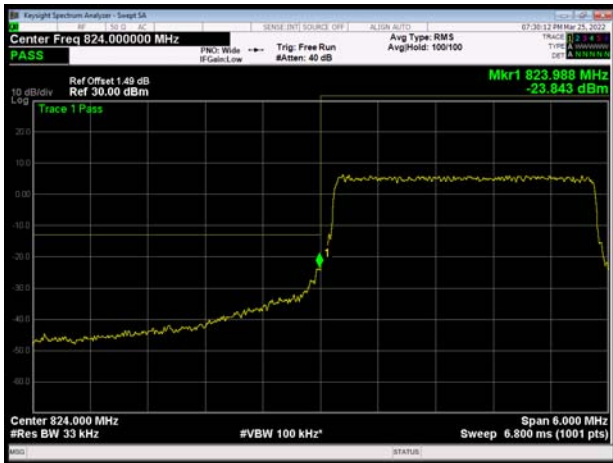


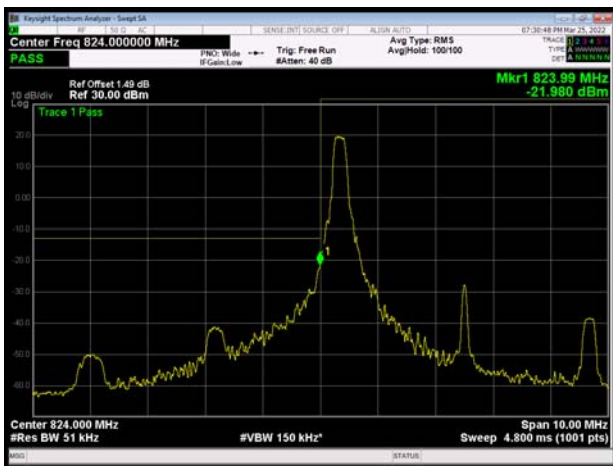
LTE Band 5 QPSK 3MHz CH-Low 100%RB



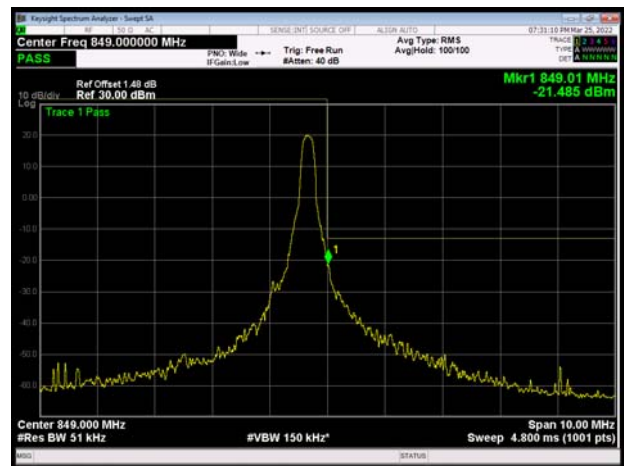
LTE Band 5 QPSK 3MHz CH-High 100%RB



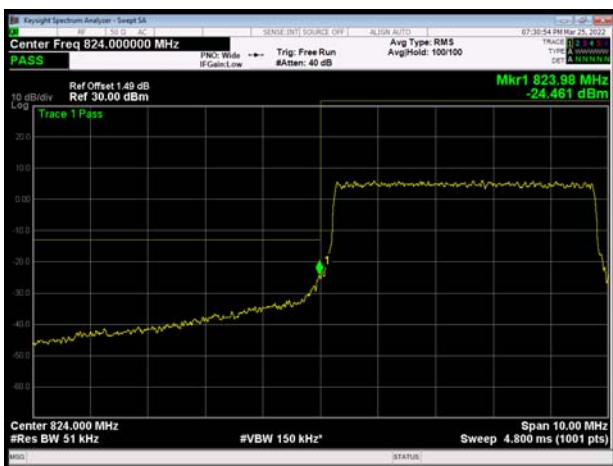
LTE Band 5 QPSK 5MHz CH-Low 1RB



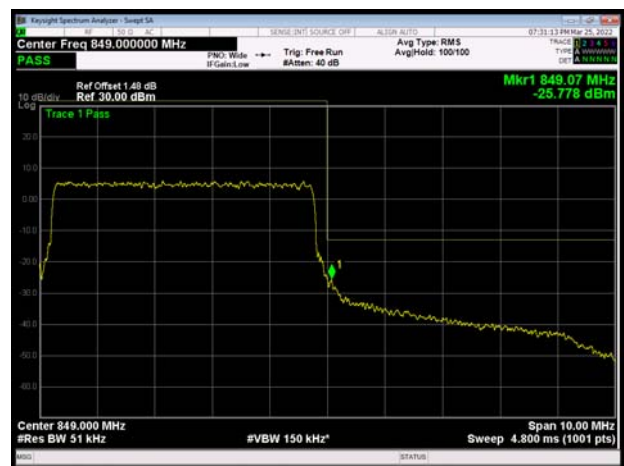
LTE Band 5 QPSK 5MHz CH-High 1RB



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

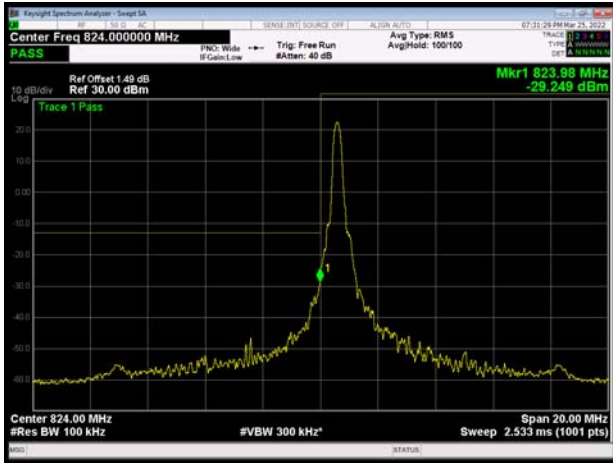


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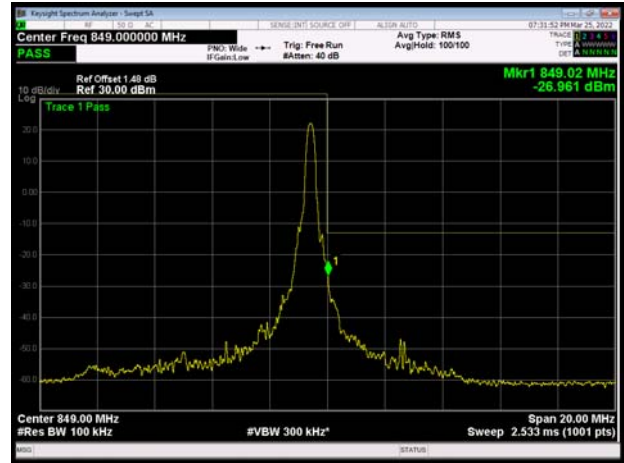




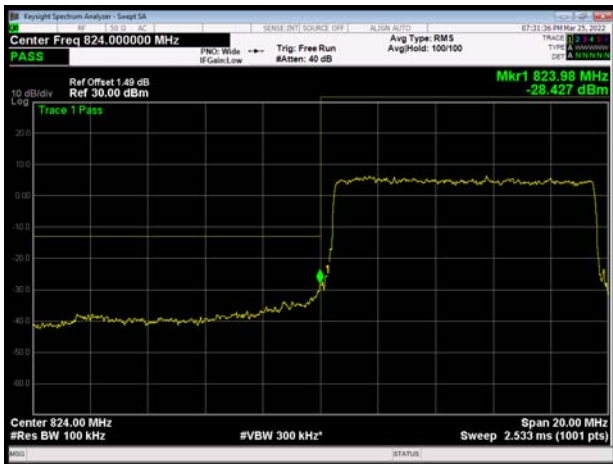
LTE Band 5 QPSK 10MHz CH-Low 1RB



LTE Band 5 QPSK 10MHz CH-High 1RB



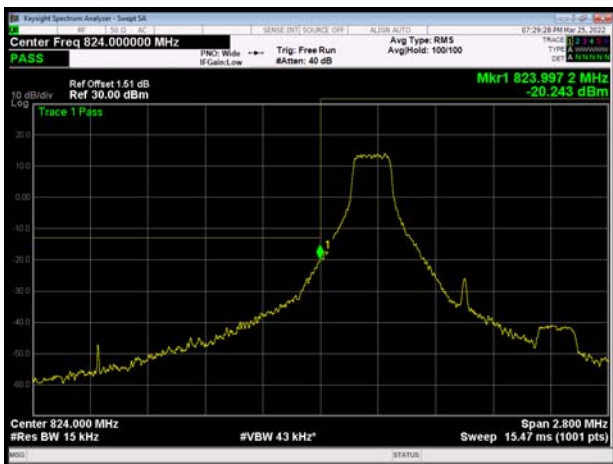
LTE Band 5 QPSK 10MHz CH-Low 100%RB



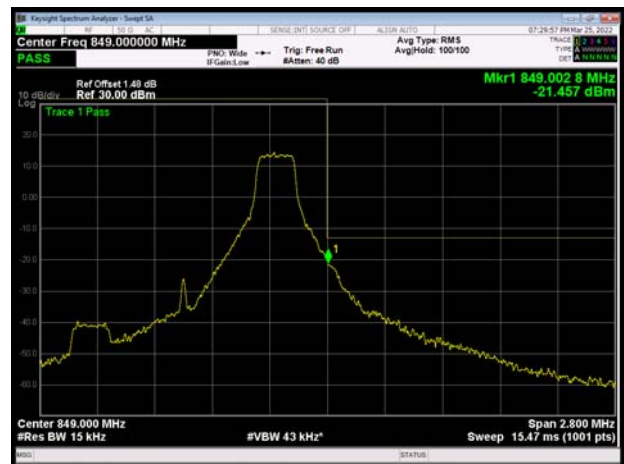
LTE Band 5 QPSK 10MHz CH-High 100%RB



LTE Band 5 16QAM 1.4MHz CH-Low 1RB

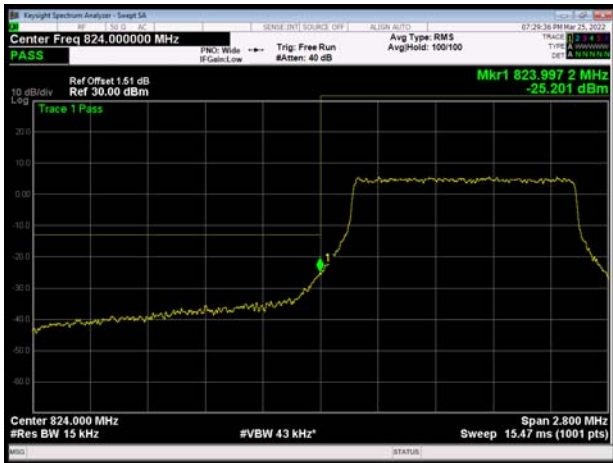


LTE Band 5 16QAM 1.4MHz CH-High 1RB





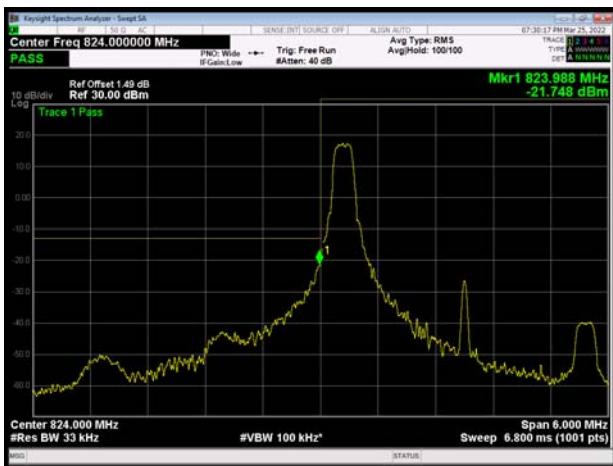
LTE Band 5 16QAM 1.4MHz CH-Low 100%RB



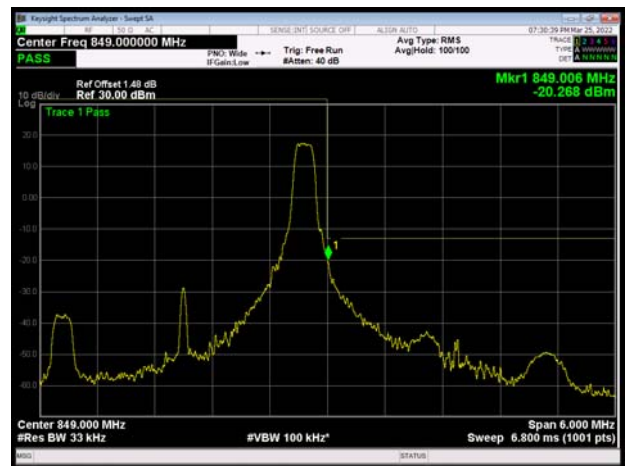
LTE Band 5 16QAM 1.4MHz CH-High 100%RB



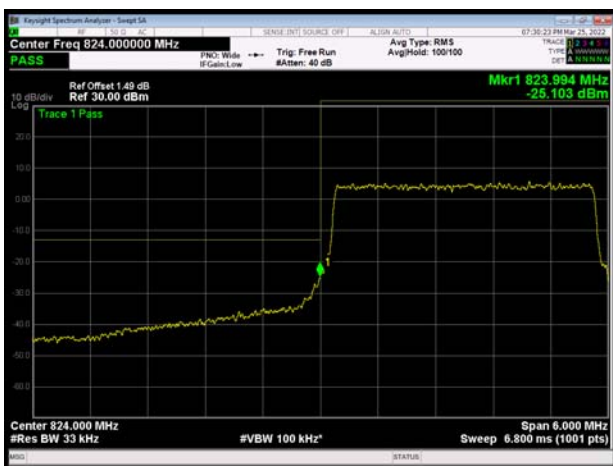
LTE Band 5 16QAM 3MHz CH-Low 1RB



LTE Band 5 16QAM 3MHz CH-High 1RB



LTE Band 5 16QAM 3MHz CH-Low 100%RB

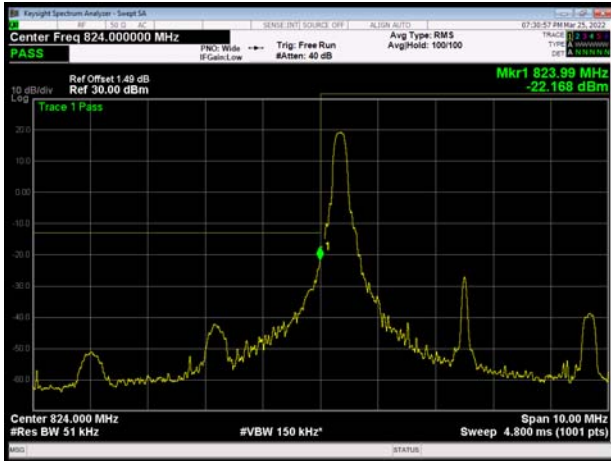


LTE Band 5 16QAM 3MHz CH-High 100%RB

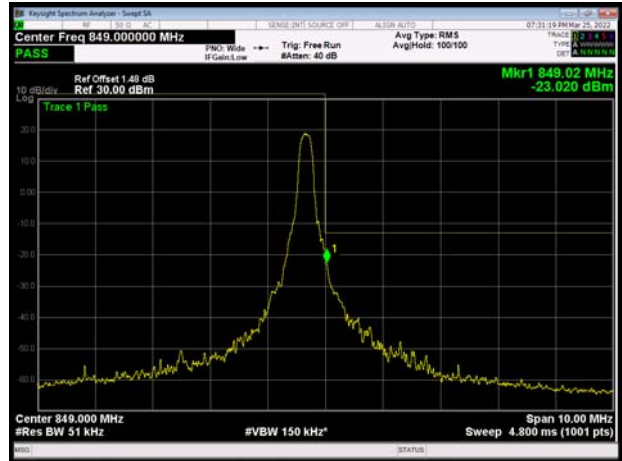




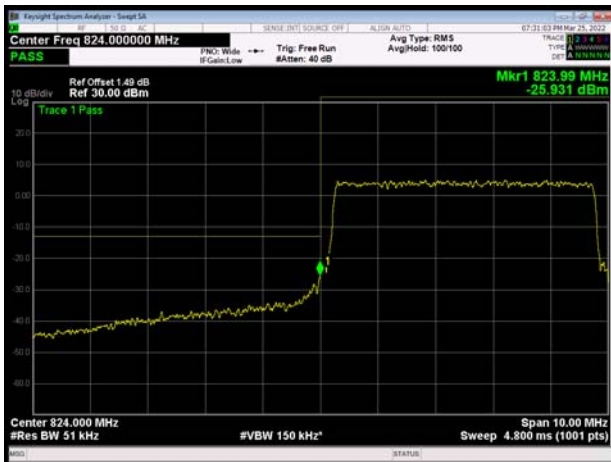
LTE Band 5 16QAM 5MHz CH-Low 1RB



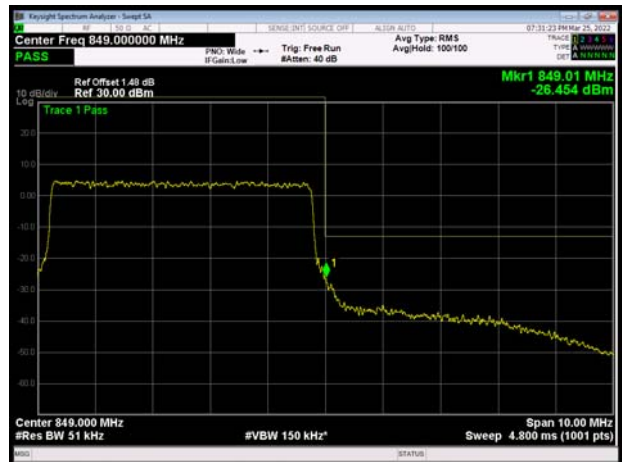
LTE Band 5 16QAM 5MHz CH-High 1RB



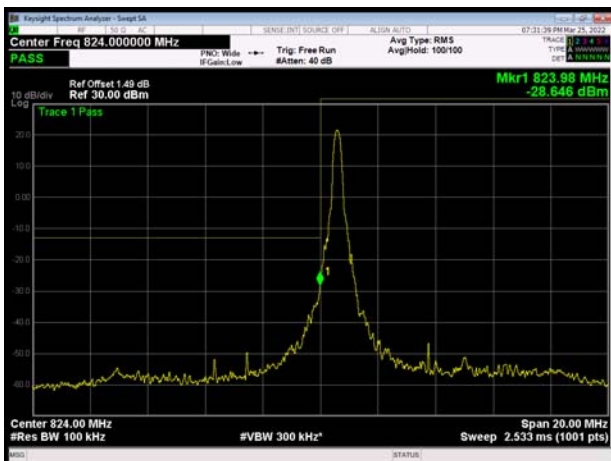
LTE Band 5 16QAM 5MHz CH-Low 100%RB



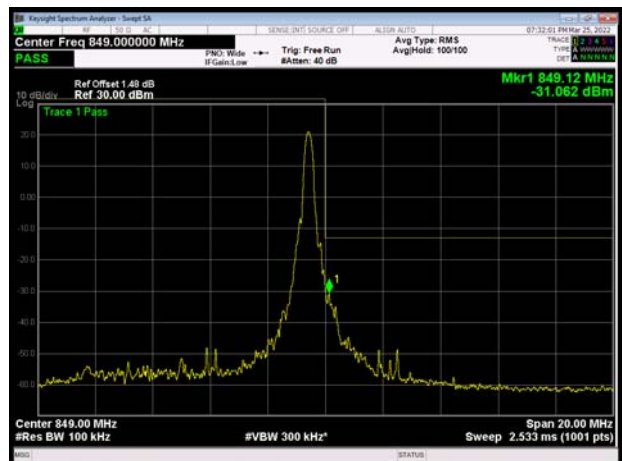
LTE Band 5 16QAM 5MHz CH-High 100%RB



LTE Band 5 16QAM 10MHz CH-Low 1RB

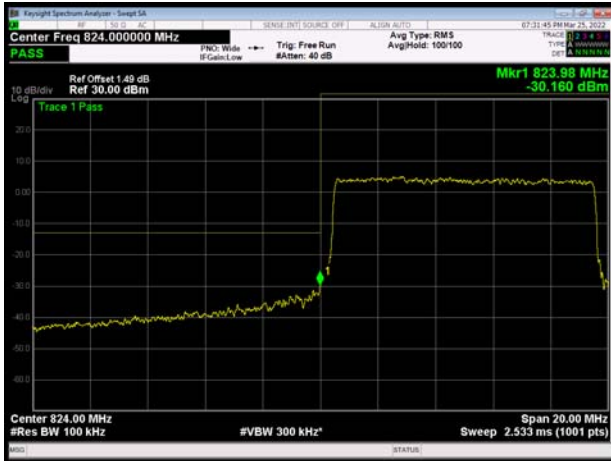


LTE Band 5 16QAM 10MHz CH-High 1RB

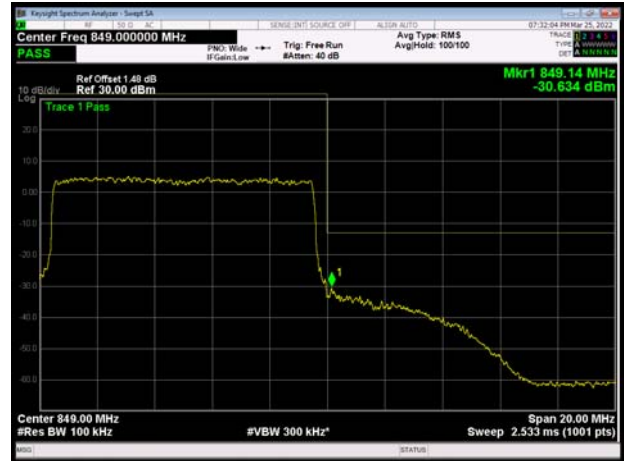




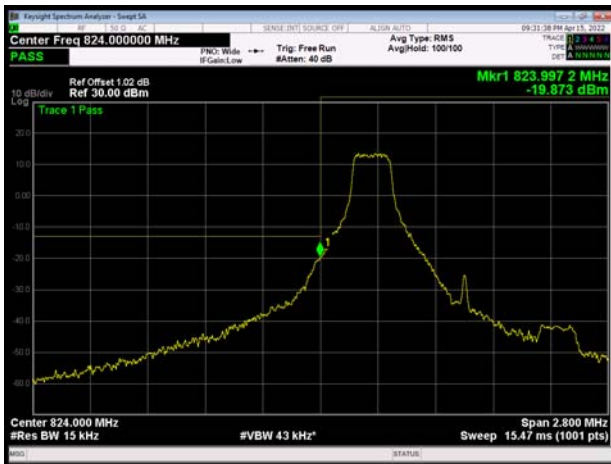
LTE Band 5 16QAM 10MHz CH-Low 100%RB



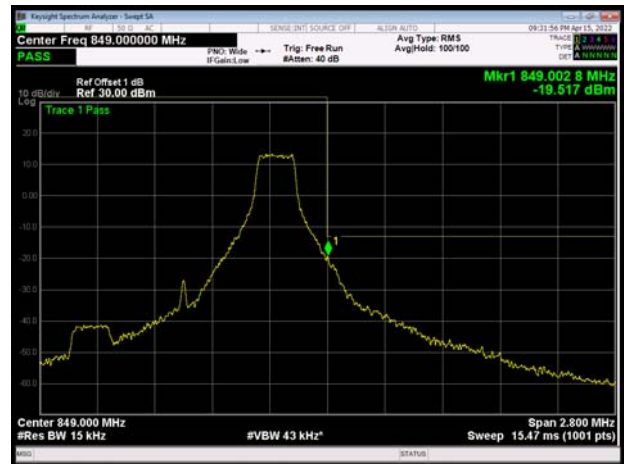
LTE Band 5 16QAM 10MHz CH-High 100%RB



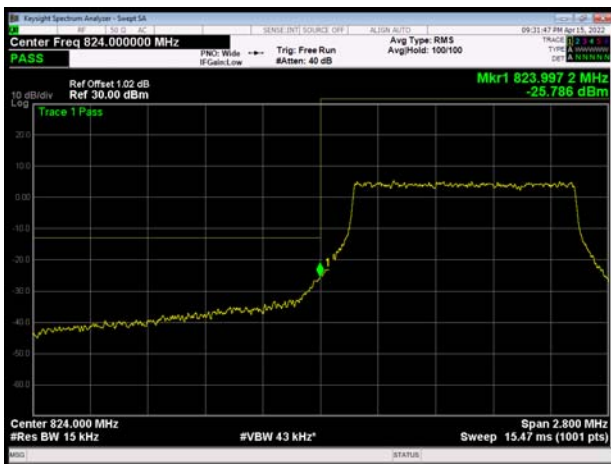
LTE Band 5 64QAM 1.4MHz CH-Low 1RB



LTE Band 5 64QAM 1.4MHz CH-High 1RB



LTE Band 5 64QAM 1.4MHz CH-Low 100%RB

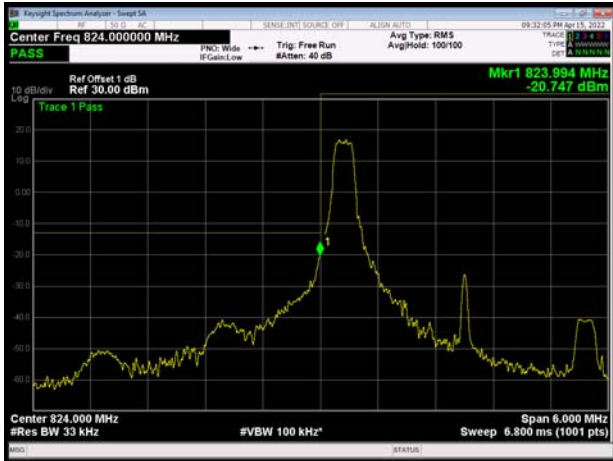


LTE Band 5 64QAM 1.4MHz CH-High 100%RB

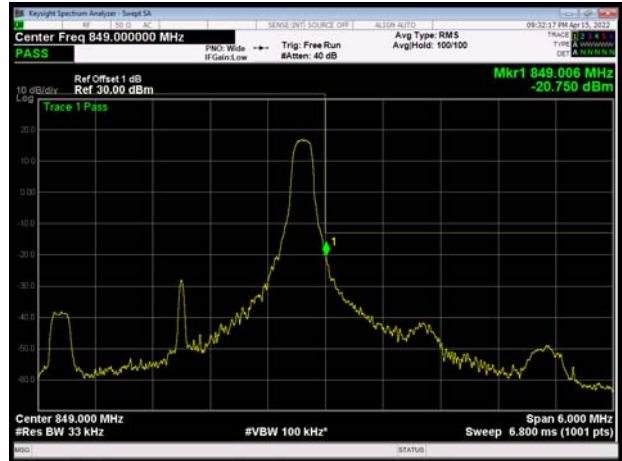




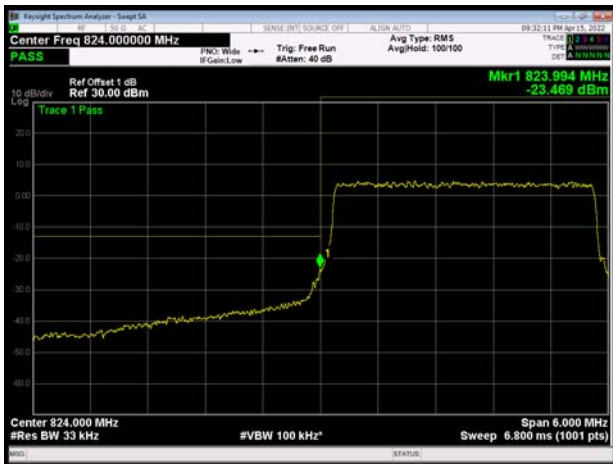
LTE Band 5 64QAM 3MHz CH-Low 1RB



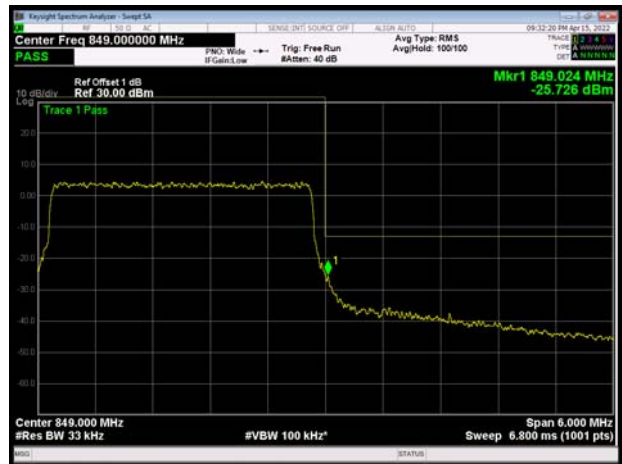
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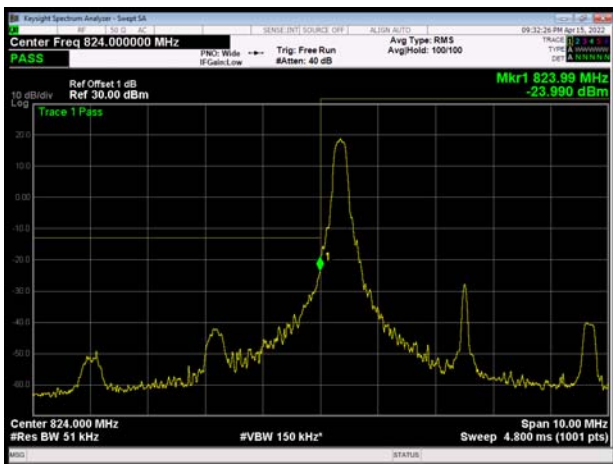
LTE Band 5 64QAM 3MHz CH-Low 100%RB



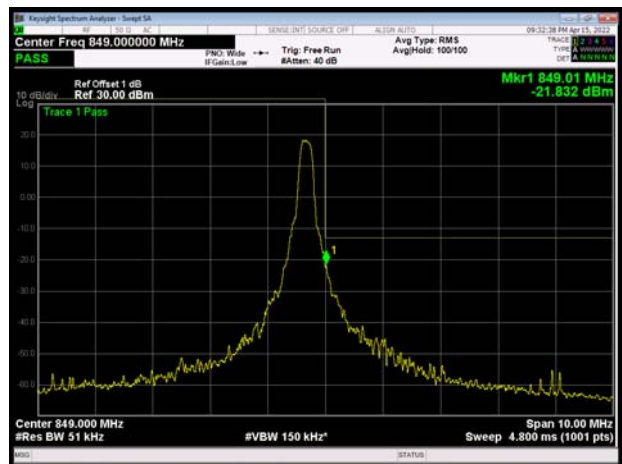
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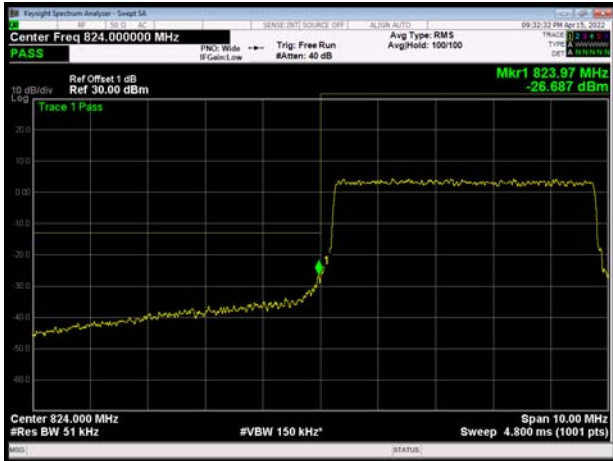
LTE Band 5 64QAM 5MHz CH-Low 1RB



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



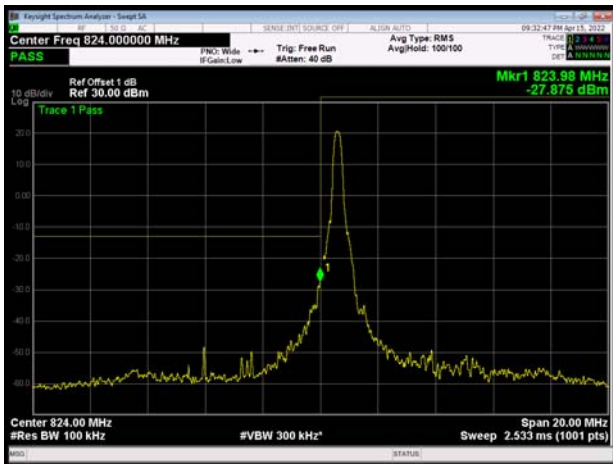
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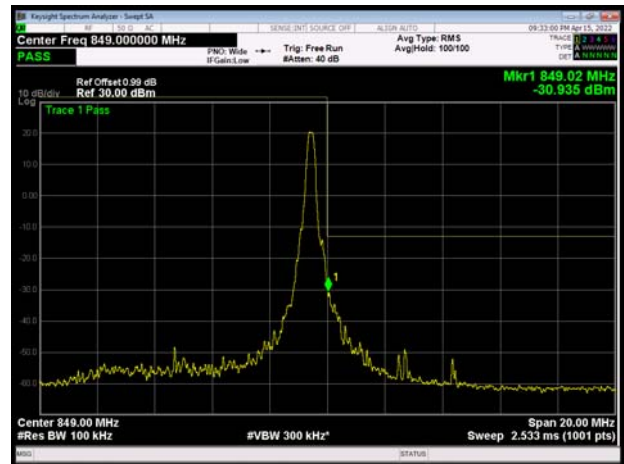
LTE Band 5 64QAM 5MHz CH-High 100%RB



LTE Band 5 64QAM 10MHz CH-Low 1RB



LTE Band 5 64QAM 10MHz CH-High 1RB



LTE Band 5 64QAM 10MHz CH-Low 100%RB

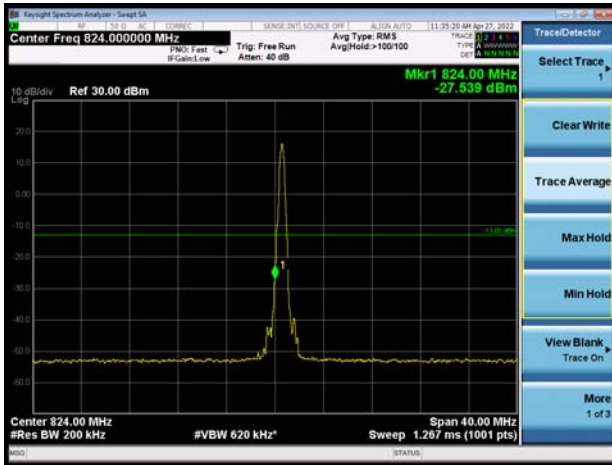


LTE Band 5 64QAM 10MHz CH-High 100%RB

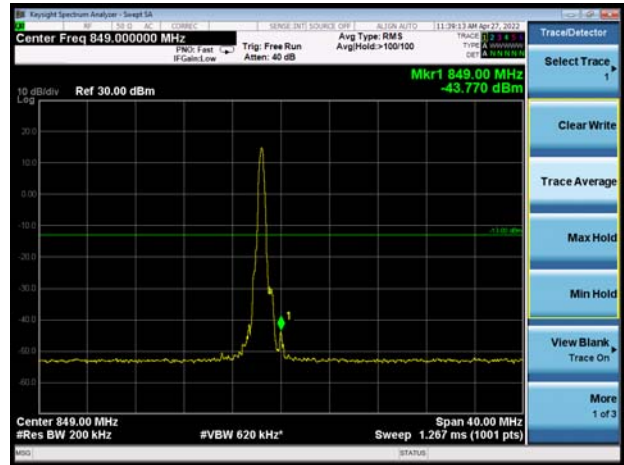




NR n5 P1/2 BPSK 20MHz CH-Low 1RB



NR n5 P1/2 BPSK 20MHz CH-High 1RB



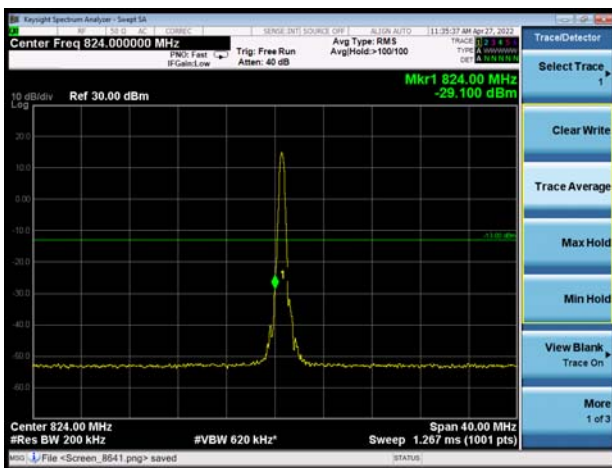
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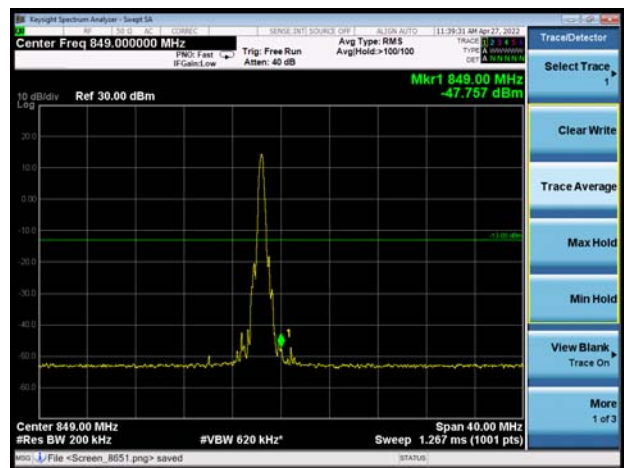
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NR n5 QPSK 20MHz CH-Low 1RB



NR n5 QPSK 20MHz CH-High 1RB



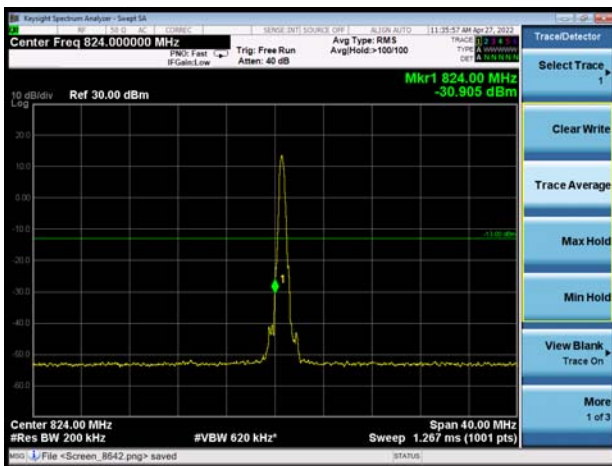
NR n5 QPSK 20MHz CH-Low 100%RB



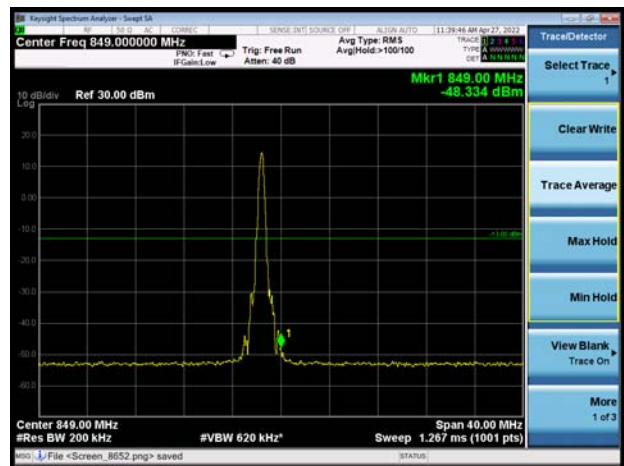
NR n5 QPSK 20MHz CH-High 100%RB



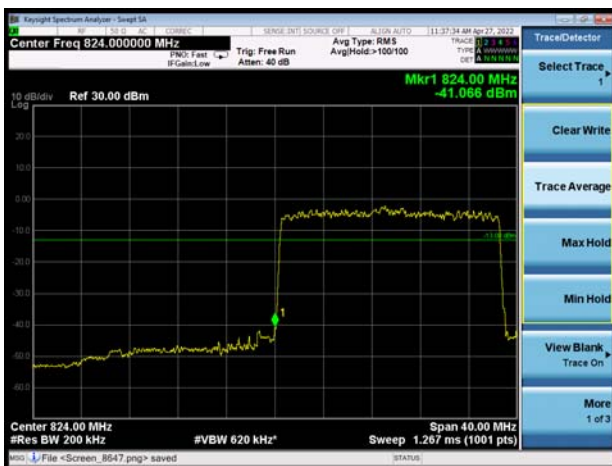
NR n5 16QAM 20MHz CH-Low 1RB



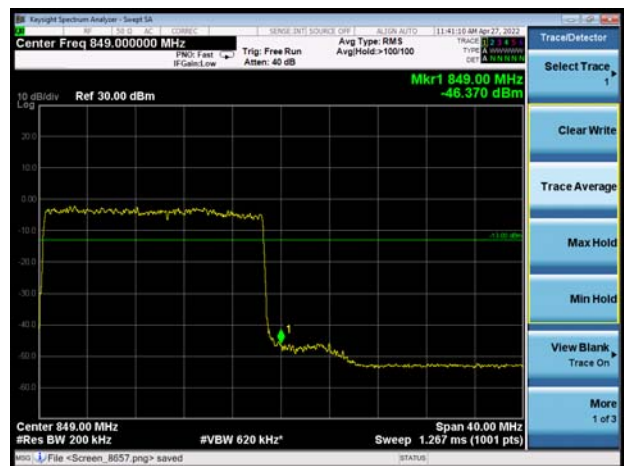
NR n5 16QAM 20MHz CH-High 1RB



NR n5 16QAM 20MHz CH-Low 100%RB

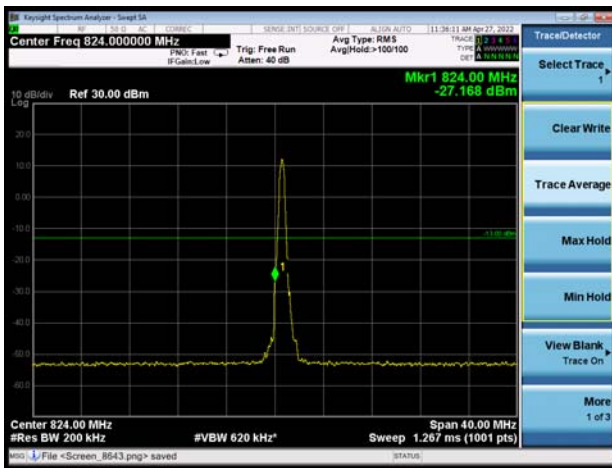


NR n5 16QAM 20MHz CH-High 100%RB

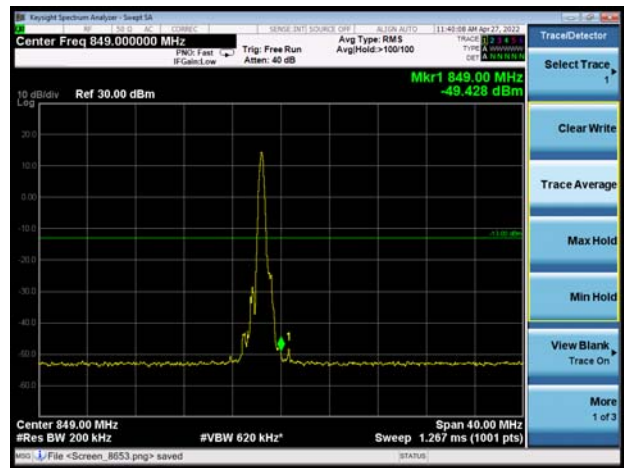




NR n5 64QAM 20MHz CH-Low 1RB



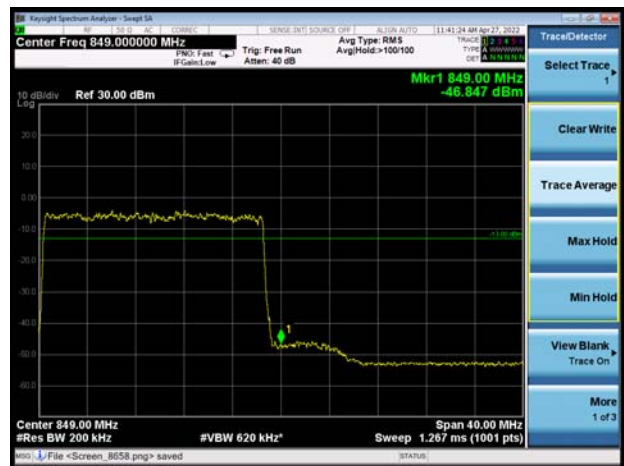
NR n5 64QAM 20MHz CH-High 1RB



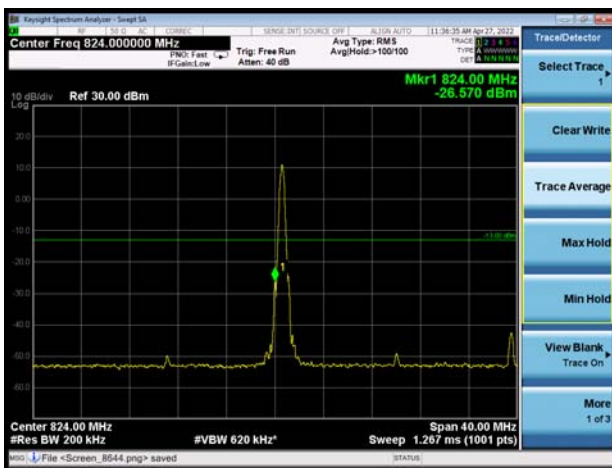
NR n5 64QAM 20MHz CH-Low 100%RB



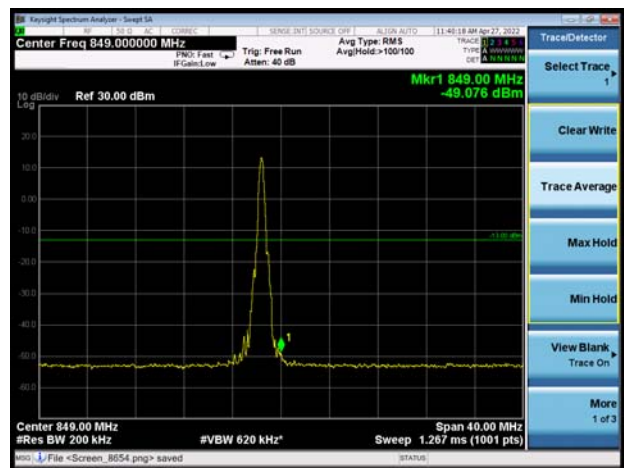
NR n5 64QAM 20MHz CH-High 100%RB



NR n5 256QAM 20MHz CH-Low 1RB



NR n5 256QAM 20MHz CH-High 1RB





NR n5 256QAM 20MHz CH-Low 100%RB

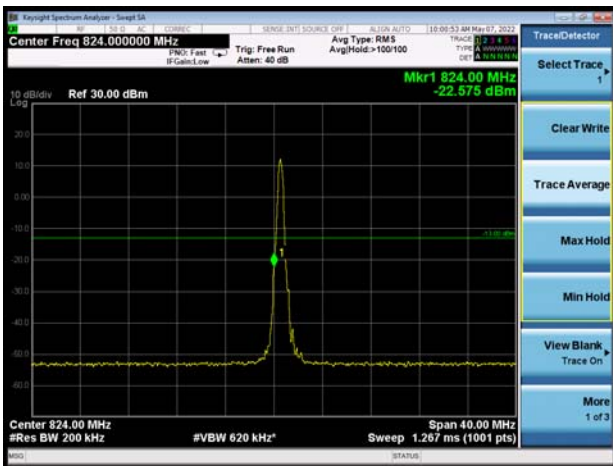


NR n5 256QAM 20MHz CH-High 100%RB

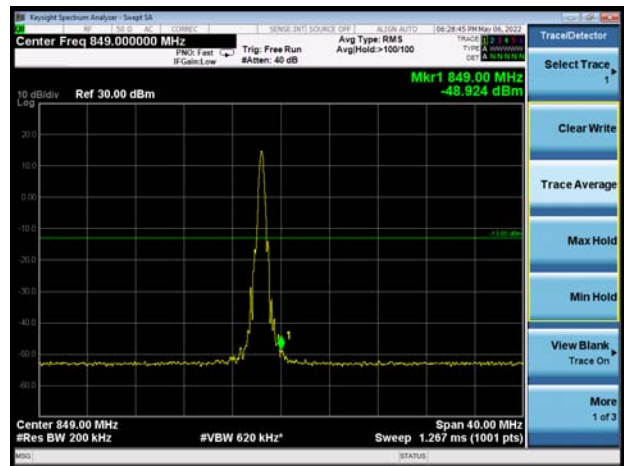




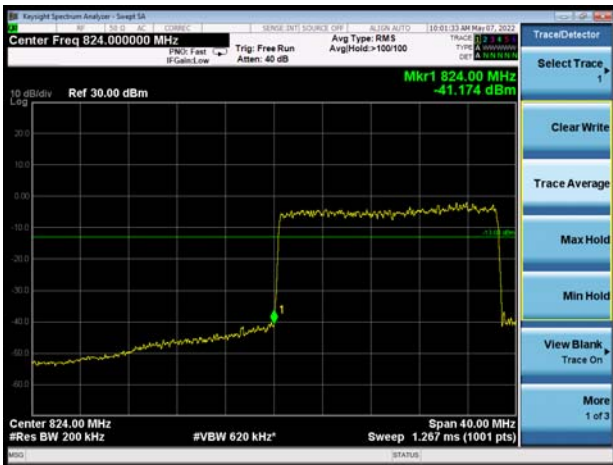
DC_66A-n5A P1/2 BPSK 20MHz CH-Low 1RB



DC_66A-n5A P1/2 BPSK 20MHz CH-High 1RB



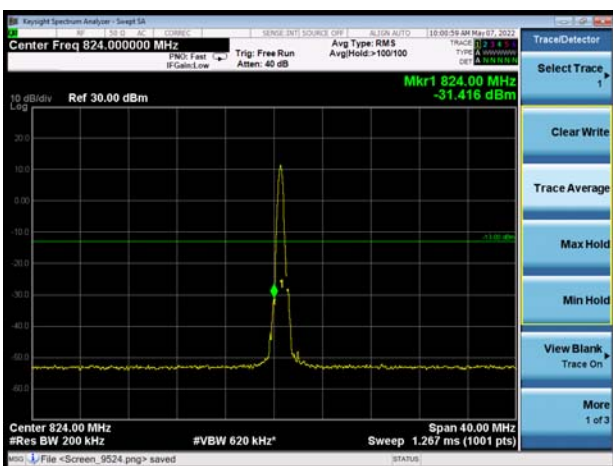
DC_66A-n5A P1/2 BPSK 20MHz CH-Low
100%RB



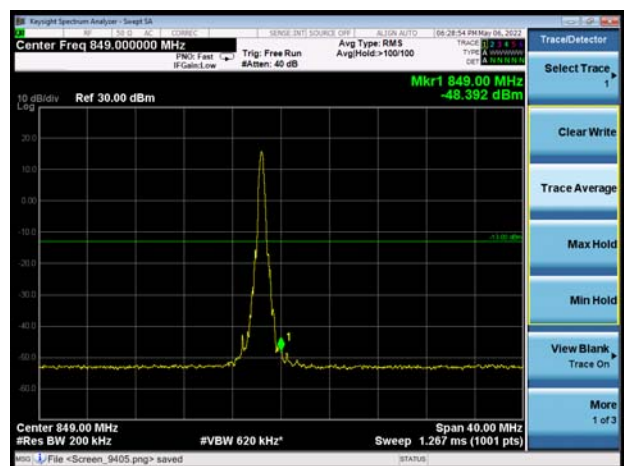
DC_66A-n5A P1/2 BPSK 20MHz CH-High
100%RB



DC_66A-n5A QPSK 20MHz CH-Low 1RB



DC_66A-n5A QPSK 20MHz CH-High 1RB

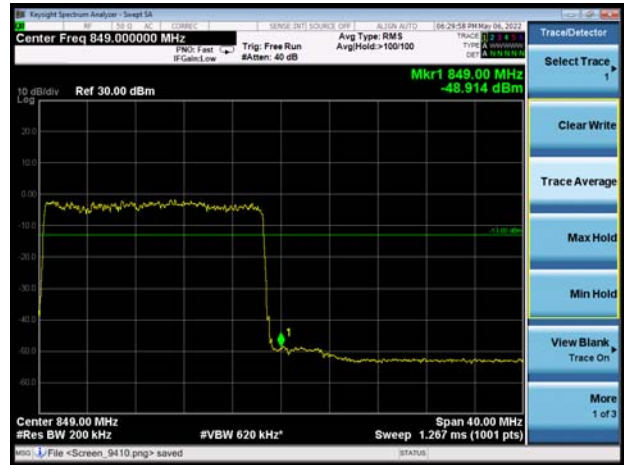




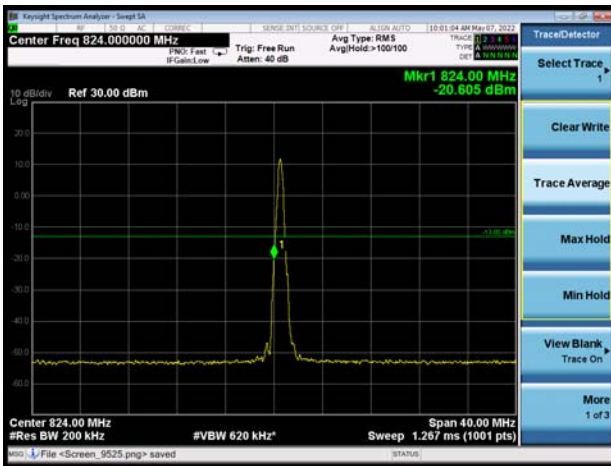
DC_66A-n5A QPSK 20MHz CH-Low 100%RB



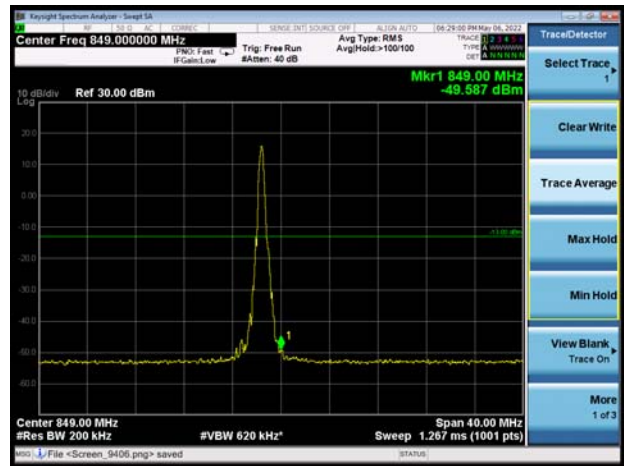
DC_66A-n5A QPSK 20MHz CH-High 100%RB



DC_66A-n5A 16QAM 20MHz CH-Low 1RB



DC_66A-n5A 16QAM 20MHz CH-High 1RB



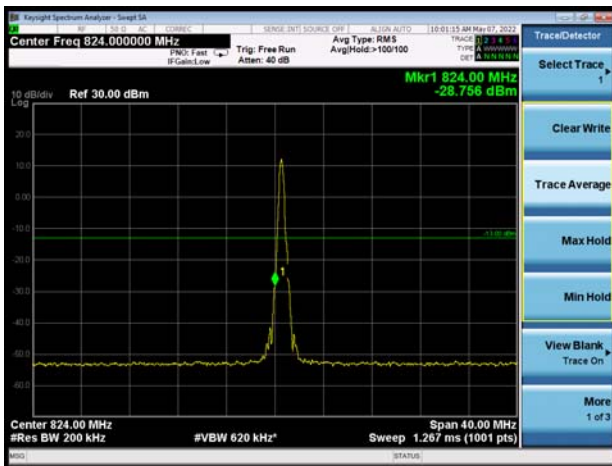
DC_66A-n5A 16QAM 20MHz CH-Low 100%RB



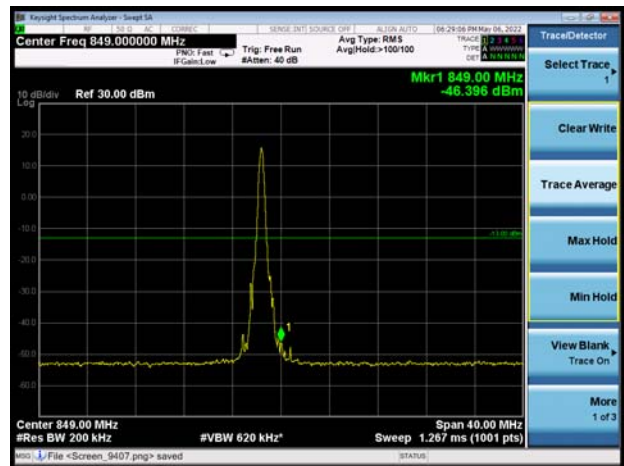
DC_66A-n5A 16QAM 20MHz CH-High 100%RB



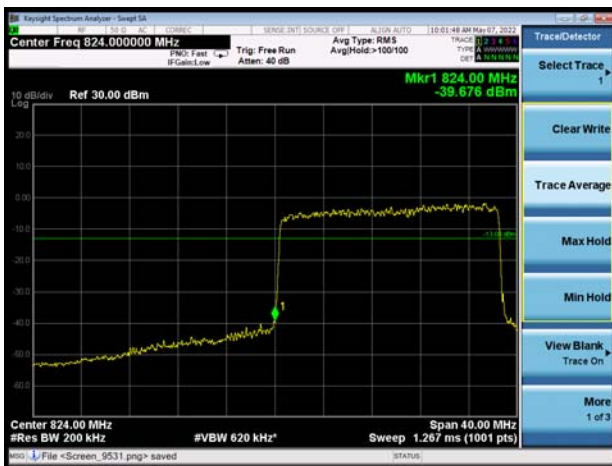
DC_66A-n5A 64QAM 20MHz CH-Low 1RB



DC_66A-n5A 64QAM 20MHz CH-High 1RB



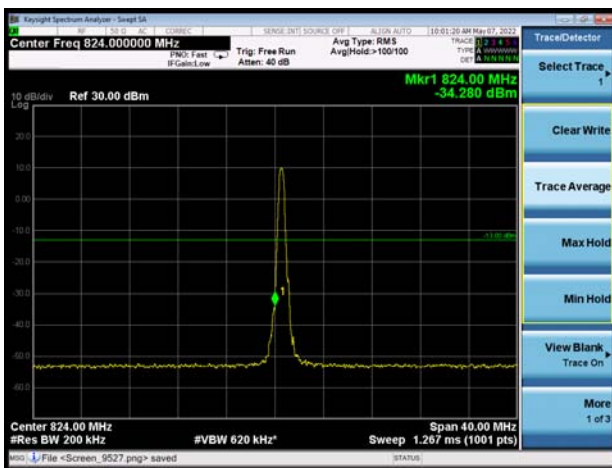
DC_66A-n5A 64QAM 20MHz CH-Low 100%RB



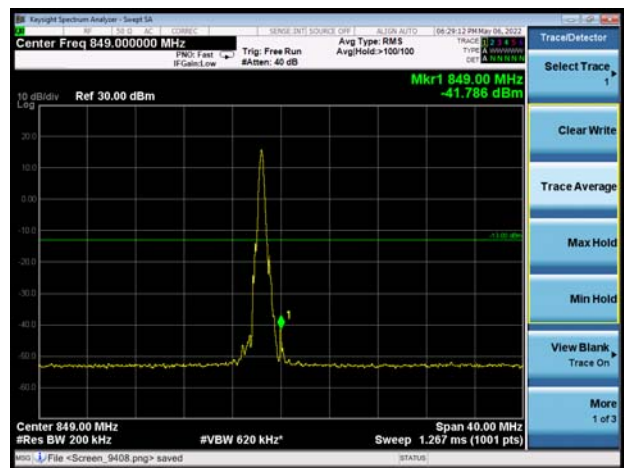
DC_66A-n5A 64QAM 20MHz CH-High 100%RB



DC_66A-n5A 256QAM 20MHz CH-Low 1RB



DC_66A-n5A 256QAM 20MHz CH-High 1RB





DC_66A-n5A 256QAM 20MHz CH-Low 100%RB



DC_66A-n5A 256QAM 20MHz CH-High 100%RB



6.4. Peak-to-Average Power Ratio (PAPR)

Mode	Channel	Frequency (MHz)	Peak (dBm)	Avg (dBm)	PAPR (dB)	Limit (dB)	Conclusion
GSM 850 (GMSK)	128	824.2	33.23	30.27	2.96	≤13	PASS
	190	836.6	33.59	30.61	2.98	≤13	PASS
	251	848.8	33.54	30.58	2.96	≤13	PASS
GPRS 850 (GMSK)	128	824.2	33.32	30.36	2.96	≤13	PASS
	190	836.6	33.62	30.65	2.97	≤13	PASS
	251	848.8	33.59	30.62	2.97	≤13	PASS
EGPRS 850 (8PSK)	128	824.2	30.53	24.54	5.99	≤13	PASS
	190	836.6	30.60	24.70	5.90	≤13	PASS
	251	848.8	30.66	24.66	6.00	≤13	PASS
WCDMA Band V (RMC)	4132	826.4	27.89	25.15	2.74	≤13	PASS
	4183	836.6	27.90	25.17	2.73	≤13	PASS
	4233	846.6	28.04	25.24	2.80	≤13	PASS

LTE Band 5								
Modulation	Bandwidth (MHz)	Channel	Frequency (MHz)	Peak (dBm)	Avg (dBm)	PAPR (dB)	Limit (dB)	Conclusion
QPSK	1.4	20407	824.7	28.28	23.89	4.39	≤13	PASS
		20525	836.5	28.28	23.88	4.40	≤13	PASS
		20643	848.3	28.23	23.91	4.32	≤13	PASS
	3	20415	825.5	28.35	23.92	4.43	≤13	PASS
		20525	836.5	28.34	23.91	4.43	≤13	PASS
		20635	847.5	28.30	23.89	4.41	≤13	PASS
	5	20425	826.5	28.37	23.94	4.43	≤13	PASS
		20525	836.5	28.39	23.95	4.44	≤13	PASS
		20625	846.5	28.36	23.89	4.47	≤13	PASS
	10	20450	829	28.62	23.99	4.63	≤13	PASS
		20525	836.5	28.65	23.98	4.67	≤13	PASS
		20600	844	28.73	24.00	4.73	≤13	PASS
16QAM	1.4	20407	824.7	28.22	22.90	5.32	≤13	PASS
		20525	836.5	28.31	22.91	5.40	≤13	PASS
		20643	848.3	28.21	22.91	5.30	≤13	PASS
	3	20415	825.5	28.26	22.91	5.35	≤13	PASS



		20525	836.5	28.32	22.93	5.39	≤13	PASS
		20635	847.5	28.27	22.86	5.41	≤13	PASS
	5	20425	826.5	28.36	22.98	5.38	≤13	PASS
		20525	836.5	28.38	22.96	5.42	≤13	PASS
		20625	846.5	28.38	22.90	5.48	≤13	PASS
	10	20450	829	28.54	22.99	5.55	≤13	PASS
		20525	836.5	28.56	22.99	5.57	≤13	PASS
		20600	844	28.70	23.01	5.69	≤13	PASS
64QAM	1.4	20407	824.7	27.74	22.39	5.35	≤13	PASS
		20525	836.5	27.68	22.36	5.32	≤13	PASS
		20643	848.3	27.67	22.37	5.30	≤13	PASS
	3	20415	825.5	27.73	22.41	5.32	≤13	PASS
		20525	836.5	27.76	22.38	5.38	≤13	PASS
		20635	847.5	27.69	22.32	5.37	≤13	PASS
	5	20425	826.5	27.81	22.42	5.39	≤13	PASS
		20525	836.5	27.79	22.40	5.39	≤13	PASS
		20625	846.5	27.82	22.36	5.46	≤13	PASS
	10	20450	829	27.99	22.44	5.55	≤13	PASS
		20525	836.5	27.97	22.41	5.56	≤13	PASS
		20600	844	28.12	22.44	5.68	≤13	PASS

NR n5								
Bandwidth (MHz)	Modulation	Channel	Frequency (MHz)	Peak (dBm)	Avg (dBm)	PAPR (dB)	Limit (dB)	Conclusion
20	P1/2 BPSK	166800	834	28.00	16.23	11.77	≤13	PASS
		167300	836.5	27.99	16.15	11.84	≤13	PASS
		167800	839	28.00	16.91	11.09	≤13	PASS
	QPSK	166800	834	28.00	16.23	11.77	≤13	PASS
		167300	836.5	27.99	16.15	11.84	≤13	PASS
		167800	839	28.00	16.91	11.09	≤13	PASS
	16QAM	166800	834	27.71	15.43	12.28	≤13	PASS
		167300	836.5	27.63	15.13	12.50	≤13	PASS
		167800	839	27.54	15.36	12.18	≤13	PASS
	64QAM	166800	834	27.30	14.52	12.78	≤13	PASS
		167300	836.5	27.33	14.74	12.59	≤13	PASS
		167800	839	27.24	14.62	12.62	≤13	PASS
	256QAM	166800	834	25.31	12.61	12.70	≤13	PASS
		167300	836.5	25.42	13.16	12.26	≤13	PASS
		167800	839	25.34	13.30	12.04	≤13	PASS



DC_66A-n5A								
Bandwidth (MHz)	Modulation	Channel	Frequency (MHz)	Peak (dBm)	Avg (dBm)	PAPR (dB)	Limit (dB)	Conclusion
20	P1/2 BPSK	166800	834	28.23	15.67	12.56	≤13	PASS
		167300	836.5	28.28	16.56	11.72	≤13	PASS
		167800	839	28.31	16.70	11.61	≤13	PASS
	QPSK	166800	834	28.28	16.39	11.89	≤13	PASS
		167300	836.5	28.18	15.88	12.30	≤13	PASS
		167800	839	28.24	16.48	11.76	≤13	PASS
	16QAM	166800	834	28.11	16.15	11.96	≤13	PASS
		167300	836.5	28.02	15.93	12.09	≤13	PASS
		167800	839	28.00	15.59	12.41	≤13	PASS
	64QAM	166800	834	27.90	15.80	12.10	≤13	PASS
		167300	836.5	27.70	15.48	12.22	≤13	PASS
		167800	839	27.76	15.84	11.92	≤13	PASS
	256QAM	166800	834	25.89	14.04	11.85	≤13	PASS
		167300	836.5	25.79	13.88	11.91	≤13	PASS
		167800	839	25.79	13.55	12.24	≤13	PASS

6.5. Frequency Stability

GSM850						
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
Temperature	Voltage	GMSK	8PSK	GMSK	8PSK	
Normal (25°C)	Normal	17.40	11.79	0.02080	0.01409	PASS
Extreme (50°C)		7.93	5.21	0.00948	0.00622	PASS
Extreme (40°C)		11.42	14.97	0.01365	0.01789	PASS
Extreme (30°C)		2.38	4.54	0.00285	0.00542	PASS
Extreme (20°C)		5.98	7.52	0.00714	0.00899	PASS
Extreme (10°C)		17.15	16.30	0.02050	0.01948	PASS
Extreme (0°C)		6.68	14.43	0.00799	0.01725	PASS
Extreme (-10°C)		17.64	9.38	0.02108	0.01122	PASS
Extreme (-20°C)		12.12	6.10	0.01449	0.00730	PASS
Extreme (-30°C)		4.81	12.62	0.00575	0.01509	PASS
25°C	LV	12.08	5.49	0.01443	0.00656	PASS
	HV	4.28	16.33	0.00511	0.01952	PASS

WCDMA Band5						
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
Temperature	Voltage	BPSK	QPSK	BPSK	QPSK	
Normal (25°C)	Normal	13.76	14.75	0.01645	0.01763	PASS
Extreme (50°C)		12.21	10.91	0.01459	0.01304	PASS
Extreme (40°C)		12.72	15.16	0.01520	0.01812	PASS
Extreme (30°C)		12.00	10.98	0.01434	0.01313	PASS
Extreme (20°C)		6.42	8.13	0.00767	0.00972	PASS
Extreme (10°C)		1.11	4.70	0.00132	0.00562	PASS
Extreme (0°C)		14.88	16.21	0.01778	0.01938	PASS
Extreme (-10°C)		7.51	8.06	0.00897	0.00963	PASS
Extreme (-20°C)		10.19	14.51	0.01218	0.01735	PASS
Extreme (-30°C)		4.38	14.05	0.00524	0.01680	PASS
25°C	LV	8.39	14.09	0.01003	0.01685	PASS
	HV	9.74	1.38	0.01164	0.00165	PASS



LTE Band 5								
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	1.4MHz							
Temperature	Voltage	64QAM	16QAM	QPSK	64QAM	16QAM	QPSK	
Normal (25°C)	Normal	14.88	15.96	6.13	0.01778	0.01908	0.00733	PASS
Extreme (50°C)		17.01	9.17	1.01	0.02034	0.01096	0.00121	PASS
Extreme (40°C)		9.99	9.49	1.88	0.01194	0.01134	0.00225	PASS
Extreme (30°C)		12.57	16.41	14.64	0.01503	0.01961	0.01751	PASS
Extreme (20°C)		3.78	4.60	16.47	0.00452	0.00550	0.01968	PASS
Extreme (10°C)		5.83	4.37	6.51	0.00697	0.00523	0.00778	PASS
Extreme (0°C)		4.83	8.15	12.79	0.00578	0.00974	0.01529	PASS
Extreme (-10°C)		13.90	17.35	6.87	0.01661	0.02074	0.00821	PASS
Extreme (-20°C)		7.29	8.87	6.92	0.00872	0.01060	0.00827	PASS
Extreme (-30°C)		1.22	12.00	17.62	0.00146	0.01435	0.02106	PASS
25°C		LV	14.97	10.00	6.68	0.01790	0.01196	0.00798
	HV	2.60	9.93	3.06	0.00310	0.01187	0.00365	PASS
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	3MHz							
Temperature	Voltage	64QAM	16QAM	QPSK	64QAM	16QAM	QPSK	
Normal (25°C)	Normal	7.65	1.92	7.55	0.00915	0.00229	0.00902	PASS
Extreme (50°C)		10.06	15.43	3.14	0.01202	0.01845	0.00375	PASS
Extreme (40°C)		5.63	16.31	6.81	0.00673	0.01949	0.00815	PASS
Extreme (30°C)		10.74	15.71	11.82	0.01284	0.01879	0.01413	PASS
Extreme (20°C)		11.56	2.38	3.59	0.01383	0.00285	0.00429	PASS
Extreme (10°C)		3.55	5.22	14.58	0.00424	0.00624	0.01743	PASS
Extreme (0°C)		2.09	13.28	2.39	0.00250	0.01587	0.00285	PASS
Extreme (-10°C)		5.25	16.68	3.06	0.00627	0.01994	0.00365	PASS
Extreme (-20°C)		11.24	2.15	14.50	0.01344	0.00256	0.01733	PASS
Extreme (-30°C)		4.64	5.59	16.50	0.00555	0.00668	0.01972	PASS
25°C		LV	12.60	9.07	9.26	0.01506	0.01084	0.01106
	HV	8.87	13.97	2.66	0.01061	0.01670	0.00318	PASS
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	10.41	7.49	9.16	0.01244	0.00896	0.01095	PASS
Extreme (50°C)		11.61	5.57	6.90	0.01388	0.00665	0.00825	PASS



Extreme (40°C)		13.36	15.55	2.96	0.01597	0.01859	0.00353	PASS
Extreme (30°C)		7.13	12.02	16.13	0.00852	0.01436	0.01928	PASS
Extreme (20°C)		9.11	12.43	4.23	0.01089	0.01485	0.00505	PASS
Extreme (10°C)		12.62	13.08	3.75	0.01509	0.01563	0.00448	PASS
Extreme (0°C)		4.58	12.45	2.04	0.00548	0.01488	0.00243	PASS
Extreme (-10°C)		16.85	3.61	4.06	0.02014	0.00432	0.00486	PASS
Extreme (-20°C)		1.73	15.52	2.44	0.00207	0.01855	0.00291	PASS
Extreme (-30°C)		16.67	10.92	2.65	0.01993	0.01306	0.00317	PASS
25°C	LV	1.67	6.22	15.52	0.00199	0.00744	0.01856	PASS
	HV	11.47	15.03	14.83	0.01371	0.01797	0.01773	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	11.09	15.89	14.12	0.01325	0.01899	0.01688	PASS
Extreme (50°C)		5.12	8.37	10.91	0.00612	0.01001	0.01304	PASS
Extreme (40°C)		4.22	6.07	14.33	0.00505	0.00725	0.01713	PASS
Extreme (30°C)		17.76	17.49	1.26	0.02123	0.02091	0.00151	PASS
Extreme (20°C)		8.55	17.33	10.59	0.01023	0.02072	0.01266	PASS
Extreme (10°C)		4.77	7.74	12.86	0.00570	0.00925	0.01538	PASS
Extreme (0°C)		15.46	1.18	1.89	0.01848	0.00141	0.00226	PASS
Extreme (-10°C)		17.13	13.22	4.29	0.02048	0.01580	0.00512	PASS
Extreme (-20°C)		13.67	4.06	10.08	0.01634	0.00485	0.01205	PASS
Extreme (-30°C)		5.90	2.70	16.24	0.00705	0.00322	0.01942	PASS
25°C	LV	7.66	4.93	13.80	0.00915	0.00589	0.01650	PASS
	HV	3.74	8.24	1.99	0.00447	0.00985	0.00237	PASS

NR n5												
Condition		Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	5MHz											
Temperature	Voltage	256QAM	BPSK	64QAM	16QAM	QPSK	256QAM	BPSK	64QAM	16QAM	QPSK	
Normal (25°C)	Normal	10.12	15.02	16.06	11.12	16.02	0.00539	0.00799	0.00854	0.00592	0.00852	PASS
Extreme (50°C)		13.50	7.98	10.57	6.50	10.98	0.00718	0.00424	0.00562	0.00346	0.00584	PASS
Extreme (40°C)		4.38	15.94	5.64	1.38	2.94	0.00233	0.00848	0.00300	0.00074	0.00156	PASS
Extreme (30°C)		11.17	6.89	14.17	9.17	1.89	0.00594	0.00366	0.00754	0.00488	0.00100	PASS
Extreme (20°C)		6.44	1.96	10.95	11.44	16.96	0.00343	0.00104	0.00582	0.00609	0.00902	PASS
Extreme (10°C)		7.05	5.66	3.94	16.05	12.66	0.00375	0.00301	0.00210	0.00854	0.00673	PASS
Extreme (0°C)		7.33	9.41	9.20	11.33	12.41	0.00390	0.00501	0.00489	0.00602	0.00660	PASS
Extreme (-10°C)		9.29	14.87	10.88	7.29	3.87	0.00494	0.00791	0.00579	0.00388	0.00206	PASS
Extreme (-20°C)		11.85	13.64	2.65	3.85	4.64	0.00630	0.00725	0.00141	0.00205	0.00247	PASS
Extreme (-30°C)		2.56	7.36	8.63	12.56	10.36	0.00136	0.00391	0.00459	0.00668	0.00551	PASS



25°C		LV	6.55	9.67	5.81	10.55	2.67	0.00348	0.00514	0.00309	0.00561	0.00142	PASS
		HV	6.19	3.44	12.99	13.19	4.44	0.00329	0.00183	0.00691	0.00701	0.00236	PASS
Condition			Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	10MHz												
Temperature	Voltage		256QAM	BPSK	64QAM	16QAM	QPSK	256QAM	BPSK	64QAM	16QAM	QPSK	
Normal (25°C)	Normal		9.73	2.82	11.97	8.73	11.82	0.00518	0.00150	0.00637	0.00464	0.00629	PASS
Extreme (50°C)			11.96	8.33	15.86	10.96	15.33	0.00636	0.00443	0.00843	0.00583	0.00815	PASS
Extreme (40°C)			11.92	13.99	17.65	11.92	7.99	0.00634	0.00744	0.00939	0.00634	0.00425	PASS
Extreme (30°C)			16.82	12.23	12.04	15.82	8.23	0.00895	0.00651	0.00640	0.00842	0.00438	PASS
Extreme (20°C)			12.91	17.57	8.09	8.91	6.57	0.00686	0.00935	0.00430	0.00474	0.00349	PASS
Extreme (10°C)			15.61	3.82	4.70	11.61	7.82	0.00831	0.00203	0.00250	0.00618	0.00416	PASS
Extreme (0°C)			3.27	10.29	3.45	5.27	4.29	0.00174	0.00547	0.00184	0.00280	0.00228	PASS
Extreme (-10°C)			2.65	8.95	14.55	9.65	17.95	0.00141	0.00476	0.00774	0.00513	0.00955	PASS
Extreme (-20°C)			2.22	9.86	2.77	4.22	1.86	0.00118	0.00524	0.00147	0.00225	0.00099	PASS
Extreme (-30°C)			10.57	7.25	11.04	13.57	5.25	0.00562	0.00385	0.00587	0.00722	0.00279	PASS
25°C		LV	12.23	4.20	8.08	11.23	8.20	0.00650	0.00223	0.00430	0.00597	0.00436	PASS
		HV	16.98	17.63	5.35	12.98	2.63	0.00903	0.00938	0.00285	0.00690	0.00140	PASS
Condition			Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	15MHz												
Temperature	Voltage		256QAM	BPSK	64QAM	16QAM	QPSK	256QAM	BPSK	64QAM	16QAM	QPSK	
Normal (25°C)	Normal		7.90	15.27	2.21	4.90	11.27	0.00420	0.00812	0.00117	0.00260	0.00599	PASS
Extreme (50°C)			14.39	6.85	11.63	13.39	1.85	0.00766	0.00364	0.00619	0.00712	0.00098	PASS
Extreme (40°C)			11.36	14.16	9.56	3.36	13.16	0.00604	0.00753	0.00509	0.00179	0.00700	PASS
Extreme (30°C)			16.80	6.75	16.83	12.80	12.75	0.00894	0.00359	0.00895	0.00681	0.00678	PASS
Extreme (20°C)			4.11	13.34	7.54	16.11	7.34	0.00219	0.00710	0.00401	0.00857	0.00390	PASS
Extreme (10°C)			12.67	11.58	14.72	13.67	2.58	0.00674	0.00616	0.00783	0.00727	0.00137	PASS
Extreme (0°C)			17.47	17.62	9.69	14.47	11.62	0.00929	0.00937	0.00515	0.00770	0.00618	PASS
Extreme (-10°C)			5.99	12.82	16.95	3.99	3.82	0.00318	0.00682	0.00902	0.00212	0.00203	PASS
Extreme (-20°C)			10.90	3.61	6.11	11.90	17.61	0.00580	0.00192	0.00325	0.00633	0.00937	PASS
Extreme (-30°C)			17.37	7.40	16.39	11.37	2.40	0.00924	0.00393	0.00872	0.00605	0.00127	PASS
25°C		LV	13.15	6.83	3.52	11.15	15.83	0.00699	0.00363	0.00187	0.00593	0.00842	PASS
		HV	13.41	10.64	14.47	9.41	4.64	0.00713	0.00566	0.00770	0.00500	0.00247	PASS
Condition			Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Freq.Error (Hz)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Frequency Stability (ppm)	Verdict
BANDWIDTH	20MHz												
Temperature	Voltage		256QAM	BPSK	64QAM	16QAM	QPSK	256QAM	BPSK	64QAM	16QAM	QPSK	
Normal (25°C)	Normal		15.71	2.53	4.18	2.71	13.53	0.00836	0.00135	0.00223	0.00144	0.00720	PASS
Extreme (50°C)			12.62	5.41	3.46	2.62	10.41	0.00671	0.00288	0.00184	0.00139	0.00554	PASS
Extreme (40°C)			4.68	11.19	4.20	11.68	5.19	0.00249	0.00595	0.00223	0.00621	0.00276	PASS
Extreme (30°C)			6.51	3.88	16.78	12.51	14.88	0.00346	0.00206	0.00892	0.00666	0.00791	PASS
Extreme (20°C)			9.26	11.94	1.56	7.26	14.94	0.00493	0.00635	0.00083	0.00386	0.00795	PASS



Extreme (10°C)		7.30	8.16	14.12	12.30	2.16	0.00388	0.00434	0.00751	0.00654	0.00115	PASS
Extreme (0°C)		4.31	17.51	7.16	14.31	7.51	0.00229	0.00931	0.00381	0.00761	0.00399	PASS
Extreme (-10°C)		11.70	5.59	3.59	14.70	11.59	0.00622	0.00297	0.00191	0.00782	0.00617	PASS
Extreme (-20°C)		11.15	5.49	1.20	7.15	6.49	0.00593	0.00292	0.00064	0.00380	0.00345	PASS
Extreme (-30°C)		7.49	1.95	5.22	7.49	12.95	0.00398	0.00104	0.00278	0.00398	0.00689	PASS
25°C	LV	14.92	5.49	10.80	10.92	5.49	0.00794	0.00292	0.00575	0.00581	0.00292	PASS
	HV	6.99	12.90	14.85	5.99	6.90	0.00372	0.00686	0.00790	0.00319	0.00367	PASS

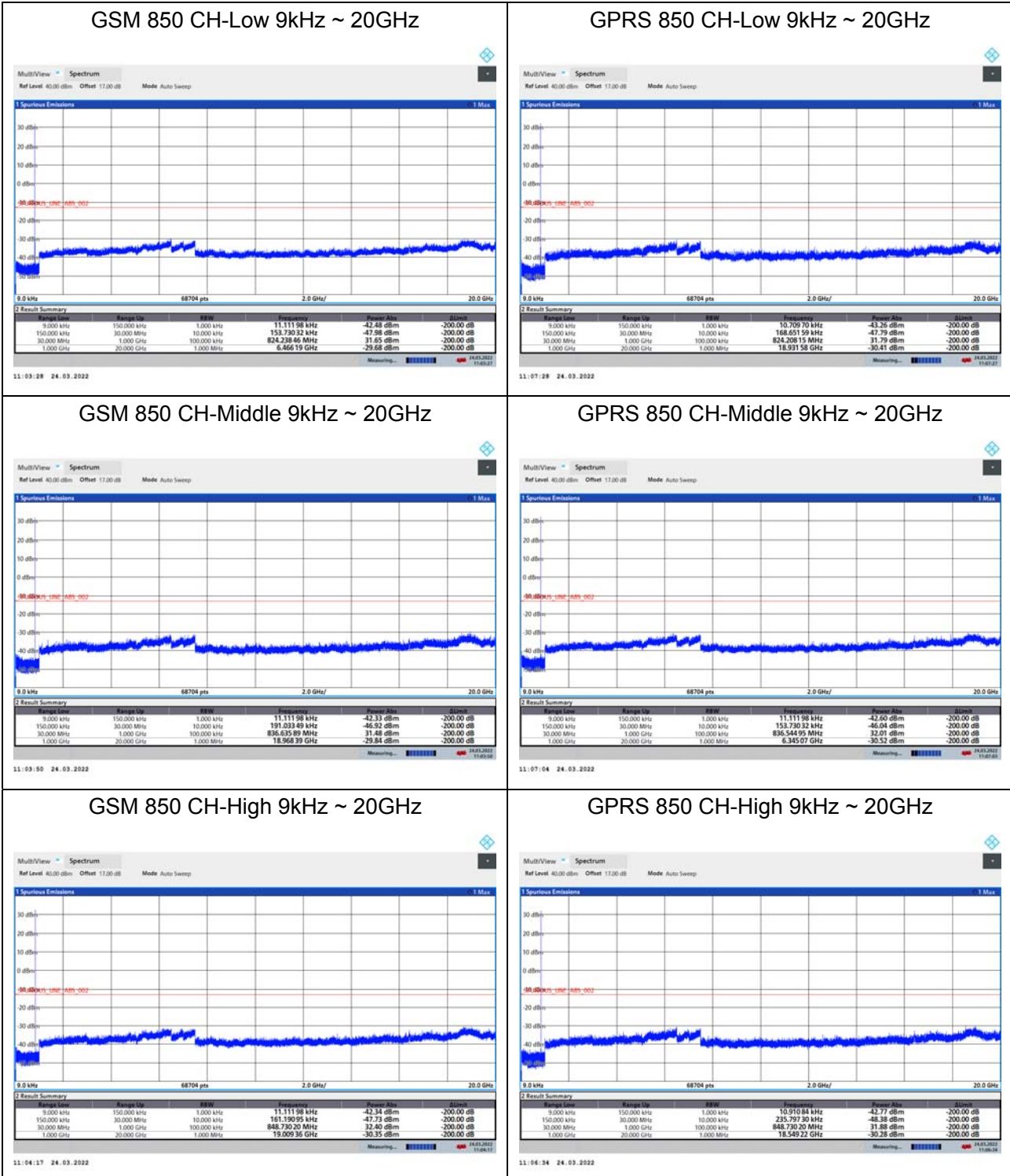
DC_66A-n5A												
Condition		Freq.Error	Freq.Error	Freq.Error	Freq.Error	Freq.Error	Frequency	Frequency	Frequency	Frequency	Frequency	Verdict
BANDWIDTH	5MHz	(Hz)	(Hz)	(Hz)	(Hz)	(Hz)	Stability (ppm)	Stability (ppm)	Stability (ppm)	Stability (ppm)	Stability (ppm)	
Temperature	Voltage	256QAM	BPSK	64QAM	16QAM	QPSK	256QAM	BPSK	64QAM	16QAM	QPSK	
Normal (25°C)	Normal	4.07	2.37	10.14	3.07	2.37	0.00217	0.00126	0.00539	0.00163	0.00126	PASS
Extreme (50°C)		11.08	12.41	5.39	8.08	9.41	0.00589	0.00660	0.00286	0.00430	0.00501	PASS
Extreme (40°C)		7.17	13.49	9.29	10.17	9.49	0.00382	0.00718	0.00494	0.00541	0.00505	PASS
Extreme (30°C)		8.11	17.58	9.61	7.11	6.58	0.00431	0.00935	0.00511	0.00378	0.00350	PASS
Extreme (20°C)		12.87	15.51	9.10	1.87	10.51	0.00684	0.00825	0.00484	0.00099	0.00559	PASS
Extreme (10°C)		12.84	13.03	4.35	2.84	11.03	0.00683	0.00693	0.00231	0.00151	0.00587	PASS
Extreme (0°C)		16.23	7.17	13.54	5.23	4.17	0.00863	0.00381	0.00720	0.00278	0.00222	PASS
Extreme (-10°C)		2.23	14.01	8.92	10.23	10.01	0.00119	0.00745	0.00474	0.00544	0.00533	PASS
Extreme (-20°C)		5.03	4.13	2.21	1.03	9.13	0.00268	0.00220	0.00118	0.00055	0.00485	PASS
Extreme (-30°C)		17.69	17.30	11.96	17.69	6.30	0.00941	0.00920	0.00636	0.00941	0.00335	PASS
25°C	LV	16.48	17.40	15.93	14.48	10.40	0.00877	0.00926	0.00847	0.00770	0.00553	PASS
	HV	10.01	2.77	4.08	2.01	2.77	0.00532	0.00148	0.00217	0.00107	0.00148	PASS
Condition		Freq.Error	Freq.Error	Freq.Error	Freq.Error	Freq.Error	Frequency	Frequency	Frequency	Frequency	Frequency	Verdict
BANDWIDTH	10MHz	(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°C)	Normal	10.30	11.55	2.26	14.30	12.55	0.00548	0.00614	0.00120	0.00760	0.00667	PASS
Extreme (50°C)		15.34	10.57	3.63	10.34	7.57	0.00816	0.00562	0.00193	0.00550	0.00403	PASS
Extreme (40°C)		6.49	12.21	7.34	6.49	9.21	0.00345	0.00649	0.00391	0.00345	0.00490	PASS
Extreme (30°C)		7.03	9.20	4.10	14.03	13.20	0.00374	0.00489	0.00218	0.00746	0.00702	PASS
Extreme (20°C)		16.78	6.92	6.15	8.78	4.92	0.00893	0.00368	0.00327	0.00467	0.00262	PASS
Extreme (10°C)		14.53	17.95	6.02	17.53	3.95	0.00773	0.00955	0.00320	0.00932	0.00210	PASS
Extreme (0°C)		9.57	2.56	15.30	12.57	16.56	0.00509	0.00136	0.00814	0.00669	0.00881	PASS
Extreme (-10°C)		6.05	3.84	7.77	1.05	6.84	0.00322	0.00204	0.00414	0.00056	0.00364	PASS
Extreme (-20°C)		5.07	17.95	16.08	9.07	4.95	0.00269	0.00955	0.00856	0.00482	0.00263	PASS



Extreme (-30°C)		15.70	11.88	2.42	2.70	1.88	0.00835	0.00632	0.00129	0.00144	0.00100	PASS
25°C	LV	5.73	3.86	8.92	5.73	12.86	0.00305	0.00205	0.00475	0.00305	0.00684	PASS
	HV	9.41	17.23	9.89	9.41	9.23	0.00500	0.00917	0.00526	0.00500	0.00491	PASS
Condition		Freq.Error	Freq.Error	Freq.Error	Freq.Error	Freq.Error	Frequency	Frequency	Frequency	Frequency	Frequency	Verdict
BANDWIDTH	15MHz	(Hz)	(Hz)	(Hz)	(Hz)	(Hz)	Stability	Stability	Stability	Stability	Stability	
Temperature	Voltage	256QAM	BPSK	64QAM	16QAM	QPSK	256QAM	BPSK	64QAM	16QAM	QPSK	
Normal (25°C)		5.55	12.37	4.63	1.55	2.37	0.00295	0.00658	0.00246	0.00083	0.00126	PASS
Extreme (50°C)		1.22	7.20	11.73	14.22	12.20	0.00065	0.00383	0.00624	0.00757	0.00649	PASS
Extreme (40°C)		13.80	17.97	8.96	9.80	15.97	0.00734	0.00956	0.00477	0.00521	0.00849	PASS
Extreme (30°C)		1.60	6.52	4.49	12.60	5.52	0.00085	0.00347	0.00239	0.00670	0.00294	PASS
Extreme (20°C)		5.36	5.23	17.32	10.36	2.23	0.00285	0.00278	0.00921	0.00551	0.00119	PASS
Extreme (10°C)		8.48	11.28	10.40	8.48	2.28	0.00451	0.00600	0.00553	0.00451	0.00121	PASS
Extreme (0°C)		3.68	10.60	13.97	2.68	7.60	0.00196	0.00564	0.00743	0.00143	0.00404	PASS
Extreme (-10°C)		6.86	2.72	10.90	6.86	1.72	0.00365	0.00145	0.00580	0.00365	0.00091	PASS
Extreme (-20°C)		16.05	12.31	8.86	7.05	12.31	0.00854	0.00655	0.00471	0.00375	0.00655	PASS
Extreme (-30°C)		17.28	9.63	5.41	1.28	2.63	0.00919	0.00512	0.00288	0.00068	0.00140	PASS
25°C	LV	14.98	4.60	9.00	14.98	10.60	0.00797	0.00245	0.00479	0.00797	0.00564	PASS
	HV	4.79	13.69	7.28	14.79	12.69	0.00255	0.00728	0.00387	0.00787	0.00675	PASS
Condition		Freq.Error	Freq.Error	Freq.Error	Freq.Error	Freq.Error	Frequency	Frequency	Frequency	Frequency	Frequency	Verdict
BANDWIDTH	20MHz	(Hz)	(Hz)	(Hz)	(Hz)	(Hz)	Stability	Stability	Stability	Stability	Stability	
Temperature	Voltage	256QAM	BPSK	64QAM	16QAM	QPSK	256QAM	BPSK	64QAM	16QAM	QPSK	
Normal (25°C)		2.89	15.05	17.51	2.89	1.05	0.00154	0.00800	0.00931	0.00154	0.00056	PASS
Extreme (50°C)		16.71	11.20	2.96	6.71	10.20	0.00889	0.00596	0.00158	0.00357	0.00542	PASS
Extreme (40°C)		11.06	2.31	8.57	3.06	5.31	0.00588	0.00123	0.00456	0.00163	0.00282	PASS
Extreme (30°C)		2.41	10.72	13.29	13.41	4.72	0.00128	0.00570	0.00707	0.00713	0.00251	PASS
Extreme (20°C)		16.85	16.56	3.70	2.85	12.56	0.00896	0.00881	0.00197	0.00152	0.00668	PASS
Extreme (10°C)		3.97	14.25	17.54	4.97	2.25	0.00211	0.00758	0.00933	0.00265	0.00119	PASS
Extreme (0°C)		2.09	7.09	17.27	2.09	8.09	0.00111	0.00377	0.00919	0.00111	0.00430	PASS
Extreme (-10°C)		1.97	15.44	2.92	11.97	13.44	0.00105	0.00821	0.00155	0.00637	0.00715	PASS
Extreme (-20°C)		16.54	7.80	8.27	6.54	10.80	0.00880	0.00415	0.00440	0.00348	0.00574	PASS
Extreme (-30°C)		12.37	8.53	3.89	15.37	4.53	0.00658	0.00454	0.00207	0.00818	0.00241	PASS
25°C	LV	8.51	13.61	5.78	1.51	1.61	0.00452	0.00724	0.00307	0.00080	0.00085	PASS
	HV	3.25	2.20	3.66	10.25	6.20	0.00173	0.00117	0.00194	0.00545	0.00330	PASS

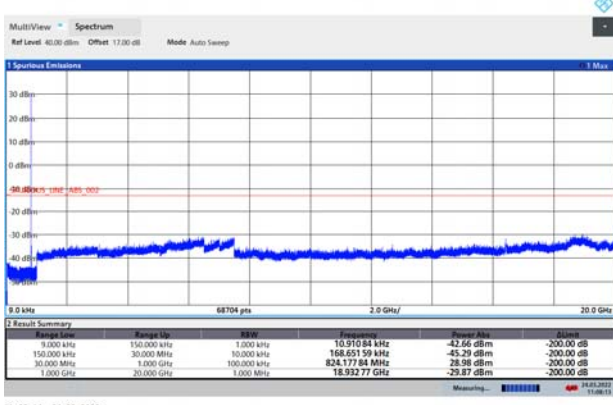
6.6. Spurious Emissions at Antenna Terminals

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.



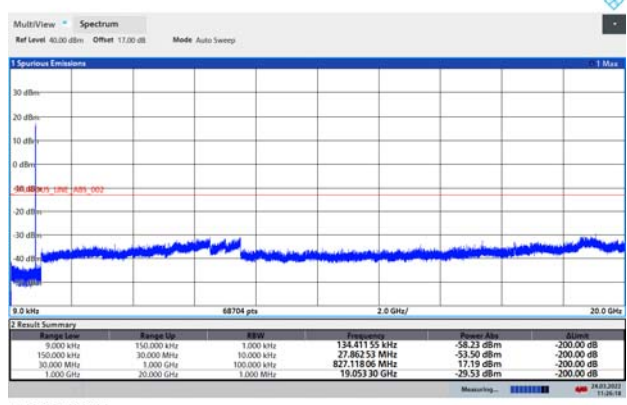


EGPRS 850 CH-Low 9kHz ~ 20GHz



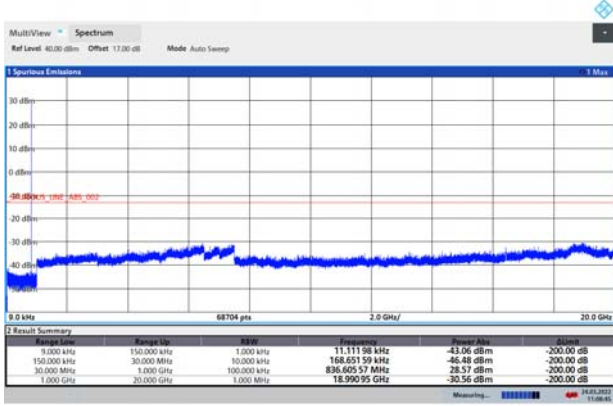
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WCDMA BAND V CH-Low 9kHz ~ 20GHz



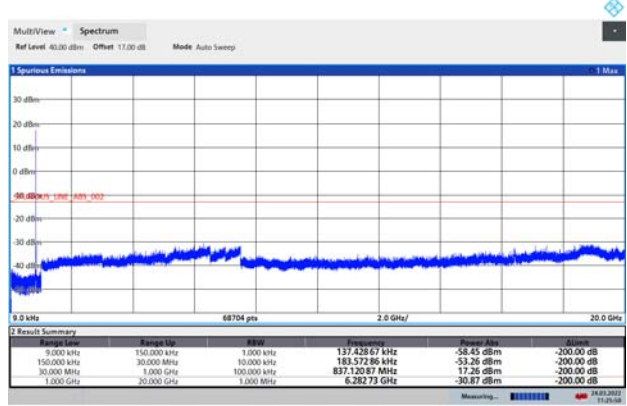
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EGPRS 850 CH-Middle 9kHz ~ 20GHz



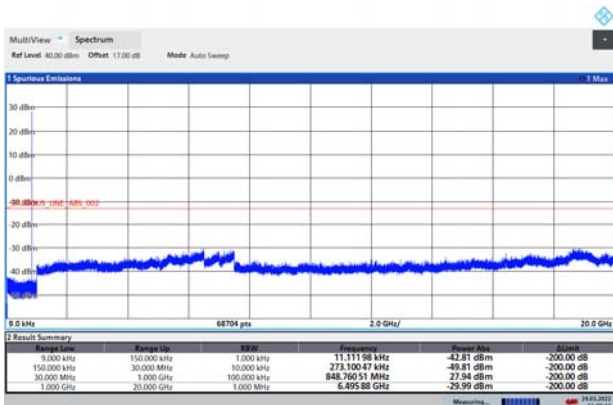
11:08:45 24.03.2022

WCDMA BAND V CH-Middle 9kHz ~ 20GHz



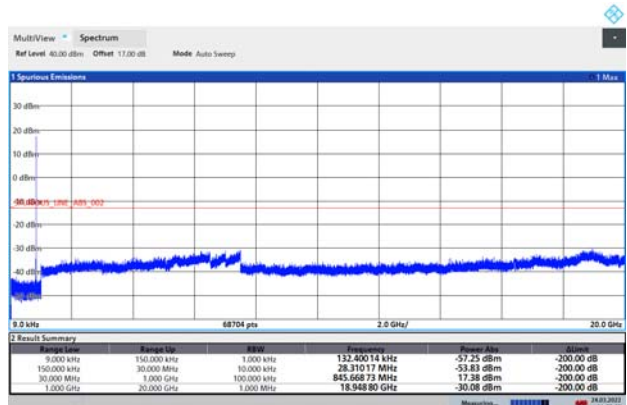
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EGPRS 850 CH-High 9kHz ~ 20GHz



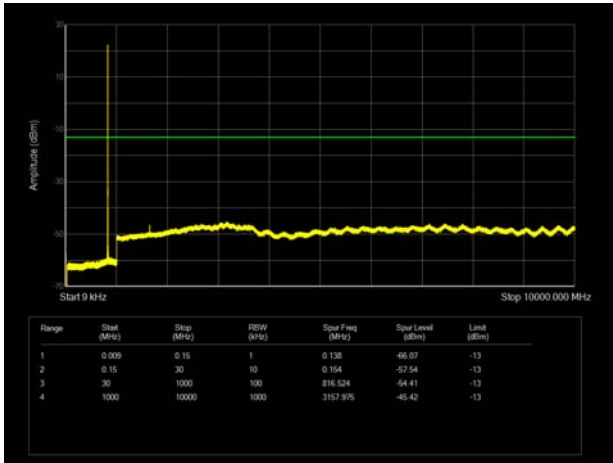
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WCDMA BAND V CH-High 9kHz ~ 20GHz

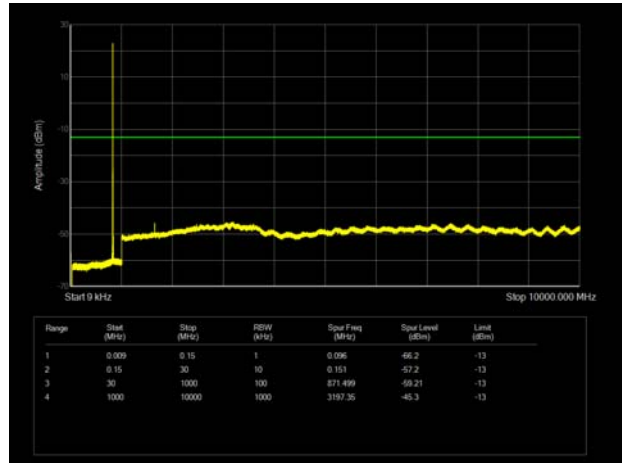


11:27:04 24.03.2022

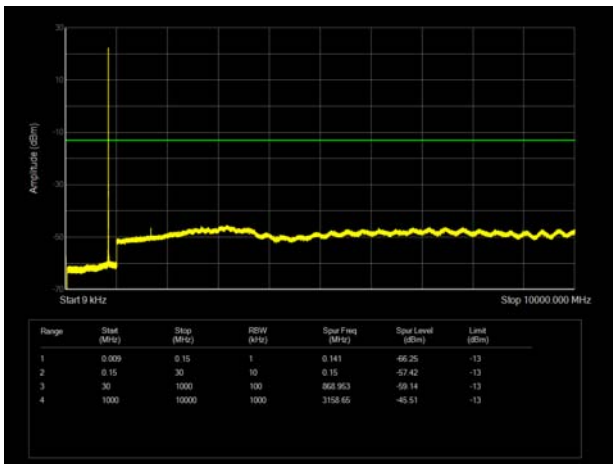
LTE Band 5 1.4MHz CH-Low 9kHz~10GHz



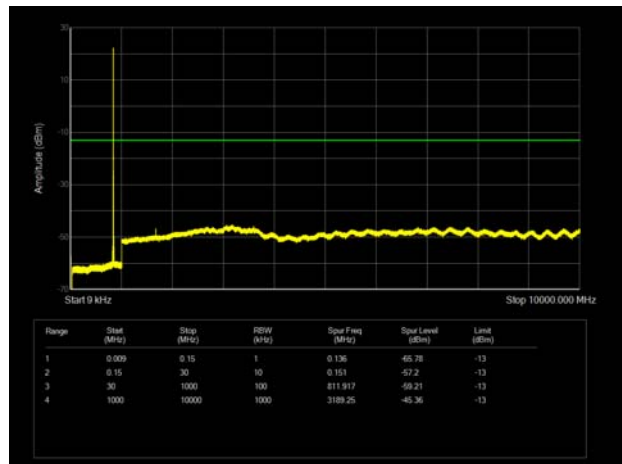
LTE Band 5 3MHz CH-Low 9kHz~10GHz



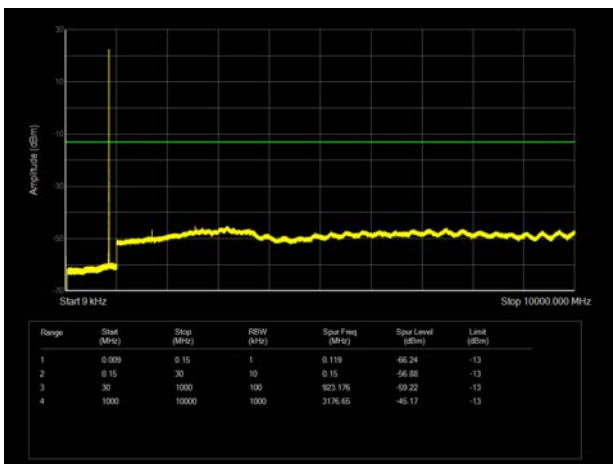
LTE Band 5 1.4MHz CH-Middle 9kHz~10GHz



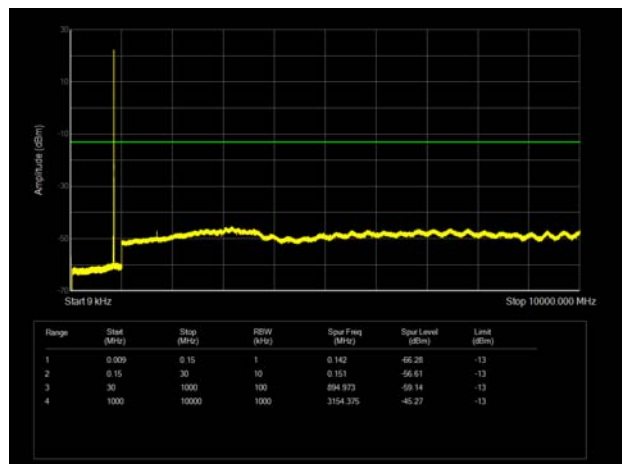
LTE Band 5 3MHz CH-Middle 9kHz~10GHz



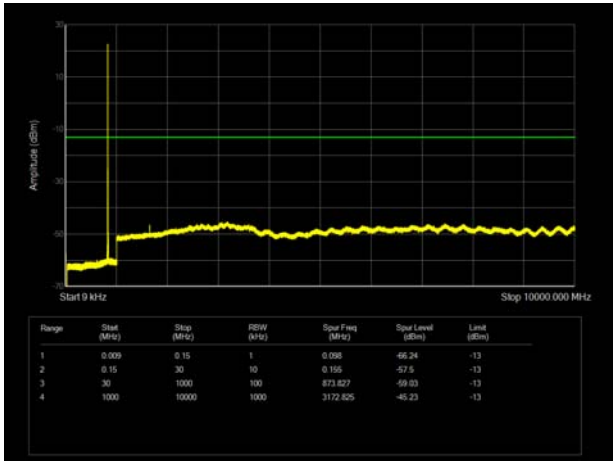
LTE Band 5 1.4MHz CH-High 9kHz~10GHz



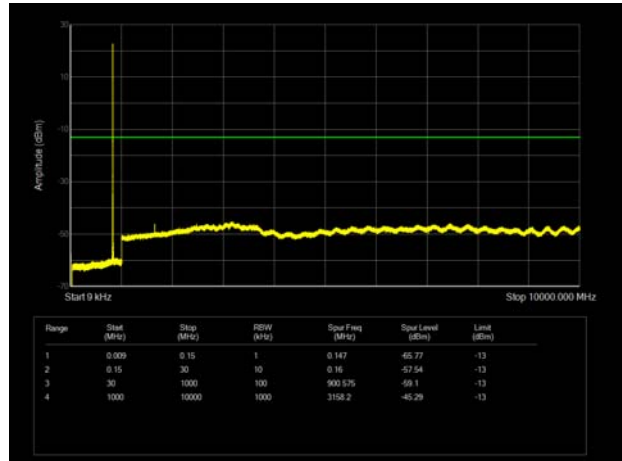
LTE Band 5 3MHz CH-High 9kHz~10GHz



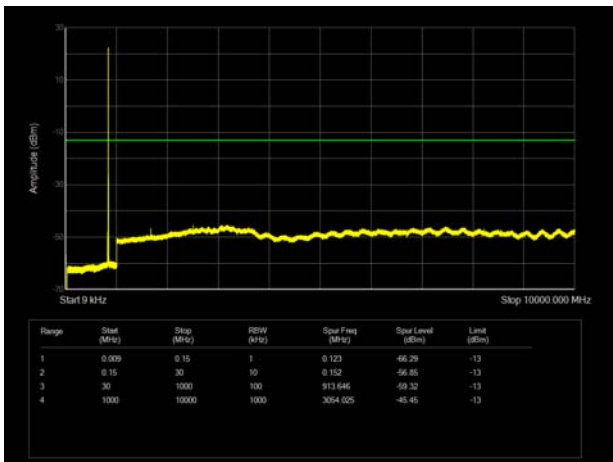
LTE Band 5 5MHz CH-Low 9kHz~10GHz



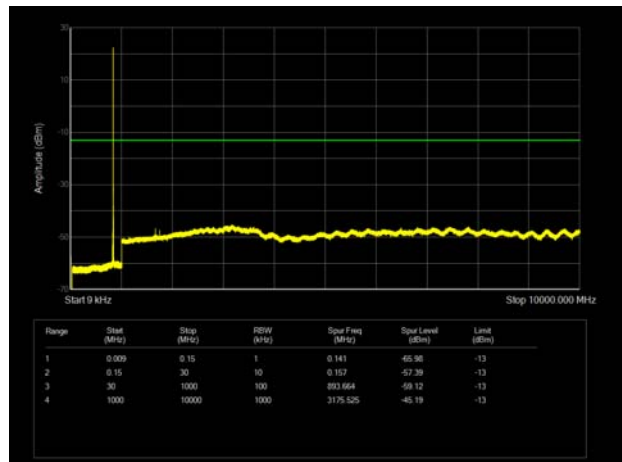
LTE Band 5 10MHz CH-Low 9kHz~10GHz



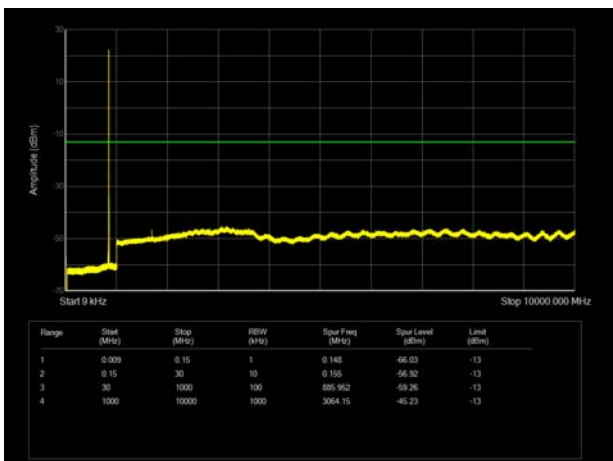
LTE Band 5 5MHz CH-Middle 9kHz~10GHz



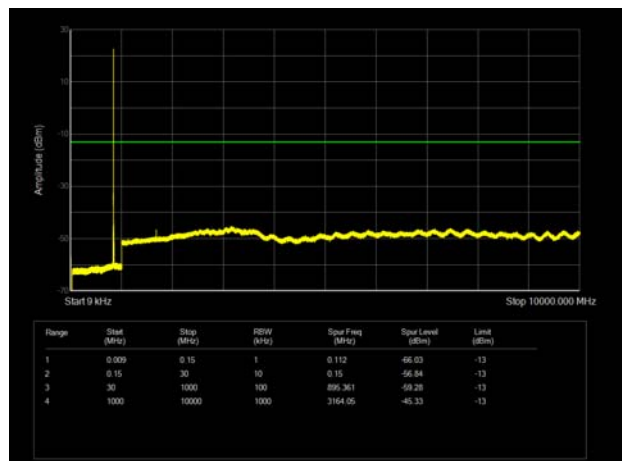
LTE Band 5 10MHz CH-Middle 9kHz~10GHz



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

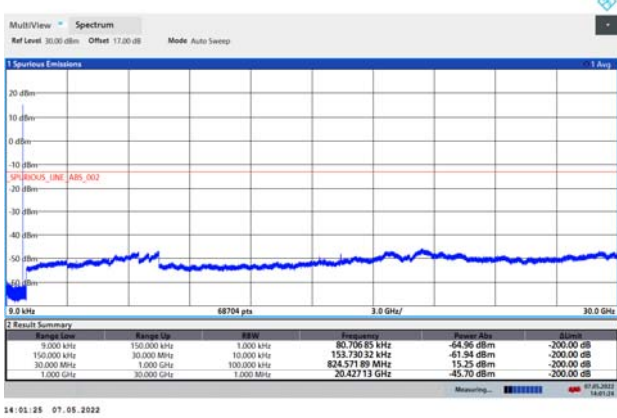


LTE Band 5 10MHz CH-High 9kHz~10GHz

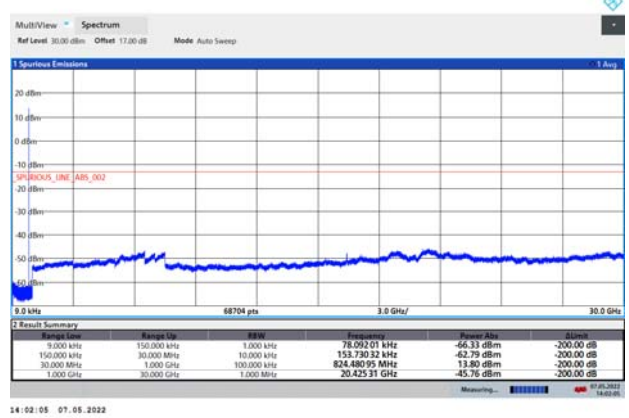




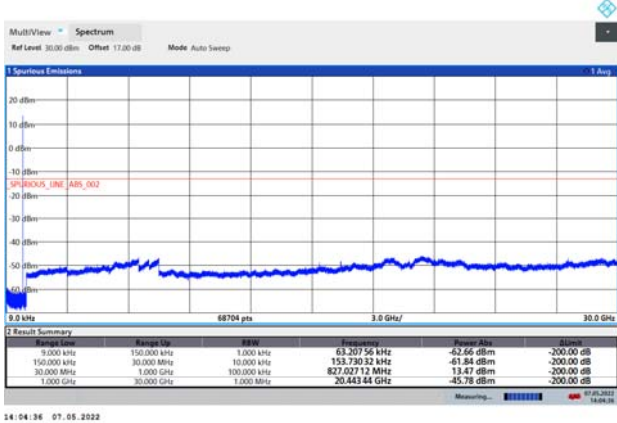
NR n5 P1/2 BPSK 20MHz CH-Low 9kHz~30GHz



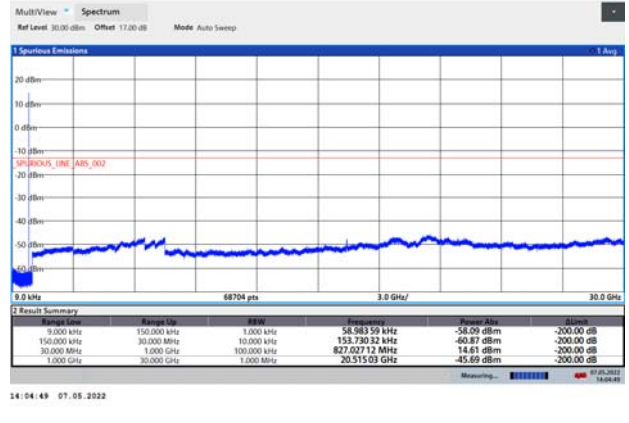
NR n5 QPSK 20MHz CH-Low 9kHz~30GHz



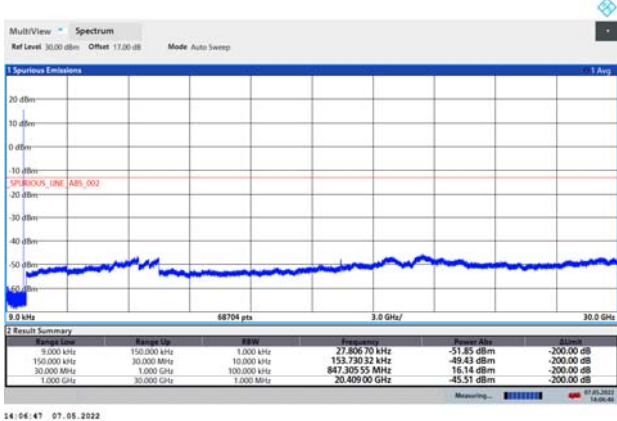
NR n5 P1/2 BPSK 20MHz CH-Middle 9kHz~30GHz



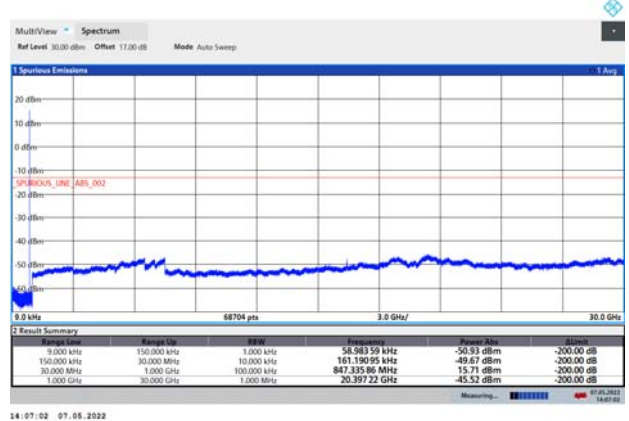
NR n5 QPSK 20MHz CH-Middle 9kHz~30GHz



NR n5 P1/2 BPSK 20MHz CH-High 9kHz~30GHz

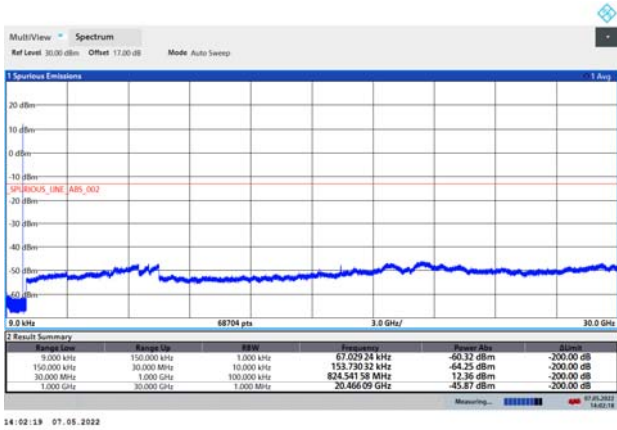


NR n5 QPSK 20MHz CH-High 9kHz~30GHz

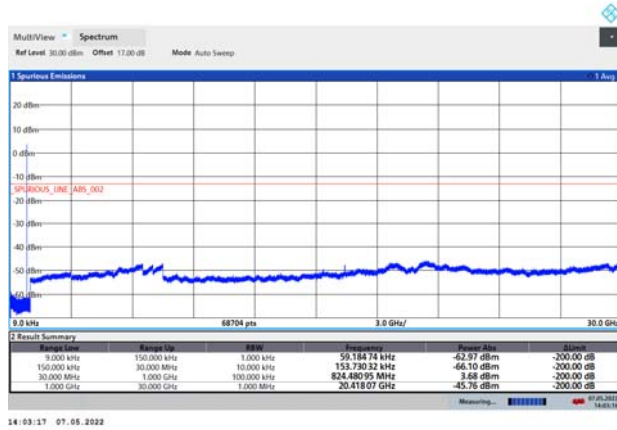




NR n5 16QAM 20MHz CH-Low 9kHz~30GHz



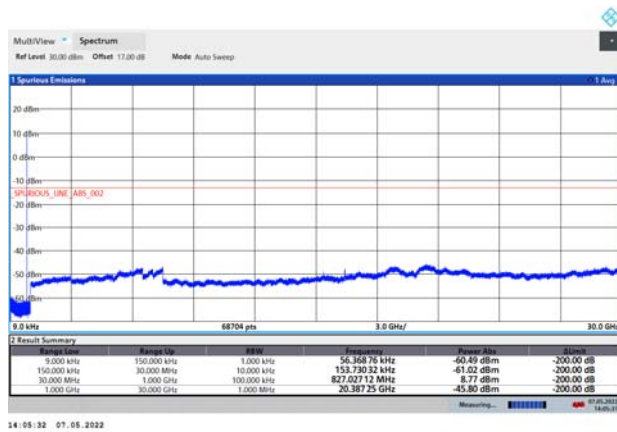
NR n5 64QAM 20MHz CH-Low 9kHz~30GHz



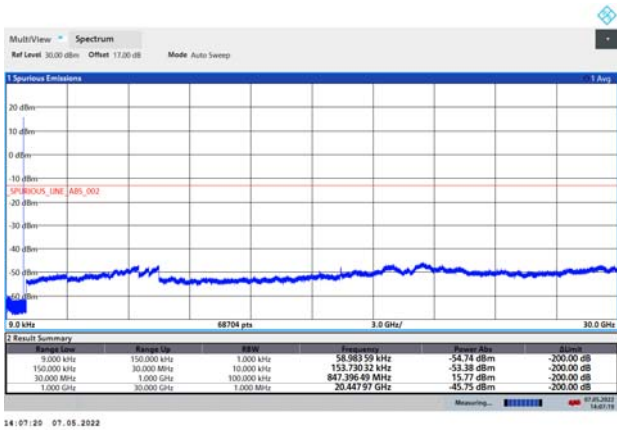
NR n5 16QAM 20MHz CH-Middle 9kHz~30GHz



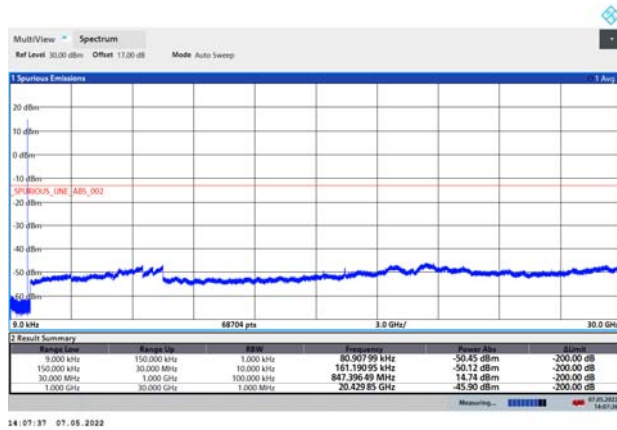
NR n5 64QAM 20MHz CH-Middle 9kHz~30GHz



NR n5 16QAM 20MHz CH-High 9kHz~30GHz

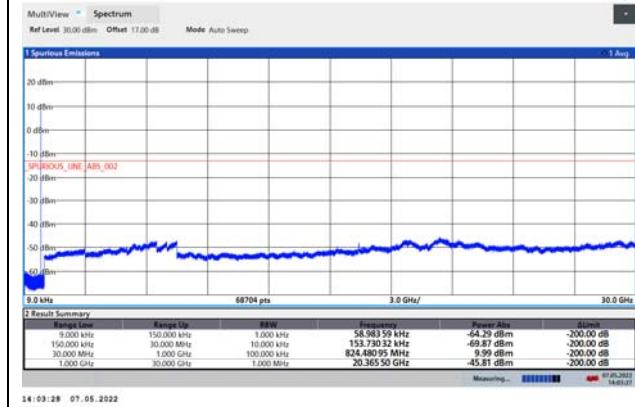


NR n5 64QAM 20MHz CH-High 9kHz~30GHz

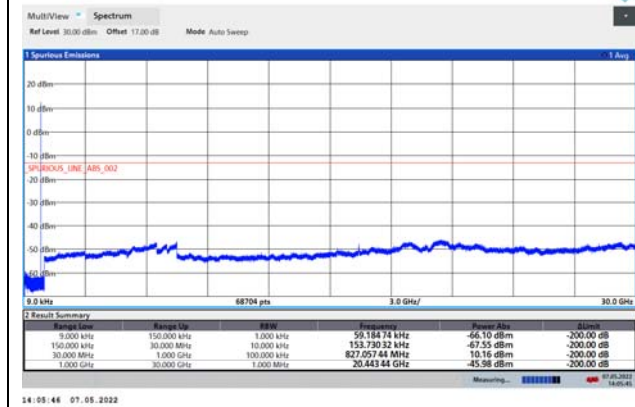




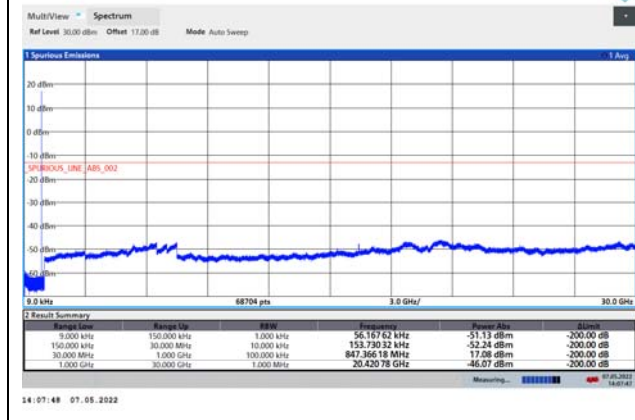
NR n5 256QAM 20MHz CH-Low 9kHz~30GHz



NR n5 256QAM 20MHz CH-Middle 9kHz~30GHz

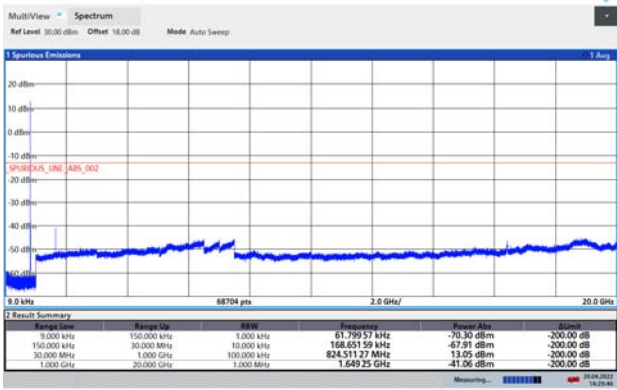


NR n5 256QAM 20MHz CH-High 9kHz~30GHz



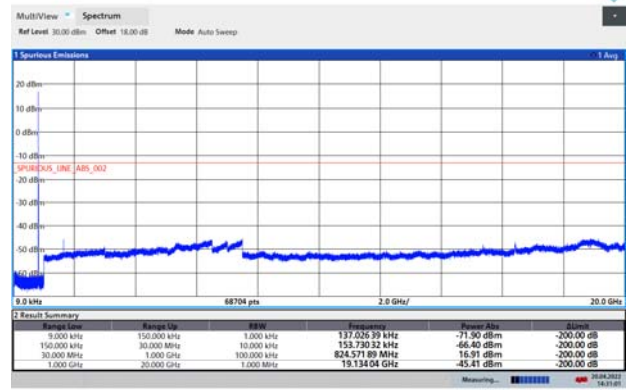


DC_66A-n5A P1/2 BPSK 20MHz CH-Low 9kHz~20GHz



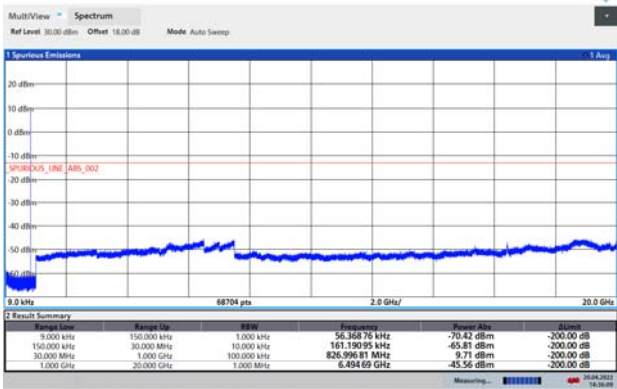
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DC_66A-n5A QPSK 20MHz CH-Low 9kHz~20GHz



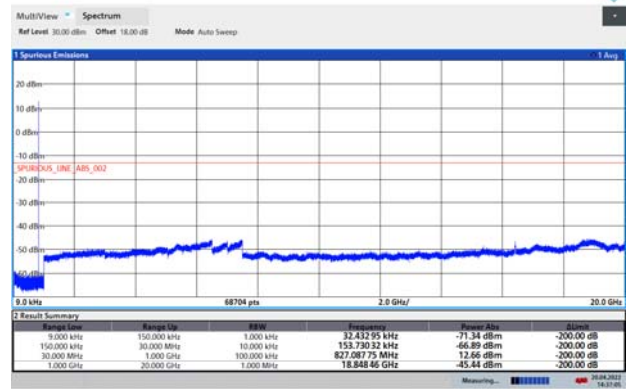
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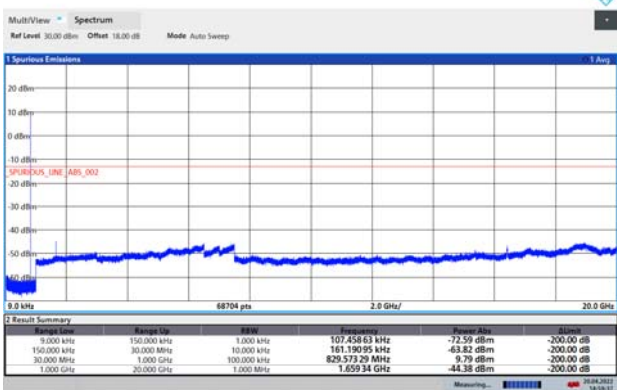
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DC_66A-n5A QPSK 20MHz CH-Middle 9kHz~20GHz



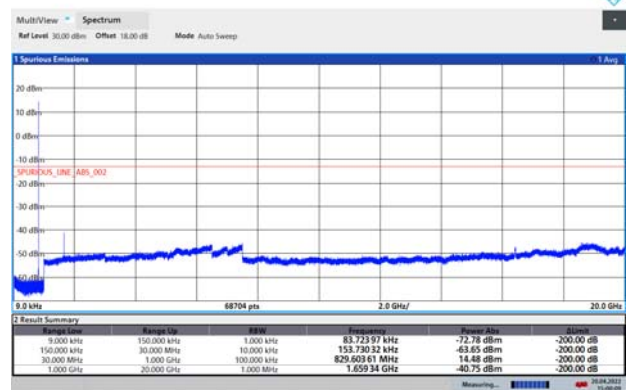
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DC_66A-n5A P1/2 BPSK 20MHz CH-High 9kHz~20GHz



14:59:37 20.04.2022

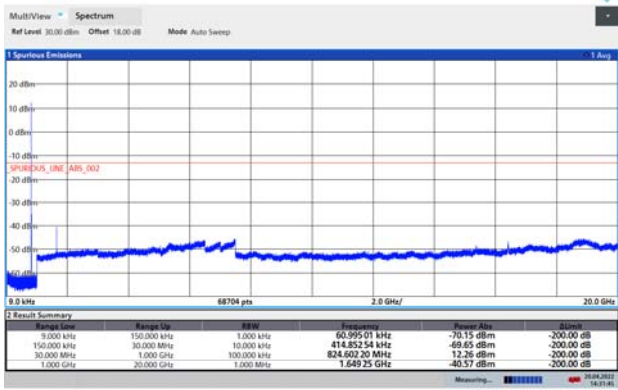
DC_66A-n5A QPSK 20MHz CH-High 9kHz~20GHz



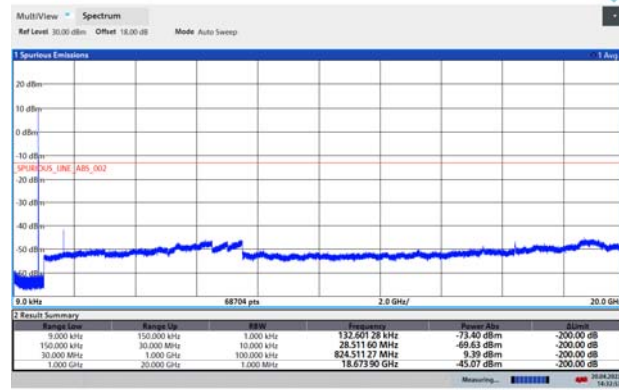
15:00:10 20.04.2022



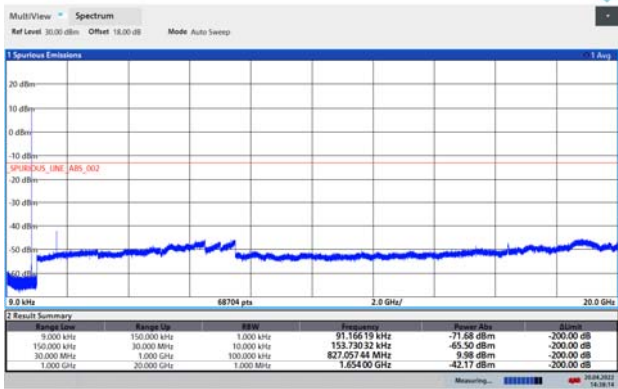
DC_66A-n5A 16QAM 20MHz CH-Low 9kHz~20GHz



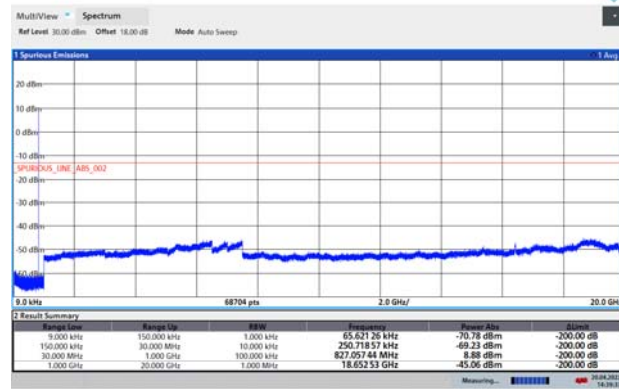
DC_66A-n5A 64QAM 20MHz CH-Low 9kHz~20GHz



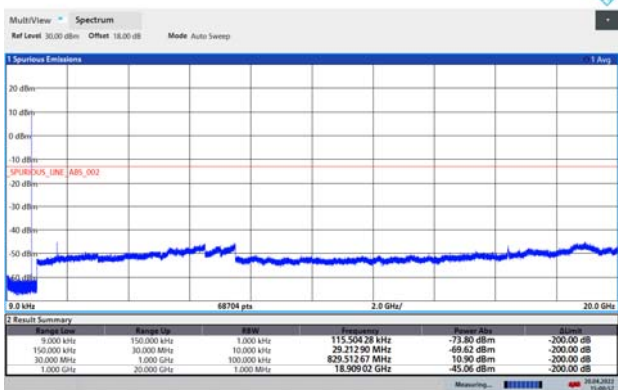
DC_66A-n5A 16QAM 20MHz CH-Middle 9kHz~20GHz



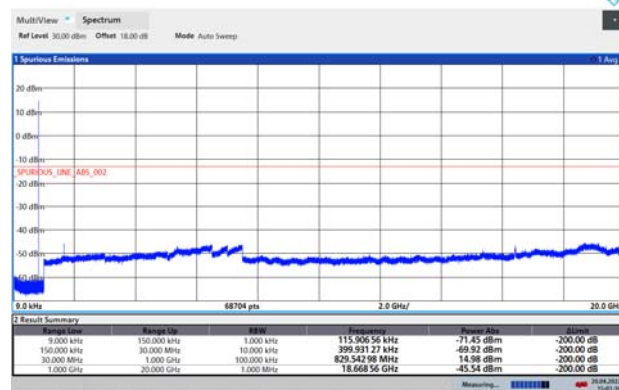
DC_66A-n5A 64QAM 20MHz CH-Middle 9kHz~20GHz

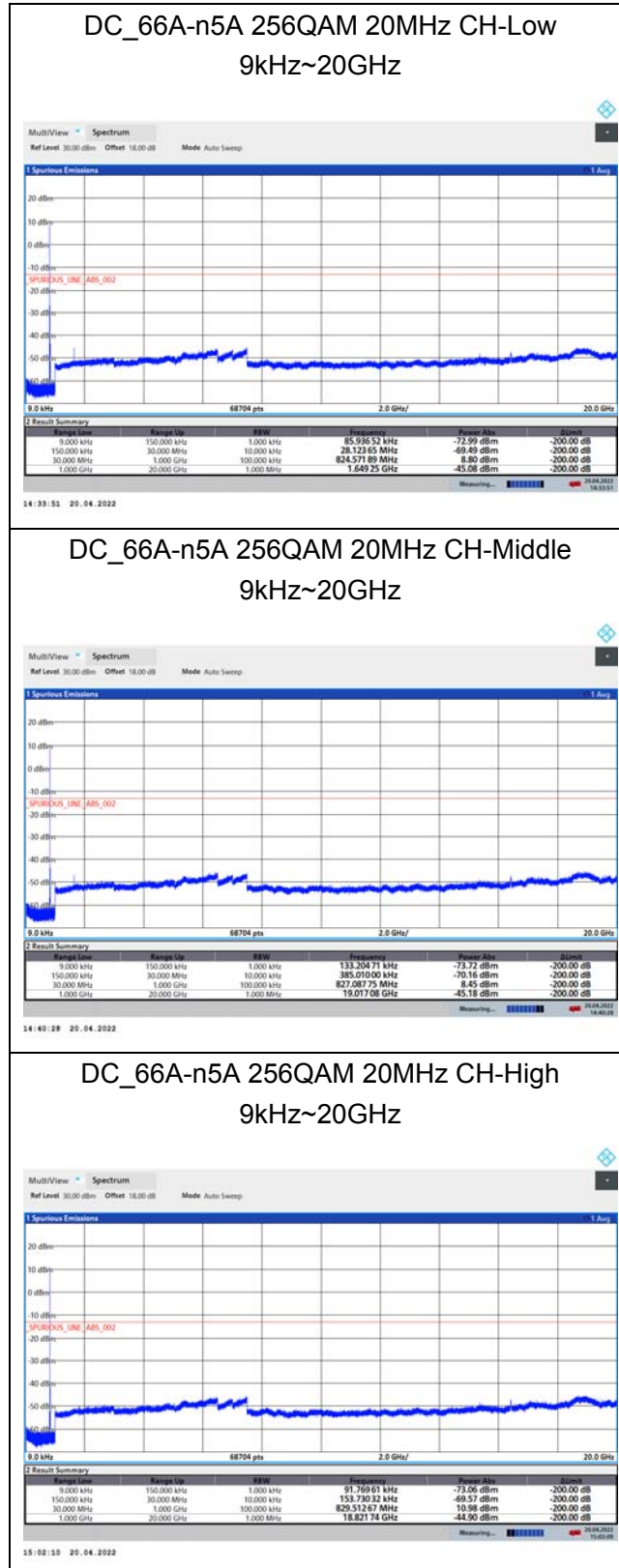


DC_66A-n5A 16QAM 20MHz CH-High 9kHz~20GHz



DC_66A-n5A 64QAM 20MHz CH-High 9kHz~20GHz







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.

During the test, preliminary tests were performed all Antenna, and the Main Antenna was selected as the worst case. Worst-case test data is documented in this report.

GSM 850 CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1673.00	-66.45	1.70	8.70	Horizontal	-61.60	-13.00	48.60	270
3	2510.25	-55.77	2.30	12.00	Horizontal	-48.22	-13.00	35.22	45
4	3346.40	-65.41	2.70	12.70	Horizontal	-57.56	-13.00	44.56	0
5	4183.00	-62.99	3.00	12.50	Horizontal	-55.64	-13.00	42.64	135
6	5019.60	-58.83	3.40	12.50	Horizontal	-51.88	-13.00	38.88	180
7	5856.20	-59.68	3.40	12.80	Horizontal	-52.43	-13.00	39.43	45
8	6692.80	-59.59	4.10	11.50	Horizontal	-54.34	-13.00	41.34	225
9	7529.40	-55.46	4.20	12.20	Horizontal	-49.61	-13.00	36.61	45
10	8366.00	-56.83	4.30	12.50	Horizontal	-50.78	-13.00	37.78	0

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

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

WCDMA Band V CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1673.20	-68.01	1.70	8.70	Horizontal	-63.16	-13.00	50.16	45
3	2509.80	-66.19	2.30	12.00	Horizontal	-58.64	-13.00	45.64	0
4	3346.40	-65.66	2.70	12.70	Horizontal	-57.81	-13.00	44.81	315
5	4183.00	-63.58	3.00	12.50	Horizontal	-56.23	-13.00	43.23	0
6	5019.60	-58.77	3.40	12.50	Horizontal	-51.82	-13.00	38.82	270
7	5856.20	-58.90	3.40	12.80	Horizontal	-51.65	-13.00	38.65	90
8	6692.80	-57.84	4.10	11.50	Horizontal	-52.59	-13.00	39.59	0
9	7529.40	-55.31	4.20	12.20	Horizontal	-49.46	-13.00	36.46	270
10	8366.00	-55.12	4.30	12.50	Horizontal	-49.07	-13.00	36.07	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 Horizontal position.



LTE Band 5 1.4MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1673.00	-67.68	1.70	8.70	Vertical	-62.83	-13.00	49.83	45
3	2509.50	-57.60	2.30	12.00	Vertical	-50.05	-13.00	37.05	0
4	3346.00	-64.65	2.70	12.70	Vertical	-56.80	-13.00	43.80	225
5	4182.50	-63.16	3.00	12.50	Vertical	-55.81	-13.00	42.81	0
6	5019.00	-59.61	3.40	12.50	Vertical	-52.66	-13.00	39.66	90
7	5855.50	-59.37	3.40	12.80	Vertical	-52.12	-13.00	39.12	180
8	6692.00	-58.96	4.10	11.50	Vertical	-53.71	-13.00	40.71	225
9	7528.50	-55.54	4.20	12.20	Vertical	-49.69	-13.00	36.69	315
10	8365.00	-56.10	4.30	12.50	Vertical	-50.05	-13.00	37.05	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 5 5MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1668.60	-67.17	1.70	8.70	Vertical	-62.32	-13.00	49.32	270
3	2503.30	-57.15	2.30	12.00	Vertical	-49.60	-13.00	36.60	0
4	3466.20	-64.56	2.70	12.70	Vertical	-56.71	-13.00	43.71	315
5	4215.90	-62.62	3.00	12.50	Vertical	-55.27	-13.00	42.27	225
6	5165.60	-58.88	3.40	12.50	Vertical	-51.93	-13.00	38.93	0
7	5815.30	-59.06	3.40	12.80	Vertical	-51.81	-13.00	38.81	90
8	6765.00	-58.56	4.10	11.50	Vertical	-53.31	-13.00	40.31	180
9	7614.70	-55.79	4.20	12.20	Vertical	-49.94	-13.00	36.94	270
10	8464.40	-55.70	4.30	12.50	Vertical	-49.65	-13.00	36.65	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 5 10MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1664.40	-65.32	1.70	8.70	Vertical	-60.47	-13.00	47.47	45
3	2496.60	-57.57	2.30	12.00	Vertical	-50.02	-13.00	37.02	0
4	3328.00	-65.91	2.70	12.70	Vertical	-58.06	-13.00	45.06	90
5	4160.00	-64.12	3.00	12.50	Vertical	-56.77	-13.00	43.77	90
6	4992.00	-60.34	3.40	12.50	Vertical	-53.39	-13.00	40.39	225
7	5824.00	-58.52	3.40	12.80	Vertical	-51.27	-13.00	38.27	180
8	6656.00	-58.65	4.10	11.50	Vertical	-53.40	-13.00	40.40	45
9	7488.00	-55.38	4.20	12.20	Vertical	-49.53	-13.00	36.53	90
10	8320.00	-55.68	4.30	12.50	Vertical	-49.63	-13.00	36.63	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 n5 5MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1673.00	-68.30	1.70	8.70	Horizontal	-63.45	-13.00	50.45	180
3	2440.65	-61.70	2.30	12.00	Horizontal	-54.15	-13.00	41.15	0
4	3346.00	-65.40	2.70	12.70	Horizontal	-57.55	-13.00	44.55	180
5	4182.50	-64.48	3.00	12.50	Horizontal	-57.13	-13.00	44.13	225
6	5019.00	-59.38	3.40	12.50	Horizontal	-52.43	-13.00	39.43	0
7	5855.50	-58.73	3.40	12.80	Horizontal	-51.48	-13.00	38.48	45
8	6692.00	-58.55	4.10	11.50	Horizontal	-53.30	-13.00	40.30	90
9	7528.50	-56.72	4.20	12.20	Horizontal	-50.87	-13.00	37.87	90
10	8365.00	-55.26	4.30	12.50	Horizontal	-49.21	-13.00	36.21	270

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



NR n5 20MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1653.00	-67.33	1.70	8.70	Horizontal	-62.48	-13.00	49.48	90
3	2479.50	-54.94	2.30	12.00	Horizontal	-47.39	-13.00	34.39	90
4	3306.00	-65.12	2.70	12.70	Horizontal	-57.27	-13.00	44.27	45
5	4132.50	-63.62	3.00	12.50	Horizontal	-56.27	-13.00	43.27	135
6	4959.00	-61.17	3.40	12.50	Horizontal	-54.22	-13.00	41.22	90
7	5785.50	-59.50	3.40	12.80	Horizontal	-52.25	-13.00	39.25	0
8	6612.00	-58.61	4.10	11.50	Horizontal	-53.36	-13.00	40.36	45
9	7438.50	-54.48	4.20	12.20	Horizontal	-48.63	-13.00	35.63	0
10	8265.00	-56.68	4.30	12.50	Horizontal	-50.63	-13.00	37.63	90

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

DC_66A-n5A 5MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1677.50	-69.12	1.70	8.70	Horizontal	-64.27	-13.00	51.27	135
3	2516.25	-59.59	2.30	12.00	Horizontal	-52.04	-13.00	39.04	90
4	3355.00	-65.32	2.70	12.70	Horizontal	-57.47	-13.00	44.47	135
5	4193.75	-65.16	3.00	12.50	Horizontal	-57.81	-13.00	44.81	0
6	5032.50	-62.99	3.40	12.50	Horizontal	-56.04	-13.00	43.04	270
7	5871.25	-64.55	3.40	12.80	Horizontal	-57.30	-13.00	44.30	180
8	6710.00	-61.40	4.10	11.50	Horizontal	-56.15	-13.00	43.15	180
9	7548.75	-56.44	4.20	12.20	Horizontal	-50.59	-13.00	37.59	0
10	8387.50	-55.53	4.30	12.50	Horizontal	-49.48	-13.00	36.48	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 Horizontal position.



DC_66A-n5A 20MHz CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1692.08	-68.97	1.70	8.70	Horizontal	-64.12	-13.00	51.12	90
3	2538.12	-59.00	2.30	12.00	Horizontal	-51.45	-13.00	38.45	90
4	3384.16	-65.19	2.70	12.70	Horizontal	-57.34	-13.00	44.34	135
5	4230.20	-63.76	3.00	12.50	Horizontal	-56.41	-13.00	43.41	90
6	5076.24	-64.15	3.40	12.50	Horizontal	-57.20	-13.00	44.20	90
7	5922.28	-64.88	3.40	12.80	Horizontal	-57.63	-13.00	44.63	180
8	6768.32	-59.59	4.10	11.50	Horizontal	-54.34	-13.00	41.34	315
9	7614.36	-56.28	4.20	12.20	Horizontal	-50.43	-13.00	37.43	270
10	8460.40	-55.04	4.30	12.50	Horizontal	-48.99	-13.00	35.99	225

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

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

7. Main Test Instruments

Name	Manufacturer	Type	Serial Number	Calibration Date	Expiration Date
Wireless Communication Tester	Anritsu	MT8000A	6261844783	2021-05-15	2022-05-14
Wireless Communication Tester	Anritsu	MT8821C	6201538758	2021-05-15	2022-05-14
Climate Chamber	WEISS	VT 4002	58226119450 010	2021-05-15	2022-05-14
Base Station Simulator	R&S	CMW500	150415	2021-05-15	2022-05-14
Spectrum Analyzer	Keysight	N9020A	MY52330084	2021-05-15	2022-05-14
Universal Radio Communication Tester	Agilent	E5515C	GB44400275	2021-05-15	2022-05-14
Universal Radio Communication Tester	StarPoint	SP9500	SP9500-2044 0	2021-05-15	2022-05-14
Signal Analyzer	R&S	FSV3030	101411	2021-12-12	2022-12-11
Spectrum Analyzer	R&S	FSV30	104028	2021-05-15	2022-05-14
Loop Antenna	SCHWARZBECK	FMZB1519	1519-047	2020-04-02	2023-04-01
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
Software	R&S	EMC32	10.35.10	/	/

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



ANNEX A: The EUT Appearance

The EUT Appearance is submitted separately.



ANNEX B: Test Setup Photos

The Test Setup Photos is submitted separately.