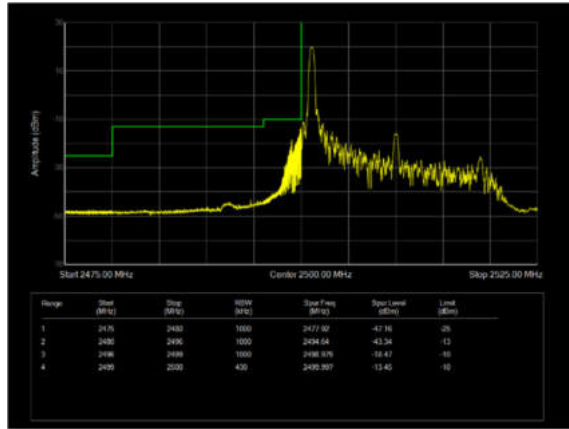
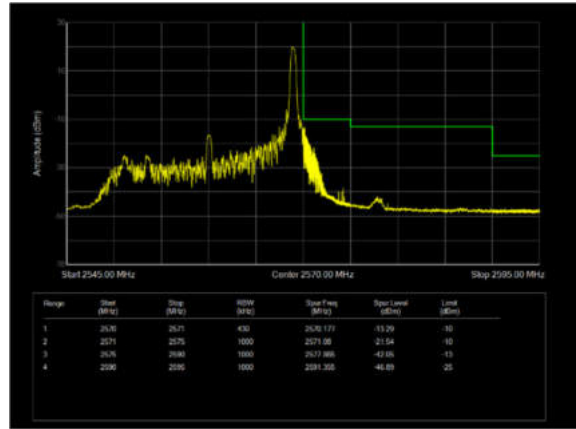


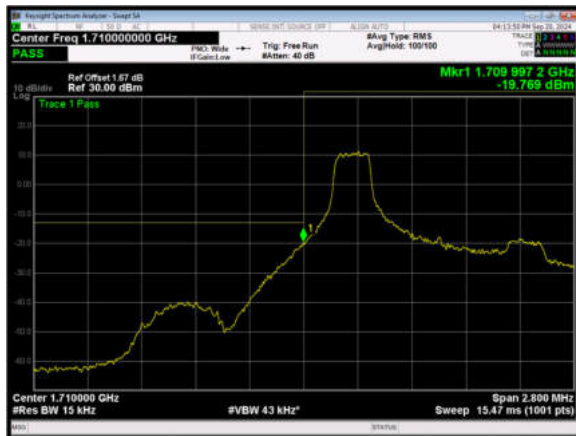
LTE Band 7 16QAM 20MHz CH-Low, 1 RB



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



LTE Band 66 QPSK 1.4MHz CH-Low, 1 RB



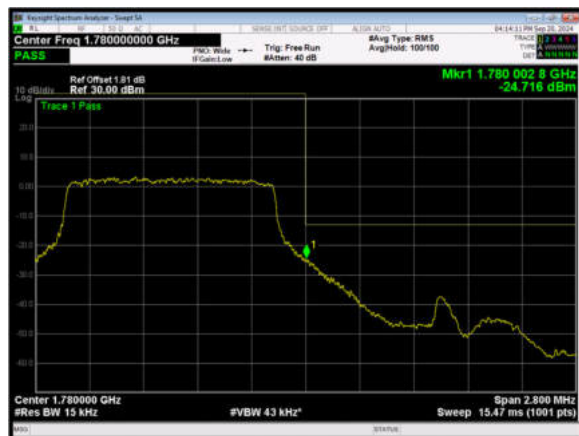
LTE Band 66 QPSK 1.4MHz CH-High, 1 RB



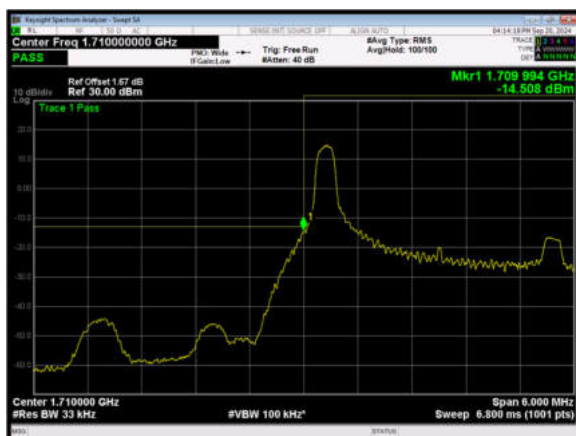
LTE Band 66 QPSK 1.4MHz CH-Low, 100%RB



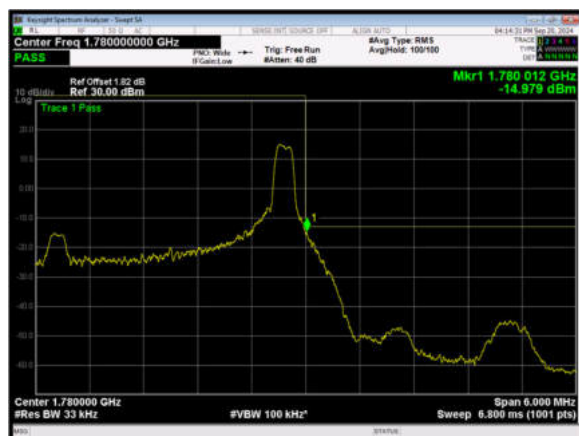
LTE Band 66 QPSK 1.4MHz CH-High, 100%RB



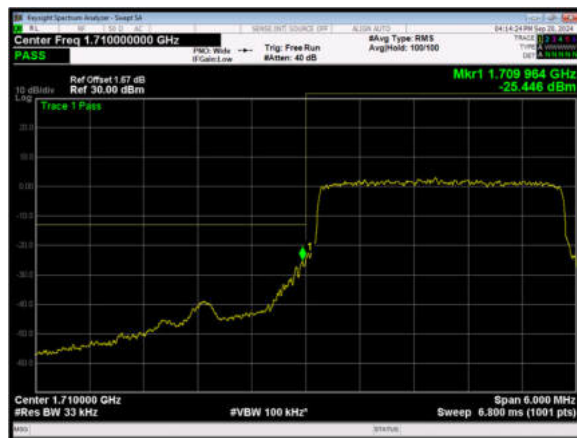
LTE Band 66 QPSK 3MHz CH-Low, 1 RB



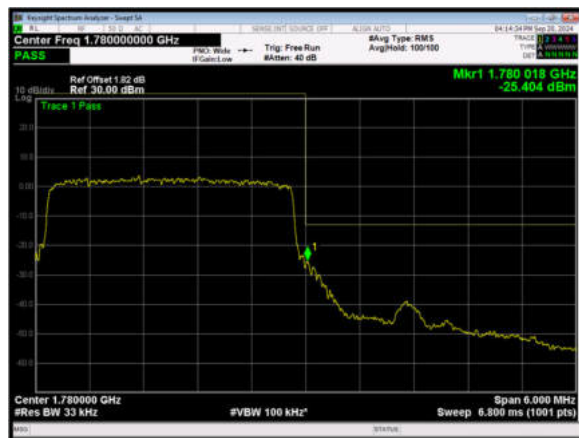
LTE Band 66 QPSK 3MHz CH-High, 1 RB



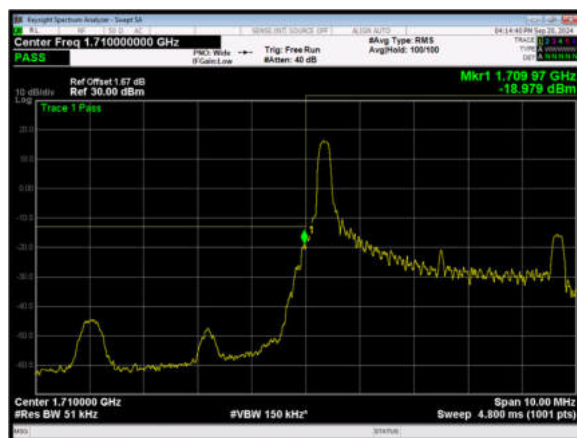
LTE Band 66 QPSK 3MHz CH-Low, 100%RB



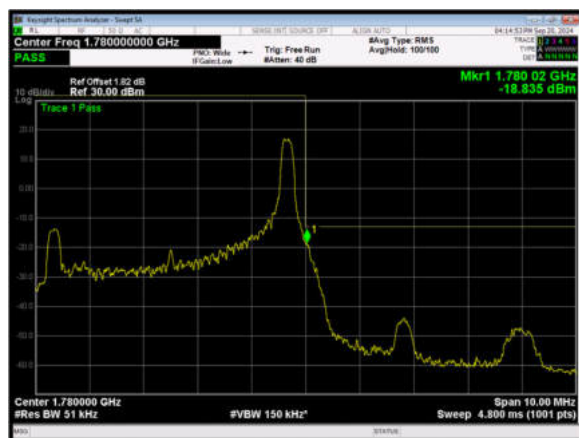
LTE Band 66 QPSK 3MHz CH-High, 100%RB



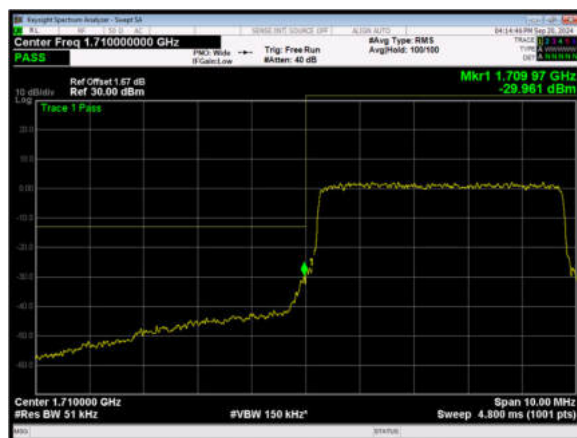
LTE Band 66 QPSK 5MHz CH-Low, 1 RB



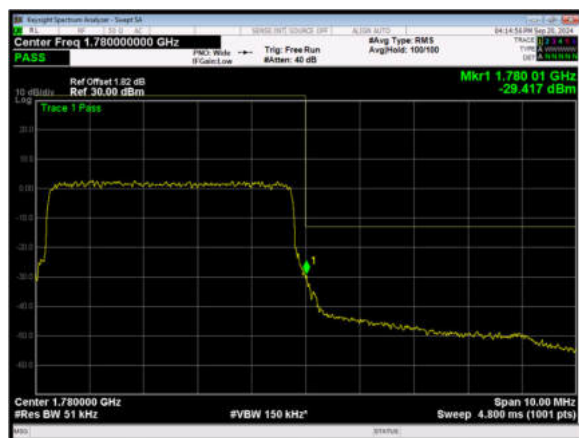
LTE Band 66 QPSK 5MHz CH-High, 1 RB



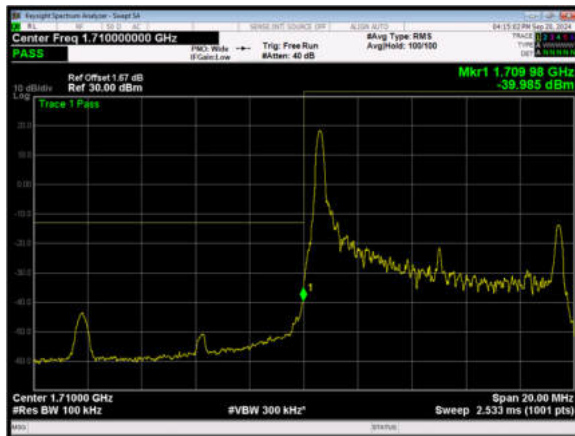
LTE Band 66 QPSK 5MHz CH-Low, 100%RB



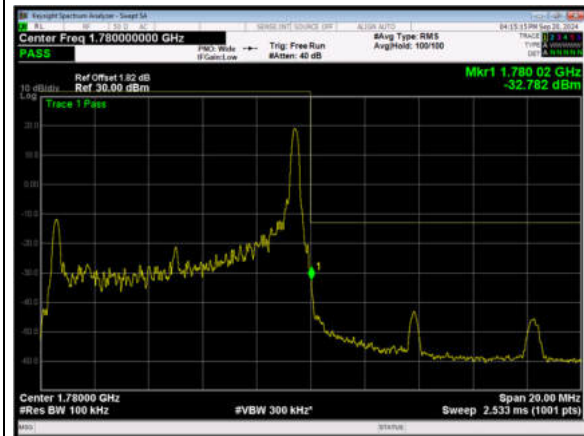
LTE Band 66 QPSK 5MHz CH-High, 100%RB



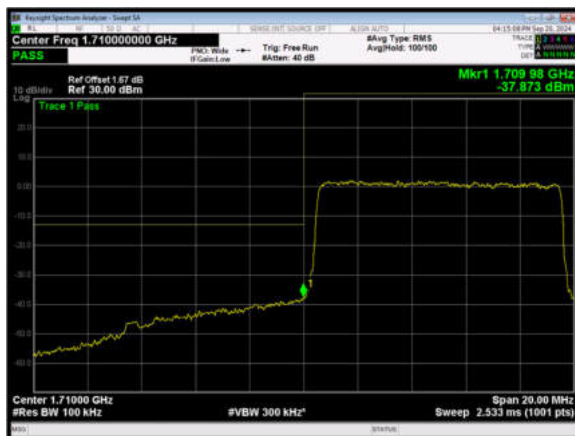
LTE Band 66 QPSK 10MHz CH-Low, 1 RB



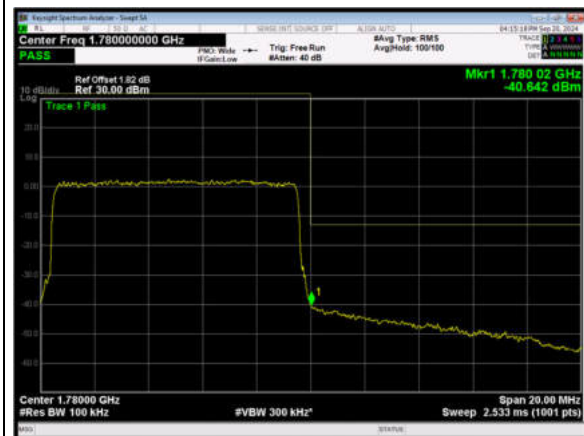
LTE Band 66 QPSK 10MHz CH-High, 1 RB



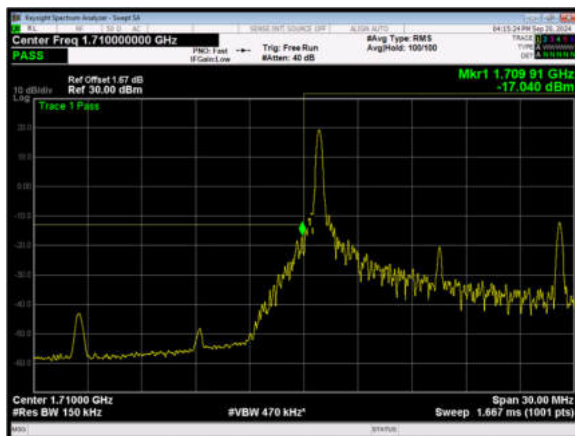
LTE Band 66 QPSK 10MHz CH-Low, 100%RB



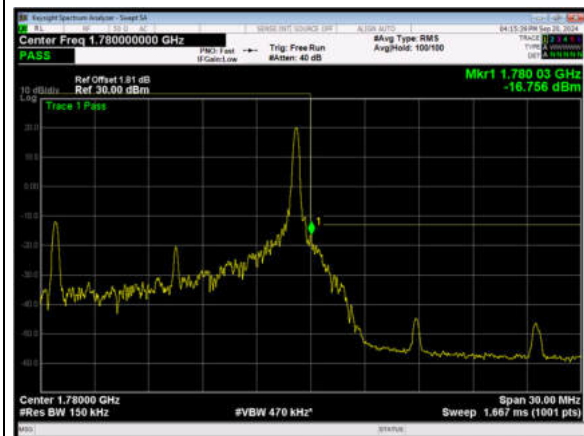
LTE Band 66 QPSK 10MHz CH-High, 100%RB



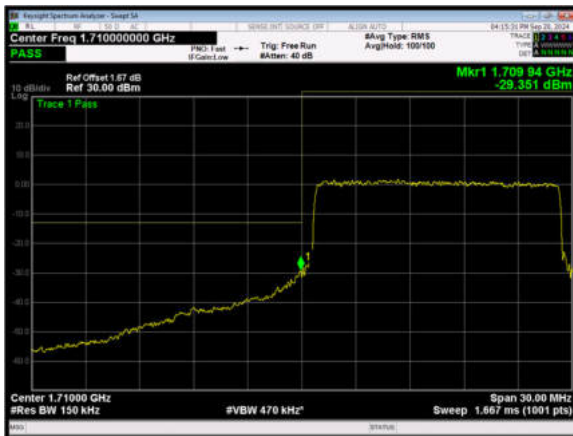
LTE Band 66 QPSK 15MHz CH-Low, 1 RB



LTE Band 66 QPSK 15MHz CH-High, 1 RB



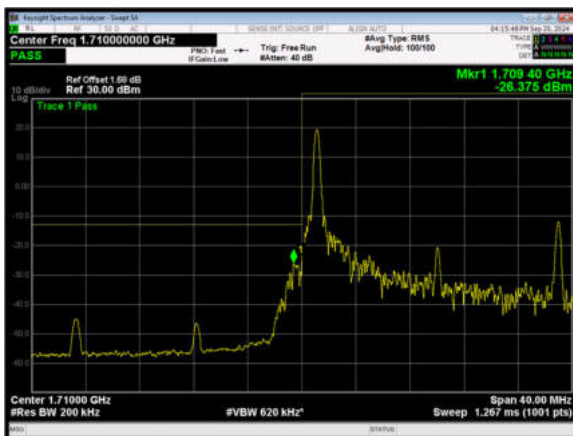
LTE Band 66 QPSK 15MHz CH-Low, 100%RB



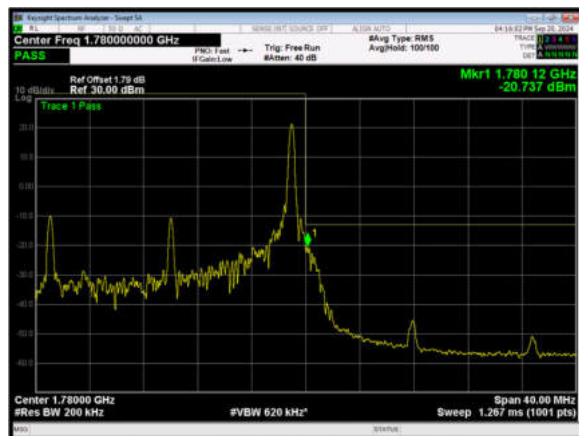
LTE Band 66 QPSK 15MHz CH-High, 100%RB



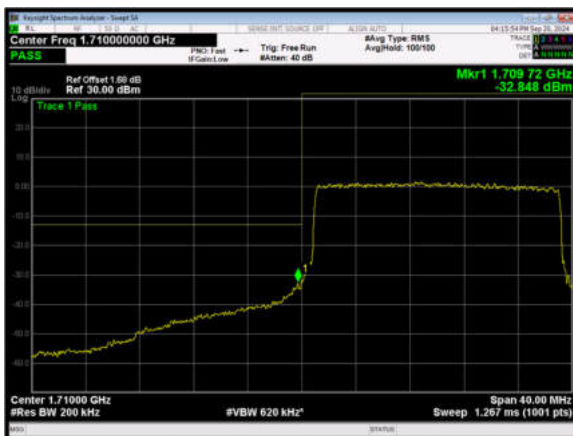
LTE Band 66 QPSK 20MHz CH-Low, 1 RB



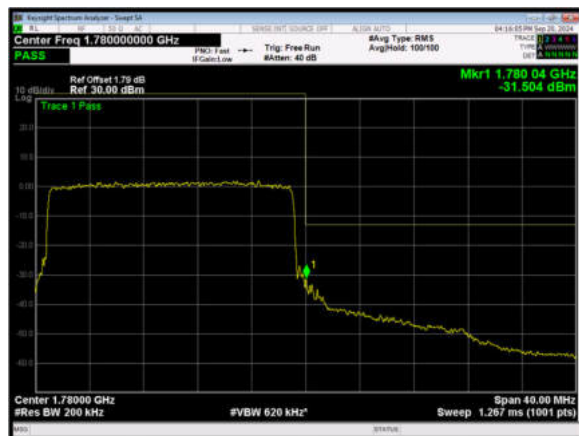
LTE Band 66 QPSK 20MHz CH-High, 1 RB



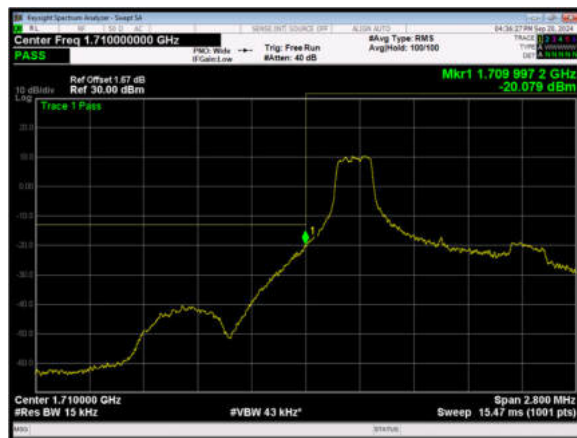
LTE Band 66 QPSK 20MHz CH-Low, 100%RB



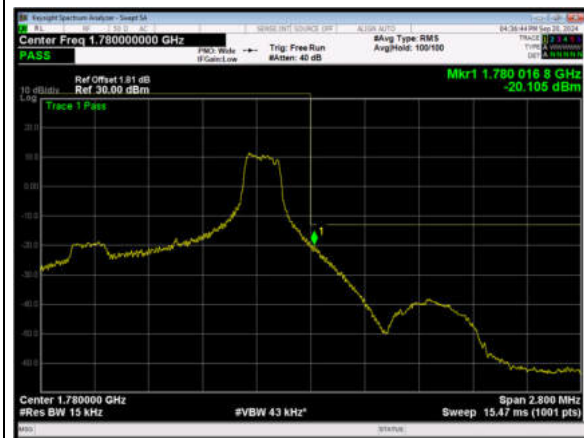
LTE Band 66 QPSK 20MHz CH-High, 100%RB



LTE Band 66 16QAM 1.4MHz CH-Low, 1 RB



LTE Band 66 16QAM 1.4MHz CH-High, 1 RB



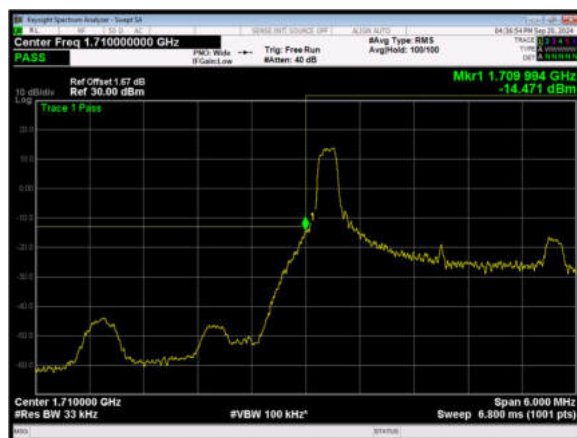
LTE Band 66 16QAM 1.4MHz CH-Low, 100%RB



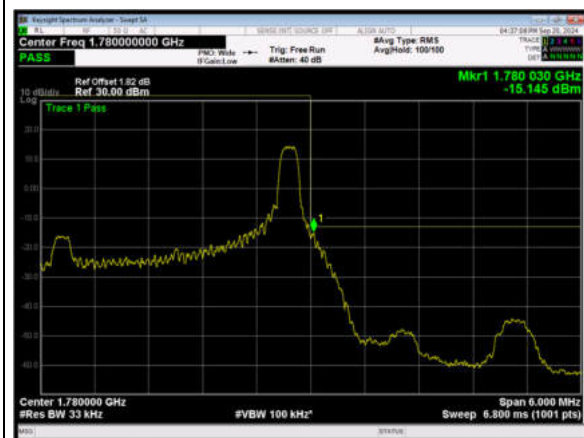
LTE Band 66 16QAM 1.4MHz CH-High, 100%RB



LTE Band 66 16QAM 3MHz CH-Low, 1 RB



LTE Band 66 16QAM 3MHz CH-High, 1 RB



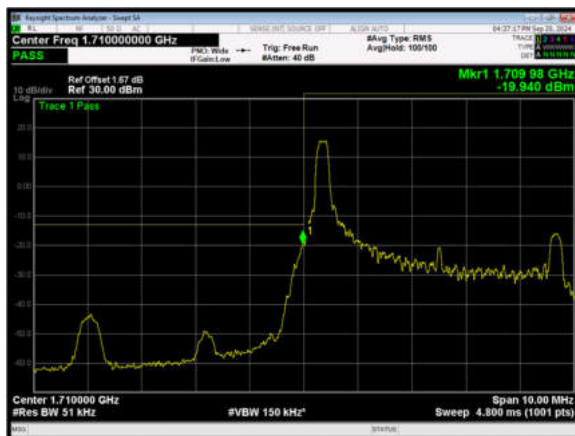
LTE Band 66 16QAM 3MHz CH-Low, 100%RB



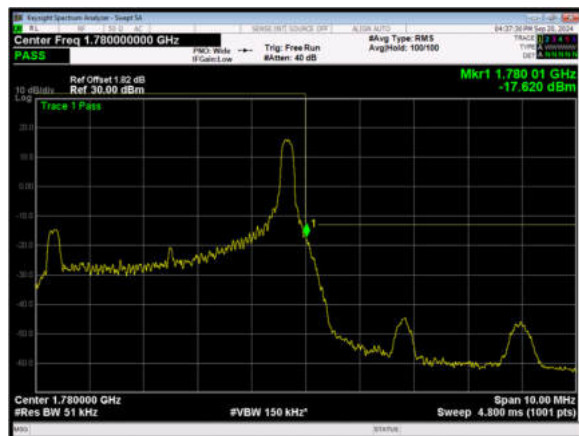
LTE Band 66 16QAM 3MHz CH-High, 100%RB



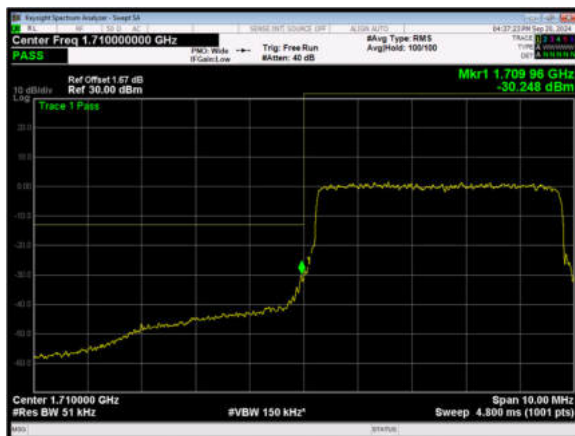
LTE Band 66 16QAM 5MHz CH-Low, 1 RB



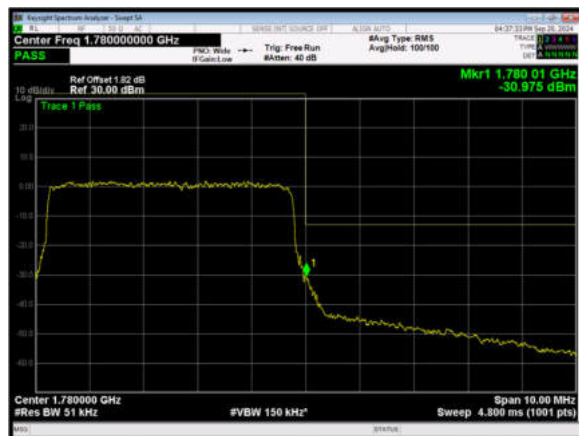
LTE Band 66 16QAM 5MHz CH-High, 1 RB



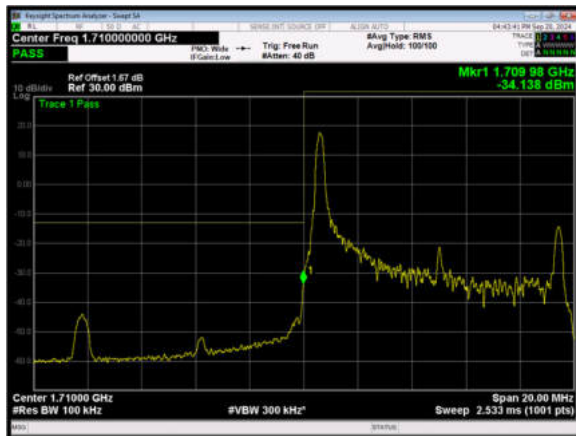
LTE Band 66 16QAM 5MHz CH-Low, 100%RB



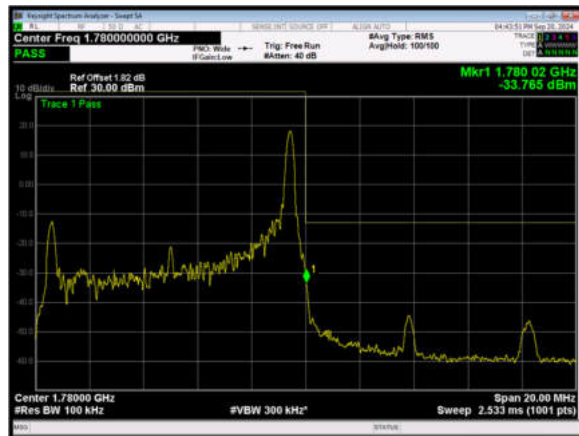
LTE Band 66 16QAM 5MHz CH-High, 100%RB



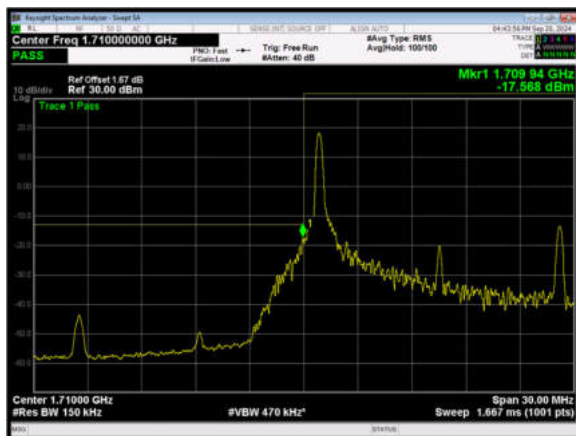
LTE Band 66 16QAM 10MHz CH-Low, 1 RB



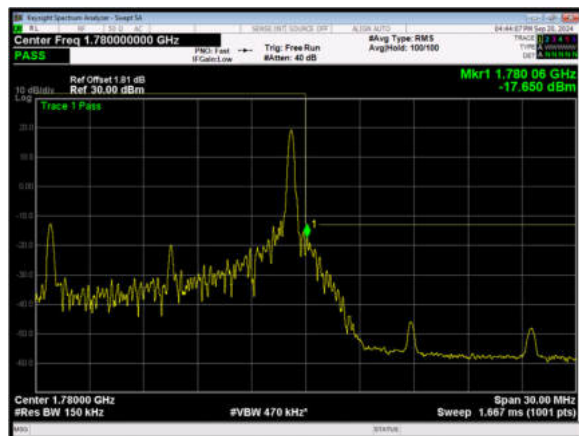
LTE Band 66 16QAM 10MHz CH-High, 1 RB



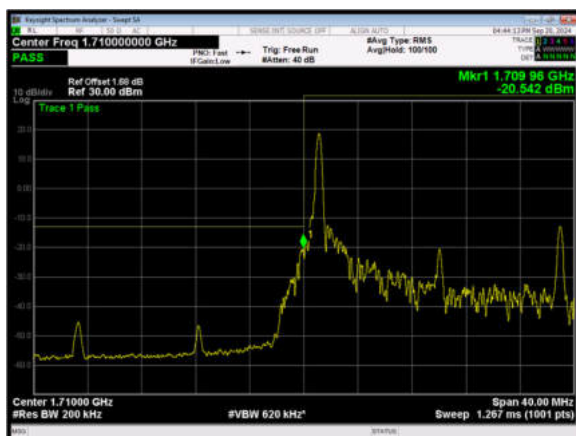
LTE Band 66 16QAM 15MHz CH-Low, 1 RB



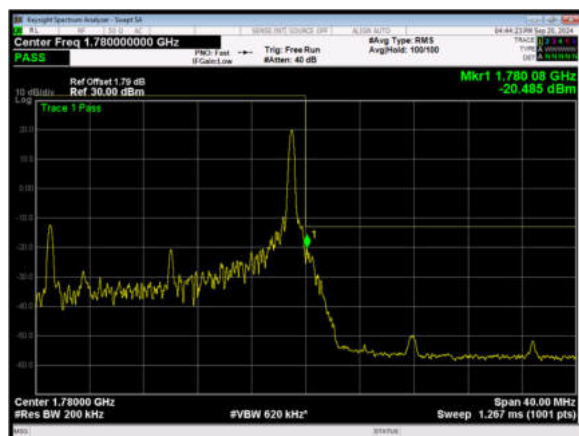
LTE Band 66 16QAM 15MHz CH-High, 1 RB



LTE Band 66 16QAM 20MHz CH-Low, 1 RB



LTE Band 66 16QAM 20MHz CH-High, 1 RB



6.4 Peak-to-Average Power Ratio (PAPR)

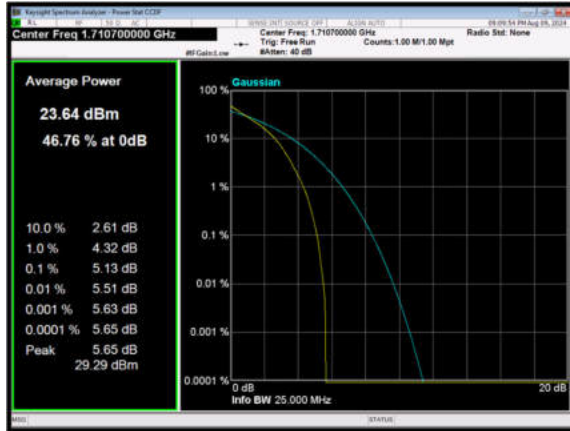
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	High Limit (dB)	Verdict
LTE Band4	1.4	19957	6	#0	QPSK	5.13	13	PASS
LTE Band4	1.4	20175	6	#0	QPSK	5.72	13	PASS
LTE Band4	1.4	20393	6	#0	QPSK	5.64	13	PASS
LTE Band4	3	19965	15	#0	QPSK	5.08	13	PASS
LTE Band4	3	20175	15	#0	QPSK	5.64	13	PASS
LTE Band4	3	20385	15	#0	QPSK	5.65	13	PASS
LTE Band4	5	19975	25	#0	QPSK	5.20	13	PASS
LTE Band4	5	20175	25	#0	QPSK	5.82	13	PASS
LTE Band4	5	20375	25	#0	QPSK	5.84	13	PASS
LTE Band4	10	20000	50	#0	QPSK	5.39	13	PASS
LTE Band4	10	20175	50	#0	QPSK	5.78	13	PASS
LTE Band4	10	20350	50	#0	QPSK	5.73	13	PASS
LTE Band4	15	20025	75	#0	QPSK	5.85	13	PASS
LTE Band4	15	20175	75	#0	QPSK	6.12	13	PASS
LTE Band4	15	20325	75	#0	QPSK	6.00	13	PASS
LTE Band4	20	20050	100	#0	QPSK	5.35	13	PASS
LTE Band4	20	20175	100	#0	QPSK	5.46	13	PASS
LTE Band4	20	20300	100	#0	QPSK	5.37	13	PASS
LTE Band4	1.4	19957	6	#0	QAM16	5.99	13	PASS
LTE Band4	1.4	20175	6	#0	QAM16	6.32	13	PASS
LTE Band4	1.4	20393	6	#0	QAM16	6.48	13	PASS
LTE Band4	3	19965	15	#0	QAM16	5.98	13	PASS
LTE Band4	3	20175	15	#0	QAM16	6.45	13	PASS
LTE Band4	3	20385	15	#0	QAM16	6.39	13	PASS
LTE Band4	5	19975	25	#0	QAM16	5.69	13	PASS
LTE Band4	5	20175	25	#0	QAM16	6.38	13	PASS
LTE Band4	5	20375	25	#0	QAM16	6.30	13	PASS

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	High Limit (dB)	Verdict
LTE Band7	5	20775	25	#0	QPSK	5.67	13	PASS
LTE Band7	5	21100	25	#0	QPSK	5.53	13	PASS
LTE Band7	5	21425	25	#0	QPSK	5.53	13	PASS
LTE Band7	10	20800	50	#0	QPSK	5.56	13	PASS
LTE Band7	10	21100	50	#0	QPSK	5.5	13	PASS
LTE Band7	10	21400	50	#0	QPSK	5.51	13	PASS

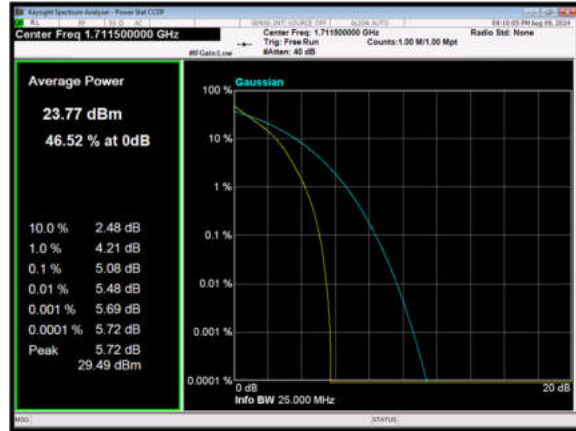
LTE Band7	15	20825	75	#0	QPSK	5.79	13	PASS
LTE Band7	15	21100	75	#0	QPSK	5.82	13	PASS
LTE Band7	15	21375	75	#0	QPSK	5.86	13	PASS
LTE Band7	20	20850	100	#0	QPSK	5.4	13	PASS
LTE Band7	20	21100	100	#0	QPSK	5.52	13	PASS
LTE Band7	20	21350	100	#0	QPSK	5.55	13	PASS
LTE Band7	5	20775	25	#0	QAM16	6.06	13	PASS
LTE Band7	5	21100	25	#0	QAM16	6.24	13	PASS
LTE Band7	5	21425	25	#0	QAM16	6.17	13	PASS

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	High Limit (dB)	Verdict
LTE Band66	1.4	131979	6	#0	QPSK	5.34	13	PASS
LTE Band66	1.4	132322	6	#0	QPSK	5.85	13	PASS
LTE Band66	1.4	132665	6	#0	QPSK	5.23	13	PASS
LTE Band66	3	131987	15	#0	QPSK	5.32	13	PASS
LTE Band66	3	132322	15	#0	QPSK	5.74	13	PASS
LTE Band66	3	132657	15	#0	QPSK	5.17	13	PASS
LTE Band66	5	131997	25	#0	QPSK	5.48	13	PASS
LTE Band66	5	132322	25	#0	QPSK	5.90	13	PASS
LTE Band66	5	132647	25	#0	QPSK	5.26	13	PASS
LTE Band66	10	132022	50	#0	QPSK	5.60	13	PASS
LTE Band66	10	132322	50	#0	QPSK	5.85	13	PASS
LTE Band66	10	132622	50	#0	QPSK	5.43	13	PASS
LTE Band66	15	132047	75	#0	QPSK	6.06	13	PASS
LTE Band66	15	132322	75	#0	QPSK	6.20	13	PASS
LTE Band66	15	132597	75	#0	QPSK	5.92	13	PASS
LTE Band66	20	132072	100	#0	QPSK	5.60	13	PASS
LTE Band66	20	132322	100	#0	QPSK	5.72	13	PASS
LTE Band66	20	132572	100	#0	QPSK	5.67	13	PASS
LTE Band66	1.4	131979	6	#0	QAM16	6.09	13	PASS
LTE Band66	1.4	132322	6	#0	QAM16	6.40	13	PASS
LTE Band66	1.4	132665	6	#0	QAM16	6.06	13	PASS
LTE Band66	3	131987	15	#0	QAM16	6.09	13	PASS
LTE Band66	3	132322	15	#0	QAM16	6.46	13	PASS
LTE Band66	3	132657	15	#0	QAM16	5.88	13	PASS
LTE Band66	5	131997	25	#0	QAM16	5.96	13	PASS
LTE Band66	5	132322	25	#0	QAM16	6.32	13	PASS
LTE Band66	5	132647	25	#0	QAM16	5.56	13	PASS

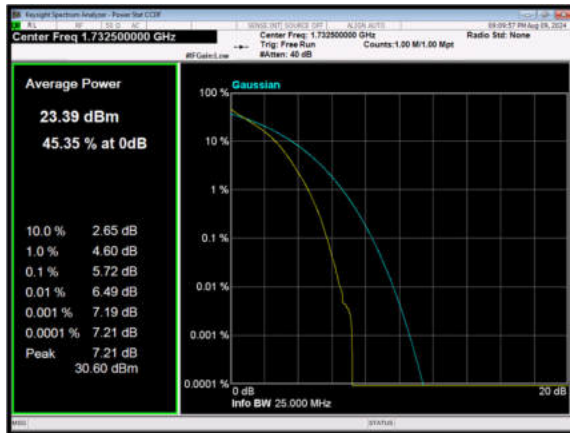
LTE Band 4 QPSK 1.4MHz CH-Low



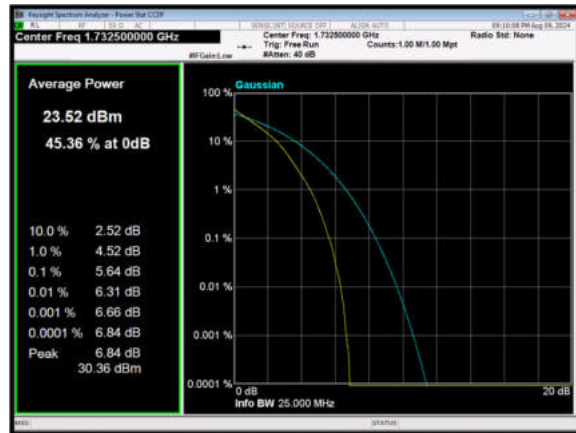
LTE Band 4 QPSK 3MHz CH-Low



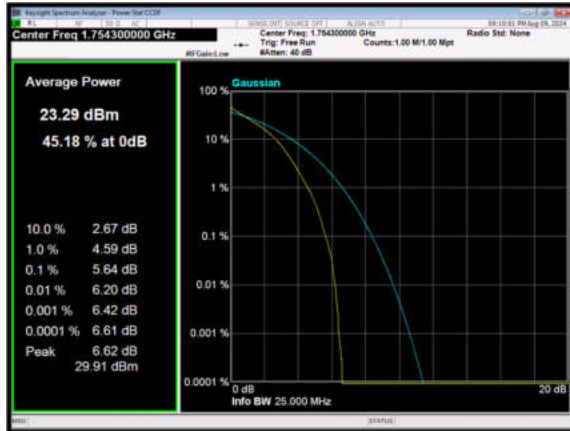
LTE Band 4 QPSK 1.4MHz CH-Middle



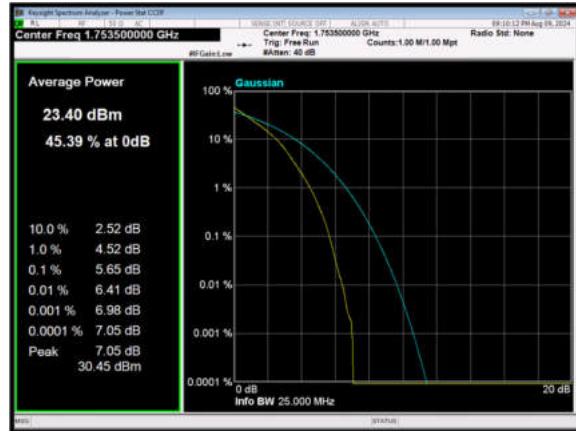
LTE Band 4 QPSK 3MHz CH-Middle



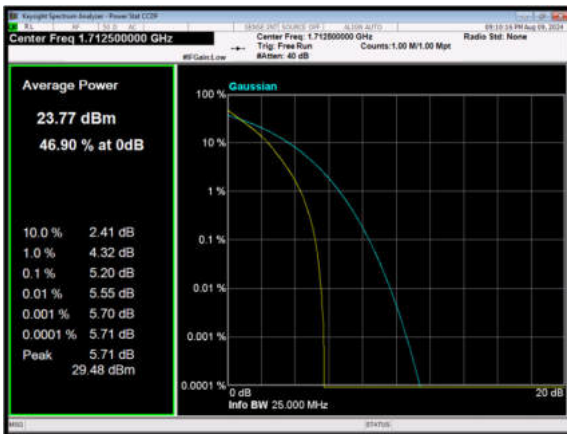
LTE Band 4 QPSK 1.4MHz CH-High



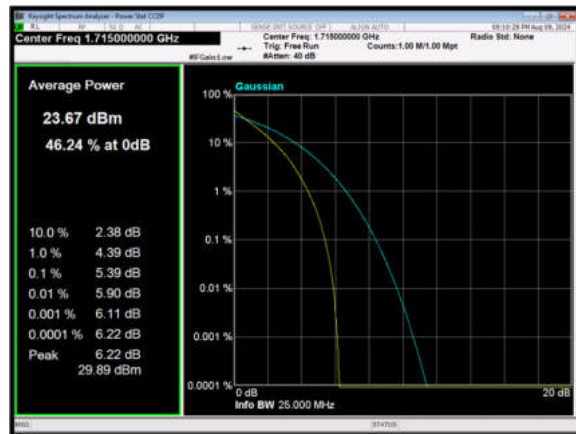
LTE Band 4 QPSK 3MHz CH-High



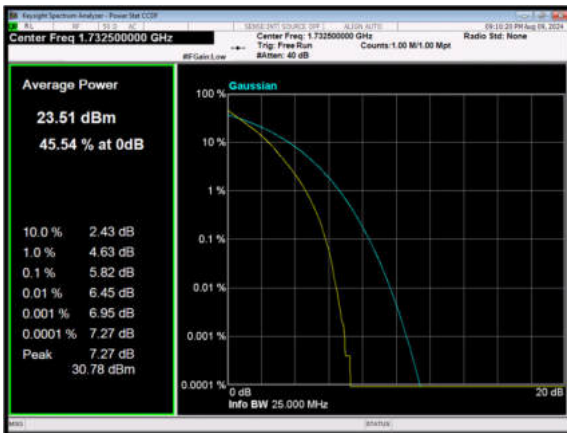
LTE Band 4 QPSK 5MHz CH-Low



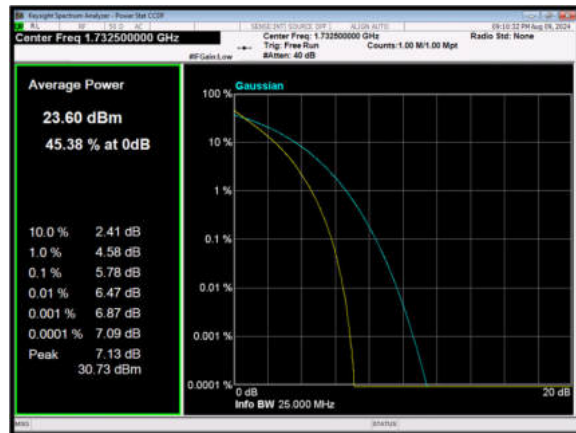
LTE Band 4 QPSK 10MHz CH-Low



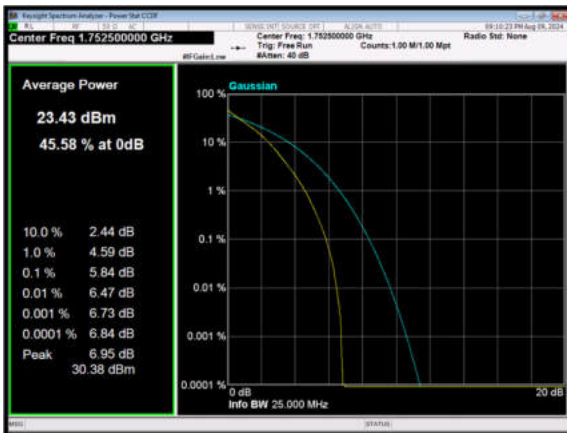
LTE Band 4 QPSK 5MHz CH-Middle



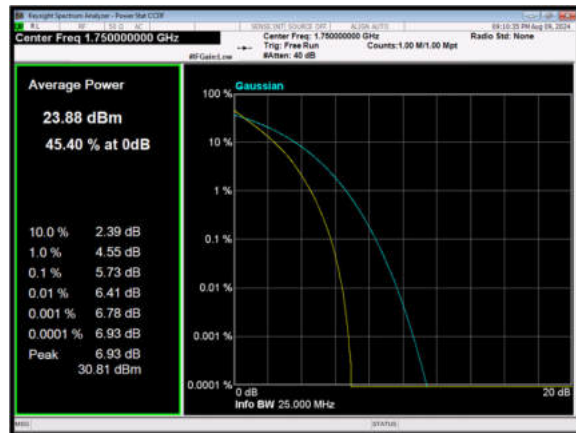
LTE Band 4 QPSK 10MHz CH-Middle



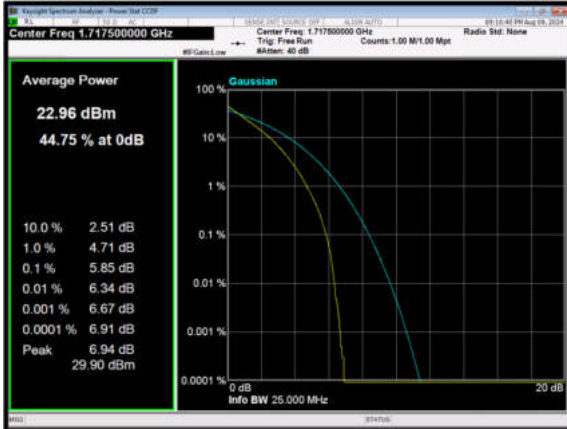
LTE Band 4 QPSK 5MHz CH-High



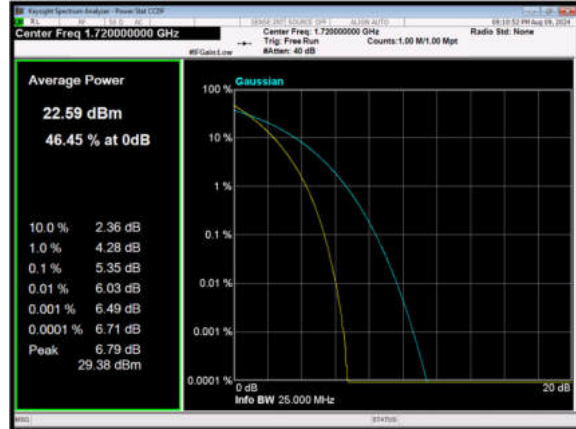
LTE Band 4 QPSK 10MHz CH-High



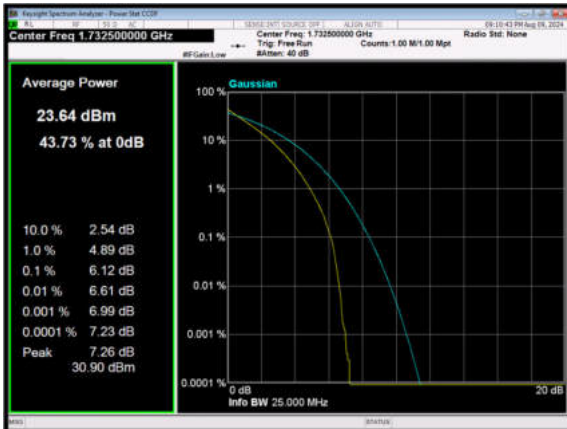
LTE Band 4 QPSK 15MHz CH-Low



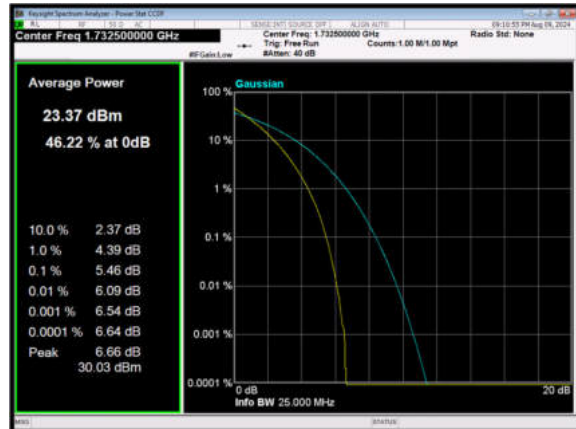
LTE Band 4 QPSK 20MHz CH-Low



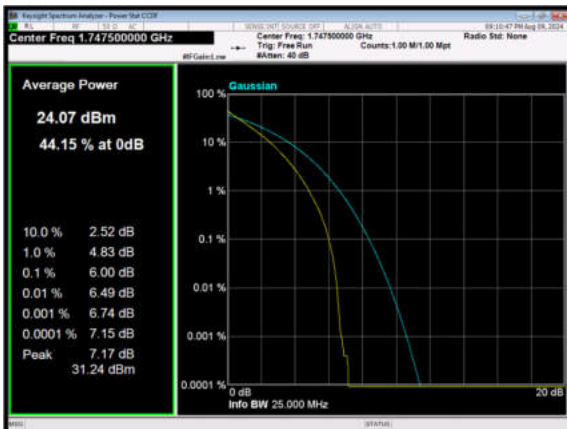
LTE Band 4 QPSK 15MHz CH-Middle



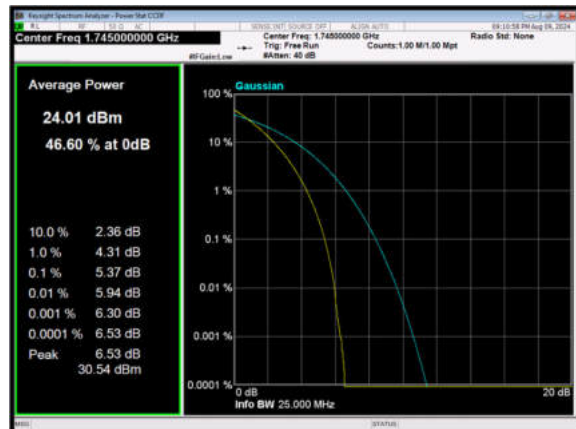
LTE Band 4 QPSK 20MHz CH-Middle



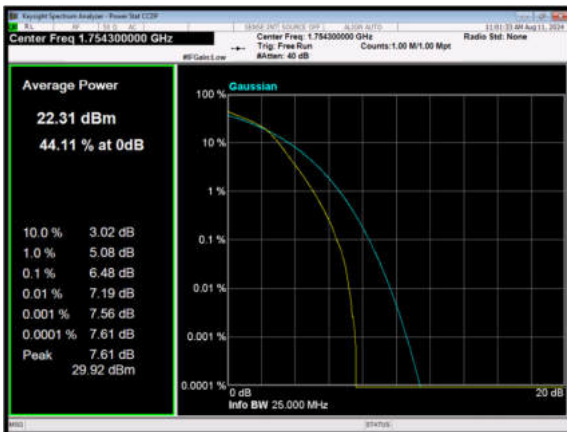
LTE Band 4 QPSK 15MHz CH-High



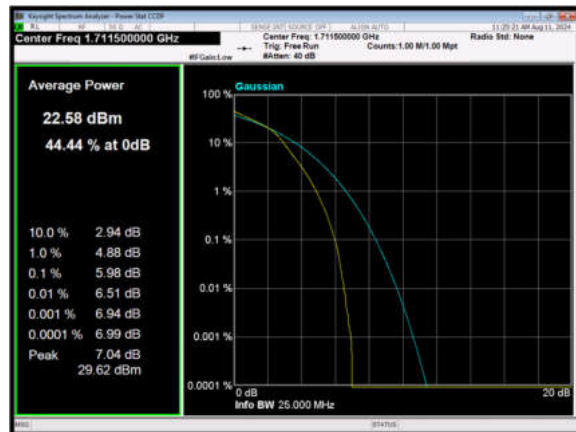
LTE Band 4 QPSK 20MHz CH-High



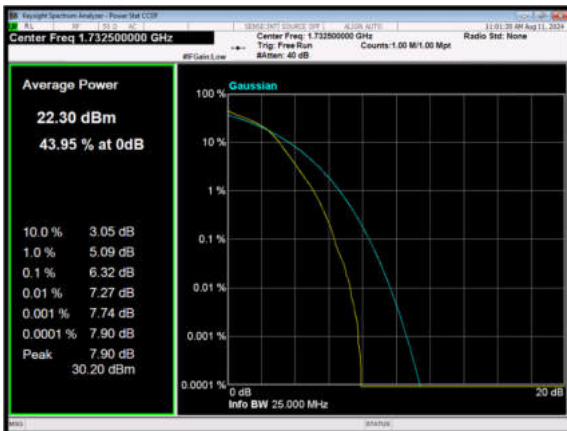
LTE Band 4 16QAM 1.4MHz CH-Low



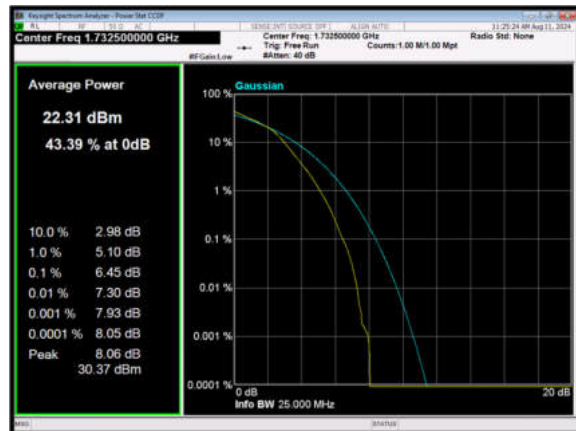
LTE Band 4 16QAM 3MHz CH-Low



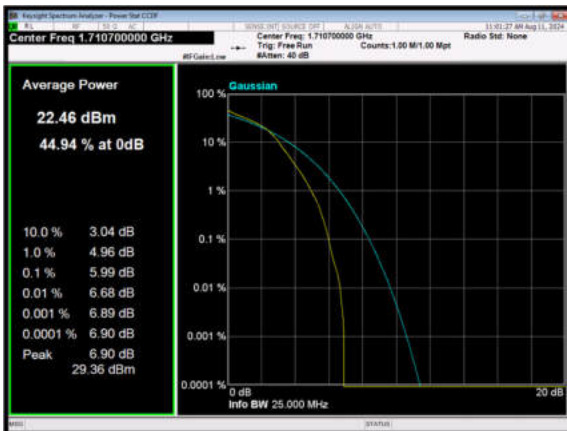
LTE Band 4 16QAM 1.4MHz CH-Middle



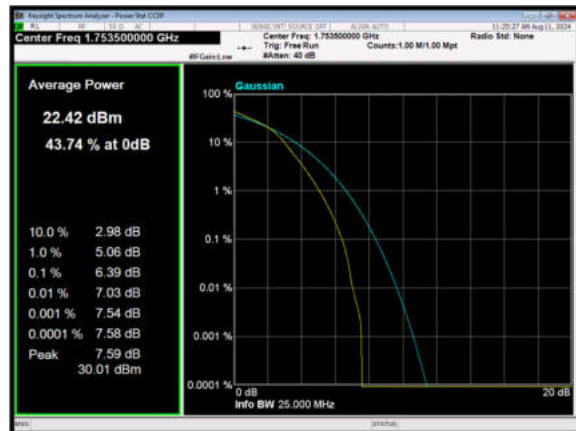
LTE Band 4 16QAM 3MHz CH-Middle



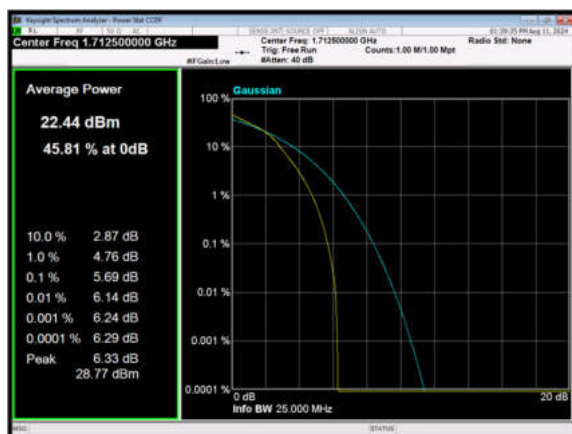
LTE Band 4 16QAM 1.4MHz CH-High



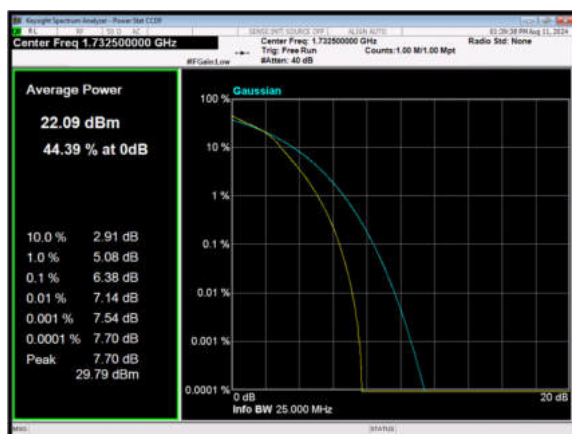
LTE Band 4 16QAM 3MHz CH-High



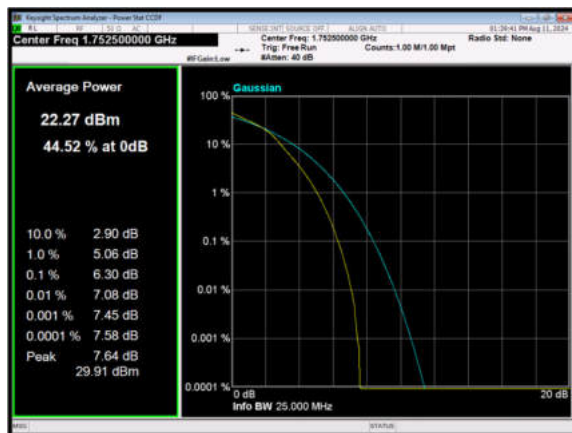
LTE Band 4 16QAM 5MHz CH-Low



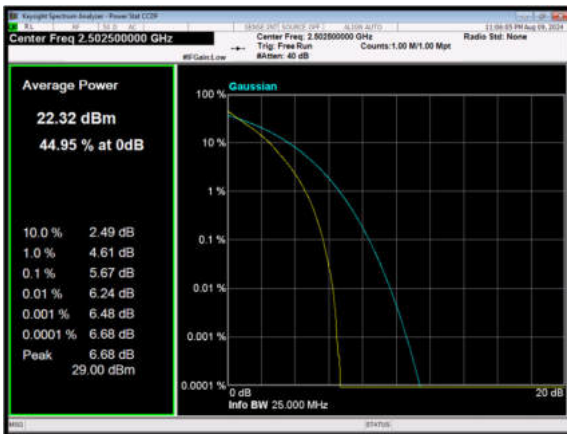
LTE Band 4 16QAM 5MHz CH-Middle



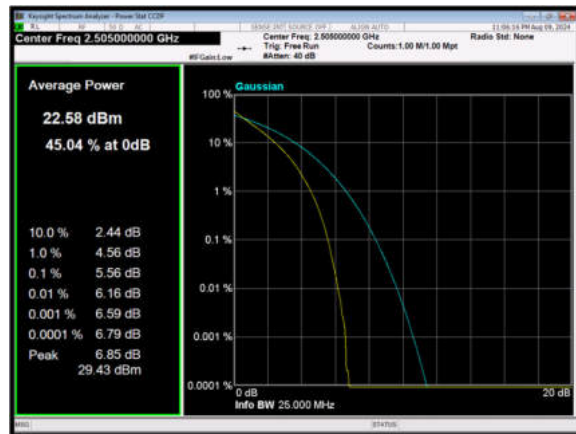
LTE Band 4 16QAM 5MHz CH-High



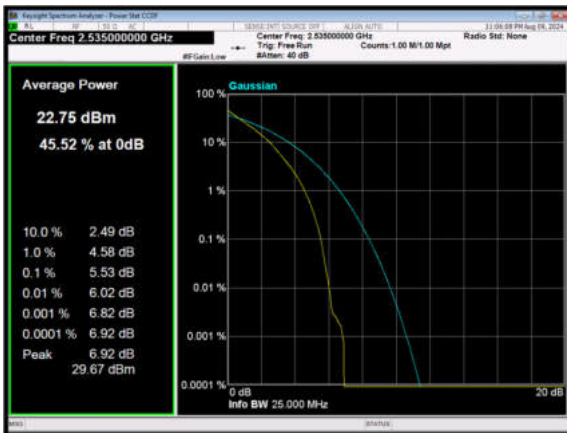
LTE Band 7 QPSK 5MHz CH-Low



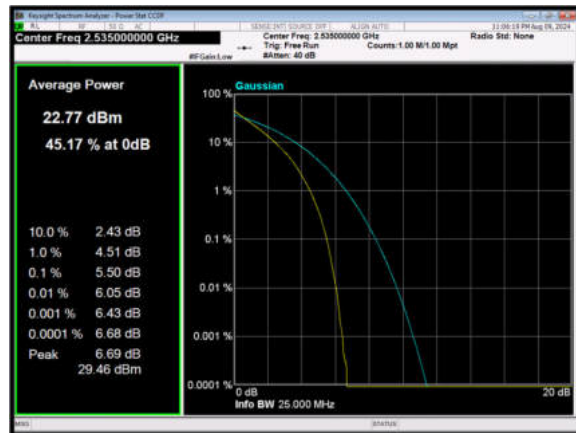
LTE Band 7 QPSK 10MHz CH-Low



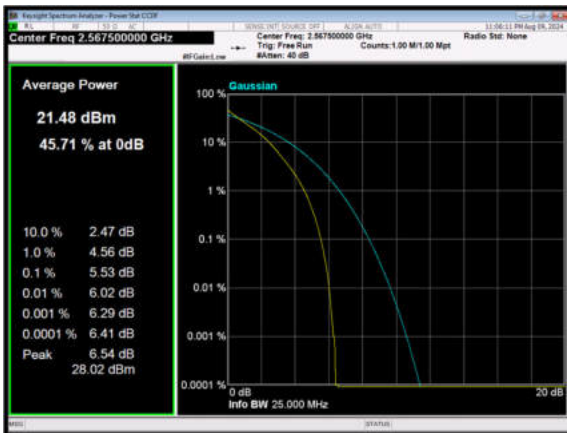
LTE Band 7 QPSK 5MHz CH-Middle



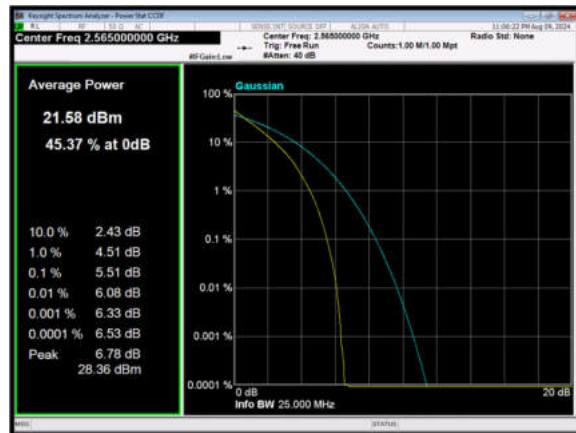
LTE Band 7 QPSK 10MHz CH-Middle



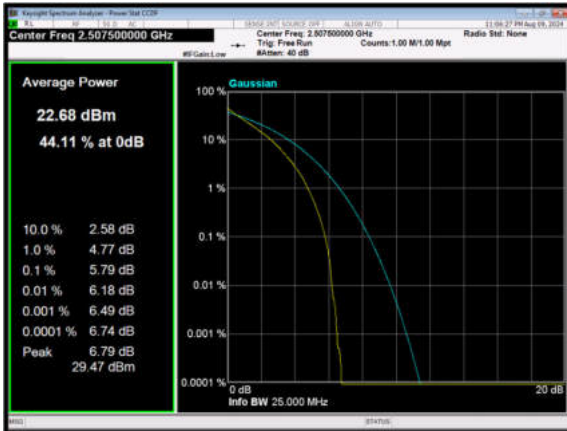
LTE Band 7 QPSK 5MHz CH-High



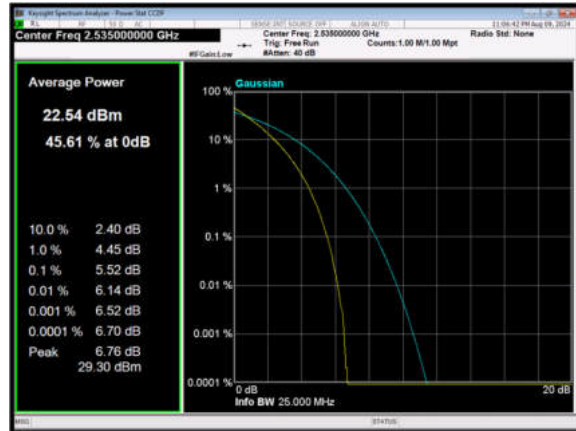
LTE Band 7 QPSK 10MHz CH-High



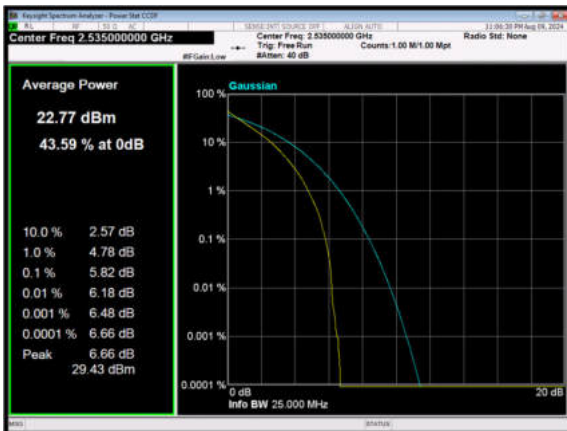
LTE Band 7 QPSK 15MHz CH-Low



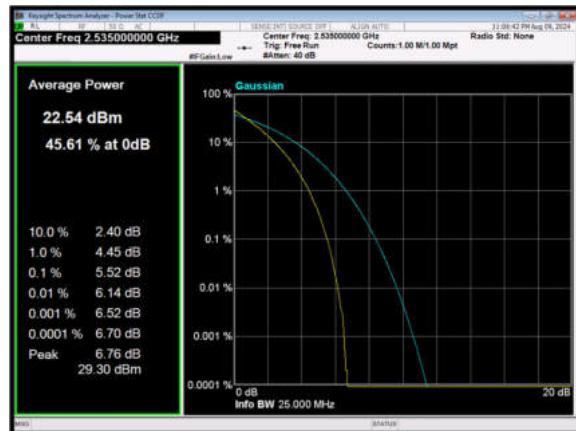
LTE Band 7 QPSK 20MHz CH-Low



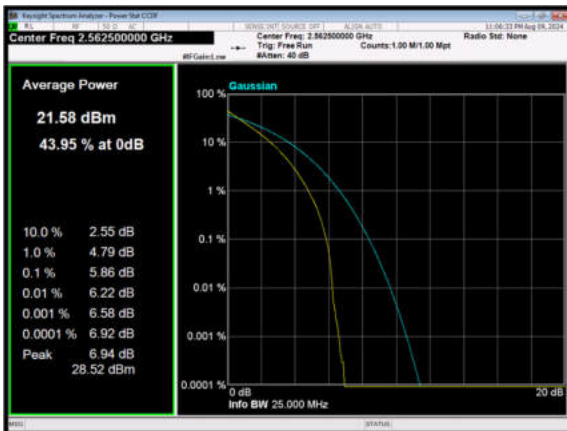
LTE Band 7 QPSK 15MHz CH-Middle



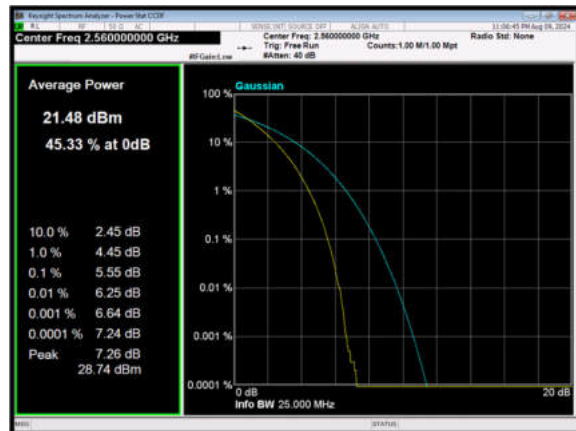
LTE Band 7 QPSK 20MHz CH-Middle



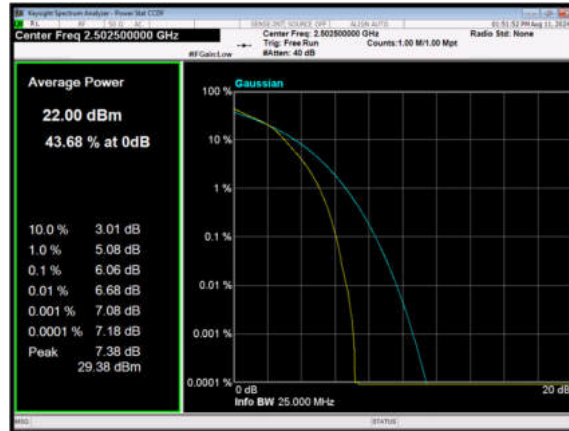
LTE Band 7 QPSK 15MHz CH-High



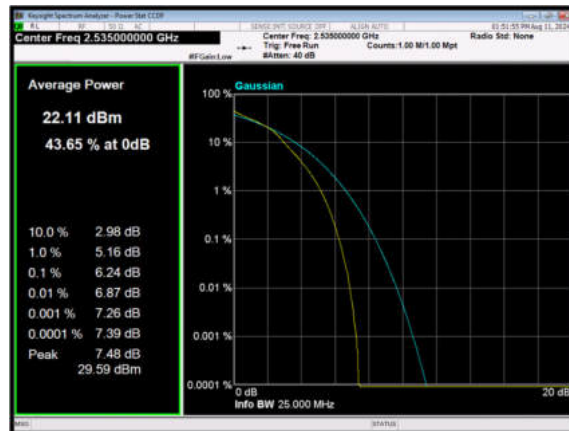
LTE Band 7 QPSK 20MHz CH-High



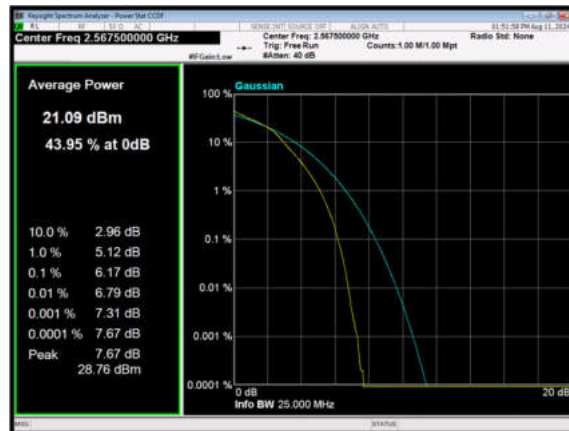
LTE Band 7 16QAM 5MHz CH-Low



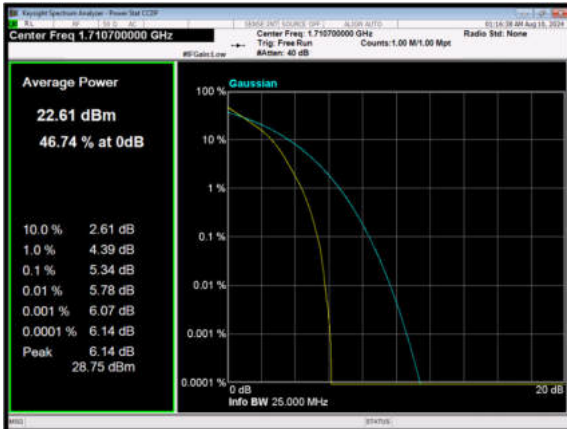
LTE Band 7 16QAM 5MHz CH-Middle



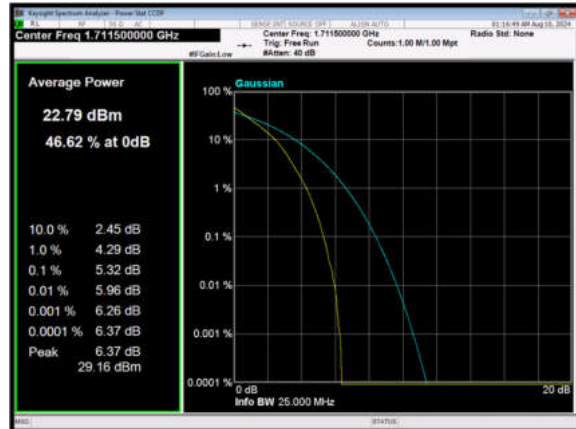
LTE Band 7 16QAM 5MHz CH-High



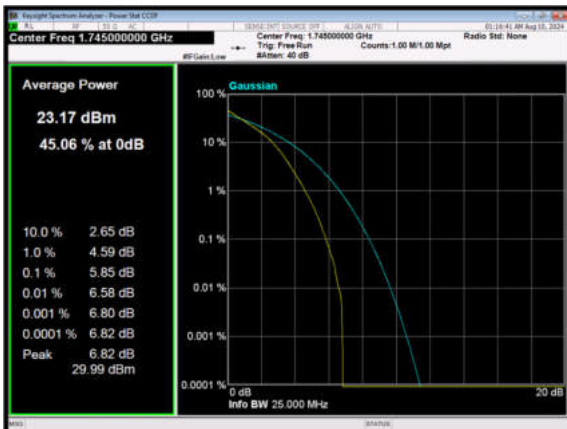
LTE Band 66 QPSK 1.4MHz CH-Low



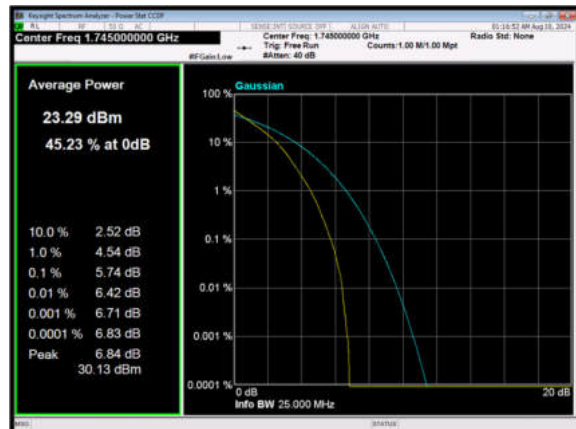
LTE Band 66 QPSK 3MHz CH-Low



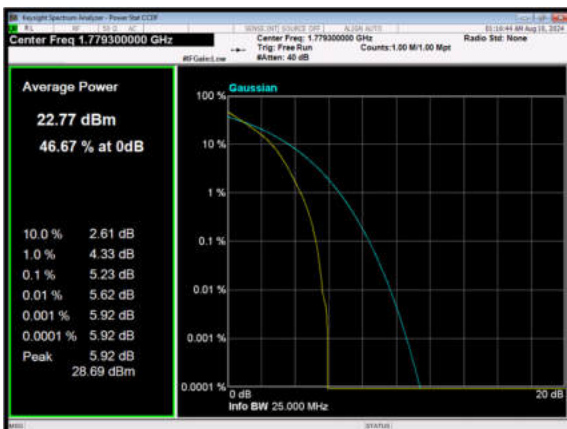
LTE Band 66 QPSK 1.4MHz CH-Middle



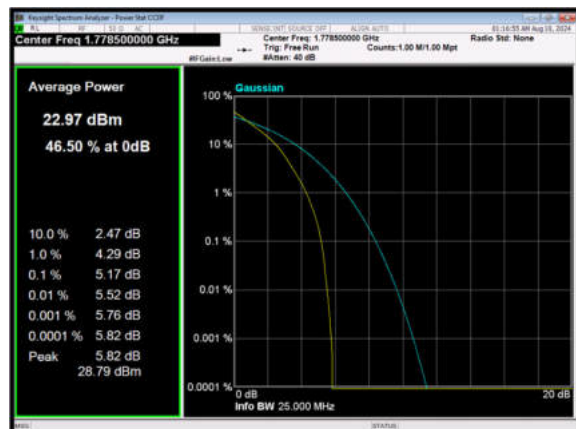
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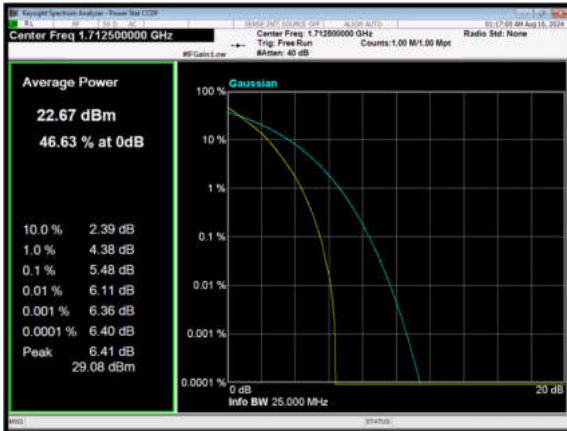
LTE Band 66 QPSK 1.4MHz CH-High



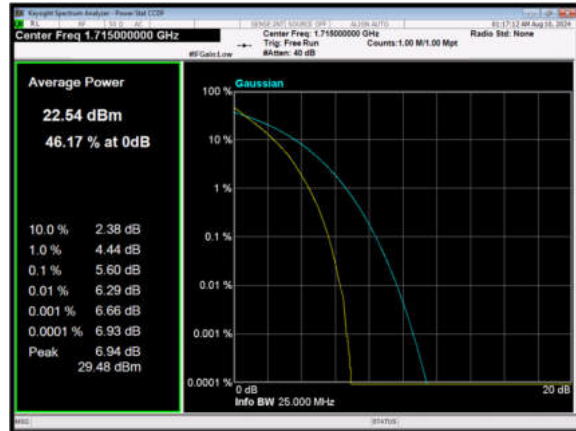
LTE Band 66 QPSK 3MHz CH-High



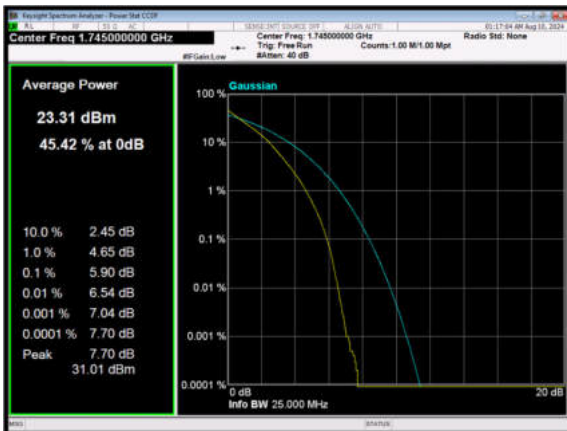
LTE Band 66 QPSK 5MHz CH-Low



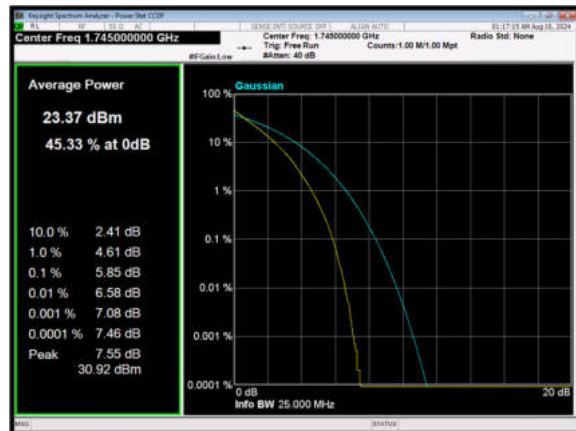
LTE Band 66 QPSK 10MHz CH-Low



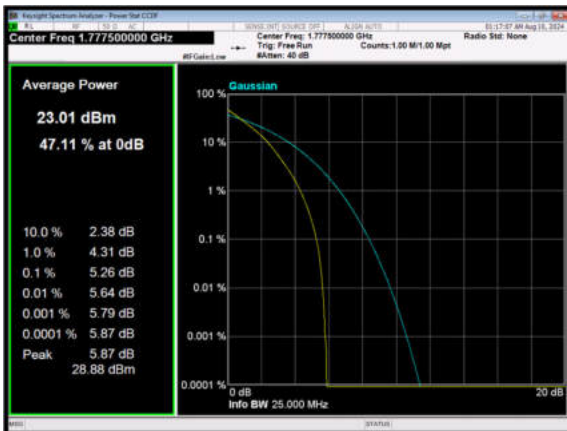
LTE Band 66 QPSK 5MHz CH-Middle



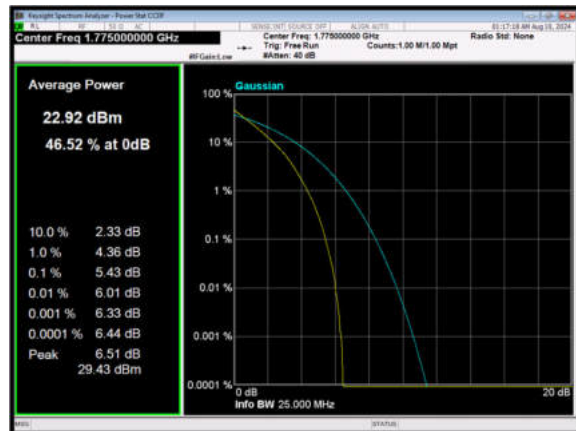
LTE Band 66 QPSK 10MHz CH-Middle



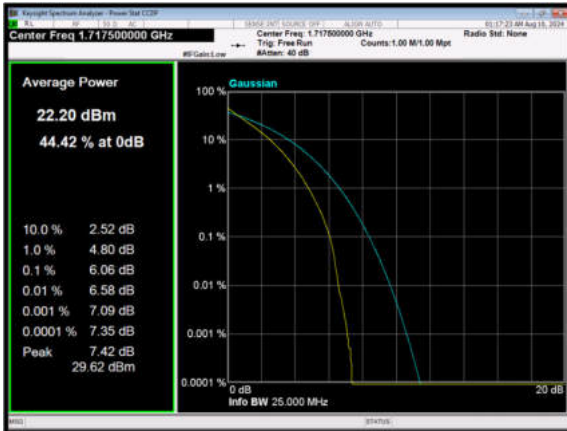
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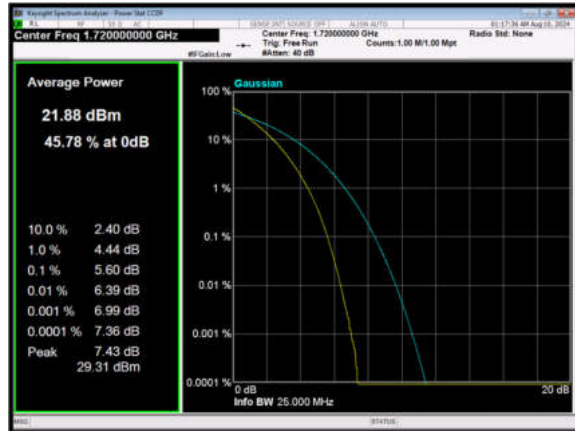
LTE Band 66 QPSK 10MHz CH-High



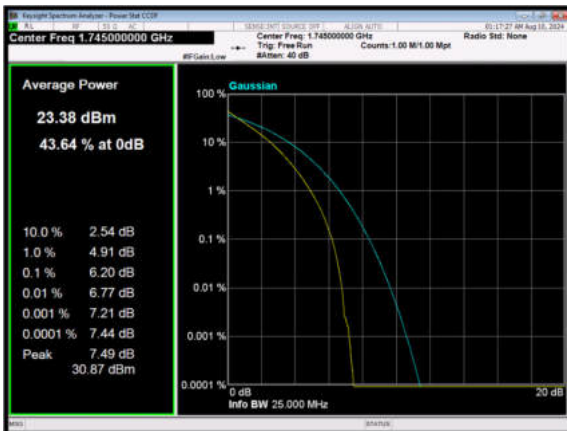
LTE Band 66 QPSK 15MHz CH-Low



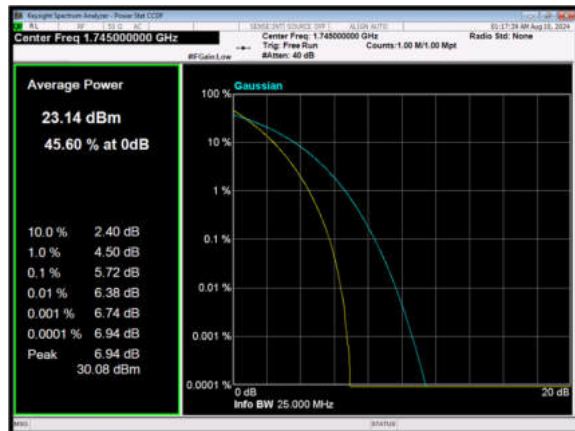
LTE Band 66 QPSK 20MHz CH-Low



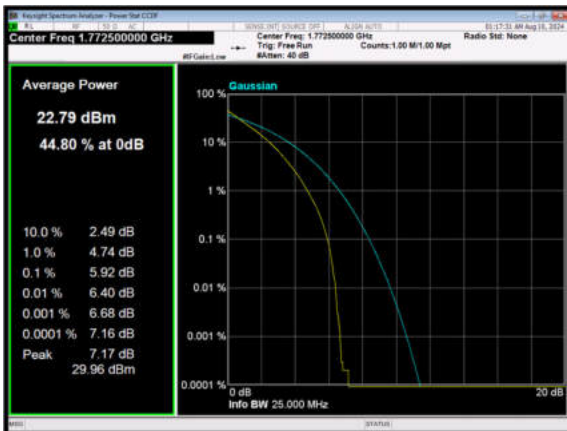
LTE Band 66 QPSK 15MHz CH-Middle



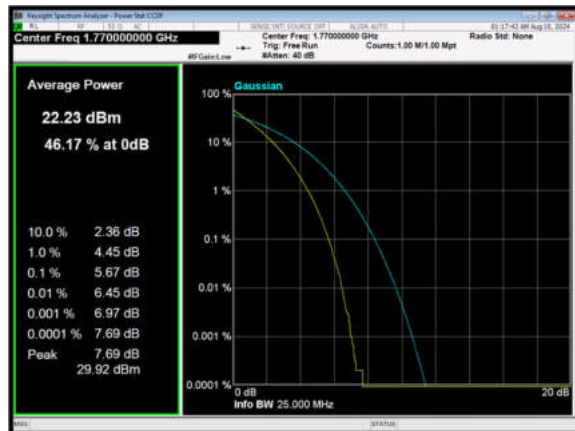
LTE Band 66 QPSK 20MHz CH-Middle



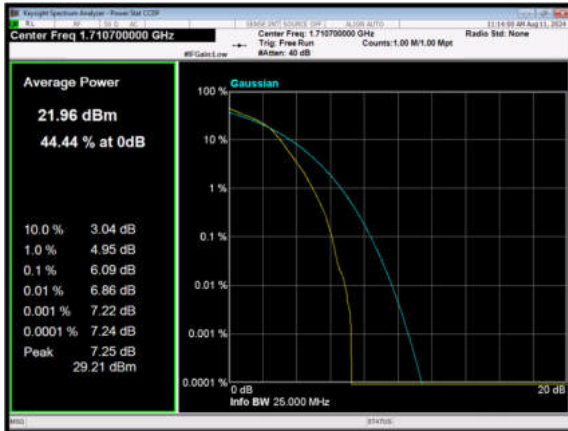
LTE Band 66 QPSK 15MHz CH-High



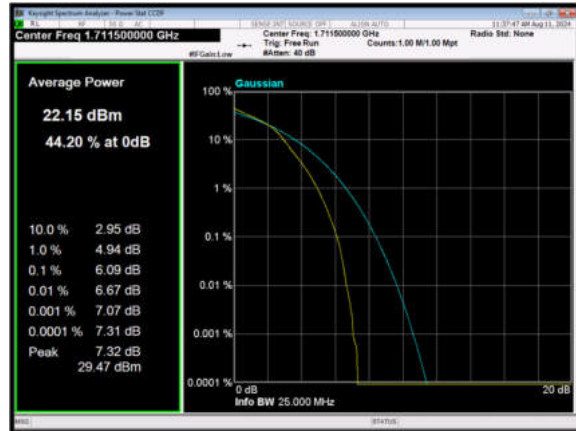
LTE Band 66 QPSK 20MHz CH-High



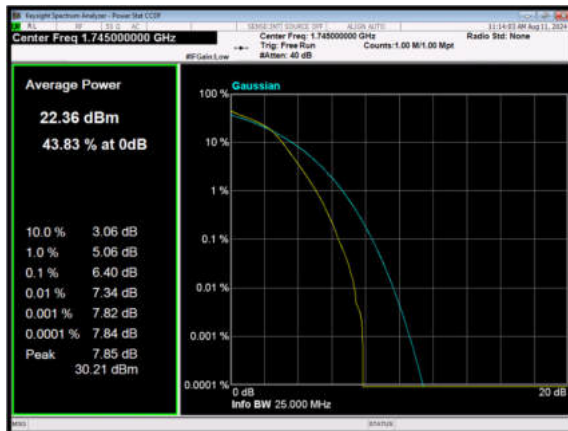
LTE Band 66 16QAM 1.4MHz CH-Low



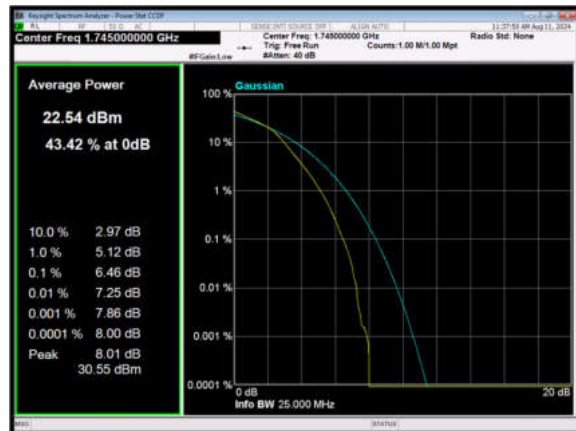
LTE Band 66 16QAM 3MHz CH-Low



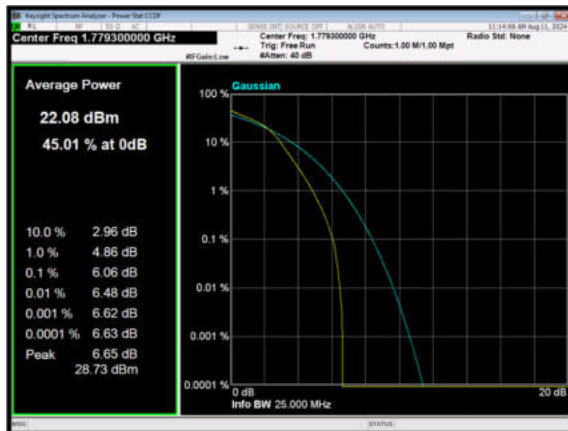
LTE Band 66 16QAM 1.4MHz CH-Middle



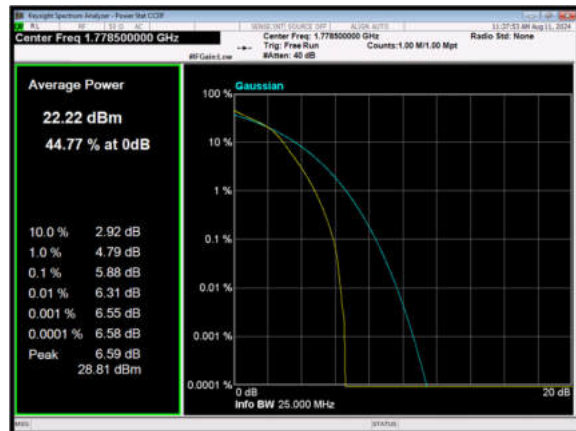
LTE Band 66 16QAM 3MHz CH-Middle



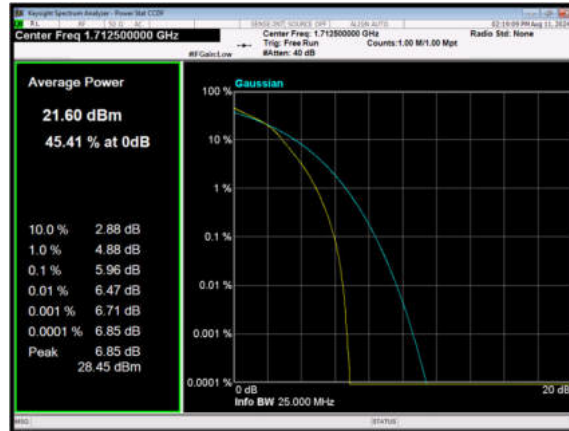
LTE Band 66 16QAM 1.4MHz CH-High



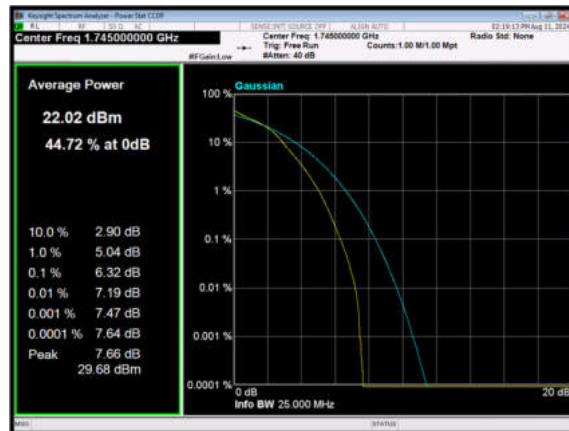
LTE Band 66 16QAM 3MHz CH-High



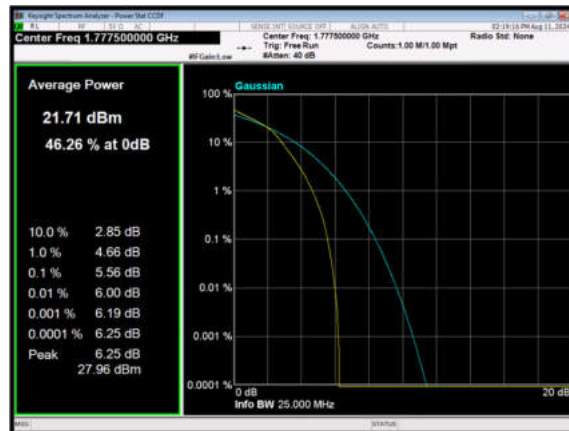
LTE Band 66 16QAM 5MHz CH-Low



LTE Band 66 16QAM 5MHz CH-Middle



LTE Band 66 16QAM 5MHz CH-High



6.5 Frequency Stability

	Condition		Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	1.4MHz					
LTE Band4	Temperature	Voltage	16QAM	QPSK	16QAM	QPSK	PASS
	Normal (25℃)	Normal	1.40	8.48	0.00081	0.00489	
	Extreme (50℃)		2.99	1.02	0.00172	0.00059	
	Extreme (40℃)		17.01	13.22	0.00982	0.00763	
	Extreme (30℃)		15.97	12.15	0.00922	0.00701	
	Extreme (20℃)		3.20	4.23	0.00185	0.00244	
	Extreme (10℃)		3.26	1.68	0.00188	0.00097	
	Extreme (0℃)		17.59	15.79	0.01015	0.00911	
	Extreme (-10℃)		3.85	10.28	0.00222	0.00594	
	Extreme (-20℃)		14.79	7.89	0.00854	0.00455	
	Extreme (-30℃)		2.72	12.31	0.00157	0.00711	
	25℃	LV	17.62	11.52	0.01017	0.00665	
		HV	4.55	8.88	0.00262	0.00512	
LTE Band4	Condition		Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	3MHz					
	Temperature	Voltage	16QAM	QPSK	16QAM	QPSK	PASS
	Normal (25℃)	Normal	1.77	1.57	0.00102	0.00090	
	Extreme (50℃)		10.28	12.18	0.00593	0.00703	
	Extreme (40℃)		6.76	6.71	0.00390	0.00387	
	Extreme (30℃)		3.76	2.01	0.00217	0.00116	
	Extreme (20℃)		12.81	10.58	0.00740	0.00611	
	Extreme (10℃)		15.68	8.11	0.00905	0.00468	
	Extreme (0℃)		13.79	12.74	0.00796	0.00735	
	Extreme (-10℃)		12.32	16.88	0.00711	0.00974	
	Extreme (-20℃)		16.83	17.25	0.00972	0.00995	
	Extreme (-30℃)		7.49	2.19	0.00432	0.00127	
	25℃	LV	10.40	15.34	0.00600	0.00886	
		HV	13.62	8.81	0.00786	0.00509	
LTE Band4	Condition		Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	5MHz					
	Temperature	Voltage	16QAM	QPSK	16QAM	QPSK	PASS
	Normal (25℃)	Normal	2.63	6.70	0.00152	0.00387	
	Extreme (50℃)		8.47	5.68	0.00489	0.00328	

	Extreme (40℃)		17.49	5.64	0.01009	0.00325	PASS
	Extreme (30℃)		12.66	15.06	0.00730	0.00869	PASS
	Extreme (20℃)		11.28	13.92	0.00651	0.00803	PASS
	Extreme (10℃)		12.10	13.18	0.00698	0.00761	PASS
	Extreme (0℃)		13.76	8.48	0.00794	0.00489	PASS
	Extreme (-10℃)		14.30	15.78	0.00826	0.00911	PASS
	Extreme (-20℃)		2.06	15.04	0.00119	0.00868	PASS
	Extreme (-30℃)		12.65	5.76	0.00730	0.00333	PASS
	25℃	LV	8.30	1.01	0.00479	0.00058	PASS
		HV	5.56	1.44	0.00321	0.00083	PASS
LTE Band4	Condition		Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	10MHz					
	Temperature	Voltage	16QAM	QPSK	16QAM	QPSK	
	Normal (25℃)	Normal	9.90	13.99	0.00571	0.00808	PASS
	Extreme (50℃)		13.12	9.04	0.00757	0.00522	PASS
	Extreme (40℃)		5.33	13.95	0.00307	0.00805	PASS
	Extreme (30℃)		11.49	17.54	0.00663	0.01012	PASS
	Extreme (20℃)		1.45	17.12	0.00083	0.00988	PASS
	Extreme (10℃)		14.75	1.92	0.00851	0.00111	PASS
	Extreme (0℃)		12.62	10.65	0.00728	0.00615	PASS
	Extreme (-10℃)		2.23	16.99	0.00129	0.00981	PASS
	Extreme (-20℃)		10.12	9.15	0.00584	0.00528	PASS
	Extreme (-30℃)		1.04	13.70	0.00060	0.00791	PASS
	25℃	LV	7.38	13.94	0.00426	0.00805	PASS
		HV	16.66	5.80	0.00962	0.00335	PASS
LTE Band4	Condition		Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	15MHz					
	Temperature	Voltage	16QAM	QPSK	16QAM	QPSK	
	Normal (25℃)	Normal	4.37	5.70	0.00252	0.00329	PASS
	Extreme (50℃)		13.46	11.00	0.00777	0.00635	PASS
	Extreme (40℃)		13.63	12.47	0.00787	0.00720	PASS
	Extreme (30℃)		6.76	6.68	0.00390	0.00385	PASS
	Extreme (20℃)		16.77	9.97	0.00968	0.00576	PASS
	Extreme (10℃)		14.80	5.64	0.00854	0.00326	PASS
	Extreme (0℃)		9.15	8.29	0.00528	0.00478	PASS
	Extreme (-10℃)		17.99	6.77	0.01038	0.00391	PASS
	Extreme (-20℃)		1.69	13.32	0.00097	0.00769	PASS
	Extreme (-30℃)		8.21	4.37	0.00474	0.00252	PASS
	25℃	LV	14.12	2.57	0.00815	0.00148	PASS
		HV	14.09	16.64	0.00813	0.00960	PASS

LTE Band4	Condition		Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	20MHz					
	Temperature	Voltage	16QAM	QPSK	16QAM	QPSK	
LTE Band4	Normal (25℃)	Normal	8.99	12.92	0.00519	0.00746	PASS
	Extreme (50℃)		10.11	5.23	0.00584	0.00302	PASS
	Extreme (40℃)		2.45	2.13	0.00141	0.00123	PASS
	Extreme (30℃)		4.61	3.39	0.00266	0.00196	PASS
	Extreme (20℃)		13.83	9.33	0.00798	0.00538	PASS
	Extreme (10℃)		9.18	12.58	0.00530	0.00726	PASS
	Extreme (0℃)		1.02	8.72	0.00059	0.00503	PASS
	Extreme (-10℃)		11.88	4.02	0.00686	0.00232	PASS
	Extreme (-20℃)		12.31	3.12	0.00710	0.00180	PASS
	Extreme (-30℃)		9.59	13.48	0.00554	0.00778	PASS
	25℃	LV	11.17	15.91	0.00645	0.00918	PASS
		HV	7.85	2.73	0.00453	0.00158	PASS

LTE Band7	Condition		Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	5MHz					
	Temperature	Voltage	16QAM	QPSK	16QAM	QPSK	
LTE Band7	Normal (25℃)	Normal	6.73	12.30	0.00265	0.00485	PASS
	Extreme (50℃)		13.47	15.27	0.00531	0.00602	PASS
	Extreme (40℃)		8.26	5.97	0.00326	0.00235	PASS
	Extreme (30℃)		2.29	9.15	0.00090	0.00361	PASS
	Extreme (20℃)		1.20	14.75	0.00047	0.00582	PASS
	Extreme (10℃)		11.16	16.19	0.00440	0.00639	PASS
	Extreme (0℃)		5.31	5.73	0.00209	0.00226	PASS
	Extreme (-10℃)		16.73	9.27	0.00660	0.00366	PASS
	Extreme (-20℃)		5.79	17.86	0.00228	0.00705	PASS
	Extreme (-30℃)		15.33	15.13	0.00605	0.00597	PASS
	25℃	LV	14.67	7.94	0.00579	0.00313	PASS
		HV	4.39	8.30	0.00173	0.00327	PASS

LTE Band7	Condition		Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	10MHz					
	Temperature	Voltage	16QAM	QPSK	16QAM	QPSK	
LTE Band7	Normal (25℃)	Normal	2.84	12.73	0.00112	0.00502	PASS
	Extreme (50℃)		13.41	10.60	0.00529	0.00418	PASS
	Extreme (40℃)		16.52	11.80	0.00652	0.00466	PASS

	Extreme (30℃)		8.34	15.20	0.00329	0.00599	PASS
	Extreme (20℃)		13.52	1.89	0.00534	0.00075	PASS
	Extreme (10℃)		10.59	2.85	0.00418	0.00112	PASS
	Extreme (0℃)		10.44	4.68	0.00412	0.00185	PASS
	Extreme (-10℃)		1.86	3.18	0.00073	0.00126	PASS
	Extreme (-20℃)		1.98	8.62	0.00078	0.00340	PASS
	Extreme (-30℃)		5.18	4.76	0.00204	0.00188	PASS
	25℃	LV	13.14	11.01	0.00518	0.00435	PASS
		HV	16.56	11.03	0.00653	0.00435	PASS
LTE Band7	Condition		Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	15MHz					
	Temperature	Voltage	16QAM	QPSK	16QAM	QPSK	
	Normal (25℃)	Normal	6.13	8.24	0.00242	0.00325	PASS
	Extreme (50℃)		13.10	6.30	0.00517	0.00249	PASS
	Extreme (40℃)		7.00	14.98	0.00276	0.00591	PASS
	Extreme (30℃)		7.84	6.49	0.00309	0.00256	PASS
	Extreme (20℃)		4.27	8.76	0.00168	0.00346	PASS
	Extreme (10℃)		14.17	8.24	0.00559	0.00325	PASS
	Extreme (0℃)		14.26	3.29	0.00563	0.00130	PASS
	Extreme (-10℃)		15.01	4.25	0.00592	0.00168	PASS
	Extreme (-20℃)		2.72	11.53	0.00107	0.00455	PASS
	Extreme (-30℃)		1.69	8.07	0.00067	0.00318	PASS
	25℃	LV	17.96	12.73	0.00708	0.00502	PASS
		HV	5.20	1.10	0.00205	0.00044	PASS
LTE Band7	Condition		Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	20MHz					
	Temperature	Voltage	16QAM	QPSK	16QAM	QPSK	
	Normal (25℃)	Normal	7.33	6.69	0.00289	0.00264	PASS
	Extreme (50℃)		9.27	8.86	0.00366	0.00350	PASS
	Extreme (40℃)		4.66	1.18	0.00184	0.00047	PASS
	Extreme (30℃)		10.98	9.87	0.00433	0.00389	PASS
	Extreme (20℃)		3.05	17.03	0.00120	0.00672	PASS
	Extreme (10℃)		14.55	17.69	0.00574	0.00698	PASS
	Extreme (0℃)		17.84	2.29	0.00704	0.00090	PASS
	Extreme (-10℃)		12.51	8.62	0.00494	0.00340	PASS
	Extreme (-20℃)		7.93	4.33	0.00313	0.00171	PASS
	Extreme (-30℃)		6.62	12.99	0.00261	0.00513	PASS
	25℃	LV	16.72	13.63	0.00660	0.00538	PASS
		HV	8.71	17.83	0.00344	0.00703	PASS

	Condition		Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	1.4MHz					
LTE Band66	Temperature	Voltage	16QAM	QPSK	16QAM	QPSK	
	Normal (25℃)	Normal	9.52	5.98	0.00545	0.00343	
	Extreme (50℃)		4.12	2.94	0.00236	0.00169	PASS
	Extreme (40℃)		5.22	7.93	0.00299	0.00454	PASS
	Extreme (30℃)		16.95	2.30	0.00972	0.00132	PASS
	Extreme (20℃)		1.73	1.13	0.00099	0.00065	PASS
	Extreme (10℃)		15.59	15.30	0.00893	0.00877	PASS
	Extreme (0℃)		4.06	16.18	0.00233	0.00927	PASS
	Extreme (-10℃)		10.49	12.61	0.00601	0.00723	PASS
	Extreme (-20℃)		10.09	9.16	0.00578	0.00525	PASS
	Extreme (-30℃)		12.06	10.43	0.00691	0.00598	PASS
	25℃	LV	2.11	8.74	0.00121	0.00501	PASS
		HV	3.41	10.71	0.00195	0.00614	PASS
LTE Band66	Condition		Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	3MHz					
	Temperature	Voltage	16QAM	QPSK	16QAM	QPSK	
	Normal (25℃)	Normal	4.36	15.54	0.00250	0.00890	
	Extreme (50℃)		13.16	11.80	0.00754	0.00676	PASS
	Extreme (40℃)		9.77	13.95	0.00560	0.00799	PASS
	Extreme (30℃)		14.38	7.22	0.00824	0.00414	PASS
	Extreme (20℃)		3.42	2.09	0.00196	0.00120	PASS
	Extreme (10℃)		17.98	9.85	0.01030	0.00564	PASS
	Extreme (0℃)		7.31	9.31	0.00419	0.00533	PASS
	Extreme (-10℃)		9.47	15.92	0.00542	0.00912	PASS
	Extreme (-20℃)		15.90	7.11	0.00911	0.00408	PASS
	Extreme (-30℃)		10.93	1.38	0.00626	0.00079	PASS
	25℃	LV	16.54	5.97	0.00948	0.00342	PASS
		HV	3.95	16.39	0.00226	0.00939	PASS
LTE Band66	Condition		Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	5MHz					
	Temperature	Voltage	16QAM	QPSK	16QAM	QPSK	
	Normal (25℃)	Normal	3.47	10.60	0.00199	0.00608	
	Extreme (50℃)		8.57	15.54	0.00491	0.00890	PASS
	Extreme (40℃)		8.75	14.65	0.00501	0.00840	PASS
	Extreme (30℃)		12.46	4.61	0.00714	0.00264	PASS

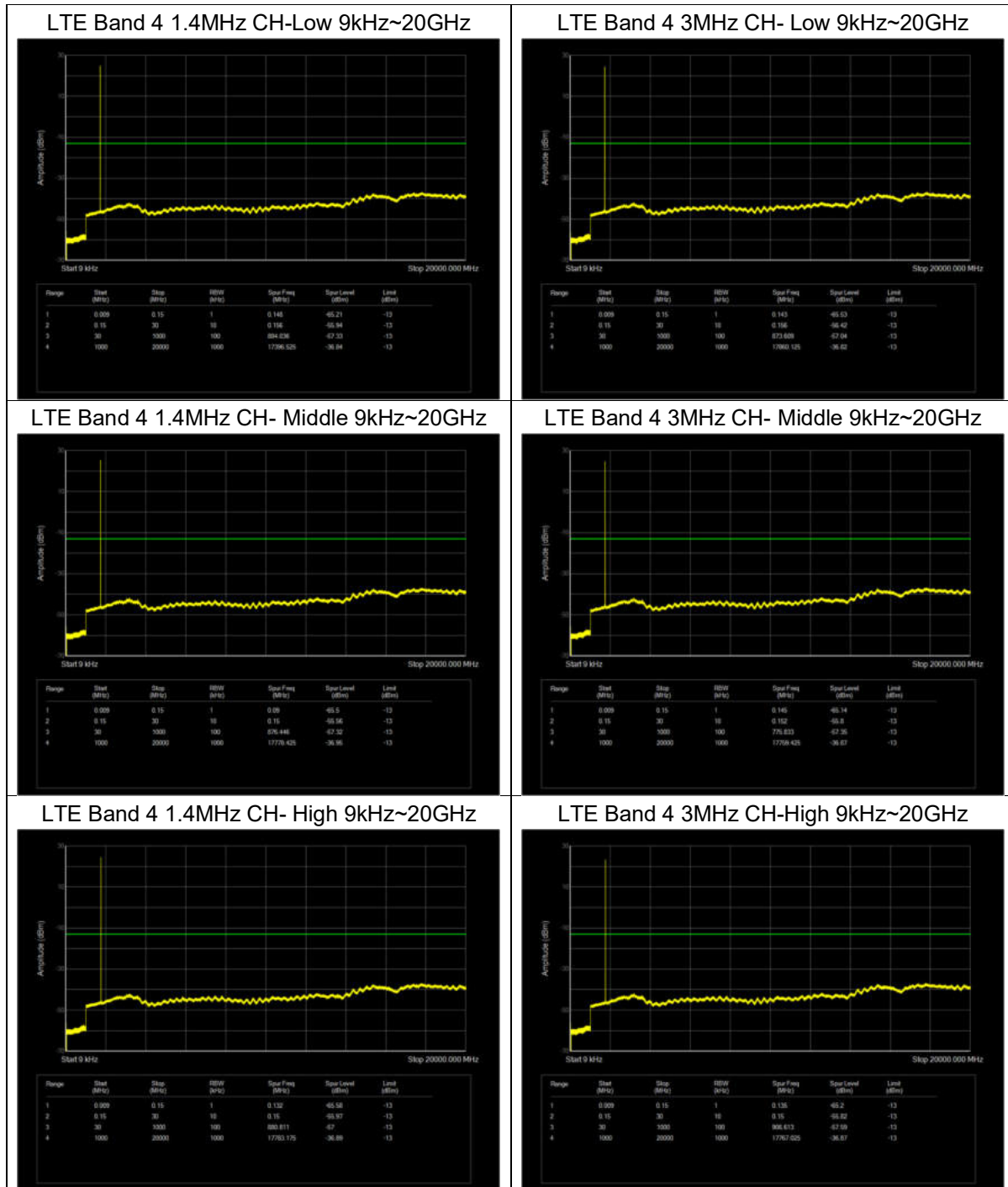
	Extreme (20℃)		1.44	11.21	0.00083	0.00642	PASS
	Extreme (10℃)		2.77	11.76	0.00159	0.00674	PASS
	Extreme (0℃)		15.39	12.77	0.00882	0.00732	PASS
	Extreme (-10℃)		7.40	9.77	0.00424	0.00560	PASS
	Extreme (-20℃)		11.06	5.72	0.00634	0.00328	PASS
	Extreme (-30℃)		7.55	12.49	0.00433	0.00716	PASS
	25℃	LV	7.29	2.75	0.00418	0.00157	PASS
		HV	12.03	16.88	0.00690	0.00967	PASS
LTE Band66	Condition		Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	10MHz					
	Temperature	Voltage	16QAM	QPSK	16QAM	QPSK	
	Normal (25℃)	Normal	7.60	3.28	0.00435	0.00188	PASS
	Extreme (50℃)		12.08	3.41	0.00692	0.00195	PASS
	Extreme (40℃)		9.66	9.45	0.00554	0.00541	PASS
	Extreme (30℃)		3.52	8.29	0.00202	0.00475	PASS
	Extreme (20℃)		16.58	6.42	0.00950	0.00368	PASS
	Extreme (10℃)		9.62	9.86	0.00551	0.00565	PASS
	Extreme (0℃)		15.01	14.41	0.00860	0.00826	PASS
	Extreme (-10℃)		13.17	16.13	0.00755	0.00924	PASS
	Extreme (-20℃)		2.09	2.67	0.00120	0.00153	PASS
	Extreme (-30℃)		6.12	13.34	0.00351	0.00764	PASS
	25℃	LV	1.36	5.27	0.00078	0.00302	PASS
		HV	2.49	8.29	0.00143	0.00475	PASS
LTE Band66	Condition		Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
	BANDWIDTH	15MHz					
	Temperature	Voltage	16QAM	QPSK	16QAM	QPSK	
	Normal (25℃)	Normal	4.19	17.28	0.00240	0.00990	PASS
	Extreme (50℃)		9.41	10.80	0.00539	0.00619	PASS
	Extreme (40℃)		4.02	6.17	0.00231	0.00354	PASS
	Extreme (30℃)		9.73	15.53	0.00558	0.00890	PASS
	Extreme (20℃)		14.61	11.98	0.00837	0.00686	PASS
	Extreme (10℃)		3.07	5.76	0.00176	0.00330	PASS
	Extreme (0℃)		7.28	14.11	0.00417	0.00809	PASS
	Extreme (-10℃)		11.45	10.85	0.00656	0.00622	PASS
	Extreme (-20℃)		8.13	16.30	0.00466	0.00934	PASS
	Extreme (-30℃)		9.30	10.10	0.00533	0.00579	PASS
	25℃	LV	5.73	5.58	0.00328	0.00320	PASS
		HV	9.48	2.27	0.00543	0.00130	PASS
LTE Band66	Condition		Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability	Frequency Stability	Verdict

	BANDWIDTH	20MHz			(ppm)	(ppm)	
	Temperature	Voltage	16QAM	QPSK	16QAM	QPSK	
	Normal (25℃)	Normal	11.31	4.06	0.00648	0.00232	PASS
	Extreme (50℃)		4.14	17.16	0.00237	0.00983	PASS
	Extreme (40℃)		1.86	15.67	0.00107	0.00898	PASS
	Extreme (30℃)		5.61	13.21	0.00322	0.00757	PASS
	Extreme (20℃)		7.49	10.37	0.00429	0.00594	PASS
	Extreme (10℃)		9.72	12.51	0.00557	0.00717	PASS
	Extreme (0℃)		1.19	8.01	0.00068	0.00459	PASS
	Extreme (-10℃)		15.59	7.10	0.00893	0.00407	PASS
	Extreme (-20℃)		2.80	11.37	0.00160	0.00651	PASS
	Extreme (-30℃)		4.62	9.70	0.00265	0.00556	PASS
	25℃	LV	7.12	3.21	0.00408	0.00184	PASS
		HV	7.94	14.00	0.00455	0.00802	PASS

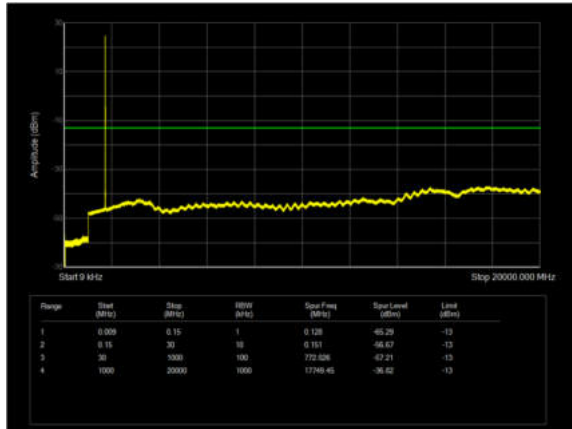
6.6 Spurious Emissions at Antenna Terminals

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.

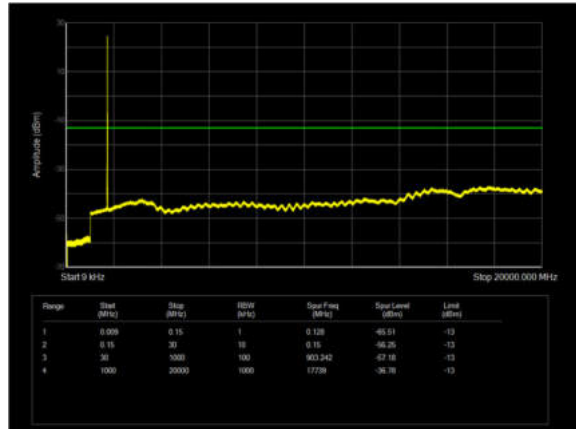
The signal beyond the limit is carrier.



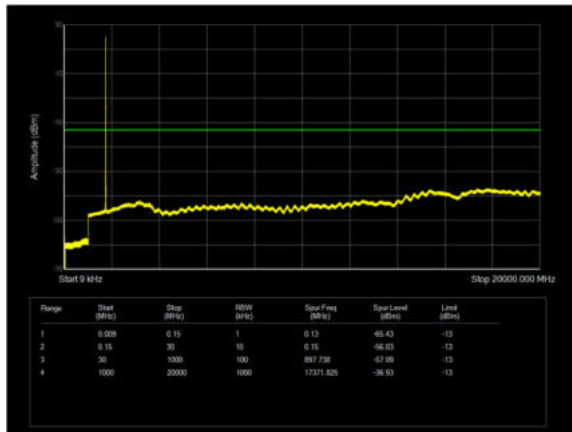
LTE Band 4 5MHz CH- Low 9kHz~20GHz



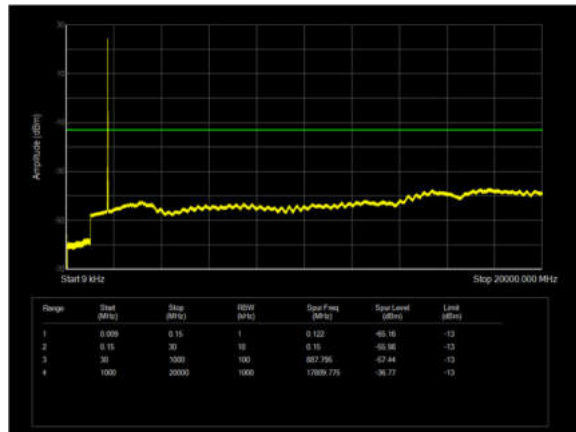
LTE Band 4 10MHz CH-Low 9kHz~20GHz



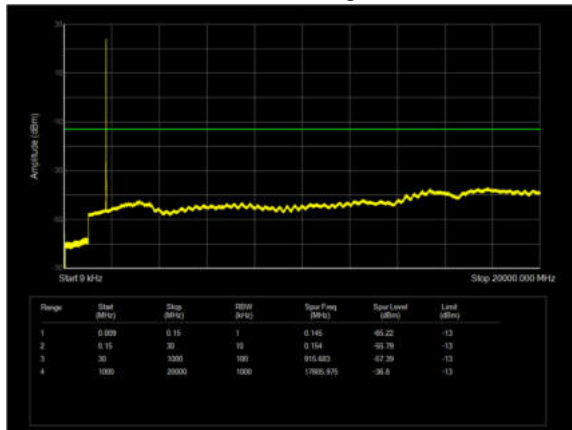
LTE Band 4 5MHz CH- Middle 9kHz~20GHz



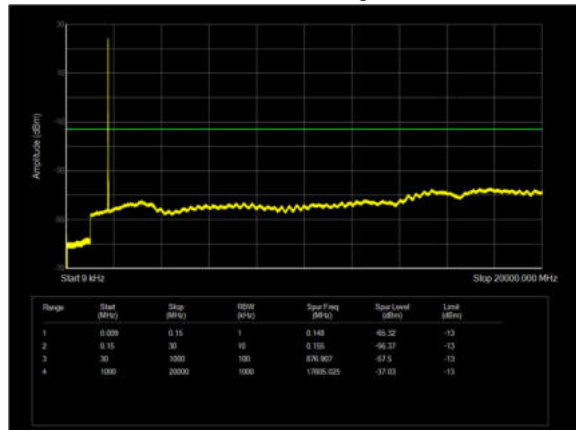
LTE Band 4 10MHz CH- Middle 9kHz~20GHz



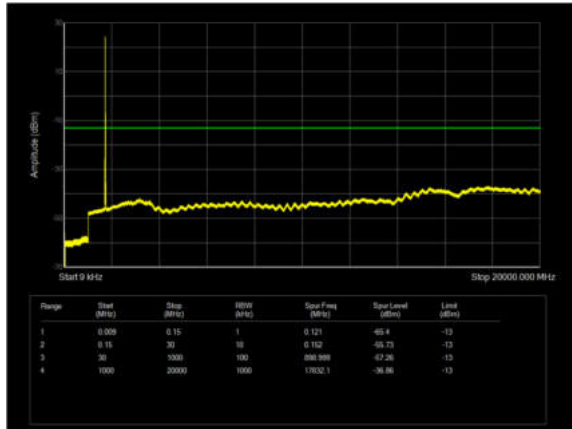
LTE Band 4 5MHz CH-High 9kHz~20GHz



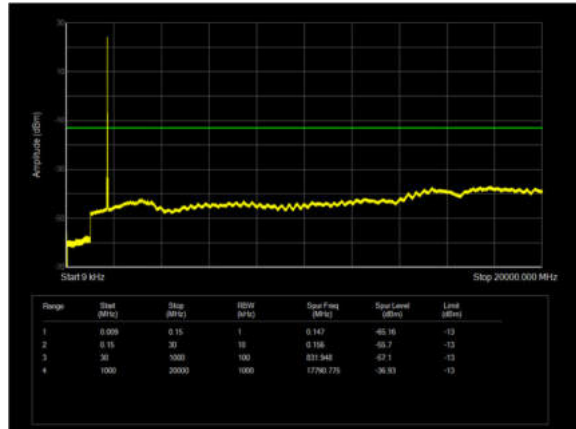
LTE Band 4 10MHz CH- High 9kHz~20GHz



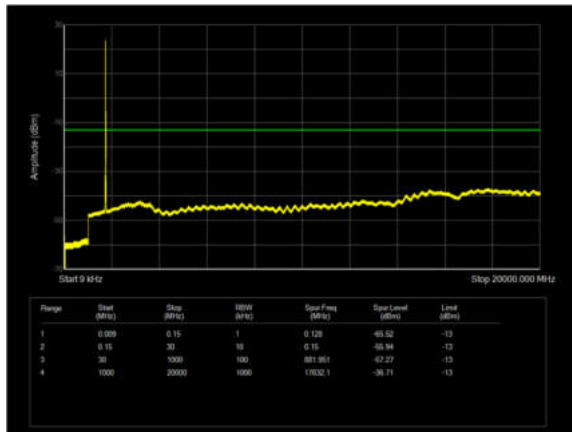
LTE Band 4 15MHz CH- Low 9kHz~20GHz



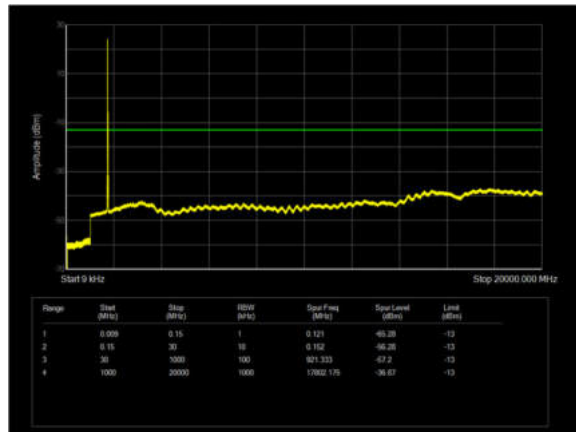
LTE Band 4 20MHz CH-Low 9kHz~20GHz



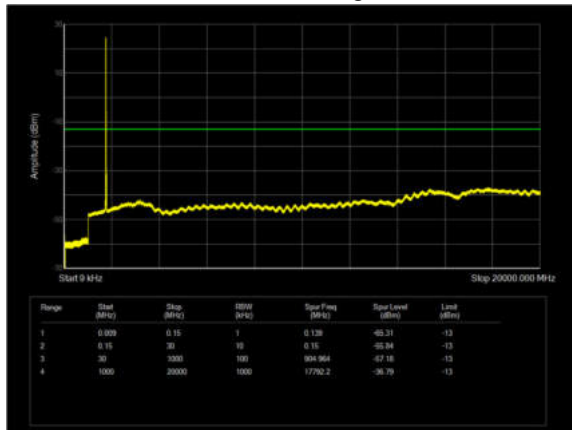
LTE Band 4 15MHz CH- Middle 9kHz~20GHz



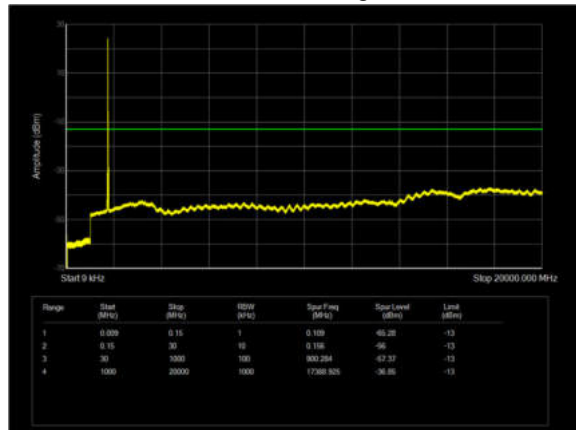
LTE Band 4 20MHz CH- Middle 9kHz~20GHz



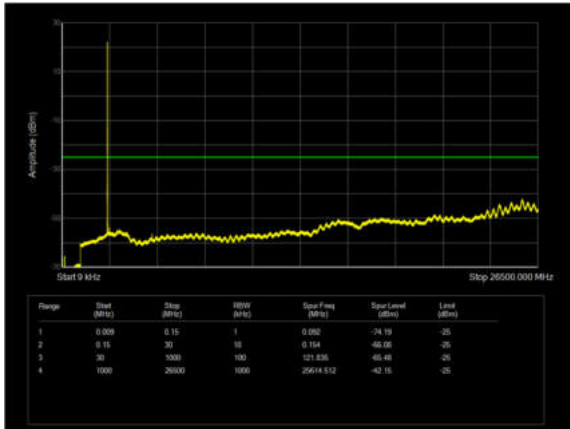
LTE Band 4 15MHz CH-High 9kHz~20GHz



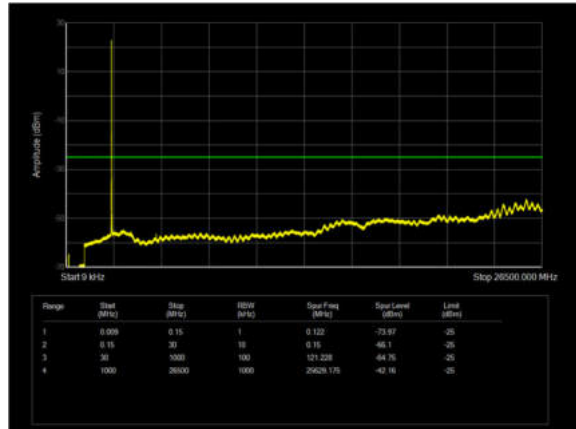
LTE Band 4 20MHz CH- High 9kHz~20GHz



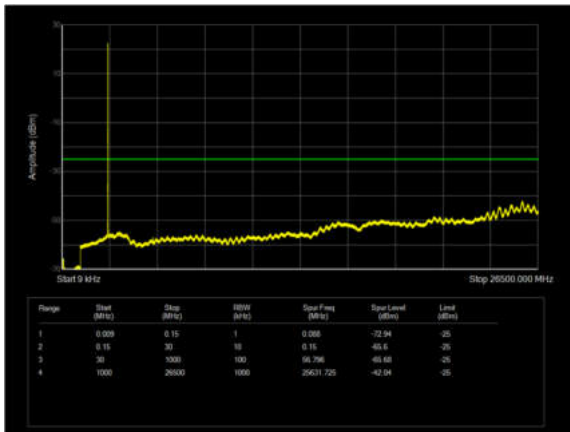
LTE Band 7 5MHz CH- Low 9kHz~20GHz



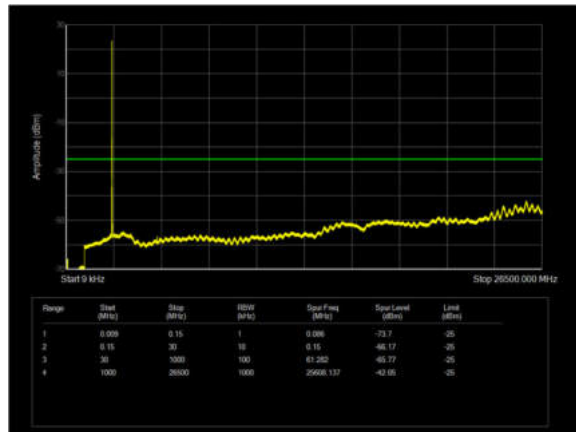
LTE Band 7 10MHz CH-Low 9kHz~20GHz



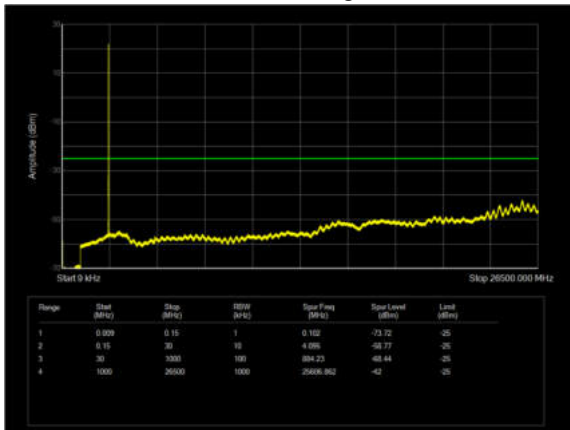
LTE Band 7 5MHz CH- Middle 9kHz~20GHz



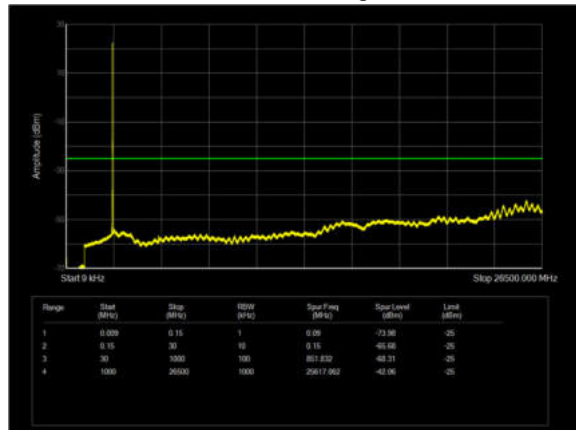
LTE Band 7 10MHz CH- Middle 9kHz~20GHz



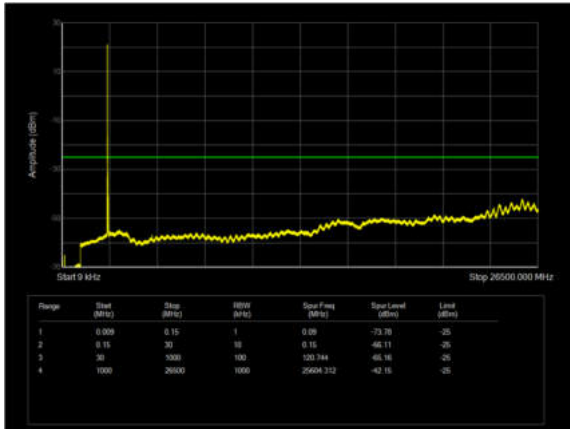
LTE Band 7 5MHz CH-High 9kHz~20GHz



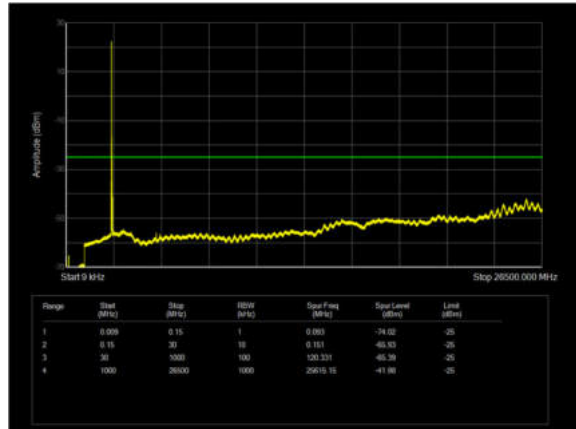
LTE Band 7 10MHz CH- High 9kHz~20GHz



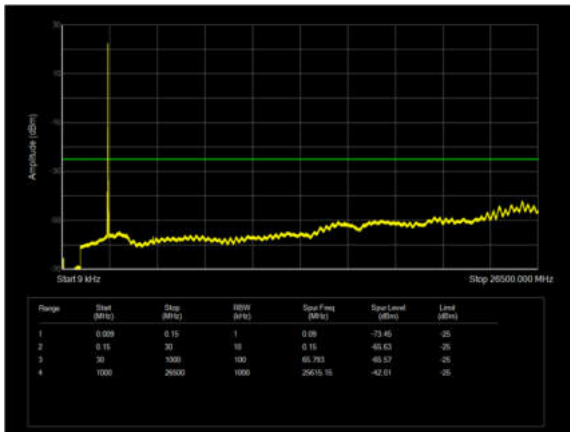
LTE Band 7 15MHz CH- Low 9kHz~20GHz



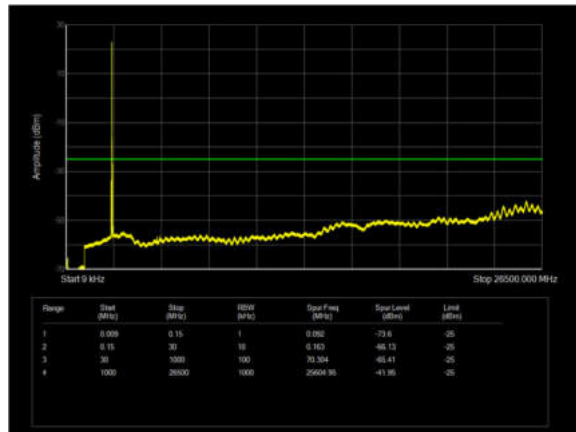
LTE Band 7 20MHz CH-Low 9kHz~20GHz



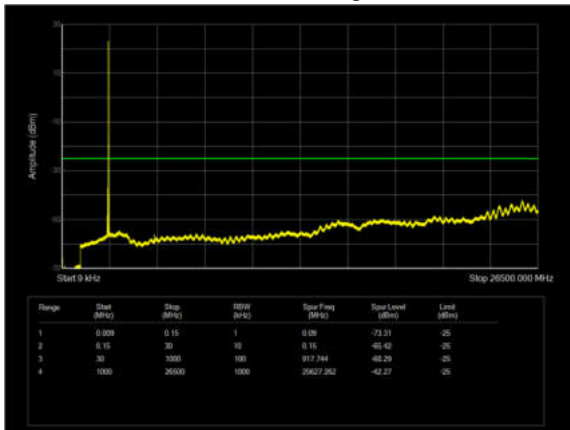
LTE Band 7 15MHz CH- Middle 9kHz~20GHz



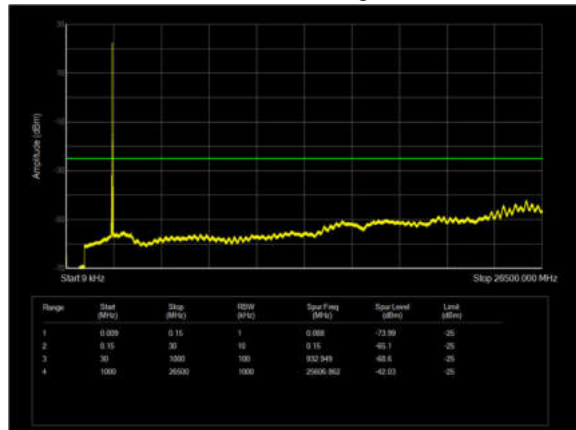
LTE Band 7 20MHz CH- Middle 9kHz~20GHz



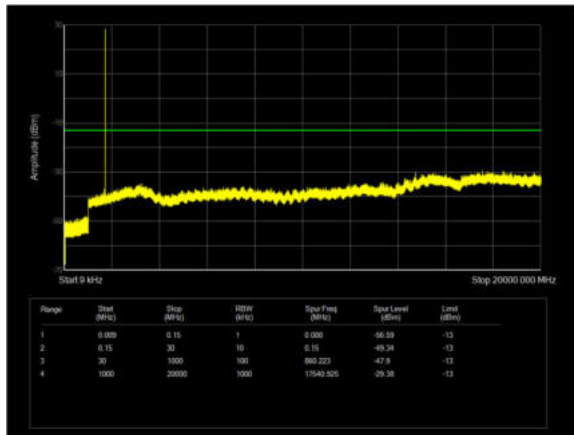
LTE Band 7 15MHz CH-High 9kHz~20GHz



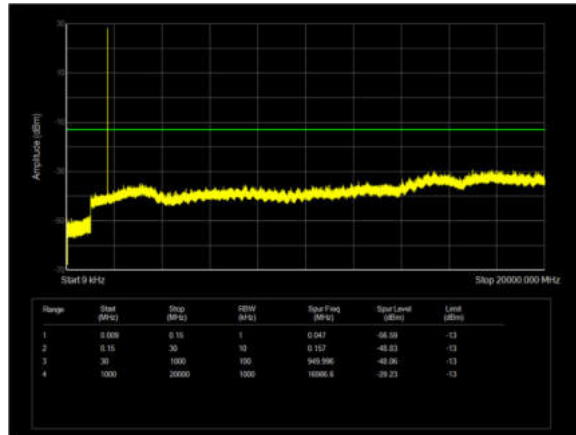
LTE Band 7 20MHz CH- High 9kHz~20GHz



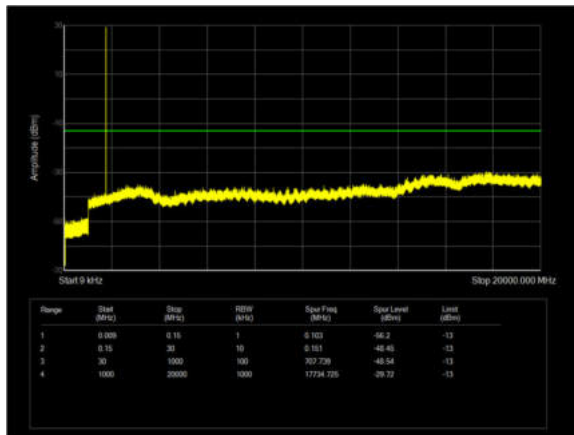
LTE Band 66 1.4MHz CH-Low 9kHz ~20GHz



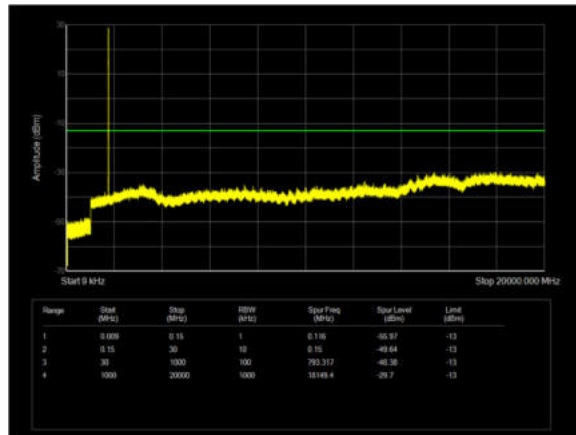
LTE Band 66 3MHz CH-Low 9kHz ~20GHz



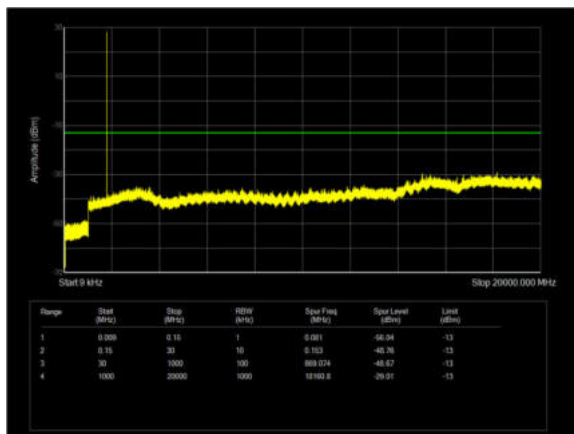
LTE Band 66 1.4MHz CH-Middle 9kHz ~20GHz



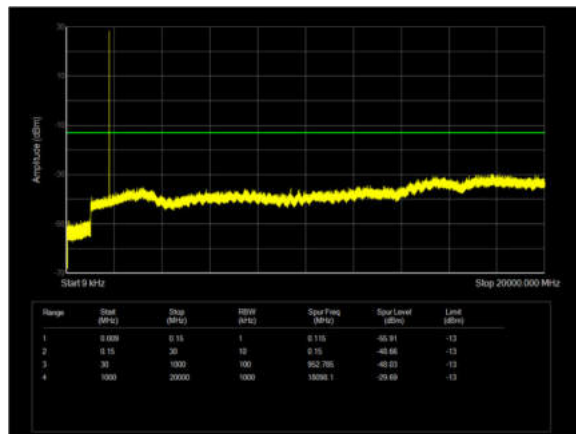
LTE Band 66 3MHz CH-Middle 9kHz ~20GHz



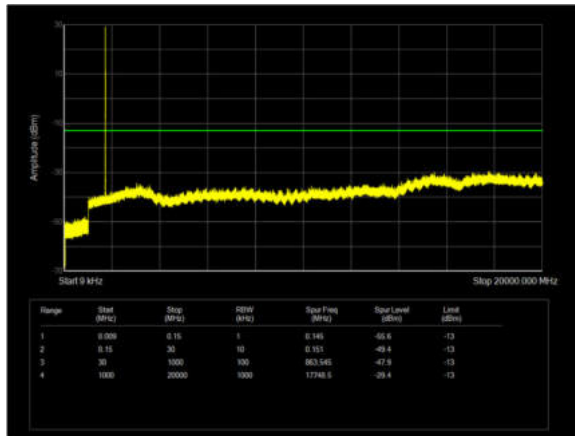
LTE Band 66 1.4MHz CH-High 9kHz ~20GHz



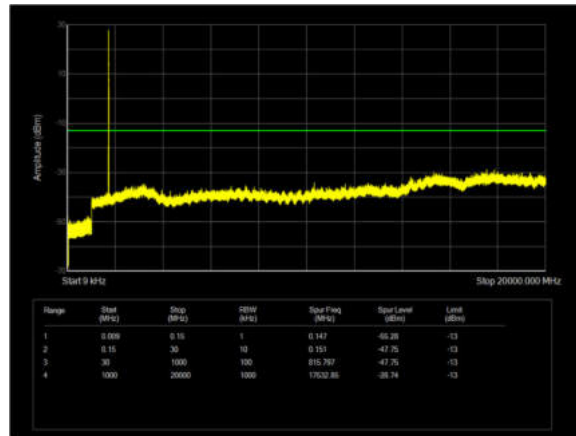
LTE Band 66 3MHz CH-High 9kHz ~20GHz



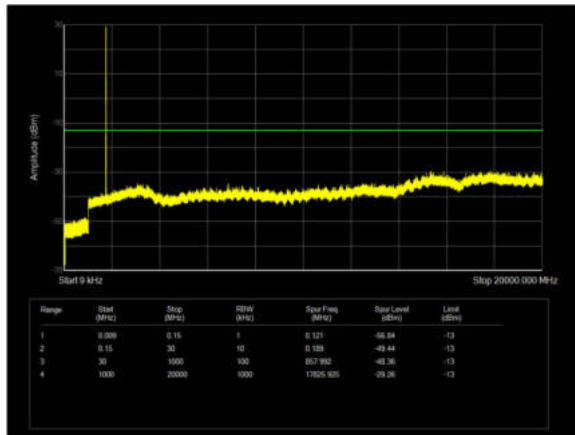
LTE Band 66 5MHz CH-Low 9kHz ~20GHz



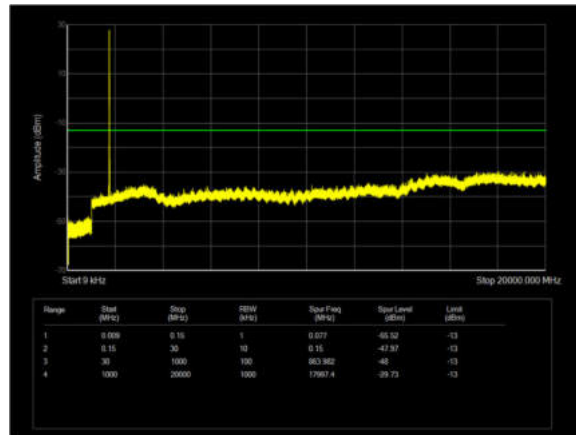
LTE Band 66 10MHz CH-Low 9kHz ~20GHz



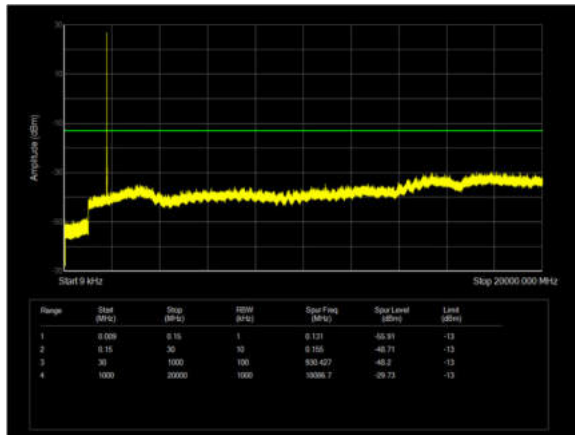
LTE Band 66 5MHz CH-Middle 9kHz ~20GHz



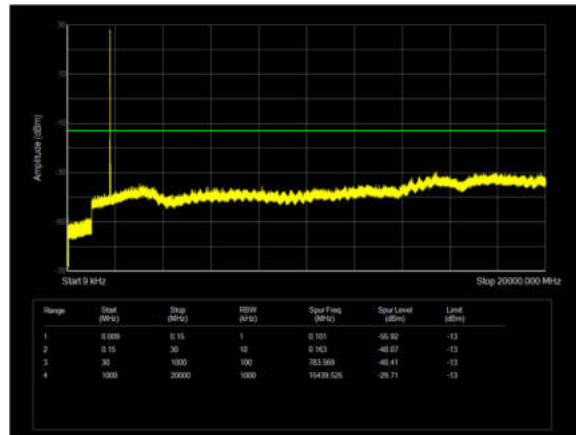
LTE Band 66 10MHz CH-Middle 9kHz ~20GHz



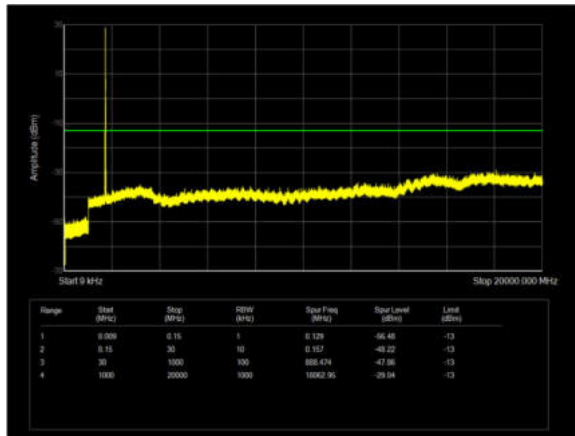
LTE Band 66 5MHz CH-High 9kHz ~20GHz



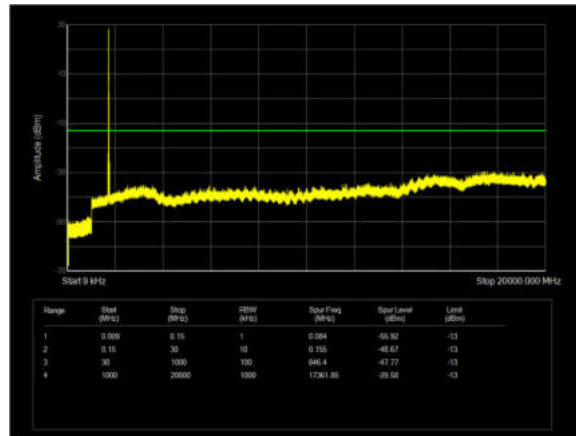
LTE Band 66 10MHz CH-High 9kHz ~20GHz



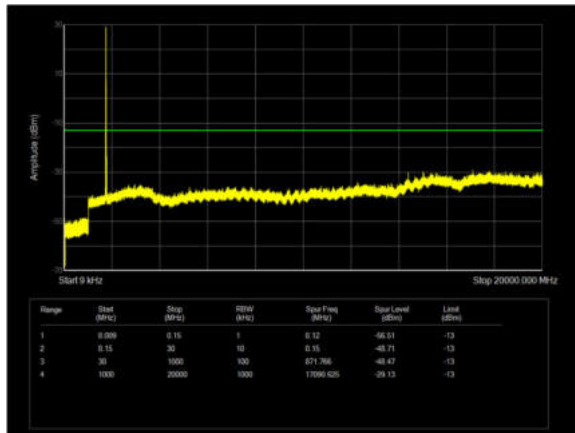
LTE Band 66 15MHz CH-Low 9kHz ~20GHz



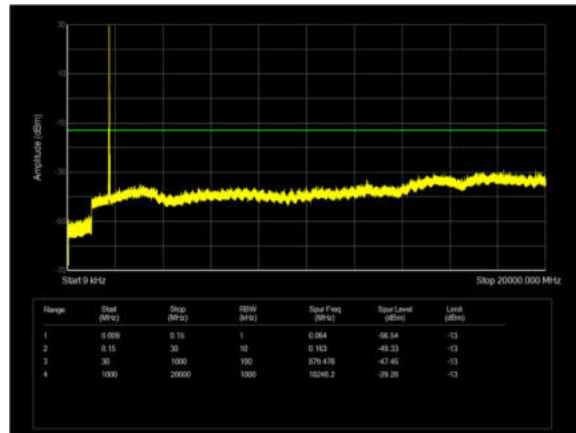
LTE Band 66 20MHz CH-Low 9kHz ~20GHz



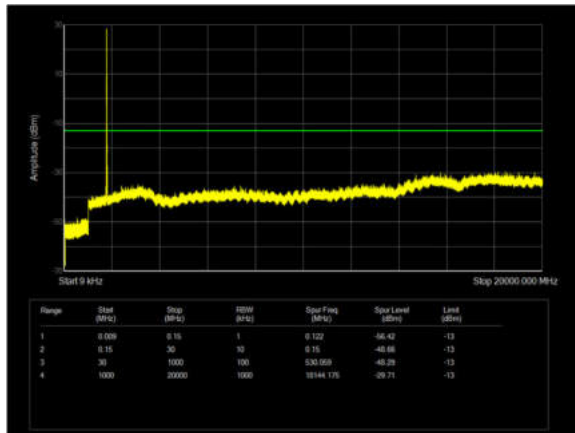
LTE Band 66 15MHz CH-Middle 9kHz ~20GHz



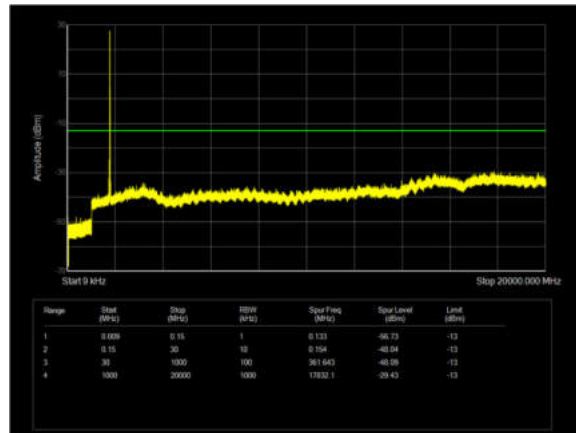
LTE Band 66 20MHz CH-Middle 9kHz ~20GHz



LTE Band 66 15MHz CH-High 9kHz ~20GHz



LTE Band 66 20MHz CH-High 9kHz ~20GHz



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	Result Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3464.25	-60.63	2.70	12.70	Vertical	-50.63	-13.00	37.63	50
3	5196.00	-59.67	3.20	12.50	Vertical	-50.37	-13.00	37.37	5
4	6930.00	-69.82	4.20	11.80	Vertical	-62.22	-13.00	49.22	20
5	8660.40	-61.31	4.40	12.50	Vertical	-53.21	-13.00	40.21	30
6	10405.00	-62.36	4.70	11.30	Vertical	-55.76	-13.00	42.76	45
7	12124.00	-64.46	5.20	13.80	Vertical	-55.86	-13.00	42.86	60
8	13865.60	-57.43	5.70	11.30	Vertical	-51.83	-13.00	38.83	80
9	15593.60	-70.07	6.10	16.80	Vertical	-59.37	-13.00	46.37	5
10	17336.20	-61.78	6.10	14.20	Vertical	-53.68	-13.00	40.68	0

Note: 1. The other Spurious RF Radiated emissions level is no more than noise floor.
2. The worst emission was found in the antenna is Vertical position.

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

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	Result Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3460.60	-60.39	2.70	12.70	Vertical	-50.39	-13.00	37.39	10
3	5191.50	-62.06	3.20	12.50	Vertical	-52.76	-13.00	39.76	50
4	6930.00	-70.08	4.20	11.80	Vertical	-62.48	-13.00	49.48	40
5	8651.80	-62.36	4.40	12.50	Vertical	-54.26	-13.00	41.26	20
6	10366.80	-62.42	4.70	11.30	Vertical	-55.82	-13.00	42.82	5
7	12112.20	-64.48	5.20	13.80	Vertical	-55.88	-13.00	42.88	0
8	13885.60	-57.14	5.70	11.30	Vertical	-51.54	-13.00	38.54	0
9	15580.00	-69.73	6.10	16.80	Vertical	-59.03	-13.00	46.03	10
10	17307.40	-61.35	6.10	14.20	Vertical	-53.25	-13.00	40.25	5

Note: 1. The other Spurious RF Radiated emissions level is no more than noise floor.
2. The worst emission was found in the antenna is Vertical position.

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

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	Result Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3447.75	-59.88	2.70	12.70	Vertical	-49.88	-13.00	36.88	41
3	5170.88	-64.28	3.20	12.50	Vertical	-54.98	-13.00	41.98	223
4	6930.00	-70.24	4.20	11.80	Vertical	-62.64	-13.00	49.64	41
5	8662.50	-64.98	4.40	12.50	Vertical	-56.88	-13.00	43.88	223
6	10395.00	-62.10	4.70	11.30	Vertical	-55.50	-13.00	42.50	14
7	12127.50	-64.80	5.20	13.80	Vertical	-56.20	-13.00	43.20	76
8	13860.00	-58.60	5.70	11.30	Vertical	-53.00	-13.00	40.00	135
9	15592.50	-69.89	6.10	16.80	Vertical	-59.19	-13.00	46.19	25
10	17325.00	-61.91	6.10	14.20	Vertical	-53.81	-13.00	40.81	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 Vertical position.									

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

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	Result Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5065.80	-61.61	3.40	12.50	Vertical	-52.51	-25.00	27.51	0
3	7598.60	-55.02	4.40	12.20	Vertical	-47.22	-25.00	22.22	50
4	10130.63	-49.84	4.70	11.30	Vertical	-43.24	-25.00	18.24	20
5	12675.00	-49.29	5.40	13.20	Vertical	-41.49	-25.00	16.49	30
6	15210.00	-48.71	6.10	13.10	Vertical	-41.71	-25.00	16.71	0
7	17745.00	-52.62	6.10	14.20	Vertical	-44.52	-25.00	19.52	0
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	Result Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5052.20	-61.85	3.40	12.50	Vertical	-52.75	-25.00	27.75	0
3	7578.30	-54.52	4.40	12.20	Vertical	-46.72	-25.00	21.72	5
4	10104.40	-49.55	4.70	11.30	Vertical	-42.95	-25.00	17.95	10
5	12630.50	-53.16	5.40	13.20	Vertical	-45.36	-25.00	20.36	10
6	15156.60	-52.79	6.10	13.10	Vertical	-45.79	-25.00	20.79	45
7	17745.00	-52.65	6.10	14.20	Vertical	-44.55	-25.00	19.55	60
8	20208.80	--	--	--	--	--	--	--	--
9	22734.90	--	--	--	--	--	--	--	--
10	25261.00	--	--	--	--	--	--	--	--

Note: 1. The other Spurious RF Radiated emissions level is no more than noise floor.

2. The worst emission was found in the antenna is Vertical position.

LTE Band 66 QPSK 1.4MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	Result Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3509.25	-56.61	2.70	12.70	Vertical	-46.61	-13.00	33.61	5
3	5262.50	-58.11	3.20	12.50	Vertical	-48.81	-13.00	35.81	10
4	7018.00	-70.90	4.20	11.80	Vertical	-63.30	-13.00	50.30	5
5	8772.50	-61.32	4.40	12.50	Vertical	-53.22	-13.00	40.22	10
6	10527.00	-63.26	4.70	11.80	Vertical	-56.16	-13.00	43.16	60
7	12281.50	-63.74	5.20	13.80	Vertical	-55.14	-13.00	42.14	45
8	14036.00	-59.84	5.70	13.20	Vertical	-52.34	-13.00	39.34	10
9	15790.50	-69.20	6.10	16.80	Vertical	-58.50	-13.00	45.50	0
10	17545.00	-63.12	6.10	14.20	Vertical	-55.02	-13.00	42.02	0

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 66 QPSK 5MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	Result Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3486.00	-57.65	2.70	12.70	Vertical	-47.65	-13.00	34.65	10
3	5229.00	-59.07	3.20	12.50	Vertical	-49.77	-13.00	36.77	20
4	6972.00	-70.76	4.20	11.80	Vertical	-63.16	-13.00	50.16	85
5	8715.00	-62.13	4.40	12.50	Vertical	-54.03	-13.00	41.03	20
6	10458.00	-62.39	4.70	11.80	Vertical	-55.29	-13.00	42.29	30
7	12201.00	-63.16	5.20	13.80	Vertical	-54.56	-13.00	41.56	52
8	13944.00	-59.74	5.70	13.20	Vertical	-52.24	-13.00	39.24	25
9	15687.00	-69.66	6.10	16.80	Vertical	-58.96	-13.00	45.96	0
10	17430.00	-64.07	6.10	14.20	Vertical	-55.97	-13.00	42.97	10

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 66 QPSK 20MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	Result Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3472.88	-63.00	2.70	12.70	Vertical	-53.00	-13.00	40.00	0
3	5209.00	-61.55	3.20	12.50	Vertical	-52.25	-13.00	39.25	0
4	6945.75	-70.37	4.20	11.80	Vertical	-62.77	-13.00	49.77	10
5	8682.00	-62.57	4.40	12.50	Vertical	-54.47	-13.00	41.47	5
6	10418.63	-63.32	4.70	11.80	Vertical	-56.22	-13.00	43.22	1
7	12455.00	-64.50	5.20	13.80	Vertical	-55.90	-13.00	42.90	10
8	13891.50	-59.78	5.70	13.20	Vertical	-52.28	-13.00	39.28	5
9	15627.00	-69.98	6.10	16.80	Vertical	-59.28	-13.00	46.28	0
10	17364.38	-64.88	6.10	14.20	Vertical	-56.78	-13.00	43.78	0

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
Climate Chamber	WEISS	VT 4002	58226119450010	2024-05-07	2025-05-06
Wireless Communication Tester	R&S	CMW500	150415	2024-05-07	2025-05-06
Spectrum Analyzer	Keysight	N9020A	MY50510203	2024-05-07	2025-05-06
DC Power Supply	UNI-T	UTP1310+	C220795889	2024-05-08	2025-05-07
Spectrum Analyzer	R&S	FSV3030	101411	2023-12-05	2024-12-04
Attenuator	HASCO	HA18A-10	0003	/	/
Radiated Spurious Emission					
Spectrum Analyzer	R&S	FSV30	104028	2024-05-07	2025-05-06
TRILOG Broadband Antenna	SCHWARZBECK	VULB 9163	391	2022-09-29	2025-09-28
Horn Antenna	SCHWARZBECK	BBHA 9120D	01799	2022-09-01	2025-08-31
Software	R&S	EMC32	10.35.10	/	/

ANNEX A: The EUT Appearance

The EUT Appearance are submitted separately.

ANNEX B: Test Setup Photos

The Test Setup Photos are submitted separately.

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