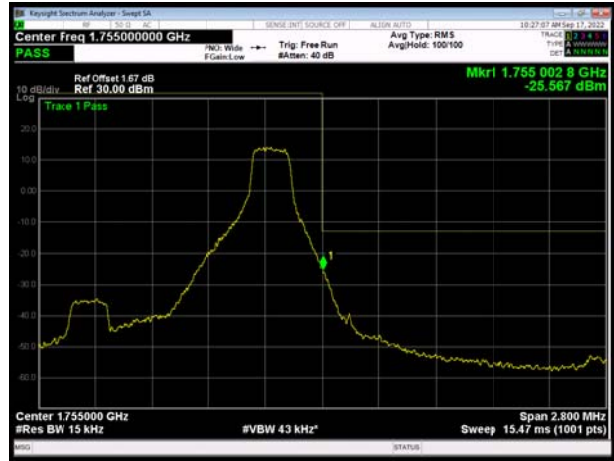
6.3 Band Edge Compliance

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



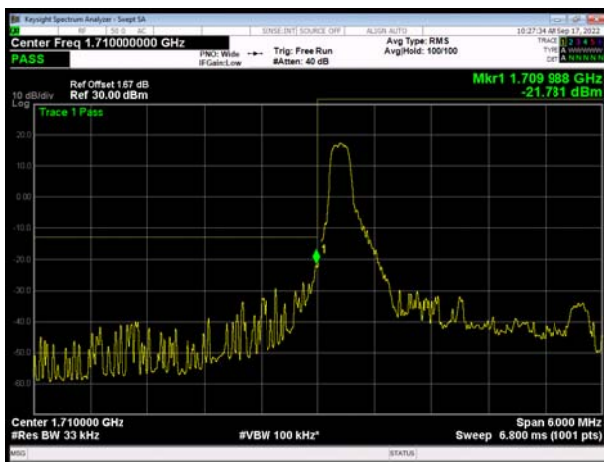
LTE Band 4 QPSK 1.4MHz CH-Low, 100%RB



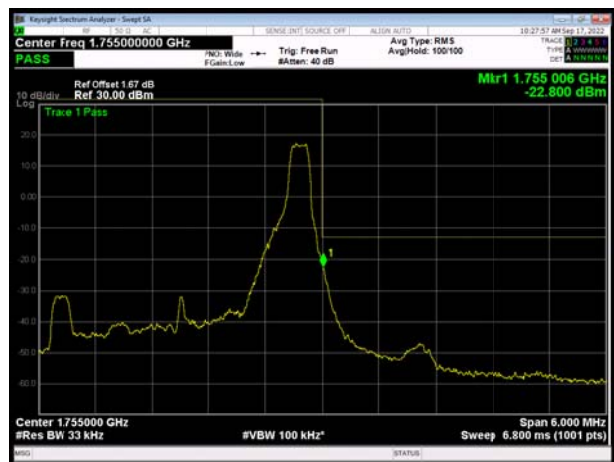
LTE Band 4 QPSK 1.4MHz CH-High, 100%RB



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

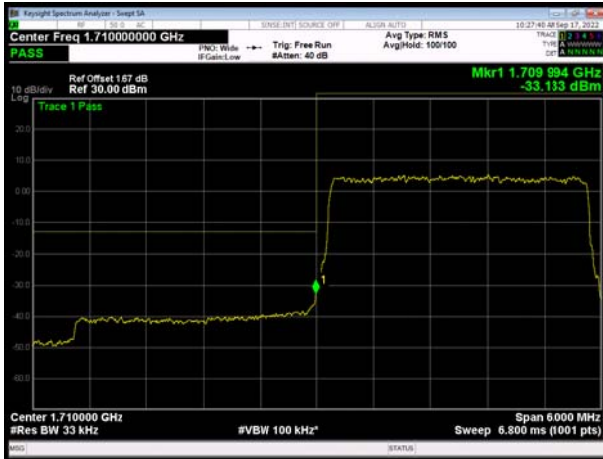


LTE Band 4 QPSK 3MHz CH-High, 1 RB





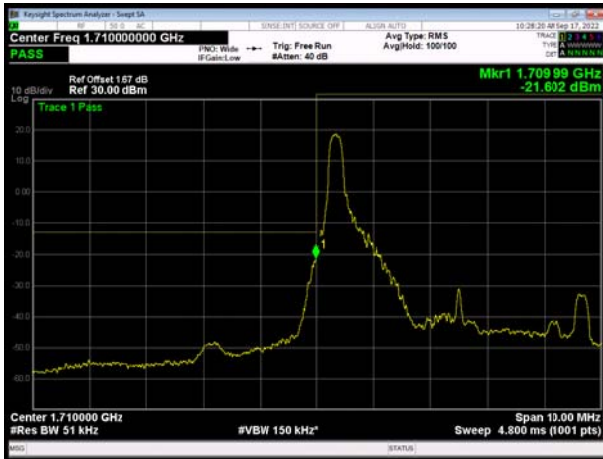
LTE Band 4 QPSK 3MHz CH-Low, 100%RB



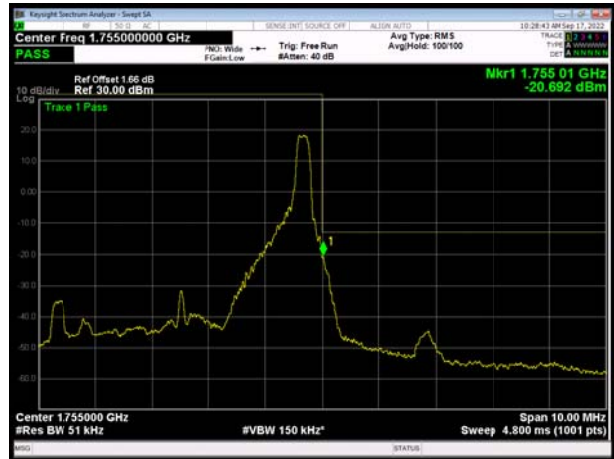
LTE Band 4 QPSK 3MHz CH-High, 100%RB



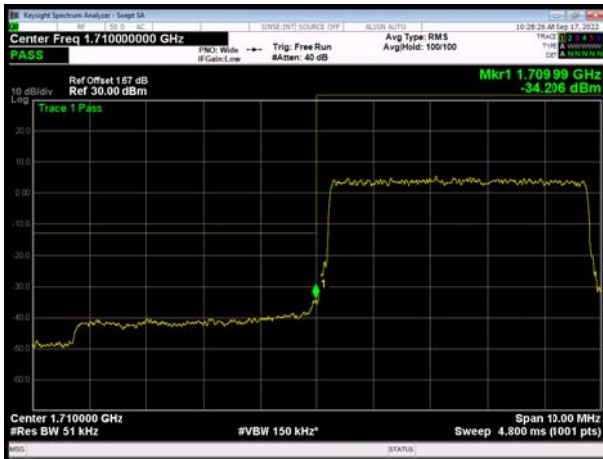
LTE Band 4 QPSK 5MHz CH-Low, 1 RB



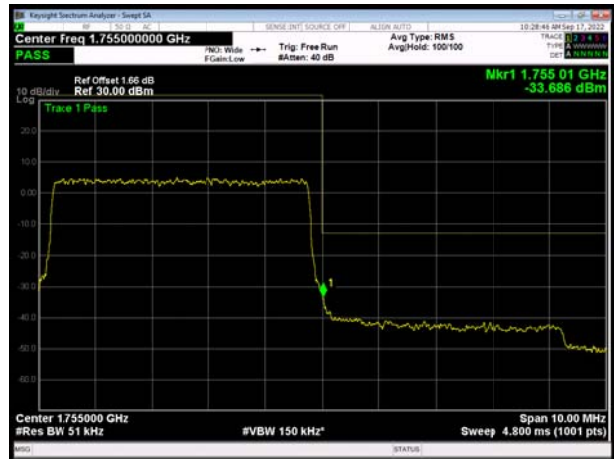
LTE Band 4 QPSK 5MHz CH-High, 1 RB



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



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

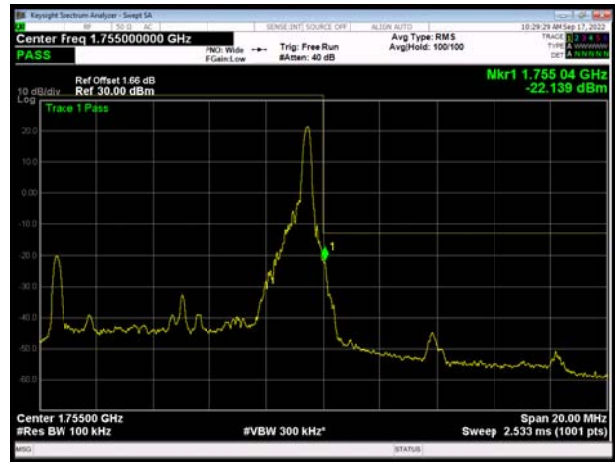




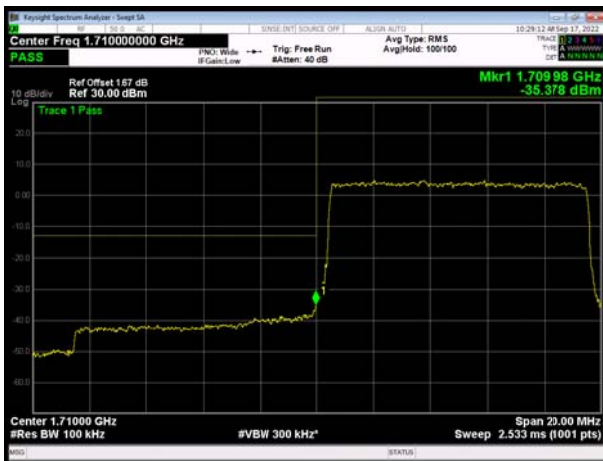
LTE Band 4 QPSK 10MHz CH-Low, 1 RB



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



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



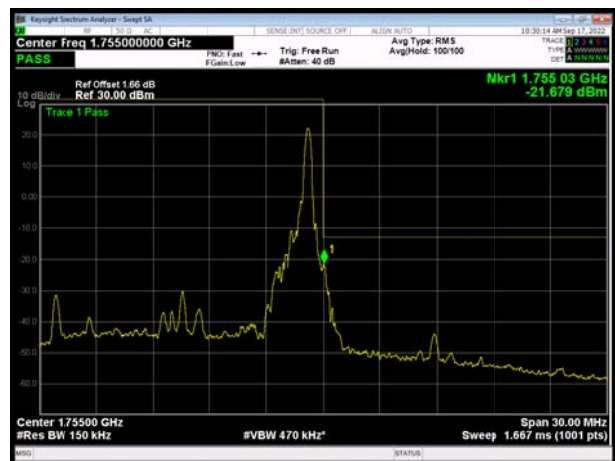
LTE Band 4 QPSK 10MHz CH-High, 100%RB



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

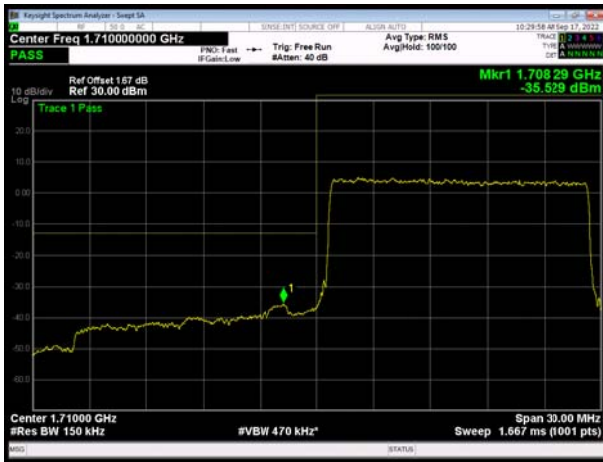


LTE Band 4 QPSK 15MHz CH-High, 1 RB

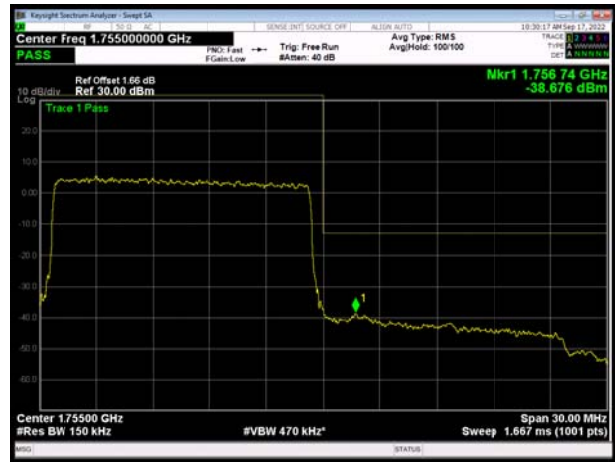




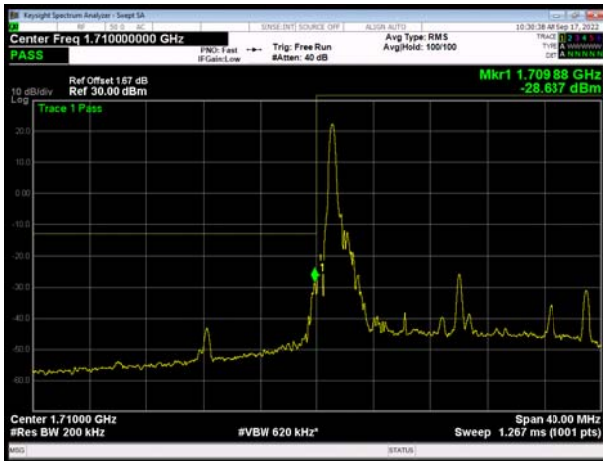
LTE Band 4 QPSK 15MHz CH-Low, 100%RB



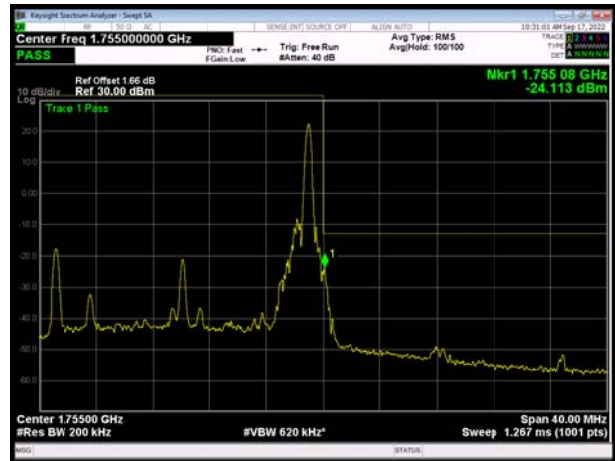
LTE Band 4 QPSK 15MHz CH-High, 100%RB



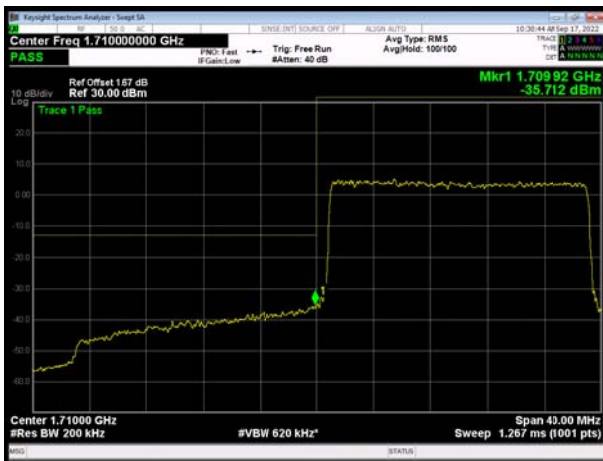
LTE Band 4 QPSK 20MHz CH-Low, 1 RB



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



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

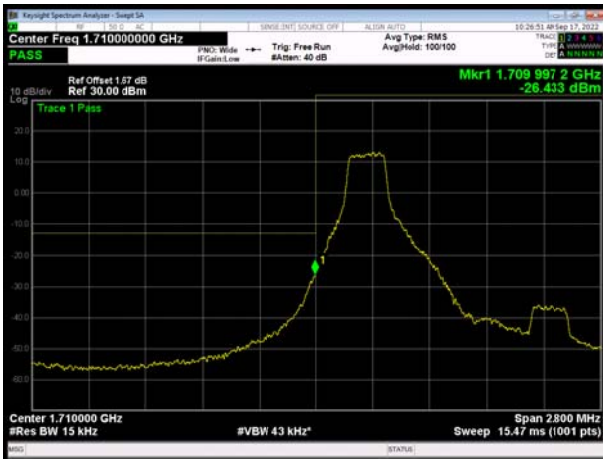


LTE Band 4 QPSK 20MHz CH-High, 100%RB

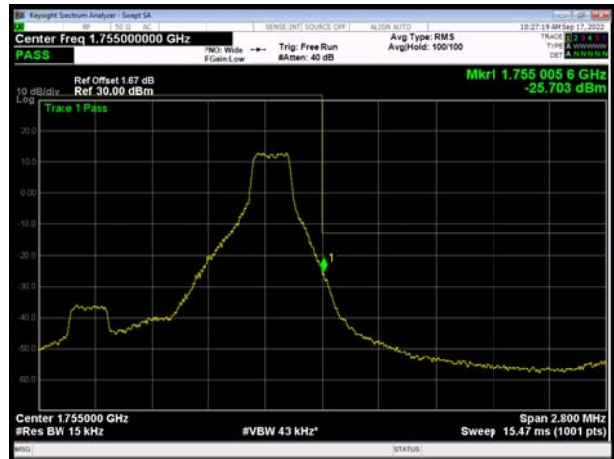




LTE Band 4 16QAM 1.4MHz CH-Low, 1 RB



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



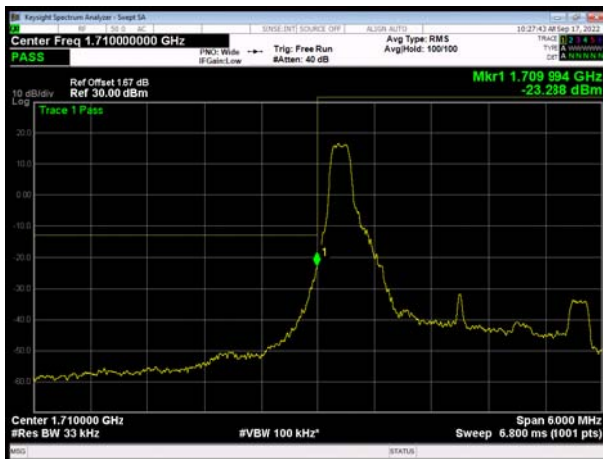
LTE Band 4 16QAM 1.4MHz CH-Low, 100%RB



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



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

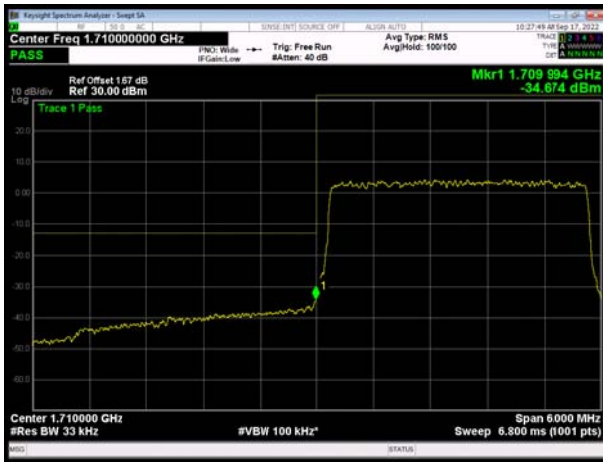


LTE Band 4 16QAM 3MHz CH-High, 1 RB





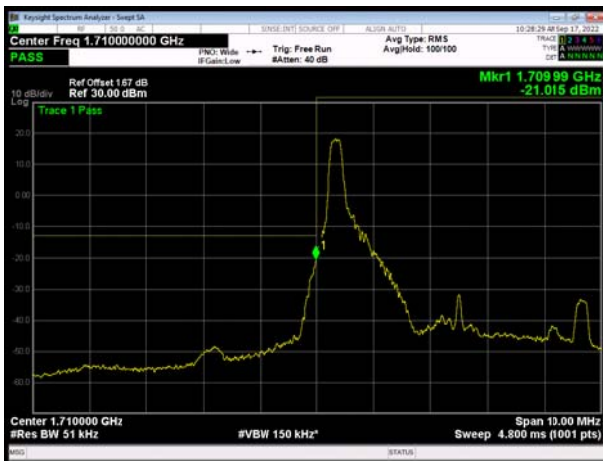
LTE Band 4 16QAM 3MHz CH-Low, 100%RB



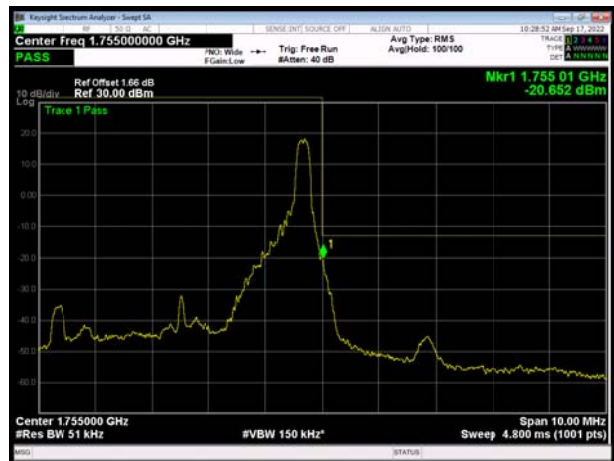
LTE Band 4 16QAM 3MHz CH-High, 100%RB



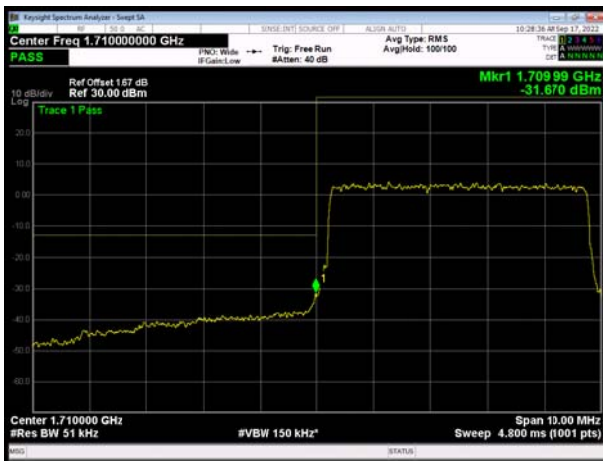
LTE Band 4 16QAM 5MHz CH-Low, 1 RB



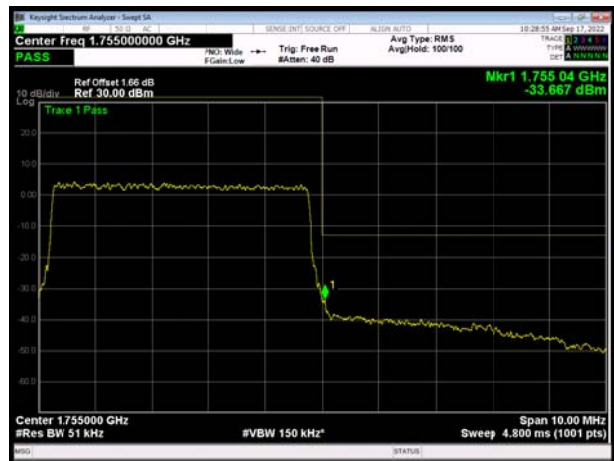
LTE Band 4 16QAM 5MHz CH-High, 1 RB



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

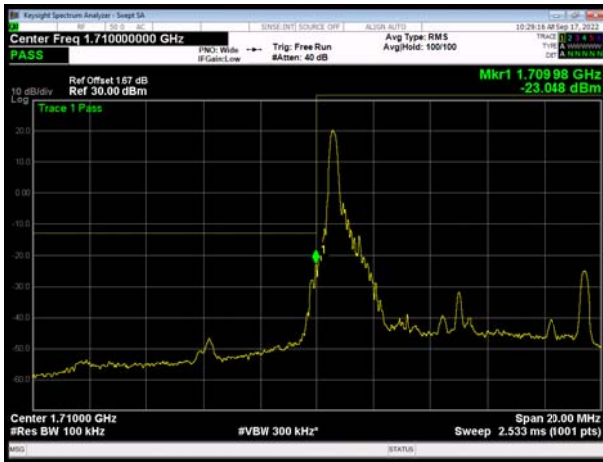


LTE Band 4 16QAM 5MHz CH-High, 100%RB

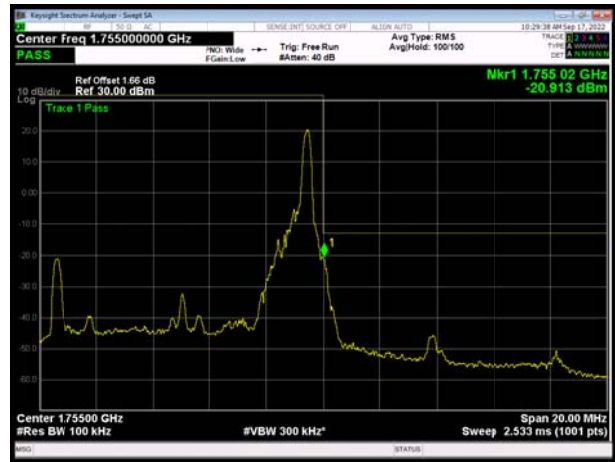




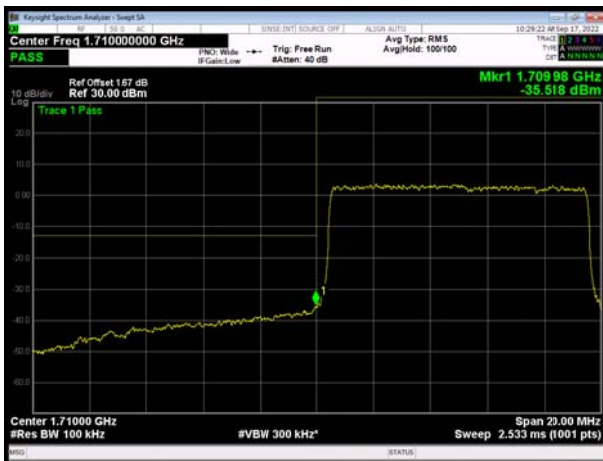
LTE Band 4 16QAM 10MHz CH-Low, 1 RB



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



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



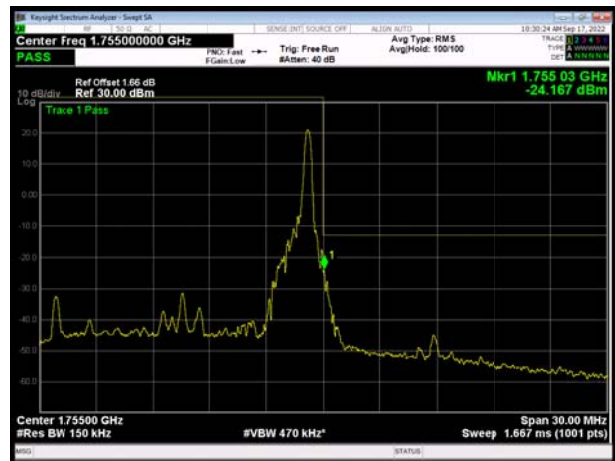
LTE Band 4 16QAM 10MHz CH-High, 100%RB



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

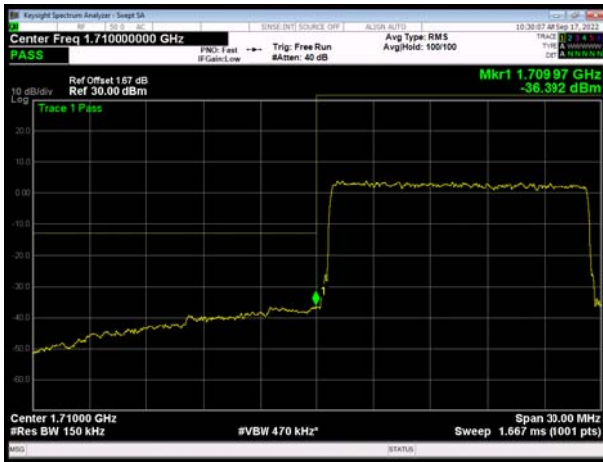


LTE Band 4 16QAM 15MHz CH-High, 1 RB

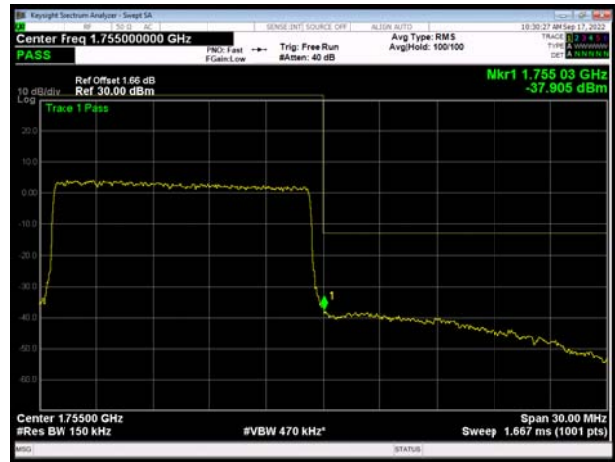




LTE Band 4 16QAM 15MHz CH-Low, 100%RB



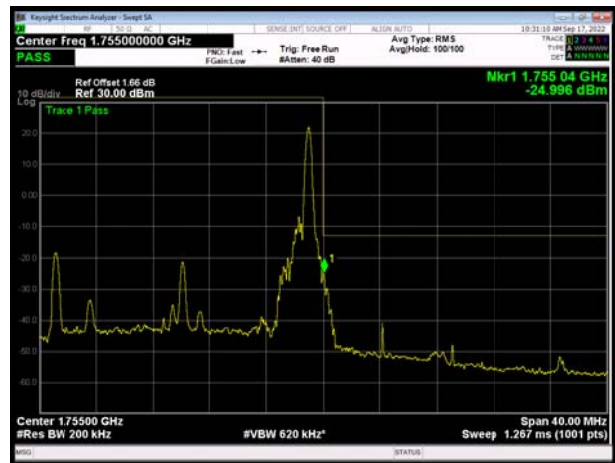
LTE Band 4 16QAM 15MHz CH-High, 100%RB



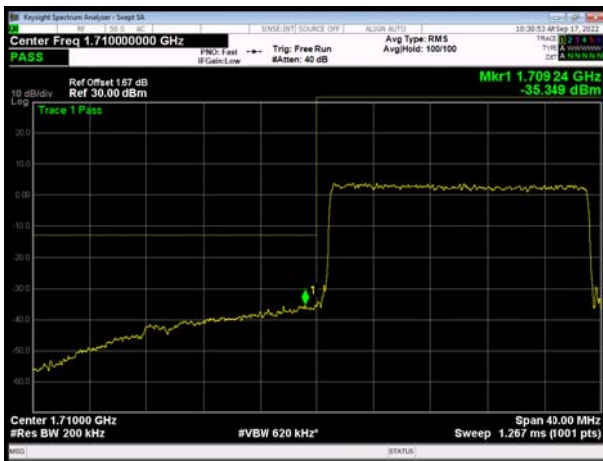
LTE Band 4 16QAM 20MHz CH-Low, 1 RB



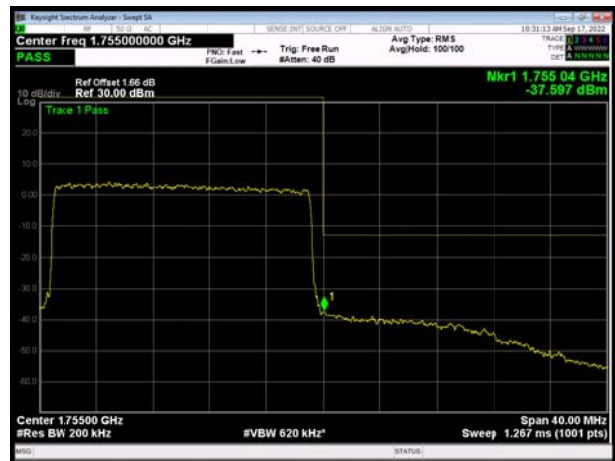
LTE Band 4 16QAM 20MHz CH-High, 1 RB



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

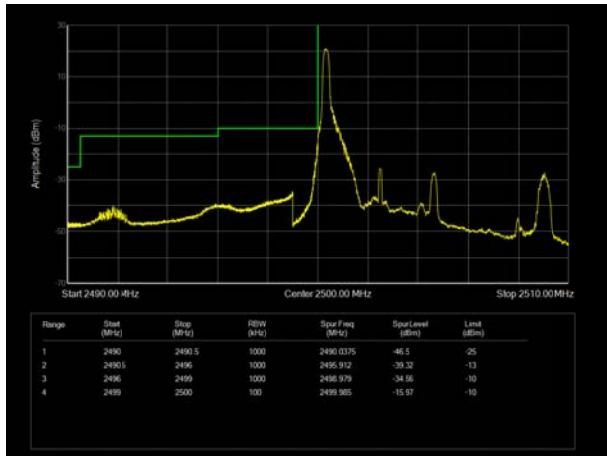


LTE Band 4 16QAM 20MHz CH-High, 100%RB

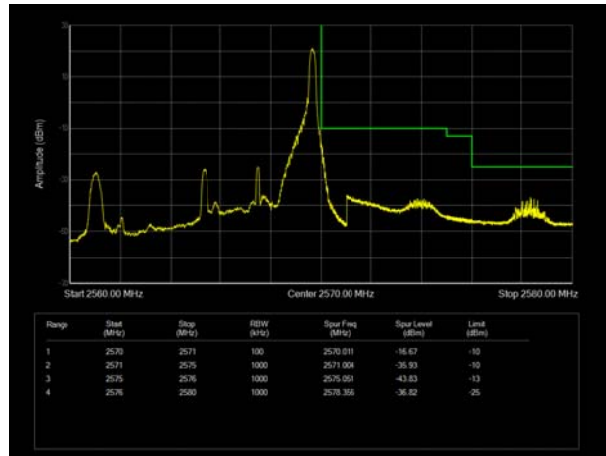




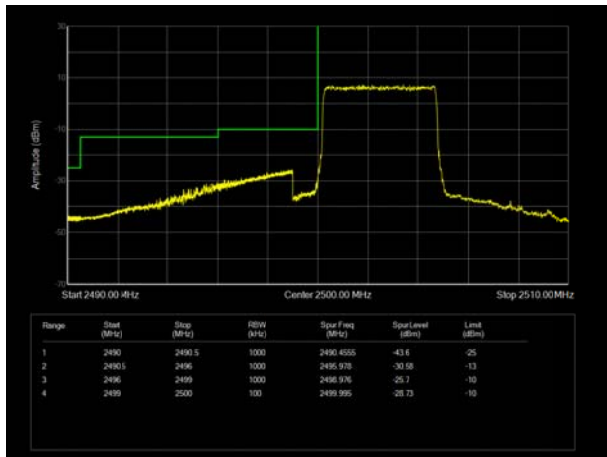
LTE Band 7 QPSK 5MHz CH-Low, 1 RB



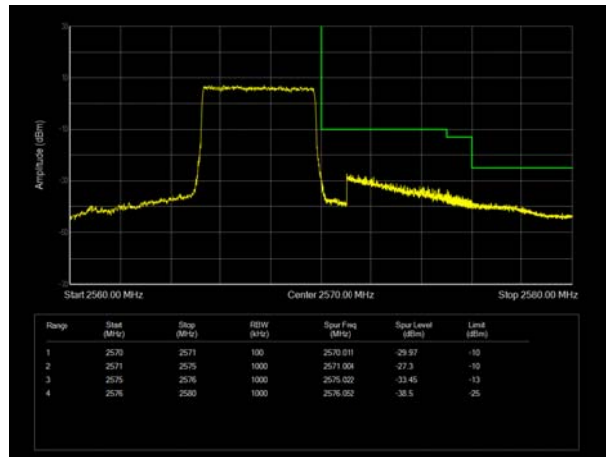
LTE Band 7 QPSK 5MHz CH-High, 1 RB



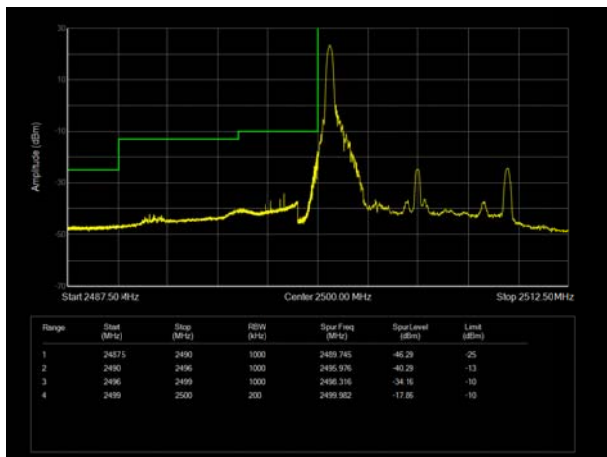
LTE Band 7 QPSK 5MHz CH-Low, 100%RB



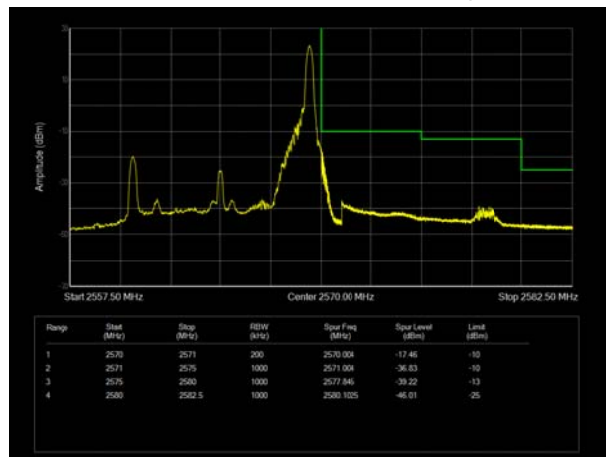
LTE Band 7 QPSK 5MHz CH-High, 100%RB



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

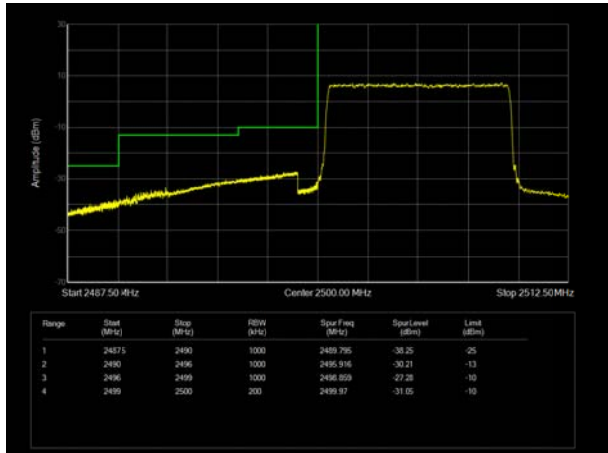


LTE Band 7 QPSK 10MHz CH-High, 1 RB

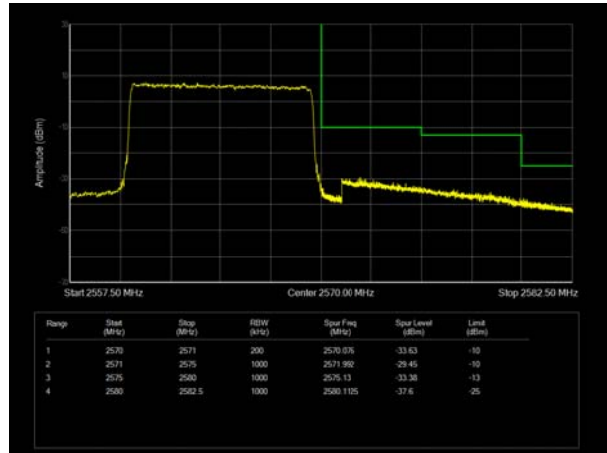




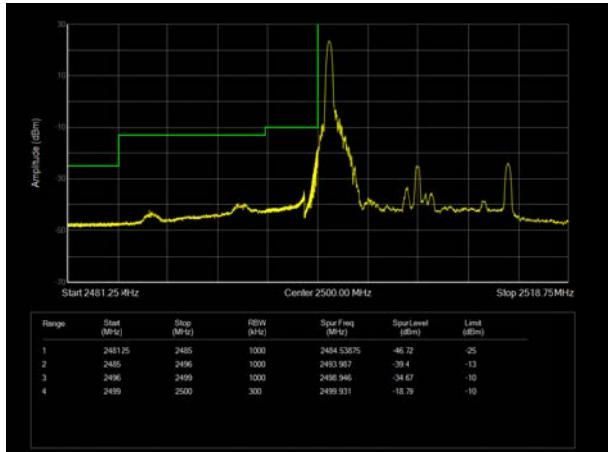
LTE Band 7 QPSK 10MHz CH-Low, 100%RB



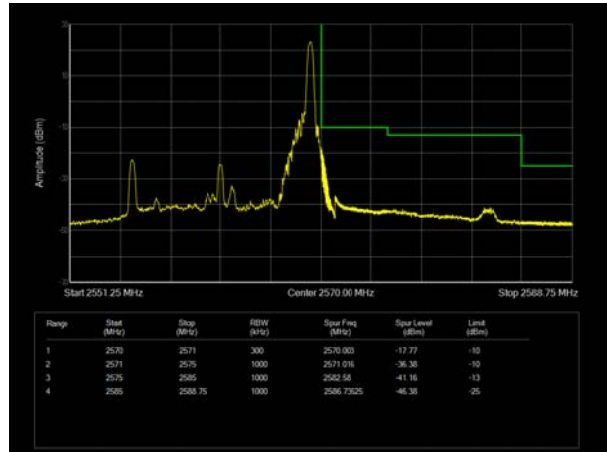
LTE Band 7 QPSK 10MHz CH-High, 100%RB



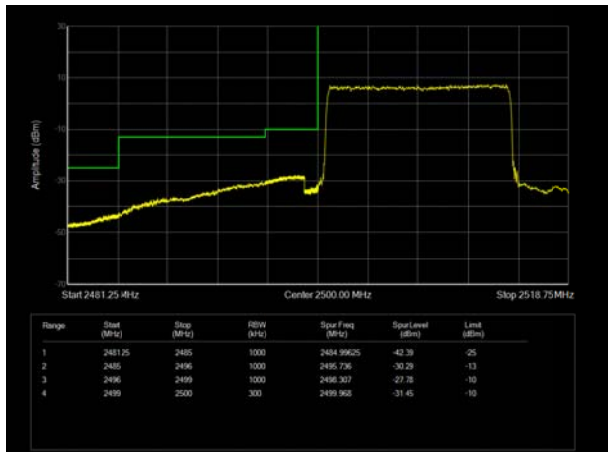
LTE Band 7 QPSK 15MHz CH-Low, 1 RB



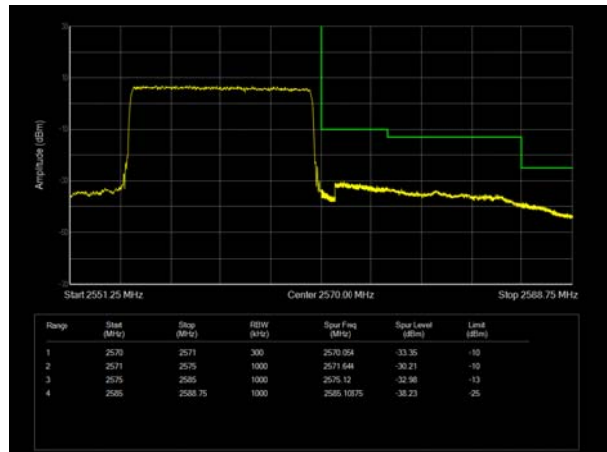
LTE Band 7 QPSK 15MHz CH-High, 1 RB



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

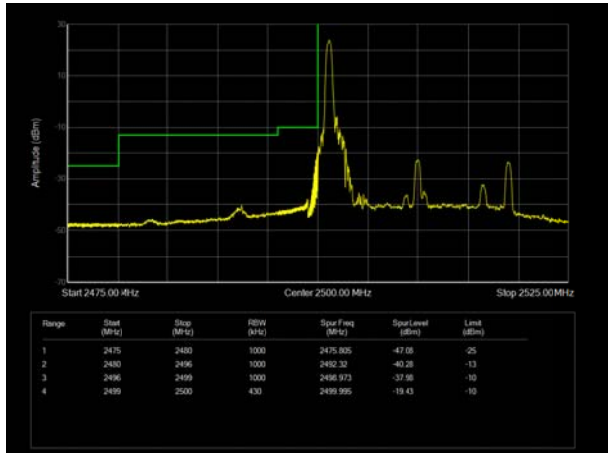


LTE Band 7 QPSK 15MHz CH-High, 100%RB

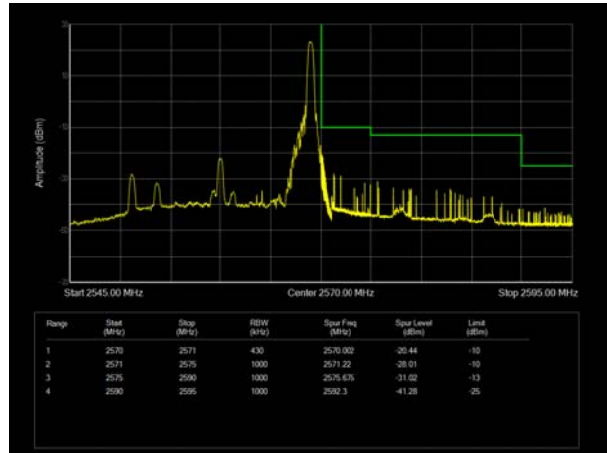




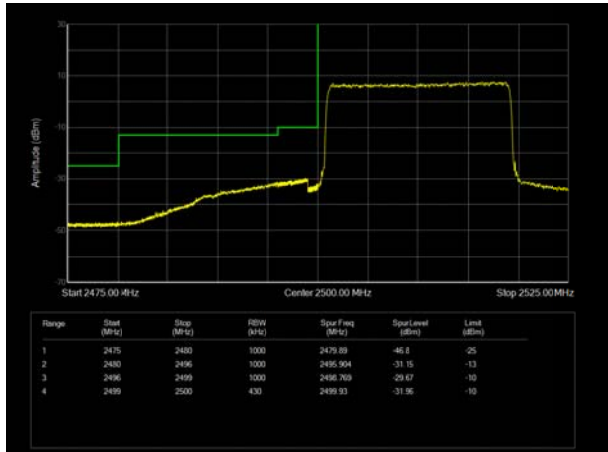
LTE Band 7 QPSK 20MHz CH-Low, 1 RB



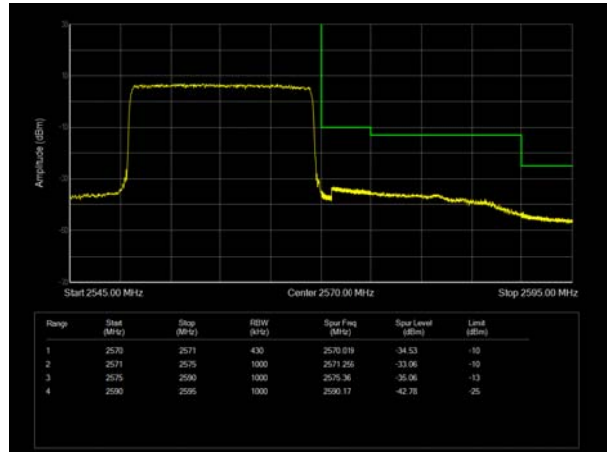
LTE Band 7 QPSK 20MHz CH-High, 1 RB



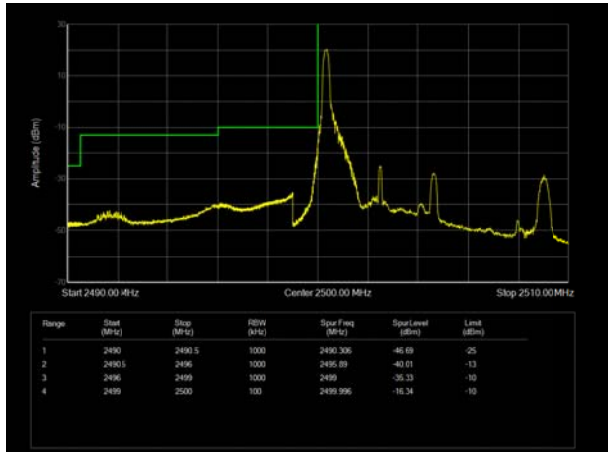
LTE Band 7 QPSK 20MHz CH-Low, 100%RB



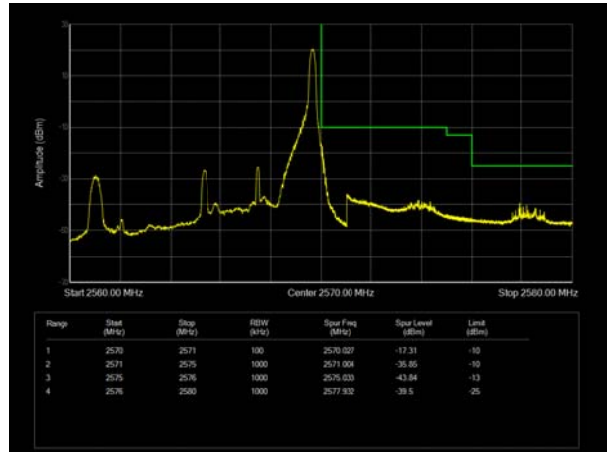
LTE Band 7 QPSK 20MHz CH-High, 100%RB



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

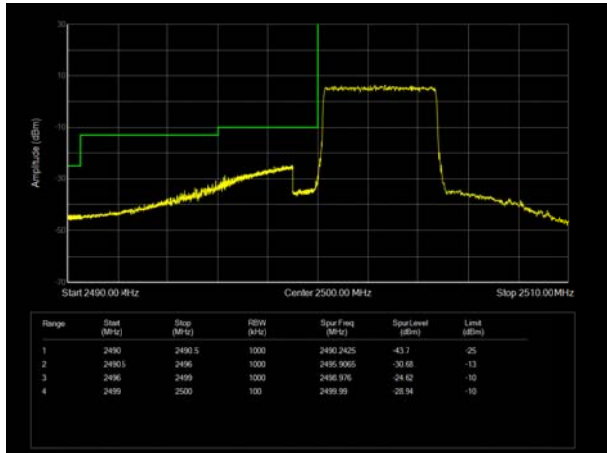


LTE Band 7 16QAM 5MHz CH-High, 1 RB

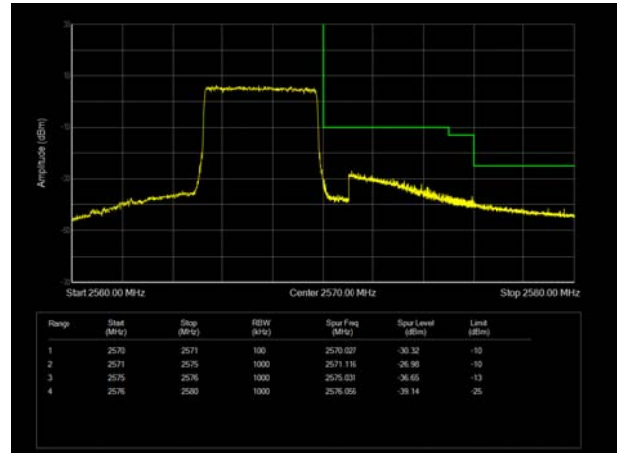




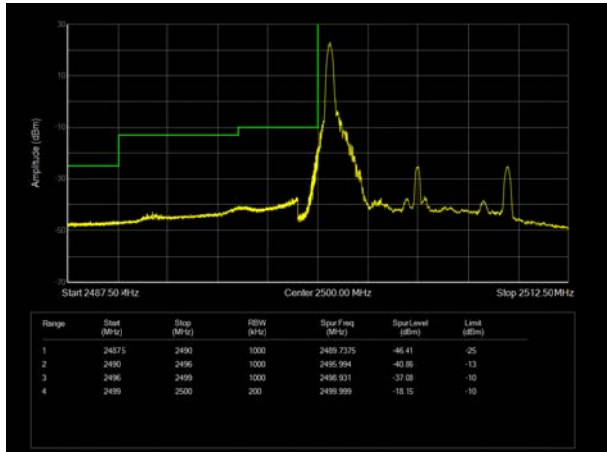
LTE Band 7 16QAM 5MHz CH-Low, 100%RB



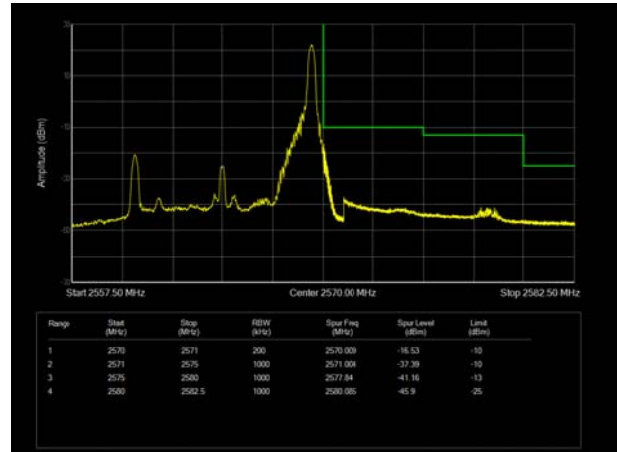
LTE Band 7 16QAM 5MHz CH-High, 100%RB



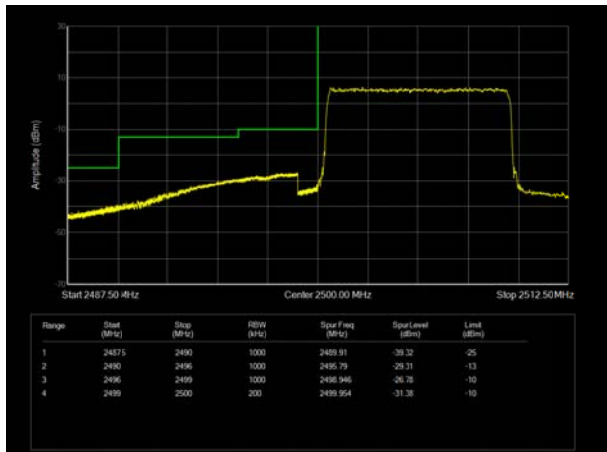
LTE Band 7 16QAM 10MHz CH-Low, 1 RB



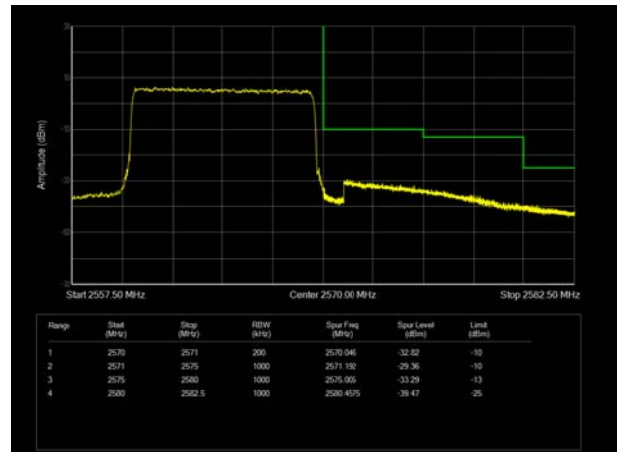
LTE Band 7 16QAM 10MHz CH-High, 1 RB



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

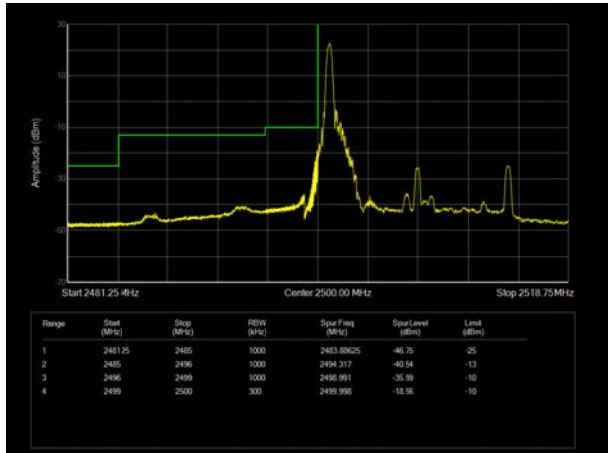


LTE Band 7 16QAM 10MHz CH-High, 100%RB

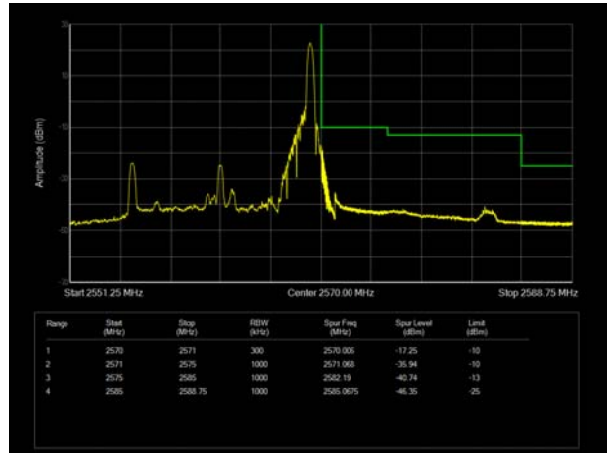




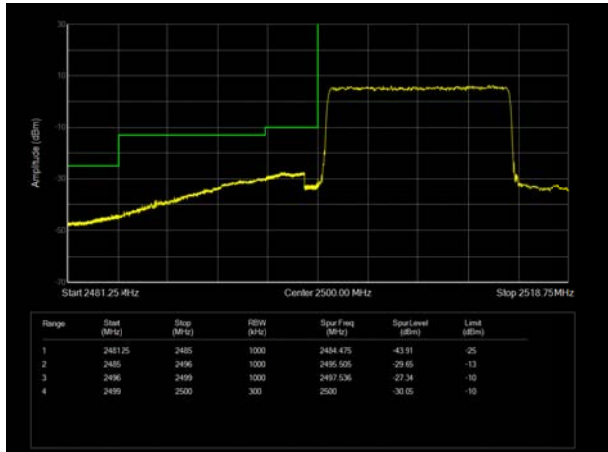
LTE Band 7 16QAM 15MHz CH-Low, 1 RB



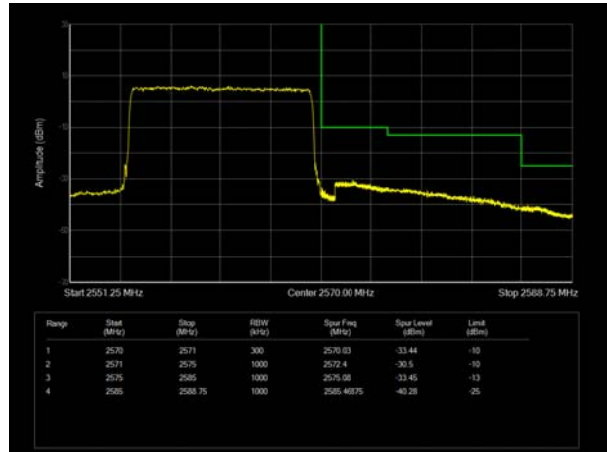
LTE Band 7 16QAM 15MHz CH-High, 1 RB



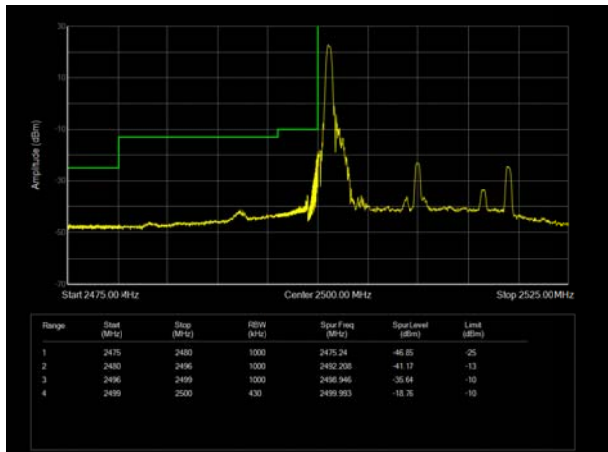
LTE Band 7 16QAM 15MHz CH-Low, 100%RB



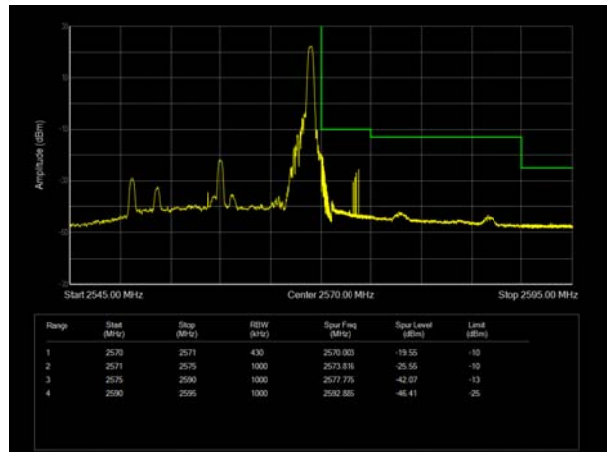
LTE Band 7 16QAM 15MHz CH-High, 100%RB



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

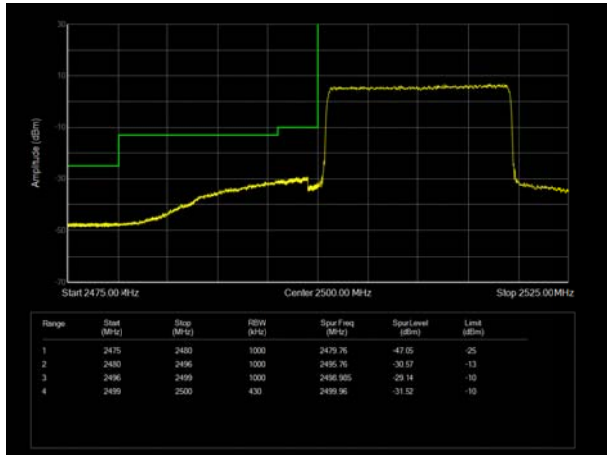


LTE Band 7 16QAM 20MHz CH-High, 1 RB

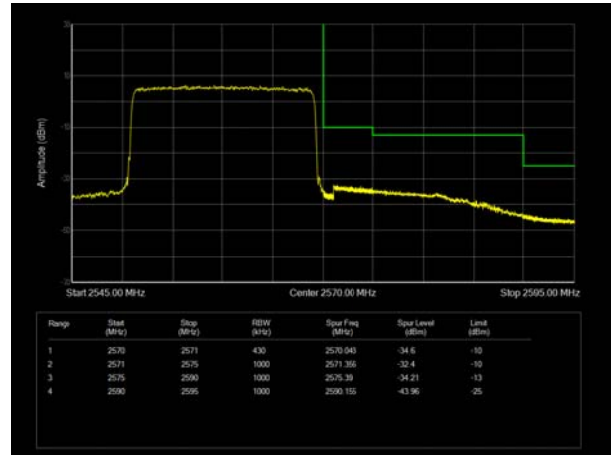




LTE Band 7 16QAM 20MHz CH-Low, 100%RB

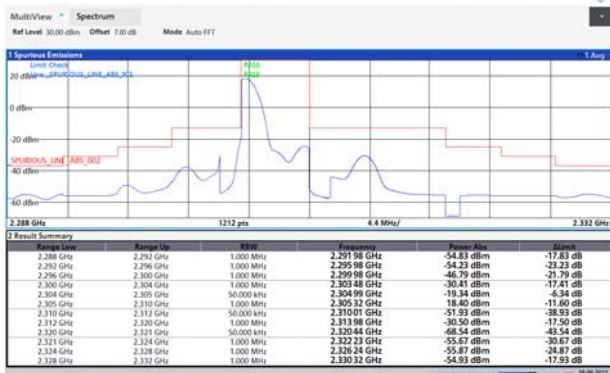


LTE Band 7 16QAM 20MHz CH-High, 100%RB



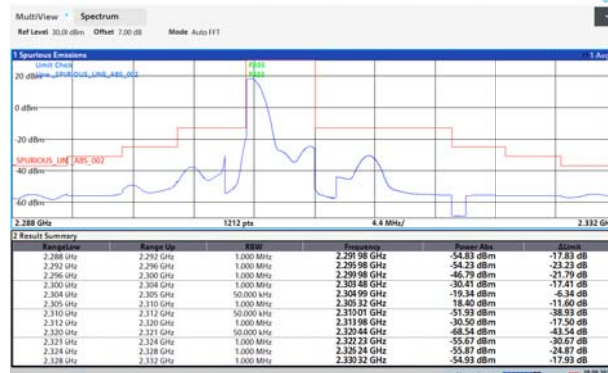


LTE Band 40 Subset 1 QPSK 5MHz CH-Low, 1 RB



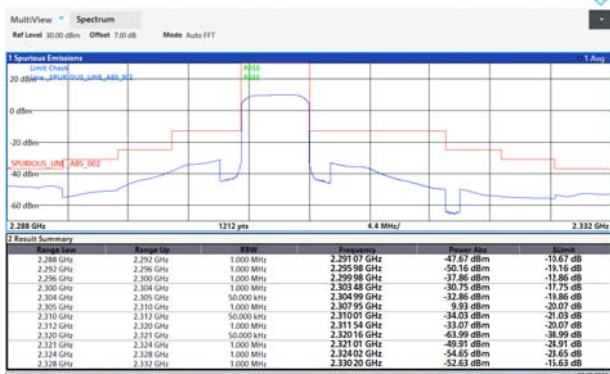
14:55:20 28.09.2022

LTE Band 40 Subset 1 QPSK 5MHz CH-High, 1 RB



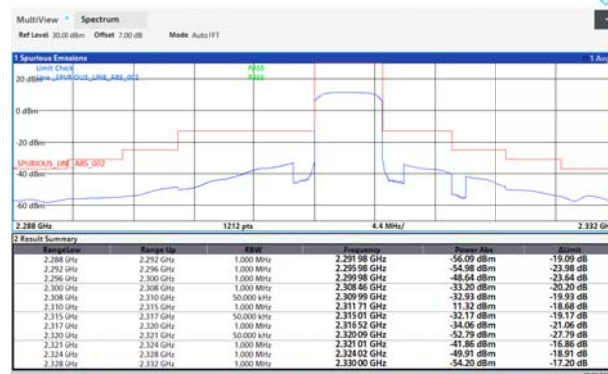
14:55:20 21.09.2022

LTE Band 40 Subset 1 QPSK 5MHz CH-Low, 100%RB



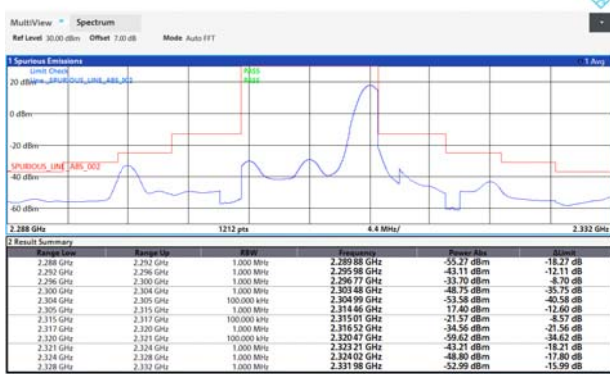
14:57:05 28.09.2022

LTE Band 40 Subset 1 QPSK 5MHz CH-High, 100%RB



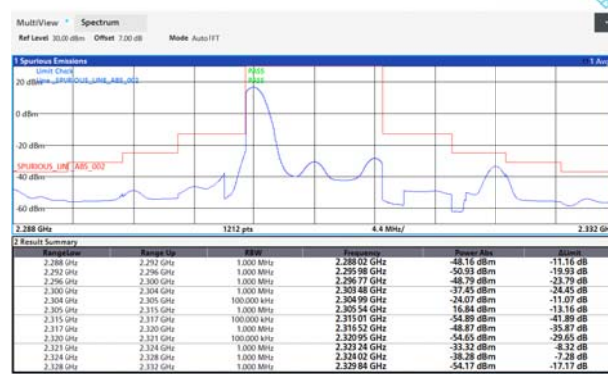
17:01:35 21.09.2022

LTE Band 40 Subset 1 QPSK 10MHz CH-Low, 1 RB



17:45:25 28.09.2022

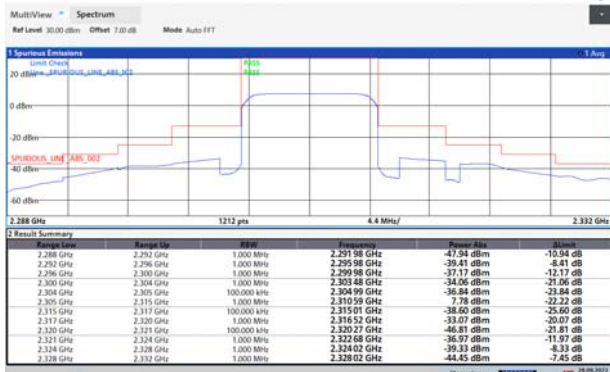
LTE Band 40 Subset 1 QPSK 10MHz CH-High, 1 RB



17:44:01 21.09.2022

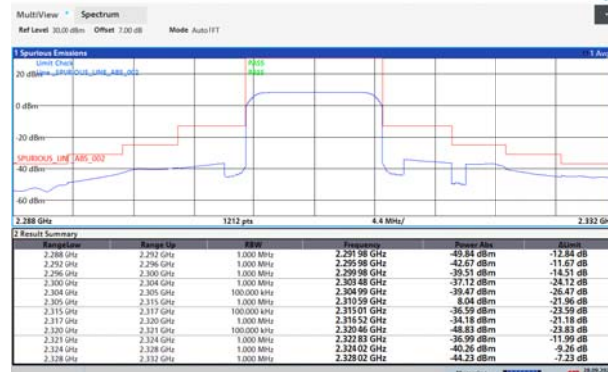


LTE Band 40 Subset 1 QPSK 10MHz CH-Low, 100%RB



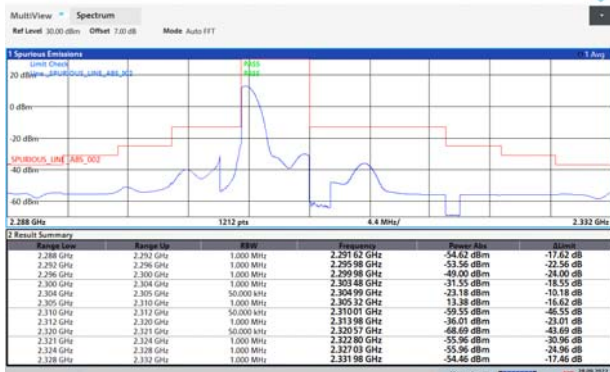
17:45:02 28.09.2022

LTE Band 40 Subset 1 QPSK 10MHz CH-High, 100%RB



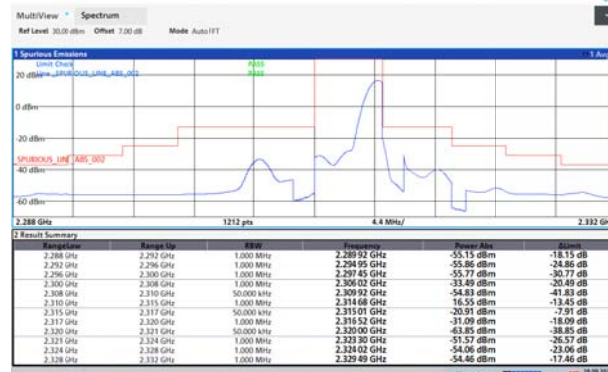
17:46:27 28.09.2022

LTE Band 40 Subset 1 16QAM 5MHz CH-Low, 1 RB



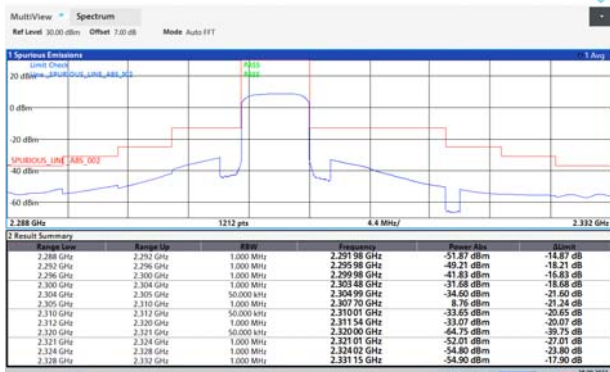
14:55:53 28.09.2022

LTE Band 40 Subset 1 16QAM 5MHz CH-High, 1 RB



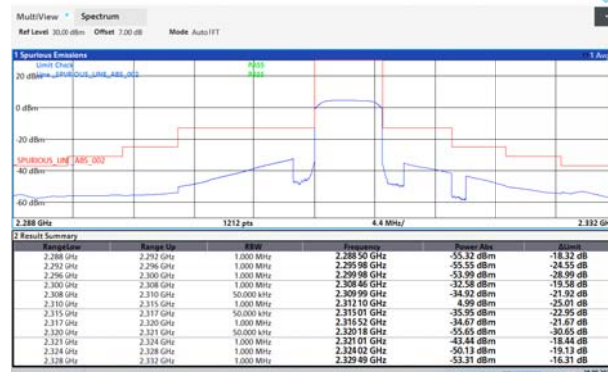
17:00:51 28.09.2022

LTE Band 40 Subset 1 16QAM 5MHz CH-Low, 100%RB



14:56:39 28.09.2022

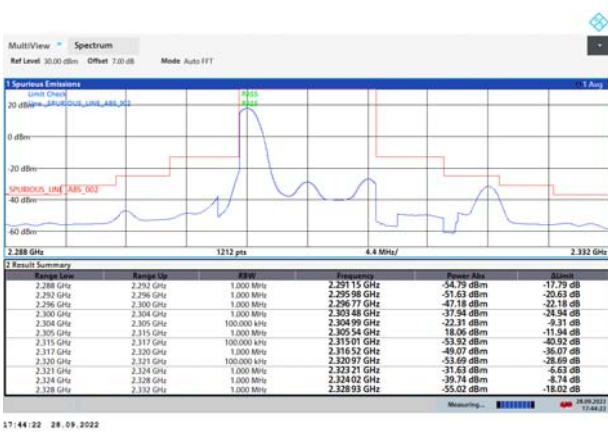
LTE Band 40 Subset 1 16QAM 5MHz CH-High, 100%RB



17:01:14 28.09.2022

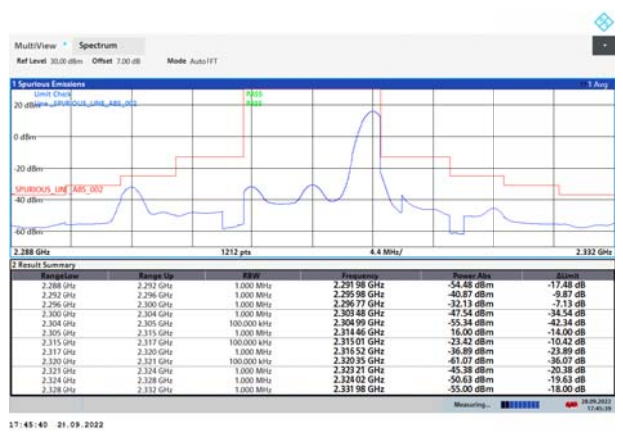


LTE Band 40 Subset 1 16QAM 10MHz CH-Low, 1 RB



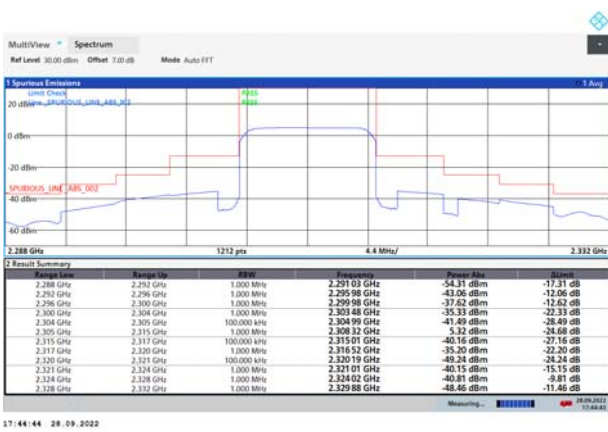
17:44:22 28.09.2022

LTE Band 40 Subset 1 16QAM 10MHz CH-High, 1 RB



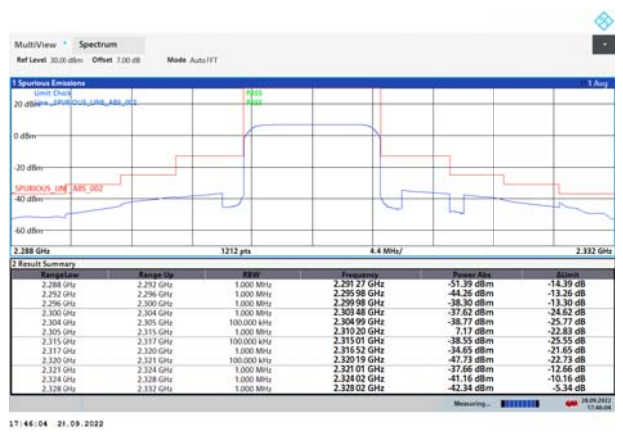
17:45:40 28.09.2022

LTE Band 40 Subset 1 16QAM 10MHz CH-Low, 100%RB



17:44:44 28.09.2022

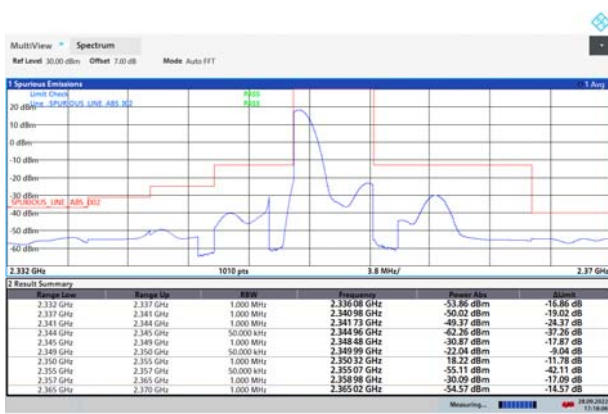
LTE Band 40 Subset 1 16QAM 10MHz CH-High, 100%RB



17:44:04 28.09.2022

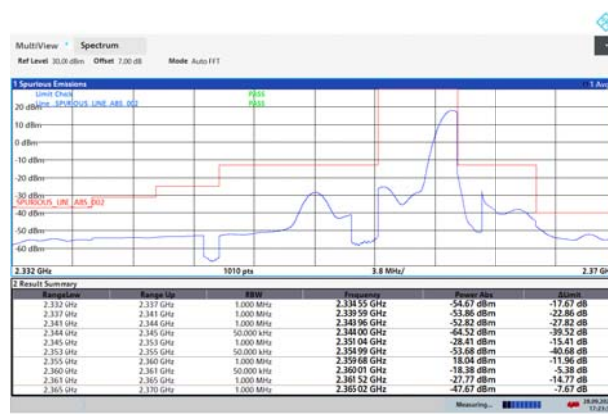


LTE Band 40 Subset 2 QPSK 5MHz CH-Low, 1 RB



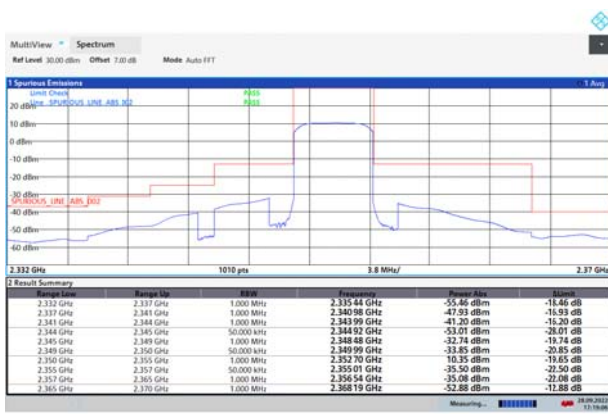
17:18:04 28.09.2022

LTE Band 40 Subset 2 QPSK 5MHz CH-High, 1 RB



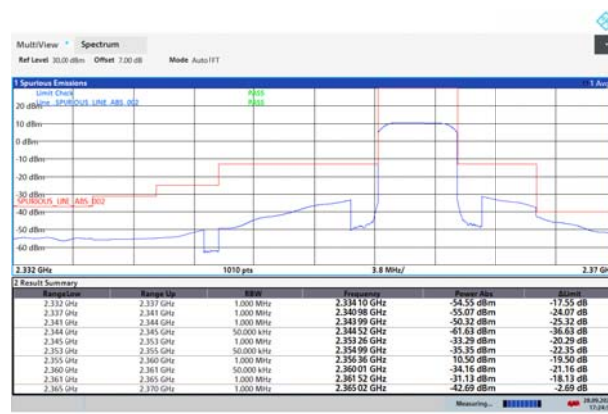
17:23:35 28.09.2022

LTE Band 40 Subset 2 QPSK 5MHz CH-Low, 100%RB



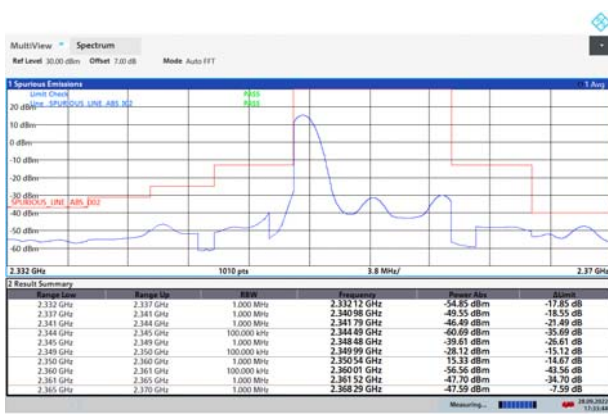
17:19:07 28.09.2022

LTE Band 40 Subset 2 QPSK 5MHz CH-High, 100%RB



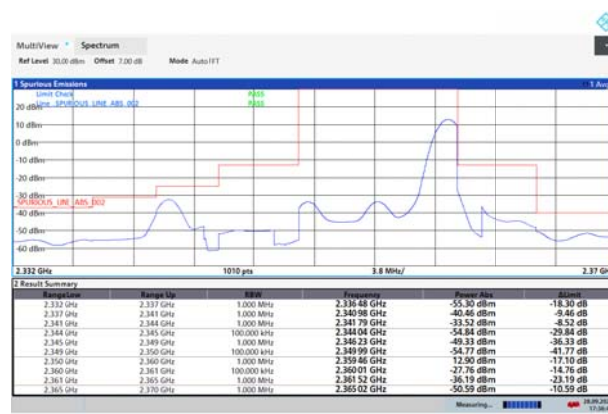
17:24:57 28.09.2022

LTE Band 40 Subset 2 QPSK 10MHz CH-Low, 1 RB



17:33:44 28.09.2022

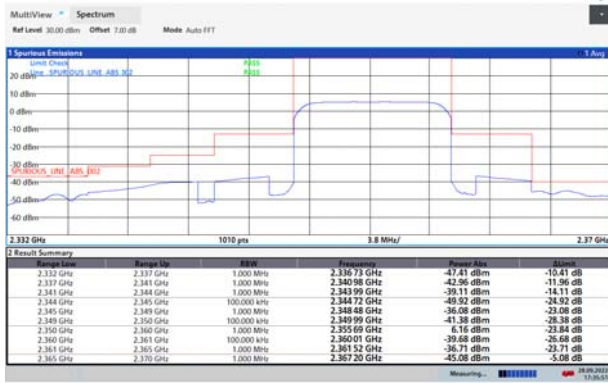
LTE Band 40 Subset 2 QPSK 10MHz CH-High, 1 RB



17:36:48 28.09.2022

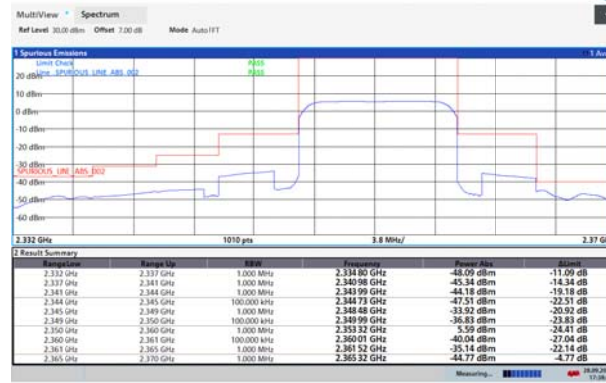


LTE Band 40 Subset 2 QPSK 10MHz CH-Low, 100%RB



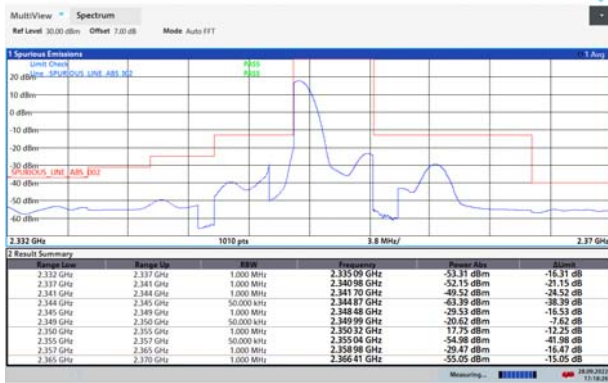
17:35:52 28.09.2022

LTE Band 40 Subset 2 QPSK 10MHz CH-High, 100%RB



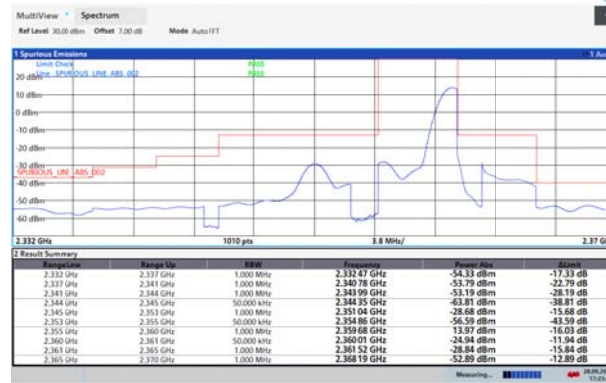
17:38:02 28.09.2022

LTE Band 40 Subset 2 16QAM 5MHz CH-Low, 1 RB



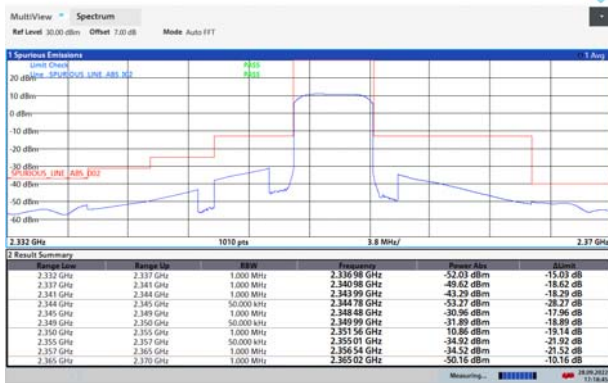
17:18:26 28.09.2022

LTE Band 40 Subset 2 16QAM 5MHz CH-High, 1 RB



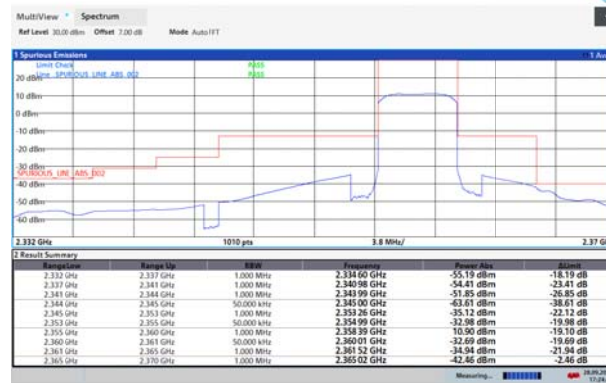
17:23:54 28.09.2022

LTE Band 40 Subset 2 16QAM 5MHz CH-Low, 100%RB



17:18:45 28.09.2022

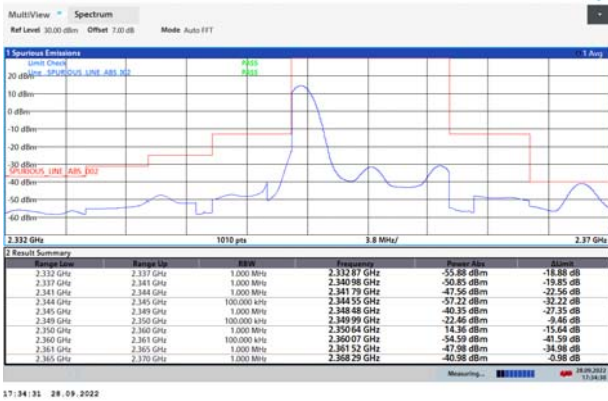
LTE Band 40 Subset 2 16QAM 5MHz CH-High, 100%RB



17:24:11 28.09.2022

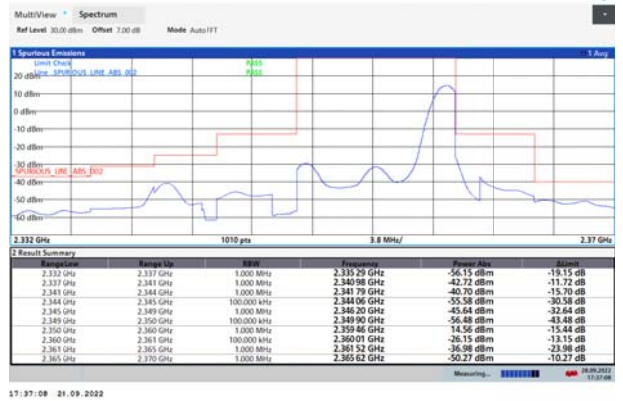


LTE Band 40 Subset 2 16QAM 10MHz CH-Low, 1 RB



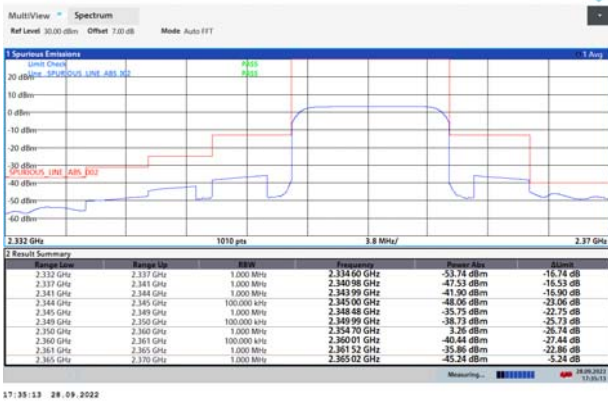
17:34:31 28.09.2022

LTE Band 40 Subset 2 16QAM 10MHz CH-High, 1 RB



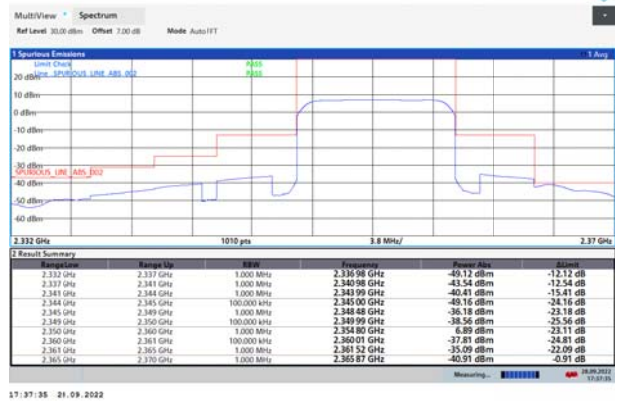
17:37:08 28.09.2022

LTE Band 40 Subset 2 16QAM 10MHz CH-Low, 100%RB



17:35:13 28.09.2022

LTE Band 40 Subset 2 16QAM 10MHz CH-High, 100%RB



17:37:35 28.09.2022

6.4 Peak-to-Average Power Ratio (PAPR)

LTE Band 4								
Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	Peak (dBm)	Avg (dBm)	PAPR (dB)	Limit (dB)	Conclusion
QPSK	1.4	19957	1710.7	28.23	22.81	5.42	≤13	PASS
		20175	1732.5	28.26	22.74	5.52	≤13	PASS
		20393	1754.3	28.14	22.72	5.42	≤13	PASS
	3	19965	1711.5	28.32	22.80	5.52	≤13	PASS
		20175	1732.5	28.30	22.74	5.56	≤13	PASS
		20385	1753.5	28.13	22.74	5.39	≤13	PASS
	5	19975	1712.5	28.35	22.76	5.59	≤13	PASS
		20175	1732.5	28.34	22.71	5.63	≤13	PASS
		20375	1752.5	28.47	22.77	5.70	≤13	PASS
	10	20000	1715	28.32	22.75	5.57	≤13	PASS
		20175	1732.5	28.30	22.72	5.58	≤13	PASS
		20350	1750	28.34	22.74	5.60	≤13	PASS
	15	20025	1717.5	28.73	22.81	5.92	≤13	PASS
		20175	1732.5	28.70	22.73	5.97	≤13	PASS
		20325	1747.5	28.64	22.73	5.91	≤13	PASS
	20	20050	1720	28.53	22.82	5.71	≤13	PASS
		20175	1732.5	28.44	22.73	5.71	≤13	PASS
		20300	1745	28.22	22.64	5.58	≤13	PASS
16QAM	1.4	19957	1710.7	28.00	21.76	6.24	≤13	PASS
		20175	1732.5	28.08	21.80	6.28	≤13	PASS
		20393	1754.3	28.28	21.87	6.41	≤13	PASS
	3	19965	1711.5	28.17	21.83	6.34	≤13	PASS
		20175	1732.5	28.19	21.81	6.38	≤13	PASS
		20385	1753.5	28.19	21.81	6.38	≤13	PASS
	5	19975	1712.5	28.03	21.76	6.27	≤13	PASS
		20175	1732.5	28.12	21.82	6.30	≤13	PASS
		20375	1752.5	28.24	21.85	6.39	≤13	PASS
	10	20000	1715	28.07	21.73	6.34	≤13	PASS
		20175	1732.5	28.11	21.77	6.34	≤13	PASS
		20350	1750	28.08	21.77	6.31	≤13	PASS
	15	20025	1717.5	28.20	21.79	6.41	≤13	PASS
		20175	1732.5	28.23	21.77	6.46	≤13	PASS
		20325	1747.5	28.18	21.73	6.45	≤13	PASS
	20	20050	1720	28.26	21.83	6.43	≤13	PASS



		20175	1732.5	28.21	21.77	6.44	≤13	PASS
		20300	1745	28.09	21.72	6.37	≤13	PASS

LTE Band 7								
Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	Peak (dBm)	Avg (dBm)	PAPR (dB)	Limit (dB)	Conclusion
QPSK	5	20775	2502.5	28.05	22.50	5.55	≤13	PASS
		21100	2535	27.59	22.08	5.51	≤13	PASS
		21425	2567.5	27.79	22.33	5.46	≤13	PASS
	10	20800	2505	28.23	22.55	5.68	≤13	PASS
		21100	2535	27.67	22.11	5.56	≤13	PASS
		21400	2565	27.65	22.29	5.36	≤13	PASS
	15	20825	2507.5	28.56	22.53	6.03	≤13	PASS
		21100	2535	27.98	22.12	5.86	≤13	PASS
		21375	2562.5	27.88	22.28	5.60	≤13	PASS
	20	20850	2510	28.25	22.49	5.76	≤13	PASS
		21100	2535	27.73	22.10	5.63	≤13	PASS
		21350	2560	27.59	22.11	5.48	≤13	PASS
16QAM	5	20775	2502.5	27.92	21.60	6.32	≤13	PASS
		21100	2535	27.45	21.17	6.28	≤13	PASS
		21425	2567.5	27.60	21.37	6.23	≤13	PASS
	10	20800	2505	28.06	21.59	6.47	≤13	PASS
		21100	2535	27.49	21.16	6.33	≤13	PASS
		21400	2565	27.55	21.40	6.15	≤13	PASS
	15	20825	2507.5	28.15	21.54	6.61	≤13	PASS
		21100	2535	27.58	21.15	6.43	≤13	PASS
		21375	2562.5	27.53	21.28	6.25	≤13	PASS
	20	20850	2510	28.01	21.52	6.49	≤13	PASS
		21100	2535	27.54	21.15	6.39	≤13	PASS
		21350	2560	27.43	21.17	6.26	≤13	PASS



LTE Band 40 Subset 1								
Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	Peak (dBm)	Avg (dBm)	PAPR (dB)	Limit (dB)	Conclusion
QPSK	5	38725	2307.5	26.51	17.21	9.30	≤13	PASS
		38750	2310	26.59	17.33	9.26	≤13	PASS
		38775	2312.5	26.73	17.50	9.23	≤13	PASS
	10	38750	2310	26.57	16.91	9.66	≤13	PASS
16QAM	5	38725	2307.5	26.42	18.19	8.23	≤13	PASS
		38750	2310	26.36	16.64	9.72	≤13	PASS
		38775	2312.5	26.44	17.04	9.40	≤13	PASS
	10	38750	2310	26.45	16.86	9.59	≤13	PASS

LTE Band 40 Subset 2								
Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	Peak (dBm)	Avg (dBm)	PAPR (dB)	Limit (dB)	Conclusion
QPSK	5	39175	2352.5	26.87	18.49	8.38	≤13	PASS
		39200	2355	26.73	17.24	9.49	≤13	PASS
		39225	2357.5	26.93	18.68	8.25	≤13	PASS
	10	39200	2355	26.75	17.22	9.53	≤13	PASS
16QAM	5	39175	2352.5	26.34	15.28	11.06	≤13	PASS
		39200	2355	26.56	17.04	9.52	≤13	PASS
		39225	2357.5	26.53	17.11	9.42	≤13	PASS
	10	39200	2355	26.63	17.32	9.31	≤13	PASS

6.5 Frequency Stability

LTE Band 4						
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	1.4MHz					
Temperature	Voltage	16QAM	QPSK	16QAM	QPSK	
Normal (25°C)	Normal	11.07	7.51	0.00639	0.00433	PASS
Extreme (50°C)		8.15	10.67	0.00470	0.00616	PASS
Extreme (40°C)		11.42	15.20	0.00659	0.00877	PASS
Extreme (30°C)		8.71	3.29	0.00503	0.00190	PASS
Extreme (20°C)		14.97	8.36	0.00864	0.00482	PASS
Extreme (10°C)		6.58	8.99	0.00380	0.00519	PASS
Extreme (0°C)		1.48	12.97	0.00085	0.00748	PASS
Extreme (-10°C)		1.67	1.42	0.00096	0.00082	PASS
Extreme (-20°C)		13.57	8.63	0.00783	0.00498	PASS
Extreme (-30°C)		13.40	6.96	0.00773	0.00402	PASS
25°C		LV	10.94	11.56	0.00631	0.00667
	HV	10.26	7.82	0.00592	0.00452	PASS
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	4.35	11.44	0.00251	0.00660	PASS
Extreme (50°C)		11.68	13.50	0.00674	0.00779	PASS
Extreme (40°C)		3.21	2.13	0.00185	0.00123	PASS
Extreme (30°C)		7.21	7.08	0.00416	0.00408	PASS
Extreme (20°C)		6.41	12.42	0.00370	0.00717	PASS
Extreme (10°C)		9.03	3.75	0.00521	0.00216	PASS
Extreme (0°C)		8.24	14.74	0.00476	0.00851	PASS
Extreme (-10°C)		12.89	7.65	0.00744	0.00442	PASS
Extreme (-20°C)		10.08	17.08	0.00582	0.00986	PASS
Extreme (-30°C)		10.26	9.78	0.00592	0.00564	PASS
25°C		LV	4.73	13.28	0.00273	0.00766
	HV	17.36	9.68	0.01002	0.00559	PASS
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	5MHz					
Temperature	Voltage	16QAM	QPSK	16QAM	QPSK	
Normal (25°C)	Normal	2.05	15.27	0.00118	0.00881	PASS



Extreme (50°C)		11.96	15.77	0.00691	0.00910	PASS
Extreme (40°C)		15.60	16.50	0.00900	0.00952	PASS
Extreme (30°C)		9.98	8.23	0.00576	0.00475	PASS
Extreme (20°C)		6.38	12.34	0.00368	0.00712	PASS
Extreme (10°C)		14.93	10.65	0.00862	0.00615	PASS
Extreme (0°C)		9.53	2.40	0.00550	0.00139	PASS
Extreme (-10°C)		13.23	16.72	0.00763	0.00965	PASS
Extreme (-20°C)		9.07	15.54	0.00524	0.00897	PASS
Extreme (-30°C)		6.49	14.14	0.00375	0.00816	PASS
25°C	LV	16.97	13.78	0.00979	0.00795	PASS
	HV	1.60	11.78	0.00092	0.00680	PASS
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	10MHz					
Temperature	Voltage	16QAM	QPSK	16QAM	QPSK	
Normal (25°C)	Normal	7.22	2.23	0.00417	0.00129	PASS
Extreme (50°C)		9.32	15.55	0.00538	0.00897	PASS
Extreme (40°C)		14.76	14.94	0.00852	0.00862	PASS
Extreme (30°C)		13.95	1.37	0.00805	0.00079	PASS
Extreme (20°C)		14.88	16.65	0.00859	0.00961	PASS
Extreme (10°C)		1.39	5.13	0.00080	0.00296	PASS
Extreme (0°C)		4.34	1.27	0.00251	0.00074	PASS
Extreme (-10°C)		12.24	13.32	0.00706	0.00769	PASS
Extreme (-20°C)		4.32	13.30	0.00249	0.00768	PASS
Extreme (-30°C)		15.13	16.84	0.00873	0.00972	PASS
25°C	LV	2.25	5.99	0.00130	0.00346	PASS
	HV	12.65	3.66	0.00730	0.00211	PASS
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	15MHz					
Temperature	Voltage	16QAM	QPSK	16QAM	QPSK	
Normal (25°C)	Normal	14.78	17.00	0.00853	0.00981	PASS
Extreme (50°C)		7.83	13.58	0.00452	0.00784	PASS
Extreme (40°C)		14.68	17.30	0.00847	0.00999	PASS
Extreme (30°C)		3.65	1.96	0.00211	0.00113	PASS
Extreme (20°C)		15.02	16.38	0.00867	0.00945	PASS
Extreme (10°C)		14.13	16.41	0.00815	0.00947	PASS
Extreme (0°C)		3.94	16.14	0.00227	0.00932	PASS
Extreme (-10°C)		10.56	9.54	0.00610	0.00550	PASS
Extreme (-20°C)		5.55	4.16	0.00320	0.00240	PASS
Extreme (-30°C)		6.05	14.74	0.00349	0.00851	PASS



25°C	LV	8.20	10.60	0.00473	0.00612	PASS
	HV	16.36	13.69	0.00944	0.00790	PASS
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	20MHz					
Temperature	Voltage	16QAM	QPSK	16QAM	QPSK	
Normal (25°C)	Normal	16.02	14.37	0.00925	0.00830	
Extreme (50°C)		15.93	6.60	0.00919	0.00381	PASS
Extreme (40°C)		15.47	6.50	0.00893	0.00375	PASS
Extreme (30°C)		9.31	17.14	0.00538	0.00990	PASS
Extreme (20°C)		6.74	2.01	0.00389	0.00116	PASS
Extreme (10°C)		16.94	3.45	0.00978	0.00199	PASS
Extreme (0°C)		16.74	14.84	0.00966	0.00856	PASS
Extreme (-10°C)		5.55	10.86	0.00321	0.00627	PASS
Extreme (-20°C)		16.88	1.93	0.00974	0.00111	PASS
Extreme (-30°C)		6.26	13.57	0.00361	0.00783	PASS
25°C	LV	6.36	2.92	0.00367	0.00168	PASS
	HV	8.23	16.89	0.00475	0.00975	PASS

LTE Band 7						
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	5MHz					
Temperature	Voltage	16QAM	QPSK	16QAM	QPSK	
Normal (25°C)	Normal	15.75	11.90	0.00621	0.00469	
Extreme (50°C)		8.63	8.31	0.00341	0.00328	PASS
Extreme (40°C)		16.48	7.26	0.00650	0.00286	PASS
Extreme (30°C)		16.54	13.08	0.00653	0.00516	PASS
Extreme (20°C)		11.14	2.71	0.00440	0.00107	PASS
Extreme (10°C)		11.86	15.81	0.00468	0.00623	PASS
Extreme (0°C)		11.52	14.88	0.00455	0.00587	PASS
Extreme (-10°C)		10.29	5.26	0.00406	0.00207	PASS
Extreme (-20°C)		3.60	7.83	0.00142	0.00309	PASS
Extreme (-30°C)		5.30	5.87	0.00209	0.00232	PASS
25°C	LV	8.93	8.21	0.00352	0.00324	PASS
	HV	8.16	12.50	0.00322	0.00493	PASS
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	10MHz					
Temperature	Voltage	16QAM	QPSK	16QAM	QPSK	
Normal (25°C)	Normal	16.93	10.14	0.00668	0.00400	



Extreme (50°C)		5.77	7.84	0.00228	0.00309	PASS
Extreme (40°C)		1.35	8.01	0.00053	0.00316	PASS
Extreme (30°C)		17.91	14.28	0.00707	0.00563	PASS
Extreme (20°C)		17.07	6.59	0.00673	0.00260	PASS
Extreme (10°C)		9.59	10.93	0.00378	0.00431	PASS
Extreme (0°C)		3.06	1.25	0.00121	0.00049	PASS
Extreme (-10°C)		5.53	6.29	0.00218	0.00248	PASS
Extreme (-20°C)		16.48	7.19	0.00650	0.00284	PASS
Extreme (-30°C)		16.76	1.74	0.00661	0.00069	PASS
25°C	LV	3.17	11.60	0.00125	0.00457	PASS
	HV	10.58	5.74	0.00417	0.00226	PASS
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	15MHz					
Temperature	Voltage	16QAM	QPSK	16QAM	QPSK	
Normal (25°C)	Normal	9.50	15.21	0.00375	0.00600	PASS
Extreme (50°C)		1.77	15.44	0.00070	0.00609	PASS
Extreme (40°C)		9.03	13.35	0.00356	0.00527	PASS
Extreme (30°C)		15.07	17.47	0.00594	0.00689	PASS
Extreme (20°C)		7.21	12.73	0.00284	0.00502	PASS
Extreme (10°C)		1.57	4.42	0.00062	0.00174	PASS
Extreme (0°C)		8.88	17.65	0.00350	0.00696	PASS
Extreme (-10°C)		6.53	6.23	0.00258	0.00246	PASS
Extreme (-20°C)		13.46	9.78	0.00531	0.00386	PASS
Extreme (-30°C)		3.97	12.33	0.00157	0.00486	PASS
25°C	LV	11.47	14.39	0.00452	0.00568	PASS
	HV	12.86	6.44	0.00507	0.00254	PASS
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	20MHz					
Temperature	Voltage	16QAM	QPSK	16QAM	QPSK	
Normal (25°C)	Normal	15.10	14.57	0.00596	0.00575	PASS
Extreme (50°C)		11.59	15.82	0.00457	0.00624	PASS
Extreme (40°C)		1.77	2.32	0.00070	0.00091	PASS
Extreme (30°C)		7.39	4.92	0.00291	0.00194	PASS
Extreme (20°C)		17.83	15.45	0.00704	0.00609	PASS
Extreme (10°C)		16.85	7.55	0.00665	0.00298	PASS
Extreme (0°C)		9.87	9.99	0.00389	0.00394	PASS
Extreme (-10°C)		9.14	2.86	0.00360	0.00113	PASS
Extreme (-20°C)		2.50	5.69	0.00099	0.00225	PASS
Extreme (-30°C)		16.06	6.63	0.00634	0.00262	PASS



25°C	LV	7.20	1.51	0.00284	0.00060	PASS
	HV	4.30	15.76	0.00170	0.00622	PASS

LTE Band 40 Subset 1						
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	5MHz					
Temperature	Voltage	16QAM	QPSK	16QAM	QPSK	
Normal (25°C)	Normal	17.66	2.47	0.00764	0.00107	PASS
Extreme (50°C)		2.65	13.47	0.00115	0.00583	PASS
Extreme (40°C)		11.78	17.22	0.00510	0.00746	PASS
Extreme (30°C)		13.65	7.74	0.00591	0.00335	PASS
Extreme (20°C)		5.42	12.60	0.00235	0.00545	PASS
Extreme (10°C)		7.16	2.21	0.00310	0.00096	PASS
Extreme (0°C)		1.60	14.94	0.00069	0.00647	PASS
Extreme (-10°C)		2.02	12.37	0.00087	0.00535	PASS
Extreme (-20°C)		4.05	2.21	0.00175	0.00096	PASS
Extreme (-30°C)		5.15	1.17	0.00223	0.00051	PASS
25°C		LV	9.56	11.77	0.00414	0.00510
	HV	1.19	15.91	0.00052	0.00689	PASS
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	10MHz					
Temperature	Voltage	16QAM	QPSK	16QAM	QPSK	
Normal (25°C)	Normal	16.70	9.96	0.00723	0.00431	PASS
Extreme (50°C)		5.40	1.86	0.00234	0.00081	PASS
Extreme (40°C)		14.51	15.11	0.00628	0.00654	PASS
Extreme (30°C)		13.33	10.84	0.00577	0.00469	PASS
Extreme (20°C)		11.02	10.16	0.00477	0.00440	PASS
Extreme (10°C)		10.57	8.28	0.00458	0.00358	PASS
Extreme (0°C)		9.68	5.95	0.00419	0.00258	PASS
Extreme (-10°C)		6.85	2.91	0.00296	0.00126	PASS
Extreme (-20°C)		6.06	9.35	0.00262	0.00405	PASS
Extreme (-30°C)		9.05	5.23	0.00392	0.00227	PASS
25°C		LV	6.09	16.51	0.00263	0.00715
	HV	15.91	1.26	0.00689	0.00054	PASS

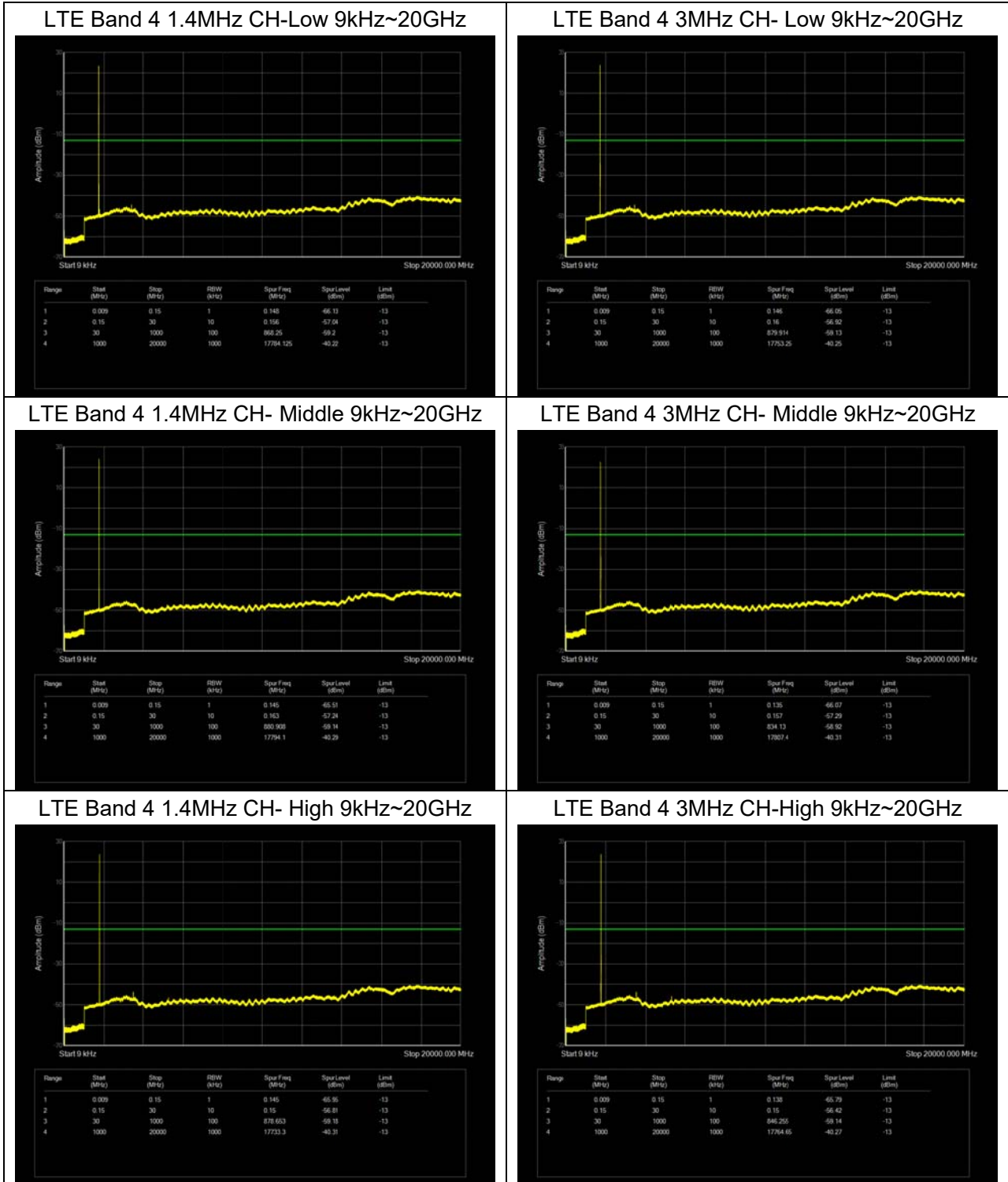
LTE Band 40 Subset 2						
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	5MHz					
Temperature	Voltage	16QAM	QPSK	16QAM	QPSK	
Normal (25°C)	Normal	3.62	3.01	0.00154	0.00128	PASS
Extreme (50°C)		10.13	10.57	0.00430	0.00449	PASS
Extreme (40°C)		11.19	2.40	0.00475	0.00102	PASS
Extreme (30°C)		1.43	14.21	0.00061	0.00603	PASS
Extreme (20°C)		6.01	3.82	0.00255	0.00162	PASS
Extreme (10°C)		17.59	4.97	0.00747	0.00211	PASS
Extreme (0°C)		6.95	10.45	0.00295	0.00444	PASS
Extreme (-10°C)		4.46	7.10	0.00189	0.00301	PASS
Extreme (-20°C)		5.84	17.62	0.00248	0.00748	PASS
Extreme (-30°C)		7.64	7.22	0.00324	0.00307	PASS
25°C		LV	10.38	5.02	0.00441	0.00213
	HV	4.40	6.48	0.00187	0.00275	PASS
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	10MHz					
Temperature	Voltage	16QAM	QPSK	16QAM	QPSK	
Normal (25°C)	Normal	7.26	13.94	0.00308	0.00592	PASS
Extreme (50°C)		16.72	10.10	0.00710	0.00429	PASS
Extreme (40°C)		12.15	13.25	0.00516	0.00563	PASS
Extreme (30°C)		14.27	8.56	0.00606	0.00363	PASS
Extreme (20°C)		7.32	16.27	0.00311	0.00691	PASS
Extreme (10°C)		1.93	8.63	0.00082	0.00367	PASS
Extreme (0°C)		16.49	4.78	0.00700	0.00203	PASS
Extreme (-10°C)		15.68	10.05	0.00666	0.00427	PASS
Extreme (-20°C)		10.69	16.15	0.00454	0.00686	PASS
Extreme (-30°C)		14.28	6.59	0.00606	0.00280	PASS
25°C		LV	15.94	3.34	0.00677	0.00142
	HV	9.59	5.27	0.00407	0.00224	PASS



6.6 Spurious Emissions at Antenna Terminals

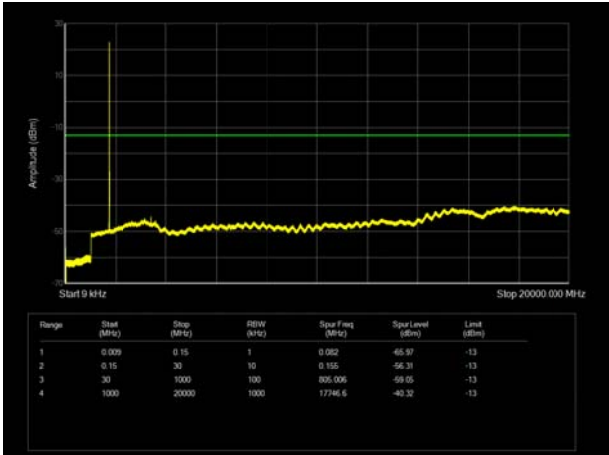
Sweep the whole frequency band through the range from 9kHz to the 10th harmonic of the carrier, the emissions more than 20 dB below the limit are not reported.

The signal beyond the limit is carrier.

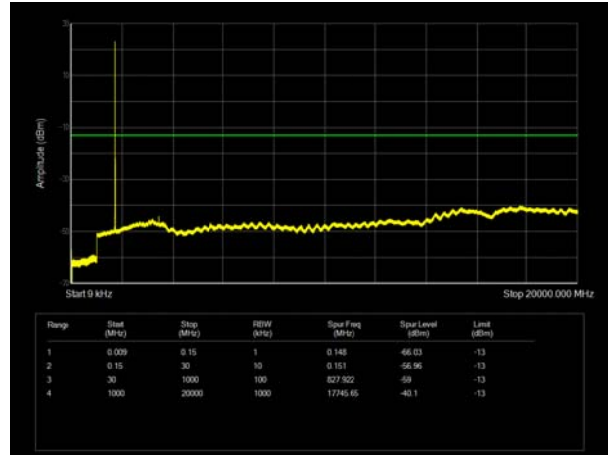




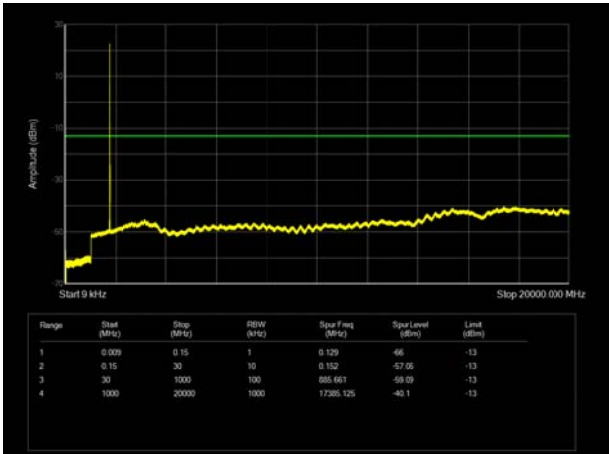
LTE Band 4 5MHz CH- Low 9kHz~20GHz



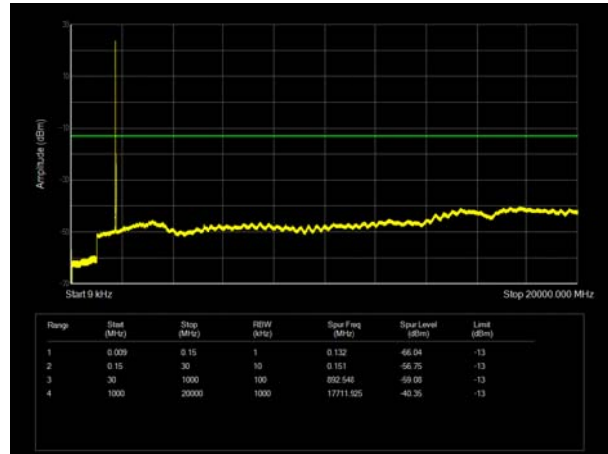
LTE Band 4 10MHz CH-Low 9kHz~20GHz



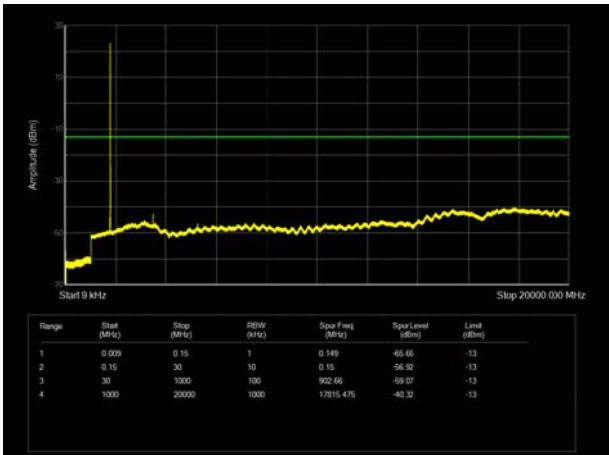
LTE Band 4 5MHz CH- Middle 9kHz~20GHz



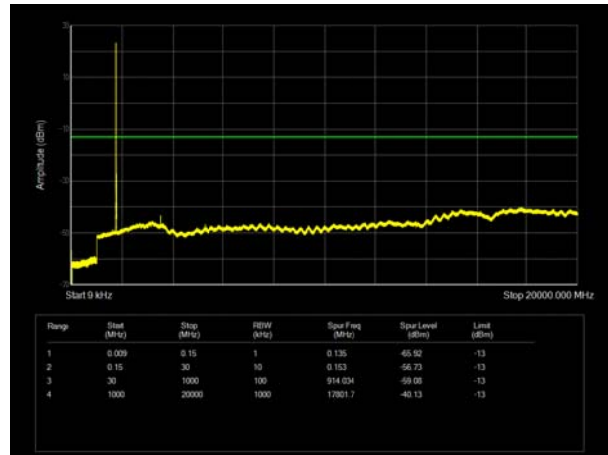
LTE Band 4 10MHz CH- Middle 9kHz~20GHz



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

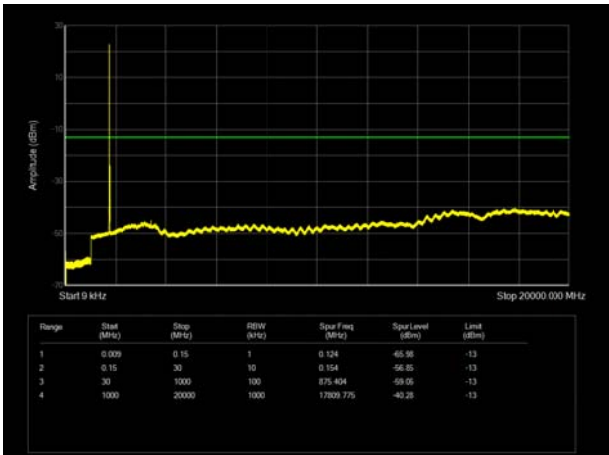


LTE Band 4 10MHz CH- High 9kHz~20GHz

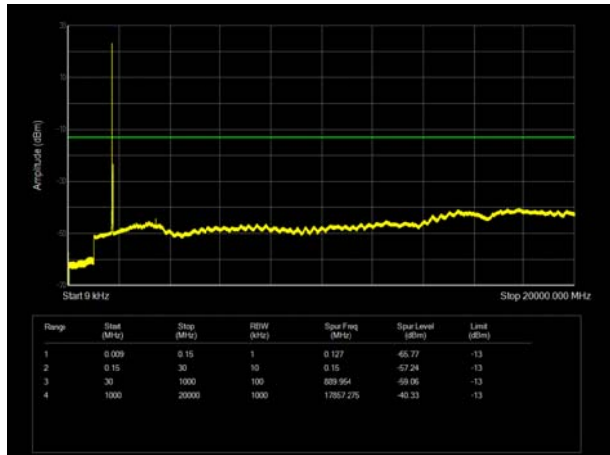




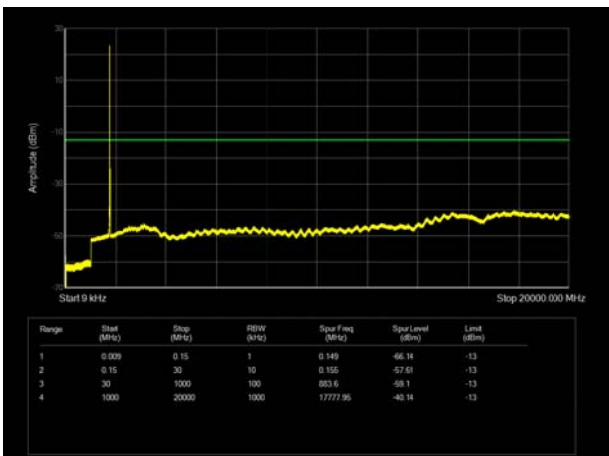
LTE Band 4 15MHz CH- Low 9kHz~20GHz



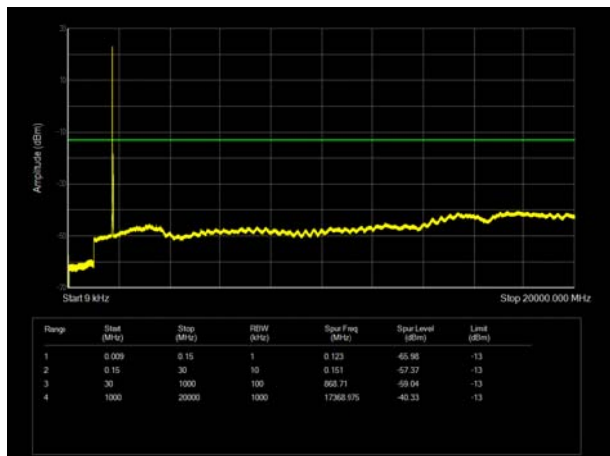
LTE Band 4 20MHz CH-Low 9kHz~20GHz



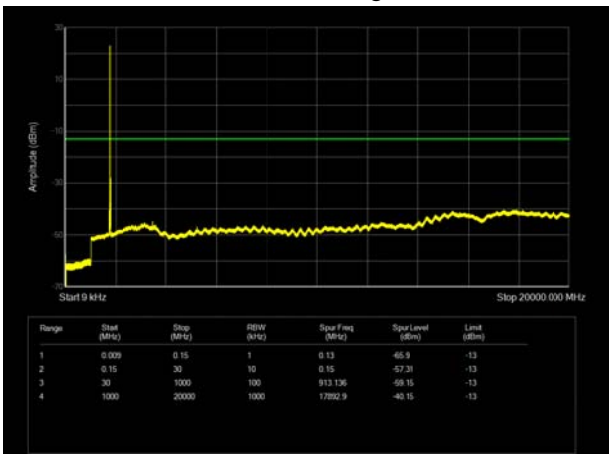
LTE Band 4 15MHz CH- Middle 9kHz~20GHz



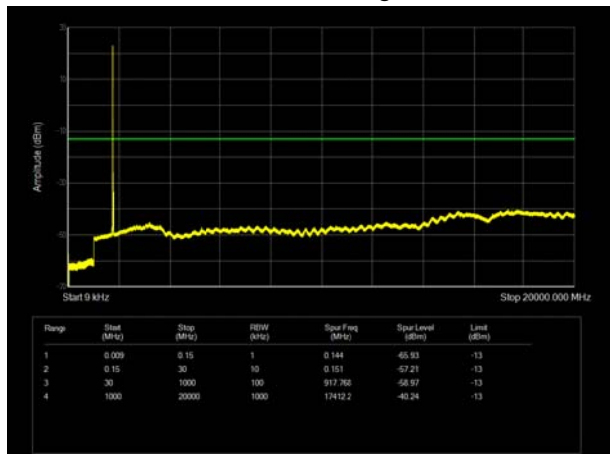
LTE Band 4 20MHz CH- Middle 9kHz~20GHz



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

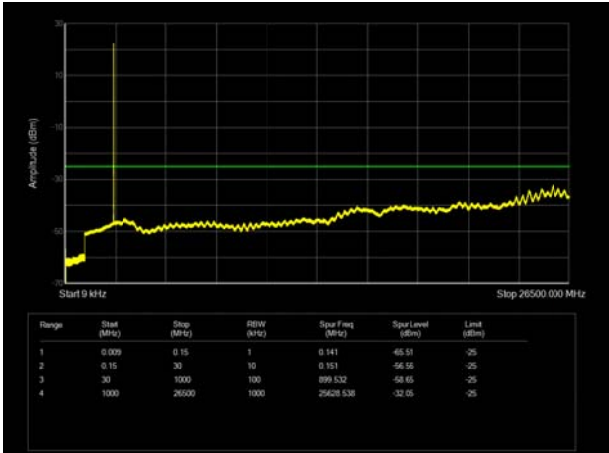


LTE Band 4 20MHz CH- High 9kHz~20GHz

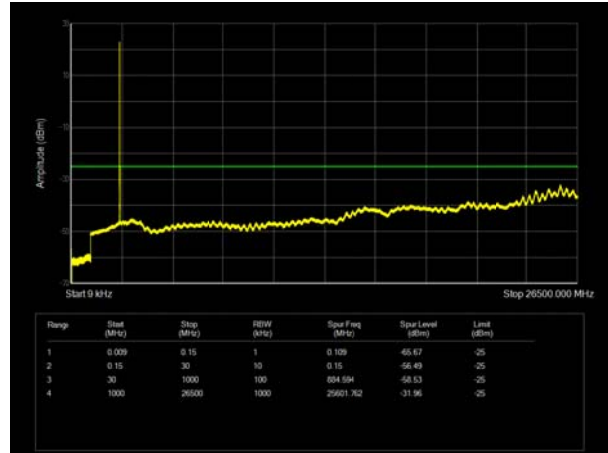




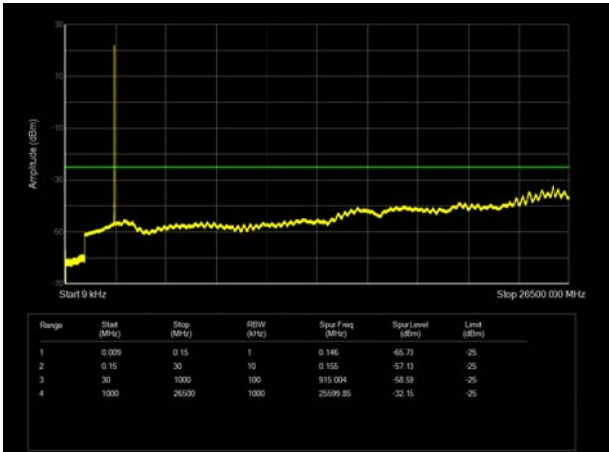
LTE Band 7 5MHz CH- Low 9kHz~26.5GHz



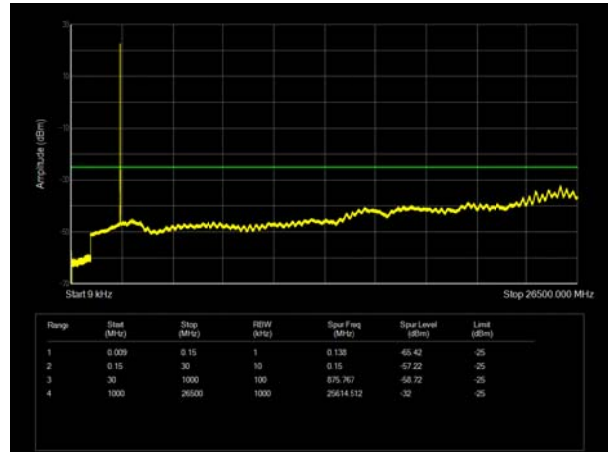
LTE Band 7 10MHz CH-Low 9kHz~26.5GHz



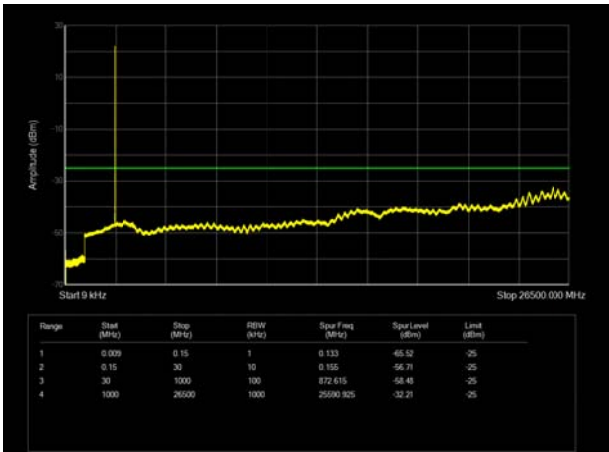
LTE Band 7 5MHz CH- Middle 9kHz~26.5GHz



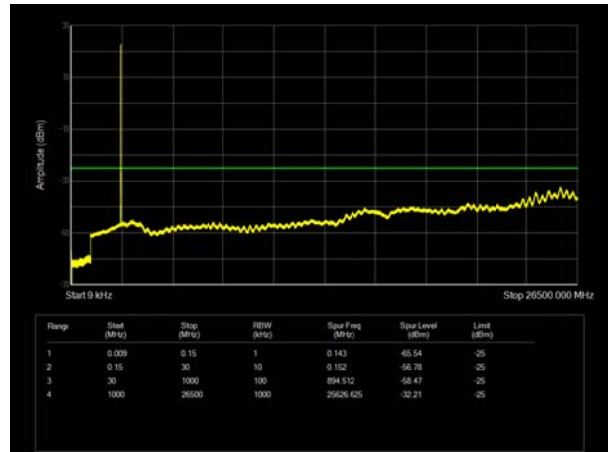
LTE Band 7 10MHz CH- Middle 9kHz~26.5GHz



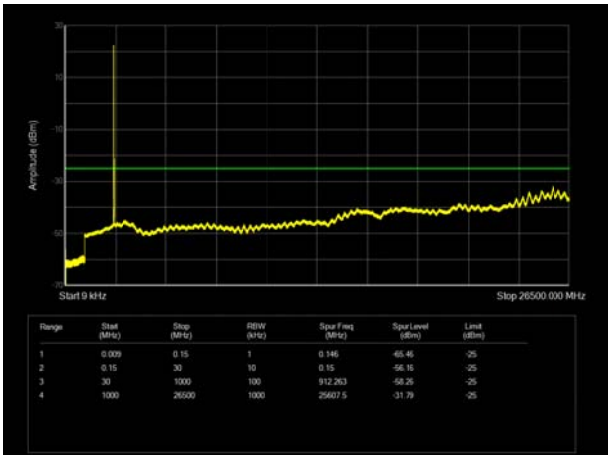
LTE Band 7 5MHz CH-High 9kHz~26.5GHz



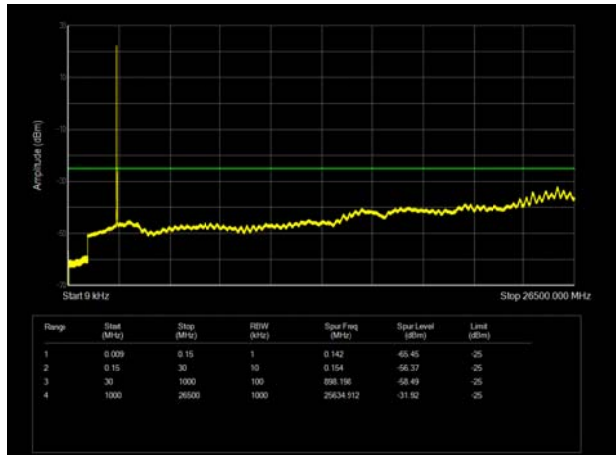
LTE Band 7 10MHz CH- High 9kHz~26.5GHz



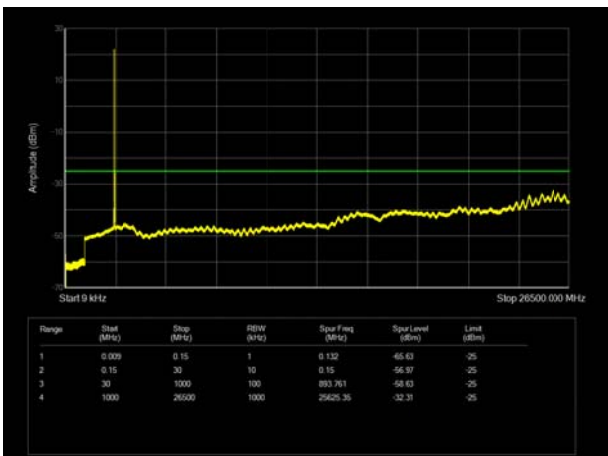
LTE Band 7 15MHz CH- Low 9kHz~26.5GHz



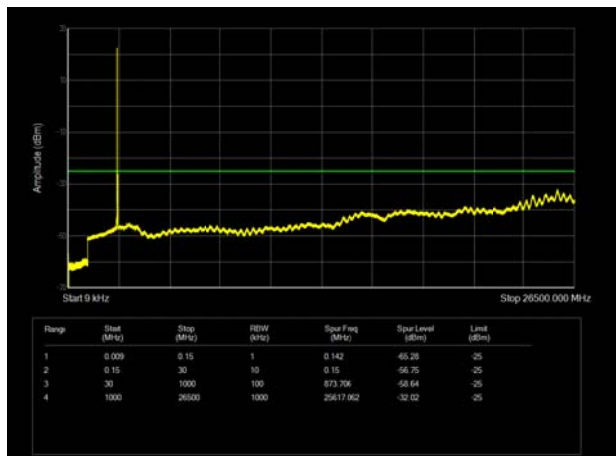
LTE Band 7 20MHz CH-Low 9kHz~26.5GHz



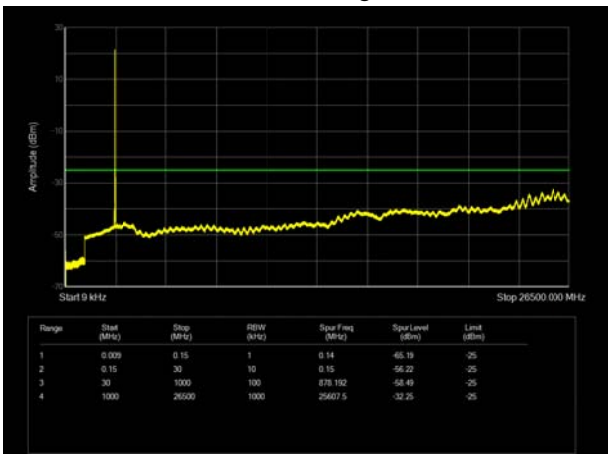
LTE Band 7 15MHz CH- Middle 9kHz~26.5GHz



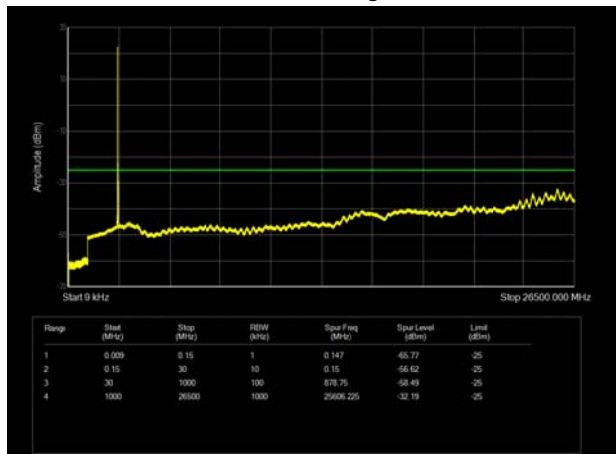
LTE Band 7 20MHz CH- Middle 9kHz~26.5GHz



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

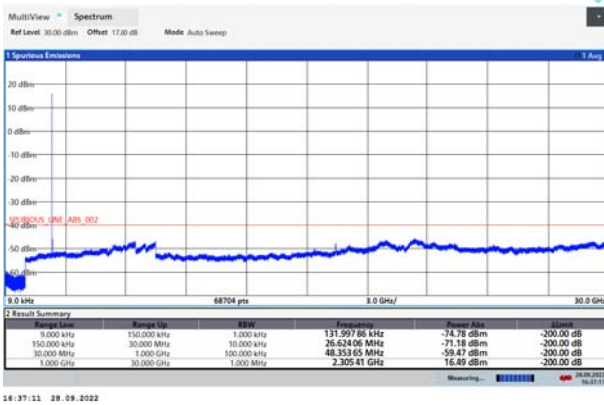


LTE Band 7 20MHz CH- High 9kHz~26.5GHz

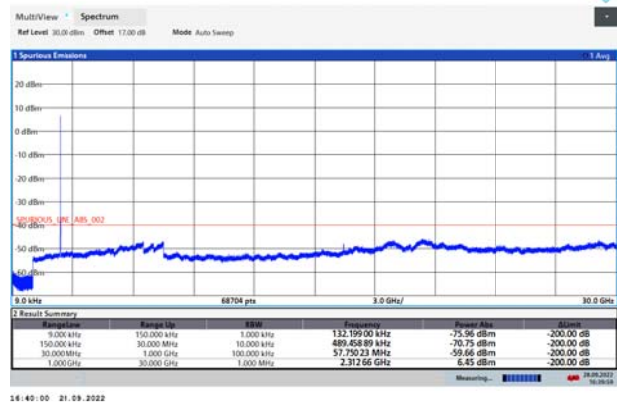




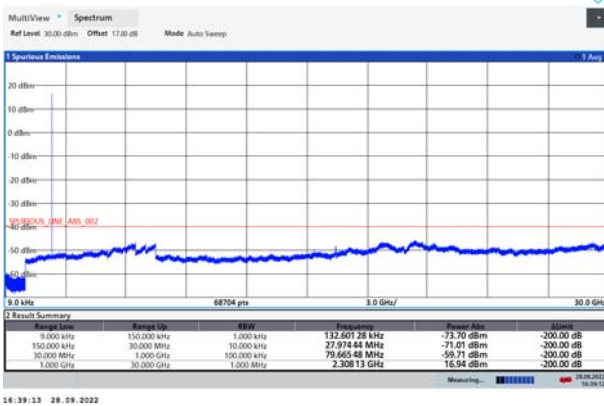
LTE Band 40 Subset 1 5MHz CH- Low 9kHz~30GHz



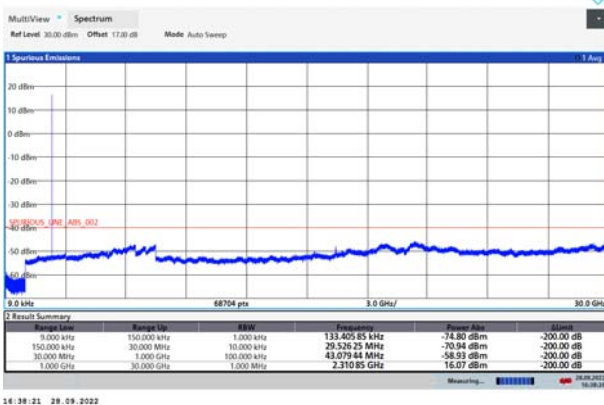
LTE Band 40 Subset 1 10MHz 9kHz~30GHz



LTE Band 40 Subset 1 5MHz CH- Middle 9kHz~30GHz

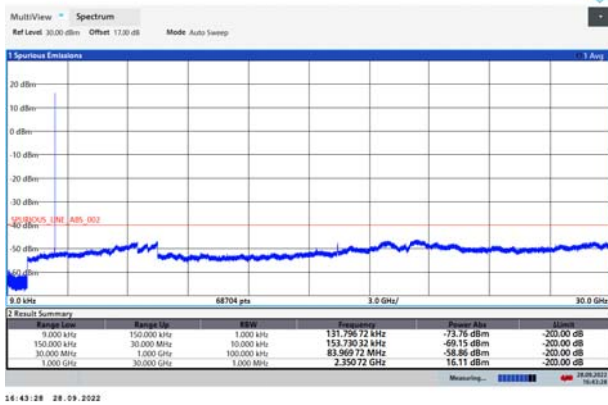


LTE Band 40 Subset 1 5MHz CH-High 9kHz~30GHz



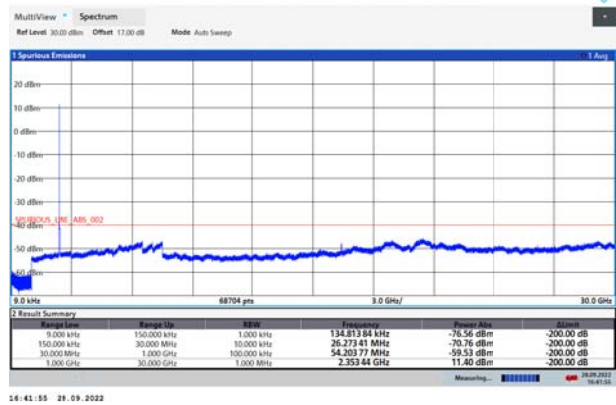


LTE Band 40 Subset 2 5MHz CH- Low 9kHz~30GHz



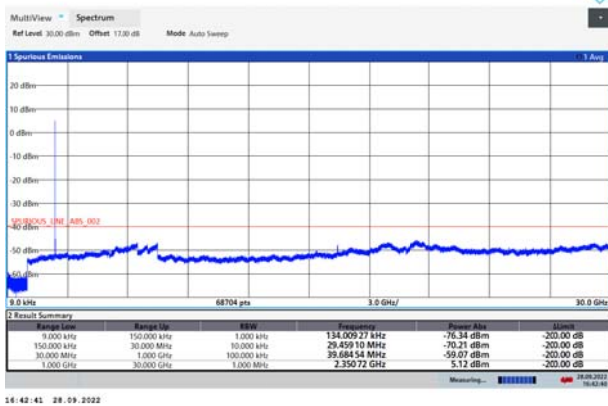
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LTE Band 40 Subset 2 10MHz 9kHz~30GHz



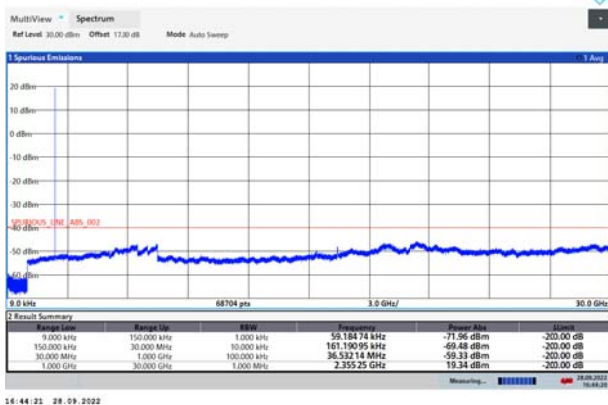
16:41:55 28.09.2022

LTE Band 40 Subset 2 5MHz CH- Middle 9kHz~30GHz



16:42:41 28.09.2022

LTE Band 40 Subset 2 5MHz CH-High 9kHz~30GHz



16:44:22 28.09.2022



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	3422.00	-59.89	2.70	12.70	Horizontal	-49.89	-13.00	36.89	270
3	5132.00	-47.28	3.20	12.50	Horizontal	-37.98	-13.00	24.98	270
4	6844.00	-58.12	4.20	11.80	Horizontal	-50.52	-13.00	37.52	0
5	8662.50	-53.79	4.40	12.50	Horizontal	-45.69	-13.00	32.69	225
6	10395.00	-51.29	4.70	11.30	Horizontal	-44.69	-13.00	31.69	45
7	11977.00	-48.28	5.20	13.80	Horizontal	-39.68	-13.00	26.68	90
8	13860.00	-51.53	5.70	11.30	Horizontal	-45.93	-13.00	32.93	90
9	15592.50	-53.19	6.10	16.80	Horizontal	-42.49	-13.00	29.49	0
10	17325.00	-50.49	6.10	14.20	Horizontal	-42.39	-13.00	29.39	270

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 Horizontal 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	-61.13	2.70	12.70	Horizontal	-51.13	-13.00	38.13	225
3	5191.50	-42.41	3.20	12.50	Horizontal	-33.11	-13.00	20.11	45
4	6930.00	-60.88	4.20	11.80	Horizontal	-53.28	-13.00	40.28	0
5	8662.50	-57.35	4.40	12.50	Horizontal	-49.25	-13.00	36.25	45
6	10395.00	-54.48	4.70	11.30	Horizontal	-47.88	-13.00	34.88	0
7	12127.50	-52.83	5.20	13.80	Horizontal	-44.23	-13.00	31.23	45
8	13860.00	-52.85	5.70	11.30	Horizontal	-47.25	-13.00	34.25	135
9	15592.50	-53.57	6.10	16.80	Horizontal	-42.87	-13.00	29.87	270
10	17325.00	-50.25	6.10	14.20	Horizontal	-42.15	-13.00	29.15	270

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 Horizontal 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	-59.85	2.70	12.70	Horizontal	-49.85	-13.00	36.85	0
3	5170.88	-46.53	3.20	12.50	Horizontal	-37.23	-13.00	24.23	225
4	6930.00	-61.83	4.20	11.80	Horizontal	-54.23	-13.00	41.23	45
5	8662.50	-57.35	4.40	12.50	Horizontal	-49.25	-13.00	36.25	0
6	10395.00	-53.85	4.70	11.30	Horizontal	-47.25	-13.00	34.25	45
7	12127.50	-54.92	5.20	13.80	Horizontal	-46.32	-13.00	33.32	135
8	13860.00	-51.76	5.70	11.30	Horizontal	-46.16	-13.00	33.16	225
9	15592.50	-54.00	6.10	16.80	Horizontal	-43.30	-13.00	30.30	45
10	17325.00	-51.66	6.10	14.20	Horizontal	-43.56	-13.00	30.56	90

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 Horizontal 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	5065.80	-61.87	3.40	12.50	Horizontal	-52.77	-25.00	27.77	0
3	7598.60	-54.37	4.40	12.20	Horizontal	-46.57	-25.00	21.57	45
4	10130.63	-47.20	4.70	11.30	Horizontal	-40.60	-25.00	15.60	0
5	12675.00	-52.00	5.40	13.20	Horizontal	-44.20	-25.00	19.20	90
6	15210.00	-48.19	6.10	13.10	Horizontal	-41.19	-25.00	16.19	135
7	17745.00	-51.97	6.10	14.20	Horizontal	-43.87	-25.00	18.87	225
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 Horizontal 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	-82.22	3.40	12.50	Horizontal	-73.12	-25.00	48.12	90
3	7578.30	-61.44	4.40	12.20	Horizontal	-53.64	-25.00	28.64	135
4	10104.40	-55.24	4.70	11.30	Horizontal	-48.64	-25.00	23.64	0
5	12630.50	-49.11	5.40	13.20	Horizontal	-41.31	-25.00	16.31	45
6	15156.60	-50.26	6.10	13.10	Horizontal	-43.26	-25.00	18.26	90
7	17745.00	-49.70	6.10	14.20	Horizontal	-41.60	-25.00	16.60	225
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 Horizontal position.

LTE Band 40 Subset 1 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	4615.00	-71.26	3.20	12.50	Horizontal	-61.96	-40.00	21.96	90
3	6922.50	-71.33	4.40	12.30	Horizontal	-63.43	-40.00	23.43	270
4	9230.00	-63.73	4.70	11.80	Horizontal	-56.63	-40.00	16.63	225
5	11537.50	-65.74	5.40	14.00	Horizontal	-57.14	-40.00	17.14	180
6	13845.00	-65.01	6.10	16.80	Horizontal	-54.31	-40.00	14.31	270
7	16152.50	--	--	--	--	--	--	--	--
8	18460.00	--	--	--	--	--	--	--	--
9	20767.50	--	--	--	--	--	--	--	--
10	23075.00	--	--	--	--	--	--	--	--

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 Horizontal position.



LTE Band 40 Subset 1 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	4600.00	-72.33	3.20	12.50	Horizontal	-63.03	-40.00	23.03	90
3	6900.00	-68.07	4.40	12.30	Horizontal	-60.17	-40.00	20.17	270
4	9200.00	-64.24	4.70	11.80	Horizontal	-57.14	-40.00	17.14	180
5	11500.00	-65.31	5.40	14.00	Horizontal	-56.71	-40.00	16.71	225
6	13800.00	-65.36	6.10	16.80	Horizontal	-54.66	-40.00	14.66	225
7	16100.00	--	--	--	--	--	--	--	--
8	18400.00	--	--	--	--	--	--	--	--
9	20700.00	--	--	--	--	--	--	--	--
10	23000.00	--	--	--	--	--	--	--	--

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 Horizontal position.

LTE Band 40 Subset 2 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	4705.00	-70.17	3.20	12.50	Horizontal	-60.87	-40.00	20.87	90
3	7057.50	-69.86	4.40	12.30	Horizontal	-61.96	-40.00	21.96	270
4	9410.00	-62.67	4.70	11.80	Horizontal	-55.57	-40.00	15.57	225
5	11762.50	-66.87	5.40	14.00	Horizontal	-58.27	-40.00	18.27	180
6	14115.00	-64.22	6.10	16.80	Horizontal	-53.52	-40.00	13.52	270
7	16467.50	--	--	--	--	--	--	--	--
8	18820.00	--	--	--	--	--	--	--	--
9	21172.50	--	--	--	--	--	--	--	--
10	23525.00	--	--	--	--	--	--	--	--

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 Horizontal position.



LTE Band 40 Subset 2 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	4690.00	-70.85	3.20	12.50	Horizontal	-61.55	-40.00	21.55	90
3	7035.00	-69.93	4.40	12.30	Horizontal	-62.03	-40.00	22.03	270
4	9380.00	-62.69	4.70	11.80	Horizontal	-55.59	-40.00	15.59	180
5	11725.00	-66.63	5.40	14.00	Horizontal	-58.03	-40.00	18.03	225
6	14070.00	-64.23	6.10	16.80	Horizontal	-53.53	-40.00	13.53	225
7	16415.00	--	--	--	--	--	--	--	--
8	18760.00	--	--	--	--	--	--	--	--
9	21105.00	--	--	--	--	--	--	--	--
10	23450.00	--	--	--	--	--	--	--	--

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 Horizontal position.



7 Main Test Instruments

Name	Manufacturer	Type	Serial Number	Calibration Date	Expiration Date
Base Station Simulator	R&S	CMW500	150415	2022-05-14	2023-05-13
Spectrum Analyzer	Key sight	N9020A	MY50510203	2021-12-12	2022-12-11
Universal Radio Communication Tester	Key sight	E5515C	GB44400275	2021-12-12	2022-12-11
Signal Analyzer	R&S	FSV3030	101411	2021-12-12	2022-12-11
Trilog Antenna	Schwarzbeck	VULB 9163	1023	2020-05-05	2023-05-04
Loop Antenna	SCHWARZBECK	FMZB1519	1519-047	2020-04-02	2023-04-01
Horn Antenna	Schwarzbeck	BBHA 9120D	1594	2020-12-17	2023-12-16
Horn Antenna	ETS-Lindgren	3160-09	00102643	2021-10-10	2024-10-09
Climatic Chamber	ESPEC	SU-242	93000506	2021-12-12	2022-12-11
Spectrum Analyzer	R&S	FSV30	104028	2021-12-12	2022-12-11
Software	R&S	EMC32	10.35.10	/	/

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



ANNEX A: The EUT Appearance

The EUT Appearance are submitted separately.



ANNEX B: Test Setup Photos

The Test Setup Photos are submitted separately.