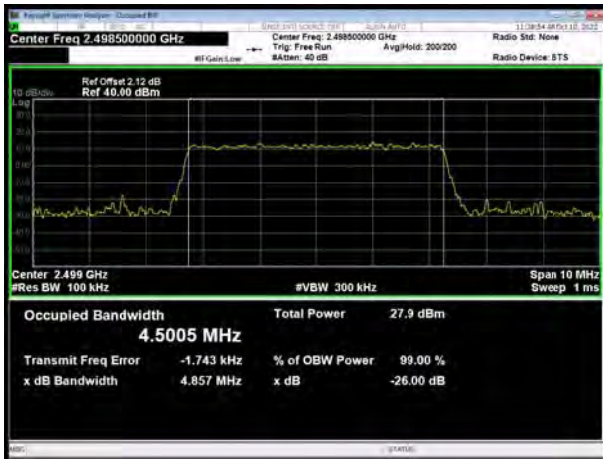
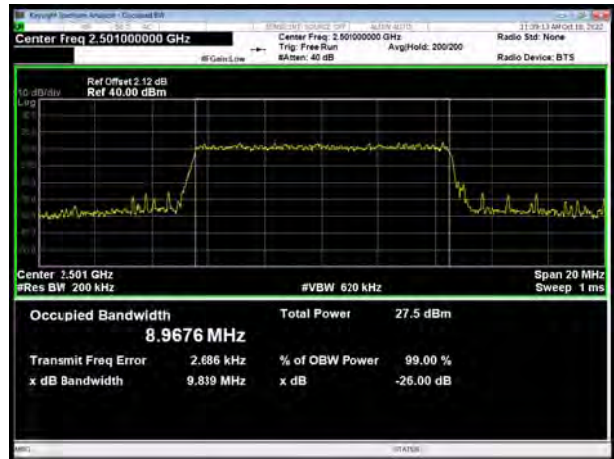




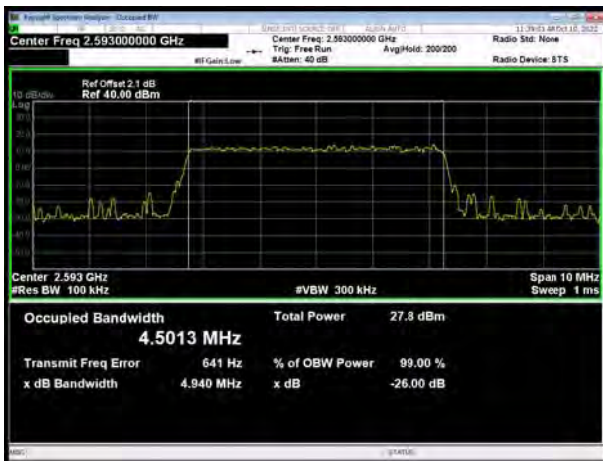
LTE Band 41 16QAM 5MHz CH-Low



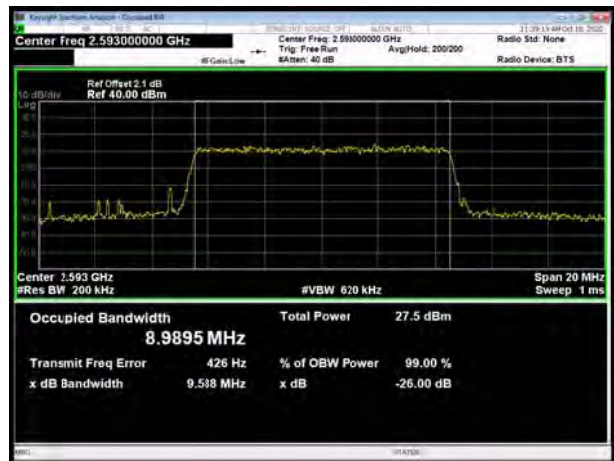
LTE Band 41 16QAM 10MHz CH-Low



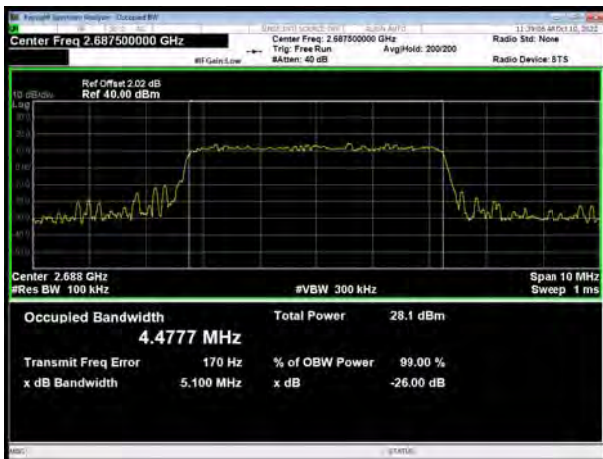
LTE Band 41 16QAM 5MHz CH-Middle



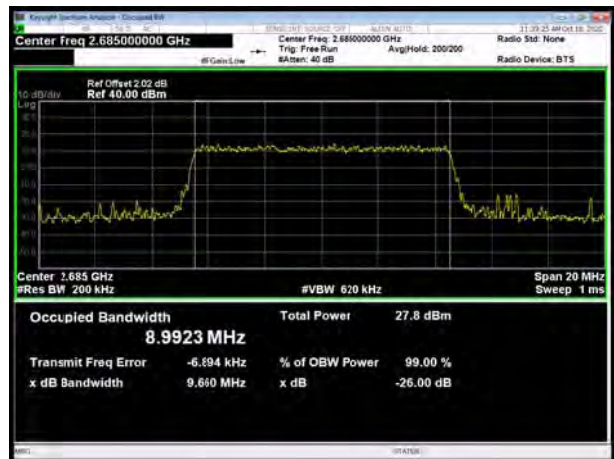
LTE Band 41 16QAM 10MHz CH-Middle



LTE Band 41 16QAM 5MHz CH-High

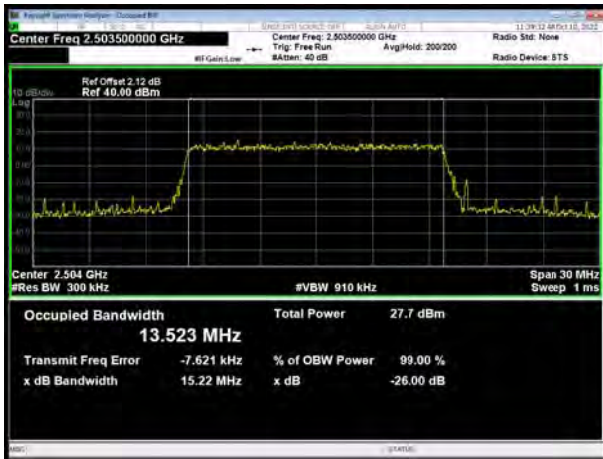


LTE Band 41 16QAM 10MHz CH-High

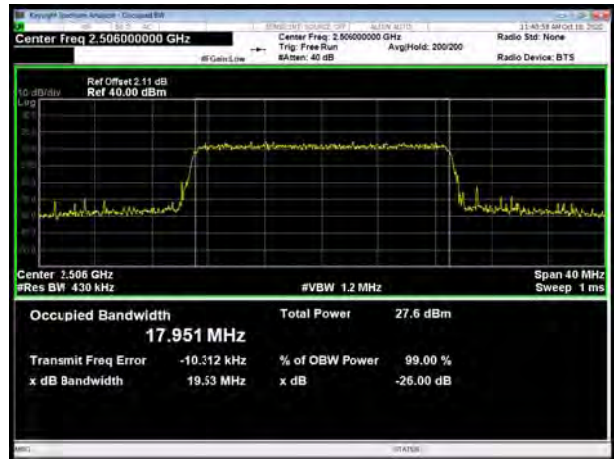




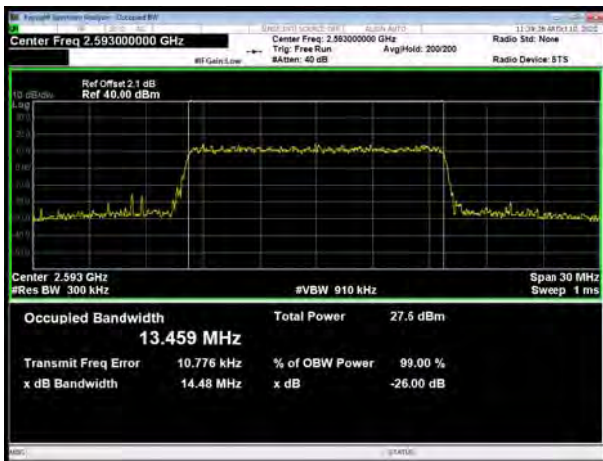
LTE Band 41 16QAM 15MHz CH-Low



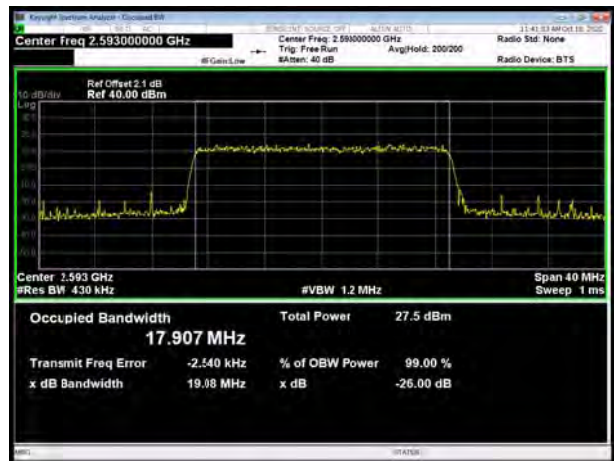
LTE Band 41 16QAM 20MHz CH-Low



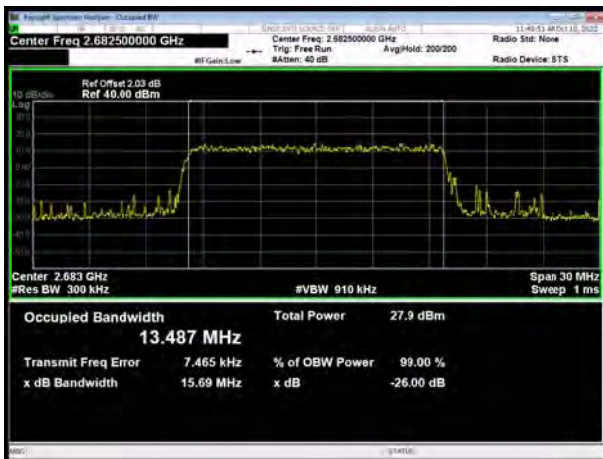
LTE Band 41 16QAM 15MHz CH-Middle



LTE Band 41 16QAM 20MHz CH-Middle



LTE Band 41 16QAM 15MHz CH-High

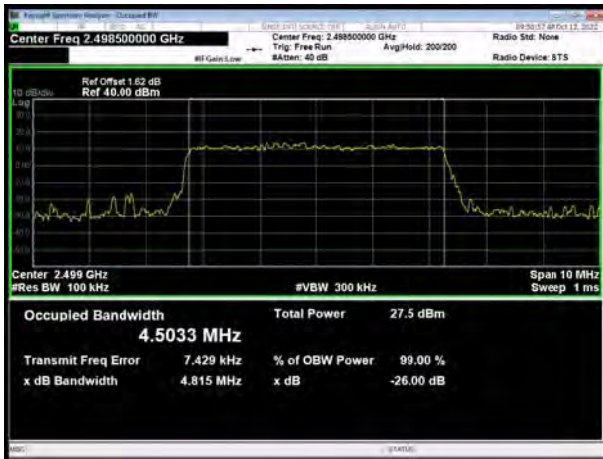


LTE Band 41 16QAM 20MHz CH-High

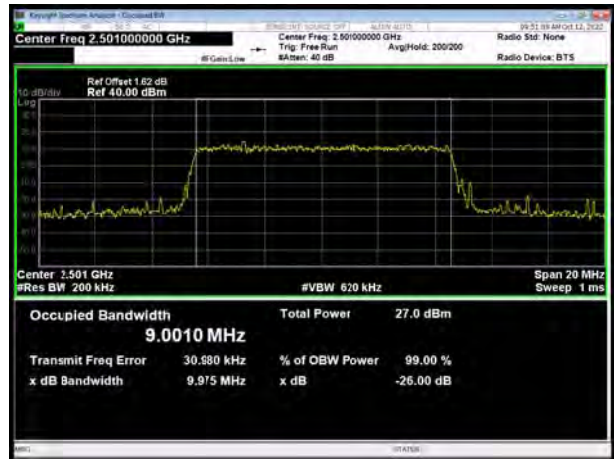




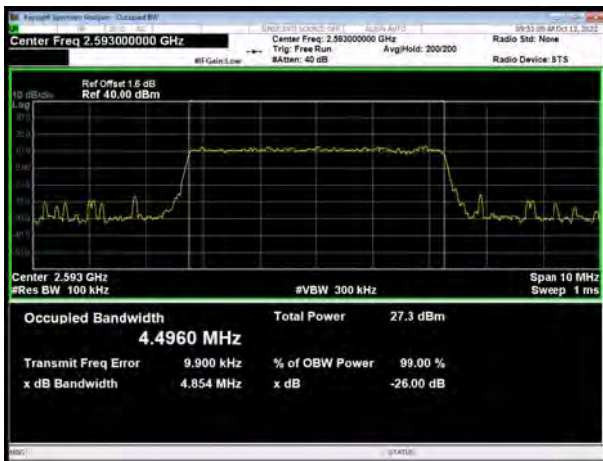
LTE Band 41 64QAM 5MHz CH-Low



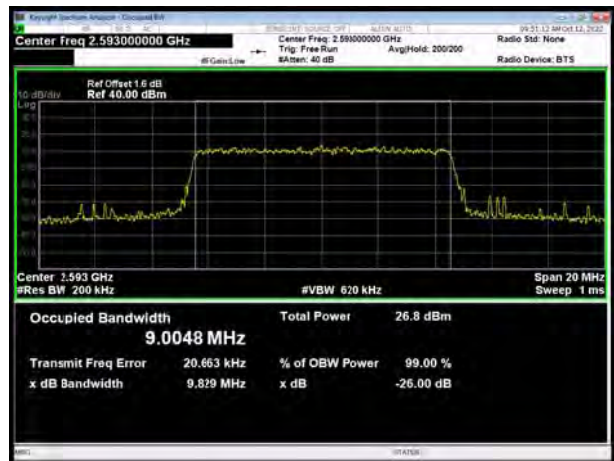
LTE Band 41 64QAM 10MHz CH-Low



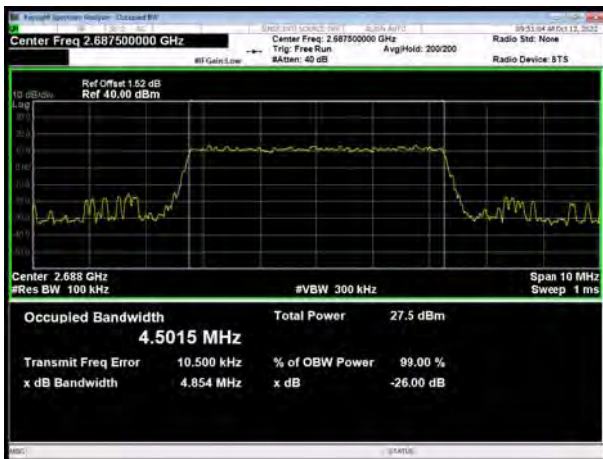
LTE Band 41 64QAM 5MHz CH-Middle



LTE Band 41 64QAM 10MHz CH-Middle



LTE Band 41 64QAM 5MHz CH-High

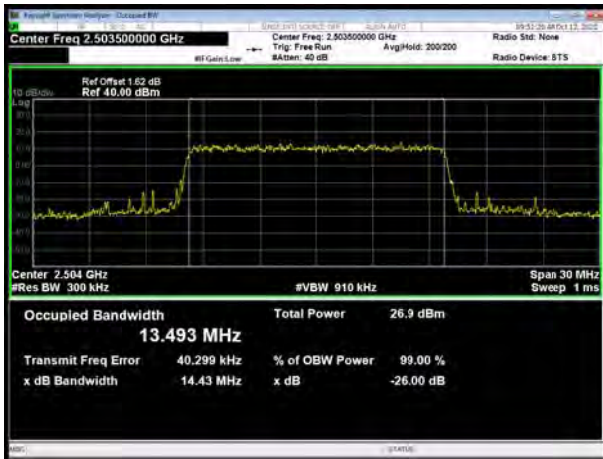


LTE Band 41 64QAM 10MHz CH-High

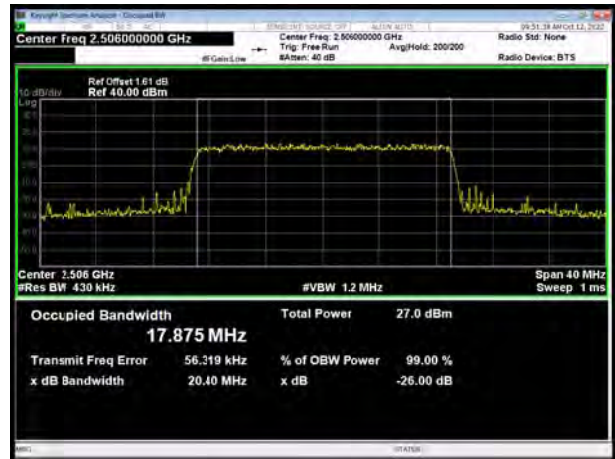




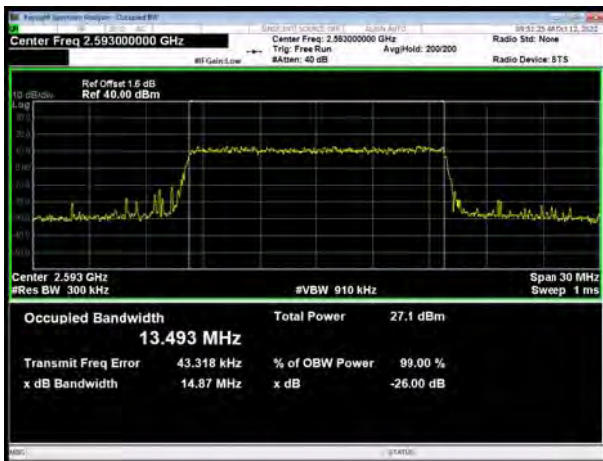
LTE Band 41 64QAM 15MHz CH-Low



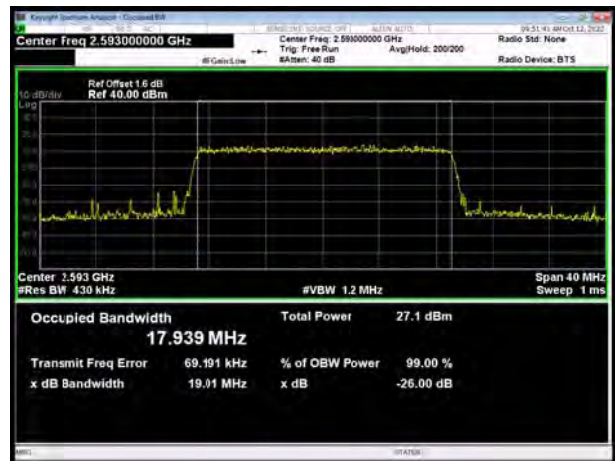
LTE Band 41 64QAM 20MHz CH-Low



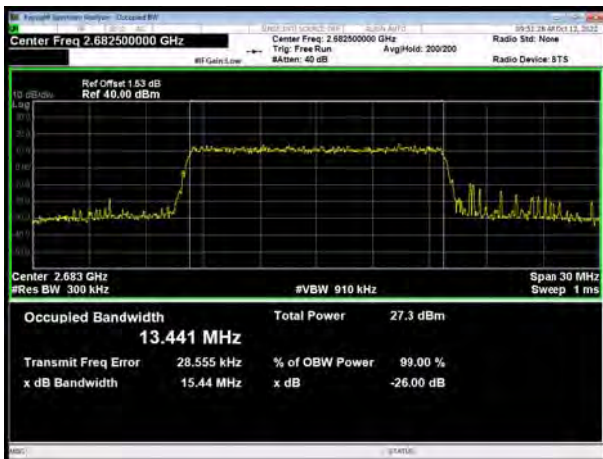
LTE Band 41 64QAM 15MHz CH-Middle



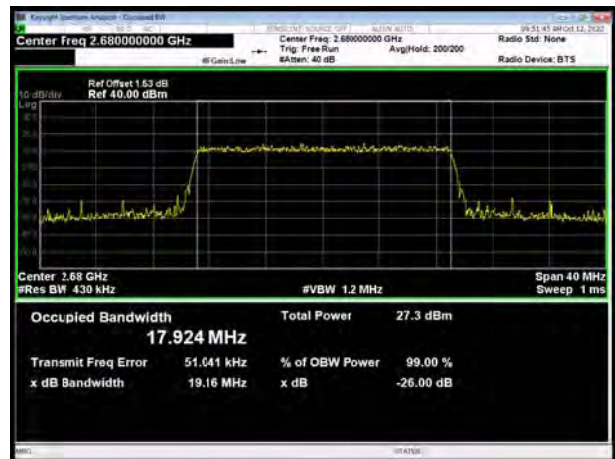
LTE Band 41 64QAM 20MHz CH-Middle



LTE Band 41 64QAM 15MHz CH-High

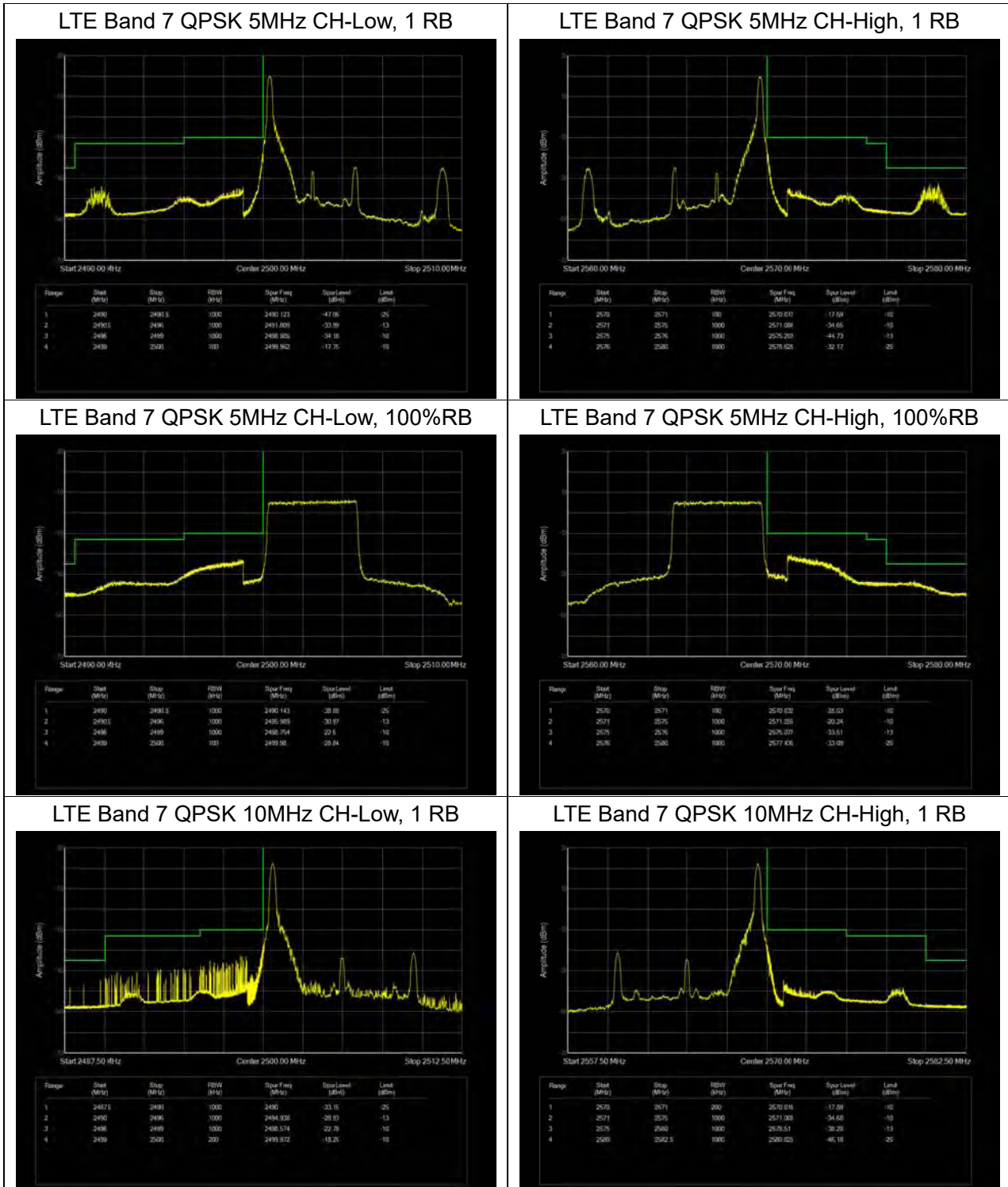


LTE Band 41 64QAM 20MHz CH-High



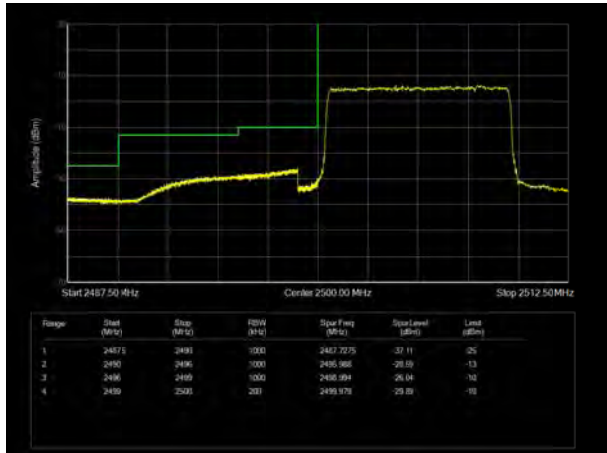
6.3 Band Edge Compliance

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

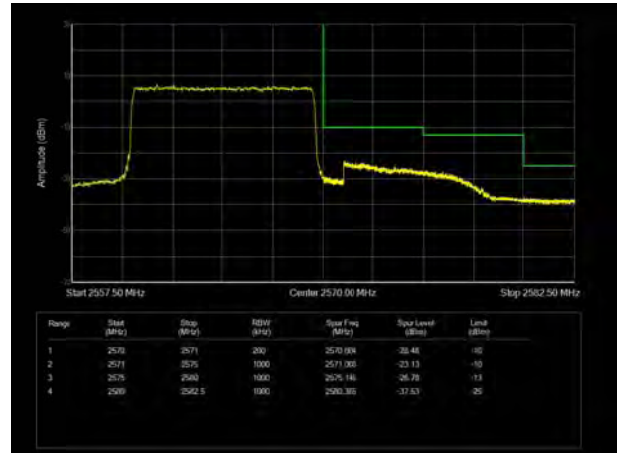




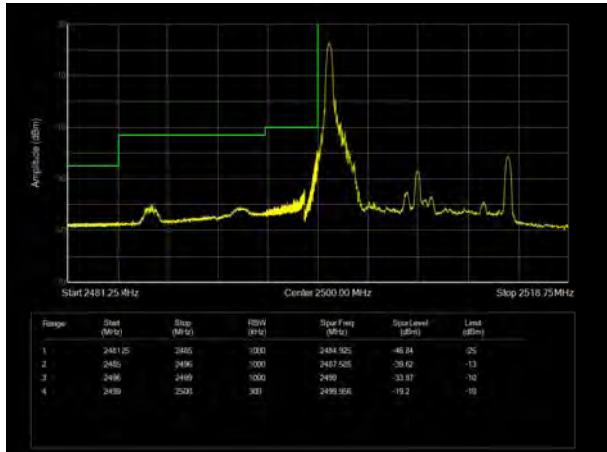
LTE Band 7 QPSK 10MHz CH-Low, 100%RB



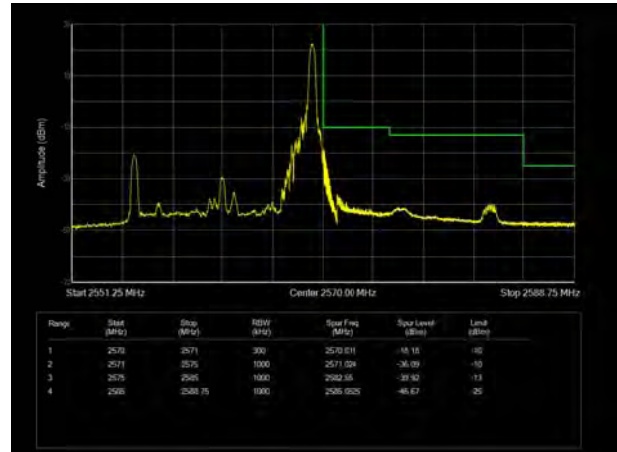
LTE Band 7 QPSK 10MHz CH-High, 100%RB



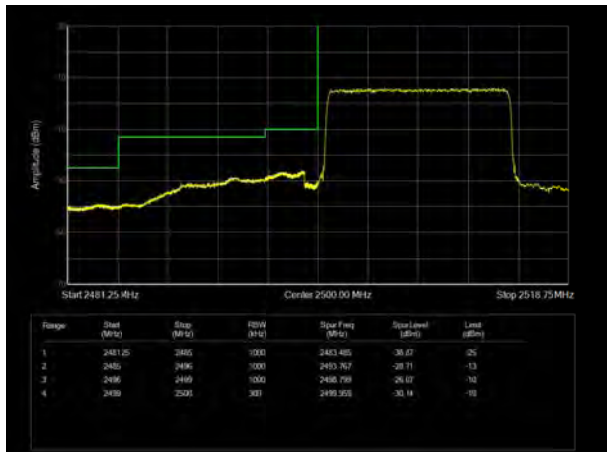
LTE Band 7 QPSK 15MHz CH-Low, 1 RB



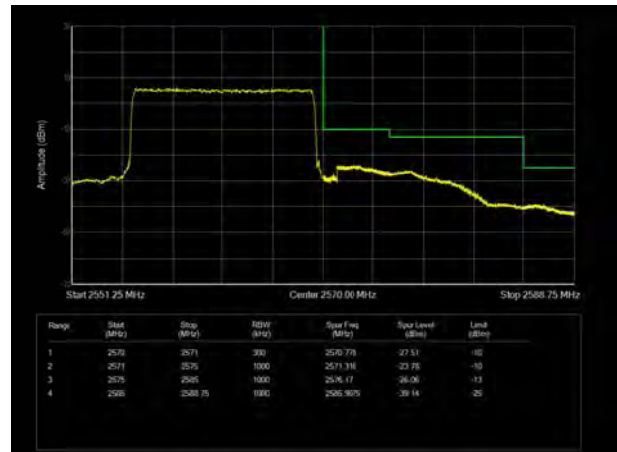
LTE Band 7 QPSK 15MHz CH-High, 1 RB



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

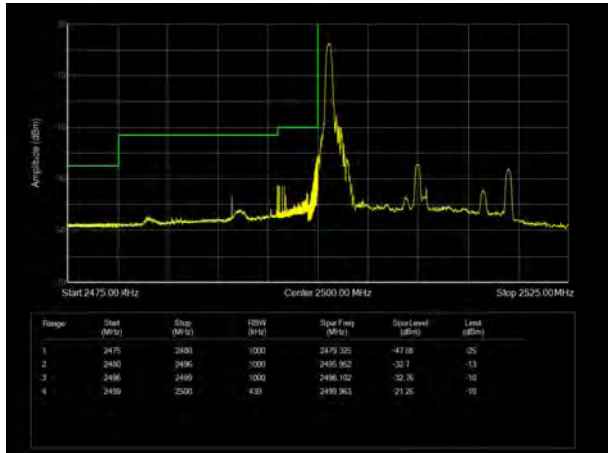


LTE Band 7 QPSK 15MHz CH-High, 100%RB

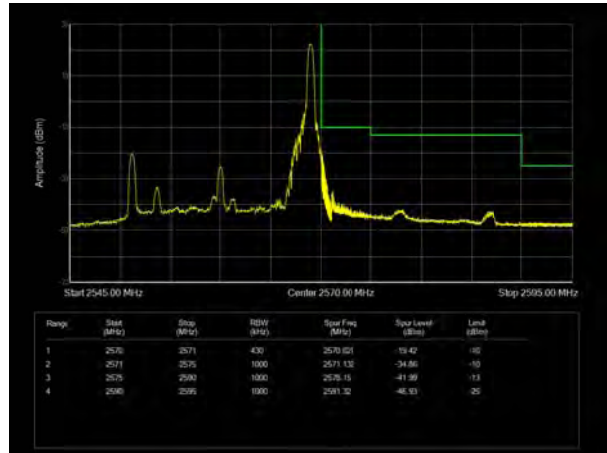




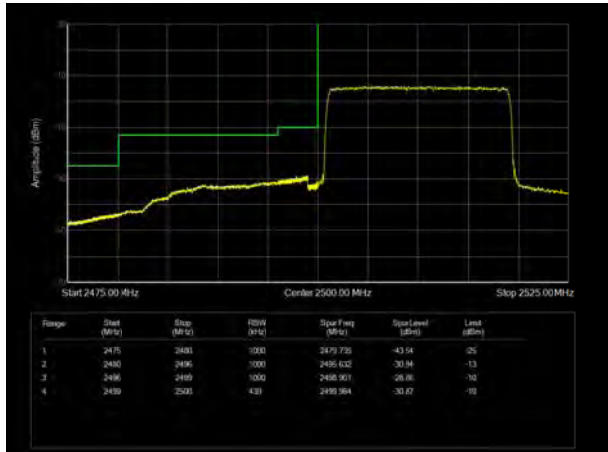
LTE Band 7 QPSK 20MHz CH-Low, 1 RB



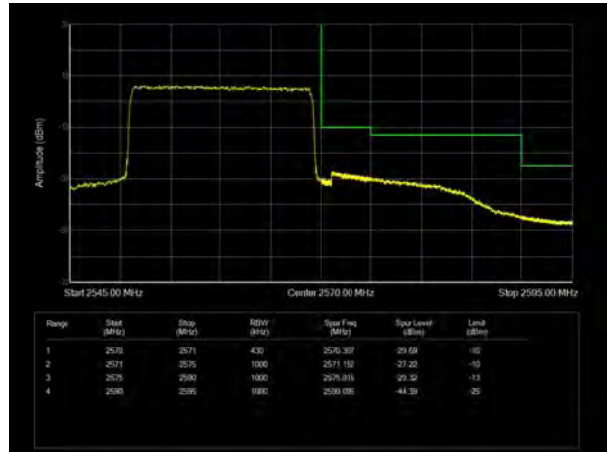
LTE Band 7 QPSK 20MHz CH-High, 1 RB



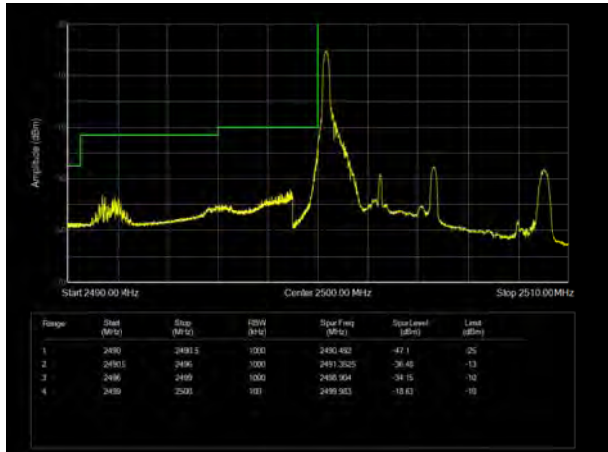
LTE Band 7 QPSK 20MHz CH-Low, 100%RB



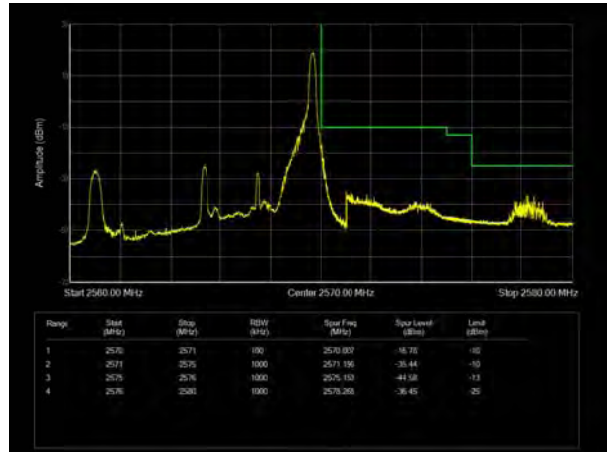
LTE Band 7 QPSK 20MHz CH-High, 100%RB



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

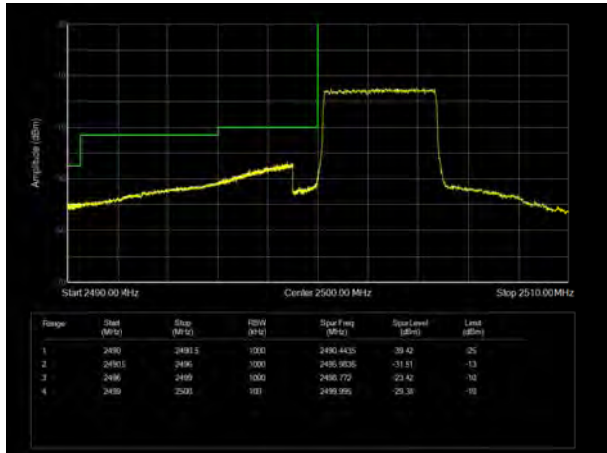


LTE Band 7 16QAM 5MHz CH-High, 1 RB

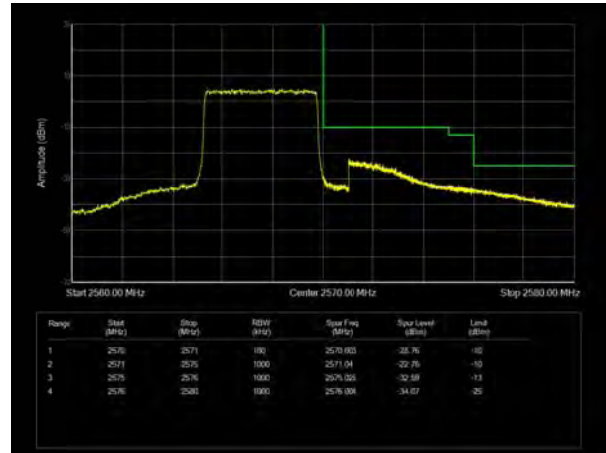




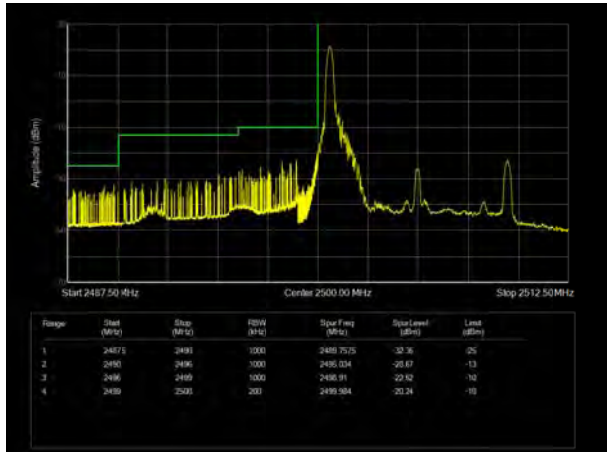
LTE Band 7 16QAM 5MHz CH-Low, 100%RB



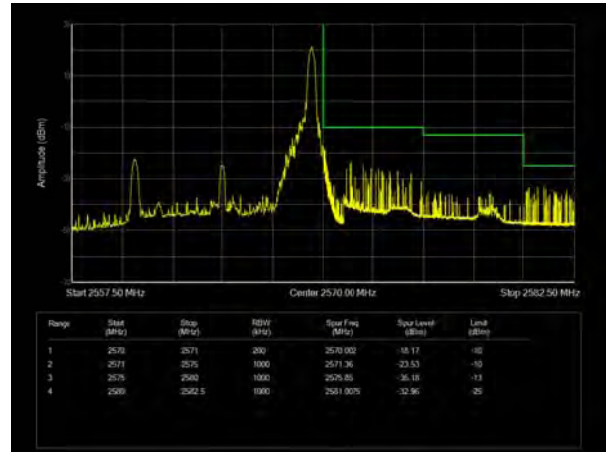
LTE Band 7 16QAM 5MHz CH-High, 100%RB



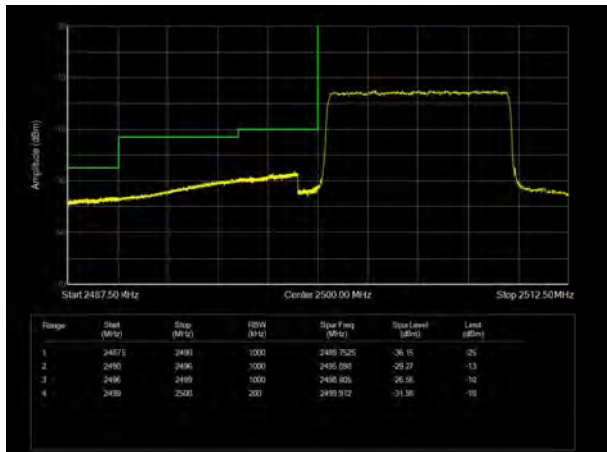
LTE Band 7 16QAM 10MHz CH-Low, 1 RB



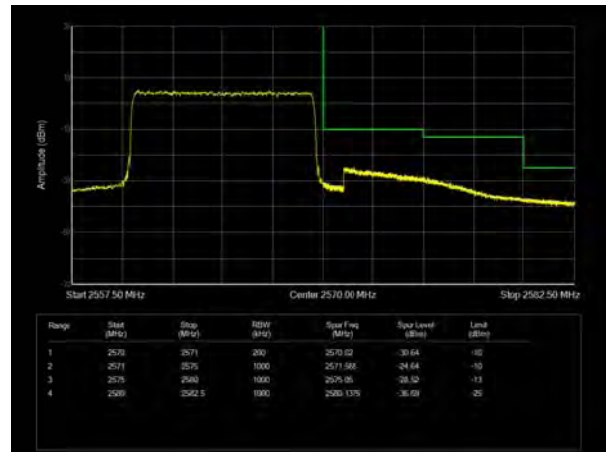
LTE Band 7 16QAM 10MHz CH-High, 1 RB



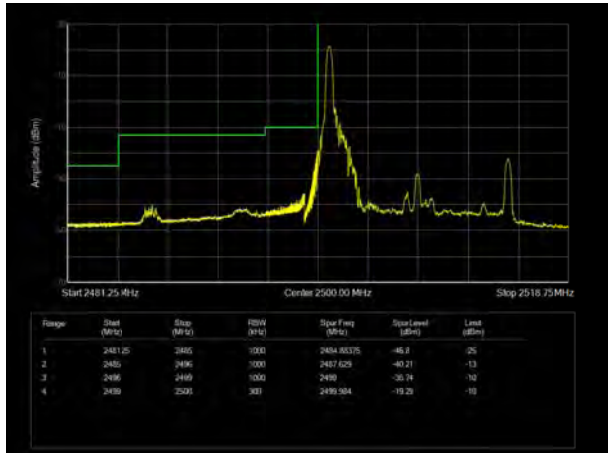
LTE Band 7 16QAM 10MHz CH-Low, 100%RB



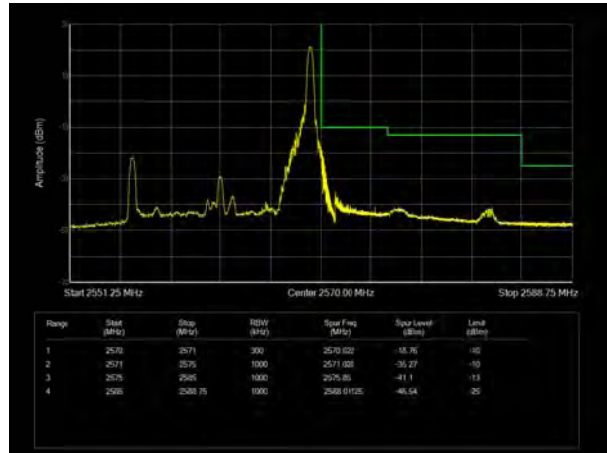
LTE Band 7 16QAM 10MHz CH-High, 100%RB



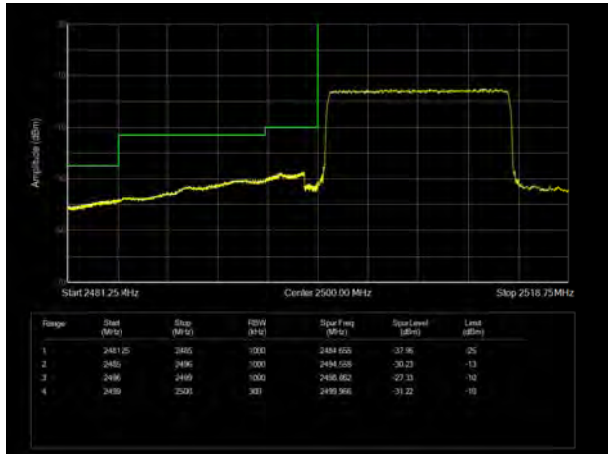
LTE Band 7 16QAM 15MHz CH-Low, 1 RB



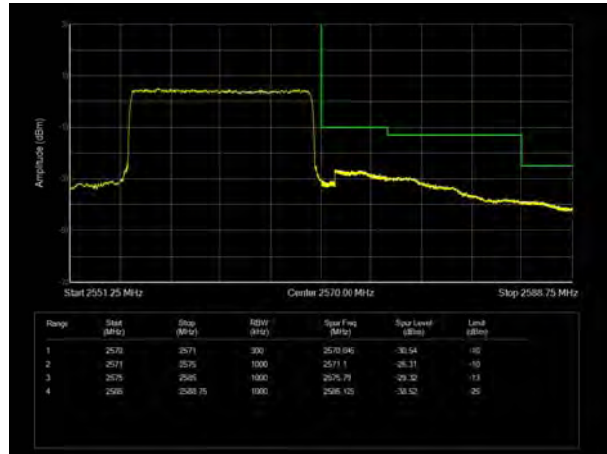
LTE Band 7 16QAM 15MHz CH-High, 1 RB



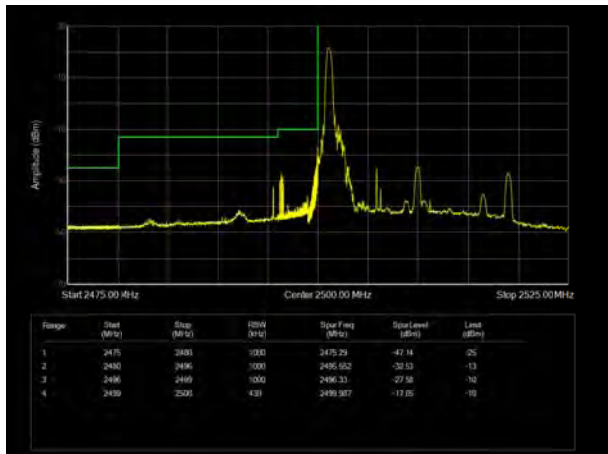
LTE Band 7 16QAM 15MHz CH-Low, 100%RB



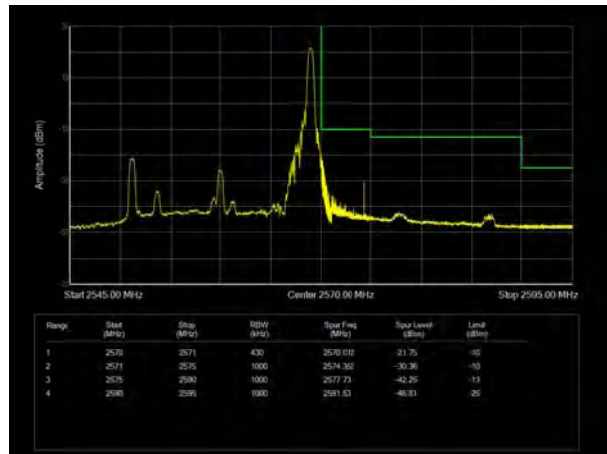
LTE Band 7 16QAM 15MHz CH-High, 100%RB



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

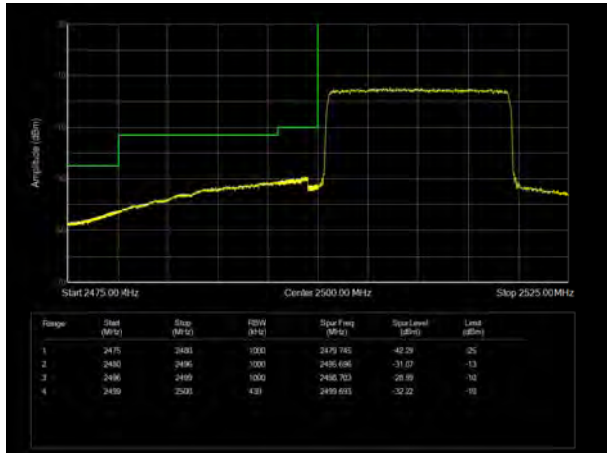


LTE Band 7 16QAM 20MHz CH-High, 1 RB

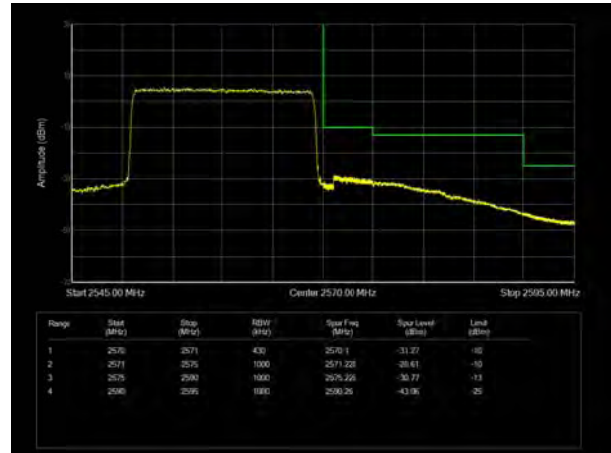




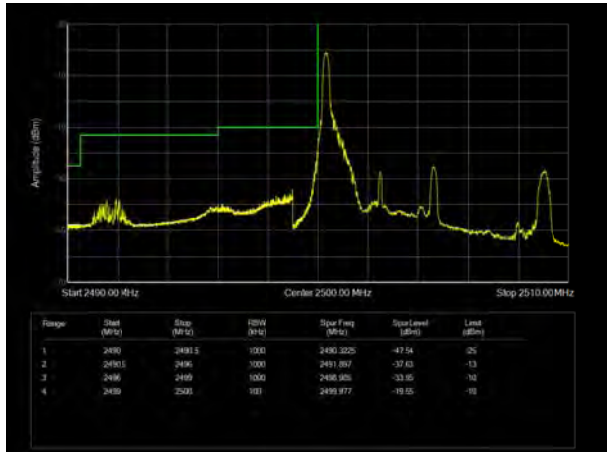
LTE Band 7 16QAM 20MHz CH-Low, 100%RB



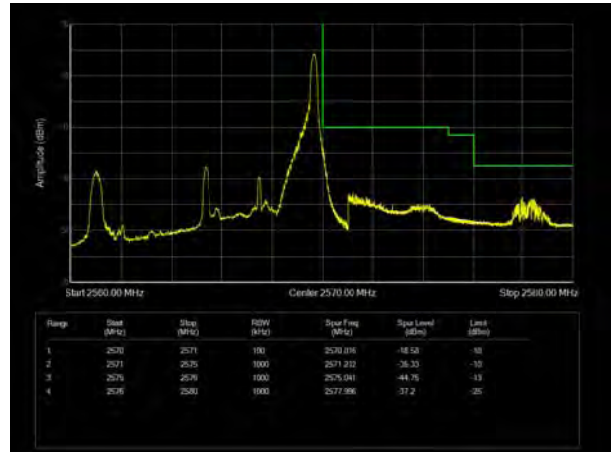
LTE Band 7 16QAM 20MHz CH-High, 100%RB



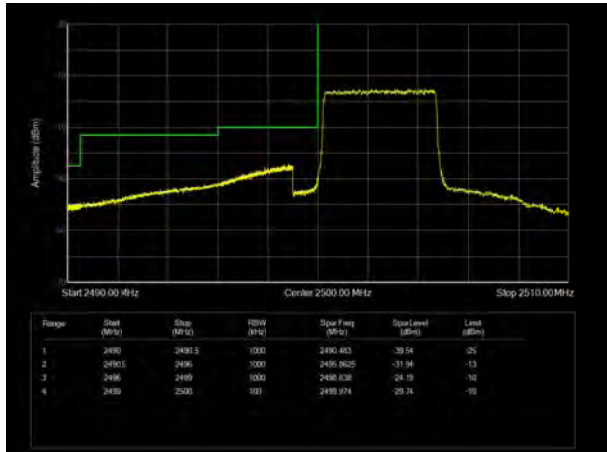
LTE Band 7 64QAM 5MHz CH-Low, 1 RB



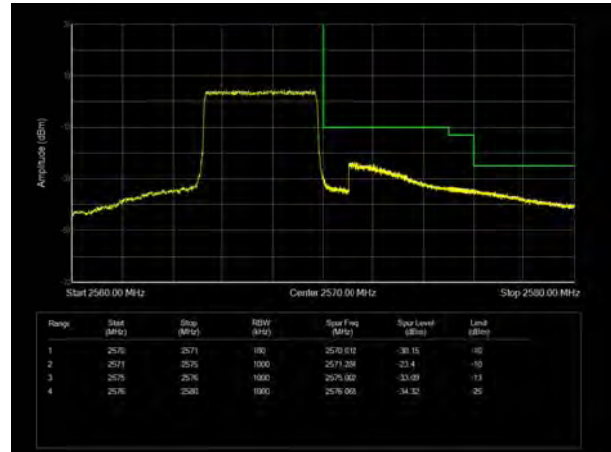
LTE Band 7 64QAM 5MHz CH-High, 1 RB



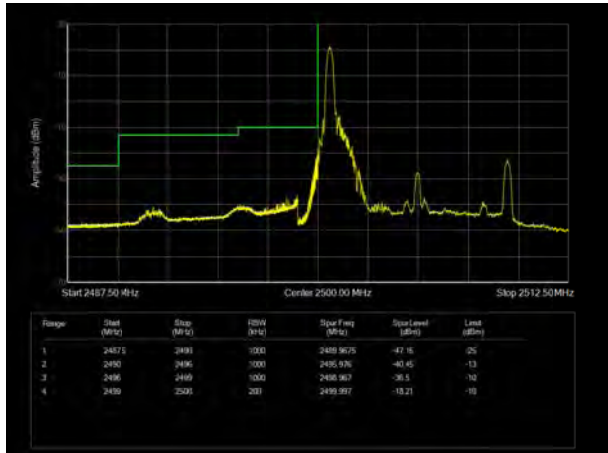
LTE Band 7 64QAM 5MHz CH-Low, 100%RB



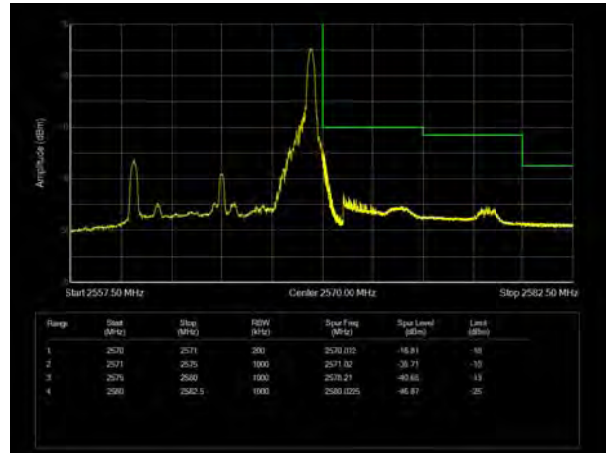
LTE Band 7 64QAM 5MHz CH-High, 100%RB



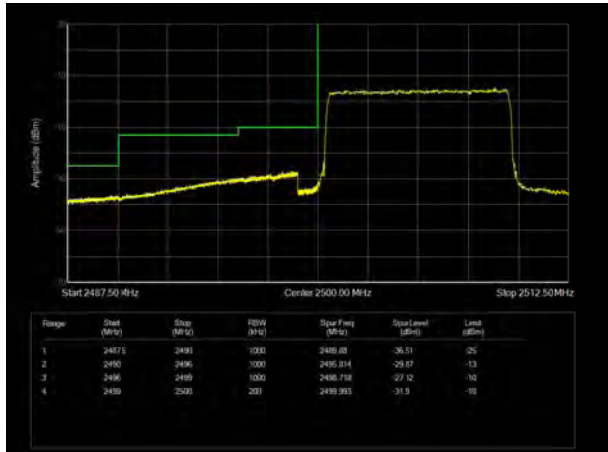
LTE Band 7 64QAM 10MHz CH-Low, 1 RB



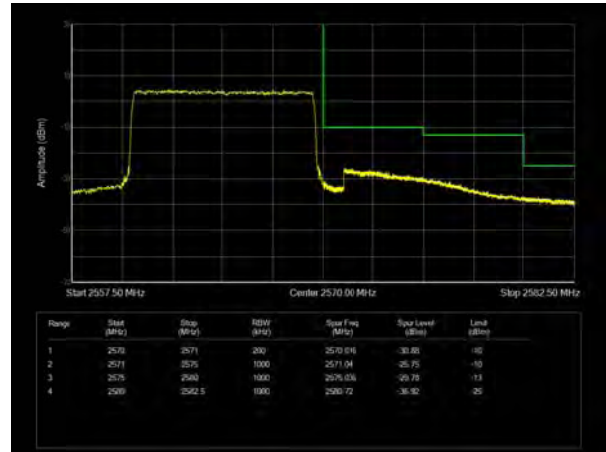
LTE Band 7 64QAM 10MHz CH-High, 1 RB



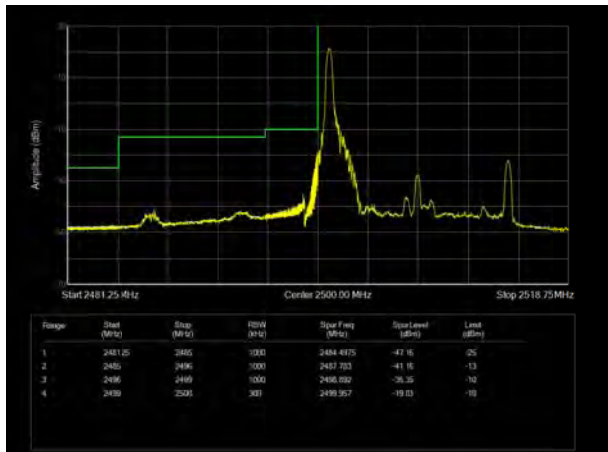
LTE Band 7 64QAM 10MHz CH-Low, 100%RB



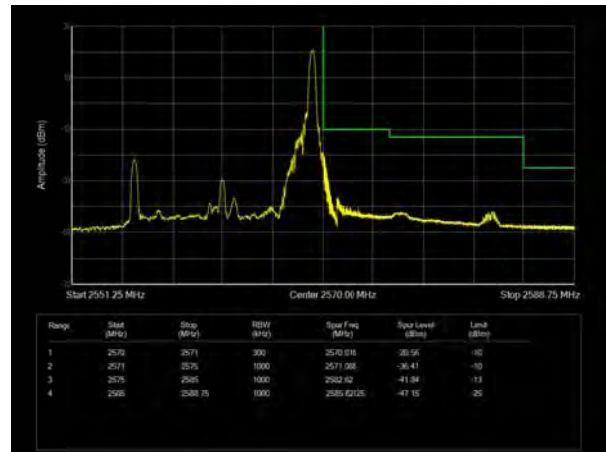
LTE Band 7 64QAM 10MHz CH-High, 100%RB



LTE Band 7 64QAM 15MHz CH-Low, 1 RB

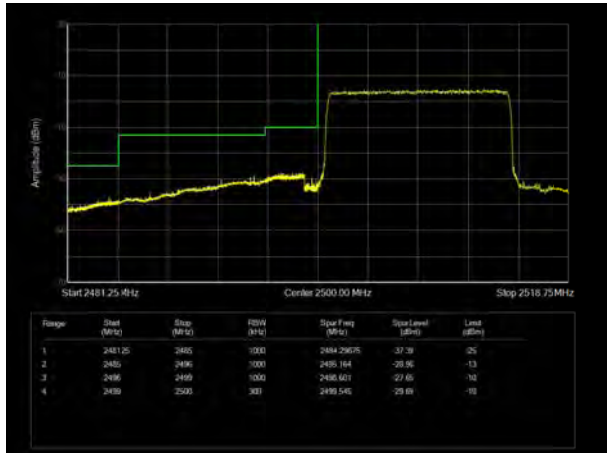


LTE Band 7 64QAM 15MHz CH-High, 1 RB

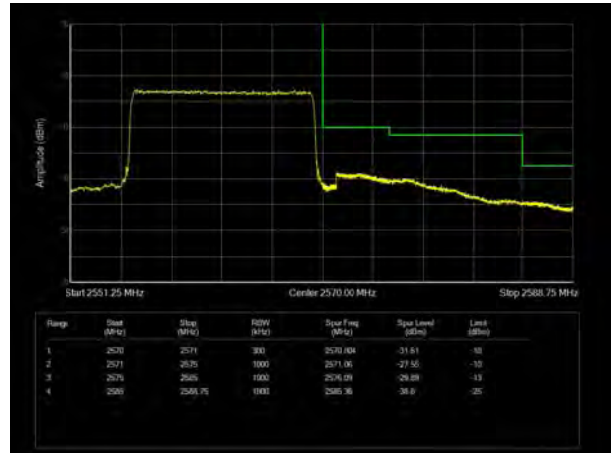




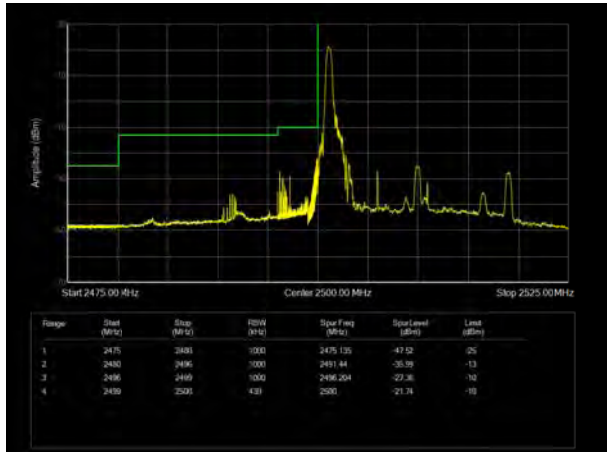
LTE Band 7 64QAM 15MHz CH-Low, 100%RB



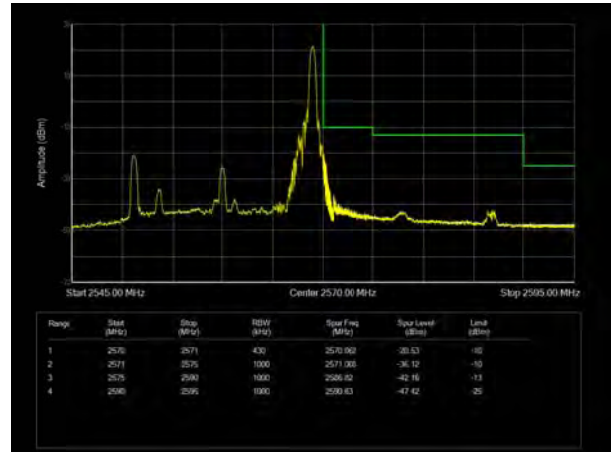
LTE Band 7 64QAM 15MHz CH-High, 100%RB



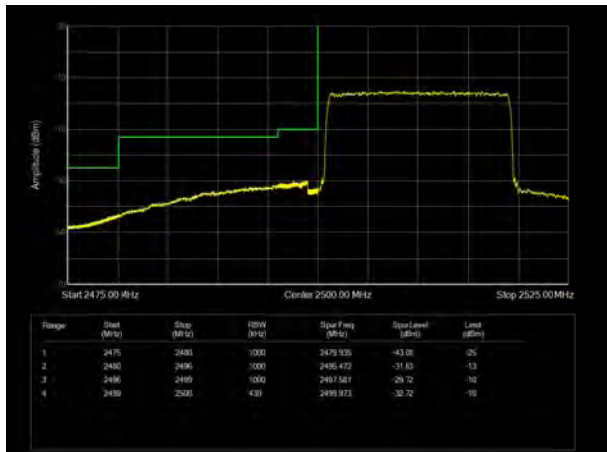
LTE Band 7 64QAM 20MHz CH-Low, 1 RB



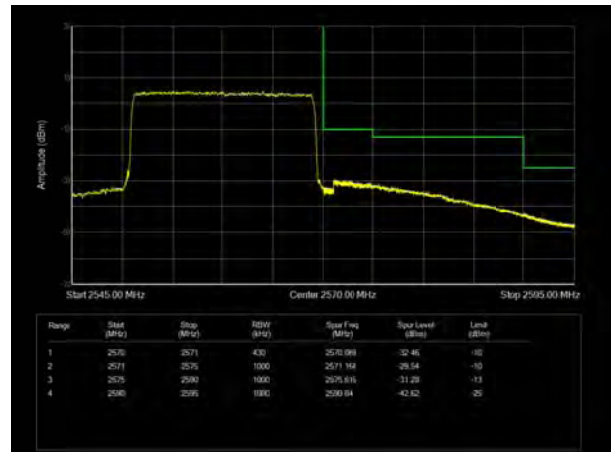
LTE Band 7 64QAM 20MHz CH-High, 1 RB



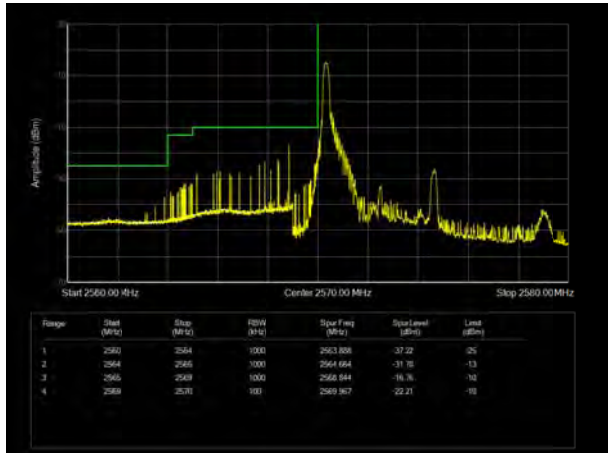
LTE Band 7 64QAM 20MHz CH-Low, 100%RB



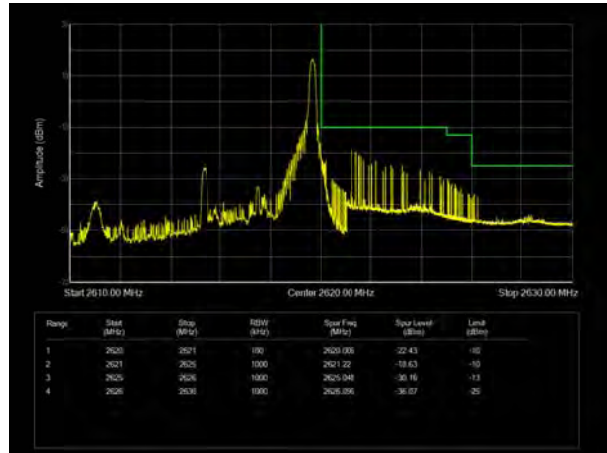
LTE Band 7 64QAM 20MHz CH-High, 100%RB



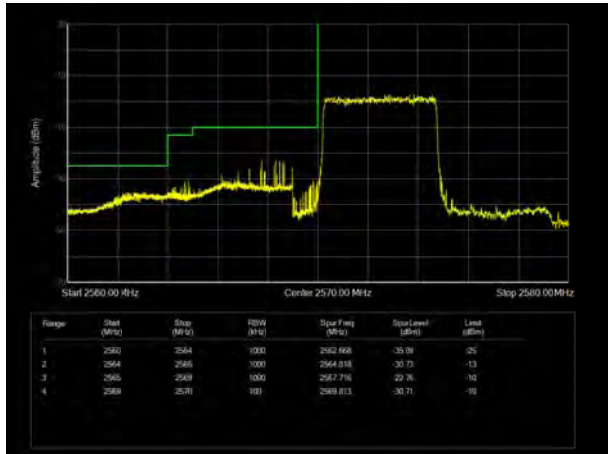
LTE Band 38 QPSK 5MHz CH-Low, 1 RB



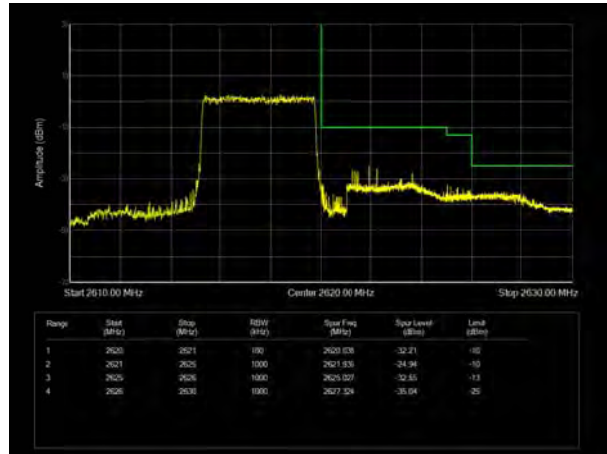
LTE Band 38 QPSK 5MHz CH-High, 1 RB



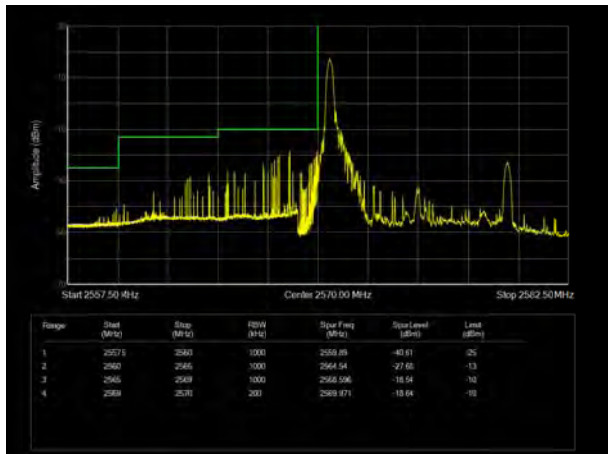
LTE Band 38 QPSK 5MHz CH-Low, 100%RB



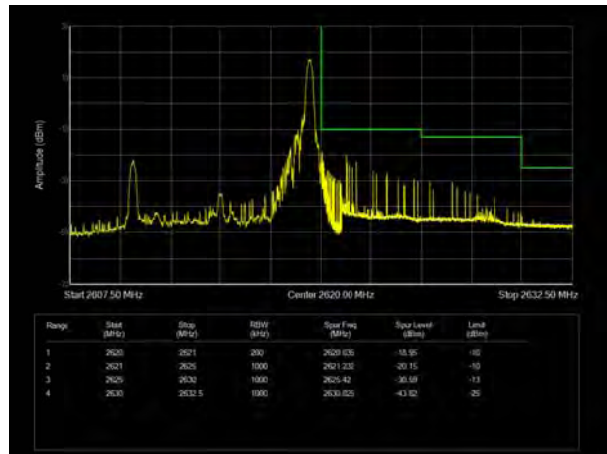
LTE Band 38 QPSK 5MHz CH-High, 100%RB



LTE Band 38 QPSK 10MHz CH-Low, 1 RB

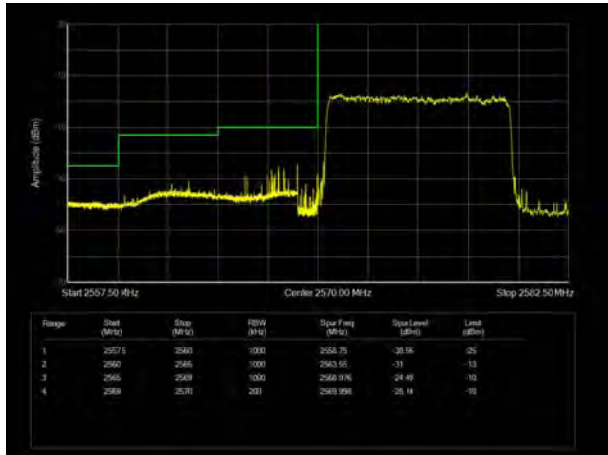


LTE Band 38 QPSK 10MHz CH-High, 1 RB

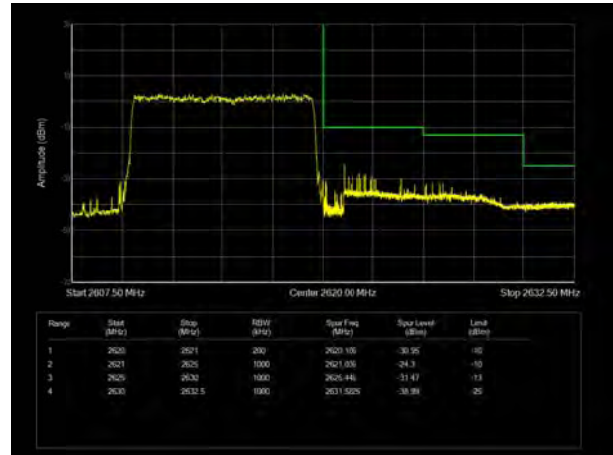




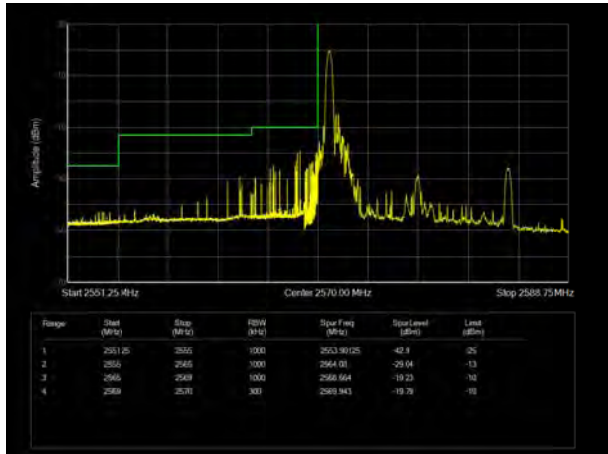
LTE Band 38 QPSK 10MHz CH-Low, 100%RB



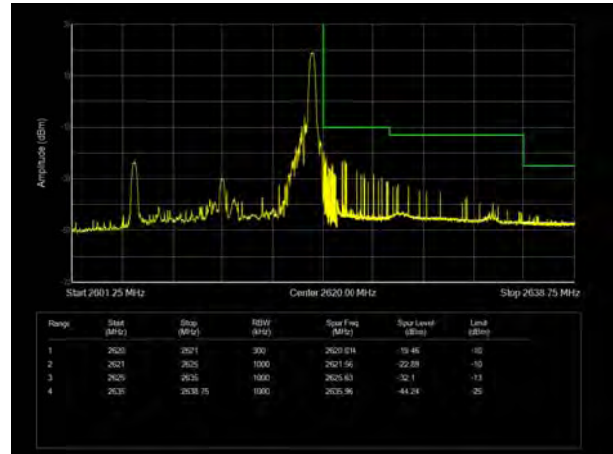
LTE Band 38 QPSK 10MHz CH-High, 100%RB



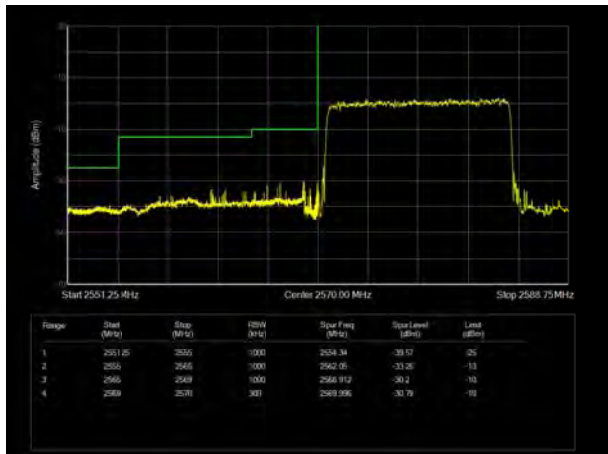
LTE Band 38 QPSK 15MHz CH-Low, 1 RB



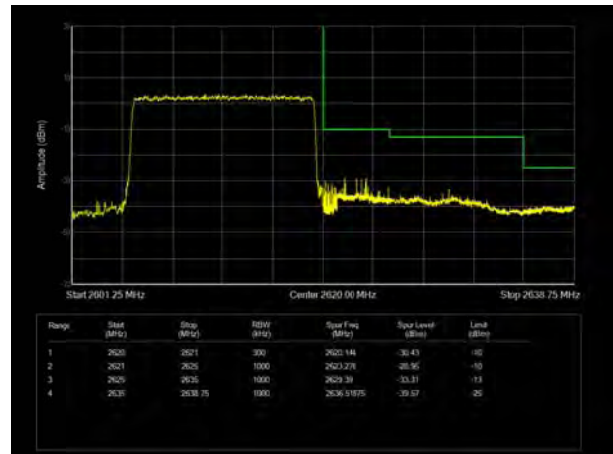
LTE Band 38 QPSK 15MHz CH-High, 1 RB



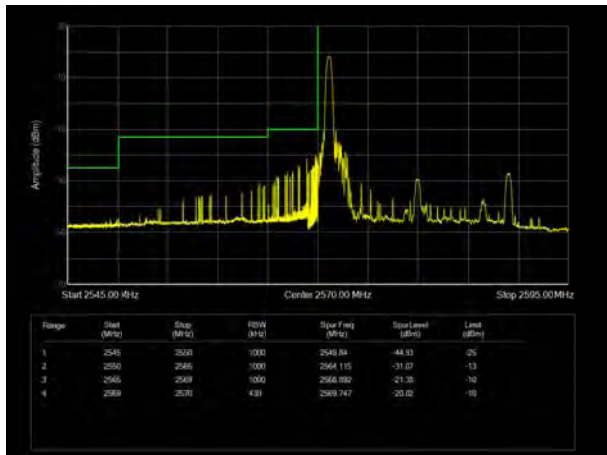
LTE Band 38 QPSK 15MHz CH-Low, 100%RB



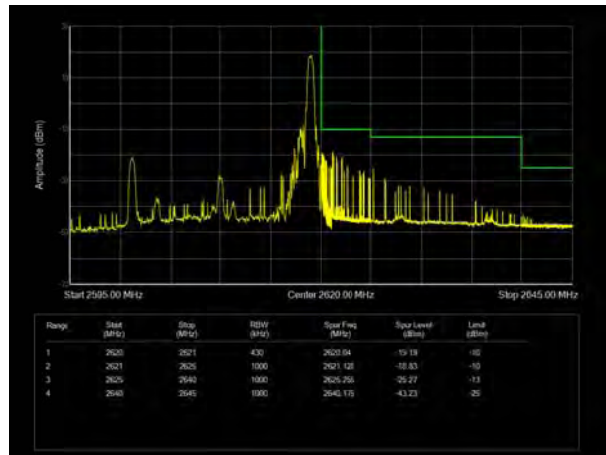
LTE Band 38 QPSK 15MHz CH-High, 100%RB



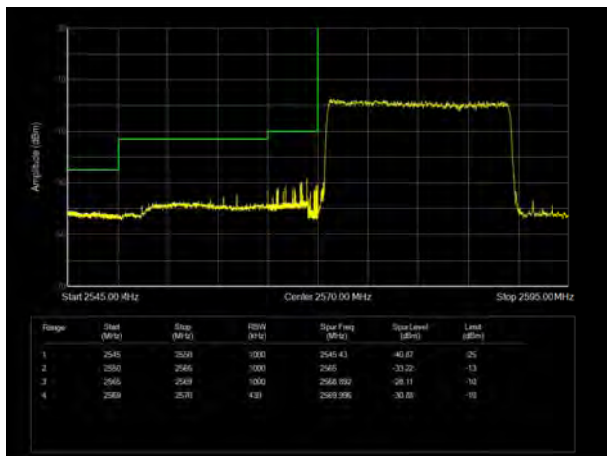
LTE Band 38 QPSK 20MHz CH-Low, 1 RB



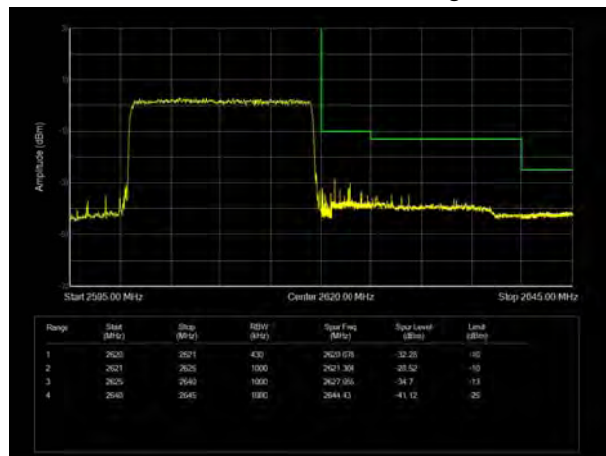
LTE Band 38 QPSK 20MHz CH-High, 1 RB



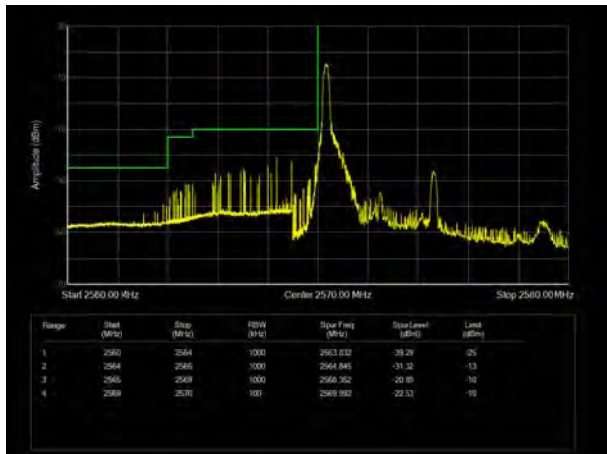
LTE Band 38 QPSK 20MHz CH-Low, 100%RB



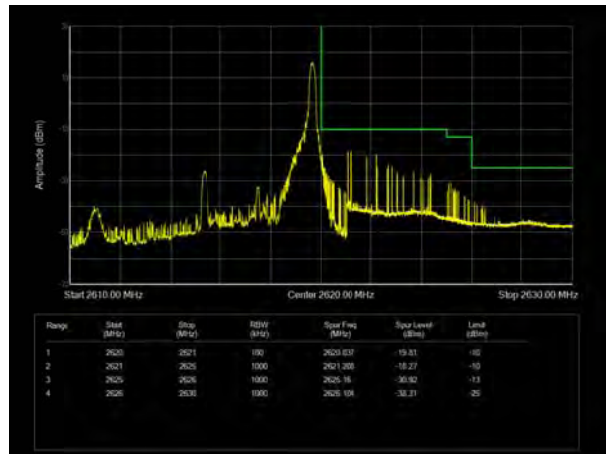
LTE Band 38 QPSK 20MHz CH-High, 100%RB



LTE Band 38 16QAM 5MHz CH-Low, 1 RB

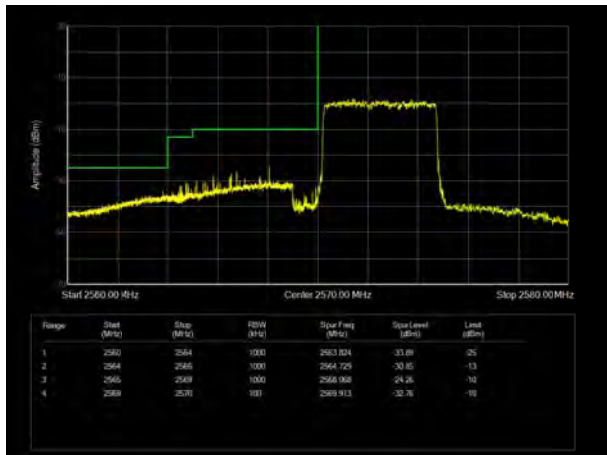


LTE Band 38 16QAM 5MHz CH-High, 1 RB

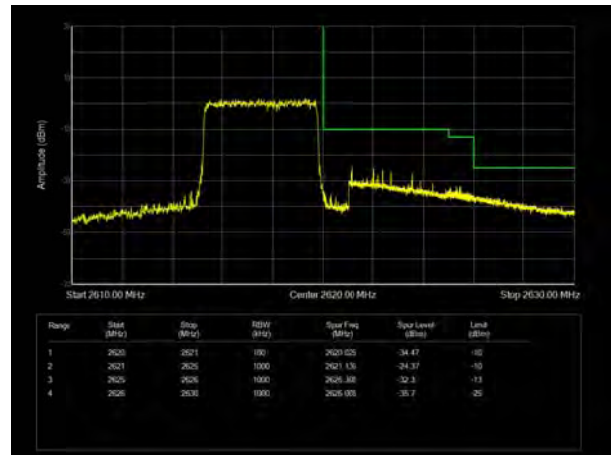




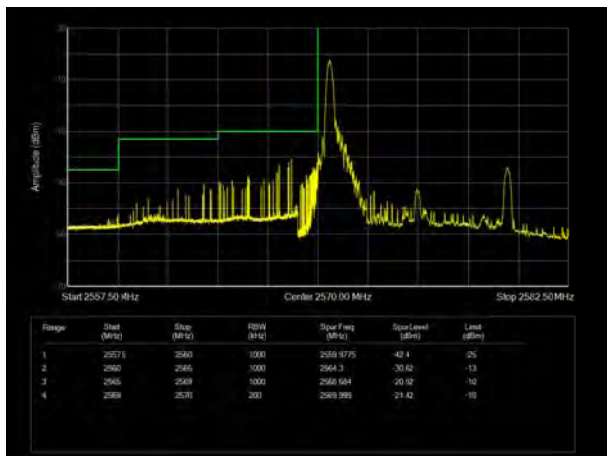
LTE Band 38 16QAM 5MHz CH-Low, 100%RB



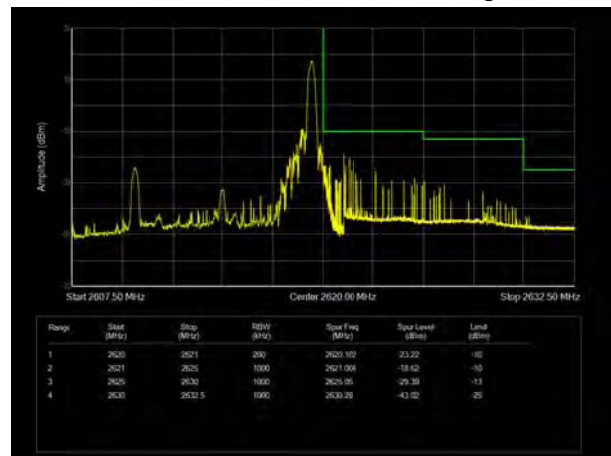
LTE Band 38 16QAM 5MHz CH-High, 100%RB



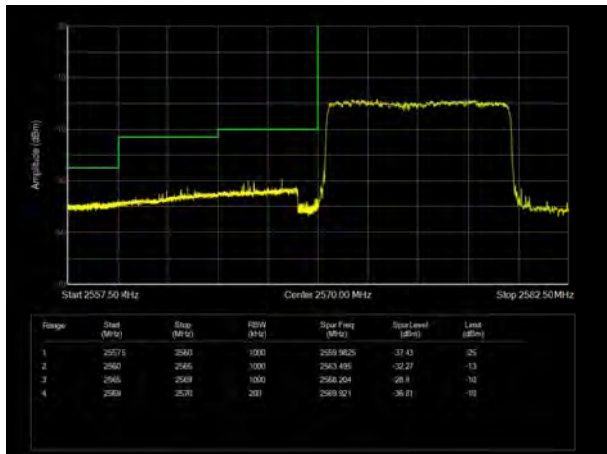
LTE Band 38 16QAM 10MHz CH-Low, 1 RB



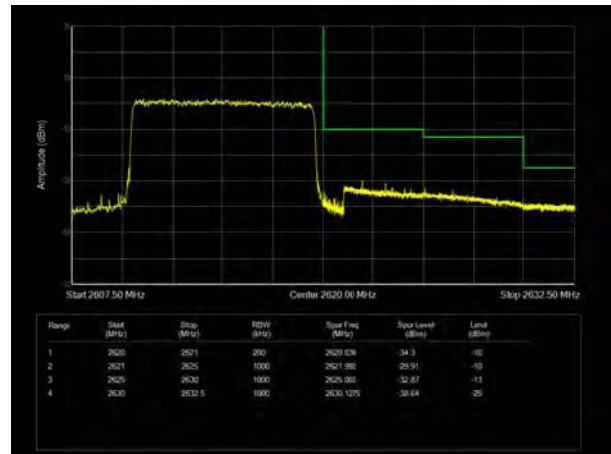
LTE Band 38 16QAM 10MHz CH-High, 1 RB



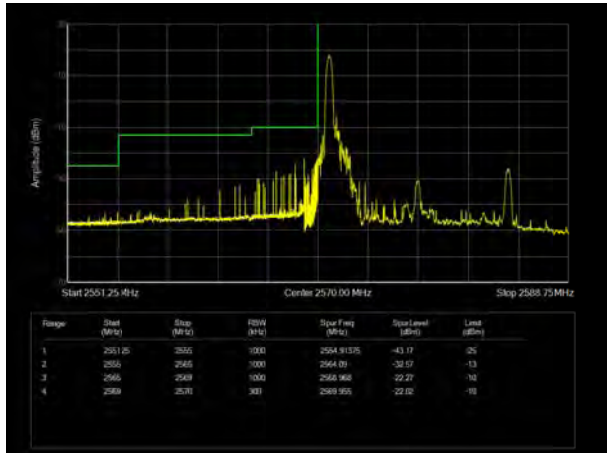
LTE Band 38 16QAM 10MHz CH-Low, 100%RB



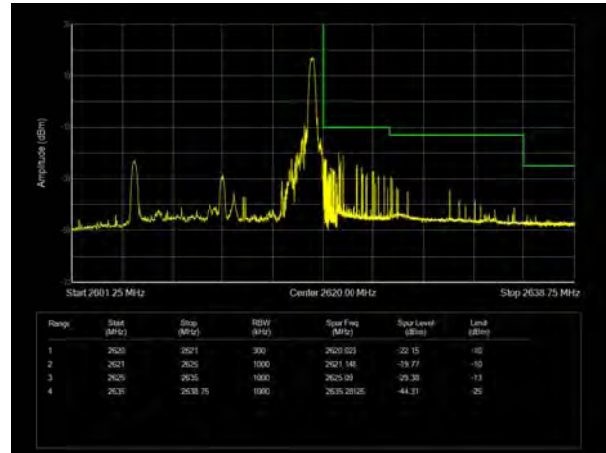
LTE Band 38 16QAM 10MHz CH-High, 100%RB



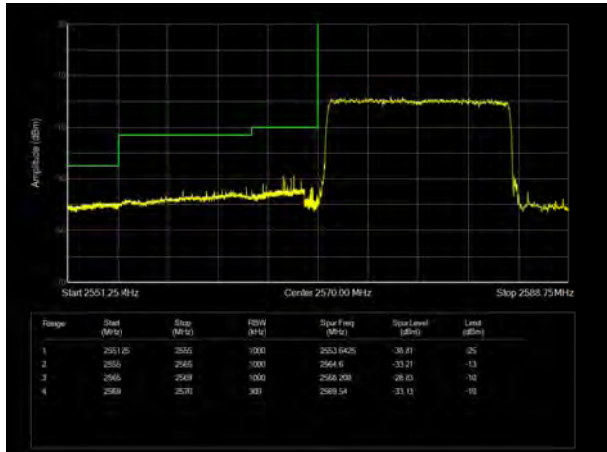
LTE Band 38 16QAM 15MHz CH-Low, 1 RB



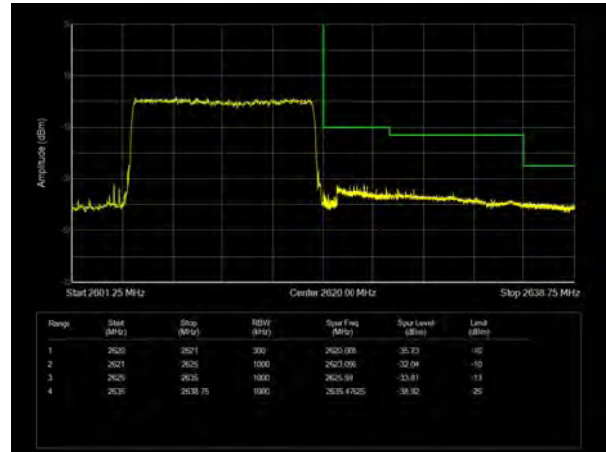
LTE Band 38 16QAM 15MHz CH-High, 1 RB



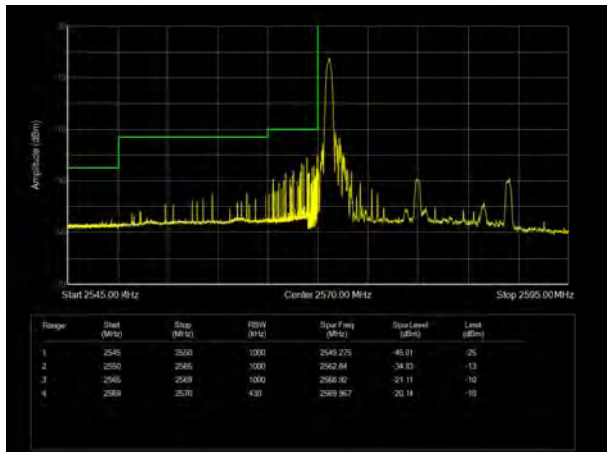
LTE Band 38 16QAM 15MHz CH-Low, 100%RB



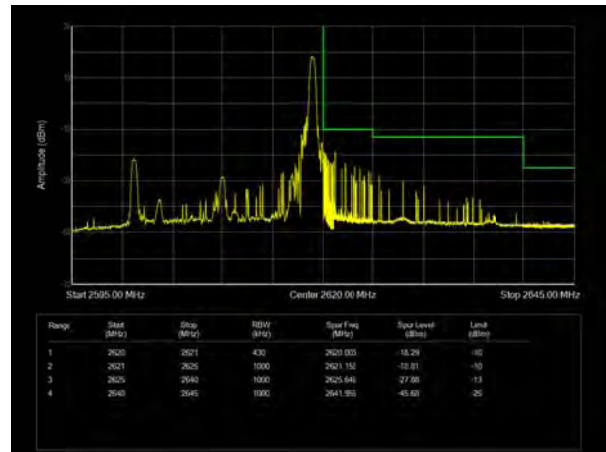
LTE Band 38 16QAM 15MHz CH-High, 100%RB



LTE Band 38 16QAM 20MHz CH-Low, 1 RB

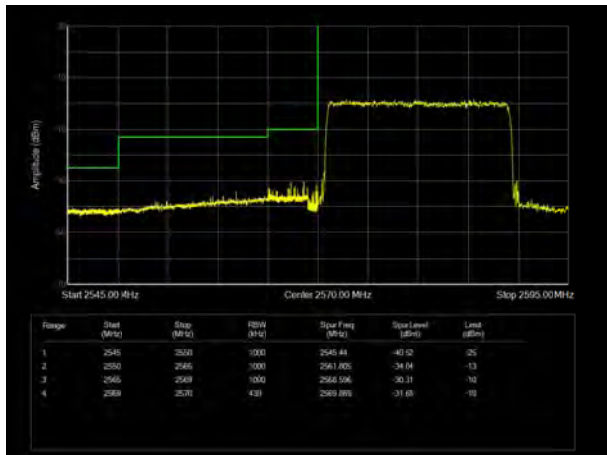


LTE Band 38 16QAM 20MHz CH-High, 1 RB

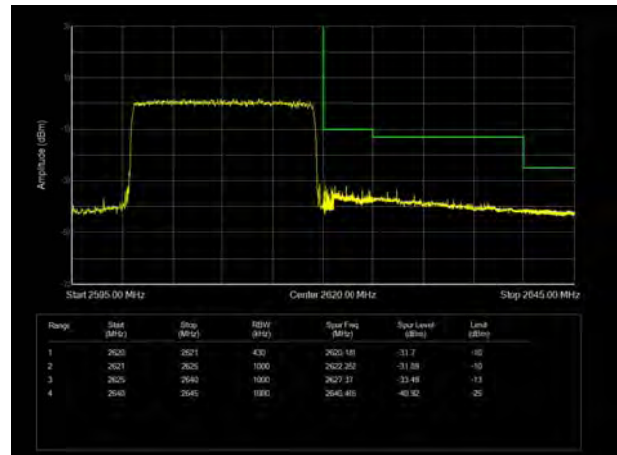




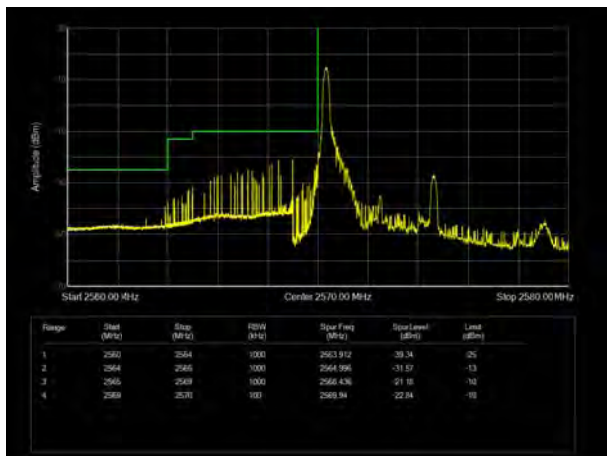
LTE Band 38 16QAM 20MHz CH-Low, 100%RB



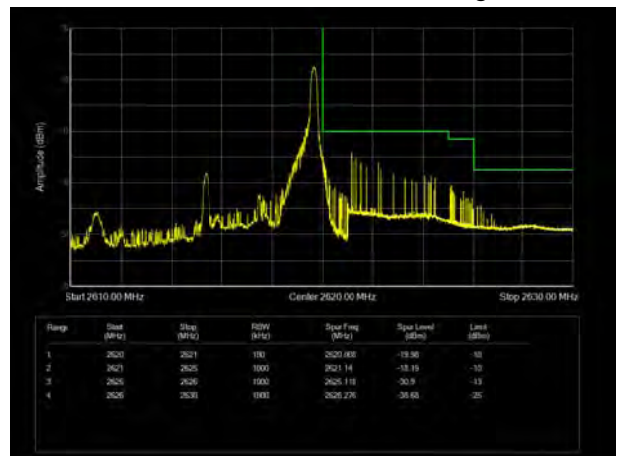
LTE Band 38 16QAM 20MHz CH-High, 100%RB



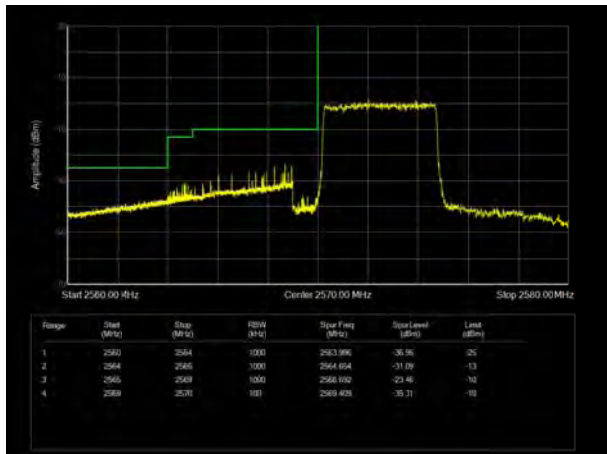
LTE Band 38 64QAM 5MHz CH-Low, 1 RB



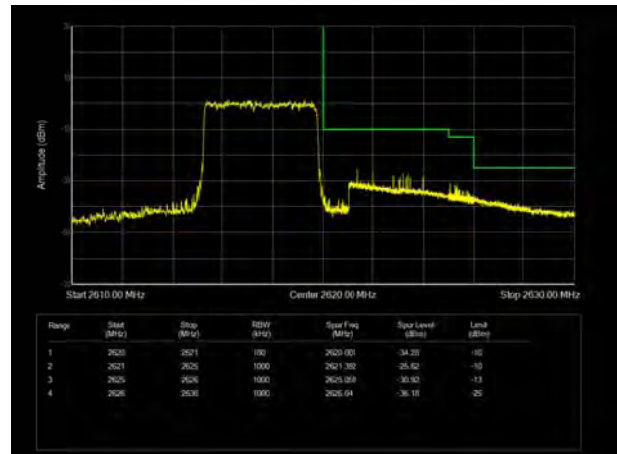
LTE Band 38 64QAM 5MHz CH-High, 1 RB



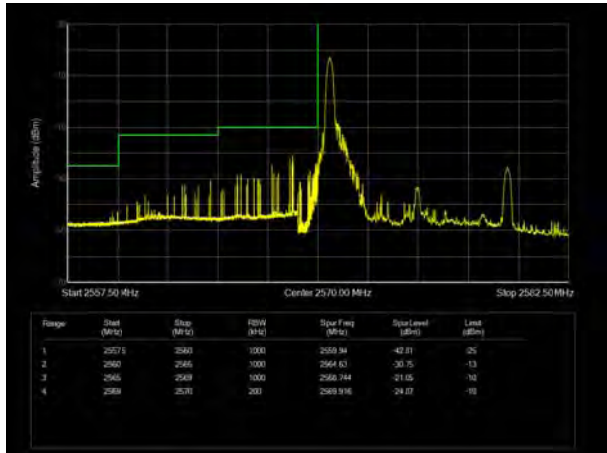
LTE Band 38 64QAM 5MHz CH-Low, 100%RB



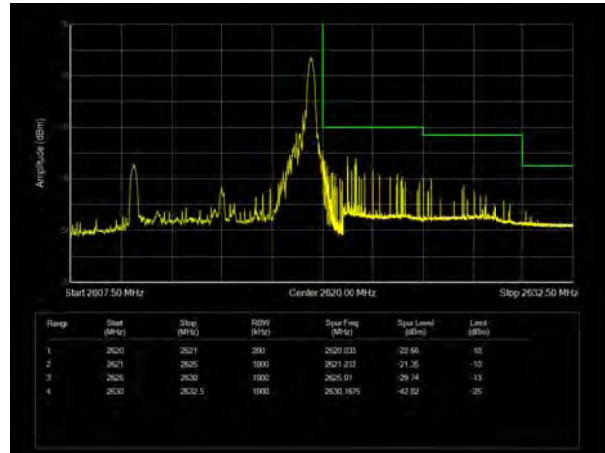
LTE Band 38 64QAM 5MHz CH-High, 100%RB



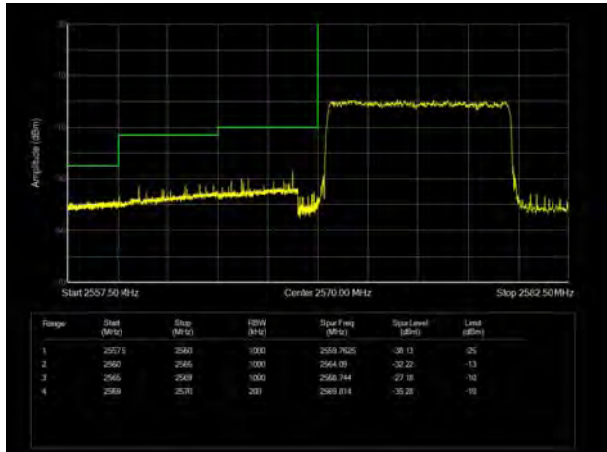
LTE Band 38 64QAM 10MHz CH-Low, 1 RB



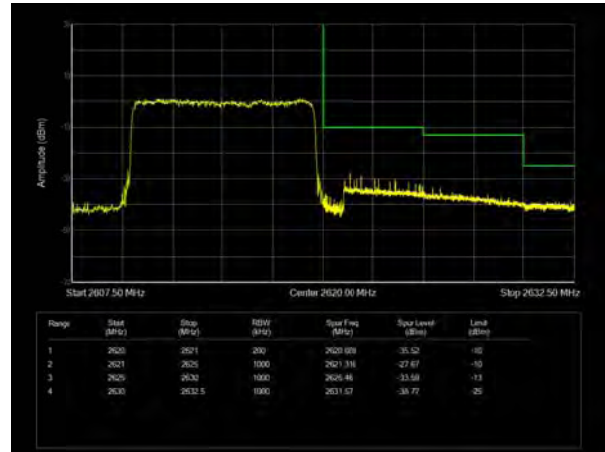
LTE Band 38 64QAM 10MHz CH-High, 1 RB



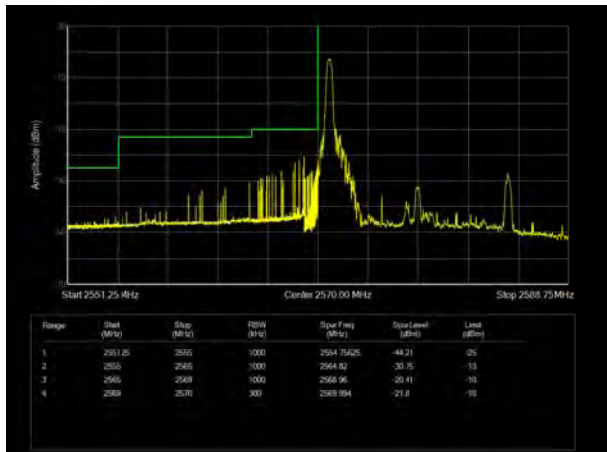
LTE Band 38 64QAM 10MHz CH-Low, 100%RB



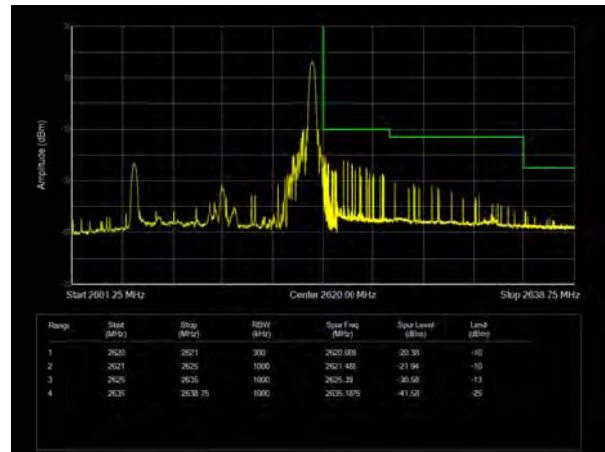
LTE Band 38 64QAM 10MHz CH-High, 100%RB



LTE Band 38 64QAM 15MHz CH-Low, 1 RB

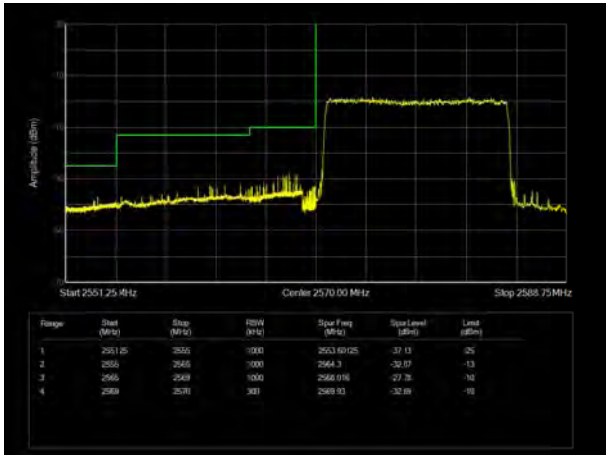


LTE Band 38 64QAM 15MHz CH-High, 1 RB

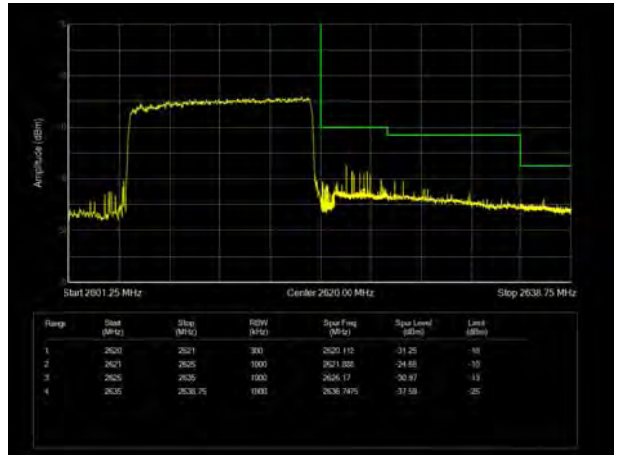




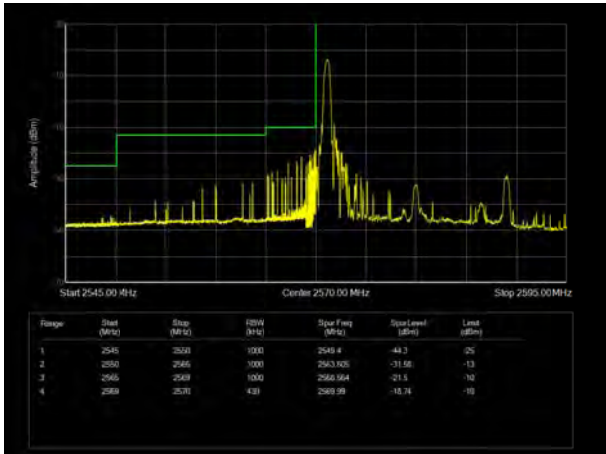
LTE Band 38 64QAM 15MHz CH-Low, 100%RB



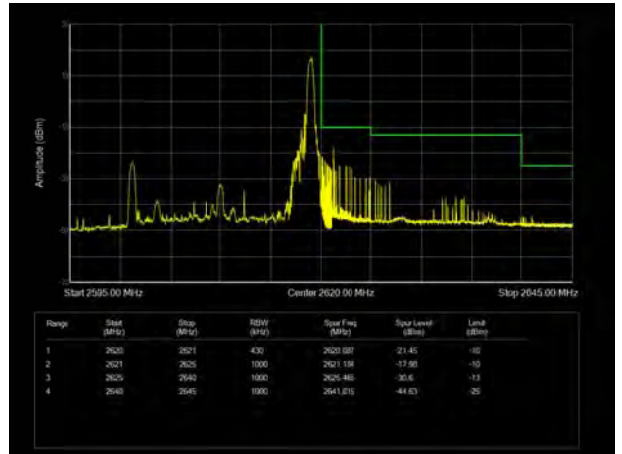
LTE Band 38 64QAM 15MHz CH-High, 100%RB



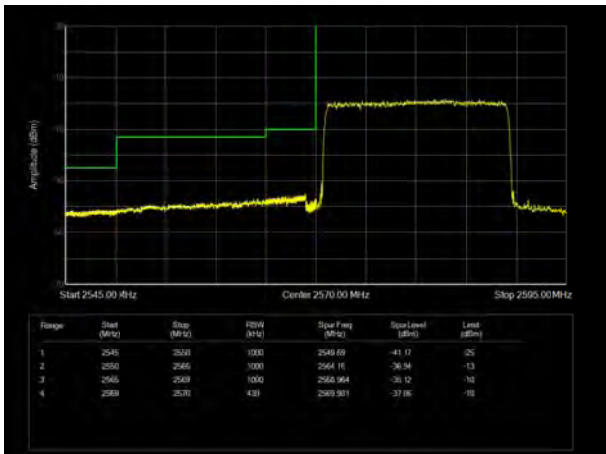
LTE Band 38 64QAM 20MHz CH-Low, 1 RB



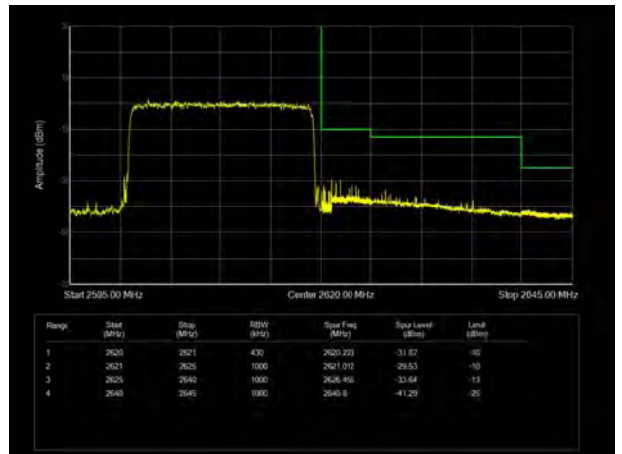
LTE Band 38 64QAM 20MHz CH-High, 1 RB



LTE Band 38 64QAM 20MHz CH-Low, 100%RB

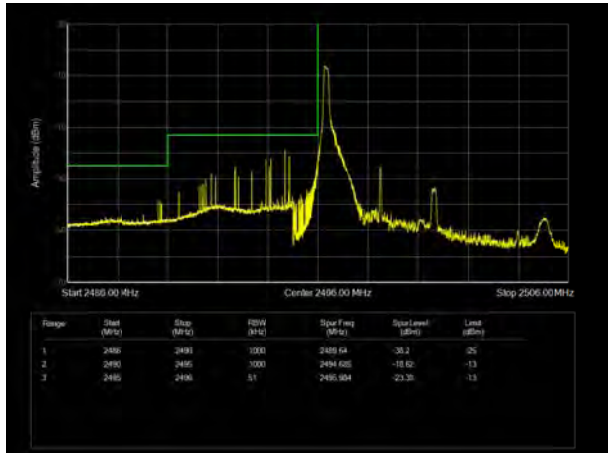


LTE Band 38 64QAM 20MHz CH-High, 100%RB

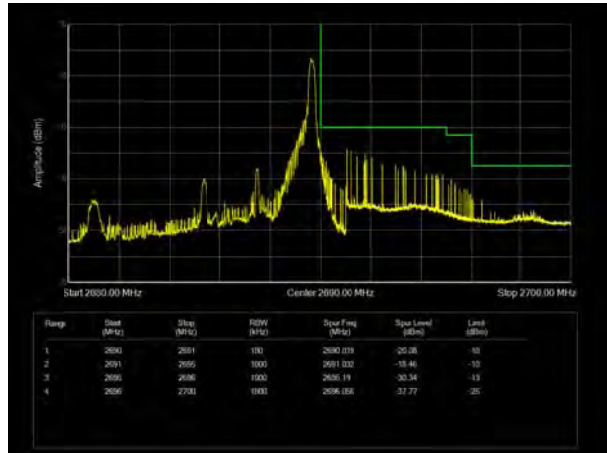




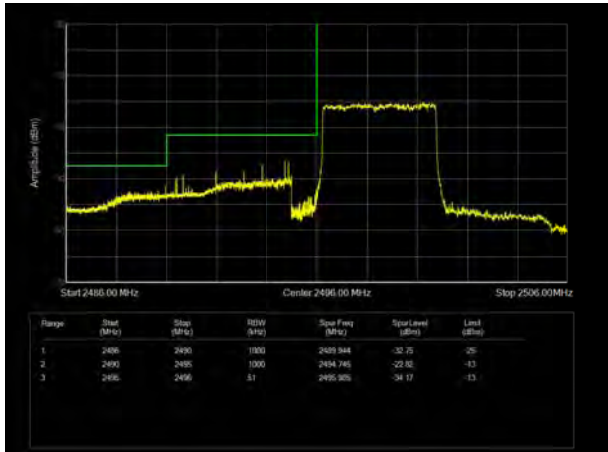
LTE Band 41 QPSK 5MHz CH-Low, 1 RB



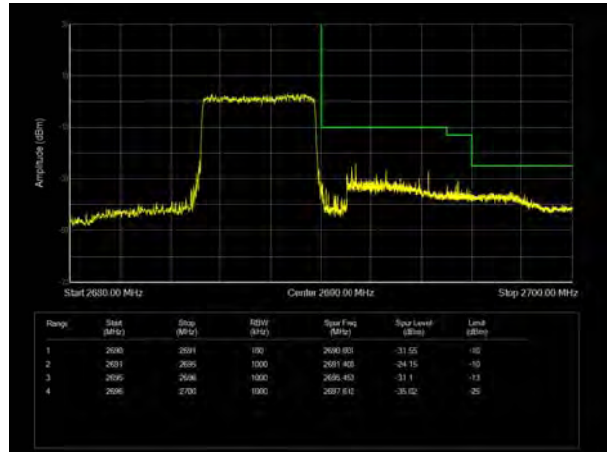
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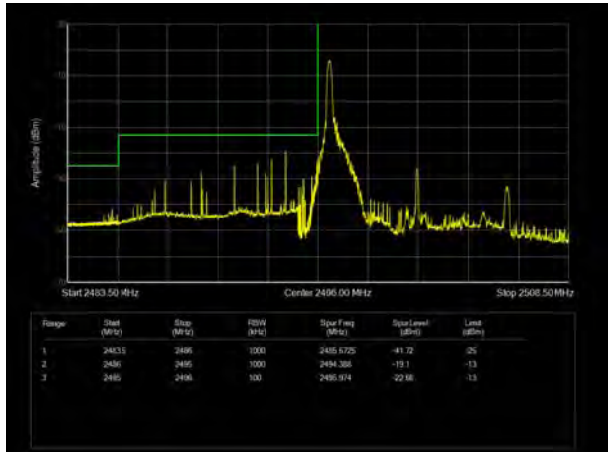
LTE Band 41 QPSK 5MHz CH-Low, 100%RB



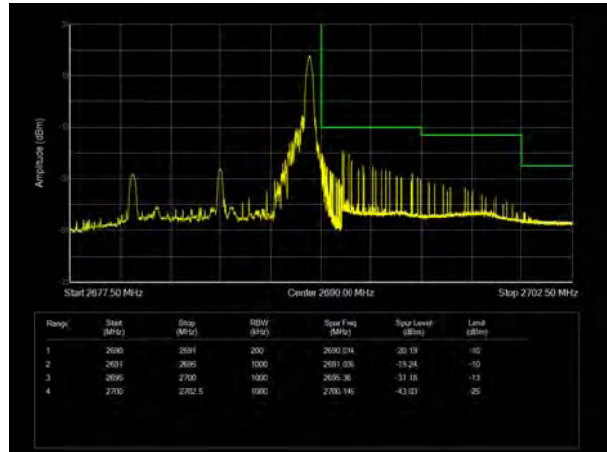
LTE Band 41 QPSK 5MHz CH-High, 100%RB



LTE Band 41 QPSK 10MHz CH-Low, 1 RB



LTE Band 41 QPSK 10MHz CH-High, 1 RB

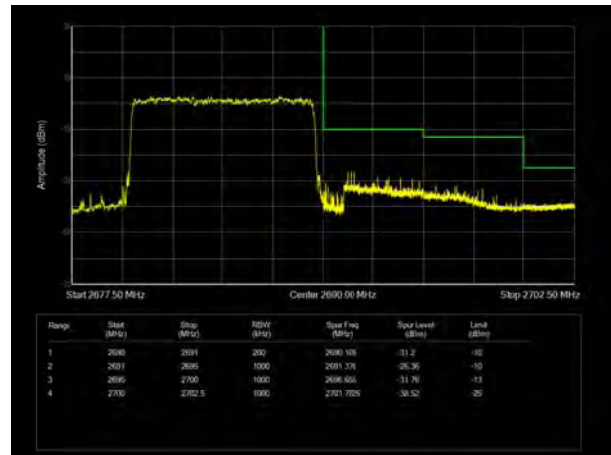




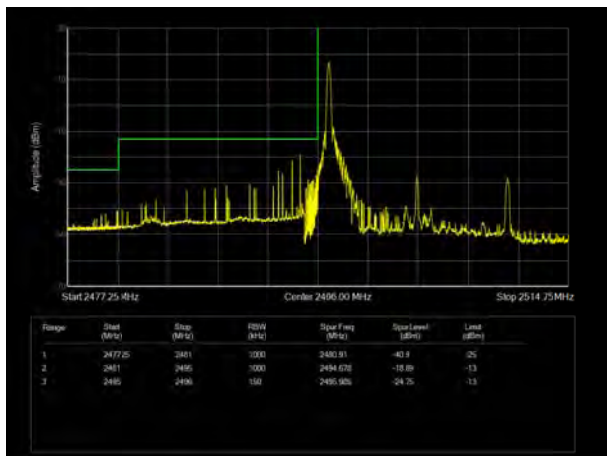
LTE Band 41 QPSK 10MHz CH-Low, 100%RB



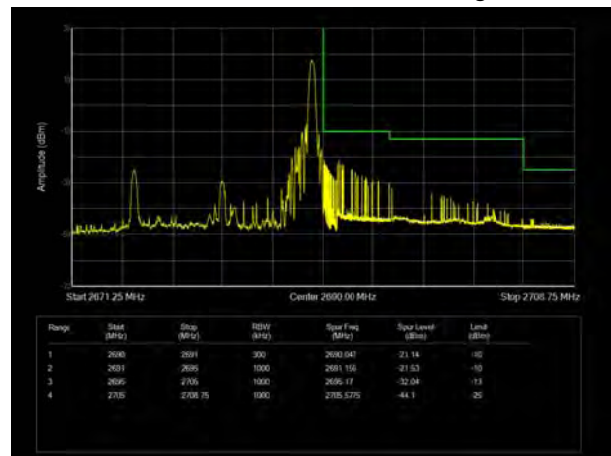
LTE Band 41 QPSK 10MHz CH-High, 100%RB



LTE Band 41 QPSK 15MHz CH-Low, 1 RB



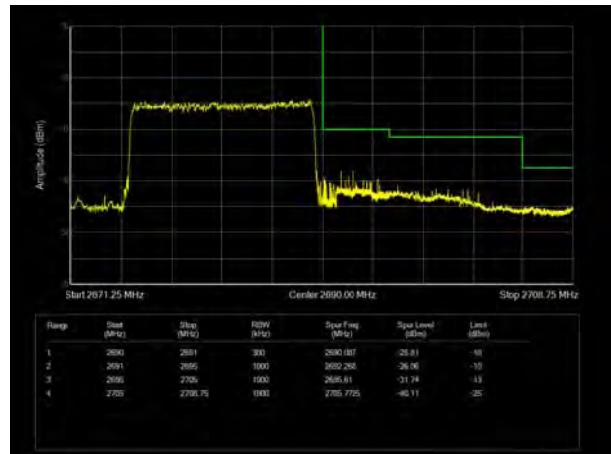
LTE Band 41 QPSK 15MHz CH-High, 1 RB



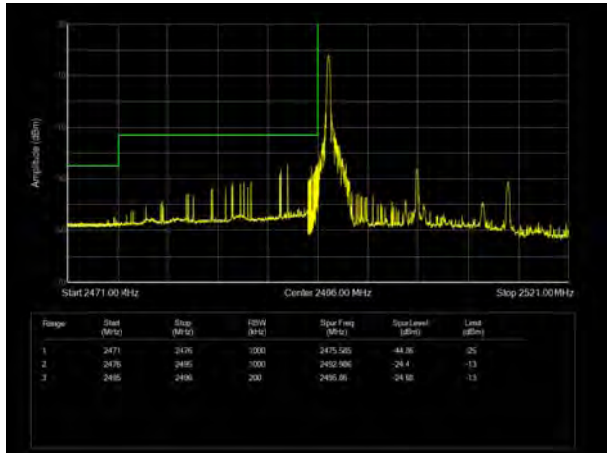
LTE Band 41 QPSK 15MHz CH-Low, 100%RB



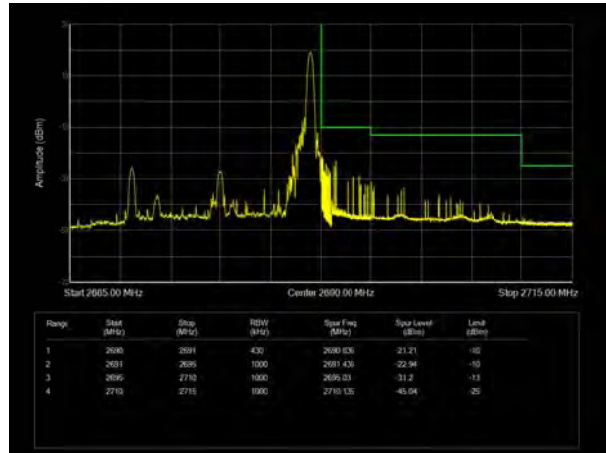
LTE Band 41 QPSK 15MHz CH-High, 100%RB



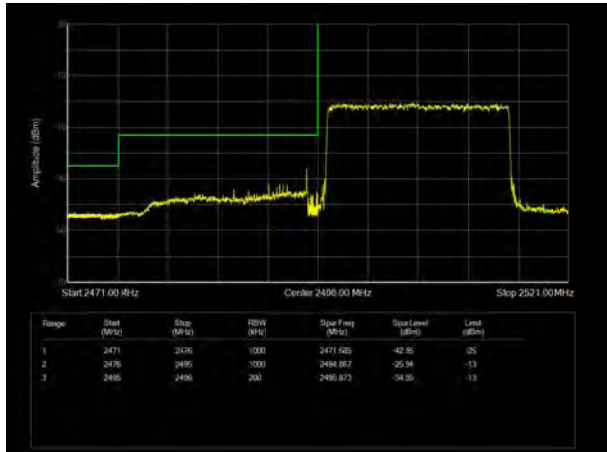
LTE Band 41 QPSK 20MHz CH-Low, 1 RB



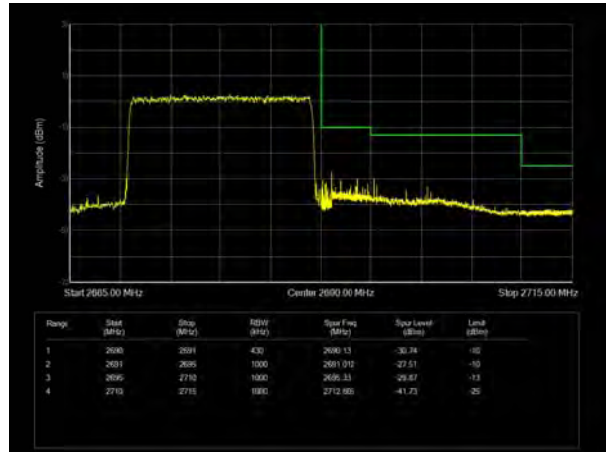
LTE Band 41 QPSK 20MHz CH-High, 1 RB



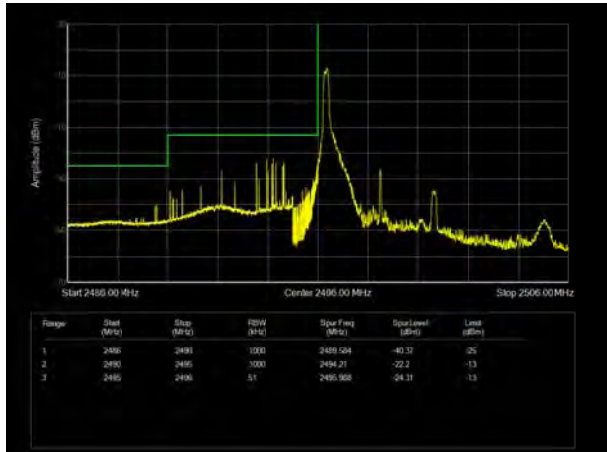
LTE Band 41 QPSK 20MHz CH-Low, 100%RB



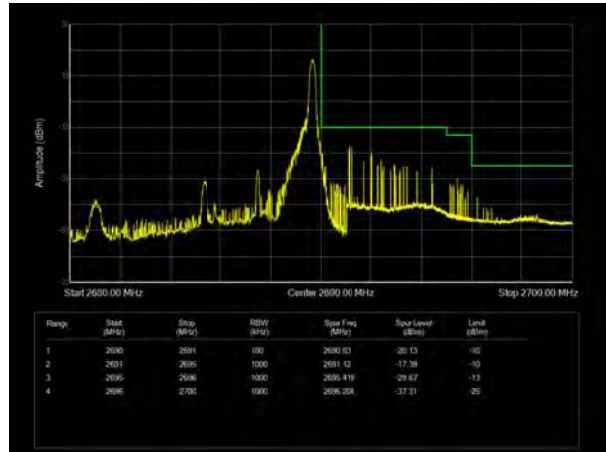
LTE Band 41 QPSK 20MHz CH-High, 100%RB



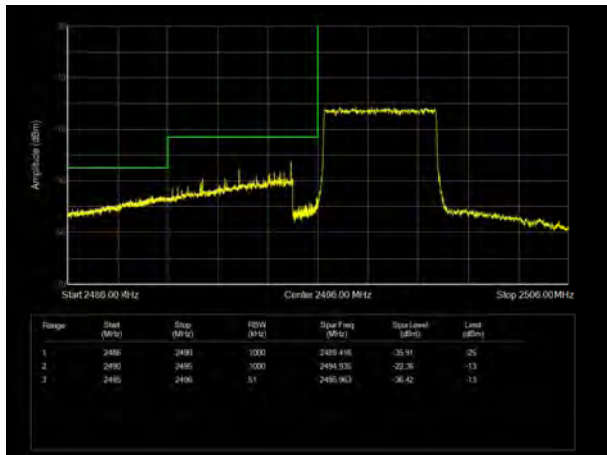
LTE Band 41 16QAM 5MHz CH-Low, 1 RB



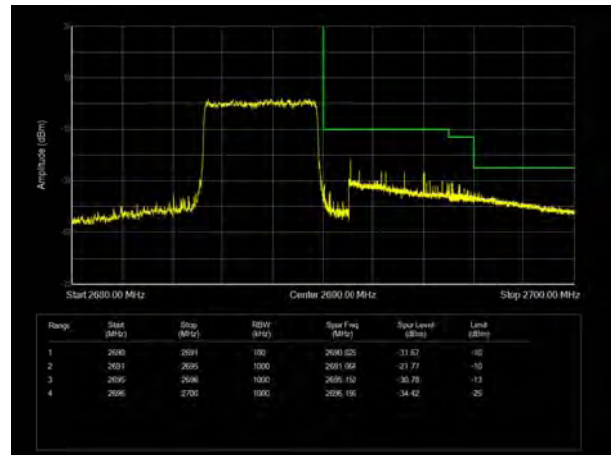
LTE Band 41 16QAM 5MHz CH-High, 1 RB



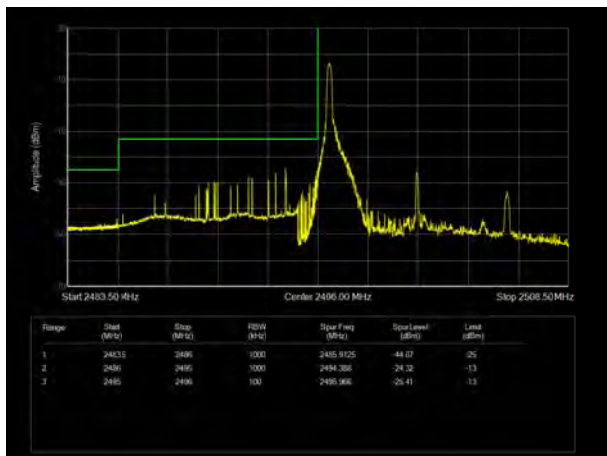
LTE Band 41 16QAM 5MHz CH-Low, 100%RB



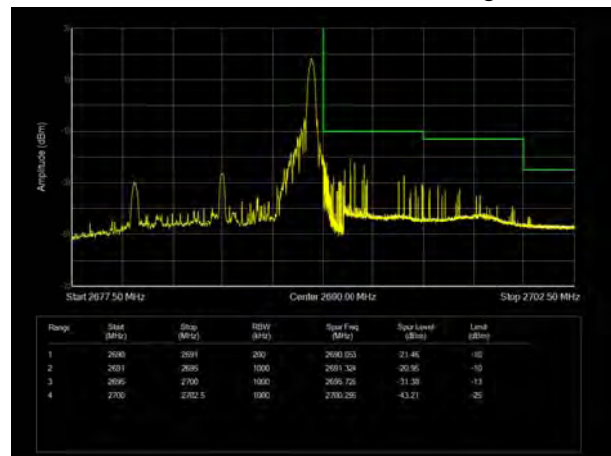
LTE Band 41 16QAM 5MHz CH-High, 100%RB



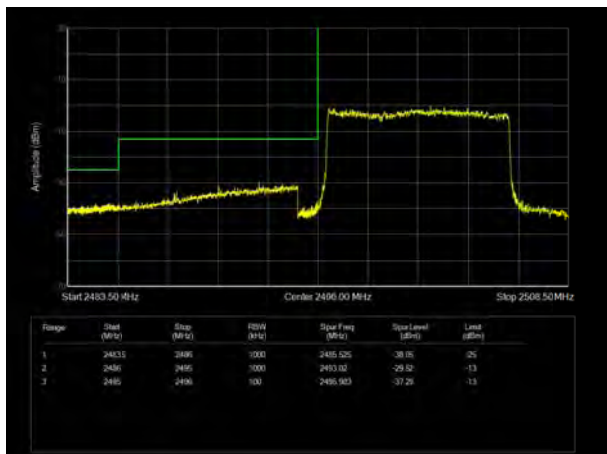
LTE Band 41 16QAM 10MHz CH-Low, 1 RB



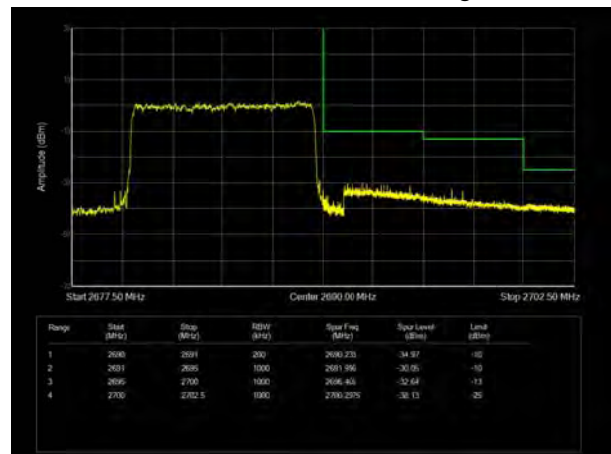
LTE Band 41 16QAM 10MHz CH-High, 1 RB



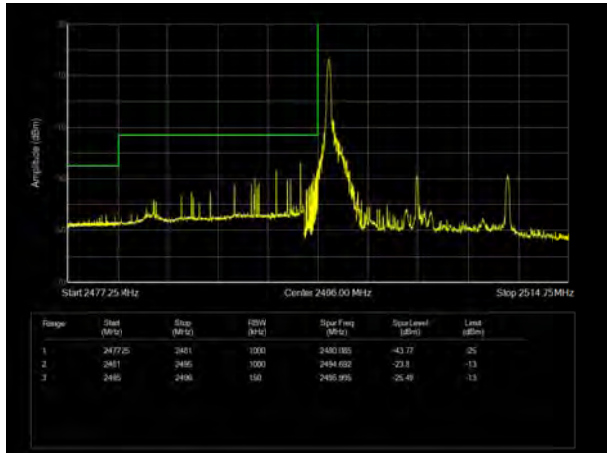
LTE Band 41 16QAM 10MHz CH-Low, 100%RB



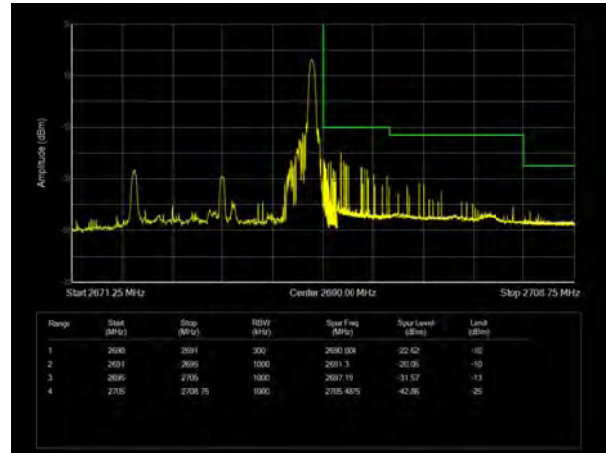
LTE Band 41 16QAM 10MHz CH-High, 100%RB



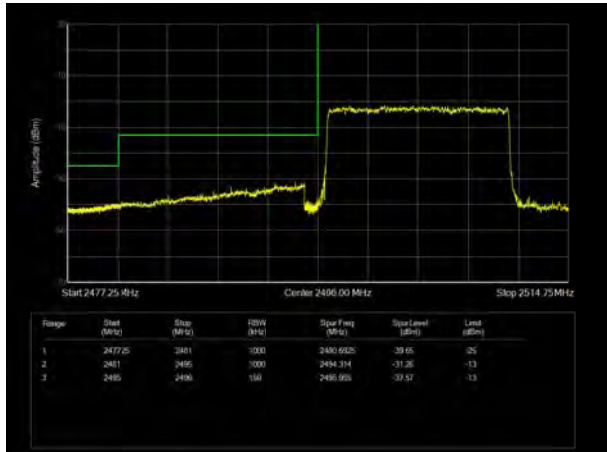
LTE Band 41 16QAM 15MHz CH-Low, 1 RB



LTE Band 41 16QAM 15MHz CH-High, 1 RB



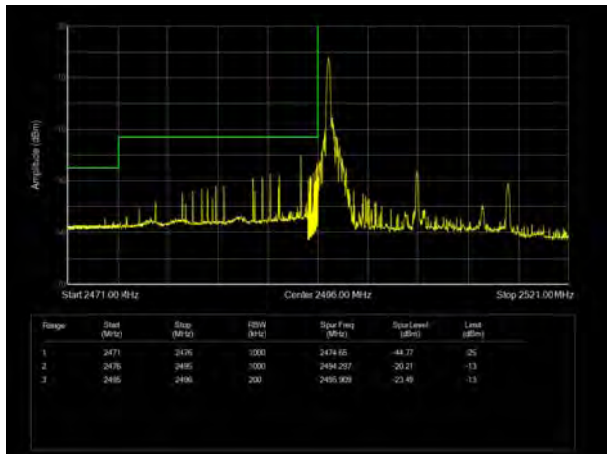
LTE Band 41 16QAM 15MHz CH-Low, 100%RB



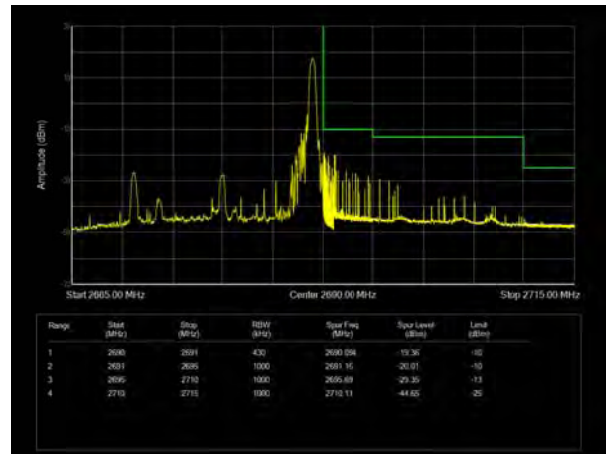
LTE Band 41 16QAM 15MHz CH-High, 100%RB



LTE Band 41 16QAM 20MHz CH-Low, RB 1

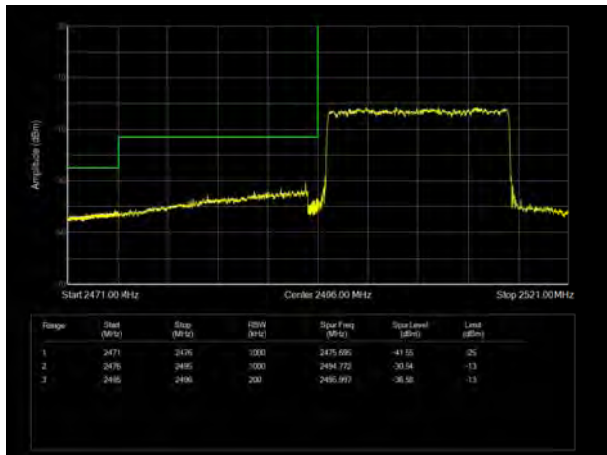


LTE Band 41 16QAM 20MHz CH-High, RB 1

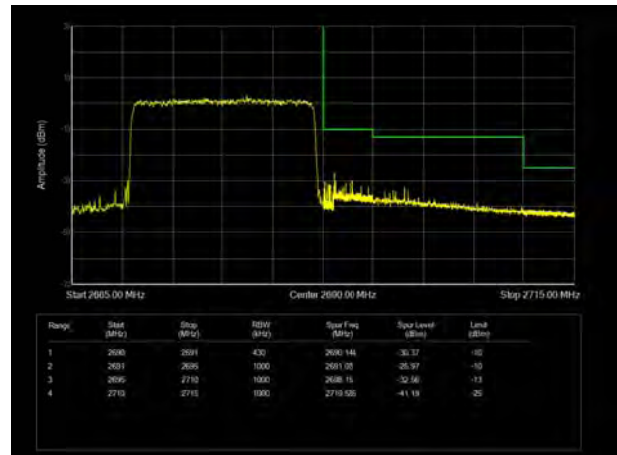




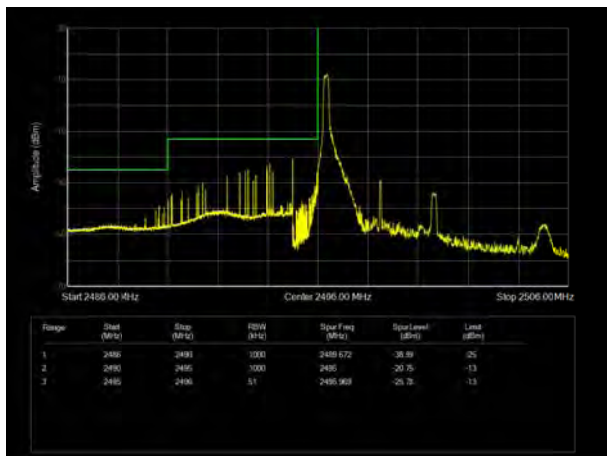
LTE Band 41 16QAM 20MHz CH-Low, 100%RB



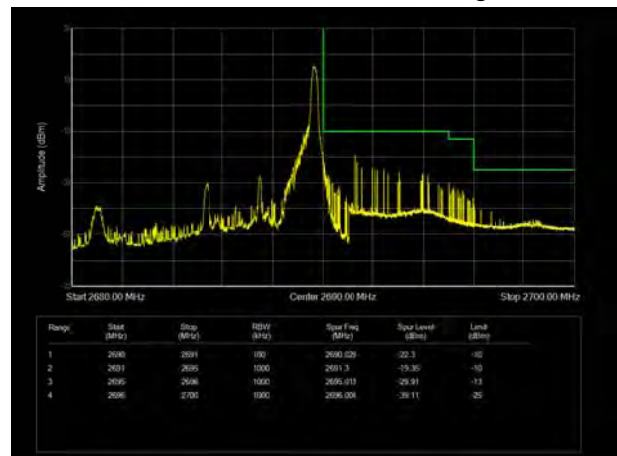
LTE Band 41 16QAM 20MHz CH-High, 100%RB



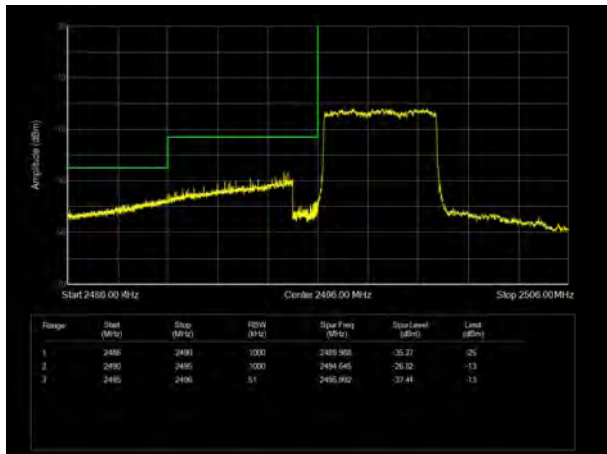
LTE Band 41 64QAM 5MHz CH-Low, 1 RB



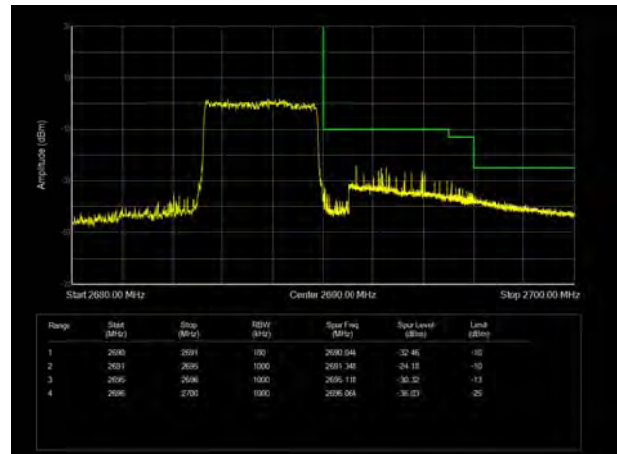
LTE Band 41 64QAM 5MHz CH-High, 1 RB



LTE Band 41 64QAM 5MHz CH-Low, 100%RB

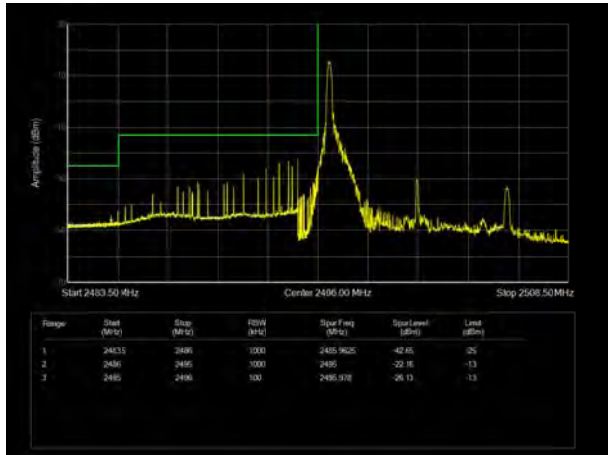


LTE Band 41 64QAM 5MHz CH-High, 100%RB

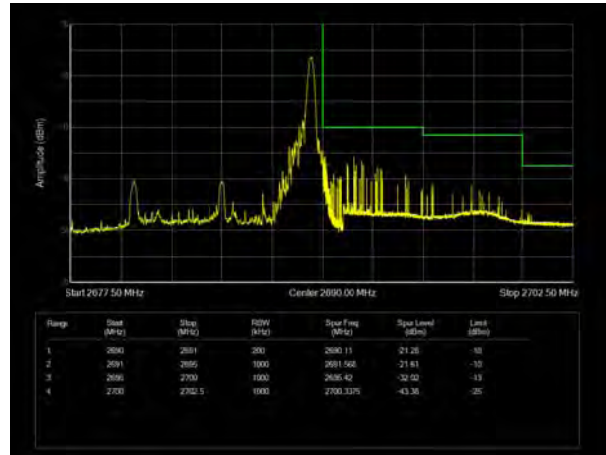




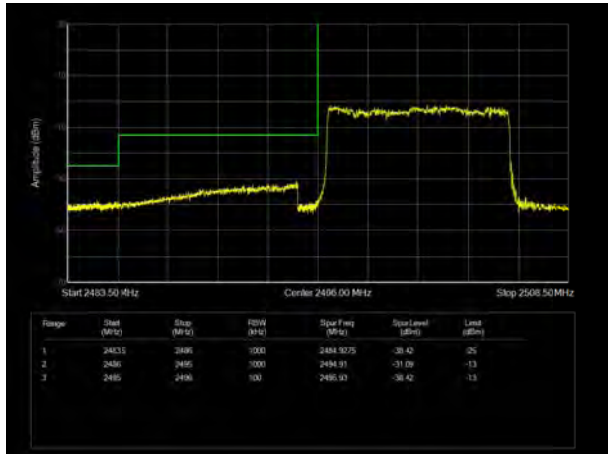
LTE Band 41 64QAM 10MHz CH-Low, 1 RB



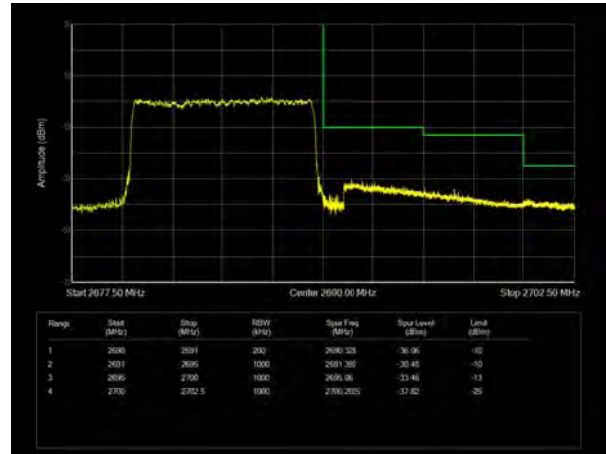
LTE Band 41 64QAM 10MHz CH-High, 1 RB



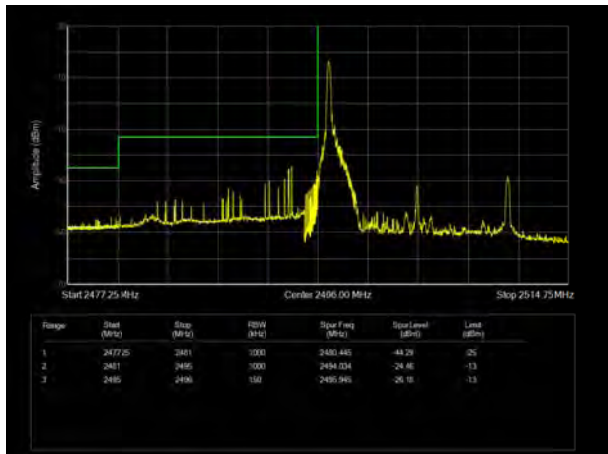
LTE Band 41 64QAM 10MHz CH-Low, 100%RB



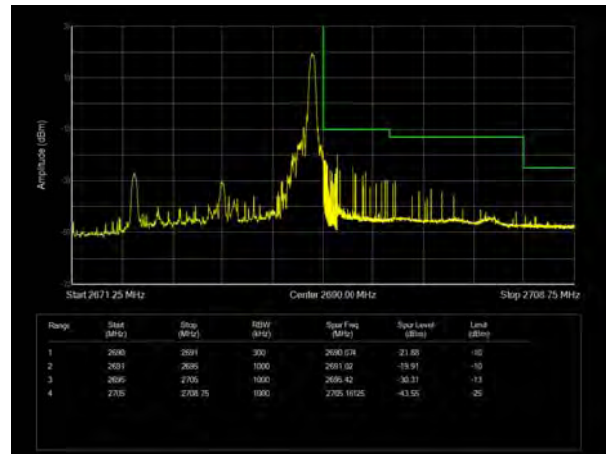
LTE Band 41 64QAM 10MHz CH-High, 100%RB



LTE Band 41 64QAM 15MHz CH-Low, 1 RB

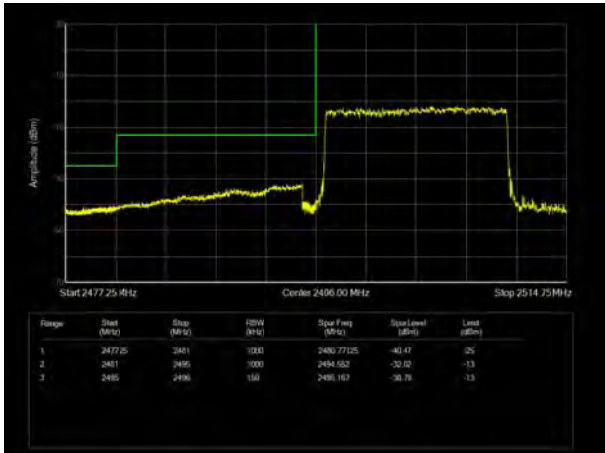


LTE Band 41 64QAM 15MHz CH-High, 1 RB

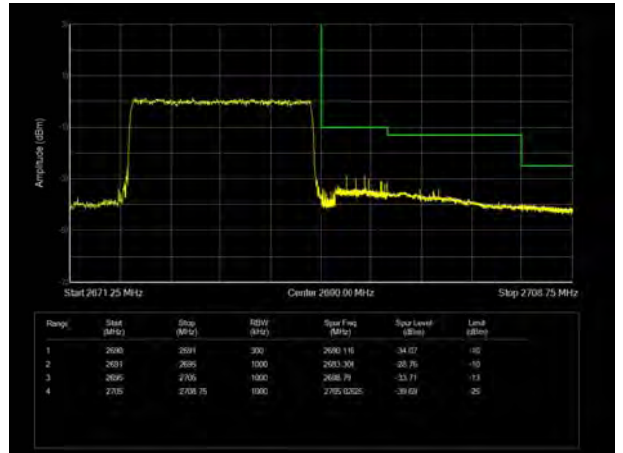




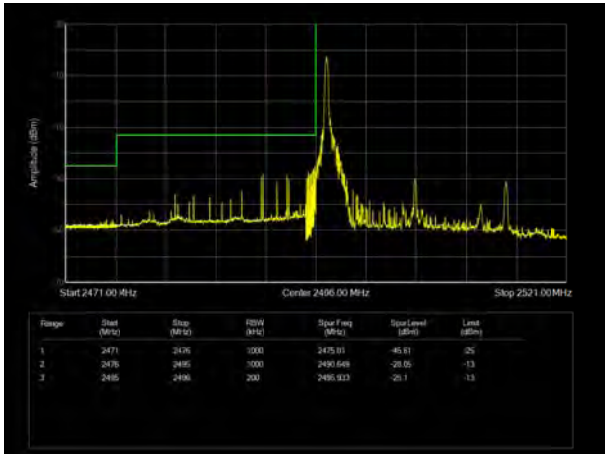
LTE Band 41 64QAM 15MHz CH-Low, 100%RB



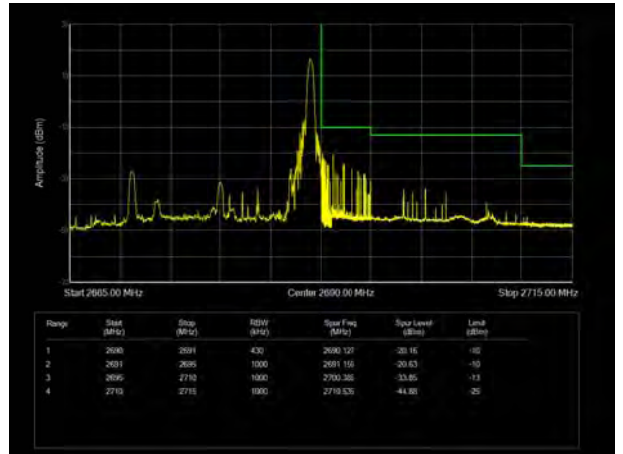
LTE Band 41 64QAM 15MHz CH-High, 100%RB



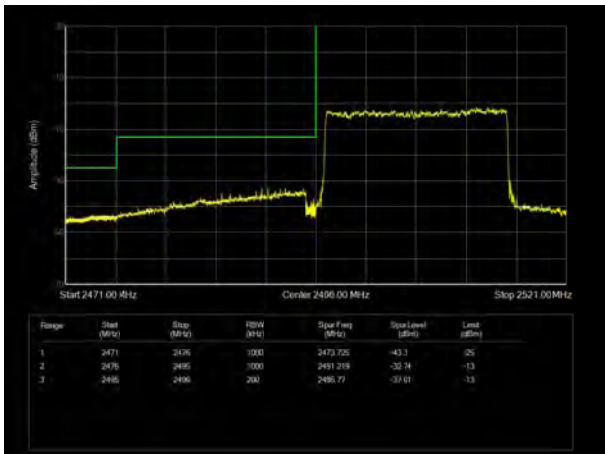
LTE Band 41 64QAM 20MHz CH-Low, 1 RB



LTE Band 41 64QAM 20MHz CH-High, 1 RB



LTE Band 41 64QAM 20MHz CH-Low, 100%RB



LTE Band 41 64QAM 20MHz CH-High, 100%RB



6.4 Peak-to-Average Power Ratio (PAPR)

LTE Band 7								
Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	Peak (dBm)	Avg (dBm)	PAPR (dB)	Limit (dB)	Conclusion
QPSK	5	20775	2502.5	26.59	21.54	5.05	≤13	PASS
		21100	2535	26.33	21.33	5.00	≤13	PASS
		21425	2567.5	26.08	21.32	4.76	≤13	PASS
	10	20800	2505	26.62	21.47	5.15	≤13	PASS
		21100	2535	26.34	21.32	5.02	≤13	PASS
		21400	2565	26.23	21.37	4.86	≤13	PASS
	15	20825	2507.5	26.93	21.42	5.51	≤13	PASS
		21100	2535	26.79	21.37	5.42	≤13	PASS
		21375	2562.5	26.70	21.39	5.31	≤13	PASS
	20	20850	2510	26.59	21.28	5.31	≤13	PASS
		21100	2535	26.67	21.28	5.39	≤13	PASS
		21350	2560	26.58	21.31	5.27	≤13	PASS
16QAM	5	20775	2502.5	26.41	20.55	5.86	≤13	PASS
		21100	2535	26.08	20.35	5.73	≤13	PASS
		21425	2567.5	25.92	20.35	5.57	≤13	PASS
	10	20800	2505	26.46	20.49	5.97	≤13	PASS
		21100	2535	26.12	20.33	5.79	≤13	PASS
		21400	2565	26.06	20.37	5.69	≤13	PASS
	15	20825	2507.5	26.44	20.40	6.04	≤13	PASS
		21100	2535	26.33	20.35	5.98	≤13	PASS
		21375	2562.5	26.31	20.37	5.94	≤13	PASS
	20	20850	2510	26.39	20.31	6.08	≤13	PASS
		21100	2535	26.32	20.29	6.03	≤13	PASS
		21350	2560	26.29	20.30	5.99	≤13	PASS
64QAM	5	20775	2502.5	26.06	20.15	5.91	≤13	PASS
		21100	2535	25.74	19.94	5.80	≤13	PASS
		21425	2567.5	25.60	19.93	5.67	≤13	PASS
	10	20800	2505	26.04	20.12	5.92	≤13	PASS
		21100	2535	25.85	19.97	5.88	≤13	PASS



	15	21400	2565	25.75	19.95	5.80	≤13	PASS
		20825	2507.5	26.12	20.03	6.09	≤13	PASS
		21100	2535	26.05	20.00	6.05	≤13	PASS
	20	21375	2562.5	25.96	19.94	6.02	≤13	PASS
		20850	2510	26.01	19.93	6.08	≤13	PASS
		21100	2535	26.03	19.94	6.09	≤13	PASS
		21350	2560	25.96	19.90	6.06	≤13	PASS

LTE Band 38								
Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	Peak (dBm)	Avg (dBm)	PAPR (dB)	Limit (dB)	Conclusion
QPSK	5	37775	2572.5	26.36	16.94	9.42	≤13	PASS
		38000	2595	26.64	18.48	8.16	≤13	PASS
		38225	2617.5	26.73	17.37	9.36	≤13	PASS
	10	37800	2575	26.36	16.93	9.43	≤13	PASS
		38000	2595	26.52	16.90	9.62	≤13	PASS
		38200	2615	26.57	16.24	10.33	≤13	PASS
	15	37825	2577.5	26.70	17.00	9.70	≤13	PASS
		38000	2595	26.91	17.62	9.29	≤13	PASS
		38175	2612.5	27.01	17.29	9.72	≤13	PASS
	20	37850	2580	26.34	17.65	8.69	≤13	PASS
		38000	2595	26.52	17.45	9.07	≤13	PASS
		38150	2610	26.70	17.73	8.97	≤13	PASS
16QAM	5	37775	2572.5	25.86	15.59	10.27	≤13	PASS
		38000	2595	25.99	14.72	11.27	≤13	PASS
		38225	2617.5	26.30	15.66	10.64	≤13	PASS
	10	37800	2575	26.18	17.20	8.98	≤13	PASS
		38000	2595	26.18	15.92	10.26	≤13	PASS
		38200	2615	26.48	17.05	9.43	≤13	PASS
	15	37825	2577.5	26.15	15.67	10.48	≤13	PASS
		38000	2595	26.43	17.14	9.29	≤13	PASS
		38175	2612.5	26.33	13.96	12.37	≤13	PASS
	20	37850	2580	26.05	16.29	9.76	≤13	PASS
		38000	2595	26.13	16.13	10.00	≤13	PASS
		38150	2610	26.50	17.29	9.21	≤13	PASS



64QAM	5	37775	2572.5	25.44	16.38	9.06	≤13	PASS
		38000	2595	25.74	16.18	9.56	≤13	PASS
		38225	2617.5	25.93	16.52	9.41	≤13	PASS
	10	37800	2575	25.46	15.56	9.90	≤13	PASS
		38000	2595	25.77	16.11	9.66	≤13	PASS
		38200	2615	25.92	16.36	9.56	≤13	PASS
	15	37825	2577.5	25.57	14.98	10.59	≤13	PASS
		38000	2595	25.77	15.14	10.63	≤13	PASS
		38175	2612.5	26.12	16.94	9.18	≤13	PASS
	20	37850	2580	25.34	14.40	10.94	≤13	PASS
		38000	2595	25.63	15.27	10.36	≤13	PASS
		38150	2610	26.05	17.87	8.18	≤13	PASS

LTE Band 41								
Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	Peak (dBm)	Avg (dBm)	PAPR (dB)	Limit (dB)	Conclusion
QPSK	5	39675	2498.5	26.50	16.65	9.85	≤13	PASS
		40620	2593	26.51	16.99	9.52	≤13	PASS
		41565	2687.5	26.69	18.66	8.03	≤13	PASS
	10	39700	2501	26.38	17.07	9.31	≤13	PASS
		40620	2593	26.38	17.46	8.92	≤13	PASS
		41540	2685	26.60	17.46	9.14	≤13	PASS
	15	39725	2503.5	26.72	17.51	9.21	≤13	PASS
		40620	2593	26.84	18.11	8.73	≤13	PASS
		41515	2682.5	26.96	17.68	9.28	≤13	PASS
	20	39750	2506	26.23	16.35	9.88	≤13	PASS
		40620	2593	26.56	19.03	7.53	≤13	PASS
		41490	2680	26.57	16.12	10.45	≤13	PASS
16QAM	5	39675	2498.5	26.24	17.03	9.21	≤13	PASS
		40620	2593	26.02	15.03	10.99	≤13	PASS
		41565	2687.5	26.25	16.02	10.23	≤13	PASS
	10	39700	2501	25.79	13.67	12.12	≤13	PASS
		40620	2593	26.07	16.49	9.58	≤13	PASS
		41540	2685	26.40	17.13	9.27	≤13	PASS
15	39725	2503.5	26.28	17.15	9.13	≤13	PASS	



		40620	2593	26.13	15.50	10.63	≤13	PASS
		41515	2682.5	26.36	15.57	10.79	≤13	PASS
	20	39750	2506	26.15	17.34	8.81	≤13	PASS
		40620	2593	26.13	17.13	9.00	≤13	PASS
		41490	2680	26.28	16.10	10.18	≤13	PASS
64QAM	5	39675	2498.5	23.57	14.16	9.41	≤13	PASS
		40620	2593	25.58	14.98	10.60	≤13	PASS
		41565	2687.5	25.66	14.71	10.95	≤13	PASS
	10	39700	2501	25.49	16.20	9.29	≤13	PASS
		40620	2593	25.57	16.17	9.40	≤13	PASS
		41540	2685	25.64	15.23	10.41	≤13	PASS
	15	39725	2503.5	25.45	14.92	10.53	≤13	PASS
		40620	2593	25.78	16.29	9.49	≤13	PASS
		41515	2682.5	25.93	15.64	10.29	≤13	PASS
	20	39750	2506	25.26	14.96	10.30	≤13	PASS
		40620	2593	25.50	15.21	10.29	≤13	PASS
		41490	2680	25.63	15.05	10.58	≤13	PASS



6.5 Frequency Stability

LTE Band 7								
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	5MHz							
Temperature	Voltage	64QAM	16QAM	QPSK	64QAM	16QAM	QPSK	
Normal (25°C)	Normal	1.19	3.37	15.81	0.00047	0.00133	0.00624	PASS
Extreme (50°C)		15.80	9.83	15.28	0.00623	0.00388	0.00603	PASS
Extreme (40°C)		7.50	14.71	10.91	0.00296	0.00580	0.00430	PASS
Extreme (30°C)		2.20	10.19	10.68	0.00087	0.00402	0.00421	PASS
Extreme (20°C)		7.13	7.66	2.57	0.00281	0.00302	0.00101	PASS
Extreme (10°C)		16.53	10.34	3.01	0.00652	0.00408	0.00119	PASS
Extreme (0°C)		6.19	7.94	15.53	0.00244	0.00313	0.00612	PASS
Extreme (-10°C)		4.06	16.21	3.31	0.00160	0.00640	0.00130	PASS
Extreme (-20°C)		1.51	5.85	5.82	0.00059	0.00231	0.00230	PASS
Extreme (-30°C)		8.66	17.65	17.18	0.00342	0.00696	0.00678	PASS
25°C	LV	6.71	10.96	14.06	0.00265	0.00432	0.00555	PASS
	HV	3.37	11.46	12.27	0.00133	0.00452	0.00484	PASS
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	10MHz							
Temperature	Voltage	64QAM	16QAM	QPSK	64QAM	16QAM	QPSK	
Normal (25°C)	Normal	14.35	13.68	7.40	0.00566	0.00540	0.00292	PASS
Extreme (50°C)		3.40	7.85	9.32	0.00134	0.00310	0.00368	PASS
Extreme (40°C)		16.59	12.85	10.52	0.00655	0.00507	0.00415	PASS
Extreme (30°C)		15.11	17.57	5.89	0.00596	0.00693	0.00232	PASS
Extreme (20°C)		9.35	2.05	4.96	0.00369	0.00081	0.00196	PASS
Extreme (10°C)		5.29	3.17	15.31	0.00209	0.00125	0.00604	PASS
Extreme (0°C)		2.27	11.86	4.71	0.00090	0.00468	0.00186	PASS
Extreme (-10°C)		6.12	9.38	15.10	0.00242	0.00370	0.00596	PASS
Extreme (-20°C)		4.19	5.96	6.17	0.00165	0.00235	0.00243	PASS
Extreme (-30°C)		3.80	12.35	3.51	0.00150	0.00487	0.00138	PASS
25°C	LV	4.23	9.56	11.85	0.00167	0.00377	0.00467	PASS
	HV	7.47	16.04	3.01	0.00295	0.00633	0.00119	PASS
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	15MHz							
Temperature	Voltage	64QAM	16QAM	QPSK	64QAM	16QAM	QPSK	
Normal (25°C)	Normal	9.05	17.39	3.71	0.00357	0.00686	0.00146	PASS



Extreme (50°C)		2.72	1.06	16.38	0.00107	0.00042	0.00646	PASS
Extreme (40°C)		6.21	11.21	10.81	0.00245	0.00442	0.00427	PASS
Extreme (30°C)		10.43	10.40	14.03	0.00411	0.00410	0.00554	PASS
Extreme (20°C)		4.83	13.47	6.55	0.00191	0.00531	0.00258	PASS
Extreme (10°C)		4.09	17.31	12.51	0.00161	0.00683	0.00494	PASS
Extreme (0°C)		11.33	10.35	6.62	0.00447	0.00408	0.00261	PASS
Extreme (-10°C)		10.89	15.14	5.43	0.00430	0.00597	0.00214	PASS
Extreme (-20°C)		14.08	7.33	7.12	0.00556	0.00289	0.00281	PASS
Extreme (-30°C)		15.37	13.55	9.83	0.00606	0.00535	0.00388	PASS
25°C	LV	6.92	11.38	11.18	0.00273	0.00449	0.00441	PASS
	HV	2.04	10.77	1.66	0.00081	0.00425	0.00066	PASS
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	20MHz							
Temperature	Voltage	64QAM	16QAM	QPSK	64QAM	16QAM	QPSK	
Normal (25°C)	Normal	11.69	3.65	13.23	0.00461	0.00144	0.00522	PASS
Extreme (50°C)		5.20	16.35	5.36	0.00205	0.00645	0.00212	PASS
Extreme (40°C)		7.76	9.35	2.68	0.00306	0.00369	0.00106	PASS
Extreme (30°C)		1.82	6.77	2.67	0.00072	0.00267	0.00105	PASS
Extreme (20°C)		14.84	11.17	11.18	0.00586	0.00441	0.00441	PASS
Extreme (10°C)		1.12	12.92	14.14	0.00044	0.00510	0.00558	PASS
Extreme (0°C)		1.44	2.06	3.24	0.00057	0.00081	0.00128	PASS
Extreme (-10°C)		3.19	4.05	11.17	0.00126	0.00160	0.00441	PASS
Extreme (-20°C)		10.60	12.29	17.13	0.00418	0.00485	0.00676	PASS
Extreme (-30°C)		15.61	1.06	15.76	0.00616	0.00042	0.00622	PASS
25°C	LV	11.76	11.69	9.59	0.00464	0.00461	0.00378	PASS
	HV	7.07	17.70	6.50	0.00279	0.00698	0.00256	PASS

LTE Band 38								
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	5MHz							
Temperature	Voltage	64QAM	16QAM	QPSK	64QAM	16QAM	QPSK	
Normal (25°C)	Normal	8.74	15.23	15.45	0.00337	0.00587	0.00595	PASS
Extreme (50°C)		17.38	11.62	7.47	0.00670	0.00448	0.00288	PASS
Extreme (40°C)		13.56	15.55	13.23	0.00523	0.00599	0.00510	PASS
Extreme (30°C)		3.81	2.20	3.00	0.00147	0.00085	0.00115	PASS
Extreme (20°C)		4.66	7.93	2.33	0.00180	0.00305	0.00090	PASS
Extreme (10°C)		3.77	5.36	2.70	0.00145	0.00207	0.00104	PASS
Extreme (0°C)		1.71	9.88	11.72	0.00066	0.00381	0.00452	PASS
Extreme (-10°C)		10.99	17.24	1.56	0.00423	0.00664	0.00060	PASS



Extreme (-20°C)		7.55	10.70	2.76	0.00291	0.00412	0.00107	PASS	
Extreme (-30°C)		5.19	4.54	3.11	0.00200	0.00175	0.00120	PASS	
25°C	LV	2.76	4.17	5.09	0.00106	0.00161	0.00196	PASS	
	HV	9.62	5.70	6.01	0.00371	0.00220	0.00232	PASS	
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict	
BANDWIDTH	10MHz								
Temperature	Voltage	64QAM	16QAM	QPSK	64QAM	16QAM	QPSK		
Normal (25°C)	Normal	17.17	15.75	15.87	0.00661	0.00607	0.00612	PASS	
Extreme (50°C)		12.41	13.75	15.46	0.00478	0.00530	0.00596	PASS	
Extreme (40°C)		12.93	13.83	17.47	0.00498	0.00533	0.00673	PASS	
Extreme (30°C)		4.02	8.16	7.18	0.00155	0.00314	0.00277	PASS	
Extreme (20°C)		17.34	16.64	1.14	0.00668	0.00641	0.00044	PASS	
Extreme (10°C)		9.54	7.88	16.29	0.00368	0.00304	0.00628	PASS	
Extreme (0°C)		8.77	8.74	5.56	0.00338	0.00337	0.00214	PASS	
Extreme (-10°C)		12.32	11.14	5.48	0.00475	0.00429	0.00211	PASS	
Extreme (-20°C)		12.99	15.75	1.40	0.00500	0.00607	0.00054	PASS	
Extreme (-30°C)		6.76	12.31	2.68	0.00260	0.00474	0.00103	PASS	
25°C		LV	1.67	13.66	3.24	0.00064	0.00526	0.00125	PASS
		HV	1.12	11.62	12.04	0.00043	0.00448	0.00464	PASS
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict	
BANDWIDTH	15MHz								
Temperature	Voltage	64QAM	16QAM	QPSK	64QAM	16QAM	QPSK		
Normal (25°C)	Normal	10.32	2.07	5.68	0.00398	0.00080	0.00219	PASS	
Extreme (50°C)		3.32	1.39	1.06	0.00128	0.00054	0.00041	PASS	
Extreme (40°C)		17.41	6.88	14.15	0.00671	0.00265	0.00545	PASS	
Extreme (30°C)		13.14	14.10	5.00	0.00506	0.00543	0.00193	PASS	
Extreme (20°C)		7.58	12.46	6.83	0.00292	0.00480	0.00263	PASS	
Extreme (10°C)		6.00	1.46	4.57	0.00231	0.00056	0.00176	PASS	
Extreme (0°C)		6.53	11.58	5.86	0.00252	0.00446	0.00226	PASS	
Extreme (-10°C)		2.66	12.38	1.09	0.00102	0.00477	0.00042	PASS	
Extreme (-20°C)		14.29	10.34	13.42	0.00551	0.00399	0.00517	PASS	
Extreme (-30°C)		8.93	3.84	13.22	0.00344	0.00148	0.00509	PASS	
25°C		LV	3.27	8.87	16.44	0.00126	0.00342	0.00634	PASS
		HV	7.58	14.41	14.08	0.00292	0.00555	0.00543	PASS
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict	
BANDWIDTH	20MHz								
Temperature	Voltage	64QAM	16QAM	QPSK	64QAM	16QAM	QPSK		
Normal (25°C)	Normal	12.83	8.75	12.98	0.00494	0.00337	0.00500	PASS	



Extreme (50°C)		14.01	17.72	6.18	0.00540	0.00683	0.00238	PASS
Extreme (40°C)		15.53	16.46	4.12	0.00598	0.00634	0.00159	PASS
Extreme (30°C)		2.44	8.31	7.13	0.00094	0.00320	0.00275	PASS
Extreme (20°C)		14.01	17.32	6.56	0.00540	0.00668	0.00253	PASS
Extreme (10°C)		15.93	2.96	9.16	0.00614	0.00114	0.00353	PASS
Extreme (0°C)		6.79	2.33	12.37	0.00262	0.00090	0.00477	PASS
Extreme (-10°C)		6.41	8.22	10.07	0.00247	0.00317	0.00388	PASS
Extreme (-20°C)		1.60	13.90	6.19	0.00062	0.00536	0.00238	PASS
Extreme (-30°C)		9.72	13.00	2.26	0.00375	0.00501	0.00087	PASS
25°C	LV	8.79	5.32	9.20	0.00339	0.00205	0.00355	PASS
	HV	3.68	11.52	12.88	0.00142	0.00444	0.00496	PASS

LTE Band 41								
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	5MHz							
Temperature	Voltage	64QAM	16QAM	QPSK	64QAM	16QAM	QPSK	
Normal (25°C)	Normal	3.32	1.77	11.40	0.00128	0.00068	0.00440	PASS
Extreme (50°C)		10.10	15.20	12.54	0.00390	0.00586	0.00483	PASS
Extreme (40°C)		17.38	10.36	3.07	0.00670	0.00399	0.00118	PASS
Extreme (30°C)		14.22	15.42	8.93	0.00548	0.00595	0.00344	PASS
Extreme (20°C)		4.83	14.55	15.66	0.00186	0.00561	0.00604	PASS
Extreme (10°C)		1.77	14.28	7.68	0.00068	0.00551	0.00296	PASS
Extreme (0°C)		13.54	1.27	5.16	0.00522	0.00049	0.00199	PASS
Extreme (-10°C)		10.82	3.16	10.22	0.00417	0.00122	0.00394	PASS
Extreme (-20°C)		7.22	5.46	5.61	0.00279	0.00210	0.00216	PASS
Extreme (-30°C)		16.66	9.13	1.83	0.00642	0.00352	0.00071	PASS
25°C	LV	2.50	5.77	3.46	0.00096	0.00223	0.00133	PASS
	HV	10.85	16.53	13.10	0.00418	0.00638	0.00505	PASS
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	10MHz							
Temperature	Voltage	64QAM	16QAM	QPSK	64QAM	16QAM	QPSK	
Normal (25°C)	Normal	2.98	13.65	16.70	0.00115	0.00526	0.00644	PASS
Extreme (50°C)		3.83	1.63	4.75	0.00148	0.00063	0.00183	PASS
Extreme (40°C)		1.56	16.84	13.84	0.00060	0.00649	0.00534	PASS
Extreme (30°C)		16.92	11.52	9.65	0.00653	0.00444	0.00372	PASS
Extreme (20°C)		16.12	1.95	3.19	0.00622	0.00075	0.00123	PASS
Extreme (10°C)		7.36	5.19	12.84	0.00284	0.00200	0.00495	PASS
Extreme (0°C)		9.77	11.08	8.27	0.00377	0.00427	0.00319	PASS
Extreme (-10°C)		14.83	9.44	16.51	0.00572	0.00364	0.00637	PASS

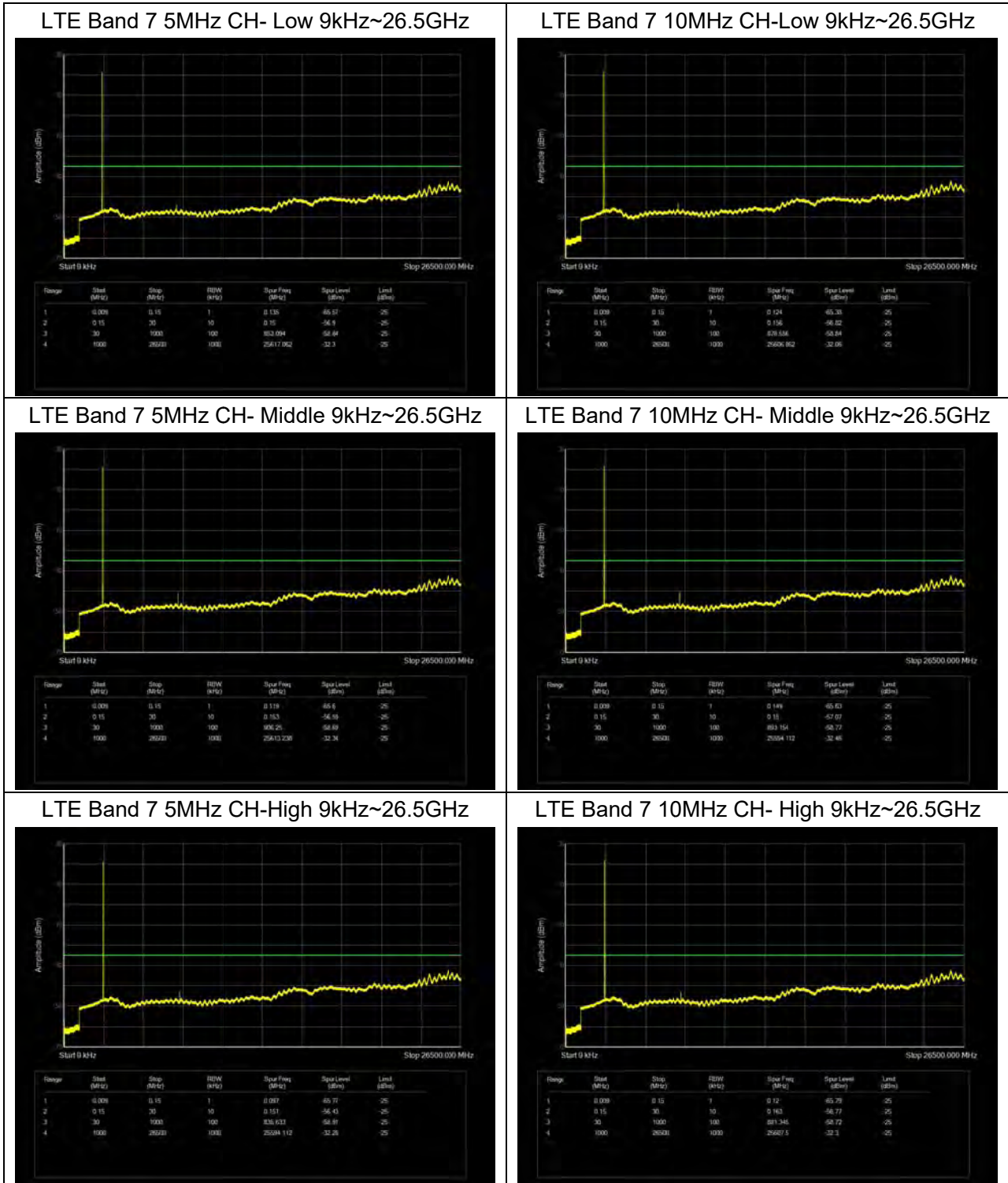


Extreme (-20°C)		16.73	8.55	14.63	0.00645	0.00330	0.00564	PASS
Extreme (-30°C)		8.95	6.95	9.61	0.00345	0.00268	0.00371	PASS
25°C	LV	5.58	12.03	3.24	0.00215	0.00464	0.00125	PASS
	HV	7.81	11.99	9.93	0.00301	0.00462	0.00383	PASS
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	15MHz							
Temperature	Voltage	64QAM	16QAM	QPSK	64QAM	16QAM	QPSK	
Normal (25°C)	Normal	12.35	6.43	10.11	0.00476	0.00248	0.00390	PASS
Extreme (50°C)		7.55	5.43	7.59	0.00291	0.00210	0.00293	PASS
Extreme (40°C)		12.14	5.11	11.66	0.00468	0.00197	0.00450	PASS
Extreme (30°C)		4.09	7.14	17.47	0.00158	0.00275	0.00674	PASS
Extreme (20°C)		11.22	1.12	14.35	0.00433	0.00043	0.00553	PASS
Extreme (10°C)		12.89	13.16	2.65	0.00497	0.00508	0.00102	PASS
Extreme (0°C)		3.92	7.78	4.79	0.00151	0.00300	0.00185	PASS
Extreme (-10°C)		5.53	8.92	16.07	0.00213	0.00344	0.00620	PASS
Extreme (-20°C)		1.21	12.46	13.69	0.00047	0.00480	0.00528	PASS
Extreme (-30°C)		17.19	4.35	13.40	0.00663	0.00168	0.00517	PASS
25°C		LV	6.52	16.60	13.25	0.00251	0.00640	0.00511
	HV	13.89	17.74	13.86	0.00536	0.00684	0.00535	PASS
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	20MHz							
Temperature	Voltage	64QAM	16QAM	QPSK	64QAM	16QAM	QPSK	
Normal (25°C)	Normal	10.72	8.13	5.78	0.00413	0.00314	0.00223	PASS
Extreme (50°C)		4.17	1.99	1.17	0.00161	0.00077	0.00045	PASS
Extreme (40°C)		15.20	7.14	12.15	0.00586	0.00275	0.00468	PASS
Extreme (30°C)		8.60	14.93	17.53	0.00332	0.00576	0.00676	PASS
Extreme (20°C)		10.06	10.25	17.52	0.00388	0.00395	0.00676	PASS
Extreme (10°C)		1.09	8.07	13.76	0.00042	0.00311	0.00531	PASS
Extreme (0°C)		2.00	2.42	11.22	0.00077	0.00093	0.00433	PASS
Extreme (-10°C)		6.58	13.17	14.56	0.00254	0.00508	0.00561	PASS
Extreme (-20°C)		8.43	15.94	4.51	0.00325	0.00615	0.00174	PASS
Extreme (-30°C)		4.81	12.24	3.02	0.00186	0.00472	0.00117	PASS
25°C		LV	1.86	17.26	17.57	0.00072	0.00665	0.00678
	HV	17.11	2.18	5.81	0.00660	0.00084	0.00224	PASS

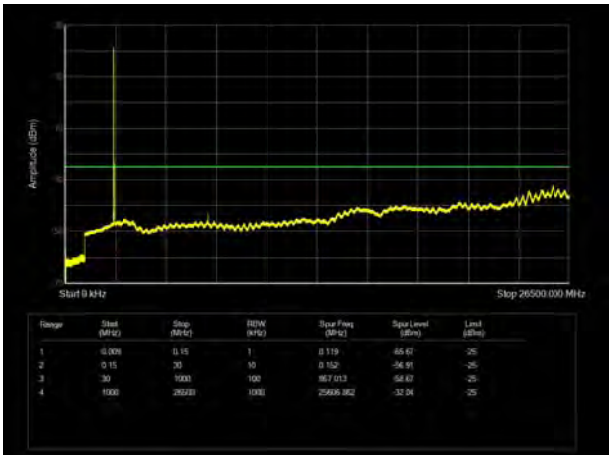
6.6 Spurious Emissions at Antenna Terminals

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.

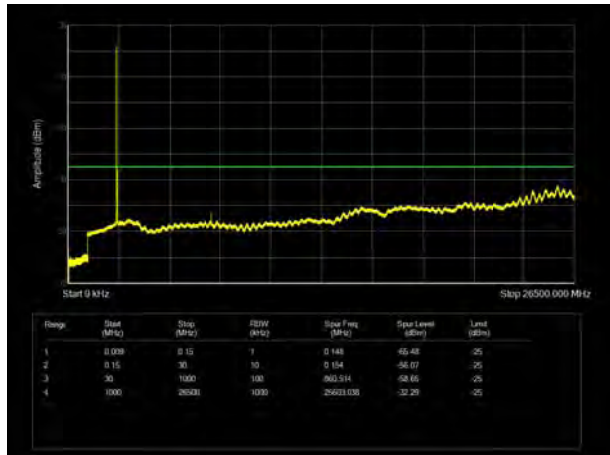
The signal beyond the limit is carrier.



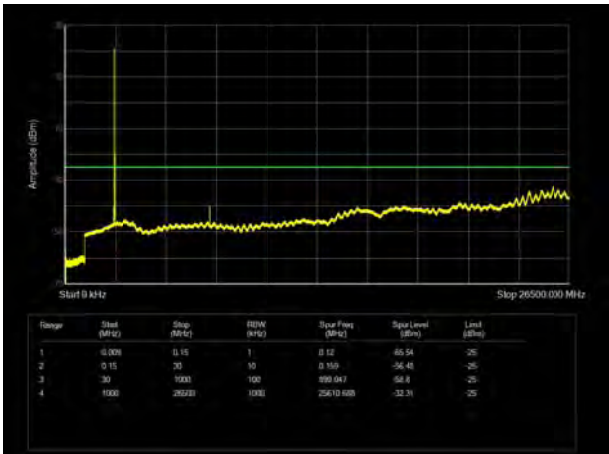
LTE Band 7 15MHz CH- Low 9kHz~26.5GHz



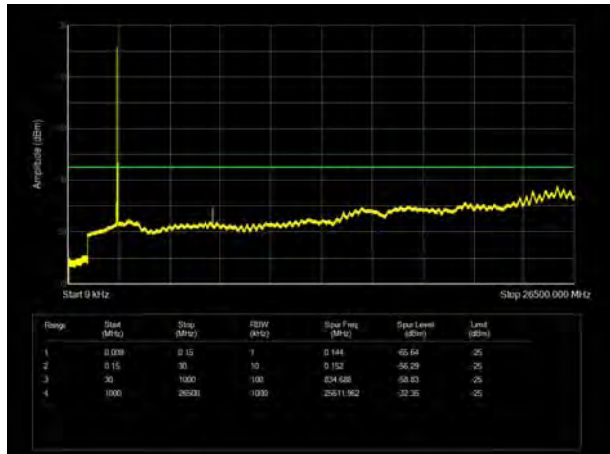
LTE Band 7 20MHz CH-Low 9kHz~26.5GHz



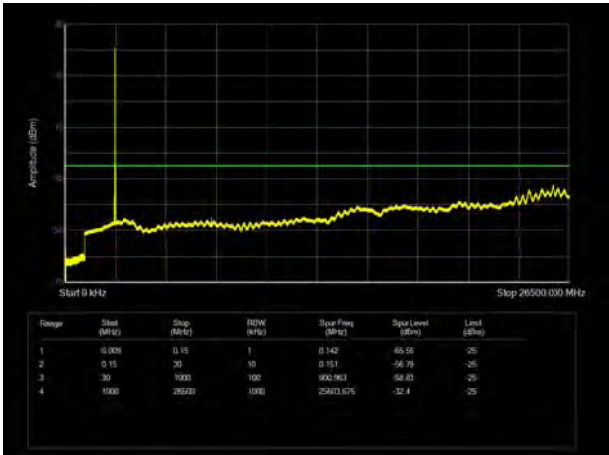
LTE Band 7 15MHz CH- Middle 9kHz~26.5GHz



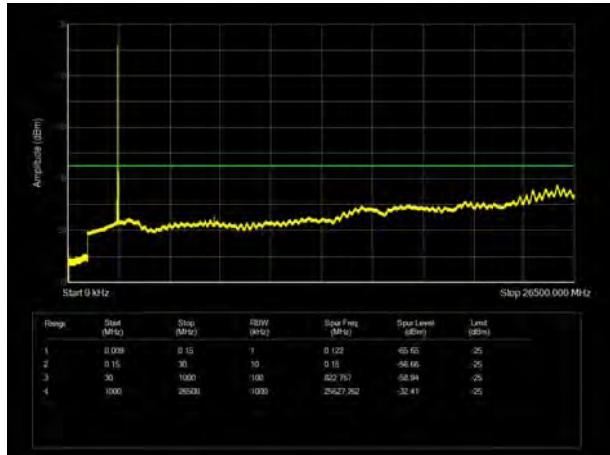
LTE Band 7 20MHz CH- Middle 9kHz~26.5GHz



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

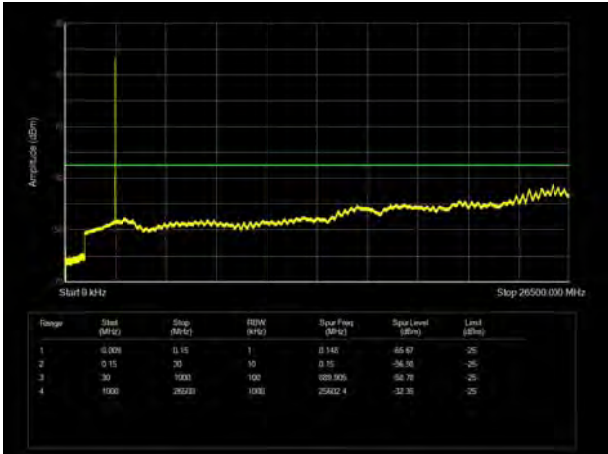


LTE Band 7 20MHz CH- High 9kHz~26.5GHz

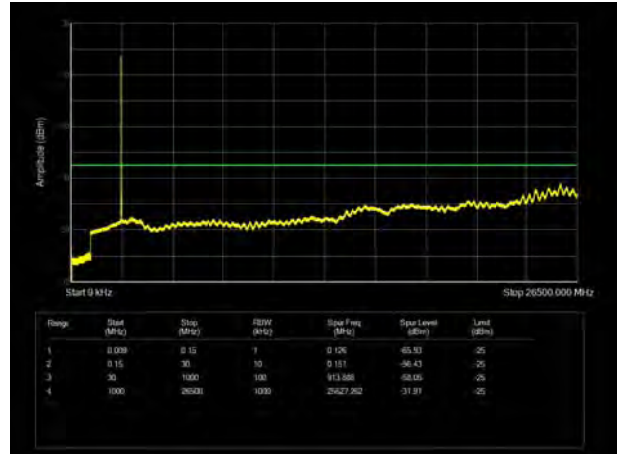




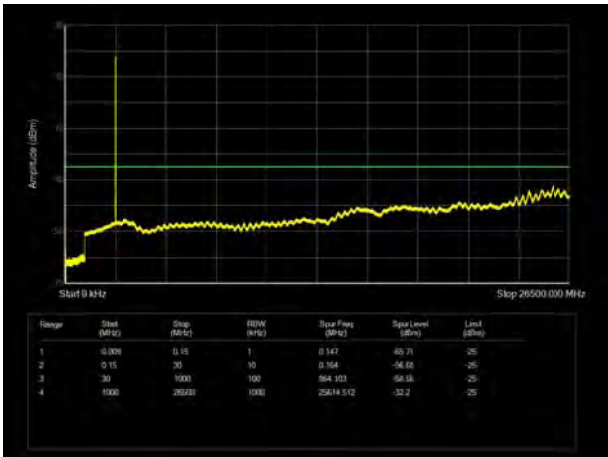
LTE Band 38 5MHz CH- Low 9kHz~26.5GHz



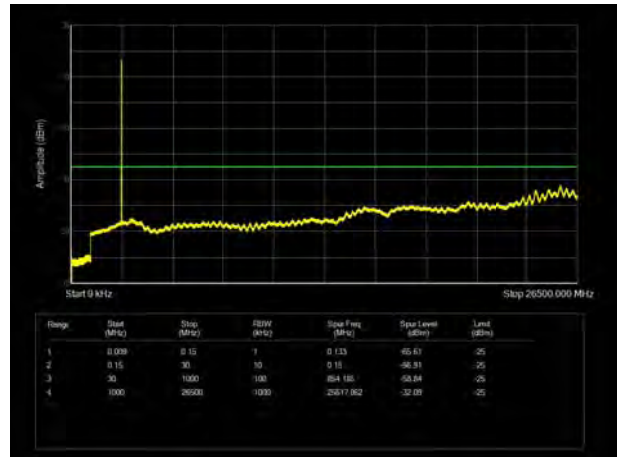
LTE Band 38 10MHz CH- Low 9kHz~26.5GHz



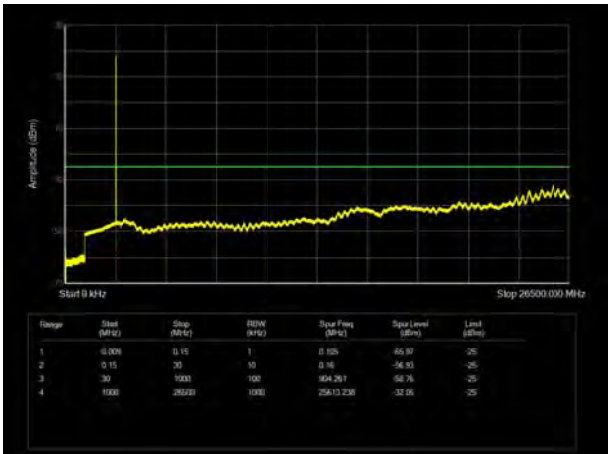
LTE Band 38 5MHz CH- Middle 9kHz~26.5GHz



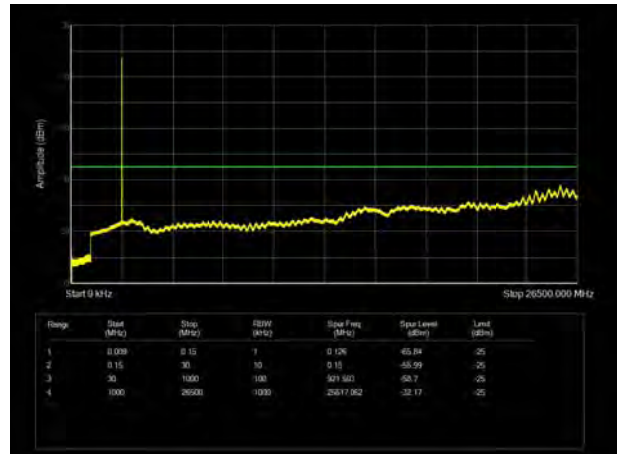
LTE Band 38 10MHz CH- Middle 9kHz~26.5GHz



LTE Band 38 5MHz CH-High 9kHz~26.5GHz

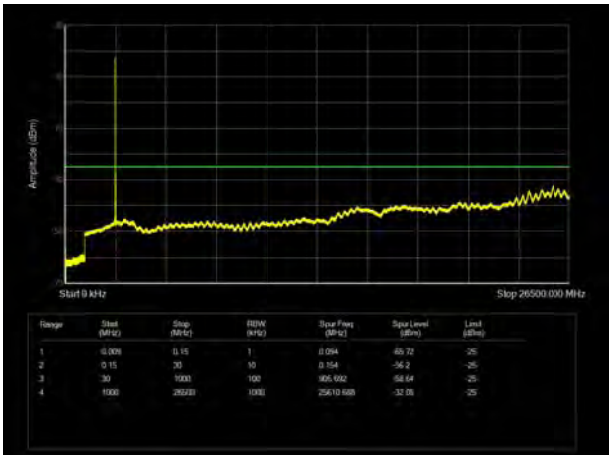


LTE Band 38 10MHz CH-High 9kHz~26.5GHz

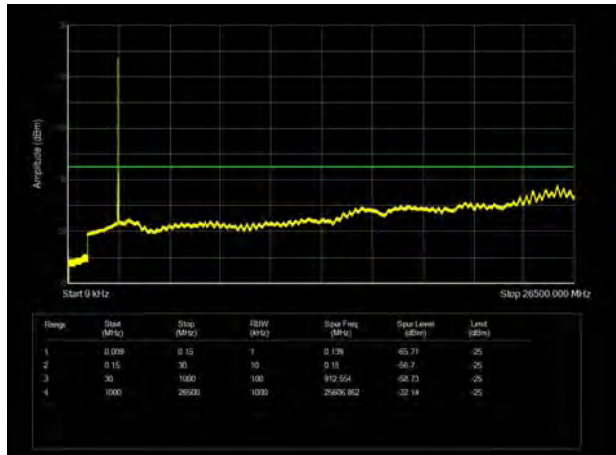




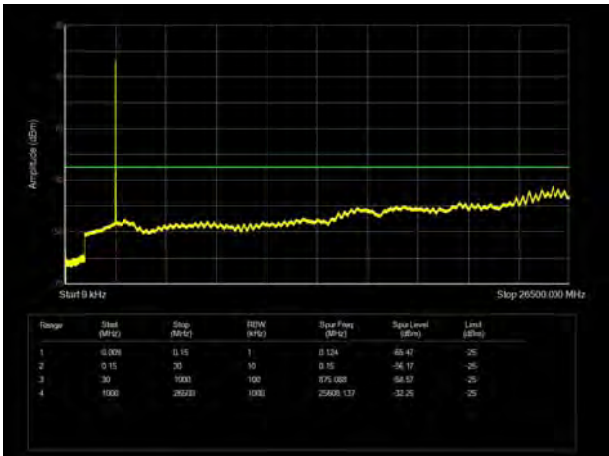
LTE Band 38 15MHz CH- Low 9kHz~26.5GHz



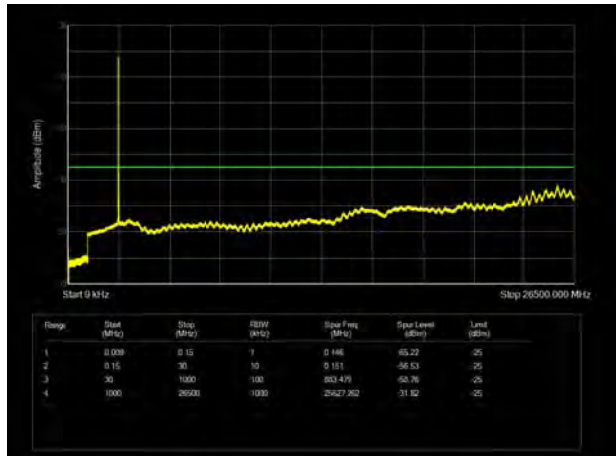
LTE Band 38 20MHz CH-Low 9kHz~26.5GHz



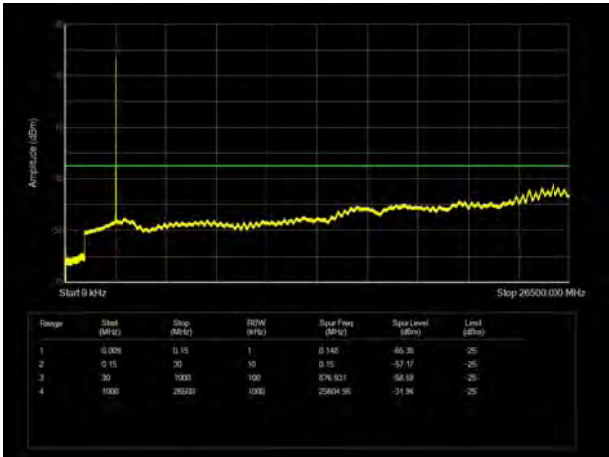
LTE Band 38 15MHz CH- Middle 9kHz~26.5GHz



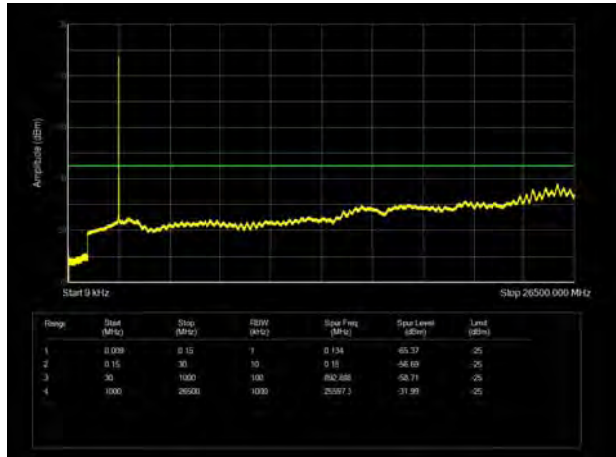
LTE Band 38 20MHz CH- Middle 9kHz~26.5GHz



LTE Band 38 15MHz CH-High 9kHz~26.5GHz

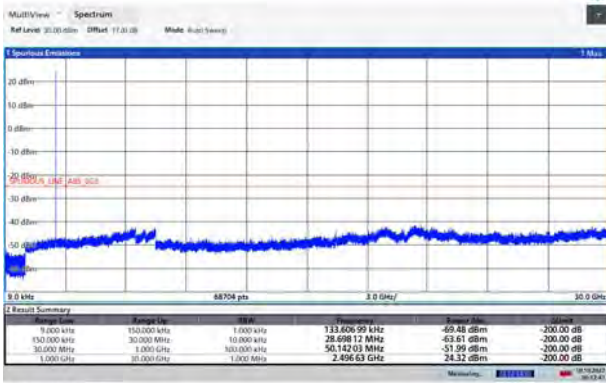


LTE Band 38 20MHz CH- High 9kHz~26.5GHz





LTE Band 41 5MHz CH- Low 9kHz~30GHz



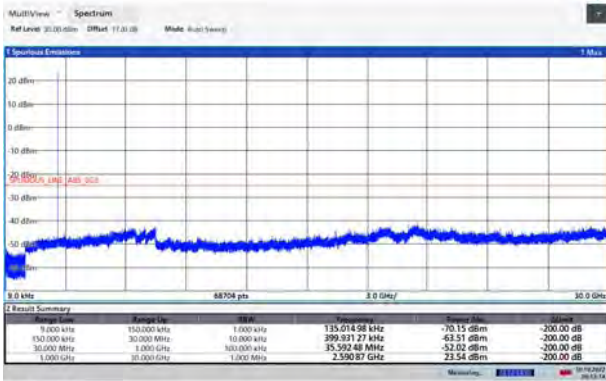
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LTE Band 41 10MHz CH-Low 9kHz~30GHz



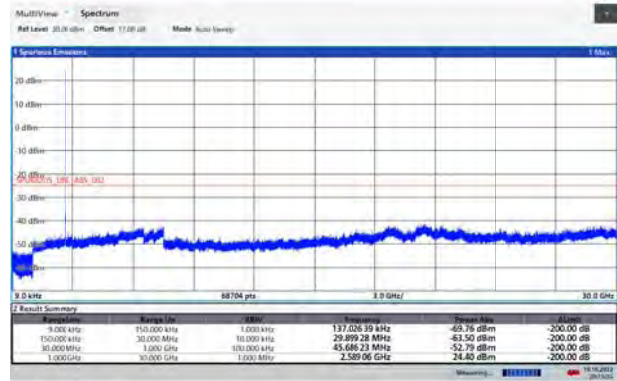
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LTE Band 41 5MHz CH- Middle 9kHz~30GHz



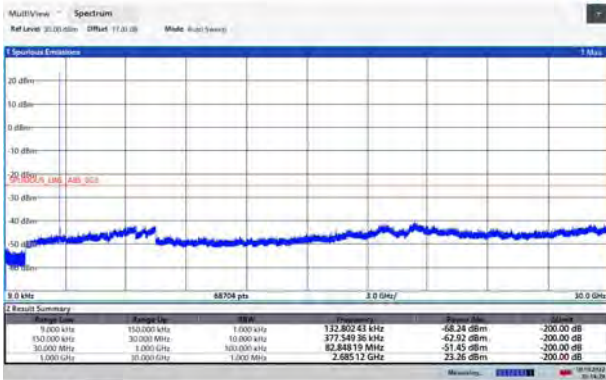
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LTE Band 41 10MHz CH- Middle 9kHz~30GHz



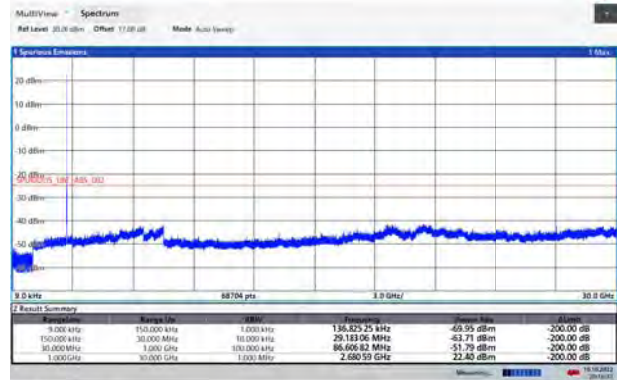
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LTE Band 41 5MHz CH-High 9kHz~30GHz



20:14:29 10-10-2022

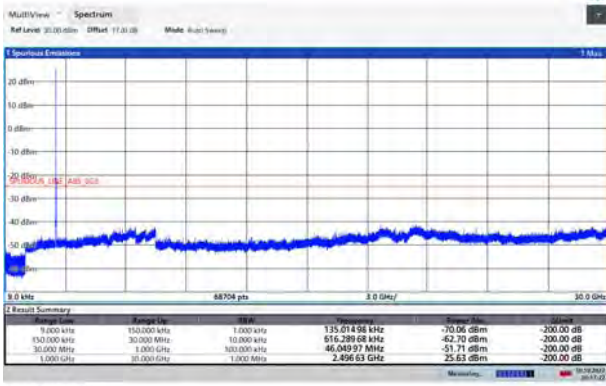
LTE Band 41 10MHz CH- High 9kHz~30GHz



20:14:30 11-10-2022

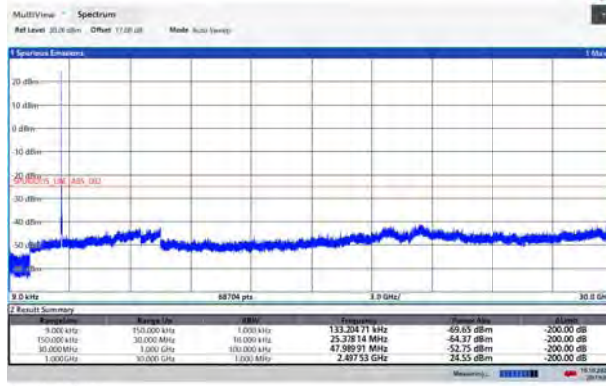


LTE Band 41 15MHz CH- Low 9kHz~30GHz



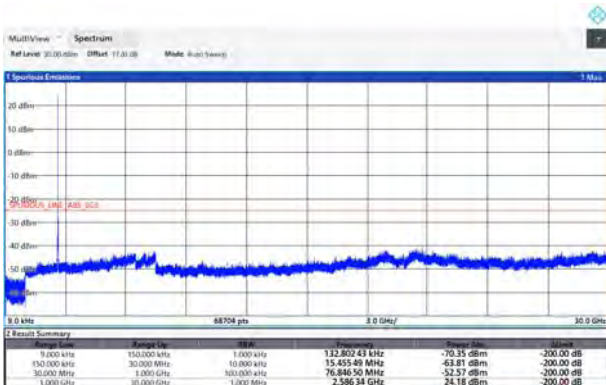
20/17/22 10:10:2022

LTE Band 41 20MHz CH-Low 9kHz~30GHz



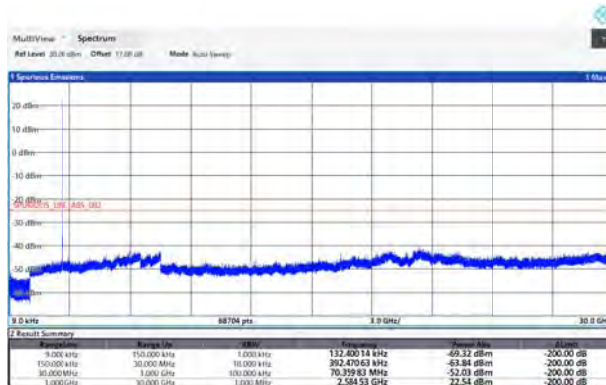
20/19/09 11:10:2022

LTE Band 41 15MHz CH- Middle 9kHz~30GHz



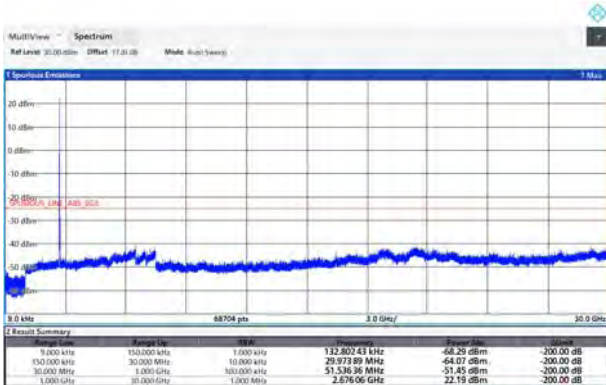
20/17/19 10:10:2022

LTE Band 41 20MHz CH- Middle 9kHz~30GHz



20/21/02 11:10:2022

LTE Band 41 15MHz CH-High 9kHz~30GHz



20/18/24 10:10:2022

LTE Band 41 20MHz CH- High 9kHz~30GHz



20/21/16 11:10:2022



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.

Upper Antenna

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	5070.00	-63.72	3.40	12.50	Vertical	-54.62	-25.00	29.62	93
3	7605.00	-51.63	4.40	12.20	Vertical	-43.83	-25.00	18.83	46
4	10140.00	-49.81	4.70	11.30	Vertical	-43.21	-25.00	18.21	180
5	12675.00	-52.26	5.40	13.20	Vertical	-44.46	-25.00	19.46	312
6	15210.00	-49.83	6.10	13.10	Vertical	-42.83	-25.00	17.83	190
7	17745.00	-51.68	6.10	14.20	Vertical	-43.58	-25.00	18.58	25
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	5050.00	-62.75	3.40	12.50	Vertical	-53.65	-25.00	28.65	115
3	7575.00	-48.41	4.40	12.20	Vertical	-40.61	-25.00	15.61	167
4	10100.00	-48.46	4.70	11.30	Vertical	-41.86	-25.00	16.86	53
5	12625.00	-51.86	5.40	13.20	Vertical	-44.06	-25.00	19.06	94
6	15150.00	-51.18	6.10	13.10	Vertical	-44.18	-25.00	19.18	267
7	17675.00	-51.21	6.10	14.20	Vertical	-43.11	-25.00	18.11	309
8	20200.00	--	--	--	--	--	--	--	--
9	22725.00	--	--	--	--	--	--	--	--
10	25250.00	--	--	--	--	--	--	--	--

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 38 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	5185.00	-62.36	3.20	12.50	Vertical	-53.06	-25.00	28.06	19
3	7777.50	-59.44	4.40	12.30	Vertical	-51.54	-25.00	26.54	234
4	10370.00	-52.69	4.70	11.80	Vertical	-45.59	-25.00	20.59	75
5	12962.50	-52.07	5.40	14.00	Vertical	-43.47	-25.00	18.47	36
6	15555.00	-49.61	6.10	16.80	Vertical	-38.91	-25.00	13.91	180
7	18147.50	--	--	--	--	--	--	--	--
8	20740.00	--	--	--	--	--	--	--	--
9	23332.50	--	--	--	--	--	--	--	--
10	25925.00	--	--	--	--	--	--	--	--

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 38 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	5170.00	-63.45	3.20	12.50	Vertical	-54.15	-25.00	29.15	270
3	7755.00	-56.81	4.40	12.30	Vertical	-48.91	-25.00	23.91	86
4	10340.00	-48.86	4.70	11.80	Vertical	-41.76	-25.00	16.76	4
5	12925.00	-53.19	5.40	14.00	Vertical	-44.59	-25.00	19.59	31
6	15510.00	-50.59	6.10	16.80	Vertical	-39.89	-25.00	14.89	139
7	18095.00	--	--	--	--	--	--	--	--
8	20680.00	--	--	--	--	--	--	--	--
9	23265.00	--	--	--	--	--	--	--	--
10	25850.00	--	--	--	--	--	--	--	--

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 41 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	5181.00	-64.69	3.20	12.50	Vertical	-55.39	-25.00	30.39	190
3	7771.50	-60.03	4.40	12.30	Vertical	-52.13	-25.00	27.13	266
4	10362.00	-46.72	4.70	11.80	Vertical	-39.62	-25.00	14.62	249
5	13952.50	-49.99	5.40	14.00	Vertical	-41.39	-25.00	16.39	38
6	15543.00	-53.04	6.10	16.80	Vertical	-42.34	-25.00	17.34	69
7	18133.50	--	--	--	--	--	--	--	--
8	20653.20	--	--	--	--	--	--	--	--
9	23234.85	--	--	--	--	--	--	--	--
10	25816.50	--	--	--	--	--	--	--	--

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 41 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	5166.00	-64.45	3.20	12.50	Vertical	-55.15	-25.00	30.15	45
3	7749.00	-59.37	4.40	12.30	Vertical	-51.47	-25.00	26.47	139
4	10332.00	-48.04	4.70	11.80	Vertical	-40.94	-25.00	15.94	76
5	12915.00	-52.14	5.40	14.00	Vertical	-43.54	-25.00	18.54	94
6	15498.00	-54.91	6.10	16.80	Vertical	-44.21	-25.00	19.21	280
7	18023.60	--	--	--	--	--	--	--	--
8	20598.40	--	--	--	--	--	--	--	--
9	23173.20	--	--	--	--	--	--	--	--
10	25748.00	--	--	--	--	--	--	--	--

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.



Low Antenna

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	5070.00	-62.81	3.40	12.50	Vertical	-53.71	-25.00	28.71	333
3	7605.00	-48.48	4.40	12.20	Vertical	-40.68	-25.00	15.68	95
4	10140.00	-47.85	4.70	11.30	Vertical	-41.25	-25.00	16.25	278
5	12675.00	-53.68	5.40	13.20	Vertical	-45.88	-25.00	20.88	44
6	15210.00	-45.50	6.10	13.10	Vertical	-38.50	-25.00	13.50	315
7	17745.00	-50.82	6.10	14.20	Vertical	-42.72	-25.00	17.72	180
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	5050.00	-64.65	3.40	12.50	Vertical	-55.55	-25.00	30.55	18
3	7575.00	-49.21	4.40	12.20	Vertical	-41.41	-25.00	16.41	315
4	10100.00	-47.29	4.70	11.30	Vertical	-40.69	-25.00	15.69	22
5	12625.00	-53.08	5.40	13.20	Vertical	-45.28	-25.00	20.28	195
6	15150.00	-52.57	6.10	13.10	Vertical	-45.57	-25.00	20.57	265
7	17675.00	-52.17	6.10	14.20	Vertical	-44.07	-25.00	19.07	33
8	20200.00	--	--	--	--	--	--	--	--
9	22725.00	--	--	--	--	--	--	--	--
10	25250.00	--	--	--	--	--	--	--	--

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 38 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	5185.00	-64.74	3.20	12.50	Vertical	-55.44	-25.00	30.44	245
3	7777.50	-59.38	4.40	12.30	Vertical	-51.48	-25.00	26.48	108
4	10370.00	-53.41	4.70	11.80	Vertical	-46.31	-25.00	21.31	311
5	12962.50	-54.51	5.40	14.00	Vertical	-45.91	-25.00	20.91	123
6	15555.00	-55.67	6.10	16.80	Vertical	-44.97	-25.00	19.97	180
7	18147.50	--	--	--	--	--	--	--	--
8	20740.00	--	--	--	--	--	--	--	--
9	23332.50	--	--	--	--	--	--	--	--
10	25925.00	--	--	--	--	--	--	--	--

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 38 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	5170.00	-64.11	3.20	12.50	Vertical	-54.81	-25.00	29.81	214
3	7755.00	-60.46	4.40	12.30	Vertical	-52.56	-25.00	27.56	135
4	10340.00	-49.56	4.70	11.80	Vertical	-42.46	-25.00	17.46	275
5	12925.00	-53.56	5.40	14.00	Vertical	-44.96	-25.00	19.96	54
6	15510.00	-56.49	6.10	16.80	Vertical	-45.79	-25.00	20.79	123
7	18095.00	--	--	--	--	--	--	--	--
8	20680.00	--	--	--	--	--	--	--	--
9	23265.00	--	--	--	--	--	--	--	--
10	25850.00	--	--	--	--	--	--	--	--

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 41 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	5181.00	-64.03	3.20	12.50	Vertical	-54.73	-25.00	29.73	115
3	7771.50	-59.84	4.40	12.30	Vertical	-51.94	-25.00	26.94	240
4	10362.00	-50.58	4.70	11.80	Vertical	-43.48	-25.00	18.48	112
5	13952.50	-50.96	5.40	14.00	Vertical	-42.36	-25.00	17.36	312
6	15543.00	-55.03	6.10	16.80	Vertical	-44.33	-25.00	19.33	180
7	18133.50	--	--	--	--	--	--	--	--
8	20653.20	--	--	--	--	--	--	--	--
9	23234.85	--	--	--	--	--	--	--	--
10	25816.50	--	--	--	--	--	--	--	--

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 41 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	5166.00	-64.31	3.20	12.50	Vertical	-55.01	-25.00	30.01	189
3	7749.00	-60.61	4.40	12.30	Vertical	-52.71	-25.00	27.71	166
4	10332.00	-50.45	4.70	11.80	Vertical	-43.35	-25.00	18.35	335
5	12915.00	-53.43	5.40	14.00	Vertical	-44.83	-25.00	19.83	215
6	15498.00	-56.25	6.10	16.80	Vertical	-45.55	-25.00	20.55	180
7	18023.60	--	--	--	--	--	--	--	--
8	20598.40	--	--	--	--	--	--	--	--
9	23173.20	--	--	--	--	--	--	--	--
10	25748.00	--	--	--	--	--	--	--	--

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
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
Signal Analyzer	R&S	FSV3030	101411	2021-12-12	2022-12-11
Universal Radio Communication Tester	Key sight	E5515C	GB44400275	2021-12-12	2022-12-11
Climatic Chamber	ESPEC	SU-242	93000506	2021-12-12	2022-12-11
TRILOG Broadband Antenna	SCHWARZBECK	VULB 9163	1023	2020-05-05	2023-05-04
Spectrum Analyzer	R&S	FSV30	104028	2021-12-12	2022-12-11
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
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.



ANNEX C: Product Change Description

The Product Change Description are submitted separately.