



Extreme (30℃)		9.67	2.69	7.84	14.67	17.69	0.00276	0.00077	0.00224	0.00419	0.00505	PASS
Extreme (20℃)		15.79	15.09	6.85	5.79	15.09	0.00451	0.00431	0.00196	0.00165	0.00431	PASS
Extreme (10℃)		4.29	4.86	6.86	9.29	17.86	0.00122	0.00139	0.00196	0.00265	0.00510	PASS
Extreme (0℃)		4.38	14.42	7.04	9.38	1.42	0.00125	0.00412	0.00201	0.00268	0.00041	PASS
Extreme (-10℃)		2.04	12.94	14.08	12.04	8.94	0.00058	0.00370	0.00402	0.00344	0.00256	PASS
Extreme (-20℃)		13.17	14.22	6.84	2.17	15.22	0.00376	0.00406	0.00195	0.00062	0.00435	PASS
Extreme (-30℃)		10.60	15.01	17.25	11.60	17.01	0.00303	0.00429	0.00493	0.00331	0.00486	PASS
25℃	LV	1.44	1.87	1.61	11.44	11.87	0.00041	0.00053	0.00046	0.00327	0.00339	PASS
	HV	6.80	12.43	3.74	2.80	7.43	0.00194	0.00355	0.00107	0.00080	0.00212	PASS
Condition		Freq.Error	Freq.Error	Freq.Error	Freq.Error	Freq.Error	Frequency Stability	Frequency Stability	Frequency Stability	Frequency Stability	Frequency Stability	Verdict
BANDWIDTH	15MHz	(Hz)	(Hz)	(Hz)	(Hz)	(Hz)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	
Temperature	Voltage	256QAM	BPSK	64QAM	16QAM	QPSK	256QAM	BPSK	64QAM	16QAM	QPSK	
Normal (25℃)	Normal	4.12	3.25	15.36	2.12	16.25	0.00118	0.00093	0.00439	0.00061	0.00464	PASS
Extreme (50℃)		5.21	11.25	10.90	8.21	2.25	0.00149	0.00321	0.00312	0.00235	0.00064	PASS
Extreme (40℃)		3.79	4.90	12.25	11.79	7.90	0.00108	0.00140	0.00350	0.00337	0.00226	PASS
Extreme (30℃)		7.63	6.60	4.31	6.63	17.60	0.00218	0.00189	0.00123	0.00189	0.00503	PASS
Extreme (20℃)		13.23	5.21	7.43	17.23	17.21	0.00378	0.00149	0.00212	0.00492	0.00492	PASS
Extreme (10℃)		10.78	8.36	2.25	17.78	1.36	0.00308	0.00239	0.00064	0.00508	0.00039	PASS
Extreme (0℃)		11.61	1.41	17.08	6.61	15.41	0.00332	0.00040	0.00488	0.00189	0.00440	PASS
Extreme (-10℃)		9.43	5.07	1.17	1.43	10.07	0.00269	0.00145	0.00033	0.00041	0.00288	PASS
Extreme (-20℃)		2.34	2.57	2.80	12.34	8.57	0.00067	0.00073	0.00080	0.00353	0.00245	PASS
Extreme (-30℃)		3.32	4.29	2.40	11.32	3.29	0.00095	0.00123	0.00069	0.00323	0.00094	PASS
25℃	LV	1.40	3.45	5.45	2.40	15.45	0.00040	0.00098	0.00156	0.00069	0.00441	PASS
	HV	9.09	17.29	2.88	12.09	17.29	0.00260	0.00494	0.00082	0.00345	0.00494	PASS
Condition		Freq.Error	Freq.Error	Freq.Error	Freq.Error	Freq.Error	Frequency Stability	Frequency Stability	Frequency Stability	Frequency Stability	Frequency Stability	Verdict
BANDWIDTH	20MHz	(Hz)	(Hz)	(Hz)	(Hz)	(Hz)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	
Temperature	Voltage	256QAM	BPSK	64QAM	16QAM	QPSK	256QAM	BPSK	64QAM	16QAM	QPSK	
Normal (25℃)	Normal	9.72	17.65	8.25	17.72	14.65	0.00278	0.00504	0.00236	0.00506	0.00418	PASS
Extreme (50℃)		12.63	17.15	4.96	10.63	3.15	0.00361	0.00490	0.00142	0.00304	0.00090	PASS
Extreme (40℃)		3.09	5.07	5.38	4.09	3.07	0.00088	0.00145	0.00154	0.00117	0.00088	PASS
Extreme (30℃)		12.06	7.36	12.78	11.06	12.36	0.00345	0.00210	0.00365	0.00316	0.00353	PASS
Extreme (20℃)		13.23	16.42	4.51	2.23	14.42	0.00378	0.00469	0.00129	0.00064	0.00412	PASS
Extreme (10℃)		16.95	14.35	10.60	8.95	1.35	0.00484	0.00410	0.00303	0.00256	0.00038	PASS
Extreme (0℃)		8.15	14.66	15.20	4.15	15.66	0.00233	0.00419	0.00434	0.00119	0.00447	PASS
Extreme (-10℃)		10.48	1.73	10.43	1.48	9.73	0.00299	0.00049	0.00298	0.00042	0.00278	PASS
Extreme (-20℃)		10.84	12.82	6.73	8.84	17.82	0.00310	0.00366	0.00192	0.00253	0.00509	PASS
Extreme (-30℃)		11.42	4.32	4.83	4.42	1.32	0.00326	0.00123	0.00138	0.00126	0.00038	PASS
25℃	LV	7.25	7.16	14.81	14.25	17.16	0.00207	0.00205	0.00423	0.00407	0.00490	PASS
	HV	4.50	7.34	6.04	13.50	12.34	0.00128	0.00210	0.00173	0.00386	0.00353	PASS



Condition		Freq.Error	Freq.Error	Freq.Error	Freq.Error	Freq.Error	Frequency	Frequency	Frequency	Frequency	Frequency	Verdict
BANDWIDTH	40MHz	(Hz)	(Hz)	(Hz)	(Hz)	(Hz)	Stability (ppm)	Stability (ppm)	Stability (ppm)	Stability (ppm)	Stability (ppm)	
Temperature	Voltage	256QAM	BPSK	64QAM	16QAM	QPSK	256QAM	BPSK	64QAM	16QAM	QPSK	Verdict
Normal (25℃)	Normal	2.06	10.91	11.65	14.06	12.91	0.00059	0.00312	0.00333	0.00402	0.00369	
Extreme (50℃)		11.54	2.85	7.37	14.54	2.85	0.00330	0.00082	0.00211	0.00415	0.00082	PASS
Extreme (40℃)		10.35	10.47	14.97	7.35	7.47	0.00296	0.00299	0.00428	0.00210	0.00214	PASS
Extreme (30℃)		2.28	2.12	1.17	3.28	16.12	0.00065	0.00061	0.00033	0.00094	0.00461	PASS
Extreme (20℃)		16.39	8.42	4.47	2.39	9.42	0.00468	0.00241	0.00128	0.00068	0.00269	PASS
Extreme (10℃)		8.99	17.91	6.29	1.99	14.91	0.00257	0.00512	0.00180	0.00057	0.00426	PASS
Extreme (0℃)		11.70	9.76	7.47	9.70	3.76	0.00334	0.00279	0.00214	0.00277	0.00108	PASS
Extreme (-10℃)		17.16	11.46	10.85	13.16	17.46	0.00490	0.00328	0.00310	0.00376	0.00499	PASS
Extreme (-20℃)		10.36	8.97	11.92	16.36	12.97	0.00296	0.00256	0.00341	0.00467	0.00371	PASS
Extreme (-30℃)		17.09	11.70	11.49	16.09	2.70	0.00488	0.00334	0.00328	0.00460	0.00077	PASS
25℃	LV	16.47	13.25	11.93	4.47	4.25	0.00471	0.00379	0.00341	0.00128	0.00121	PASS
	HV	9.00	2.49	13.48	7.00	14.49	0.00257	0.00071	0.00385	0.00200	0.00414	PASS
Condition		Freq.Error	Freq.Error	Freq.Error	Freq.Error	Freq.Error	Frequency	Frequency	Frequency	Frequency	Frequency	Verdict
BANDWIDTH	50MHz	(Hz)	(Hz)	(Hz)	(Hz)	(Hz)	Stability (ppm)	Stability (ppm)	Stability (ppm)	Stability (ppm)	Stability (ppm)	
Temperature	Voltage	256QAM	BPSK	64QAM	16QAM	QPSK	256QAM	BPSK	64QAM	16QAM	QPSK	Verdict
Normal (25℃)	Normal	5.66	16.59	9.04	12.66	10.59	0.00162	0.00474	0.00258	0.00362	0.00303	
Extreme (50℃)		8.05	13.12	12.51	12.05	4.12	0.00230	0.00375	0.00357	0.00344	0.00118	PASS
Extreme (40℃)		14.77	16.14	12.58	6.77	3.14	0.00422	0.00461	0.00359	0.00193	0.00090	PASS
Extreme (30℃)		8.25	9.29	12.21	8.25	12.29	0.00236	0.00265	0.00349	0.00236	0.00351	PASS
Extreme (20℃)		6.13	8.20	3.14	13.13	17.20	0.00175	0.00234	0.00090	0.00375	0.00491	PASS
Extreme (10℃)		6.31	16.25	12.32	14.31	2.25	0.00180	0.00464	0.00352	0.00409	0.00064	PASS
Extreme (0℃)		1.63	11.89	3.15	17.63	12.89	0.00047	0.00340	0.00090	0.00504	0.00368	PASS
Extreme (-10℃)		2.67	5.92	11.42	12.67	6.92	0.00076	0.00169	0.00326	0.00362	0.00198	PASS
Extreme (-20℃)		5.68	3.42	11.04	9.68	11.42	0.00162	0.00098	0.00316	0.00277	0.00326	PASS
Extreme (-30℃)		3.73	3.56	7.82	14.73	12.56	0.00107	0.00102	0.00223	0.00421	0.00359	PASS
25℃	LV	6.81	5.07	15.99	7.81	13.07	0.00194	0.00145	0.00457	0.00223	0.00374	PASS
	HV	6.80	11.78	9.10	17.80	10.78	0.00194	0.00337	0.00260	0.00508	0.00308	PASS
Condition		Freq.Error	Freq.Error	Freq.Error	Freq.Error	Freq.Error	Frequency	Frequency	Frequency	Frequency	Frequency	Verdict
BANDWIDTH	60MHz	(Hz)	(Hz)	(Hz)	(Hz)	(Hz)	Stability (ppm)	Stability (ppm)	Stability (ppm)	Stability (ppm)	Stability (ppm)	
Temperature	Voltage	256QAM	BPSK	64QAM	16QAM	QPSK	256QAM	BPSK	64QAM	16QAM	QPSK	Verdict
Normal (25℃)	Normal	8.35	8.07	1.83	16.35	6.07	0.00239	0.00231	0.00052	0.00467	0.00173	
Extreme (50℃)		5.22	8.56	1.39	5.22	10.56	0.00149	0.00244	0.00040	0.00149	0.00302	PASS
Extreme (40℃)		9.40	7.93	11.43	9.40	13.93	0.00269	0.00226	0.00327	0.00269	0.00398	PASS
Extreme (30℃)		15.56	8.65	3.49	12.56	5.65	0.00445	0.00247	0.00100	0.00359	0.00161	PASS
Extreme (20℃)		4.45	12.36	9.85	17.45	10.36	0.00127	0.00353	0.00282	0.00498	0.00296	PASS



Extreme (10℃)		11.52	1.67	14.52	7.52	3.67	0.00329	0.00048	0.00415	0.00215	0.00105	PASS
Extreme (0℃)		6.14	6.20	6.36	9.14	13.20	0.00175	0.00177	0.00182	0.00261	0.00377	PASS
Extreme (-10℃)		7.18	7.72	3.48	15.18	12.72	0.00205	0.00221	0.00099	0.00434	0.00363	PASS
Extreme (-20℃)		12.90	9.67	15.72	16.90	6.67	0.00368	0.00276	0.00449	0.00483	0.00191	PASS
Extreme (-30℃)		15.92	14.27	14.12	15.92	10.27	0.00455	0.00408	0.00404	0.00455	0.00293	PASS
25℃	LV	6.07	17.46	15.48	1.07	5.46	0.00173	0.00499	0.00442	0.00030	0.00156	PASS
	HV	12.66	16.35	16.05	15.66	14.35	0.00362	0.00467	0.00459	0.00447	0.00410	PASS
Condition		Freq.Error	Freq.Error	Freq.Error	Freq.Error	Freq.Error	Frequency	Frequency	Frequency	Frequency	Frequency	Verdict
BANDWIDTH	70MHz	(Hz)	(Hz)	(Hz)	(Hz)	(Hz)	Stability (ppm)	Stability (ppm)	Stability (ppm)	Stability (ppm)	Stability (ppm)	
Temperature	Voltage	256QAM	BPSK	64QAM	16QAM	QPSK	256QAM	BPSK	64QAM	16QAM	QPSK	
Normal (25℃)	Normal	16.95	11.83	4.76	12.95	14.83	0.00484	0.00338	0.00136	0.00370	0.00424	PASS
Extreme (50℃)		14.61	8.99	15.62	4.61	6.99	0.00417	0.00257	0.00446	0.00132	0.00200	PASS
Extreme (40℃)		15.29	14.80	1.85	10.29	11.80	0.00437	0.00423	0.00053	0.00294	0.00337	PASS
Extreme (30℃)		2.55	10.90	7.85	1.55	2.90	0.00073	0.00311	0.00224	0.00044	0.00083	PASS
Extreme (20℃)		15.65	12.93	2.09	10.65	11.93	0.00447	0.00369	0.00060	0.00304	0.00341	PASS
Extreme (10℃)		2.79	15.35	2.40	7.79	15.35	0.00080	0.00439	0.00068	0.00223	0.00439	PASS
Extreme (0℃)		1.64	17.23	15.90	3.64	10.23	0.00047	0.00492	0.00454	0.00104	0.00292	PASS
Extreme (-10℃)		12.92	8.17	16.05	5.92	1.17	0.00369	0.00233	0.00459	0.00169	0.00033	PASS
Extreme (-20℃)		10.23	16.17	5.80	5.23	5.17	0.00292	0.00462	0.00166	0.00149	0.00148	PASS
Extreme (-30℃)		11.59	1.98	11.63	14.59	13.98	0.00331	0.00057	0.00332	0.00417	0.00400	PASS
25℃	LV	15.24	17.14	2.48	7.24	10.14	0.00436	0.00490	0.00071	0.00207	0.00290	PASS
	HV	15.55	13.44	11.60	8.55	8.44	0.00444	0.00384	0.00331	0.00244	0.00241	PASS
Condition		Freq.Error	Freq.Error	Freq.Error	Freq.Error	Freq.Error	Frequency	Frequency	Frequency	Frequency	Frequency	Verdict
BANDWIDTH	80MHz	(Hz)	(Hz)	(Hz)	(Hz)	(Hz)	Stability (ppm)	Stability (ppm)	Stability (ppm)	Stability (ppm)	Stability (ppm)	
Temperature	Voltage	256QAM	BPSK	64QAM	16QAM	QPSK	256QAM	BPSK	64QAM	16QAM	QPSK	
Normal (25℃)	Normal	9.15	6.57	10.21	11.15	5.57	0.00261	0.00188	0.00292	0.00319	0.00159	PASS
Extreme (50℃)		12.16	1.05	9.02	4.16	14.05	0.00347	0.00030	0.00258	0.00119	0.00401	PASS
Extreme (40℃)		15.60	10.88	17.57	12.60	7.88	0.00446	0.00311	0.00502	0.00360	0.00225	PASS
Extreme (30℃)		5.70	16.21	14.15	3.70	11.21	0.00163	0.00463	0.00404	0.00106	0.00320	PASS
Extreme (20℃)		6.62	9.97	1.88	14.62	15.97	0.00189	0.00285	0.00054	0.00418	0.00456	PASS
Extreme (10℃)		8.86	15.07	13.53	12.86	6.07	0.00253	0.00431	0.00386	0.00367	0.00174	PASS
Extreme (0℃)		13.38	17.15	7.59	2.38	4.15	0.00382	0.00490	0.00217	0.00068	0.00119	PASS
Extreme (-10℃)		14.57	16.15	2.59	15.57	10.15	0.00416	0.00461	0.00074	0.00445	0.00290	PASS
Extreme (-20℃)		13.06	4.50	6.57	1.06	9.50	0.00373	0.00129	0.00188	0.00030	0.00271	PASS
Extreme (-30℃)		2.53	8.90	13.67	8.53	9.90	0.00072	0.00254	0.00391	0.00244	0.00283	PASS
25℃	LV	14.72	13.71	17.43	8.72	7.71	0.00421	0.00392	0.00498	0.00249	0.00220	PASS
	HV	5.01	5.57	9.59	3.01	12.57	0.00143	0.00159	0.00274	0.00086	0.00359	PASS
Condition		Freq.Error	Freq.Error	Freq.Error	Freq.Error	Freq.Error	Frequency	Frequency	Frequency	Frequency	Frequency	Verdict
		(Hz)	(Hz)	(Hz)	(Hz)	(Hz)	Stability	Stability	Stability	Stability	Stability	

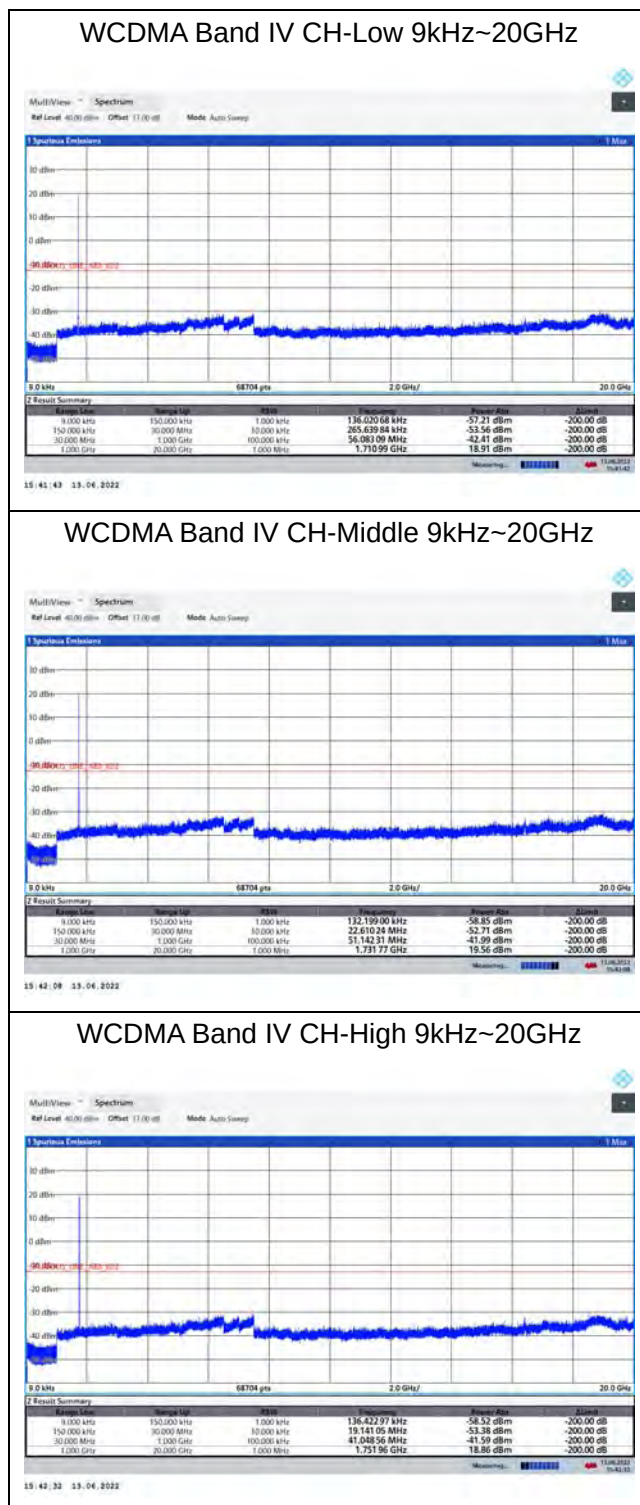


BANDWIDTH	90MHz						(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	
Temperature	Voltage	256QAM	BPSK	64QAM	16QAM	QPSK	256QAM	BPSK	64QAM	16QAM	QPSK	
Normal (25℃)	Normal	2.05	13.53	1.18	10.05	12.53	0.00058	0.00387	0.00034	0.00287	0.00358	PASS
Extreme (50℃)		10.64	3.80	9.53	3.64	16.80	0.00304	0.00108	0.00272	0.00104	0.00480	PASS
Extreme (40℃)		2.69	10.50	16.15	12.69	1.50	0.00077	0.00300	0.00461	0.00363	0.00043	PASS
Extreme (30℃)		4.20	4.03	12.95	7.20	9.03	0.00120	0.00115	0.00370	0.00206	0.00258	PASS
Extreme (20℃)		15.20	5.44	17.67	15.20	16.44	0.00434	0.00155	0.00505	0.00434	0.00470	PASS
Extreme (10℃)		7.48	10.63	5.05	12.48	16.63	0.00214	0.00304	0.00144	0.00356	0.00475	PASS
Extreme (0℃)		6.03	5.98	17.54	12.03	15.98	0.00172	0.00171	0.00501	0.00344	0.00456	PASS
Extreme (-10℃)		14.10	15.49	1.51	10.10	4.49	0.00403	0.00443	0.00043	0.00289	0.00128	PASS
Extreme (-20℃)		4.92	15.48	17.90	9.92	4.48	0.00141	0.00442	0.00511	0.00284	0.00128	PASS
Extreme (-30℃)		9.53	11.76	14.87	12.53	2.76	0.00272	0.00336	0.00425	0.00358	0.00079	PASS
25℃	LV	4.41	16.80	6.28	6.41	17.80	0.00126	0.00480	0.00179	0.00183	0.00509	PASS
	HV	6.45	16.09	9.55	11.45	4.09	0.00184	0.00460	0.00273	0.00327	0.00117	PASS
Condition		Freq.Error	Freq.Error	Freq.Error	Freq.Error	Freq.Error	Frequency Stability	Frequency Stability	Frequency Stability	Frequency Stability	Frequency Stability	Verdict
BANDWIDTH	100MHz	(Hz)	(Hz)	(Hz)	(Hz)	(Hz)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	
Temperature	Voltage	256QAM	BPSK	64QAM	16QAM	QPSK	256QAM	BPSK	64QAM	16QAM	QPSK	
Normal (25℃)	Normal	15.24	17.82	3.58	15.24	5.82	0.00435	0.00509	0.00102	0.00435	0.00166	PASS
Extreme (50℃)		1.14	15.59	15.24	10.14	12.59	0.00032	0.00445	0.00435	0.00290	0.00360	PASS
Extreme (40℃)		3.06	9.52	17.15	14.06	7.52	0.00087	0.00272	0.00490	0.00402	0.00215	PASS
Extreme (30℃)		6.71	2.47	1.83	2.71	4.47	0.00192	0.00071	0.00052	0.00078	0.00128	PASS
Extreme (20℃)		5.65	12.85	1.22	17.65	9.85	0.00161	0.00367	0.00035	0.00504	0.00281	PASS
Extreme (10℃)		13.36	3.93	12.48	17.36	10.93	0.00382	0.00112	0.00357	0.00496	0.00312	PASS
Extreme (0℃)		8.65	6.39	9.61	10.65	9.39	0.00247	0.00183	0.00274	0.00304	0.00268	PASS
Extreme (-10℃)		11.79	11.64	2.79	8.79	12.64	0.00337	0.00333	0.00080	0.00251	0.00361	PASS
Extreme (-20℃)		7.06	4.09	10.71	2.06	9.09	0.00202	0.00117	0.00306	0.00059	0.00260	PASS
Extreme (-30℃)		16.48	13.57	17.43	15.48	9.57	0.00471	0.00388	0.00498	0.00442	0.00273	PASS
25℃	LV	14.18	8.71	17.31	9.18	3.71	0.00405	0.00249	0.00495	0.00262	0.00106	PASS
	HV	4.55	5.66	11.52	10.55	5.66	0.00130	0.00162	0.00329	0.00302	0.00162	PASS

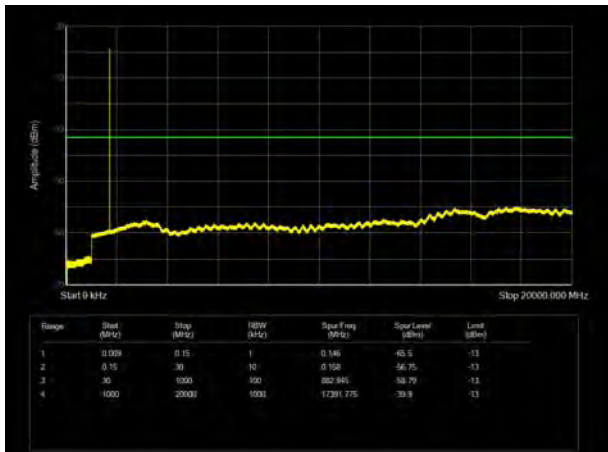
6.6 Spurious Emissions at Antenna Terminals

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

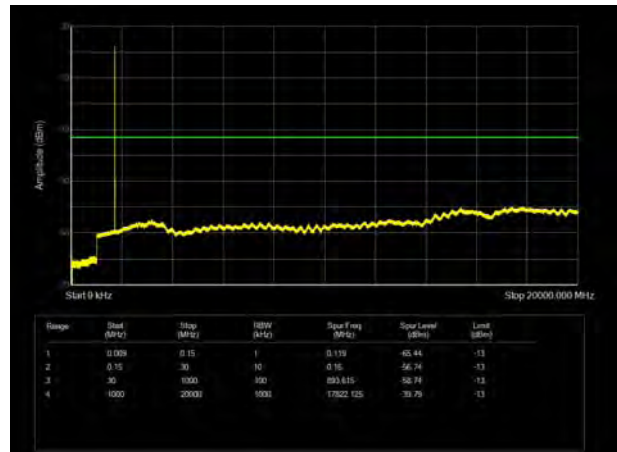
The signal beyond the limit is carrier.



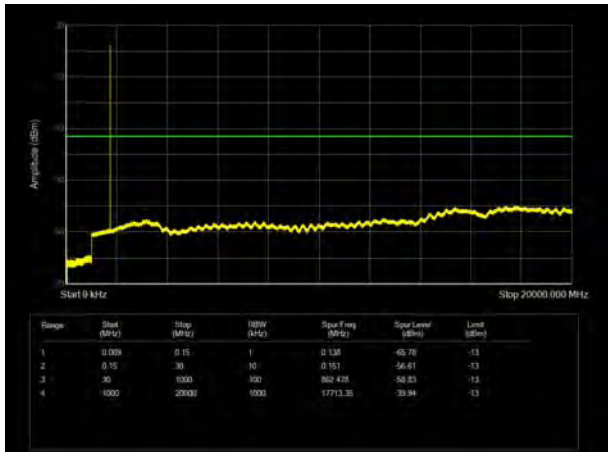
LTE Band 4 1.4MHz CH-Low 9kHz~20GHz



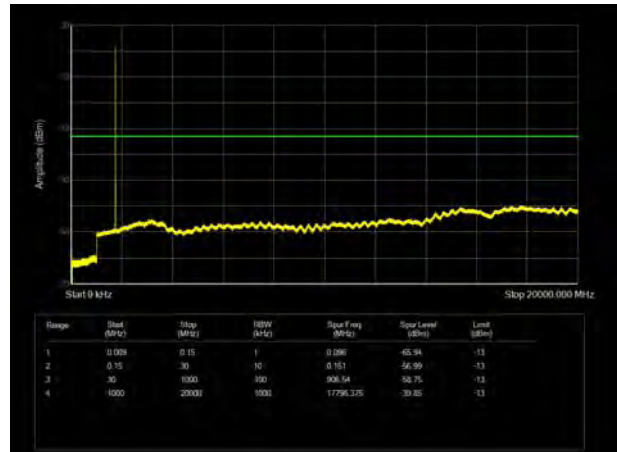
LTE Band 4 3MHz CH- Low 9kHz~20GHz



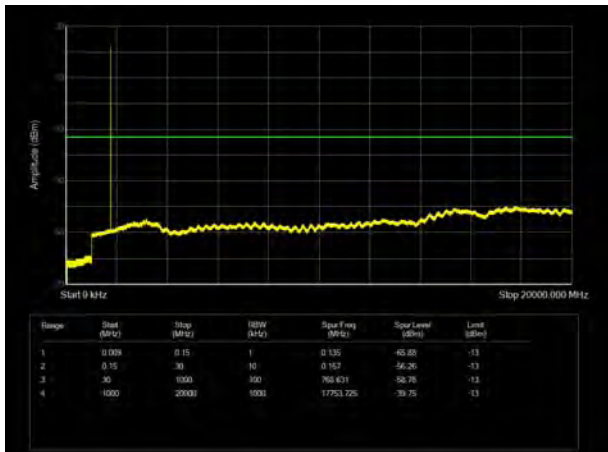
LTE Band 4 1.4MHz CH- Middle 9kHz~20GHz



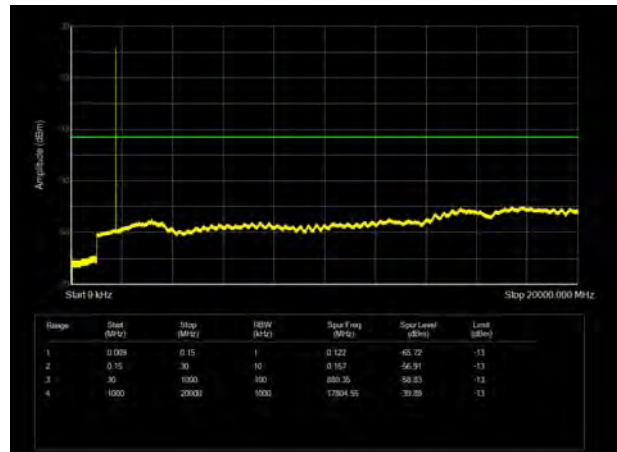
LTE Band 4 3MHz CH- Middle 9kHz~20GHz



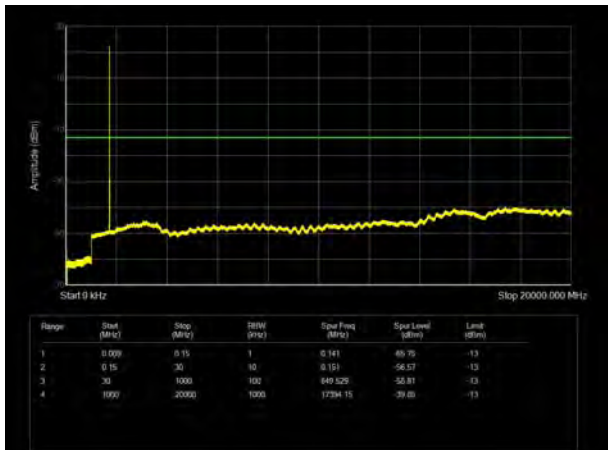
LTE Band 4 1.4MHz CH- High 9kHz~20GHz



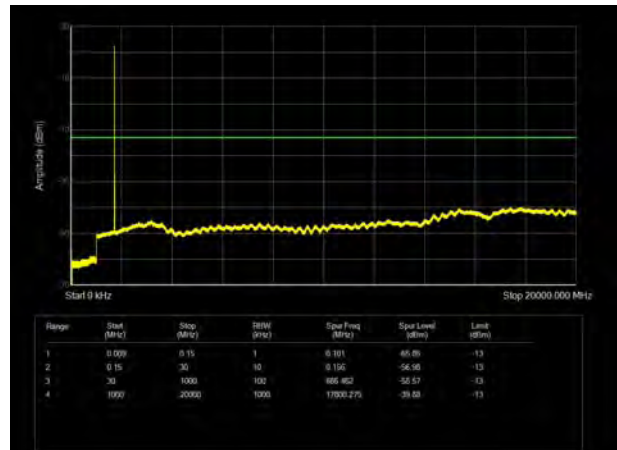
LTE Band 4 3MHz CH-High 9kHz~20GHz



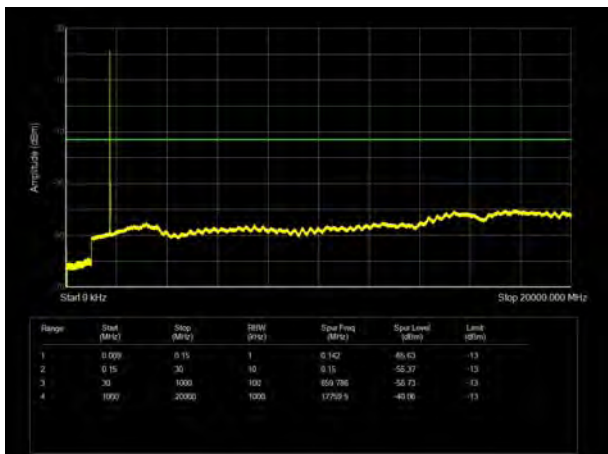
LTE Band 4 5MHz CH- Low 9kHz~20GHz



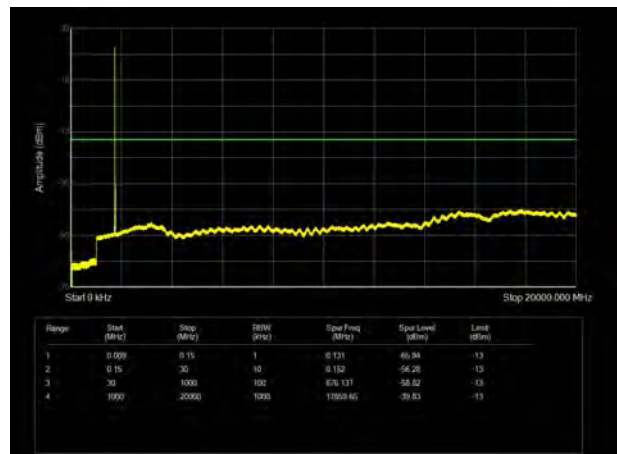
LTE Band 4 10MHz CH-Low 9kHz~20GHz



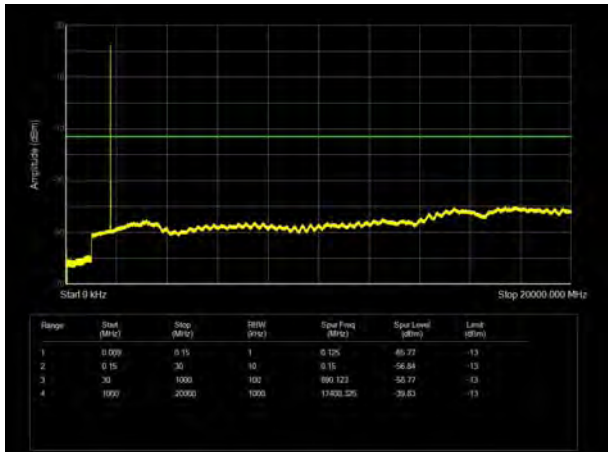
LTE Band 4 5MHz CH- Middle 9kHz~20GHz



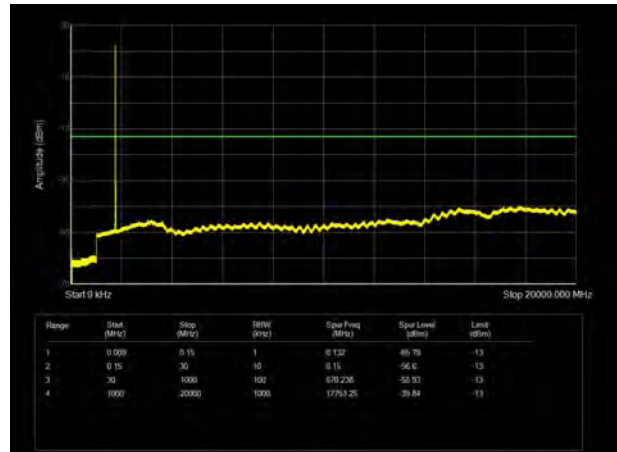
LTE Band 4 10MHz CH- Middle 9kHz~20GHz



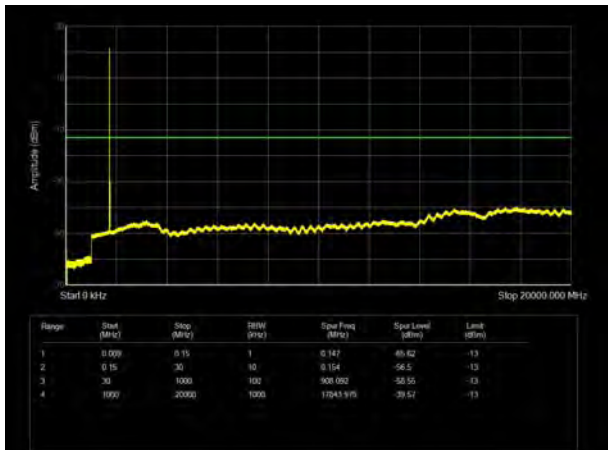
LTE Band 4 5MHz CH-High 9kHz~20GHz



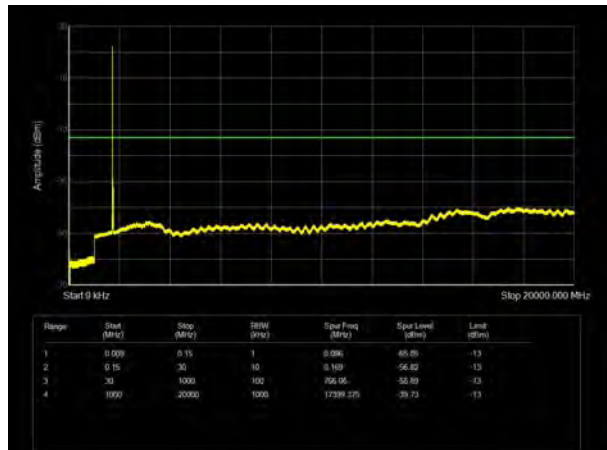
LTE Band 4 10MHz CH- High 9kHz~20GHz



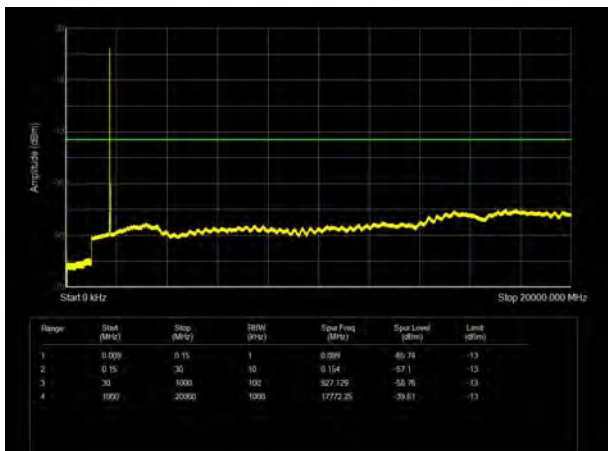
LTE Band 4 15MHz CH- Low 9kHz~20GHz



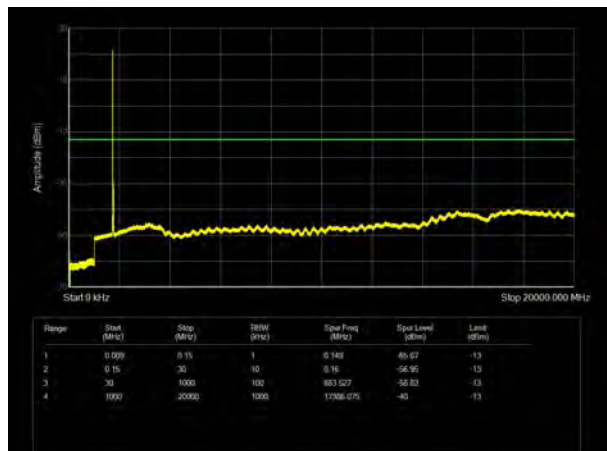
LTE Band 4 20MHz CH-Low 9kHz~20GHz



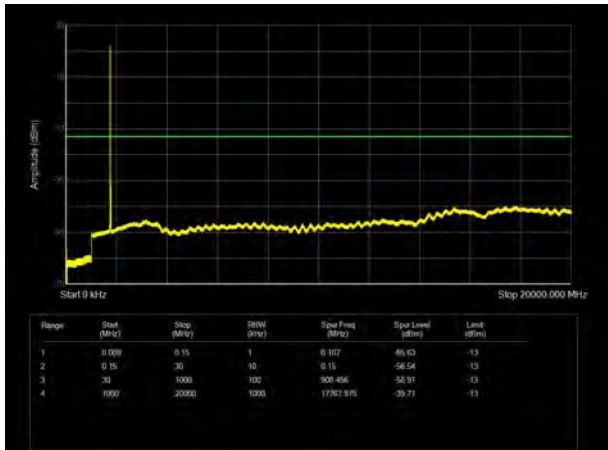
LTE Band 4 15MHz CH- Middle 9kHz~20GHz



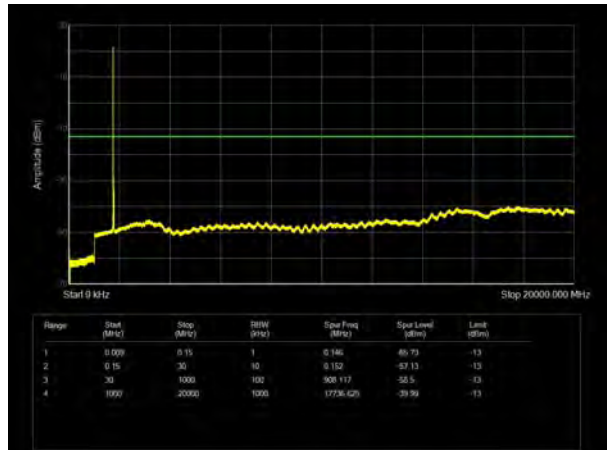
LTE Band 4 20MHz CH- Middle 9kHz~20GHz



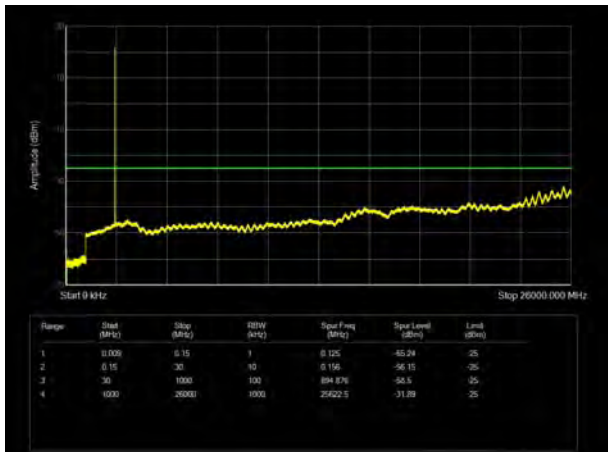
LTE Band 4 15MHz CH-High 9kHz~20GHz



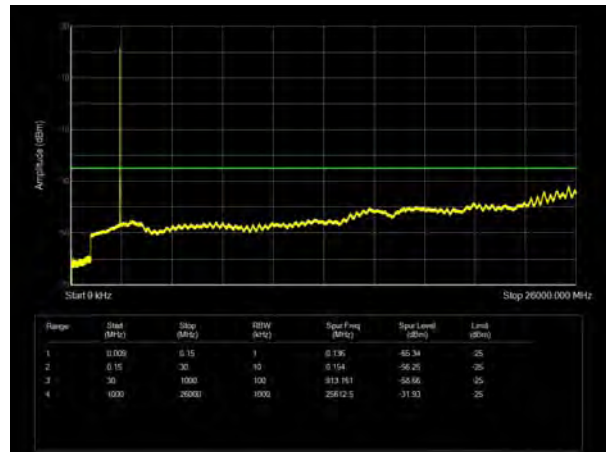
LTE Band 4 20MHz CH- High 9kHz~20GHz



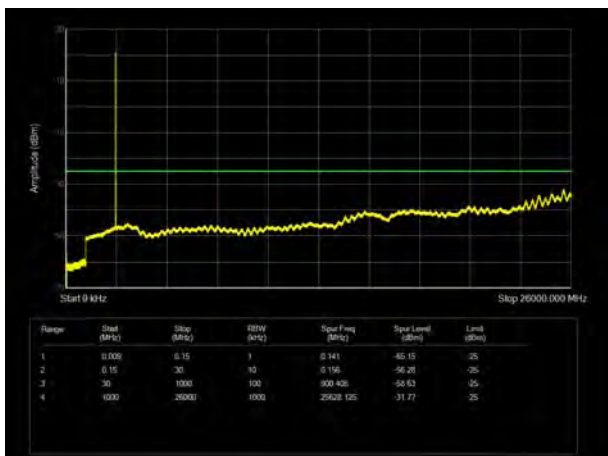
LTE Band 7 5MHz CH- Low 9kHz~26GHz



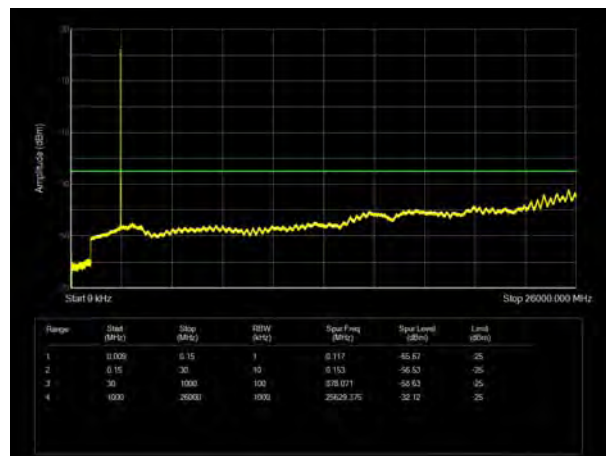
LTE Band 7 10MHz CH-Low 9kHz~26GHz



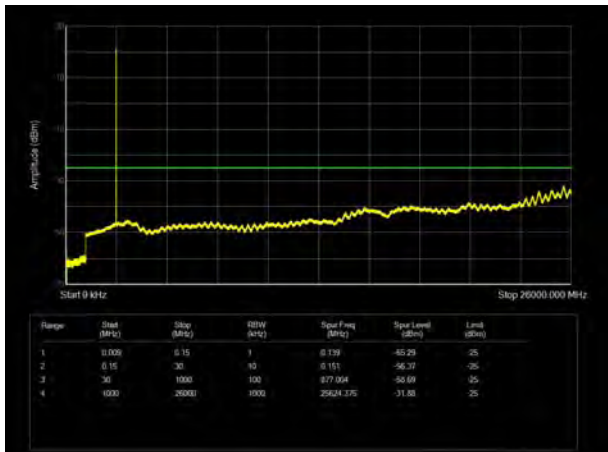
LTE Band 7 5MHz CH- Middle 9kHz~26GHz



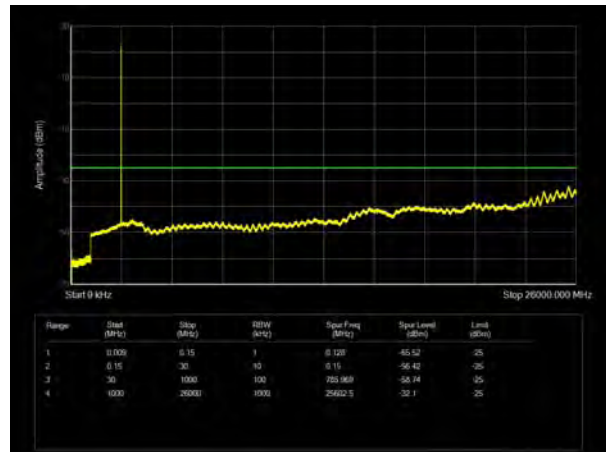
LTE Band 7 10MHz CH- Middle 9kHz~26GHz



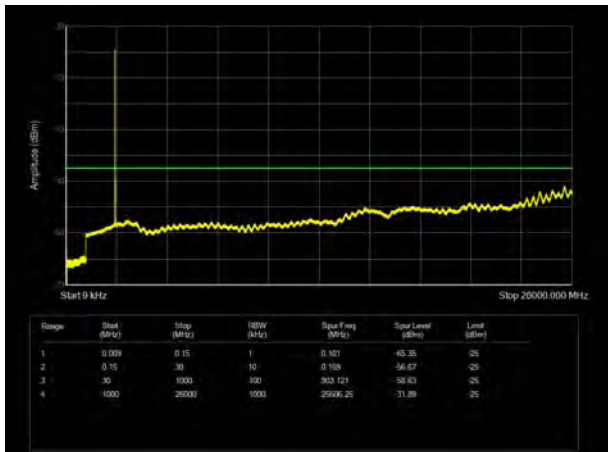
LTE Band 7 5MHz CH-High 9kHz~26GHz



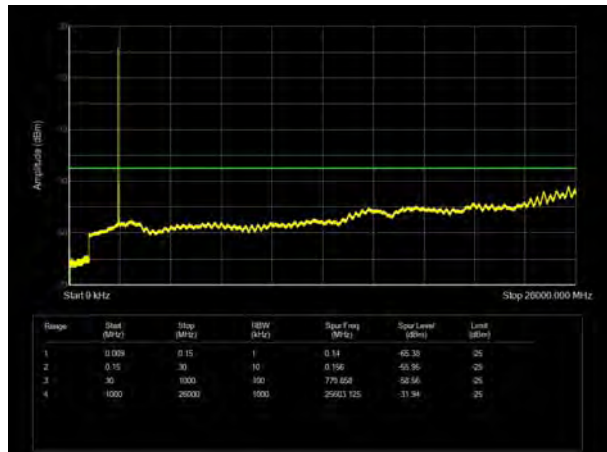
LTE Band 7 10MHz CH- High 9kHz~26GHz



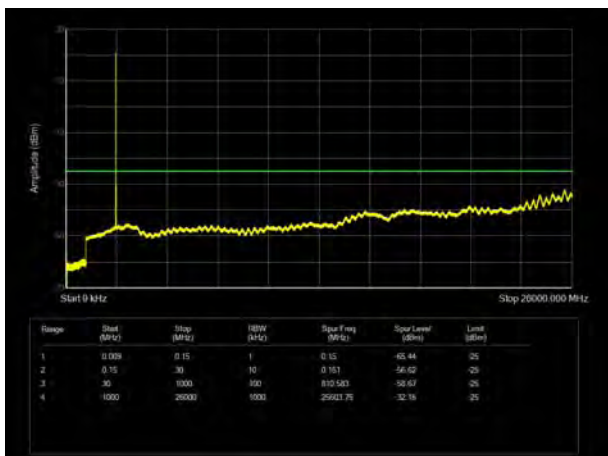
LTE Band 7 15MHz CH- Low 9kHz~26GHz



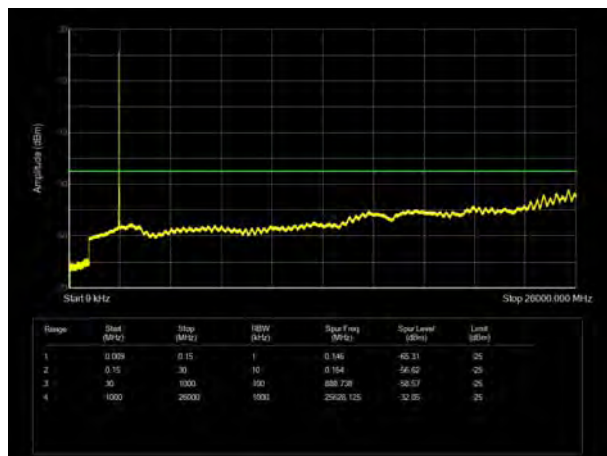
LTE Band 7 20MHz CH-Low 9kHz~26GHz



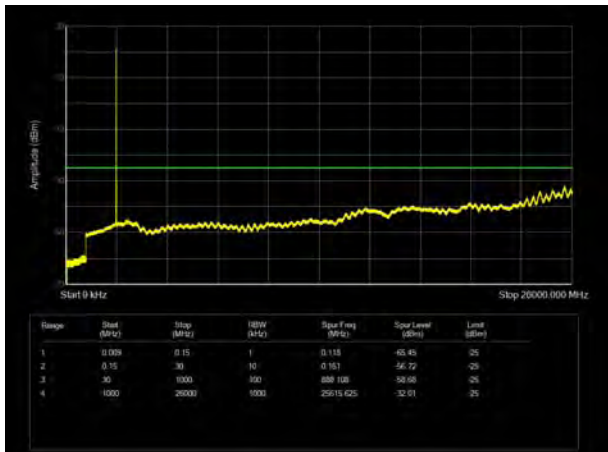
LTE Band 7 15MHz CH- Middle 9kHz~26GHz



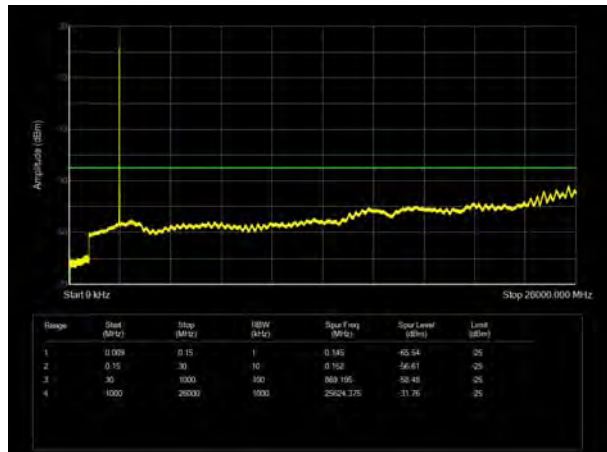
LTE Band 7 20MHz CH- Middle 9kHz~26GHz



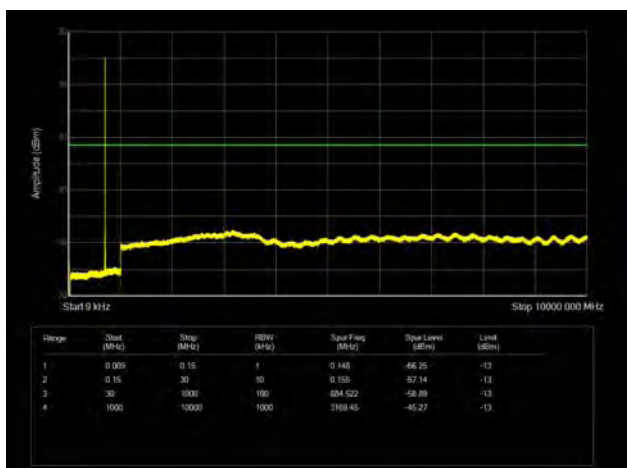
LTE Band 7 15MHz CH-High 9kHz~26GHz



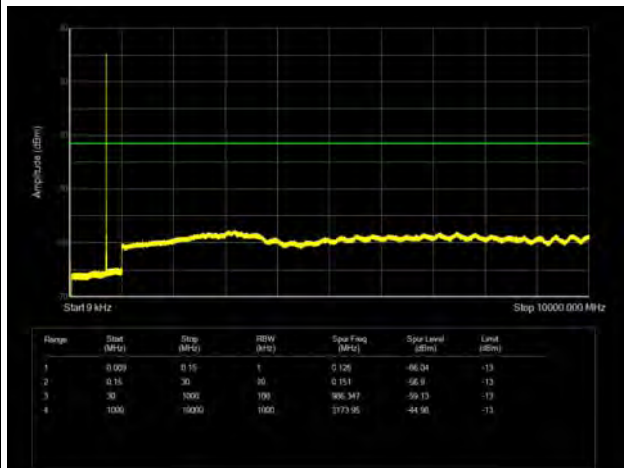
LTE Band 7 20MHz CH- High 9kHz~26GHz



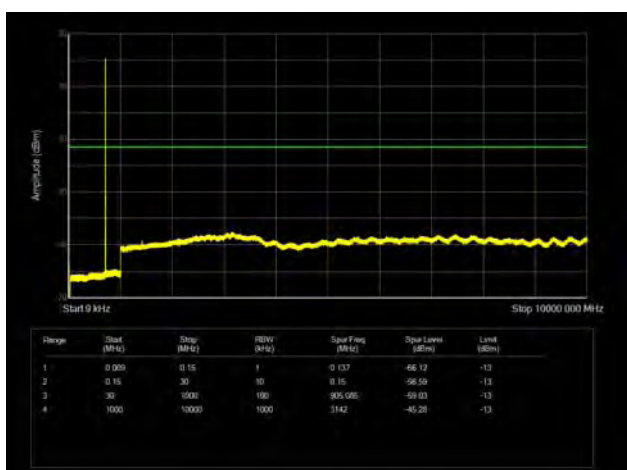
LTE Band 12 1.4MHz CH-Low 9kHz ~10GHz



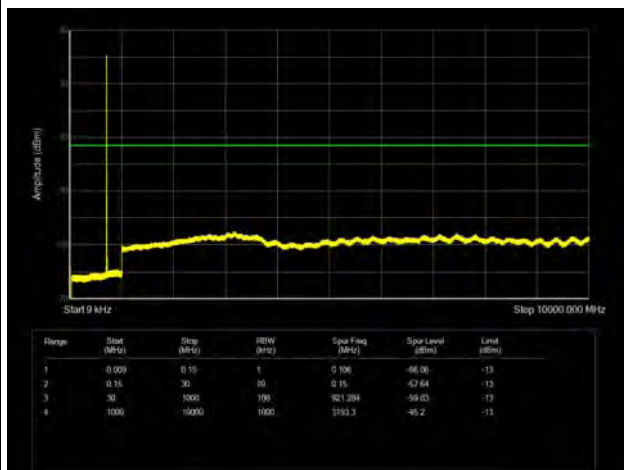
LTE Band 12 3MHz CH-Low 9kHz ~10GHz



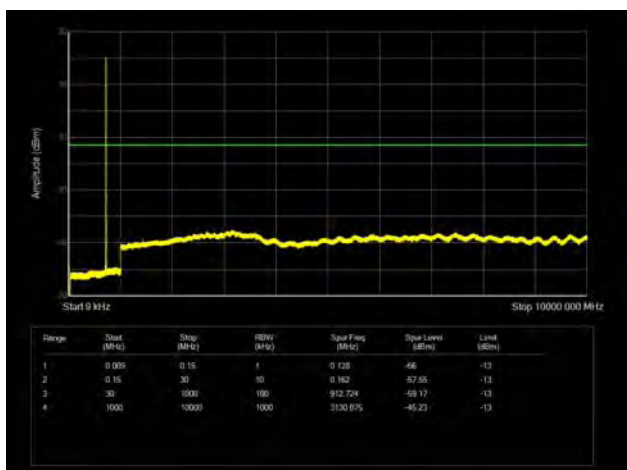
LTE Band 12 1.4MHz CH- Middle 9kHz ~10GHz



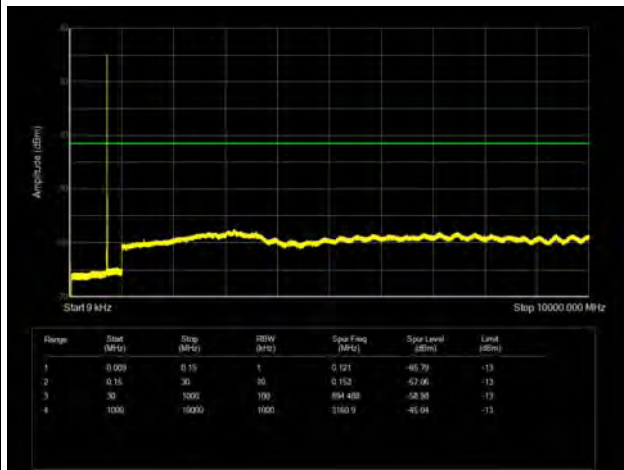
LTE Band 12 3MHz CH- Middle 9kHz ~10GHz



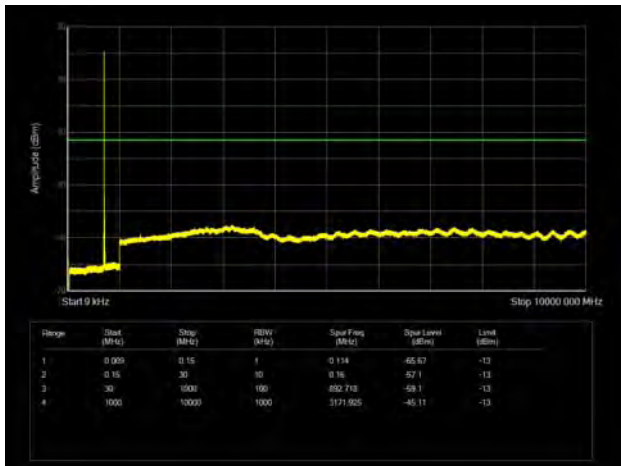
LTE Band 12 1.4MHz CH-High 9kHz ~10GHz



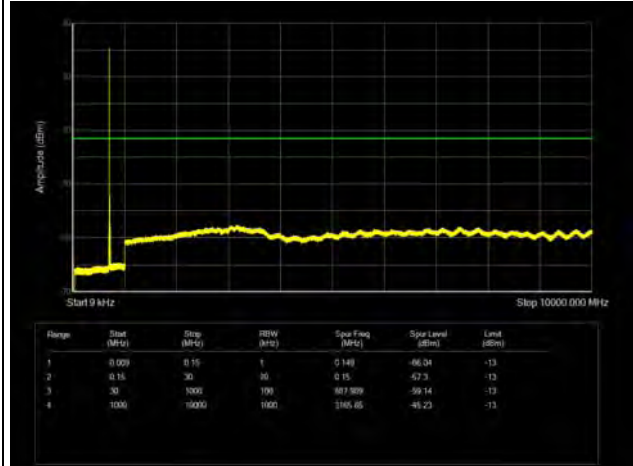
LTE Band 12 3MHz CH-High 9kHz ~10GHz



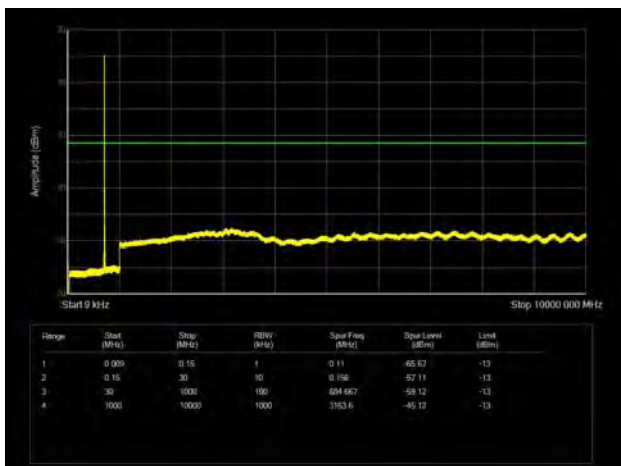
LTE Band 12 5MHz CH-Low 9kHz ~10GHz



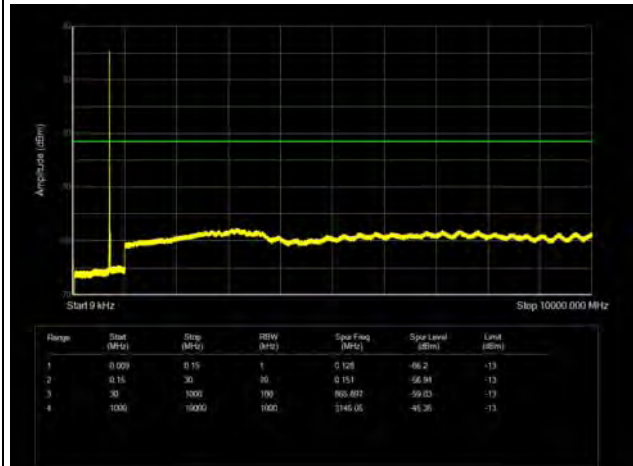
LTE Band 12 10MHz CH-Low 9kHz ~10GHz



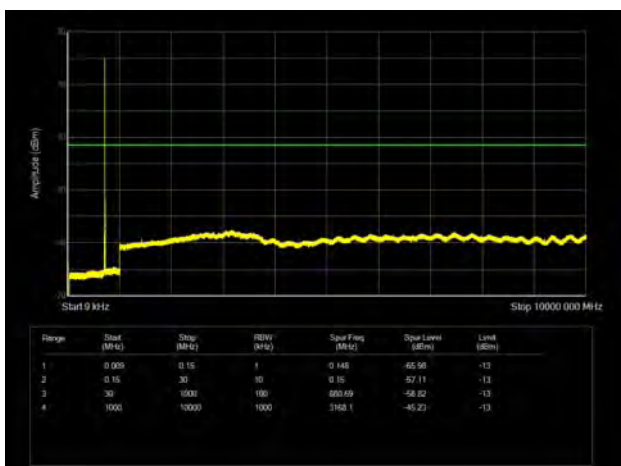
LTE Band 12 5MHz CH- Middle 9kHz ~10GHz



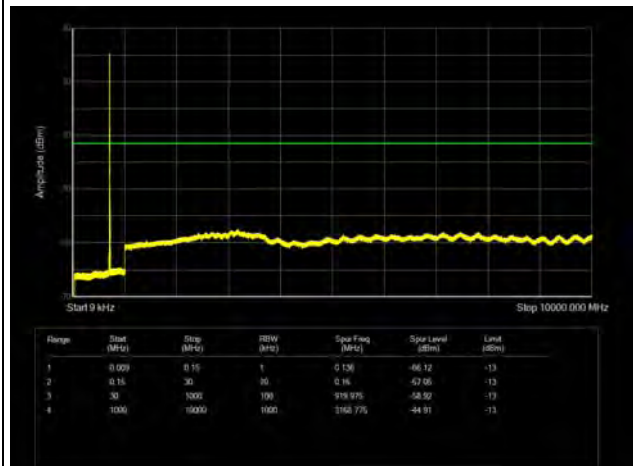
LTE Band 12 10MHz CH- Middle 9kHz ~10GHz



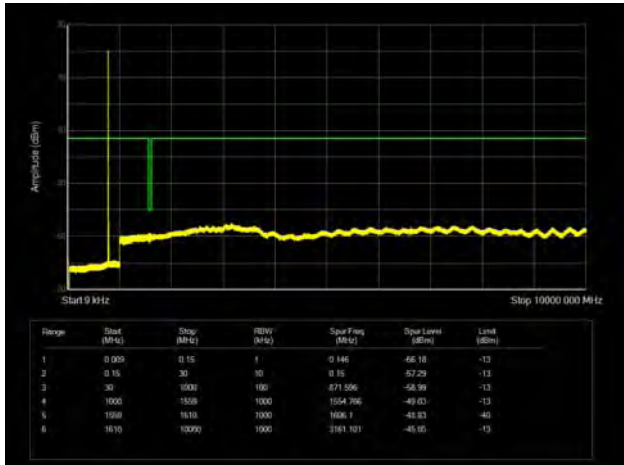
LTE Band 12 5MHz CH-High 9kHz ~10GHz



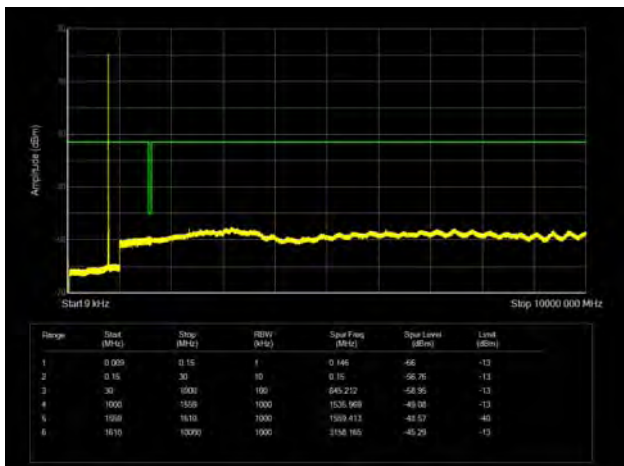
LTE Band 12 10MHz CH-High 9kHz ~10GHz



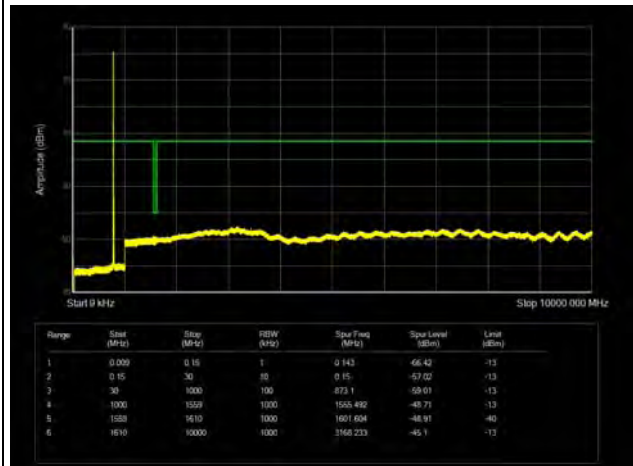
LTE Band 13 5MHz CH-Low 9kHz ~10GHz



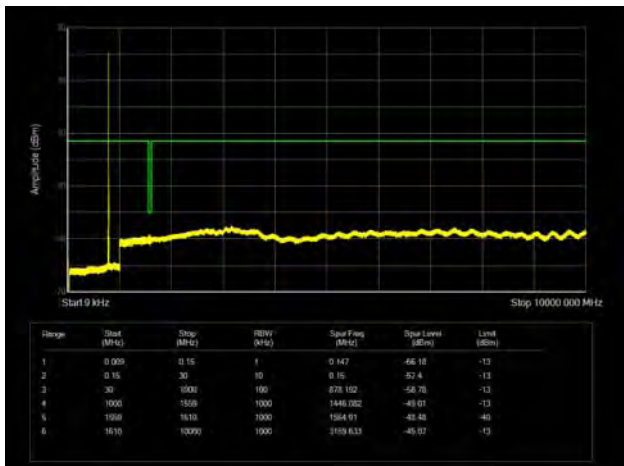
LTE Band 13 5MHz CH-Middle 9kHz ~10GHz



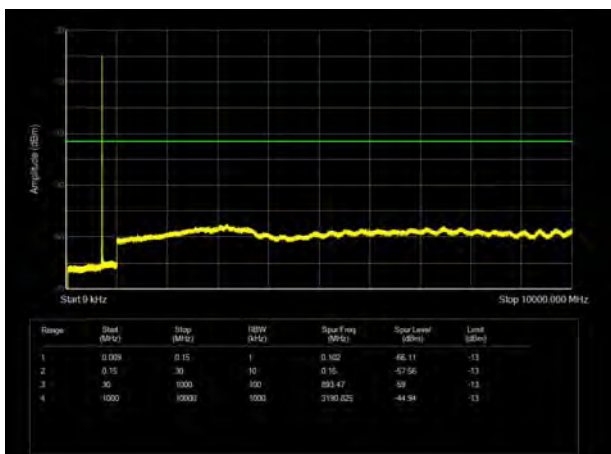
LTE Band 13 10MHz CH-Middle 9kHz ~10GHz



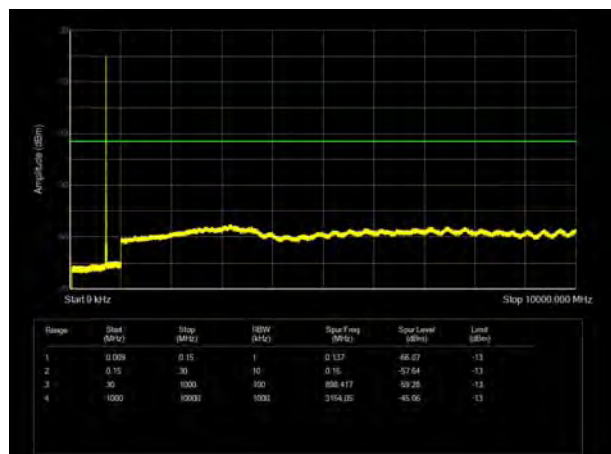
LTE Band 13 5MHz CH-High 9kHz ~10GHz



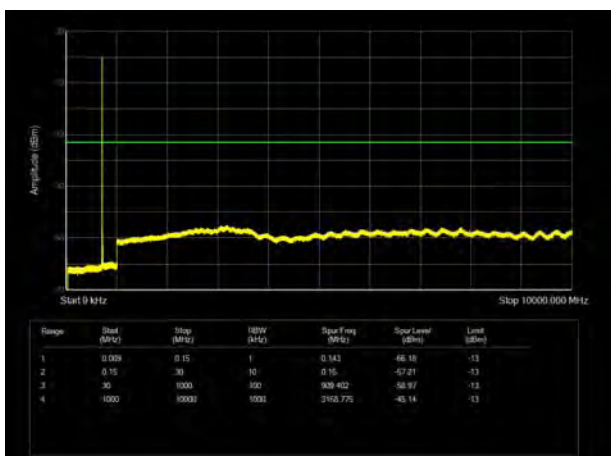
LTE Band 17 5MHz CH-Low 9kHz ~10GHz



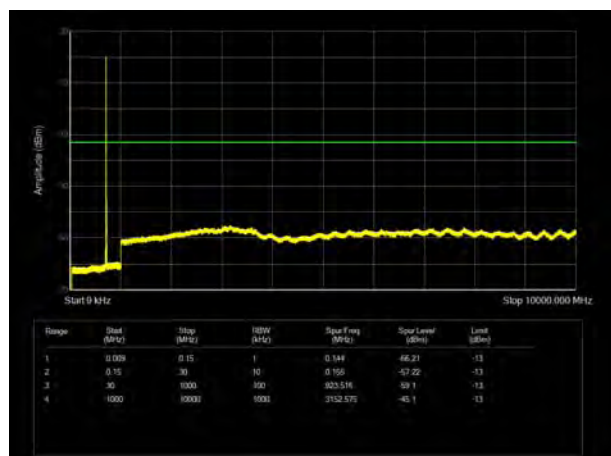
LTE Band 17 10MHz CH-Low 9kHz ~10GHz



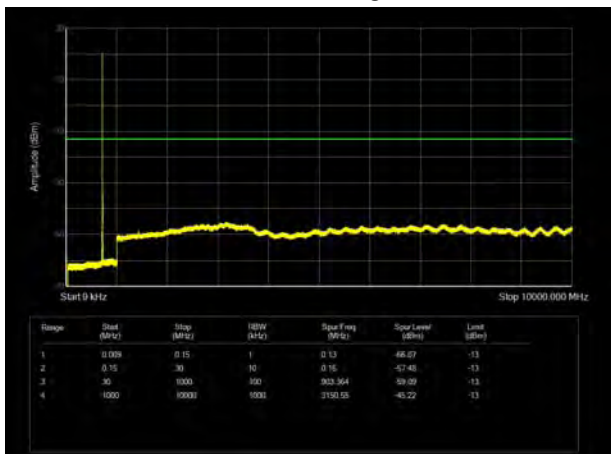
LTE Band 17 5MHz CH-Middle 9kHz ~10GHz



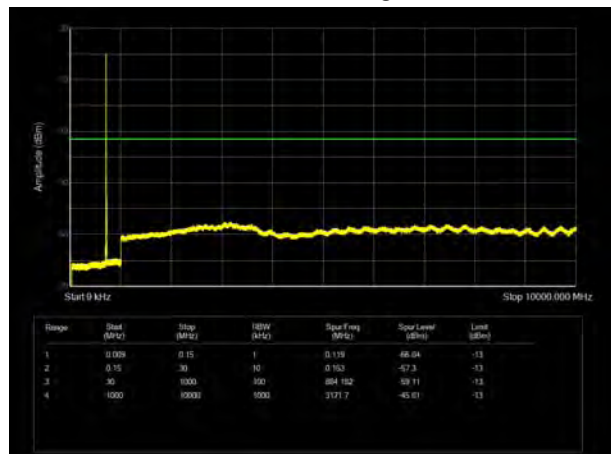
LTE Band 17 10MHz CH-Middle 9kHz ~10GHz



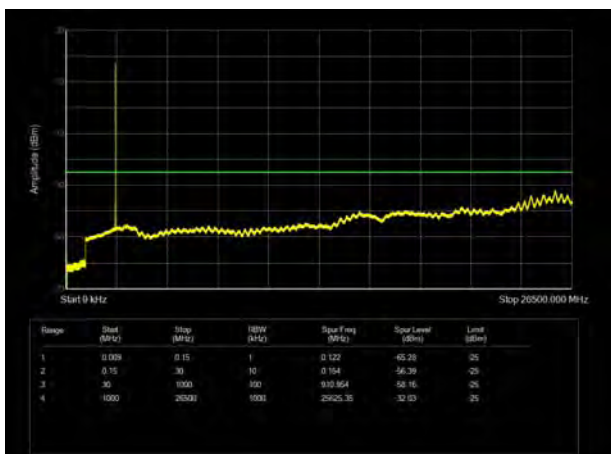
LTE Band 17 5MHz CH-High 9kHz ~10GHz



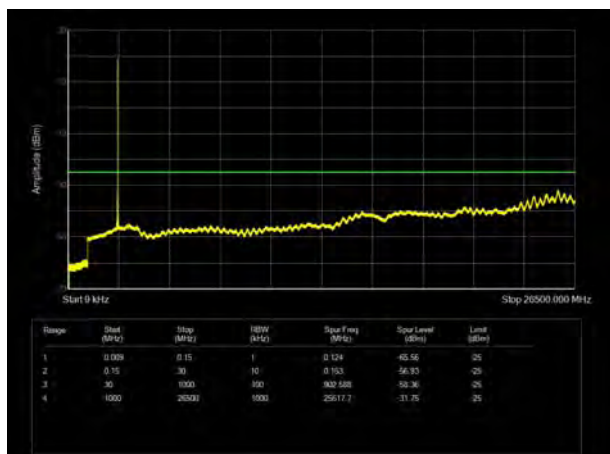
LTE Band 17 10MHz CH-High 9kHz ~10GHz



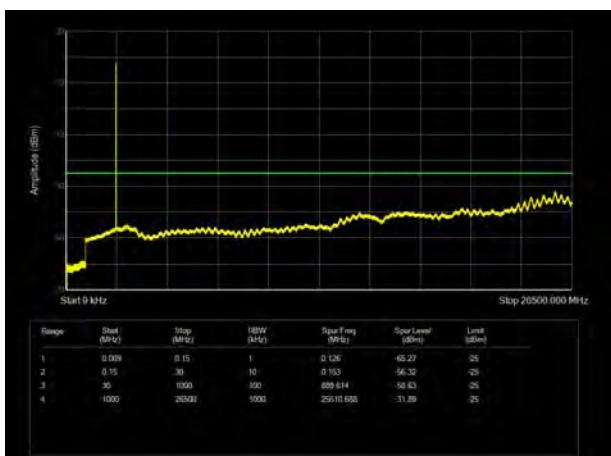
LTE Band 38 5MHz CH-Low 9kHz~26.5GHz



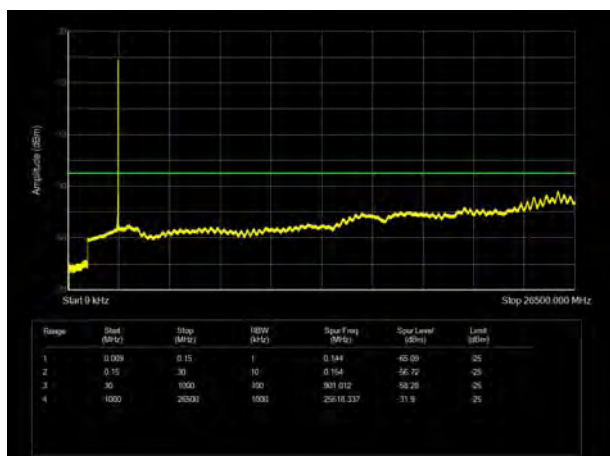
LTE Band 38 10MHz CH- Low 9kHz~26.5GHz



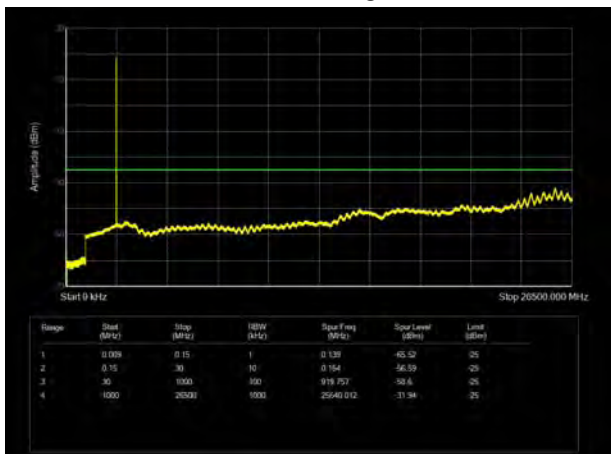
LTE Band 38 5MHz CH- Middle 9kHz~26.5GHz



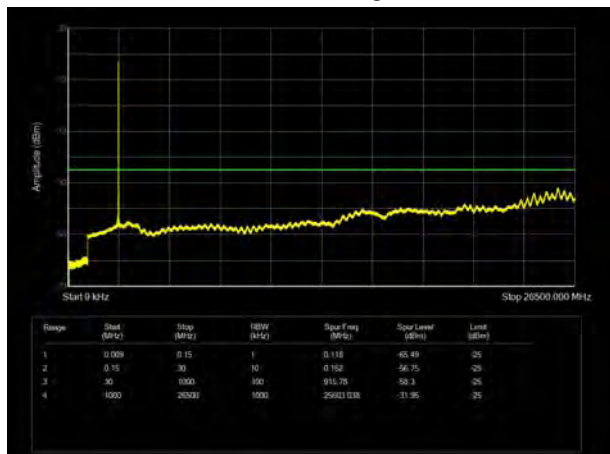
LTE Band 38 10MHz CH- Middle 9kHz~26.5GHz



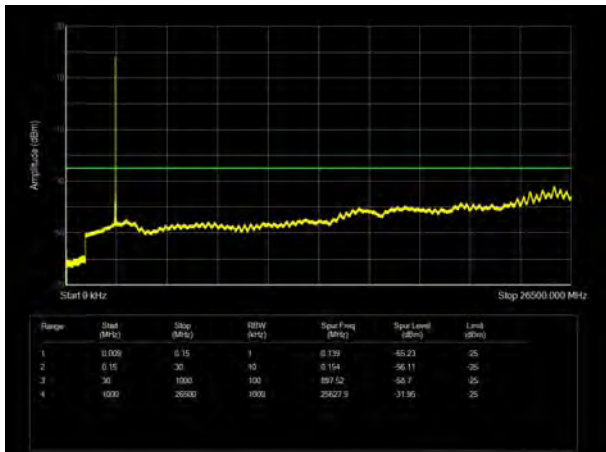
LTE Band 38 5MHz CH- High 9kHz~26.5GHz



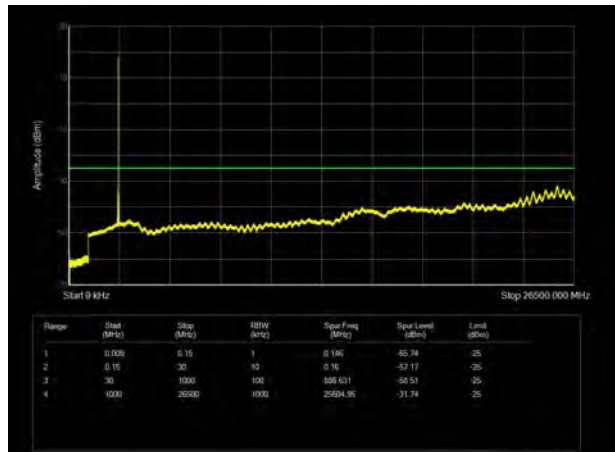
LTE Band 38 10MHz CH-High 9kHz~26.5GHz



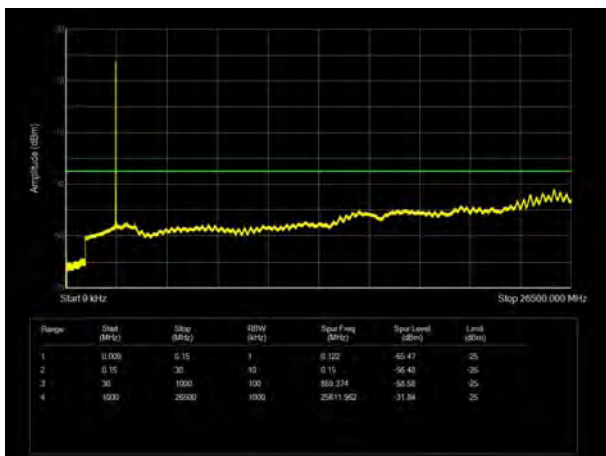
LTE Band 38 15MHz CH- Low 9kHz~26.5GHz



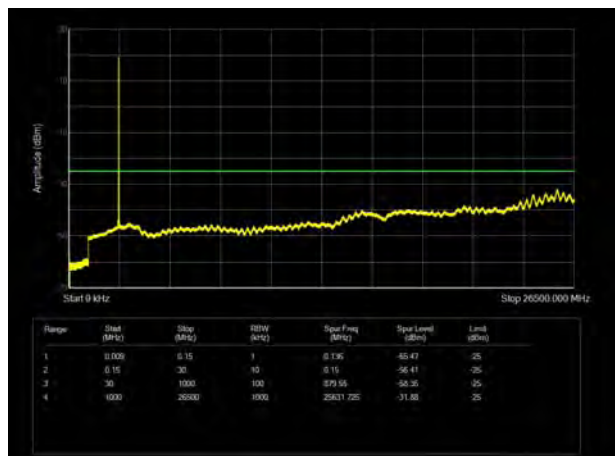
LTE Band 38 20MHz CH-Low 9kHz~26.5GHz



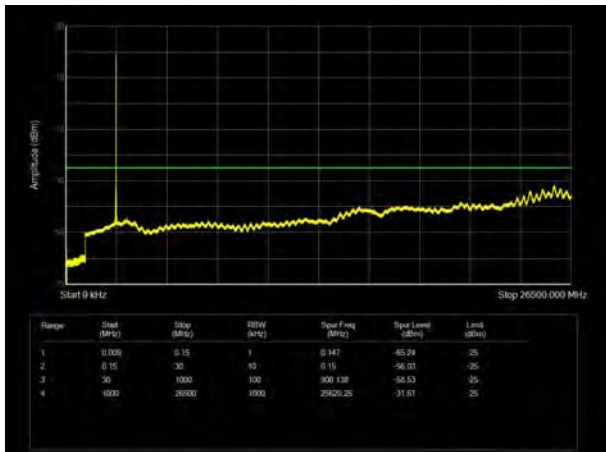
LTE Band 38 15MHz CH- Middle 9kHz~26.5GHz



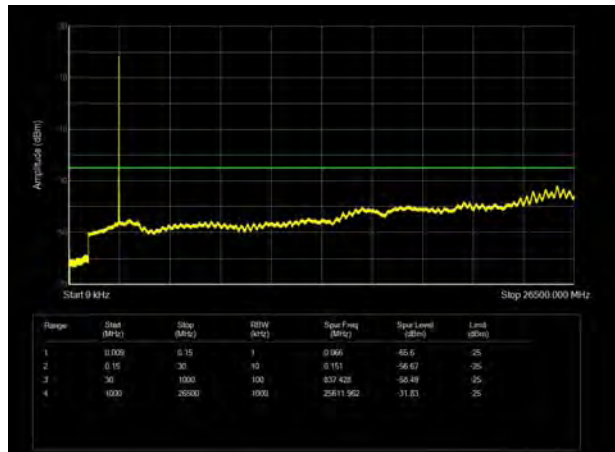
LTE Band 38 20MHz CH- Middle 9kHz~26.5GHz

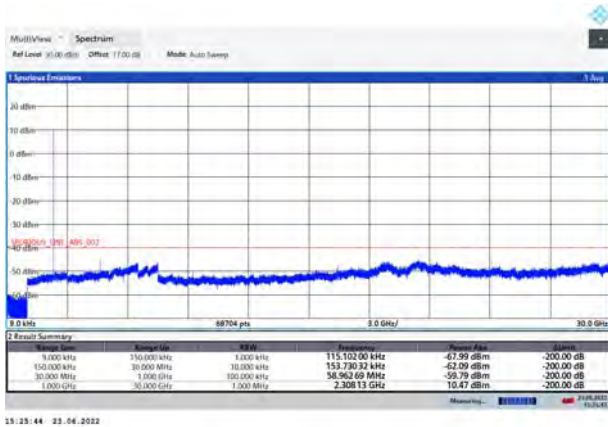


LTE Band 38 15MHz CH-High 9kHz~26.5GHz

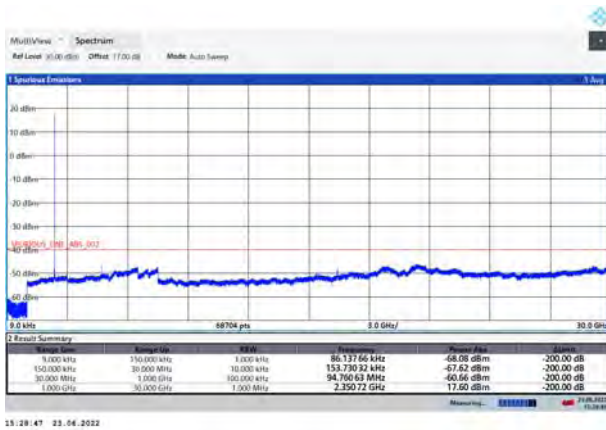


LTE Band 38 20MHz CH- High 9kHz~26.5GHz



LTE Band 40 Subset 1 5MHz CH- Low
9kHz~30GHzLTE Band 40 Subset 1 10MHz
9kHz~30GHzLTE Band 40 Subset 1 5MHz CH- Middle
9kHz~30GHzLTE Band 40 Subset 1 5MHz CH-High
9kHz~30GHz

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



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



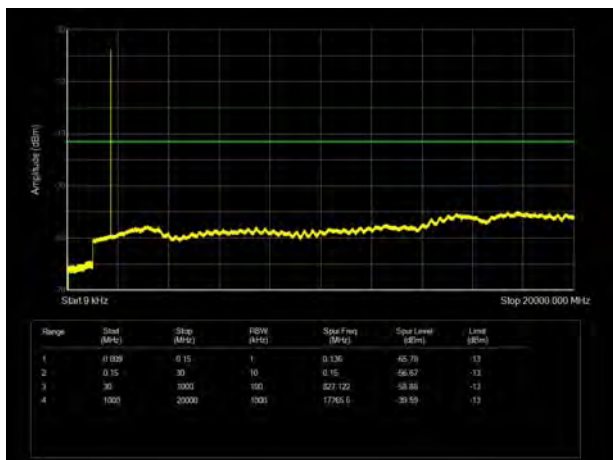
LTE Band 40 Subset 2 5MHz CH- Middle 9kHz~30GHz



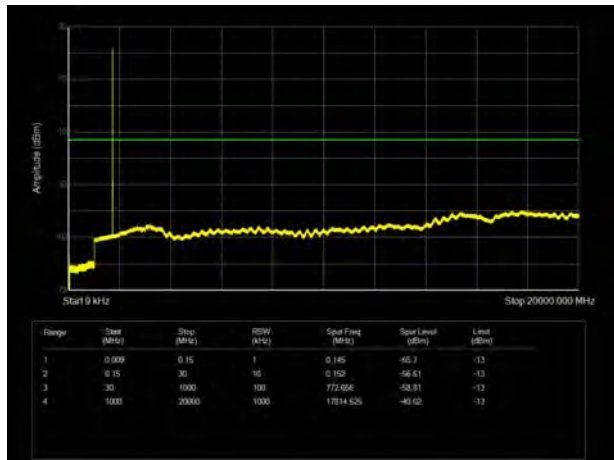
LTE Band 40 Subset 2 5MHz CH-High 9kHz~30GHz



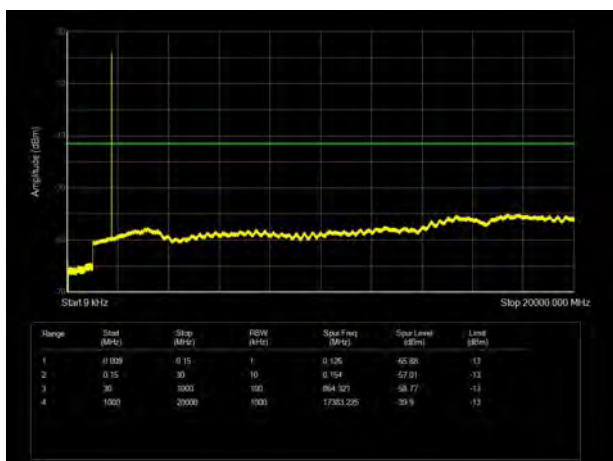
LTE Band 66 1.4MHz CH-Low 9kHz ~20GHz



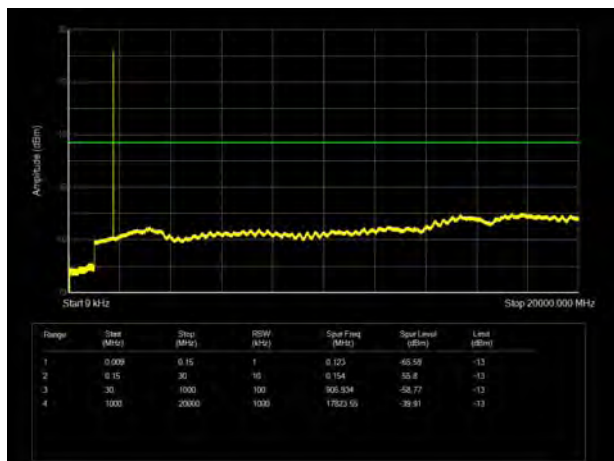
LTE Band 66 3MHz CH-Low 9kHz ~20GHz



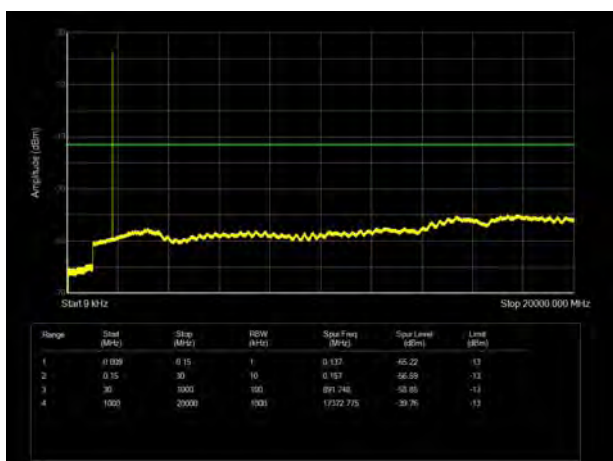
LTE Band 66 1.4MHz CH-Middle 9kHz ~20GHz



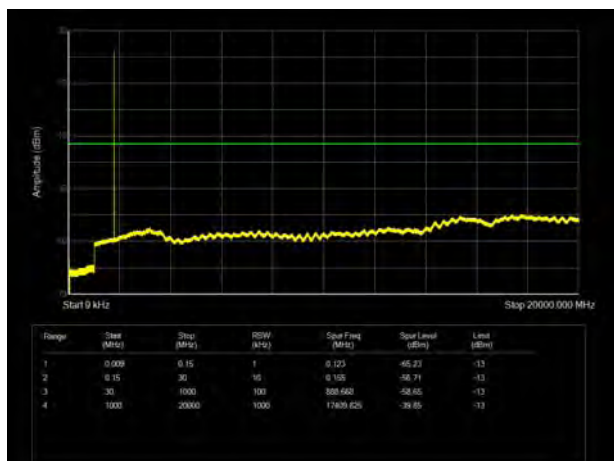
LTE Band 66 3MHz CH-Middle 9kHz ~20GHz



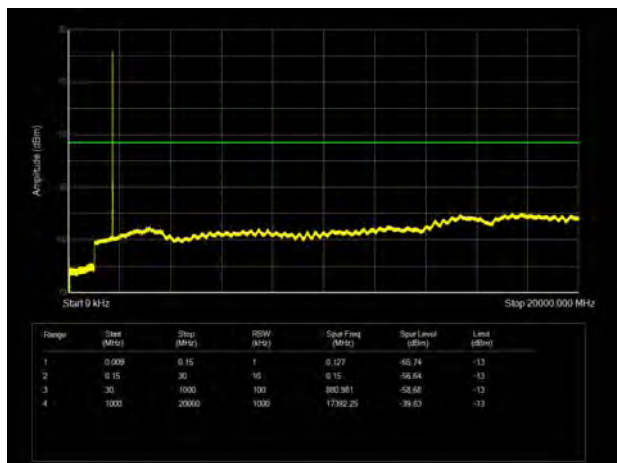
LTE Band 66 1.4MHz CH-High 9kHz ~20GHz



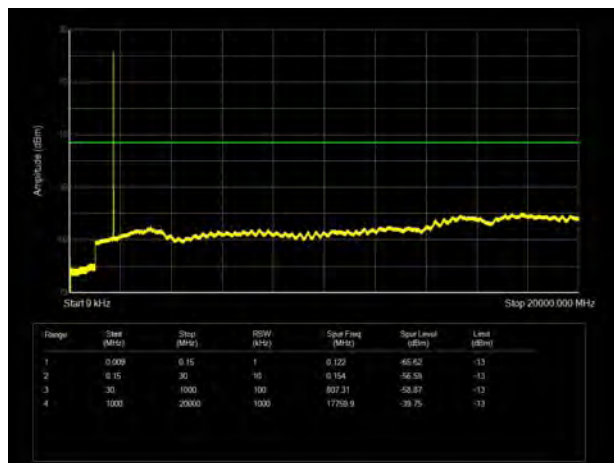
LTE Band 66 3MHz CH-High 9kHz ~20GHz



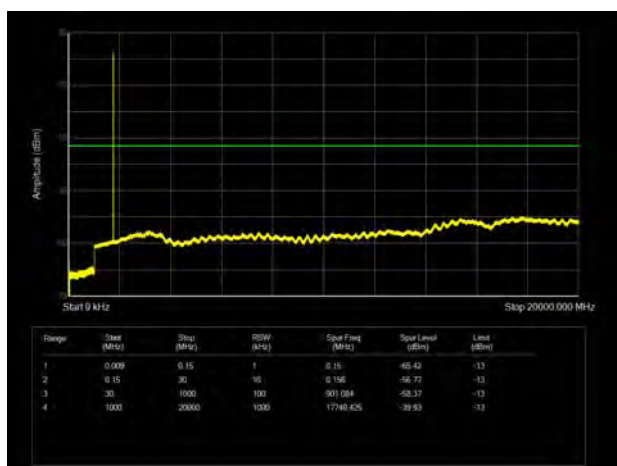
LTE Band 66 5MHz CH-Low 9kHz ~20GHz



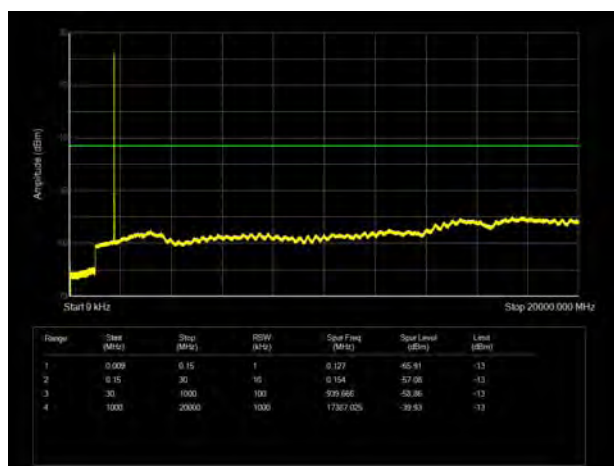
LTE Band 66 10MHz CH-Low 9kHz ~20GHz



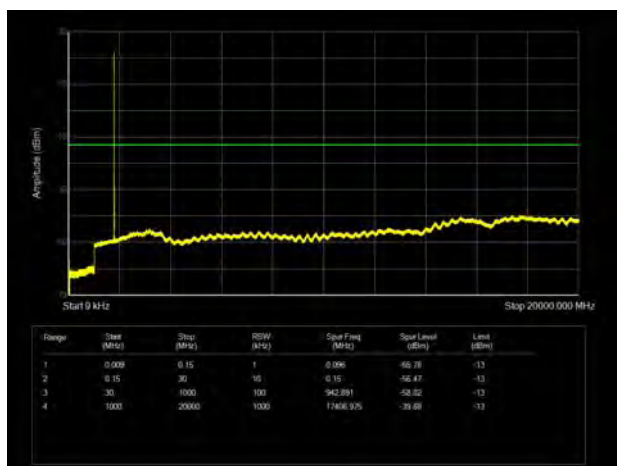
LTE Band 66 5MHz CH-Middle 9kHz ~20GHz



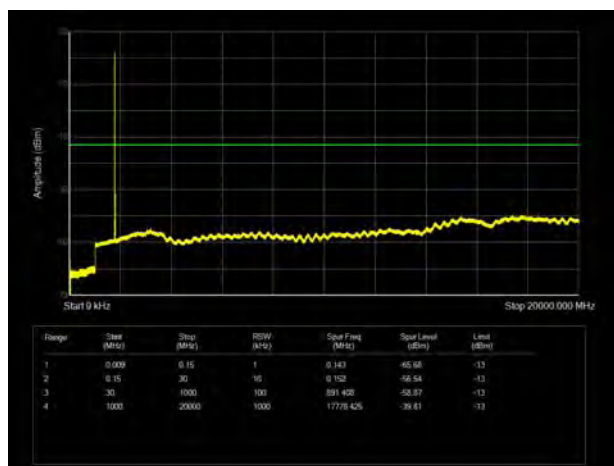
LTE Band 66 10MHz CH-Middle 9kHz ~20GHz



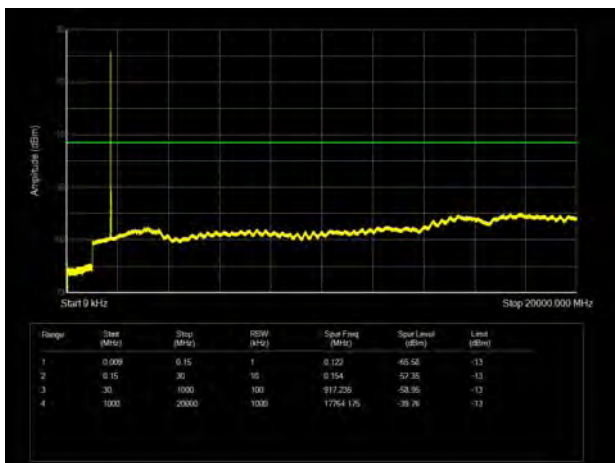
LTE Band 66 5MHz CH-High 9kHz ~20GHz



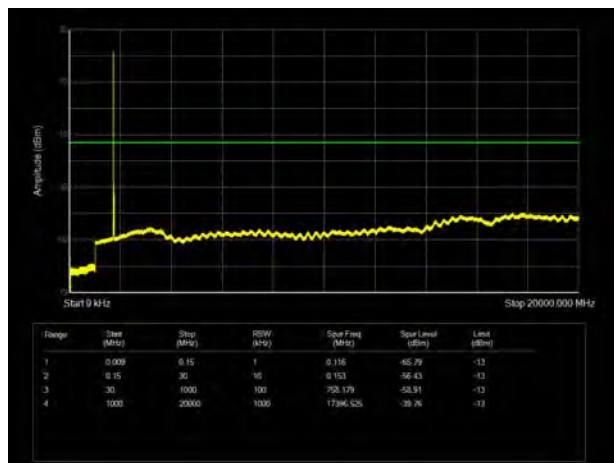
LTE Band 66 10MHz CH-High 9kHz ~20GHz



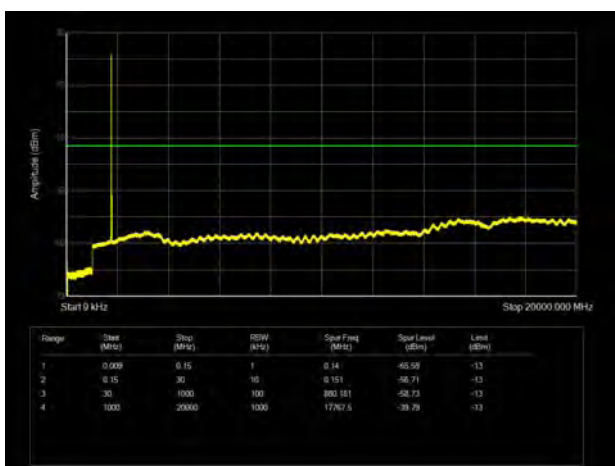
LTE Band 66 15MHz CH-Low 9kHz ~20GHz



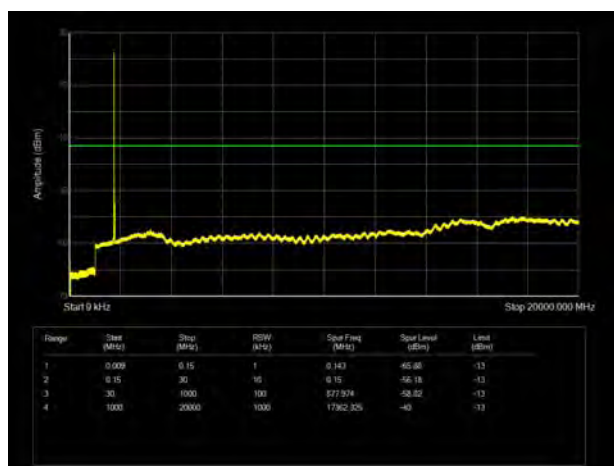
LTE Band 66 20MHz CH-Low 9kHz ~20GHz



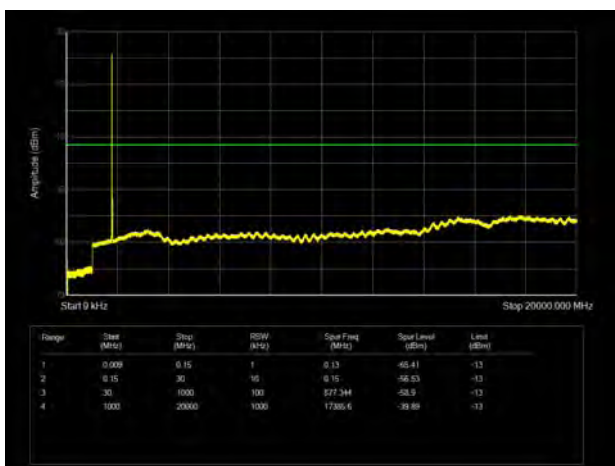
LTE Band 66 15MHz CH-Middle 9kHz ~20GHz



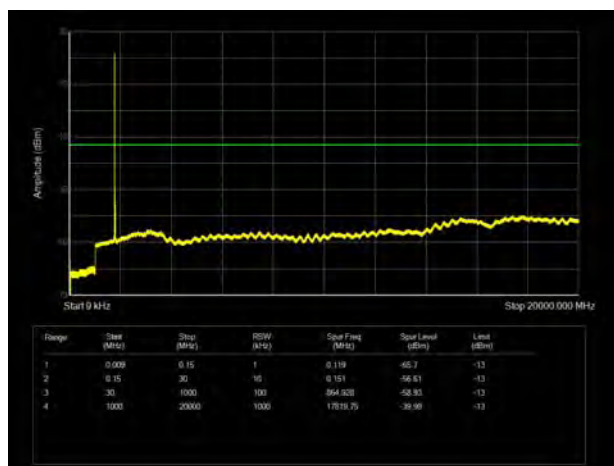
LTE Band 66 20MHz CH-Middle 9kHz ~20GHz



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



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



CA_7C QPSK 20MHz+10MHz CH- Low
9kHz~30GHz

11:22:15 24.04.2022

CA_7C QPSK 20MHz+20MHz CH- Low
9kHz~30GHz

11:34:57 24.04.2022

CA_7C 16QAM 20MHz+10MHz CH- Low
9kHz~30GHz

11:22:56 24.04.2022

CA_7C 16QAM 20MHz+20MHz CH- Low
9kHz~30GHz

11:35:46 24.04.2022

CA_7C 64QAM 20MHz+10MHz CH- Low
9kHz~30GHz

11:23:27 24.04.2022

CA_7C 64QAM 20MHz+20MHz CH- Low
9kHz~30GHz

11:38:08 24.04.2022

CA_7C QPSK 20MHz+10MHz CH- Middle
9kHz~30GHz

11:25:38 24.04.2022

CA_7C QPSK 20MHz+20MHz CH- Middle
9kHz~30GHz

11:37:33 24.04.2022

CA_7C 16QAM 20MHz+10MHz CH- Middle
9kHz~30GHz

11:25:07 24.04.2022

CA_7C 16QAM 20MHz+20MHz CH- Middle
9kHz~30GHz

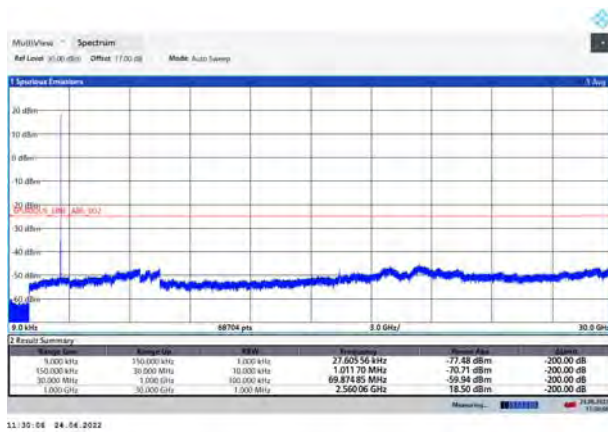
11:37:07 24.04.2022

CA_7C 64QAM 20MHz+10MHz CH- Middle
9kHz~30GHz

11:24:47 24.04.2022

CA_7C 64QAM 20MHz+20MHz CH- Middle
9kHz~30GHz

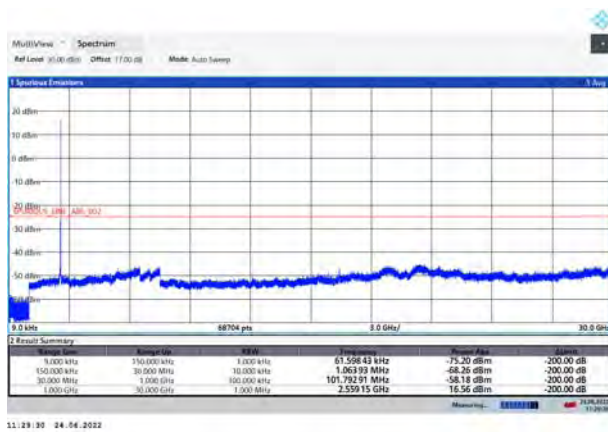
11:38:49 24.04.2022

CA_7C QPSK 20MHz+10MHz CH- High
9kHz~30GHz

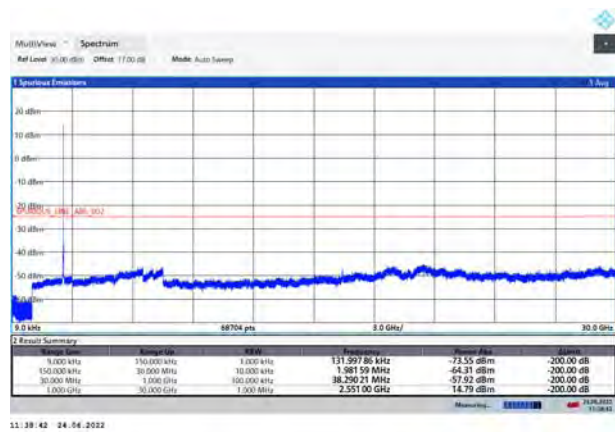
11:30:06 24.04.2022

CA_7C QPSK 20MHz+20MHz CH- High
9kHz~30GHz

11:30:18 24.04.2022

CA_7C 16QAM 20MHz+5MHz CH- High
9kHz~30GHz

11:39:30 24.04.2022

CA_7C 16QAM 20MHz+20MHz CH- High
9kHz~30GHz

11:39:42 24.04.2022

CA_7C 64QAM 20MHz+5MHz CH- High
9kHz~30GHz

11:39:34 24.04.2022

CA_7C 64QAM 20MHz+20MHz CH- High
9kHz~30GHz

11:39:53 24.04.2022

NR n7 P1/2 BPSK 20MHz CH-Low 9kHz~30GHz



NR n7 QPSK 20MHz CH-Low 9kHz~30GHz



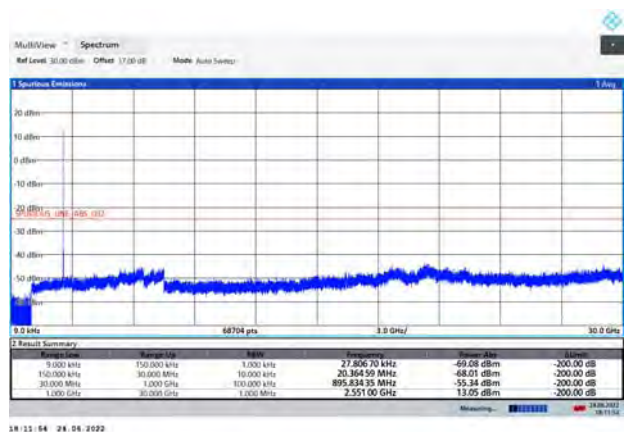
NR n7 P1/2 BPSK 20MHz CH-Middle
9kHz~30GHz



NR n7 QPSK 20MHz CH-Middle 9kHz~30GHz



NR n7 P1/2 BPSK 20MHz CH-High 9kHz~30GHz



NR n7 QPSK 20MHz CH-High 9kHz~30GHz

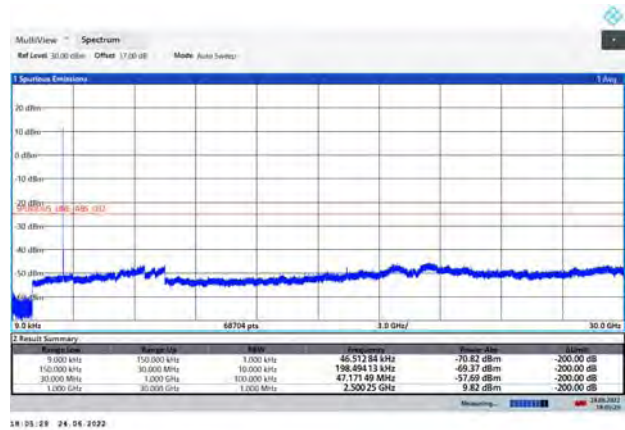




NR n7 16QAM 20MHz CH-Low 9kHz~30GHz



NR n7 64QAM 20MHz CH-Low 9kHz~30GHz



NR n7 16QAM 20MHz CH-Middle 9kHz~30GHz



NR n7 64QAM 20MHz CH-Middle 9kHz~30GHz



NR n7 16QAM 20MHz CH-High 9kHz~30GHz



NR n7 64QAM 20MHz CH-High 9kHz~30GHz





NR n7 256QAM 20MHz CH-Low 9kHz~30GHz



NR n7 256QAM 20MHz CH-Middle 9kHz~30GHz



NR n7 256QAM 20MHz CH-High 9kHz~30GHz



DC_28A (Subset 1)-n7A P1/2 BPSK 20MHz
CH-Low 9kHz~30GHz

18:17:10 24.06.2022

DC_28A (Subset 1)-n7A QPSK 20MHz CH-Low
9kHz~30GHz

18:18:08 24.06.2022

DC_28A (Subset 1)-n7A P1/2 BPSK 20MHz
CH-Middle 9kHz~30GHz

18:24:55 24.06.2022

DC_28A (Subset 1)-n7A QPSK 20MHz
CH-Middle 9kHz~30GHz

18:23:54 24.06.2022

DC_28A (Subset 1)-n7A P1/2 BPSK 20MHz
CH-High 9kHz~30GHz

18:28:16 24.06.2022

DC_28A (Subset 1)-n7A QPSK 20MHz CH-High
9kHz~30GHz

18:28:50 24.06.2022

DC_28A (Subset 1)-n7A 16QAM 20MHz CH-Low
9kHz~30GHz

18:19:58 24.06.2022

DC_28A (Subset 1)-n7A 64QAM 20MHz CH-Low
9kHz~30GHz

18:19:20 24.06.2022

DC_28A (Subset 1)-n7A 16QAM 20MHz
CH-Middle 9kHz~30GHz

18:22:45 24.06.2022

DC_28A (Subset 1)-n7A 64QAM 20MHz
CH-Middle 9kHz~30GHz

18:22:11 24.06.2022

DC_28A (Subset 1)-n7A 16QAM 20MHz CH-High
9kHz~30GHz

18:27:27 24.06.2022

DC_28A (Subset 1)-n7A 64QAM 20MHz CH-High
9kHz~30GHz

18:28:28 24.06.2022

DC_28A (Subset 1)-n7A 256QAM 20MHz CH-Low 9kHz~30GHz



DC_28A (Subset 1)-n7A 256QAM 20MHz CH-Middle 9kHz~30GHz



DC_28A (Subset 1)-n7A 256QAM 20MHz CH-High 9kHz~30GHz



NR n40 Subset 1 P1/2 BPSK 10MHz CH-Middle
9kHz~30GHz

14:12:33 22.06.2022

NR n40 Subset 1 QPSK 10MHz CH-Middle
9kHz~30GHz

14:13:22 22.06.2022

NR n40 Subset 116QAM 10MHz CH-Middle
9kHz~30GHz

14:14:04 22.06.2022

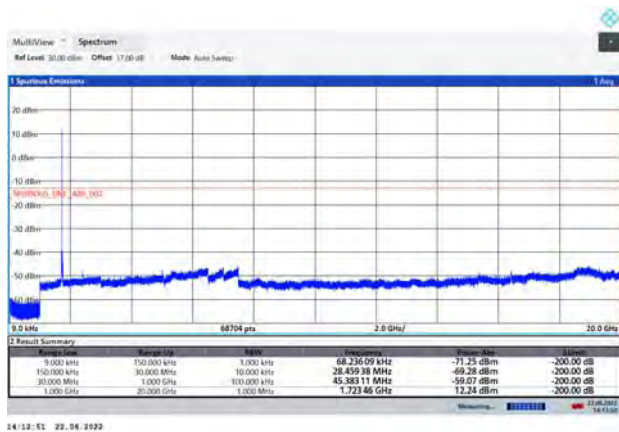
NR n40 Subset 1 64QAM 10MHz CH-Middle
9kHz~30GHz

14:14:18 22.06.2022

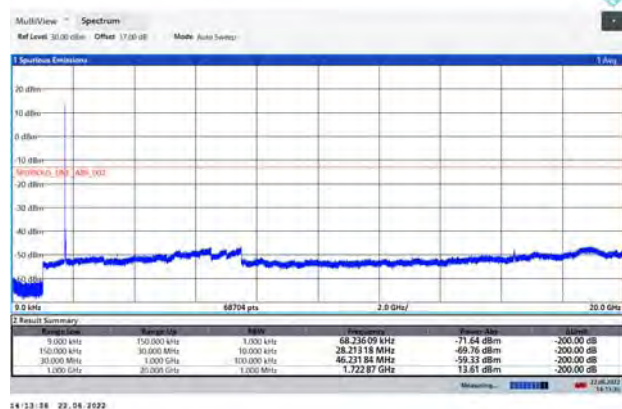
NR n40 Subset 1256QAM 10MHz CH-Middle
9kHz~30GHz

14:15:11 22.06.2022

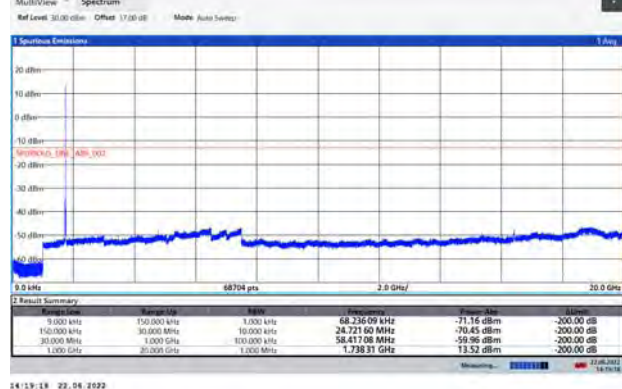
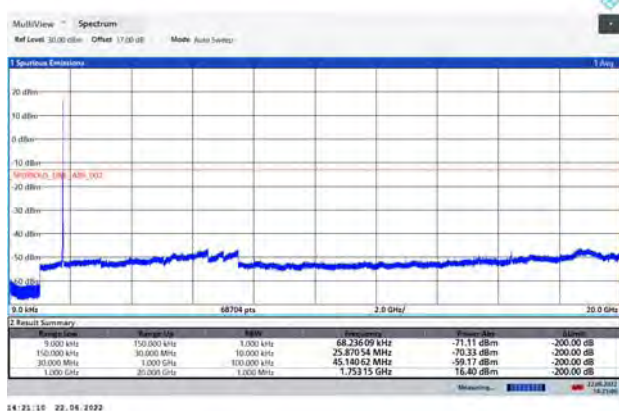
NR n40 Subset 2 P1/2 BPSK 10MHz CH-Middle
9kHz~30GHzNR n40 Subset 2 QPSK 10MHz CH-Middle
9kHz~30GHzNR n40 Subset 2 16QAM 10MHz CH-Middle
9kHz~30GHzNR n40 Subset 2 64QAM 10MHz CH-Middle
9kHz~30GHzNR n40 Subset 2 256QAM 10MHz CH-Middle
9kHz~30GHz

NR n66 P1/2 BPSK 30MHz CH-Low
9kHz~20GHz

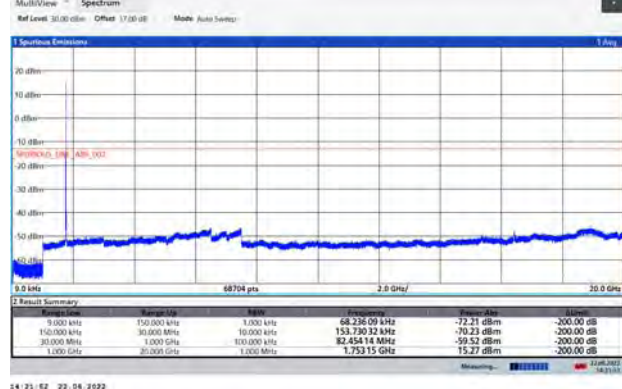
NR n66 QPSK 30MHz CH-Low 9kHz~20GHz

NR n66 P1/2 BPSK 30MHz CH-Middle
9kHz~20GHz

NR n66 QPSK 30MHz CH-Middle 9kHz~20GHz

NR n66 P1/2 BPSK 30MHz CH-High
9kHz~20GHz

NR n66 QPSK 30MHz CH-High 9kHz~20GHz





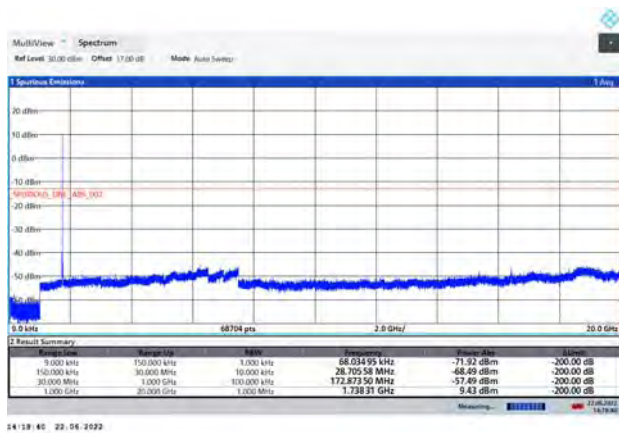
NR n66 16QAM 30MHz CH-Low 9kHz~20GHz



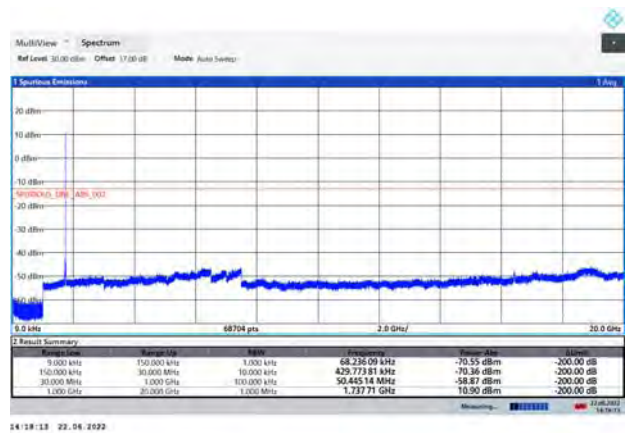
NR n66 64QAM 30MHz CH-Low 9kHz~20GHz



NR n66 16QAM 30MHz CH-Middle 9kHz~20GHz



NR n66 64QAM 30MHz CH-Middle 9kHz~20GHz



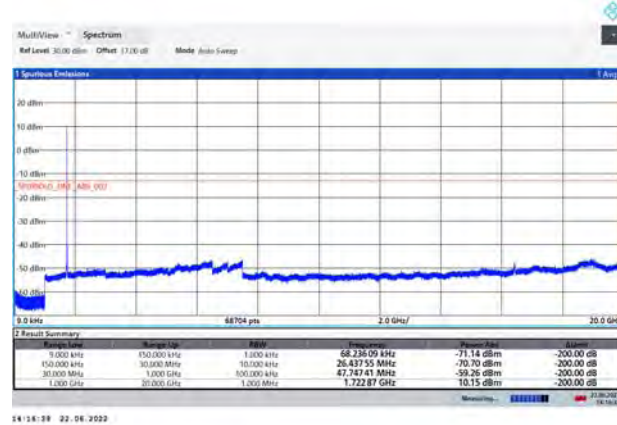
NR n66 16QAM 30MHz CH-High 9kHz~20GHz



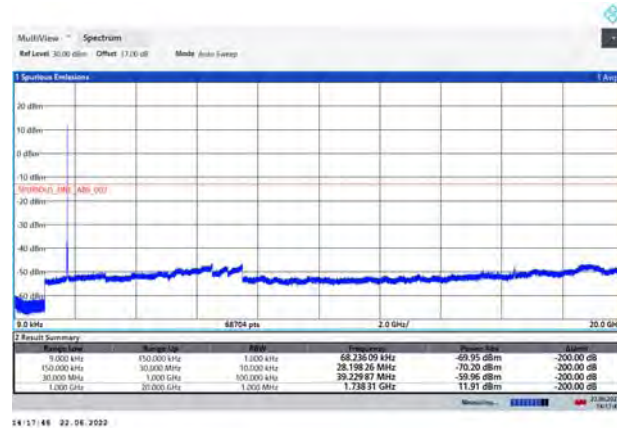
NR n66 64QAM 30MHz CH-High 9kHz~20GHz



NR n66 256QAM 30MHz CH-Low 9kHz~20GHz



NR n66 256QAM 30MHz CH-Middle 9kHz~20GHz



NR n66 256QAM 30MHz CH-High 9kHz~20GHz



DC_2A-n66A P1/2 BPSK 30MHz CH-Low
9kHz~30GHz

15/13/11 22:06:2020

DC_2A-n66A QPSK 30MHz CH-Low
9kHz~30GHz

15/14/24 22:06:2020

DC_2A-n66A P1/2 BPSK 30MHz CH-Middle
9kHz~30GHz

15/24/15 22:06:2020

DC_2A-n66A QPSK 30MHz CH-Middle
9kHz~30GHz

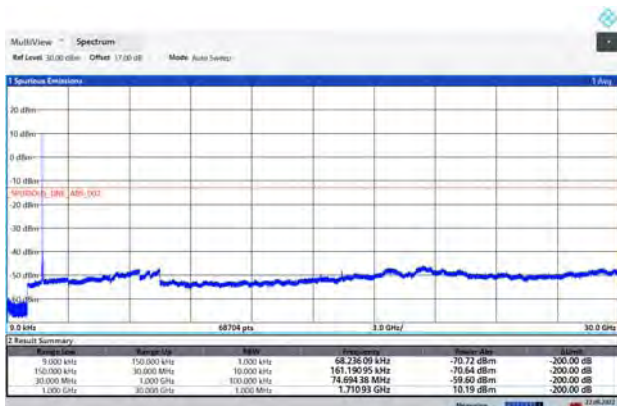
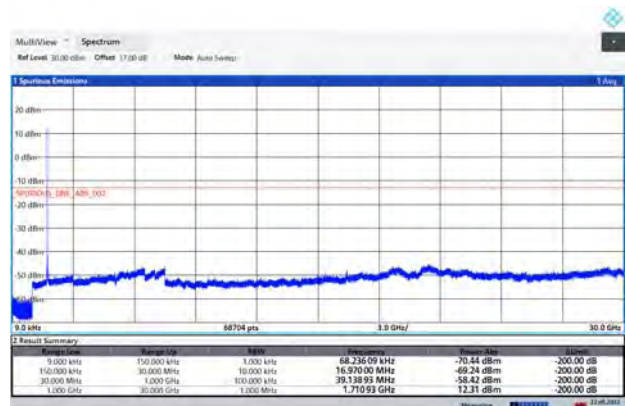
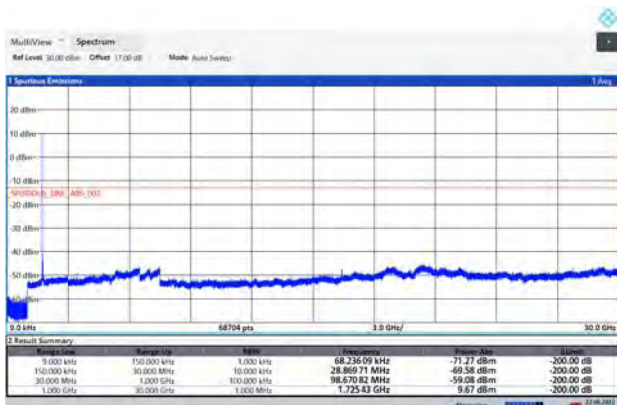
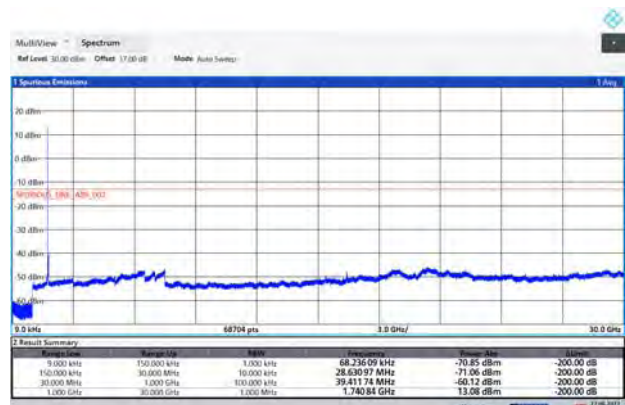
15/24/17 22:06:2020

DC_2A-n66A P1/2 BPSK 30MHz CH-High
9kHz~30GHz

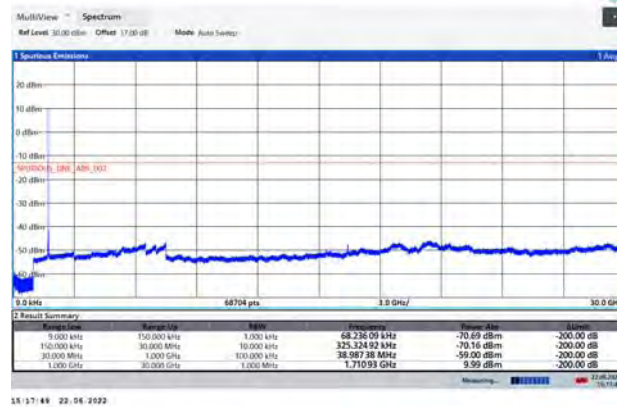
15/29/26 22:06:2020

DC_2A-n66A QPSK 30MHz CH-High
9kHz~30GHz

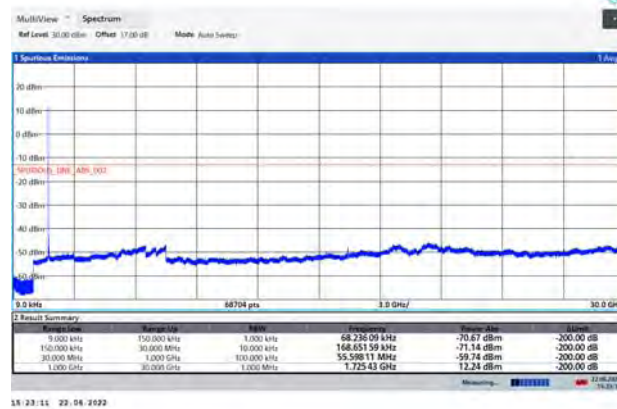
15/30/01 22:06:2020

DC_2A-n66A 16QAM 30MHz CH-Low
9kHz~30GHzDC_2A-n66A 64QAM 30MHz CH-Low
9kHz~30GHzDC_2A-n66A 16QAM 30MHz CH-Middle
9kHz~30GHzDC_2A-n66A 64QAM 30MHz CH-Middle
9kHz~30GHzDC_2A-n66A 16QAM 30MHz CH-High
9kHz~30GHzDC_2A-n66A 64QAM 30MHz CH-High
9kHz~30GHz

DC_2A-n66A 256QAM 30MHz CH-Low 9kHz~30GHz

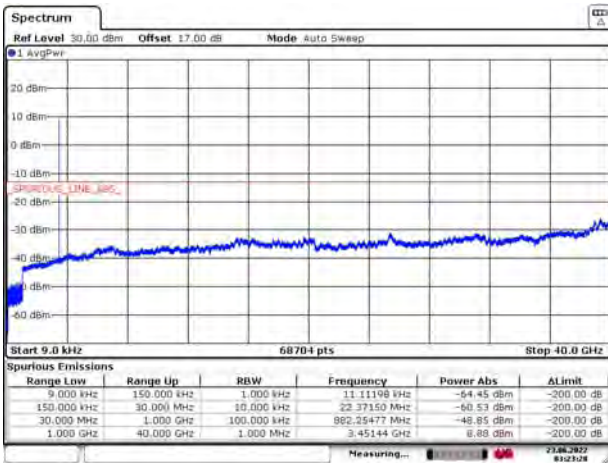


DC_2A-n66A 256QAM 30MHz CH-Middle 9kHz~30GHz

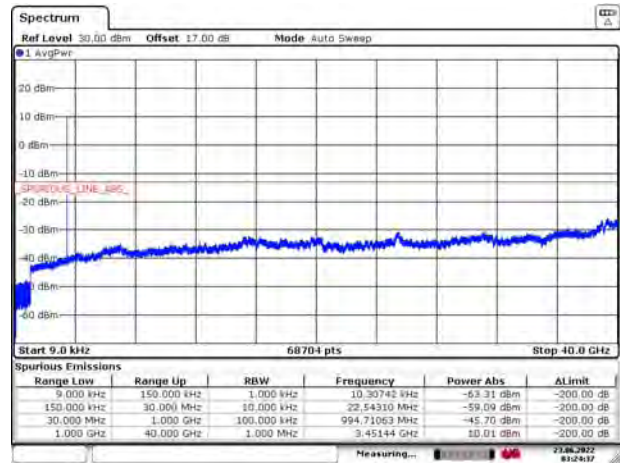


DC_2A-n66A 256QAM 30MHz CH-High 9kHz~30GHz

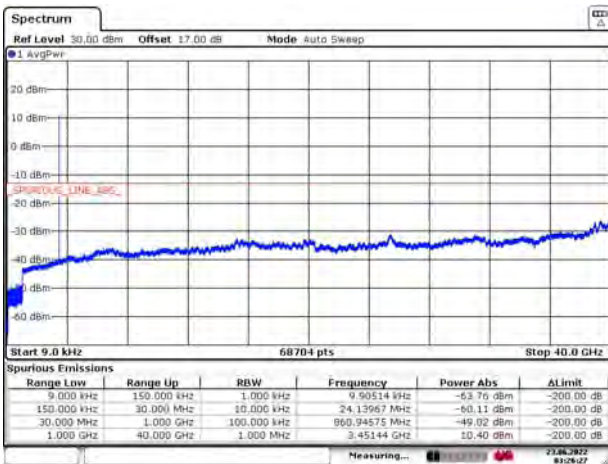


NR n78 Subset 1 P1/2 BPSK 10MHz CH-Middle
9kHz~40GHz

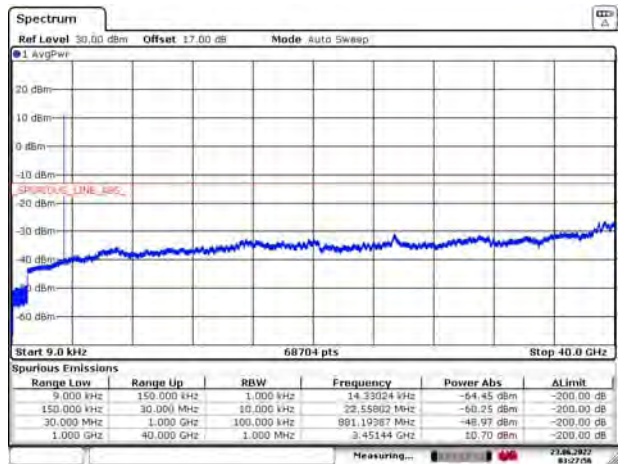
Date: 23 JUN 2022 03:23:29

NR n78 Subset 1 QPSK 10MHz CH-Middle
9kHz~40GHz

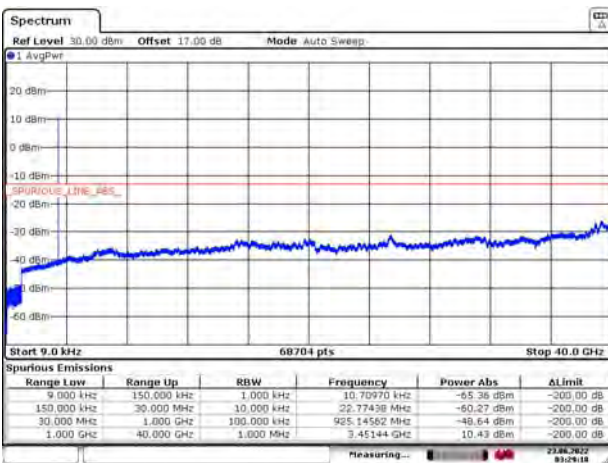
Date: 23 JUN 2022 03:24:38

NR n78 Subset 116QAM 10MHz CH-Middle
9kHz~40GHz

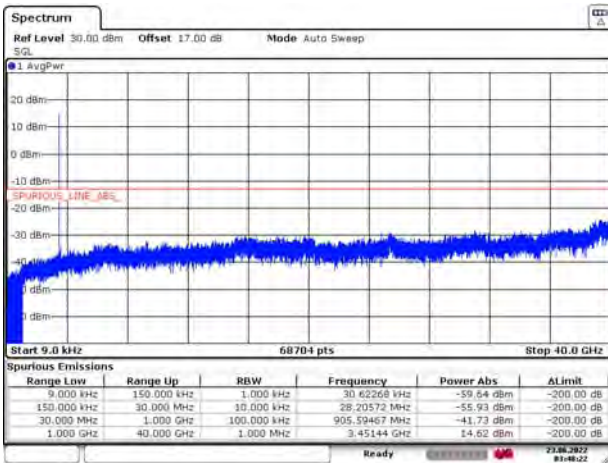
Date: 23 JUN 2022 03:26:29

NR n78 Subset 1 64QAM 10MHz CH-Middle
9kHz~40GHz

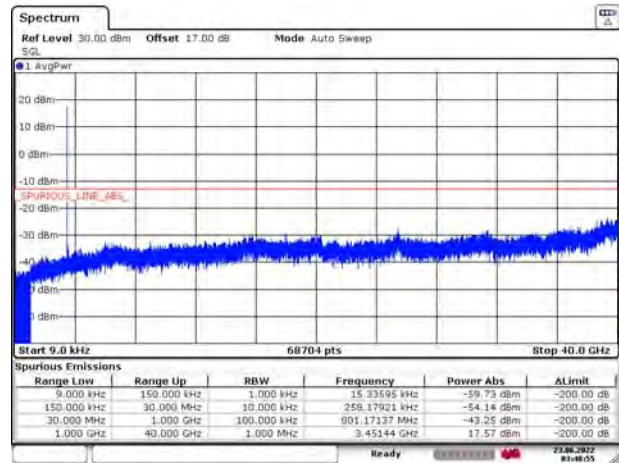
Date: 23 JUN 2022 03:27:56

NR n78 Subset 1256QAM 10MHz CH-Middle
9kHz~40GHz

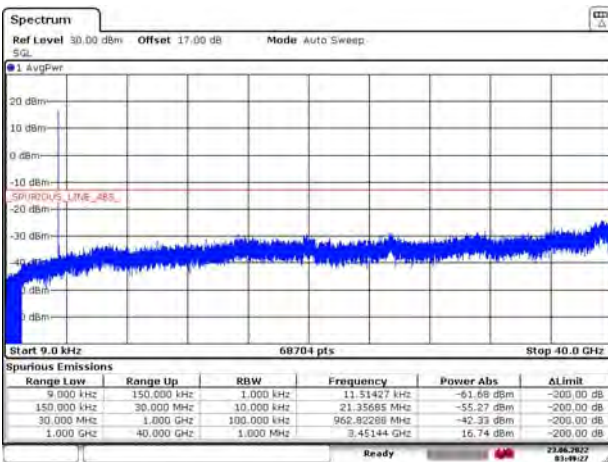
Date: 23 JUN 2022 03:29:18

DC_5A-n78A (Subset 1) P1/2 BPSK 10MHz
CH-Middle 9kHz~40GHz

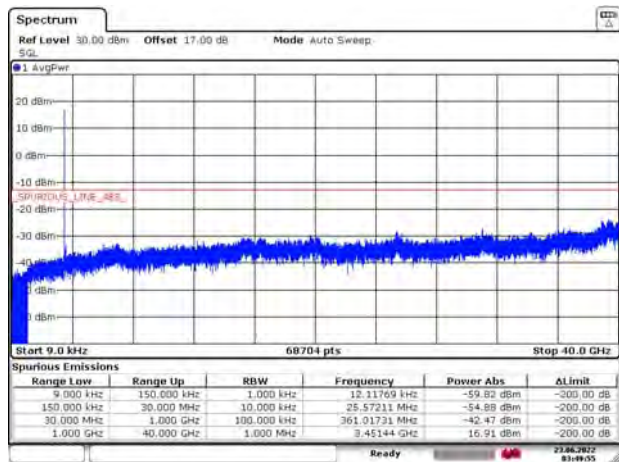
Date: 23 JUN 2022 03:48:22

DC_5A-n78A (Subset 1) QPSK 10MHz
CH-Middle 9kHz~40GHz

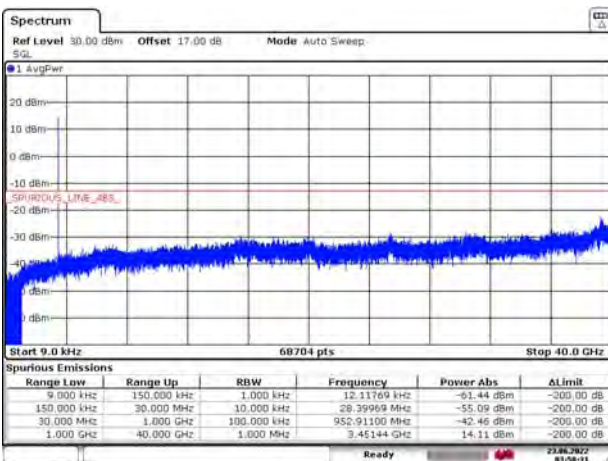
Date: 23 JUN 2022 03:48:55

DC_5A-n78A (Subset 1) 16QAM 10MHz
CH-Middle 9kHz~40GHz

Date: 23 JUN 2022 03:49:27

DC_5A-n78A (Subset 1) 64QAM 10MHz
CH-Middle 9kHz~40GHz

Date: 23 JUN 2022 03:49:55

DC_5A-n78A (Subset 1) 256QAM 10MHz
CH-Middle 9kHz~40GHz

Date: 23 JUN 2022 03:50:32



6.7 Radiates 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.

WCDMA Band IV CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3465.20	-60.48	2.70	12.70	Vertical	-50.48	-13.00	37.48	45
3	5197.80	-57.49	3.20	12.50	Vertical	-48.19	-13.00	35.19	225
4	6930.40	-62.27	4.20	11.80	Vertical	-54.67	-13.00	41.67	135
5	8663.00	-58.23	4.40	12.50	Vertical	-50.13	-13.00	37.13	45
6	10395.60	-53.38	4.70	11.30	Vertical	-46.78	-13.00	33.78	90
7	12128.20	-53.73	5.20	13.80	Vertical	-45.13	-13.00	32.13	225
8	13860.80	-52.24	5.70	11.30	Vertical	-46.64	-13.00	33.64	135
9	15593.40	-53.29	6.10	16.80	Vertical	-42.59	-13.00	29.59	45
10	17326.00	-52.34	6.10	14.20	Vertical	-44.24	-13.00	31.24	135
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 1.4MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3464.25	-62.56	2.70	12.70	Vertical	-52.56	-13.00	39.56	135
3	5197.50	-49.59	3.20	12.50	Vertical	-40.29	-13.00	27.29	45
4	6930.00	-54.97	4.20	11.80	Vertical	-47.37	-13.00	34.37	180
5	8662.50	-59.28	4.40	12.50	Vertical	-51.18	-13.00	38.18	270
6	10395.00	-50.65	4.70	11.30	Vertical	-44.05	-13.00	31.05	45
7	12127.50	-54.77	5.20	13.80	Vertical	-46.17	-13.00	33.17	315
8	13860.00	-51.87	5.70	11.30	Vertical	-46.27	-13.00	33.27	0
9	15592.50	-52.96	6.10	16.80	Vertical	-42.26	-13.00	29.26	225
10	17325.00	-51.68	6.10	14.20	Vertical	-43.58	-13.00	30.58	180
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Vertical position.									



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

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3460.70	-62.25	2.70	12.70	Vertical	-52.25	-13.00	39.25	135
3	5191.00	-54.69	3.20	12.50	Vertical	-45.39	-13.00	32.39	45
4	6921.40	-55.08	4.20	11.80	Vertical	-47.48	-13.00	34.48	90
5	8665.80	-59.34	4.40	12.50	Vertical	-51.24	-13.00	38.24	0
6	10382.60	-52.71	4.70	11.30	Vertical	-46.11	-13.00	33.11	225
7	12120.80	-54.66	5.20	13.80	Vertical	-46.06	-13.00	33.06	180
8	13843.00	-51.23	5.70	11.30	Vertical	-45.63	-13.00	32.63	135
9	15592.50	-53.64	6.10	16.80	Vertical	-42.94	-13.00	29.94	225
10	17325.00	-52.68	6.10	14.20	Vertical	-44.58	-13.00	31.58	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 4 QPSK 20MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3447.10	-62.08	2.70	12.70	Vertical	-52.08	-13.00	39.08	0
3	5170.80	-50.41	3.20	12.50	Vertical	-41.11	-13.00	28.11	45
4	6894.60	-52.31	4.20	11.80	Vertical	-44.71	-13.00	31.71	270
5	8618.00	-58.36	4.40	12.50	Vertical	-50.26	-13.00	37.26	225
6	10341.40	-50.80	4.70	11.30	Vertical	-44.20	-13.00	31.20	180
7	12057.40	-55.10	5.20	13.80	Vertical	-46.50	-13.00	33.50	315
8	13788.40	-51.82	5.70	11.30	Vertical	-46.22	-13.00	33.22	45
9	15512.20	-53.49	6.10	16.80	Vertical	-42.79	-13.00	29.79	135
10	17230.20	-52.63	6.10	14.20	Vertical	-44.53	-13.00	31.53	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	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5065.80	-52.88	3.40	12.50	Vertical	-43.78	-25.00	18.78	135
3	7598.60	-56.47	4.40	12.20	Vertical	-48.67	-25.00	23.67	225
4	10130.63	-51.68	4.70	11.30	Vertical	-45.08	-25.00	20.08	45
5	12675.00	-51.66	5.40	13.20	Vertical	-43.86	-25.00	18.86	180
6	15197.00	-40.57	6.10	13.10	Vertical	-33.57	-25.00	8.57	270
7	17745.00	-53.17	6.10	14.20	Vertical	-45.07	-25.00	20.07	135
8	20280.00	--	--	--	--	--	--	--	--
9	22815.00	--	--	--	--	--	--	--	--
10	25350.00	--	--	--	--	--	--	--	--

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

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

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

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5052.20	-53.00	3.40	12.50	Vertical	-43.90	-25.00	18.90	225
3	7578.30	-56.51	4.40	12.20	Vertical	-48.71	-25.00	23.71	90
4	10104.40	-53.47	4.70	11.30	Vertical	-46.87	-25.00	21.87	45
5	12630.50	-51.25	5.40	13.20	Vertical	-43.45	-25.00	18.45	225
6	15156.60	-39.58	6.10	13.10	Vertical	-32.58	-25.00	7.58	180
7	17682.70	-53.26	6.10	14.20	Vertical	-45.16	-25.00	20.16	135
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 12 QPSK 1.4MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1415.00	-67.36	1.70	8.70	Vertical	-62.51	-13.00	49.51	270
3	2122.50	-58.59	2.10	11.10	Vertical	-51.74	-13.00	38.74	90
4	2830.00	-65.92	2.30	13.10	Vertical	-57.27	-13.00	44.27	0
5	3537.50	-64.45	2.60	12.70	Vertical	-56.50	-13.00	43.50	225
6	4245.00	-62.73	3.30	12.50	Vertical	-55.68	-13.00	42.68	0
7	4952.50	-60.90	3.40	12.50	Vertical	-53.95	-13.00	40.95	135
8	5660.00	-60.78	3.30	12.50	Vertical	-53.73	-13.00	40.73	90
9	6367.50	-58.34	3.80	11.50	Vertical	-52.79	-13.00	39.79	135
10	7075.00	-57.88	4.20	11.80	Vertical	-52.43	-13.00	39.43	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 12 QPSK 5MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1410.60	-67.48	1.70	8.70	Vertical	-62.63	-13.00	49.63	270
3	2115.93	-59.04	2.10	11.10	Vertical	-52.19	-13.00	39.19	90
4	2830.00	-66.24	2.30	13.10	Vertical	-57.59	-13.00	44.59	0
5	3537.50	-64.68	2.60	12.70	Vertical	-56.73	-13.00	43.73	45
6	4245.00	-62.21	3.30	12.50	Vertical	-55.16	-13.00	42.16	90
7	4952.50	-61.17	3.40	12.50	Vertical	-54.22	-13.00	41.22	45
8	5660.00	-60.90	3.30	12.50	Vertical	-53.85	-13.00	40.85	225
9	6367.50	-59.01	3.80	11.50	Vertical	-53.46	-13.00	40.46	135
10	7075.00	-58.52	4.20	11.80	Vertical	-53.07	-13.00	40.07	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 12 QPSK 10MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1401.00	-68.10	1.70	8.70	Vertical	-63.25	-13.00	50.25	270
3	2107.50	-60.09	2.10	11.10	Vertical	-53.24	-13.00	40.24	0
4	2810.00	-66.13	2.30	13.10	Vertical	-57.48	-13.00	44.48	90
5	3537.50	-65.13	2.60	12.70	Vertical	-57.18	-13.00	44.18	45
6	4245.00	-62.65	3.30	12.50	Vertical	-55.60	-13.00	42.60	0
7	4952.50	-61.29	3.40	12.50	Vertical	-54.34	-13.00	41.34	225
8	5660.00	-59.24	3.30	12.50	Vertical	-52.19	-13.00	39.19	45
9	6367.50	-59.02	3.80	11.50	Vertical	-53.47	-13.00	40.47	90
10	7075.00	-58.21	4.20	11.80	Vertical	-52.76	-13.00	39.76	45

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 13 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	1559.00	-70.57	1.70	8.70	Vertical	-63.57	-40.00	23.57	45
Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
3	2338.50	-59.52	2.10	12.00	Vertical	-51.77	-13.00	38.77	135
4	3118.00	-65.74	2.30	13.10	Vertical	-57.09	-13.00	44.09	0
5	3897.50	-64.89	2.90	12.50	Vertical	-57.44	-13.00	44.44	45
6	4677.00	-62.43	3.10	12.50	Vertical	-55.18	-13.00	42.18	90
7	5456.50	-59.96	3.30	12.50	Vertical	-52.91	-13.00	39.91	135
8	6236.00	-61.49	3.50	12.80	Vertical	-54.34	-13.00	41.34	225
9	7015.50	-59.69	4.20	11.80	Vertical	-54.24	-13.00	41.24	90
10	7795.00	-55.41	4.40	12.30	Vertical	-49.66	-13.00	36.66	45

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 13 QPSK 10MHz 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	1554.00	-68.60	1.70	8.70	Vertical	-61.60	-40.00	21.60	45
Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
3	2331.00	-59.57	2.10	12.00	Vertical	-51.82	-13.00	38.82	135
4	3108.00	-65.75	2.30	13.10	Vertical	-57.10	-13.00	44.10	135
5	3885.00	-65.55	2.90	12.50	Vertical	-58.10	-13.00	45.10	90
6	4662.00	-61.83	3.10	12.50	Vertical	-54.58	-13.00	41.58	45
7	5439.00	-60.05	3.30	12.50	Vertical	-53.00	-13.00	40.00	0
8	6216.00	-60.70	3.50	12.80	Vertical	-53.55	-13.00	40.55	135
9	6993.00	-59.65	4.20	11.80	Vertical	-54.20	-13.00	41.20	90
10	7770.00	-55.87	4.40	12.30	Vertical	-50.12	-13.00	37.12	45

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 17 QPSK 5MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1415.00	-65.89	1.70	8.70	Vertical	-61.04	-13.00	48.04	45
3	2122.50	-59.56	2.10	11.10	Vertical	-52.71	-13.00	39.71	90
4	2830.00	-66.35	2.50	13.10	Vertical	-57.90	-13.00	44.90	135
5	3537.50	-64.87	2.60	12.70	Vertical	-56.92	-13.00	43.92	225
6	4245.00	-61.99	3.30	12.50	Vertical	-54.94	-13.00	41.94	45
7	4952.50	-61.39	3.40	12.50	Vertical	-54.44	-13.00	41.44	135
8	5660.00	-60.68	3.40	12.80	Vertical	-53.43	-13.00	40.43	90
9	6367.50	-58.44	4.10	11.50	Vertical	-53.19	-13.00	40.19	225
10	7075.00	-58.38	4.20	12.20	Vertical	-52.53	-13.00	39.53	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 17 QPSK 10MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1410.00	-66.87	1.70	8.70	Vertical	-62.02	-13.00	49.02	225
3	2115.00	-59.03	2.10	11.10	Vertical	-52.18	-13.00	39.18	45
4	2820.00	-66.57	2.50	13.10	Vertical	-58.12	-13.00	45.12	0
5	3525.00	-64.90	2.60	12.70	Vertical	-56.95	-13.00	43.95	135
6	4230.00	-62.26	3.30	12.50	Vertical	-55.21	-13.00	42.21	90
7	4935.00	-61.35	3.40	12.50	Vertical	-54.40	-13.00	41.40	0
8	5640.00	-60.85	3.40	12.80	Vertical	-53.60	-13.00	40.60	315
9	6345.00	-58.84	4.10	11.50	Vertical	-53.59	-13.00	40.59	90
10	7050.00	-59.60	4.20	12.20	Vertical	-53.75	-13.00	40.75	180

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	5185.0	-45.59	3.20	12.50	Vertical	-36.29	-25.0	11.29	270
3	7777.5	-47.71	4.40	12.30	Vertical	-39.81	-25.0	14.81	270
4	10370.0	-50.97	4.70	11.80	Vertical	-43.87	-25.0	18.87	0
5	12962.5	-54.77	5.40	14.00	Vertical	-46.17	-25.0	21.17	135
6	15555.0	-46.50	6.10	16.80	Vertical	-35.80	-25.0	10.80	90
7	18147.5	--	--	--	--	--	--	--	--
8	20740.0	--	--	--	--	--	--	--	--
9	23332.5	--	--	--	--	--	--	--	--
10	25925.0	--	--	--	--	--	--	--	--

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 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	5170.0	-47.49	3.20	12.50	Vertical	-38.19	-25.0	13.19	45
3	7755.0	-47.51	4.40	12.30	Vertical	-39.61	-25.0	14.61	45
4	10340.0	-51.31	4.70	11.80	Vertical	-44.21	-25.0	19.21	135
5	12925.0	-54.05	5.40	14.00	Vertical	-45.45	-25.0	20.45	45
6	15510.0	-45.84	6.10	16.80	Vertical	-35.14	-25.0	10.14	0
7	18095.0	--	--	--	--	--	--	--	--
8	20680.0	--	--	--	--	--	--	--	--
9	23265.0	--	--	--	--	--	--	--	--
10	25850.0	--	--	--	--	--	--	--	--

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 40 Subset 1 QPSK 5MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	4615.80	-66.35	3.20	12.50	Vertical	-57.05	-40.00	17.05	0
3	6922.50	-68.93	4.40	12.30	Vertical	-61.03	-40.00	21.03	0
4	9230.00	-64.09	4.70	11.80	Vertical	-56.99	-40.00	16.99	270
5	11537.50	-62.34	5.40	14.00	Vertical	-53.74	-40.00	13.74	270
6	13845.00	-64.89	6.10	16.80	Vertical	-54.19	-40.00	14.19	270
7	16152.50	-60.39	5.70	14.15	Vertical	-51.94	-40.00	11.94	0
8	18781.50	--	--	--	--	--	--	--	--
9	21128.75	--	--	--	--	--	--	--	--
10	23476.00	--	--	--	--	--	--	--	--

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 40 Subset 1 QPSK 10MHz 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	4610.00	-67.60	3.20	12.50	Vertical	-58.30	-40.00	18.30	270
3	6915.00	-67.09	4.40	12.30	Vertical	-59.19	-40.00	19.19	270
4	9220.00	-63.84	4.70	11.80	Vertical	-56.74	-40.00	16.74	270
5	11525.00	-62.73	5.40	14.00	Vertical	-54.13	-40.00	14.13	0
6	13830.00	-64.79	6.10	16.80	Vertical	-54.09	-40.00	14.09	225
7	16135.00	-60.67	5.70	14.15	Vertical	-52.22	-40.00	12.22	270
8	18817.90	--	--	--	--	--	--	--	--
9	21183.60	--	--	--	--	--	--	--	--
10	23549.30	--	--	--	--	--	--	--	--
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 40 Subset 2 QPSK 5MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	4705.00	-67.44	3.20	12.50	Vertical	-58.14	-40.00	18.14	270
3	7057.50	-65.62	4.40	12.30	Vertical	-57.72	-40.00	17.72	270
4	9410.00	-62.01	4.70	11.80	Vertical	-54.91	-40.00	14.91	270
5	11762.50	-61.69	5.40	14.00	Vertical	-53.09	-40.00	13.09	270
6	14115.00	-64.28	6.10	16.80	Vertical	-53.58	-40.00	13.58	270
7	16467.50	-61.09	5.70	14.15	Vertical	-52.64	-40.00	12.64	270
8	18781.50	--	--	--	--	--	--	--	--
9	21128.75	--	--	--	--	--	--	--	--
10	23476.00	--	--	--	--	--	--	--	--
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 40 Subset 2 QPSK 10MHz 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	4700.00	-68.42	3.20	12.50	Vertical	-59.12	-40.00	19.12	315
3	7050.00	-65.49	4.40	12.30	Vertical	-57.59	-40.00	17.59	180
4	9400.00	-60.14	4.70	11.80	Vertical	-53.04	-40.00	13.04	45
5	11750.00	-61.52	5.40	14.00	Vertical	-52.92	-40.00	12.92	0
6	14100.00	-64.74	6.10	16.80	Vertical	-54.04	-40.00	14.04	225
7	16450.00	-61.23	5.70	14.15	Vertical	-52.78	-40.00	12.78	135
8	18817.90	--	--	--	--	--	--	--	--
9	21183.60	--	--	--	--	--	--	--	--
10	23549.30	--	--	--	--	--	--	--	--

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	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3489.00	-62.24	2.70	12.70	Vertical	-52.24	-13.00	39.24	0
3	5233.50	-64.29	3.20	12.50	Vertical	-54.99	-13.00	41.99	225
4	6978.00	-64.67	4.20	11.80	Vertical	-57.07	-13.00	44.07	45
5	8722.50	-68.43	4.40	12.50	Vertical	-60.33	-13.00	47.33	180
6	10395.00	-63.53	4.70	11.80	Vertical	-56.43	-13.00	43.43	270
7	12211.50	-63.74	5.20	13.80	Vertical	-55.14	-13.00	42.14	90
8	13860.00	-64.62	5.70	13.20	Vertical	-57.12	-13.00	44.12	270
9	15701.25	-65.26	6.10	16.80	Vertical	-54.56	-13.00	41.56	0
10	17325.00	-64.28	6.10	14.20	Vertical	-56.18	-13.00	43.18	135

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	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3485.00	-62.82	2.70	12.70	Vertical	-52.82	-13.00	39.82	225
3	5228.63	-62.98	3.20	12.50	Vertical	-53.68	-13.00	40.68	315
4	6971.00	-66.49	4.20	11.80	Vertical	-58.89	-13.00	45.89	180
5	8714.25	-68.65	4.40	12.50	Vertical	-60.55	-13.00	47.55	90
6	10395.00	-63.50	4.70	11.80	Vertical	-56.40	-13.00	43.40	0
7	12199.50	-62.47	5.20	13.80	Vertical	-53.87	-13.00	40.87	45
8	13860.00	-64.73	5.70	13.20	Vertical	-57.23	-13.00	44.23	90
9	15685.50	-66.87	6.10	16.80	Vertical	-56.17	-13.00	43.17	315
10	17325.00	-64.14	6.10	14.20	Vertical	-56.04	-13.00	43.04	180
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	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3472.00	-64.46	2.70	12.70	Vertical	-54.46	-13.00	41.46	180
3	5208.00	-62.14	3.20	12.50	Vertical	-52.84	-13.00	39.84	135
4	6944.00	-68.03	4.20	11.80	Vertical	-60.43	-13.00	47.43	90
5	8680.50	-68.23	4.40	12.50	Vertical	-60.13	-13.00	47.13	270
6	10395.00	-64.19	4.70	11.80	Vertical	-57.09	-13.00	44.09	90
7	12151.50	-64.10	5.20	13.80	Vertical	-55.50	-13.00	42.50	45
8	13860.00	-64.75	5.70	13.20	Vertical	-57.25	-13.00	44.25	180
9	15592.50	-65.73	6.10	16.80	Vertical	-55.03	-13.00	42.03	225
10	17325.00	-63.50	6.10	14.20	Vertical	-55.40	-13.00	42.40	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.									



CA 7C_10M+20M QPSK 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	5042.00	-49.30	3.40	12.50	Vertical	-40.20	-25.00	15.20	0
3	7562.20	-55.81	4.40	12.20	Vertical	-48.01	-25.00	23.01	225
4	10101.20	-51.92	4.70	11.30	Vertical	-45.32	-25.00	20.32	315
5	12626.50	-52.02	5.40	13.20	Vertical	-44.22	-25.00	19.22	45
6	15126.00	-39.12	6.10	13.10	Vertical	-32.12	-25.00	7.12	90
7	17677.10	-52.20	6.10	14.20	Vertical	-44.10	-25.00	19.10	0
8	20202.40	--	--	--	--	--	--	--	--
9	22727.70	--	--	--	--	--	--	--	--
10	25253.00	--	--	--	--	--	--	--	--

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.

CA 7C_20M+10M QPSK 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	5059.60	-62.57	3.40	12.50	Vertical	-53.47	-25.00	28.47	270
3	7589.40	-59.29	4.40	12.20	Vertical	-51.49	-25.00	26.49	45
4	10119.20	-51.50	4.70	11.30	Vertical	-44.90	-25.00	19.90	0
5	12649.00	-50.87	5.40	13.20	Vertical	-43.07	-25.00	18.07	90
6	15178.80	-48.68	6.10	13.10	Vertical	-41.68	-25.00	16.68	135
7	17708.60	-52.41	6.10	14.20	Vertical	-44.31	-25.00	19.31	0
8	20238.40	--	--	--	--	--	--	--	--
9	22768.20	--	--	--	--	--	--	--	--
10	25298.00	--	--	--	--	--	--	--	--

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.



CA 7C_15M+15M QPSK CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5065.00	-62.63	3.40	12.50	Vertical	-53.53	-25.00	28.53	90
3	7597.50	-58.92	4.40	12.20	Vertical	-51.12	-25.00	26.12	0
4	10130.00	-51.30	4.70	11.30	Vertical	-44.70	-25.00	19.70	45
5	12662.50	-52.61	5.40	13.20	Vertical	-44.81	-25.00	19.81	0
6	15195.00	-49.07	6.10	13.10	Vertical	-42.07	-25.00	17.07	180
7	17727.50	-51.15	6.10	14.20	Vertical	-43.05	-25.00	18.05	90
8	20260.00	--	--	--	--	--	--	--	--
9	22792.50	--	--	--	--	--	--	--	--
10	25325.00	--	--	--	--	--	--	--	--

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.

CA 7C_20M+20M QPSK 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	5030.00	-62.15	3.40	12.50	Vertical	-53.05	-25.00	28.05	90
3	7545.00	-58.95	4.40	12.20	Vertical	-51.15	-25.00	26.15	90
4	10060.00	-52.01	4.70	11.30	Vertical	-45.41	-25.00	20.41	0
5	12575.00	-52.62	5.40	13.20	Vertical	-44.82	-25.00	19.82	270
6	15090.00	-49.09	6.10	13.10	Vertical	-42.09	-25.00	17.09	45
7	17605.00	-51.82	6.10	14.20	Vertical	-43.72	-25.00	18.72	180
8	20120.00	--	--	--	--	--	--	--	--
9	22635.00	--	--	--	--	--	--	--	--
10	25150.00	--	--	--	--	--	--	--	--

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.



NR n7 QPSK 5MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5065.00	-57.58	3.40	12.50	Vertical	-48.48	-25.00	23.48	180
3	7597.50	-59.26	4.40	12.20	Vertical	-51.46	-25.00	26.46	225
4	10130.00	-49.56	4.70	11.30	Vertical	-42.96	-25.00	17.96	0
5	12662.50	-51.34	5.40	13.20	Vertical	-43.54	-25.00	18.54	45
6	15195.00	-46.61	6.10	13.10	Vertical	-39.61	-25.00	14.61	90
7	17727.50	-51.34	6.10	14.20	Vertical	-43.24	-25.00	18.24	90
8	20260.00	--	--	--	--	--	--	--	--
9	22792.50	--	--	--	--	--	--	--	--
10	25325.00	--	--	--	--	--	--	--	--

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.

NR n7 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	-58.30	3.40	12.50	Vertical	-49.20	-25.00	24.20	45
3	7575.00	-58.41	4.40	12.20	Vertical	-50.61	-25.00	25.61	135
4	10100.00	-49.88	4.70	11.30	Vertical	-43.28	-25.00	18.28	90
5	12625.00	-50.04	5.40	13.20	Vertical	-42.24	-25.00	17.24	0
6	15150.00	-47.23	6.10	13.10	Vertical	-40.23	-25.00	15.23	45
7	17675.00	-49.66	6.10	14.20	Vertical	-41.56	-25.00	16.56	0
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.



DC_28A (Subset 1)-n7A QPSK 5MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5065.00	-60.93	3.40	12.50	Vertical	-51.83	-25.00	26.83	45
3	7597.50	-46.71	4.40	12.20	Vertical	-38.91	-25.00	13.91	225
4	10130.00	-40.24	4.70	11.30	Vertical	-33.64	-25.00	8.64	90
5	12662.50	-52.15	5.40	13.20	Vertical	-44.35	-25.00	19.35	270
6	15195.00	-51.97	6.10	13.10	Vertical	-44.97	-25.00	19.97	135
7	17727.50	-49.35	6.10	14.20	Vertical	-41.25	-25.00	16.25	90
8	20260.00	--	--	--	--	--	--	--	--
9	22792.50	--	--	--	--	--	--	--	--
10	25325.00	--	--	--	--	--	--	--	--

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.

DC_28A (Subset 1)-n7A 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	-57.45	3.40	12.50	Vertical	-48.35	-25.00	23.35	270
3	7575.00	-49.40	4.40	12.20	Vertical	-41.60	-25.00	16.60	90
4	10100.00	-40.92	4.70	11.30	Vertical	-34.32	-25.00	9.32	135
5	12625.00	-52.78	5.40	13.20	Vertical	-44.98	-25.00	19.98	45
6	15150.00	-53.22	6.10	13.10	Vertical	-46.22	-25.00	21.22	0
7	17675.00	-50.00	6.10	14.20	Vertical	-41.90	-25.00	16.90	225
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.



NR n40 Subset 1 QPSK 10MHz 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	4610.00	-57.95	3.20	12.50	Vertical	-48.65	-40.00	8.65	225
3	6915.00	-69.82	4.40	12.30	Vertical	-61.92	-40.00	21.92	45
4	9220.00	-59.94	4.70	11.80	Vertical	-52.84	-40.00	12.84	0
5	11525.00	-59.70	5.40	14.00	Vertical	-51.10	-40.00	11.10	90
6	13830.00	-65.71	6.10	16.80	Vertical	-55.01	-40.00	15.01	45
7	16135.00	-62.79	5.70	14.15	Vertical	-54.34	-40.00	14.34	0
8	18440.00	--	--	--	--	--	--	--	--
9	20745.00	--	--	--	--	--	--	--	--
10	23050.00	--	--	--	--	--	--	--	--

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.



NR n40 Subset 2 QPSK 10MHz 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	4700.00	-61.16	3.20	12.50	Vertical	-51.86	-40.00	11.86	225
3	7050.00	-63.10	4.40	12.30	Vertical	-55.20	-40.00	15.20	0
4	9400.00	-54.78	4.70	11.80	Vertical	-47.68	-40.00	7.68	0
5	11750.00	-61.89	5.40	14.00	Vertical	-53.29	-40.00	13.29	45
6	14100.00	-63.11	6.10	16.80	Vertical	-52.41	-40.00	12.41	0
7	16450.00	-60.66	5.70	14.15	Vertical	-52.21	-40.00	12.21	225
8	18800.00	--	--	--	--	--	--	--	--
9	21150.00	--	--	--	--	--	--	--	--
10	23500.00	--	--	--	--	--	--	--	--

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.

NR n66 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	3485.00	-74.74	2.70	12.70	Vertical	-64.74	-13.00	51.74	225
3	5227.50	-63.71	3.20	12.50	Vertical	-54.41	-13.00	41.41	45
4	6970.00	-67.03	4.20	11.80	Vertical	-59.43	-13.00	46.43	0
5	8712.50	-67.84	4.40	12.50	Vertical	-59.74	-13.00	46.74	45
6	10455.00	-64.23	4.70	11.80	Vertical	-57.13	-13.00	44.13	0
7	12197.50	-63.22	5.20	13.80	Vertical	-54.62	-13.00	41.62	45
8	13940.00	-63.63	5.70	13.20	Vertical	-56.13	-13.00	43.13	225
9	15682.50	-65.20	6.10	16.80	Vertical	-54.50	-13.00	41.50	45
10	17425.00	-61.21	6.10	14.20	Vertical	-53.11	-13.00	40.11	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.



NR n66 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	3470.00	-72.77	2.70	12.70	Vertical	-62.77	-13.00	49.77	45
3	5205.00	-61.66	3.20	12.50	Vertical	-52.36	-13.00	39.36	0
4	6940.00	-65.22	4.20	11.80	Vertical	-57.62	-13.00	44.62	225
5	8675.00	-67.43	4.40	12.50	Vertical	-59.33	-13.00	46.33	45
6	10410.00	-63.31	4.70	11.80	Vertical	-56.21	-13.00	43.21	45
7	12145.00	-63.98	5.20	13.80	Vertical	-55.38	-13.00	42.38	225
8	13880.00	-64.31	5.70	13.20	Vertical	-56.81	-13.00	43.81	0
9	15615.00	-64.19	6.10	16.80	Vertical	-53.49	-13.00	40.49	0
10	17350.00	-60.32	6.10	14.20	Vertical	-52.22	-13.00	39.22	45

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.

NR n66 QPSK 40MHz 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	3450.00	-71.69	2.70	12.70	Vertical	-61.69	-13.00	48.69	225
3	5175.00	-62.86	3.20	12.50	Vertical	-53.56	-13.00	40.56	45
4	6900.00	-65.80	4.20	11.80	Vertical	-58.20	-13.00	45.20	0
5	8625.00	-67.85	4.40	12.50	Vertical	-59.75	-13.00	46.75	45
6	10350.00	-63.43	4.70	11.80	Vertical	-56.33	-13.00	43.33	45
7	12075.00	-63.66	5.20	13.80	Vertical	-55.06	-13.00	42.06	0
8	13800.00	-63.76	5.70	13.20	Vertical	-56.26	-13.00	43.26	45
9	15525.00	-64.27	6.10	16.80	Vertical	-53.57	-13.00	40.57	225
10	17250.00	-60.15	6.10	14.20	Vertical	-52.05	-13.00	39.05	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.



DC_28A (Subset 1) -n66A QPSK 40MHz 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	3450.00	-68.08	2.70	12.70	Vertical	-58.08	-13.00	45.08	0
3	5175.00	-63.57	3.20	12.50	Vertical	-54.27	-13.00	41.27	90
4	6900.00	-60.23	4.20	11.80	Vertical	-52.63	-13.00	39.63	45
5	8625.00	-55.33	4.40	12.50	Vertical	-47.23	-13.00	34.23	315
6	10350.00	-52.86	4.70	11.80	Vertical	-45.76	-13.00	32.76	90
7	12075.00	-53.82	5.20	13.80	Vertical	-45.22	-13.00	32.22	225
8	13800.00	-49.89	5.70	13.20	Vertical	-42.39	-13.00	29.39	90
9	15525.00	-55.07	6.10	16.80	Vertical	-44.37	-13.00	31.37	45
10	17250.00	-49.86	6.10	14.20	Vertical	-41.76	-13.00	28.76	270

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

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



DC_28A (Subset 1) -n66A 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	3470.00	-70.80	2.70	12.70	Vertical	-60.80	-13.00	47.80	45
3	5205.00	-66.65	3.20	12.50	Vertical	-57.35	-13.00	44.35	225
4	6940.00	-61.46	4.20	11.80	Vertical	-53.86	-13.00	40.86	90
5	8675.00	-54.11	4.40	12.50	Vertical	-46.01	-13.00	33.01	45
6	10410.00	-52.39	4.70	11.80	Vertical	-45.29	-13.00	32.29	225
7	12145.00	-54.05	5.20	13.80	Vertical	-45.45	-13.00	32.45	90
8	13880.00	-49.55	5.70	13.20	Vertical	-42.05	-13.00	29.05	135
9	15615.00	-56.29	6.10	16.80	Vertical	-45.59	-13.00	32.59	270
10	17350.00	-49.39	6.10	14.20	Vertical	-41.29	-13.00	28.29	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.

DC_28A (Subset 1) -n66A 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	3485.00	-64.85	2.70	12.70	Vertical	-54.85	-13.00	41.85	135
3	5227.50	-65.72	3.20	12.50	Vertical	-56.42	-13.00	43.42	45
4	6970.00	-60.33	4.20	11.80	Vertical	-52.73	-13.00	39.73	225
5	8712.50	-56.54	4.40	12.50	Vertical	-48.44	-13.00	35.44	90
6	10455.00	-51.92	4.70	11.80	Vertical	-44.82	-13.00	31.82	45
7	12197.50	-54.90	5.20	13.80	Vertical	-46.30	-13.00	33.30	270
8	13940.00	-49.39	5.70	13.20	Vertical	-41.89	-13.00	28.89	90
9	15682.50	-55.89	6.10	16.80	Vertical	-45.19	-13.00	32.19	45
10	17425.00	-49.73	6.10	14.20	Vertical	-41.63	-13.00	28.63	315

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.



NR n78 Subset 1 QPSK 20MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	6980.00	-63.00	4.20	11.80	Vertical	-55.40	-13.00	42.40	135
3	10470.00	-47.97	4.70	11.30	Vertical	-41.37	-13.00	28.37	45
4	13960.00	-54.77	5.70	11.30	Vertical	-49.17	-13.00	36.17	180
5	17450.00	-51.49	6.10	10.10	Vertical	-47.49	-13.00	34.49	225
6	20940.00	--	--	--	--	--	--	--	--
7	24430.00	--	--	--	--	--	--	--	--
8	27920.00	--	--	--	--	--	--	--	--
9	31410.00	--	--	--	--	--	--	--	--
10	34900.00	--	--	--	--	--	--	--	--

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.

NR n78 Subset 1 QPSK 60MHz 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	6950.00	-64.03	4.20	11.80	Vertical	-56.43	-13.00	43.43	225
3	10368.00	-47.55	4.70	11.30	Vertical	-40.95	-13.00	27.95	45
4	13900.00	-53.51	5.70	11.30	Vertical	-47.91	-13.00	34.91	0
5	17375.00	-51.79	6.10	10.10	Vertical	-47.79	-13.00	34.79	135
6	20850.00	--	--	--	--	--	--	--	--
7	24325.00	--	--	--	--	--	--	--	--
8	27800.00	--	--	--	--	--	--	--	--
9	31275.00	--	--	--	--	--	--	--	--
10	34750.00	--	--	--	--	--	--	--	--

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.



NR n78 Subset 1 QPSK 100MHz 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	6900.00	-55.80	4.20	11.80	Vertical	-48.20	-13.00	35.20	45
3	10350.00	-54.48	4.70	11.30	Vertical	-47.88	-13.00	34.88	225
4	13800.00	-54.65	5.70	11.30	Vertical	-49.05	-13.00	36.05	0
5	17250.00	-51.36	6.10	10.10	Vertical	-47.36	-13.00	34.36	90
6	20700.00	--	--	--	--	--	--	--	--
7	24150.00	--	--	--	--	--	--	--	--
8	27600.00	--	--	--	--	--	--	--	--
9	31050.00	--	--	--	--	--	--	--	--
10	34500.00	--	--	--	--	--	--	--	--

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.

DC_7A-n78A (Subset 1) QPSK 100MHz 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	6900.00	-60.93	4.20	11.80	Vertical	-53.33	-13.00	40.33	135
3	10350.00	-49.39	4.70	11.30	Vertical	-42.79	-13.00	29.79	90
4	13800.00	-47.71	5.70	11.30	Vertical	-42.11	-13.00	29.11	90
5	17250.00	-44.69	6.10	10.10	Vertical	-40.69	-13.00	27.69	225
6	20700.00	--	--	--	--	--	--	--	--
7	24150.00	--	--	--	--	--	--	--	--
8	27600.00	--	--	--	--	--	--	--	--
9	31050.00	--	--	--	--	--	--	--	--
10	34500.00	--	--	--	--	--	--	--	--

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.



DC_7A-n78A (Subset 1) QPSK 50MHz 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	6950.00	-59.93	4.20	11.80	Vertical	-52.33	-13.00	39.33	135
3	10425.00	-43.51	4.70	11.30	Vertical	-36.91	-13.00	23.91	135
4	13900.00	-46.68	5.70	11.30	Vertical	-41.08	-13.00	28.08	270
5	17375.00	-45.61	6.10	10.10	Vertical	-41.61	-13.00	28.61	45
6	20850.00	--	--	--	--	--	--	--	--
7	24325.00	--	--	--	--	--	--	--	--
8	27800.00	--	--	--	--	--	--	--	--
9	31275.00	--	--	--	--	--	--	--	--
10	34750.00	--	--	--	--	--	--	--	--

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.

DC_7A-n78A (Subset 1) QPSK 20MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	6980.00	-62.07	4.20	11.80	Vertical	-54.47	-13.00	41.47	45
3	10470.00	-51.27	4.70	11.30	Vertical	-44.67	-13.00	31.67	315
4	13960.00	-48.50	5.70	11.30	Vertical	-42.90	-13.00	29.90	90
5	17450.00	-45.73	6.10	10.10	Vertical	-41.73	-13.00	28.73	225
6	20940.00	--	--	--	--	--	--	--	--
7	24430.00	--	--	--	--	--	--	--	--
8	27920.00	--	--	--	--	--	--	--	--
9	31410.00	--	--	--	--	--	--	--	--
10	34900.00	--	--	--	--	--	--	--	--

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	Keysight	N9020A	MY50510203	2021-12-12	2022-12-11
Universal Radio Communication Tester	Agilent	E5515C	GB44400275	2021-12-12	2022-12-11
Universal Radio Communication Tester	StarPoint	SP9500	SP9500-20440	2022-05-14	2023-05-13
Signal Analyzer	R&S	FSV3030	101411	2021-12-12	2022-12-11
Signal Analyzer	R&S	FSV40	101298	2022-05-14	2023-05-13
Climatic Chamber	ESPEC	SU-242	93000506	2021-12-12	2022-12-11
Radiates Spurious Emission					
Signal Analyzer	R&S	FSV30	100815	2021-12-12	2022-12-11
Loop Antenna	SCHWARZBECK	FMZB1519	1519-047	2020-04-02	2023-04-01
TRILOG Broadband Antenna	SCHWARZBECK	VULB 9163	391	2019-12-16	2022-12-15
Horn Antenna	R&S	HF907	102723	2020-08-11	2023-08-10
Horn Antenna	ETS-Lindgren	3160-09	00102643	2021-10-10	2024-10-09
Horn Antenna	STEATITE	QSH-SL-26-40-K-15	16779	2019-12-24	2022-12-23
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.