

6.4 Peak-to-Average Power Ratio (PAPR)

LTE Band 40 Subset 1								
Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	Peak (dBm)	Avg (dBm)	PAPR (dB)	Limit (dB)	Conclusion
QPSK	5	38725	2307.5	26.66	19.07	8.09	≤13	PASS
		38750	2310	26.40	17.36	9.90	≤13	PASS
		38775	2312.5	26.70	17.22	10.05	≤13	PASS
	10	38750	2310	26.51	18.91	8.38	≤13	PASS
16QAM	5	38725	2307.5	26.35	18.42	8.78	≤13	PASS
		38750	2310	26.29	16.75	10.45	≤13	PASS
		38775	2312.5	26.37	18.71	8.56	≤13	PASS
	10	38750	2310	26.26	18.63	8.66	≤13	PASS
64QAM	5	38725	2307.5	25.58	16.80	10.04	≤13	PASS
		38750	2310	25.59	18.10	8.82	≤13	PASS
		38775	2312.5	25.45	16.85	10.07	≤13	PASS
	10	38750	2310	25.54	18.39	8.54	≤13	PASS

LTE Band 40 Subset 2								
Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	Peak (dBm)	Avg (dBm)	PAPR (dB)	Limit (dB)	Conclusion
QPSK	5	39175	2352.5	25.80	18.28	9.45	≤13	PASS
		39200	2355	26.08	19.68	8.15	≤13	PASS
		39225	2357.5	26.03	18.15	9.62	≤13	PASS
	10	39200	2355	25.99	18.43	9.34	≤13	PASS
16QAM	5	39175	2352.5	25.81	17.82	9.71	≤13	PASS
		39200	2355	25.83	18.00	9.56	≤13	PASS
		39225	2357.5	25.84	17.72	9.76	≤13	PASS
	10	39200	2355	25.90	17.74	9.82	≤13	PASS
64QAM	5	39175	2352.5	24.89	17.61	9.61	≤13	PASS
		39200	2355	24.89	17.64	9.59	≤13	PASS
		39225	2357.5	24.78	17.60	9.55	≤13	PASS
	10	39200	2355	24.82	17.84	9.53	≤13	PASS



LTE Band 41								
Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	Peak (dBm)	Avg (dBm)	PAPR (dB)	Limit (dB)	Conclusion
QPSK	5	39675	2498.5	28.86	20.34	8.52	≤13	PASS
		40620	2593	28.17	19.67	8.50	≤13	PASS
		41565	2687.5	28.20	19.68	8.52	≤13	PASS
	10	39700	2501	28.63	19.00	9.63	≤13	PASS
		40620	2593	28.19	20.18	8.01	≤13	PASS
		41540	2685	28.22	19.91	8.31	≤13	PASS
	15	39725	2503.5	28.59	17.76	10.83	≤13	PASS
		40620	2593	28.30	19.25	9.05	≤13	PASS
		41515	2682.5	28.28	19.09	9.19	≤13	PASS
	20	39750	2506	28.42	19.27	9.15	≤13	PASS
		40620	2593	28.22	20.38	7.84	≤13	PASS
		41490	2680	28.14	18.75	9.39	≤13	PASS
16QAM	5	39675	2498.5	29.03	20.88	8.15	≤13	PASS
		40620	2593	28.23	19.75	8.48	≤13	PASS
		41565	2687.5	28.73	18.85	9.88	≤13	PASS
	10	39700	2501	29.14	20.62	8.52	≤13	PASS
		40620	2593	28.24	18.50	9.74	≤13	PASS
		41540	2685	28.67	20.06	8.61	≤13	PASS
	15	39725	2503.5	29.09	17.59	11.50	≤13	PASS
		40620	2593	28.46	18.21	10.25	≤13	PASS
		41515	2682.5	28.66	19.14	9.52	≤13	PASS
	20	39750	2506	29.06	19.54	9.52	≤13	PASS
		40620	2593	28.49	18.66	9.83	≤13	PASS
		41490	2680	28.46	20.01	8.45	≤13	PASS
64QAM	5	39675	2498.5	28.94	20.09	8.85	≤13	PASS
		40620	2593	28.07	19.72	8.35	≤13	PASS
		41565	2687.5	28.61	19.80	8.81	≤13	PASS
	10	39700	2501	28.91	20.31	8.60	≤13	PASS
		40620	2593	28.13	19.46	8.67	≤13	PASS
		41540	2685	28.50	19.62	8.88	≤13	PASS
	15	39725	2503.5	28.99	18.74	10.25	≤13	PASS



		40620	2593	28.32	18.33	9.99	≤13	PASS
		41515	2682.5	28.54	19.90	8.64	≤13	PASS
	20	39750	2506	28.87	18.86	10.01	≤13	PASS
		40620	2593	28.32	18.70	9.62	≤13	PASS
		41490	2680	28.24	18.63	9.61	≤13	PASS

Bandwidth	PCC		SCC1		Modulation	Peak-to-Average Power Ratio (PAPR)		
	Channel	Frequency (MHz)	Channel	Frequency (MHz)		Peak (dBm)	Avg(dBm)	PAPR (dB)
CA_41C_5MHz+20MHz_QPSK	40528	2583.8	40645	2595.5	QPSK	33.16	23.22	9.94
CA_41C_5MHz+20MHz_16QAM	40528	2583.8	40645	2595.5	16QAM	32.74	22.74	10.00
CA_41C_5MHz+20MHz_64QAM	40528	2583.8	40645	2595.5	64QAM	32.03	21.96	10.07
CA_41C_20MHz+5MHz_QPSK	40595	2590.5	40712	2602.2	QPSK	33.24	23.18	10.06
CA_41C_20MHz+5MHz_16QAM	40595	2590.5	40712	2602.2	16QAM	32.79	21.93	10.86
CA_41C_20MHz+5MHz_64QAM	40595	2590.5	40712	2602.2	64QAM	32.22	22.28	9.94
CA_41C_10MHz+20MHz_QPSK	40526	2583.6	40670	2598	QPSK	33.11	22.94	10.17
CA_41C_10MHz+20MHz_16QAM	40526	2583.6	40670	2598	16QAM	32.74	22.27	10.47
CA_41C_10MHz+20MHz_64QAM	40526	2583.6	40670	2598	64QAM	31.99	21.69	10.30
CA_41C_20MHz+10MHz_QPSK	40571	2588.1	40715	2602.5	QPSK	32.72	22.76	9.96
CA_41C_20MHz+10MHz_16QAM	40571	2588.1	40715	2602.5	16QAM	32.30	21.65	10.65
CA_41C_20MHz+10MHz_64QAM	40571	2588.1	40715	2602.5	64QAM	32.21	22.43	9.78
CA_41C_15MHz+15MHz_QPSK	40545	2585.5	40695	2600.5	QPSK	33.44	22.96	10.48
CA_41C_15MHz+15MHz_16QAM	40545	2585.5	40695	2600.5	16QAM	32.94	22.29	10.65
CA_41C_15MHz+15MHz_64QAM	40545	2585.5	40695	2600.5	64QAM	32.30	21.69	10.61
CA_41C_15MHz+20MHz_QPSK	40523	2583.3	40694	2600.4	QPSK	33.22	23.57	9.65
CA_41C_15MHz+20MHz_16QAM	40523	2583.3	40694	2600.4	16QAM	32.72	21.80	10.92
CA_41C_15MHz+20MHz_64QAM	40523	2583.3	40694	2600.4	64QAM	32.13	22.21	9.92
CA_41C_20MHz+15MHz_QPSK	40546	2585.6	40717	2602.7	QPSK	33.23	23.63	9.60
CA_41C_20MHz+15MHz_16QAM	40546	2585.6	40717	2602.7	16QAM	32.77	21.96	10.81
CA_41C_20MHz+15MHz_64QAM	40546	2585.6	40717	2602.7	64QAM	32.17	22.36	9.81
CA_41C_20MHz+20MHz_QPSK	40521	2583.1	40719	2602.9	QPSK	33.35	22.91	10.44
CA_41C_20MHz+20MHz_16QAM	40521	2583.1	40719	2602.9	16QAM	32.82	21.93	10.89
CA_41C_20MHz+20MHz_64QAM	40521	2583.1	40719	2602.9	64QAM	32.23	22.29	9.94



6.5 Frequency Stability

LTE Band 40 Subset 1								
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	5MHz							
Temperature	Voltage	64QAM	16QAM	QPSK	64QAM	16QAM	QPSK	
Normal (25°C)	Normal	15.00	17.00	8.00	0.00649	0.00736	0.00346	PASS
Extreme (50°C)		9.00	9.00	16.00	0.00347	0.00347	0.00617	PASS
Extreme (40°C)		17.00	1.00	2.00	0.00736	0.00043	0.00087	PASS
Extreme (30°C)		2.00	7.00	12.00	0.00087	0.00303	0.00519	PASS
Extreme (20°C)		15.00	6.00	13.00	0.00649	0.00260	0.00563	PASS
Extreme (10°C)		3.00	14.00	12.00	0.00130	0.00606	0.00519	PASS
Extreme (0°C)		8.00	16.00	16.00	0.00346	0.00693	0.00693	PASS
Extreme (-10°C)		12.00	9.00	3.00	0.00519	0.00390	0.00130	PASS
Extreme (-20°C)		5.00	16.00	17.00	0.00193	0.00617	0.00656	PASS
Extreme (-30°C)		2.00	10.00	5.00	0.00077	0.00386	0.00193	PASS
25°C	LV	6.00	11.00	8.00	0.00260	0.00476	0.00346	PASS
	HV	15.00	15.00	9.00	0.00649	0.00649	0.00390	PASS
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	10MHz							
Temperature	Voltage	64QAM	16QAM	QPSK	64QAM	16QAM	QPSK	
Normal (25°C)	Normal	2.00	11.00	13.00	0.00087	0.00476	0.00563	PASS
Extreme (50°C)		11.00	15.00	12.00	0.00424	0.00578	0.00463	PASS
Extreme (40°C)		16.00	7.00	14.00	0.00693	0.00303	0.00606	PASS
Extreme (30°C)		11.00	13.00	5.00	0.00476	0.00563	0.00216	PASS
Extreme (20°C)		11.00	17.00	10.00	0.00476	0.00736	0.00433	PASS
Extreme (10°C)		13.00	1.00	2.00	0.00563	0.00043	0.00087	PASS
Extreme (0°C)		7.00	12.00	4.00	0.00303	0.00519	0.00173	PASS
Extreme (-10°C)		6.00	10.00	15.00	0.00260	0.00433	0.00649	PASS
Extreme (-20°C)		12.00	1.00	4.00	0.00463	0.00039	0.00154	PASS
Extreme (-30°C)		16.00	2.00	16.00	0.00617	0.00077	0.00617	PASS
25°C	LV	16.00	13.00	1.00	0.00693	0.00563	0.00043	PASS
	HV	9.00	16.00	14.00	0.00390	0.00693	0.00606	PASS



LTE Band 40 Subset 2								
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	5MHz							
Temperature	Voltage	64QAM	16QAM	QPSK	64QAM	16QAM	QPSK	
Normal (25°C)	Normal	5.00	14.00	13.00	0.00212	0.00594	0.00552	PASS
Extreme (50°C)		15.00	8.00	6.00	0.00578	0.00309	0.00231	PASS
Extreme (40°C)		11.00	16.00	6.00	0.00467	0.00679	0.00255	PASS
Extreme (30°C)		12.00	16.00	8.00	0.00510	0.00679	0.00340	PASS
Extreme (20°C)		6.00	9.00	1.00	0.00255	0.00382	0.00042	PASS
Extreme (10°C)		5.00	6.00	8.00	0.00212	0.00255	0.00340	PASS
Extreme (0°C)		13.00	9.00	12.00	0.00552	0.00382	0.00510	PASS
Extreme (-10°C)		10.00	15.00	4.00	0.00425	0.00637	0.00170	PASS
Extreme (-20°C)		9.00	10.00	13.00	0.00347	0.00386	0.00501	PASS
Extreme (-30°C)		7.00	3.00	4.00	0.00270	0.00116	0.00154	PASS
25°C	LV	7.00	6.00	4.00	0.00297	0.00255	0.00170	PASS
	HV	6.00	8.00	1.00	0.00255	0.00340	0.00042	PASS
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	10MHz							
Temperature	Voltage	64QAM	16QAM	QPSK	64QAM	16QAM	QPSK	
Normal (25°C)	Normal	16.00	11.00	4.00	0.00679	0.00467	0.00170	PASS
Extreme (50°C)		3.00	13.00	6.00	0.00116	0.00501	0.00231	PASS
Extreme (40°C)		5.00	12.00	6.00	0.00212	0.00510	0.00255	PASS
Extreme (30°C)		11.00	4.00	12.00	0.00467	0.00170	0.00510	PASS
Extreme (20°C)		17.00	10.00	2.00	0.00722	0.00425	0.00085	PASS
Extreme (10°C)		17.00	17.00	3.00	0.00722	0.00722	0.00127	PASS
Extreme (0°C)		2.00	3.00	4.00	0.00085	0.00127	0.00170	PASS
Extreme (-10°C)		1.00	16.00	9.00	0.00042	0.00679	0.00382	PASS
Extreme (-20°C)		8.00	15.00	12.00	0.00309	0.00578	0.00463	PASS
Extreme (-30°C)		3.00	15.00	16.00	0.00116	0.00578	0.00617	PASS
25°C	LV	16.00	10.00	12.00	0.00679	0.00425	0.00510	PASS
	HV	5.00	6.00	9.00	0.00212	0.00255	0.00382	PASS



LTE Band 41								
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	5MHz							
Temperature	Voltage	64QAM	16QAM	QPSK	64QAM	16QAM	QPSK	
Normal (25°C)	Normal	6.97	12.35	1.40	0.00269	0.00476	0.00054	PASS
Extreme (50°C)		6.44	12.10	6.62	0.00249	0.00467	0.00255	PASS
Extreme (40°C)		9.61	6.85	10.85	0.00371	0.00264	0.00418	PASS
Extreme (30°C)		5.60	2.96	4.45	0.00216	0.00114	0.00172	PASS
Extreme (20°C)		14.61	10.93	3.57	0.00564	0.00422	0.00138	PASS
Extreme (10°C)		7.55	9.52	1.52	0.00291	0.00367	0.00059	PASS
Extreme (0°C)		13.80	16.29	6.78	0.00532	0.00628	0.00262	PASS
Extreme (-10°C)		11.44	13.12	16.91	0.00441	0.00506	0.00652	PASS
Extreme (-20°C)		14.05	7.84	9.84	0.00542	0.00302	0.00380	PASS
Extreme (-30°C)		12.49	17.04	15.38	0.00482	0.00657	0.00593	PASS
25°C	LV	2.12	9.32	7.07	0.00082	0.00359	0.00273	PASS
	HV	14.61	17.32	9.05	0.00564	0.00668	0.00349	PASS
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	10MHz							
Temperature	Voltage	64QAM	16QAM	QPSK	64QAM	16QAM	QPSK	
Normal (25°C)	Normal	6.39	12.26	7.23	0.00247	0.00473	0.00279	PASS
Extreme (50°C)		11.04	9.87	13.19	0.00426	0.00381	0.00509	PASS
Extreme (40°C)		2.45	16.67	12.38	0.00094	0.00643	0.00478	PASS
Extreme (30°C)		10.32	4.36	14.80	0.00398	0.00168	0.00571	PASS
Extreme (20°C)		1.04	12.05	8.96	0.00040	0.00465	0.00346	PASS
Extreme (10°C)		10.43	13.19	3.51	0.00402	0.00509	0.00135	PASS
Extreme (0°C)		7.16	3.83	1.28	0.00276	0.00148	0.00049	PASS
Extreme (-10°C)		10.90	7.95	15.66	0.00420	0.00307	0.00604	PASS
Extreme (-20°C)		13.58	1.72	7.92	0.00524	0.00066	0.00305	PASS
Extreme (-30°C)		7.36	11.35	14.24	0.00284	0.00438	0.00549	PASS
25°C	LV	13.99	11.22	6.05	0.00539	0.00433	0.00233	PASS
	HV	3.43	3.22	17.04	0.00132	0.00124	0.00657	PASS
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	15MHz							
Temperature	Voltage	64QAM	16QAM	QPSK	64QAM	16QAM	QPSK	
Normal (25°C)	Normal	13.00	7.00	9.00	0.00501	0.00270	0.00347	PASS
Extreme (50°C)		10.00	5.00	15.00	0.00385	0.00193	0.00578	PASS



Extreme (40°C)		13.00	5.00	13.00	0.00501	0.00193	0.00501	PASS
Extreme (30°C)		16.00	8.00	8.00	0.00617	0.00309	0.00309	PASS
Extreme (20°C)		1.00	11.00	16.00	0.00039	0.00424	0.00617	PASS
Extreme (10°C)		9.00	8.00	9.00	0.00347	0.00309	0.00347	PASS
Extreme (0°C)		8.00	12.00	15.00	0.00309	0.00463	0.00578	PASS
Extreme (-10°C)		10.00	11.00	4.00	0.00386	0.00424	0.00154	PASS
Extreme (-20°C)		12.00	9.00	10.00	0.00462	0.00347	0.00385	PASS
Extreme (-30°C)		3.00	6.00	4.00	0.00116	0.00231	0.00154	PASS
25°C	LV	2.00	2.00	9.00	0.00077	0.00077	0.00347	PASS
	HV	14.00	3.00	14.00	0.00540	0.00116	0.00540	PASS
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	20MHz							
Temperature	Voltage	64QAM	16QAM	QPSK	64QAM	16QAM	QPSK	
Normal (25°C)	Normal	5.00	11.00	13.00	0.00193	0.00424	0.00501	PASS
Extreme (50°C)		15.00	7.00	4.00	0.00578	0.00270	0.00154	PASS
Extreme (40°C)		7.00	3.00	14.00	0.00270	0.00116	0.00540	PASS
Extreme (30°C)		14.00	15.00	3.00	0.00540	0.00578	0.00116	PASS
Extreme (20°C)		4.00	5.00	9.00	0.00154	0.00193	0.00347	PASS
Extreme (10°C)		15.00	11.00	13.00	0.00578	0.00424	0.00501	PASS
Extreme (0°C)		15.00	6.00	10.00	0.00578	0.00231	0.00386	PASS
Extreme (-10°C)		7.00	15.00	9.00	0.00270	0.00578	0.00347	PASS
Extreme (-20°C)		6.00	14.00	15.00	0.00231	0.00539	0.00578	PASS
Extreme (-30°C)		13.00	9.00	15.00	0.00501	0.00347	0.00578	PASS
25°C	LV	6.00	8.00	10.00	0.00231	0.00309	0.00386	PASS
	HV	5.00	1.00	12.00	0.00193	0.00039	0.00463	PASS

CA_41C_QPSK		20MHz+5MHz (Bandwidth)		20MHz+20MHz (Bandwidth)		Verdict
Condition		Delta (Hz)	Frequency Stability (ppm)	Delta (Hz)	Frequency Stability (ppm)	
Temperature	Voltage					
Normal (25°C)	Normal	7.53	0.00401	12.46	0.00663	PASS
Extreme (50°C)		9.27	0.00493	6.93	0.00369	PASS
Extreme (40°C)		15.11	0.00804	7.73	0.00411	PASS
Extreme (30°C)		17.39	0.00925	4.31	0.00229	PASS
Extreme (20°C)		9.79	0.00521	15.06	0.00801	PASS
Extreme (10°C)		13.59	0.00723	11.41	0.00607	PASS
Extreme (0°C)		2.94	0.00156	10.67	0.00568	PASS
Extreme (-10°C)		14.02	0.00746	16.18	0.00861	PASS



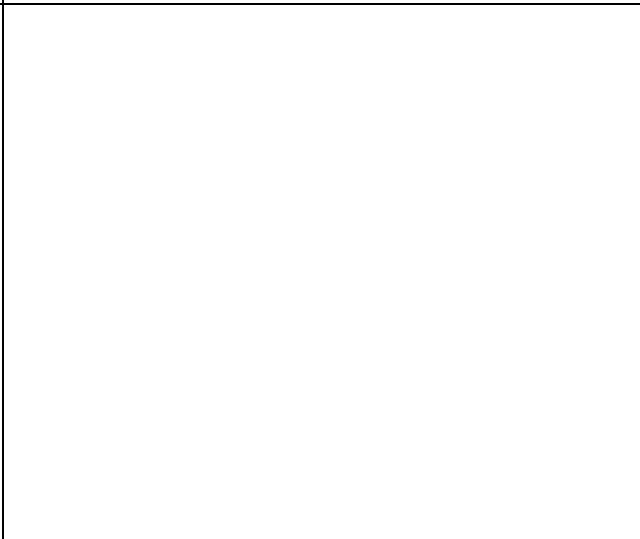
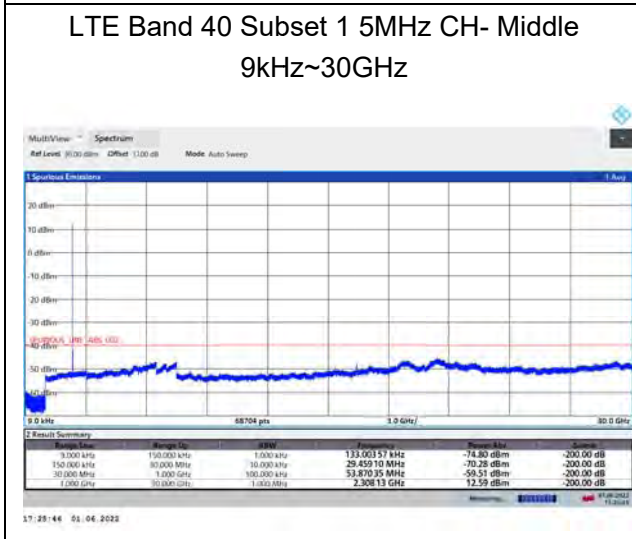
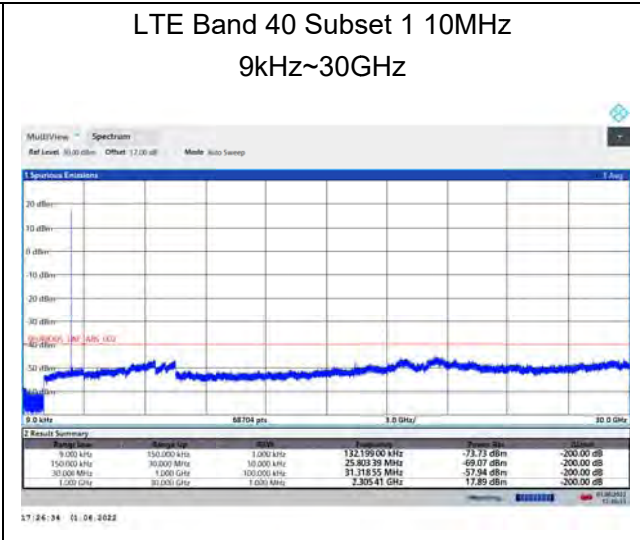
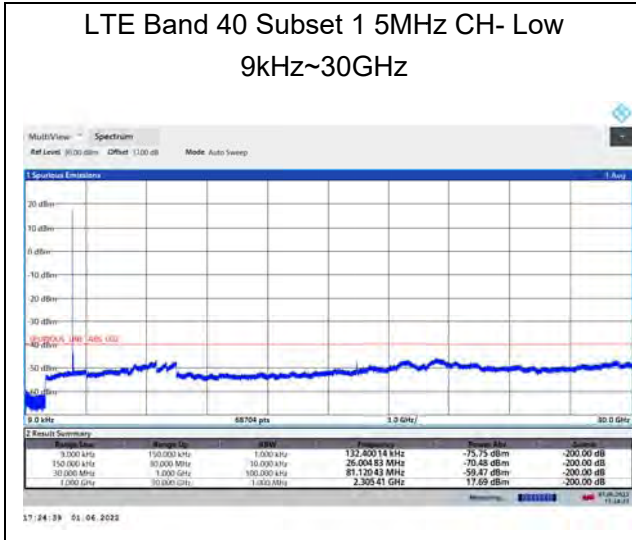
Extreme (-20°C)		6.96	0.00370	10.99	0.00585	PASS	
Extreme (-30°C)		10.09	0.00536	6.07	0.00323	PASS	
25°C	LV	2.79	0.00148	5.04	0.00268	PASS	
	HV	12.73	0.00677	11.61	0.00617	PASS	
CA_41C_16QAM		20MHz+10MHz (Bandwidth)		20MHz+20MHz (Bandwidth)		Verdict	
Condition		Delta (Hz)	Frequency Stability (ppm)	Delta (Hz)	Frequency Stability (ppm)		
Temperature	Voltage						
Normal (25°C)	Normal	1.03	0.00055	2.09	0.00111	PASS	
Extreme (50°C)		12.36	0.00658	10.82	0.00576	PASS	
Extreme (40°C)		14.68	0.00781	10.27	0.00546	PASS	
Extreme (30°C)		6.54	0.00348	3.34	0.00177	PASS	
Extreme (20°C)		9.88	0.00526	17.80	0.00947	PASS	
Extreme (10°C)		1.84	0.00098	3.95	0.00210	PASS	
Extreme (0°C)		8.79	0.00468	8.95	0.00476	PASS	
Extreme (-10°C)		11.95	0.00636	7.49	0.00398	PASS	
Extreme (-20°C)		13.10	0.00697	7.71	0.00410	PASS	
Extreme (-30°C)		4.22	0.00224	7.65	0.00407	PASS	
25°C		LV	11.74	0.00625	8.33	0.00443	PASS
		HV	3.72	0.00198	13.74	0.00731	PASS
CA_41C_64QAM		20MHz+10MHz (Bandwidth)		20MHz+20MHz (Bandwidth)		Verdict	
Condition		Delta (Hz)	Frequency Stability (ppm)	Delta (Hz)	Frequency Stability (ppm)		
Temperature	Voltage						
Normal (25°C)	Normal	14.37	0.00764	6.10	0.00325	PASS	
Extreme (50°C)		11.56	0.00615	11.62	0.00618	PASS	
Extreme (40°C)		8.58	0.00457	17.92	0.00953	PASS	
Extreme (30°C)		4.29	0.00228	4.94	0.00263	PASS	
Extreme (20°C)		6.75	0.00359	2.33	0.00124	PASS	
Extreme (10°C)		7.73	0.00411	1.41	0.00075	PASS	
Extreme (0°C)		2.21	0.00117	15.83	0.00842	PASS	
Extreme (-10°C)		6.40	0.00341	13.86	0.00737	PASS	
Extreme (-20°C)		3.96	0.00211	4.34	0.00231	PASS	
Extreme (-30°C)		6.83	0.00364	10.95	0.00582	PASS	
25°C		LV	6.80	0.00362	17.88	0.00951	PASS
		HV	4.89	0.00260	15.45	0.00822	PASS



6.6 Spurious Emissions at Antenna Terminals

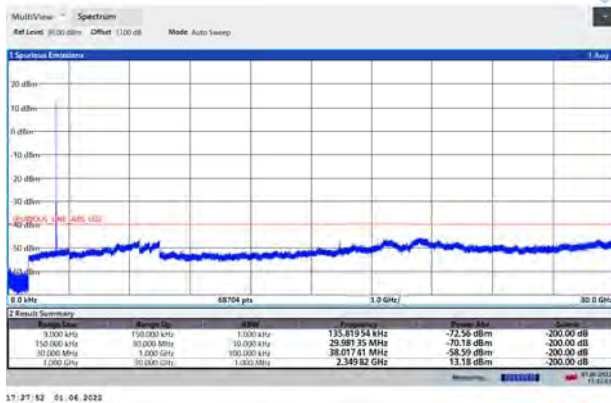
Sweep the whole frequency band through the range from 9kHz to the 10th harmonic of the carrier, the emissions more than 20 dB below the limit are not reported.

The signal beyond the limit is carrier.



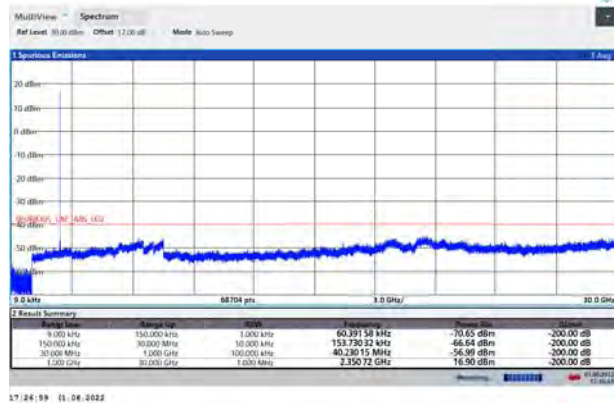


LTE Band 40 Subset 2 5MHz CH- Low 9kHz~30GHz



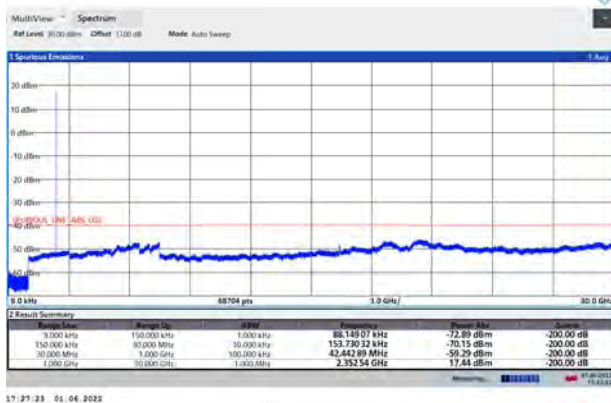
17:27:52 01.04.2022

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



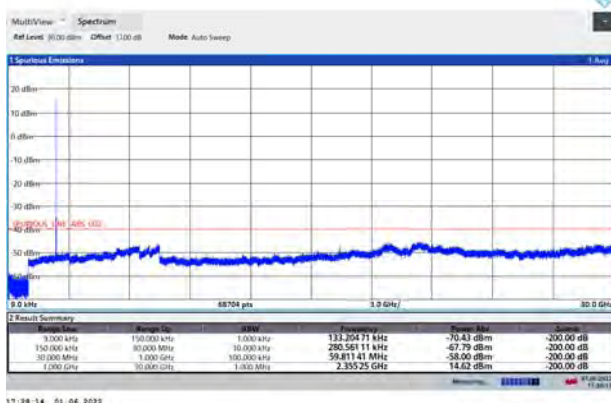
17:28:59 01.04.2022

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



17:27:23 01.04.2022

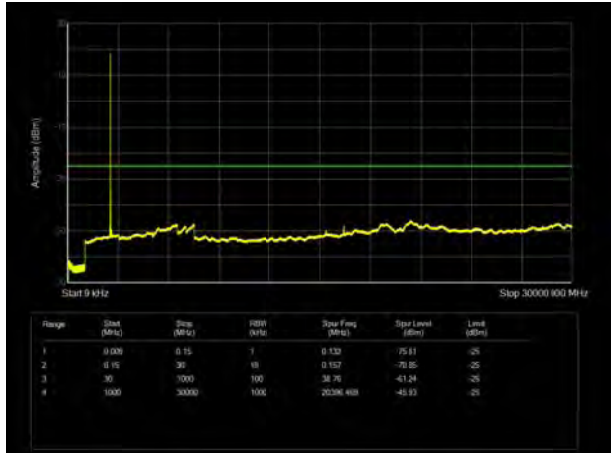
LTE Band 40 Subset 2 5MHz CH-High 9kHz~30GHz



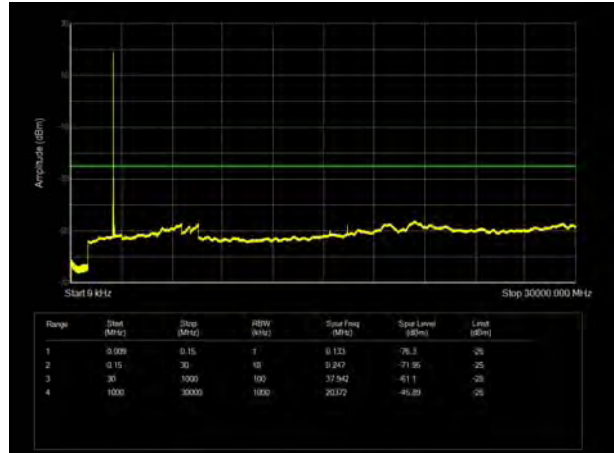
17:28:14 01.04.2022



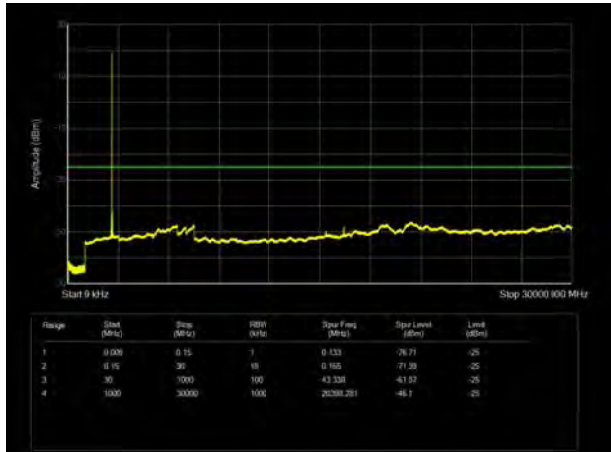
LTE Band 41 5MHz CH-Low 9kHz~30GHz



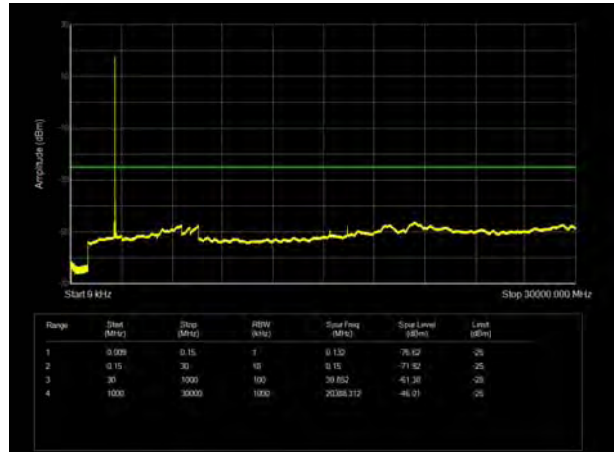
LTE Band 41 10MHz CH- Low 9kHz~30GHz



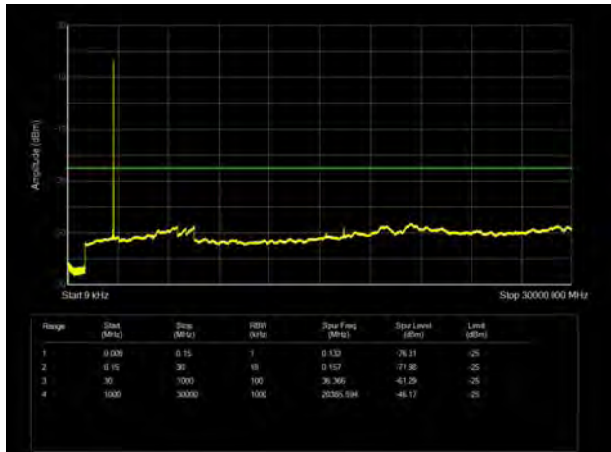
LTE Band 41 5MHz CH- Middle 9kHz~30GHz



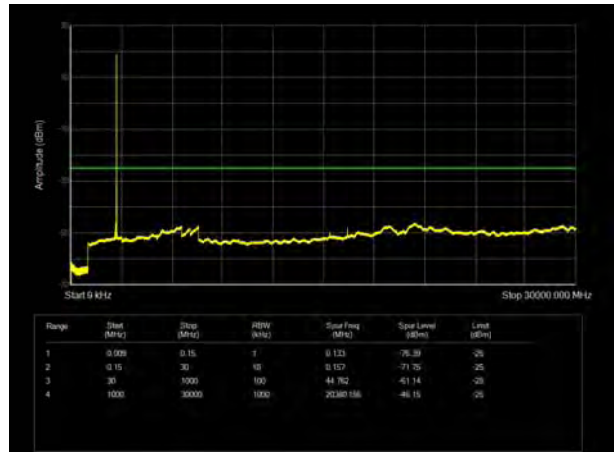
LTE Band 41 10MHz CH- Middle 9kHz~30GHz



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

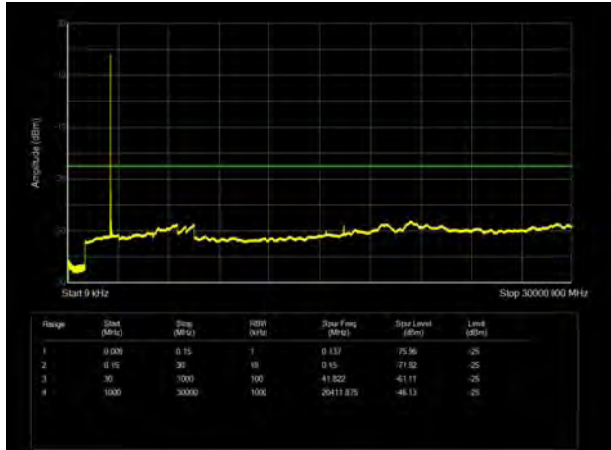


LTE Band 41 10MHz CH-High 9kHz~30GHz

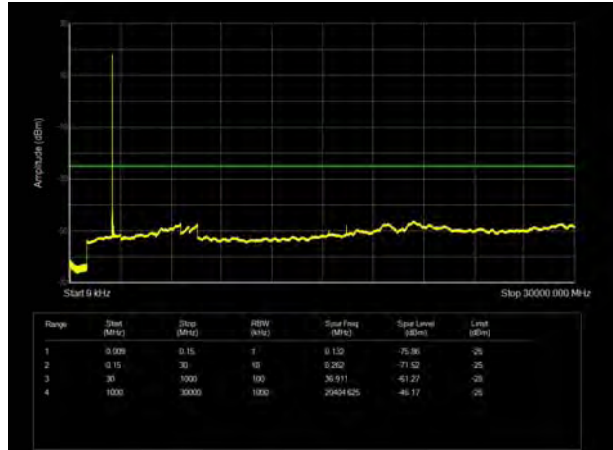




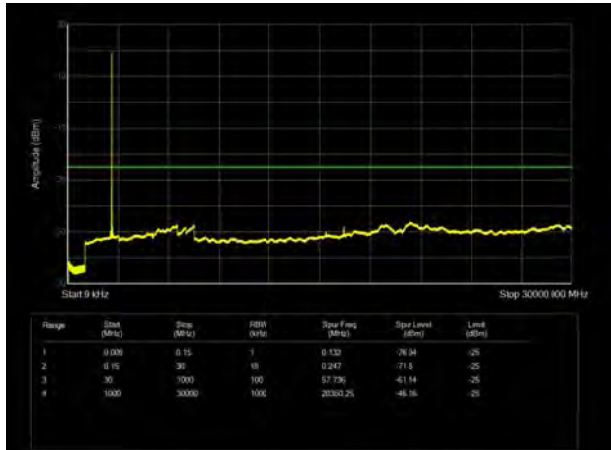
LTE Band 41 15MHz CH- Low 9kHz~30GHz



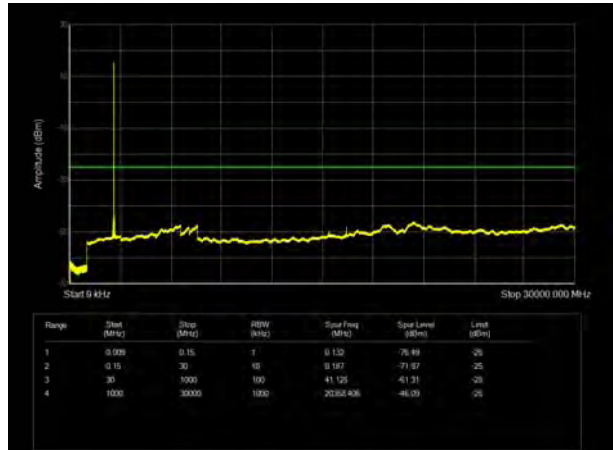
LTE Band 41 20MHz CH-Low 9kHz~30GHz



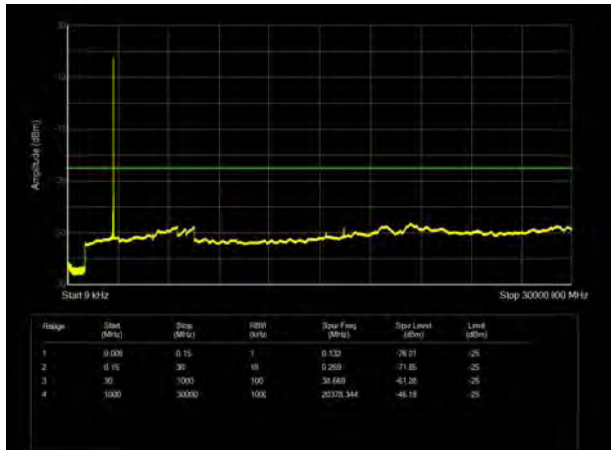
LTE Band 41 15MHz CH- Middle 9kHz~30GHz



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



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

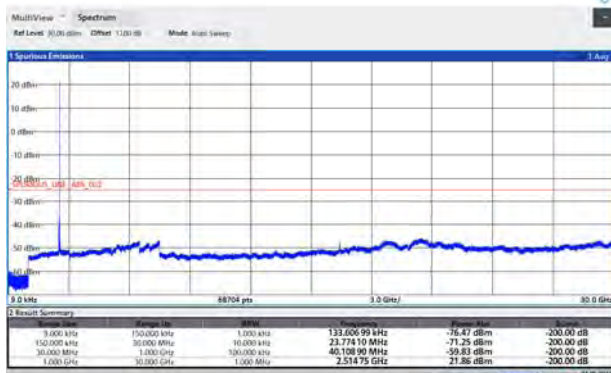


LTE Band 41 20MHz CH- High 9kHz~30GHz



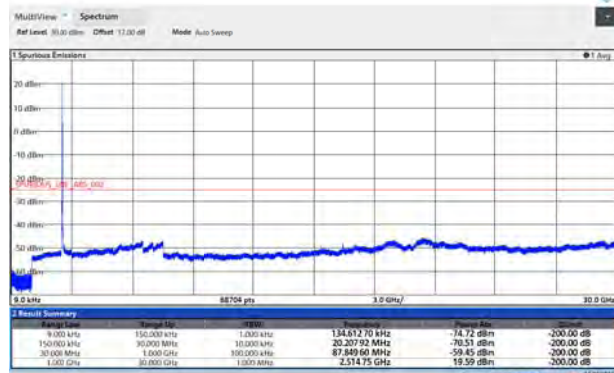


CA_41C QPSK 20MHz+5MHz CH- Low 9kHz~30GHz



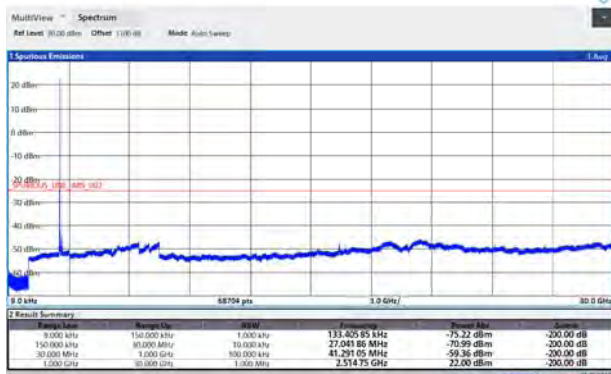
10:10:38 11.03.2022

CA_41C QPSK 20MHz+20MHz CH- Low 9kHz~30GHz



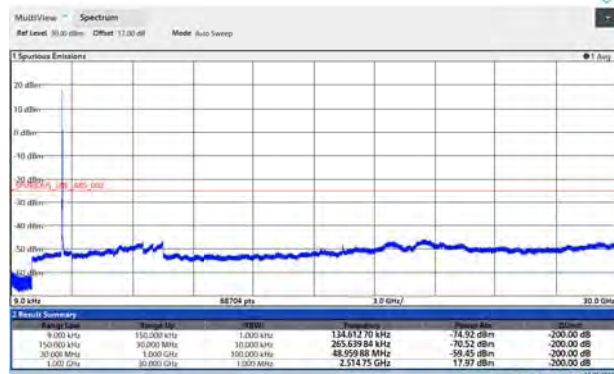
10:59:37 11.03.2022

CA_41C 16QAM 20MHz+5MHz CH- Low 9kHz~30GHz



10:11:04 11.03.2022

CA_41C 16QAM 20MHz+20MHz CH- Low 9kHz~30GHz



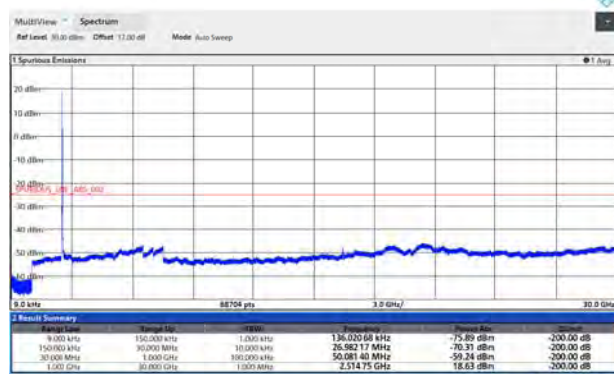
11:00:05 11.03.2022

CA_41C 64QAM 20MHz+5MHz CH- Low 9kHz~30GHz



10:11:17 11.03.2022

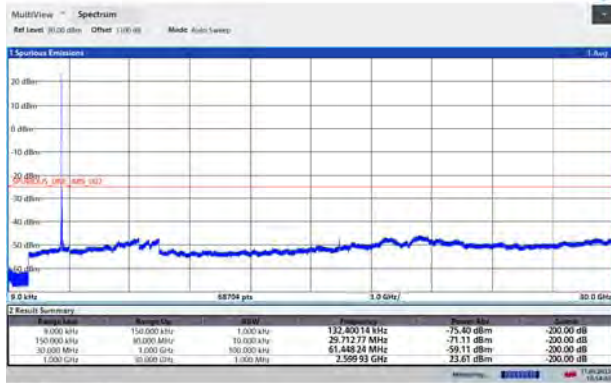
CA_41C 64QAM 20MHz+20MHz CH- Low 9kHz~30GHz



11:00:18 11.03.2022

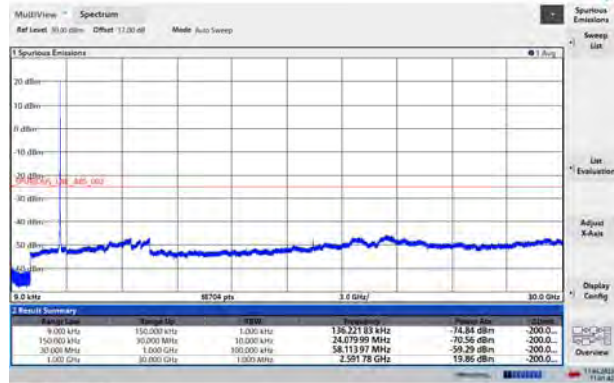


CA_41C QPSK 20MHz+5MHz CH- Middle 9kHz~30GHz



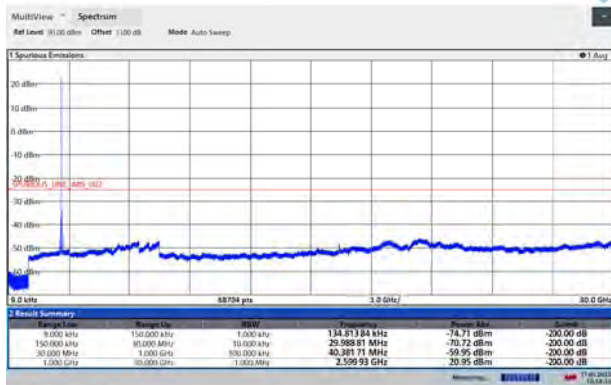
10:54:02 11.09.2022

CA_41C QPSK 20MHz+20MHz CH- Middle 9kHz~30GHz



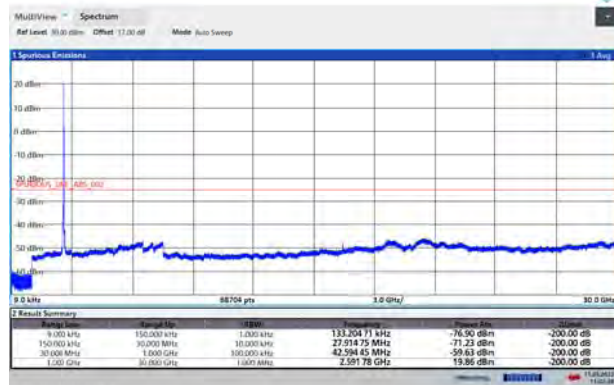
11:01:48 11.09.2022

CA_41C 16QAM 20MHz+5MHz CH- Middle 9kHz~30GHz



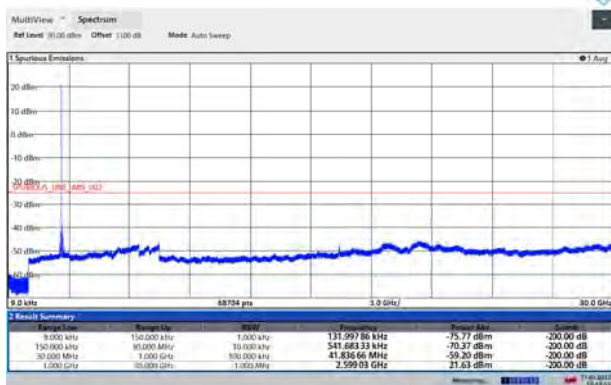
10:54:34 11.09.2022

CA_41C 16QAM 20MHz+20MHz CH- Middle 9kHz~30GHz



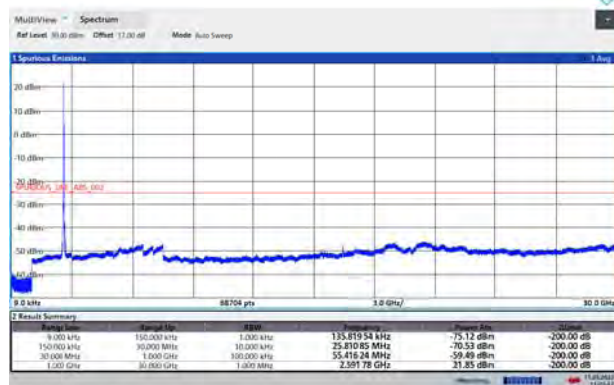
11:02:38 11.09.2022

CA_41C 64QAM 20MHz+5MHz CH- Middle 9kHz~30GHz



10:54:54 11.09.2022

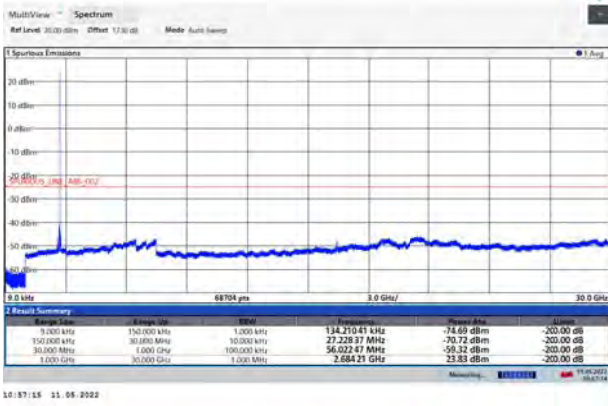
CA_41C 64QAM 20MHz+20MHz CH- Middle 9kHz~30GHz



11:02:59 11.09.2022

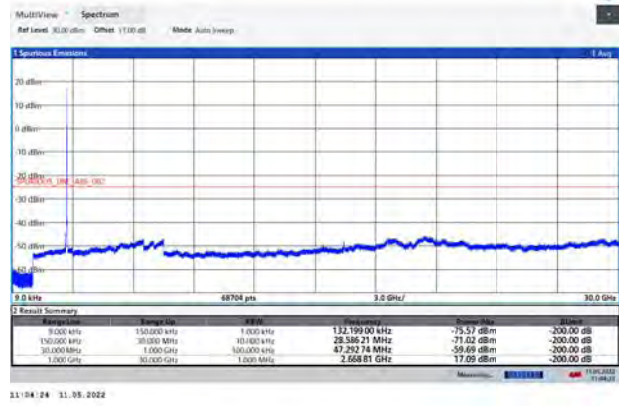


CA_41C QPSK 20MHz+5MHz CH- High 9kHz~30GHz



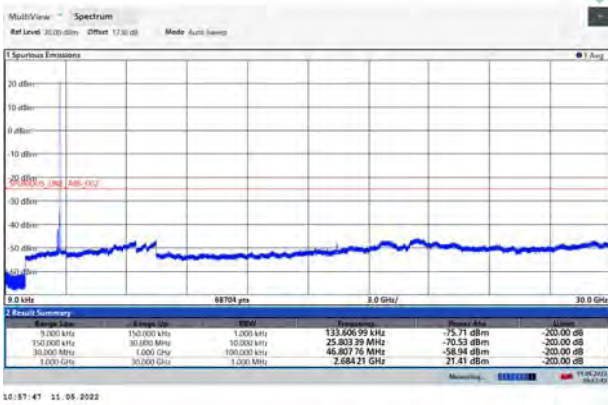
10:57:15 11.05.2022

CA_41C QPSK 20MHz+20MHz CH- High 9kHz~30GHz



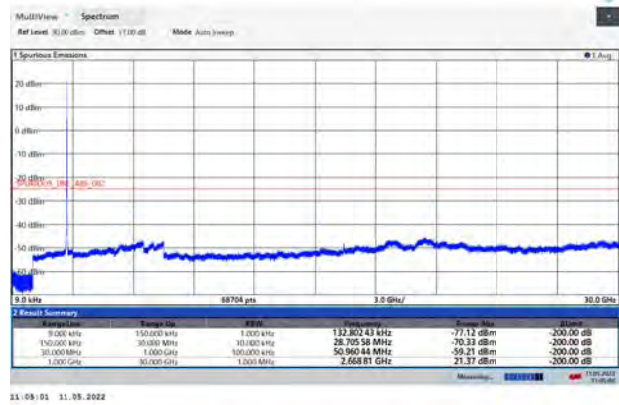
11:04:24 11.05.2022

CA_41C 16QAM 20MHz+5MHz CH- High 9kHz~30GHz



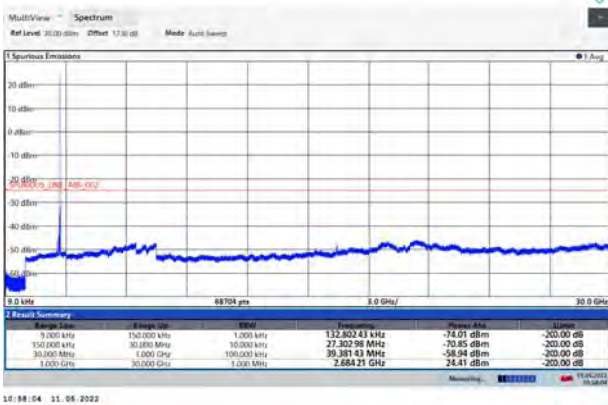
10:57:47 11.05.2022

CA_41C 16QAM 20MHz+20MHz CH- High 9kHz~30GHz



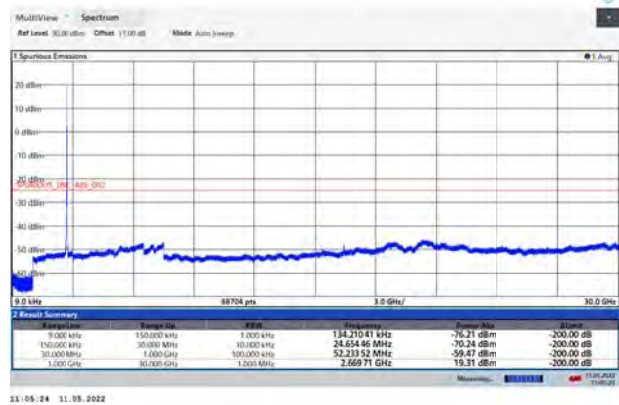
11:08:01 11.05.2022

CA_41C 64QAM 20MHz+5MHz CH- High 9kHz~30GHz



10:58:04 11.05.2022

CA_41C 64QAM 20MHz+20MHz CH- High 9kHz~30GHz



11:05:24 11.05.2022



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.

Main Antenna

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

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	4615.00	-77.03	3.20	12.50	Vertical	-67.73	-40.00	27.73	0
3	6922.50	-72.06	4.40	12.30	Vertical	-64.16	-40.00	24.16	225
4	9230.00	-64.11	4.70	11.80	Vertical	-57.01	-40.00	17.01	270
5	11537.50	-60.13	5.40	14.00	Vertical	-51.53	-40.00	11.53	180
6	13845.00	-62.81	6.10	16.80	Vertical	-52.11	-40.00	12.11	90
7	16152.50	-64.03	5.70	14.15	Vertical	-55.58	-40.00	15.58	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	-76.63	3.20	12.50	Vertical	-67.33	-40.00	27.33	45
3	6915.00	-72.03	4.40	12.30	Vertical	-64.13	-40.00	24.13	180
4	9220.00	-64.34	4.70	11.80	Vertical	-57.24	-40.00	17.24	0
5	11525.00	-60.57	5.40	14.00	Vertical	-51.97	-40.00	11.97	315
6	13830.00	-63.46	6.10	16.80	Vertical	-52.76	-40.00	12.76	0
7	16135.00	-64.59	5.70	14.15	Vertical	-56.14	-40.00	16.14	45
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	-75.94	3.20	12.50	Vertical	-66.64	-40.00	26.64	0
3	7057.50	-68.10	4.40	12.30	Vertical	-60.20	-40.00	20.20	225
4	9410.00	-64.88	4.70	11.80	Vertical	-57.78	-40.00	17.78	270
5	11762.50	-58.66	5.40	14.00	Vertical	-50.06	-40.00	10.06	180
6	14115.00	-63.82	6.10	16.80	Vertical	-53.12	-40.00	13.12	90
7	16467.50	-63.16	5.70	14.15	Vertical	-54.71	-40.00	14.71	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 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	-75.50	3.20	12.50	Vertical	-66.20	-40.00	26.20	45
3	7050.00	-67.59	4.40	12.30	Vertical	-59.69	-40.00	19.69	180
4	9400.00	-64.32	4.70	11.80	Vertical	-57.22	-40.00	17.22	0
5	11750.00	-58.38	5.40	14.00	Vertical	-49.78	-40.00	9.78	315
6	14100.00	-63.70	6.10	16.80	Vertical	-53.00	-40.00	13.00	0
7	16450.00	-63.48	5.70	14.15	Vertical	-55.03	-40.00	15.03	45
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 41 QPSK 5MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5163.30	-64.21	3.20	12.50	Vertical	-54.91	-25.00	29.91	0
3	7772.40	-49.19	4.40	12.30	Vertical	-41.29	-25.00	16.29	225
4	10326.60	-52.65	4.70	11.80	Vertical	-45.55	-25.00	20.55	270
5	12908.25	-54.61	5.40	14.00	Vertical	-46.01	-25.00	21.01	180
6	15489.90	-56.70	6.10	16.80	Vertical	-46.00	-25.00	21.00	90
7	18071.55	--	--	--	--	--	--	--	--
8	20653.20	--	--	--	--	--	--	--	--
9	23234.85	--	--	--	--	--	--	--	--
10	25816.50	--	--	--	--	--	--	--	--

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

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

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5149.60	-64.18	3.20	12.50	Vertical	-54.88	-25.00	29.88	45
3	7752.00	-53.62	4.40	12.30	Vertical	-45.72	-25.00	20.72	180
4	10299.20	-51.80	4.70	11.80	Vertical	-44.70	-25.00	19.70	0
5	12874.00	-50.00	5.40	14.00	Vertical	-41.40	-25.00	16.40	315
6	15448.80	-53.19	6.10	16.80	Vertical	-42.49	-25.00	17.49	0
7	18023.60	--	--	--	--	--	--	--	--
8	20598.40	--	--	--	--	--	--	--	--
9	23173.20	--	--	--	--	--	--	--	--
10	25748.00	--	--	--	--	--	--	--	--

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



CA 41C_5M+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	5162.60	-64.37	3.20	12.50	Horizontal	-55.07	-25.00	30.07	135
3	7743.90	-59.03	4.40	12.30	Horizontal	-51.13	-25.00	26.13	225
4	10325.20	-55.03	4.70	11.80	Horizontal	-47.93	-25.00	22.93	45
5	12906.50	-53.92	5.40	14.00	Horizontal	-45.32	-25.00	20.32	315
6	15487.80	-51.75	6.10	16.80	Horizontal	-41.05	-25.00	16.05	180
7	18069.10	--	--	--	--	--	--	--	--
8	20684.00	--	--	--	--	--	--	--	--
9	23269.50	--	--	--	--	--	--	--	--
10	25855.00	--	--	--	--	--	--	--	--

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

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

CA 41C_20M+5M 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	5176.00	-66.65	3.20	12.50	Horizontal	-57.35	-25.00	32.35	225
3	7764.00	-58.22	4.40	12.30	Horizontal	-50.32	-25.00	25.32	135
4	10352.00	-54.00	4.70	11.80	Horizontal	-46.90	-25.00	21.90	45
5	12940.00	-54.11	5.40	14.00	Horizontal	-45.51	-25.00	20.51	180
6	15528.00	-52.98	6.10	16.80	Horizontal	-42.28	-25.00	17.28	225
7	18116.00	--	--	--	--	--	--	--	--
8	20704.00	--	--	--	--	--	--	--	--
9	23292.00	--	--	--	--	--	--	--	--
10	25880.00	--	--	--	--	--	--	--	--

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

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



CA 41C_ 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	5156.00	-63.85	3.20	12.50	Horizontal	-54.55	-25.00	29.55	90
3	7734.00	-58.31	4.40	12.30	Horizontal	-50.41	-25.00	25.41	45
4	10425.00	-52.48	4.70	11.80	Horizontal	-45.38	-25.00	20.38	315
5	12890.00	-51.10	5.40	14.00	Horizontal	-42.50	-25.00	17.50	90
6	15468.00	-52.80	6.10	16.80	Horizontal	-42.10	-25.00	17.10	225
7	18046.00	--	--	--	--	--	--	--	--
8	20624.00	--	--	--	--	--	--	--	--
9	23202.00	--	--	--	--	--	--	--	--
10	25780.00	--	--	--	--	--	--	--	--

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

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

CA 41C_ 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	5146.20	-65.20	3.20	12.50	Horizontal	-55.90	-25.00	30.90	315
3	7719.30	-58.35	4.40	12.30	Horizontal	-50.45	-25.00	25.45	225
4	10292.40	-51.32	4.70	11.80	Horizontal	-44.22	-25.00	19.22	45
5	12865.50	-52.87	5.40	14.00	Horizontal	-44.27	-25.00	19.27	90
6	15438.60	-51.67	6.10	16.80	Horizontal	-40.97	-25.00	15.97	225
7	18011.70	--	--	--	--	--	--	--	--
8	20584.80	--	--	--	--	--	--	--	--
9	23157.90	--	--	--	--	--	--	--	--
10	25731.00	--	--	--	--	--	--	--	--

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

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

**Second Antenna**

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	4615.88	-75.14	3.20	12.50	Horizontal	-65.84	-40.00	25.84	0
3	6923.25	-63.96	4.40	12.30	Horizontal	-56.06	-40.00	16.06	225
4	9299.50	-62.82	4.70	11.80	Horizontal	-55.72	-40.00	15.72	270
5	11539.50	-57.15	5.40	14.00	Horizontal	-48.55	-40.00	8.55	180
6	14593.50	-62.59	6.10	16.80	Horizontal	-51.89	-40.00	11.89	90
7	16152.50	-60.63	5.70	14.15	Horizontal	-52.18	-40.00	12.18	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 Horizontal 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	-75.90	3.20	12.50	Horizontal	-66.60	-40.00	26.60	45
3	6916.50	-63.50	4.40	12.30	Horizontal	-55.60	-40.00	15.60	180
4	9220.00	-62.73	4.70	11.80	Horizontal	-55.63	-40.00	15.63	0
5	11528.25	-53.75	5.40	14.00	Horizontal	-45.15	-40.00	5.15	315
6	13830.00	-62.51	6.10	16.80	Horizontal	-51.81	-40.00	11.81	0
7	16135.00	-60.06	5.70	14.15	Horizontal	-51.61	-40.00	11.61	315
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 Horizontal position.



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

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	4705.00	-75.96	3.20	12.50	Horizontal	-66.66	-40.00	26.66	0
3	7057.50	-58.26	4.40	12.30	Horizontal	-50.36	-40.00	10.36	225
4	9410.00	-62.83	4.70	11.80	Horizontal	-55.73	-40.00	15.73	270
5	11762.50	-55.09	5.40	14.00	Horizontal	-46.49	-40.00	6.49	180
6	14115.00	-62.75	6.10	16.80	Horizontal	-52.05	-40.00	12.05	90
7	16467.50	-60.11	5.70	14.15	Horizontal	-51.66	-40.00	11.66	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 Horizontal 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	-75.40	3.20	12.50	Horizontal	-66.10	-40.00	26.10	45
3	7051.50	-57.07	4.40	12.30	Horizontal	-49.17	-40.00	9.17	180
4	9400.00	-62.93	4.70	11.80	Horizontal	-55.83	-40.00	15.83	0
5	11753.25	-56.19	5.40	14.00	Horizontal	-47.59	-40.00	7.59	315
6	14100.00	-62.22	6.10	16.80	Horizontal	-51.52	-40.00	11.52	0
7	16450.00	-60.18	5.70	14.15	Horizontal	-51.73	-40.00	11.73	45
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 Horizontal position.



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

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5181.00	-64.88	3.20	12.50	Horizontal	-55.58	-25.00	30.58	45
3	7771.50	-58.59	4.40	12.30	Horizontal	-50.69	-25.00	25.69	135
4	10362.00	-52.67	4.70	11.80	Horizontal	-45.57	-25.00	20.57	315
5	12952.50	-53.14	5.40	14.00	Horizontal	-44.54	-25.00	19.54	0
6	15543.00	-56.17	6.10	16.80	Horizontal	-45.47	-25.00	20.47	180
7	18071.55	--	--	--	--	--	--	--	--
8	20653.20	--	--	--	--	--	--	--	--
9	23234.85	--	--	--	--	--	--	--	--
10	25816.50	--	--	--	--	--	--	--	--

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

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

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

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5166.00	-65.67	3.20	12.50	Horizontal	-56.37	-25.00	31.37	135
3	7749.00	-58.25	4.40	12.30	Horizontal	-50.35	-25.00	25.35	270
4	10332.00	-53.55	4.70	11.80	Horizontal	-46.45	-25.00	21.45	45
5	12915.00	-52.33	5.40	14.00	Horizontal	-43.73	-25.00	18.73	315
6	15498.00	-57.00	6.10	16.80	Horizontal	-46.30	-25.00	21.30	180
7	18023.60	--	--	--	--	--	--	--	--
8	20598.40	--	--	--	--	--	--	--	--
9	23173.20	--	--	--	--	--	--	--	--
10	25748.00	--	--	--	--	--	--	--	--

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

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



CA 41C_5M+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	5162.60	-63.68	3.20	12.50	Vertical	-54.38	-25.00	29.38	135
3	7743.90	-59.48	4.40	12.30	Vertical	-51.58	-25.00	26.58	225
4	10325.20	-54.23	4.70	11.80	Vertical	-47.13	-25.00	22.13	45
5	12906.50	-54.90	5.40	14.00	Vertical	-46.30	-25.00	21.30	0
6	15487.80	-55.55	6.10	16.80	Vertical	-44.85	-25.00	19.85	315
7	18069.10	--	--	--	--	--	--	--	--
8	20684.00	--	--	--	--	--	--	--	--
9	23269.50	--	--	--	--	--	--	--	--
10	25855.00	--	--	--	--	--	--	--	--

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 41C_20M+5M 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	5176.00	-63.06	3.20	12.50	Vertical	-53.76	-25.00	28.76	45
3	7764.00	-60.71	4.40	12.30	Vertical	-52.81	-25.00	27.81	0
4	10352.00	-55.70	4.70	11.80	Vertical	-48.60	-25.00	23.60	135
5	12940.00	-56.07	5.40	14.00	Vertical	-47.47	-25.00	22.47	225
6	15528.00	-54.01	6.10	16.80	Vertical	-43.31	-25.00	18.31	90
7	18116.00	--	--	--	--	--	--	--	--
8	20704.00	--	--	--	--	--	--	--	--
9	23292.00	--	--	--	--	--	--	--	--
10	25880.00	--	--	--	--	--	--	--	--

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 41C_ 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	5156.00	-62.61	3.20	12.50	Vertical	-53.31	-25.00	28.31	45
3	7734.00	-59.46	4.40	12.30	Vertical	-51.56	-25.00	26.56	225
4	10425.00	-55.47	4.70	11.80	Vertical	-48.37	-25.00	23.37	90
5	12890.00	-54.67	5.40	14.00	Vertical	-46.07	-25.00	21.07	0
6	15468.00	-52.77	6.10	16.80	Vertical	-42.07	-25.00	17.07	45
7	18046.00	--	--	--	--	--	--	--	--
8	20624.00	--	--	--	--	--	--	--	--
9	23202.00	--	--	--	--	--	--	--	--
10	25780.00	--	--	--	--	--	--	--	--

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 41C_ 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	5146.20	-64.45	3.20	12.50	Vertical	-55.15	-25.00	30.15	0
3	7719.30	-55.93	4.40	12.30	Vertical	-48.03	-25.00	23.03	45
4	10292.40	-53.87	4.70	11.80	Vertical	-46.77	-25.00	21.77	180
5	12865.50	-49.93	5.40	14.00	Vertical	-41.33	-25.00	16.33	90
6	15438.60	-52.19	6.10	16.80	Vertical	-41.49	-25.00	16.49	315
7	18011.70	--	--	--	--	--	--	--	--
8	20584.80	--	--	--	--	--	--	--	--
9	23157.90	--	--	--	--	--	--	--	--
10	25731.00	--	--	--	--	--	--	--	--

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
Communication tester	Anritsu	MT8821C	6201538758	2021-05-15	2022-05-14
				2022-05-15	2023-05-14
Communication tester	ANRITSU	MT8000A	6261844783	2021-06-04	2022-06-04
Climate Chamber	ESPEC	SU-242	93000506	2021-12-12	2022-12-11
Universal Radio Communication Tester	R&S	CMW500	150415	2021-05-15	2022-05-14
				2022-05-15	2023-05-14
Spectrum Analyzer	Keysight	N9020A	MY54420163	2021-12-12	2022-12-11
Universal Radio Communication Tester	StarPoint	SP9500	SP9500-20440	2021-05-15	2022-05-14
				2022-05-15	2023-05-14
Spectrum Analyzer	R&S	FSV40	101297	2021-12-12	2022-12-11
Signal Analyzer	R&S	FSV3030	101411	2021-12-12	2022-12-11
TRILOG Broadband Antenna	Schwarzbeck	VULB 9163	01111	2019-09-12	2022-09-11
Horn Antenna	Schwarzbeck	BBHA 9120D	1594	2020-12-17	2023-12-16
Horn Antenna	ETS-Lindgren	3160-09	00102643	2021-10-10	2024-10-09
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.