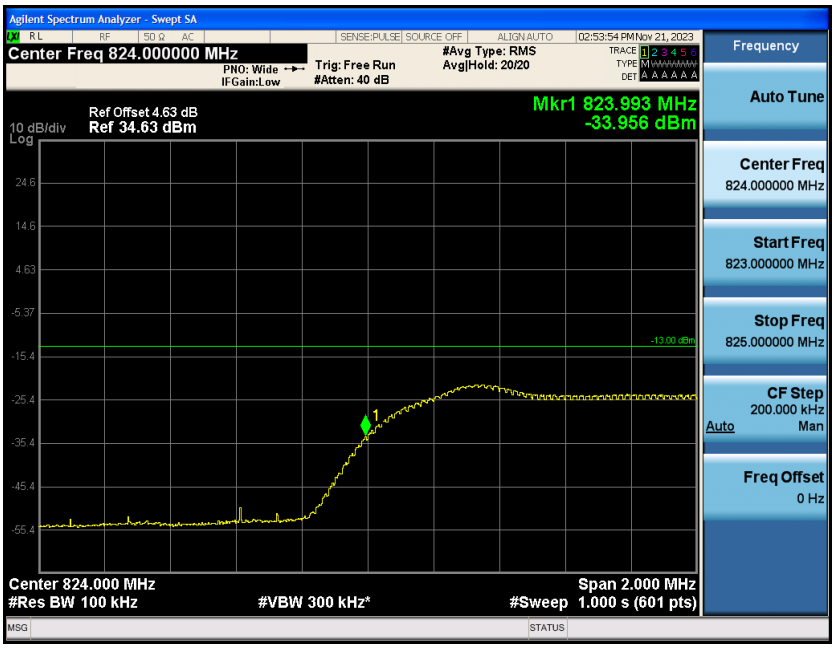
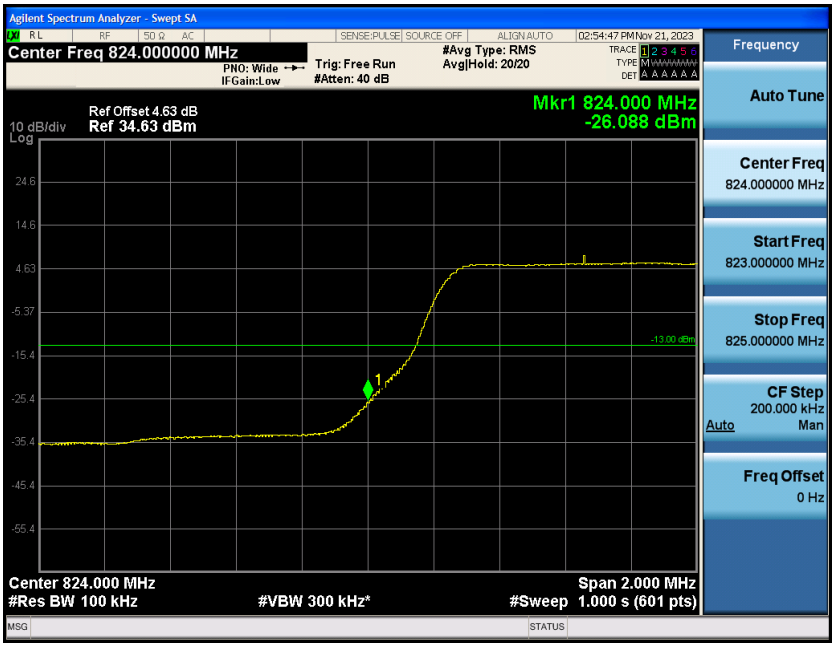
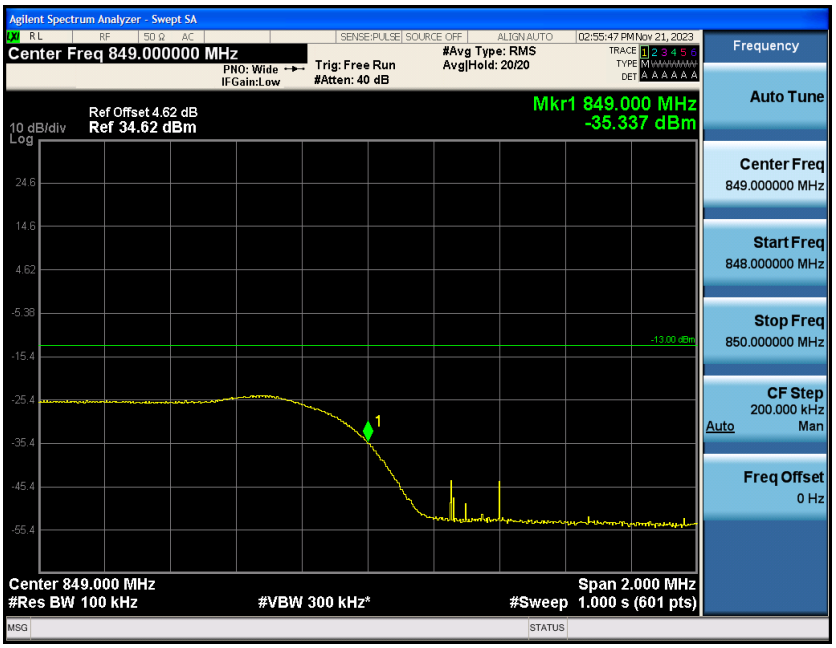


Band5-5MHz-16QAM-20425-25RB#0



Band5-5MHz-16QAM-20625-1RB#0



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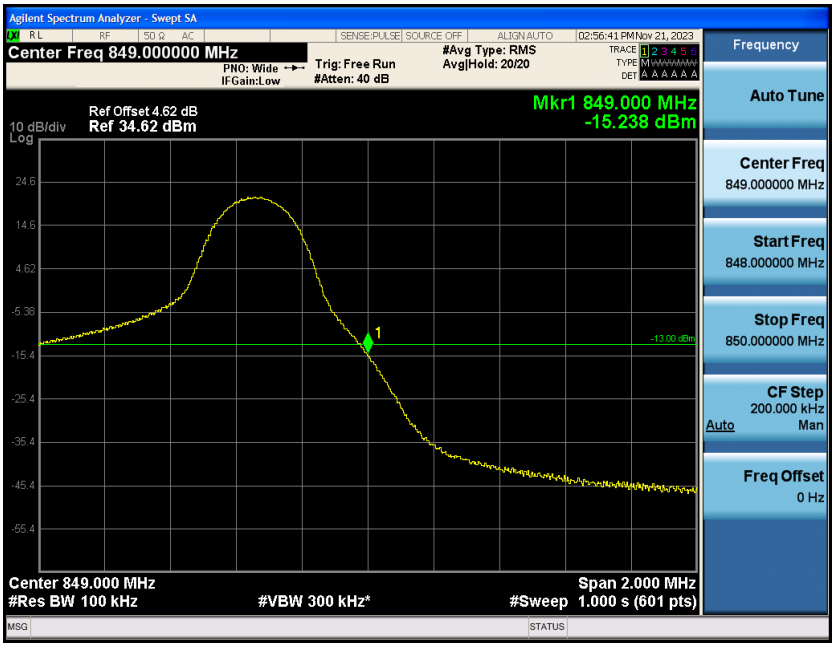
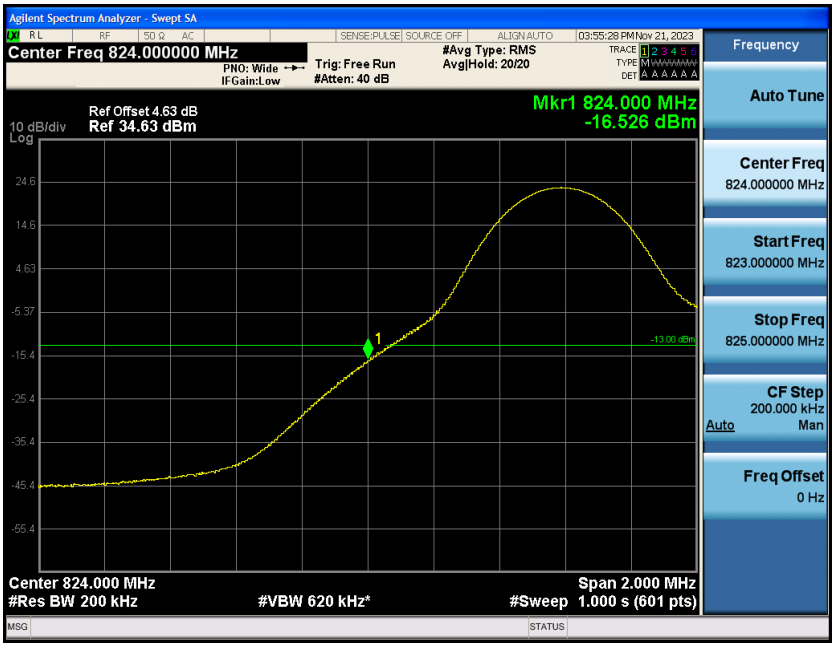
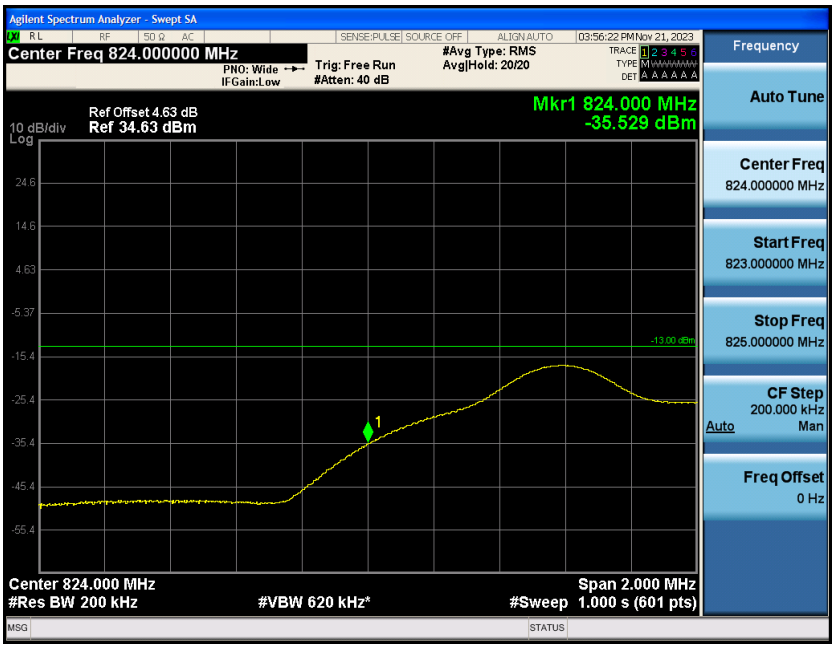


Band5-5MHz-16QAM-20625-25RB#0

Band5-10MHz-QPSK-20450-1RB#0



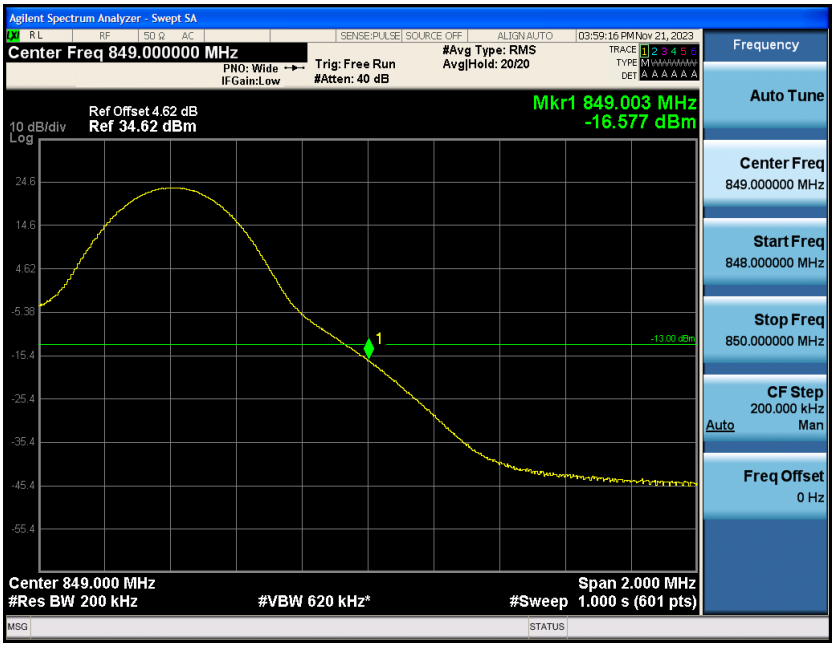
Band5-10MHz-QPSK-20450-1RB#49



Band5-10MHz-QPSK-20450-50RB#0

Band5-10MHz-QPSK-20600-1RB#0

Band5-10MHz-QPSK-20600-1RB#49



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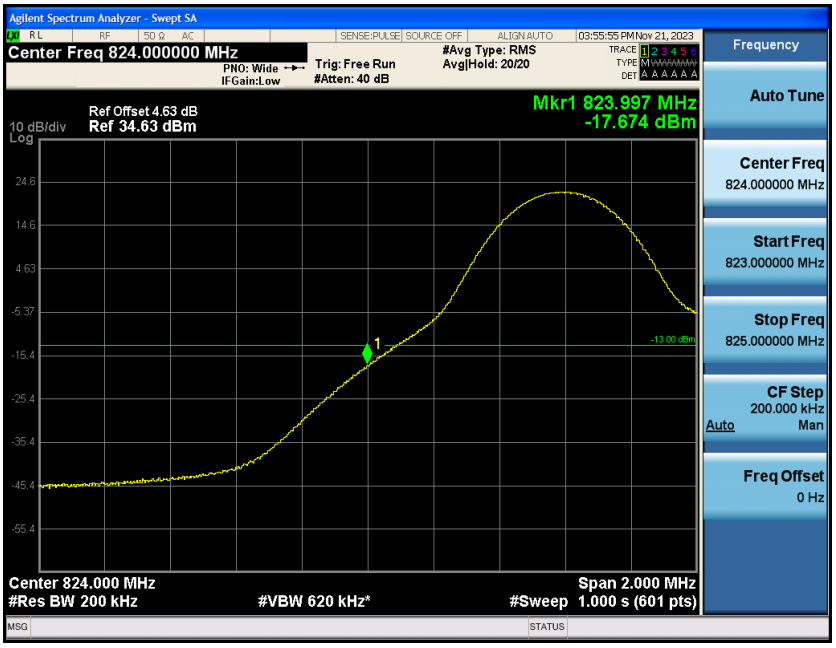
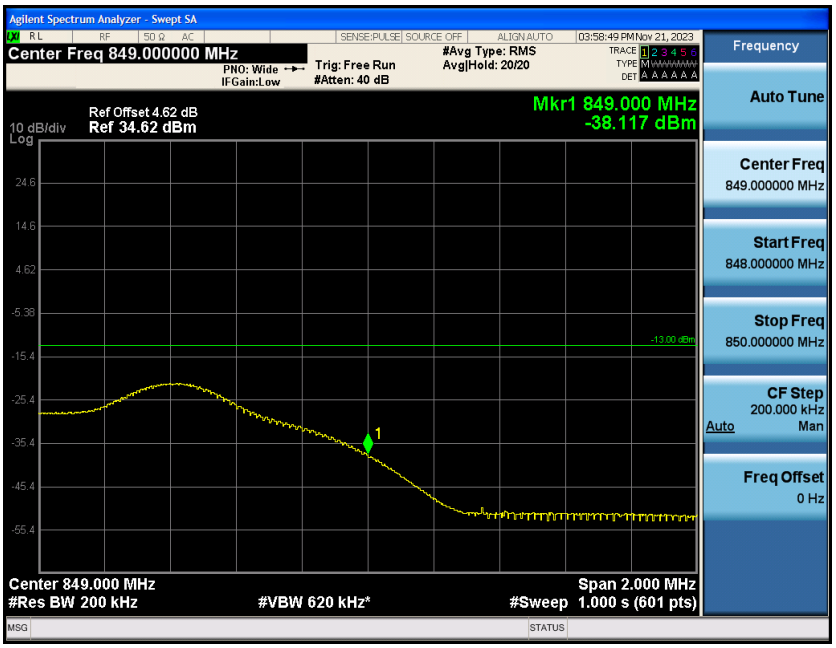
Band5-10MHz-16QAM-20450-1RB#0



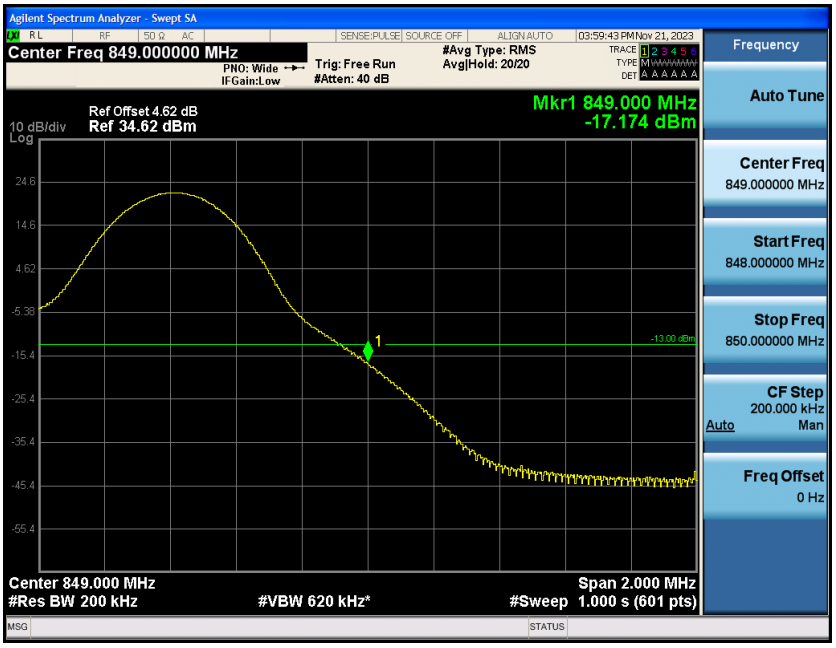
Band5-10MHz-16QAM-20450-1RB#49

Band5-10MHz-16QAM-20450-50RB#0

Band5-10MHz-16QAM-20600-1RB#0



Band5-10MHz-16QAM-20600-1RB#49



Band5-10MHz-16QAM-20600-50RB#0

Agilent Spectrum Analyzer - Swept SA
Center Freq 849.000000 MHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 40 dB
#Avg Type: RMS
Avg|Hold: 20/20
04:00:36 PM Nov 21, 2023
Ref Offset 4.62 dB
10 dB/div
Log
Ref 34.62 dBm
Mkr1 849.000 MHz
-29.008 dBm
24.6
14.6
4.62
-5.38
-15.4
-25.4
-35.4
-45.4
-55.4
-13.00 dBm
Center 849.000 MHz
#Res BW 200 kHz
#VBW 620 kHz*
Span 2.000 MHz
#Sweep 1.000 s (601 pts)
Frequency
Auto Tune
Center Freq
849.000000 MHz
Start Freq
848.000000 MHz
Stop Freq
850.000000 MHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

Appendix E: Conducted Spurious Emission

Test Result

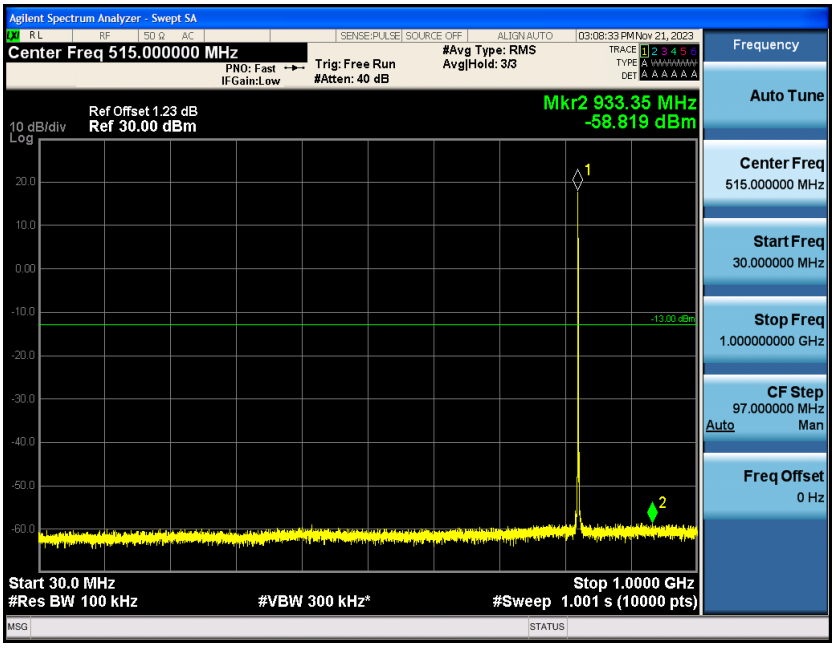
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band 5	1.4MHz	QPSK	20407	1RB#0	Range1:30~1000MHz	-58.82	PASS
Band 5	1.4MHz	QPSK	20407	1RB#0	Range2:1000~10000MHz	-49.06	PASS
Band 5	1.4MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-58.76	PASS
Band 5	1.4MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-50.05	PASS
Band 5	1.4MHz	QPSK	20643	1RB#0	Range1:30~1000MHz	-58.35	PASS
Band 5	1.4MHz	QPSK	20643	1RB#0	Range2:1000~10000MHz	-47.84	PASS
Band 5	1.4MHz	16QAM	20407	1RB#0	Range1:30~1000MHz	-58.61	PASS
Band 5	1.4MHz	16QAM	20407	1RB#0	Range2:1000~10000MHz	-50.01	PASS
Band 5	1.4MHz	16QAM	20525	1RB#0	Range1:30~1000MHz	-58.78	PASS
Band 5	1.4MHz	16QAM	20525	1RB#0	Range2:1000~10000MHz	-50.83	PASS
Band 5	1.4MHz	16QAM	20643	1RB#0	Range1:30~1000MHz	-58.66	PASS
Band 5	1.4MHz	16QAM	20643	1RB#0	Range2:1000~10000MHz	-50.72	PASS
Band 5	3MHz	QPSK	20415	1RB#0	Range1:30~1000MHz	-58.67	PASS
Band 5	3MHz	QPSK	20415	1RB#0	Range2:1000~10000MHz	-49.25	PASS
Band 5	3MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-58.92	PASS
Band 5	3MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-49.39	PASS
Band 5	3MHz	QPSK	20635	1RB#0	Range1:30~1000MHz	-58.77	PASS
Band	3MHz	QPSK	20635	1RB#0	Range2:1000~10000M	-48.9	PAS

5					Hz	2	S
Band 5	3MHz	16QAM	20415	1RB#0	Range1:30~1000MHz	-58.72	PASS
Band 5	3MHz	16QAM	20415	1RB#0	Range2:1000~10000MHz	-49.37	PASS
Band 5	3MHz	16QAM	20525	1RB#0	Range1:30~1000MHz	-58.87	PASS
Band 5	3MHz	16QAM	20525	1RB#0	Range2:1000~10000MHz	-50.66	PASS
Band 5	3MHz	16QAM	20635	1RB#0	Range1:30~1000MHz	-59.04	PASS
Band 5	3MHz	16QAM	20635	1RB#0	Range2:1000~10000MHz	-50.77	PASS
Band 5	5MHz	QPSK	20425	1RB#0	Range1:30~1000MHz	-58.55	PASS
Band 5	5MHz	QPSK	20425	1RB#0	Range2:1000~10000MHz	-48.95	PASS
Band 5	5MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-58.91	PASS
Band 5	5MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-49.2	PASS
Band 5	5MHz	QPSK	20625	1RB#0	Range1:30~1000MHz	-59.02	PASS
Band 5	5MHz	QPSK	20625	1RB#0	Range2:1000~10000MHz	-49.08	PASS
Band 5	5MHz	16QAM	20425	1RB#0	Range1:30~1000MHz	-58.71	PASS
Band 5	5MHz	16QAM	20425	1RB#0	Range2:1000~10000MHz	-50.96	PASS
Band 5	5MHz	16QAM	20525	1RB#0	Range1:30~1000MHz	-58.66	PASS
Band 5	5MHz	16QAM	20525	1RB#0	Range2:1000~10000MHz	-49.71	PASS
Band 5	5MHz	16QAM	20625	1RB#0	Range1:30~1000MHz	-58.8	PASS
Band 5	5MHz	16QAM	20625	1RB#0	Range2:1000~10000MHz	-50.69	PASS
Band 5	10MHz	QPSK	20450	1RB#0	Range1:30~1000MHz	-58.89	PASS
Band 5	10MHz	QPSK	20450	1RB#0	Range2:1000~10000MHz	-48.47	PASS
Band 5	10MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-59.04	PASS

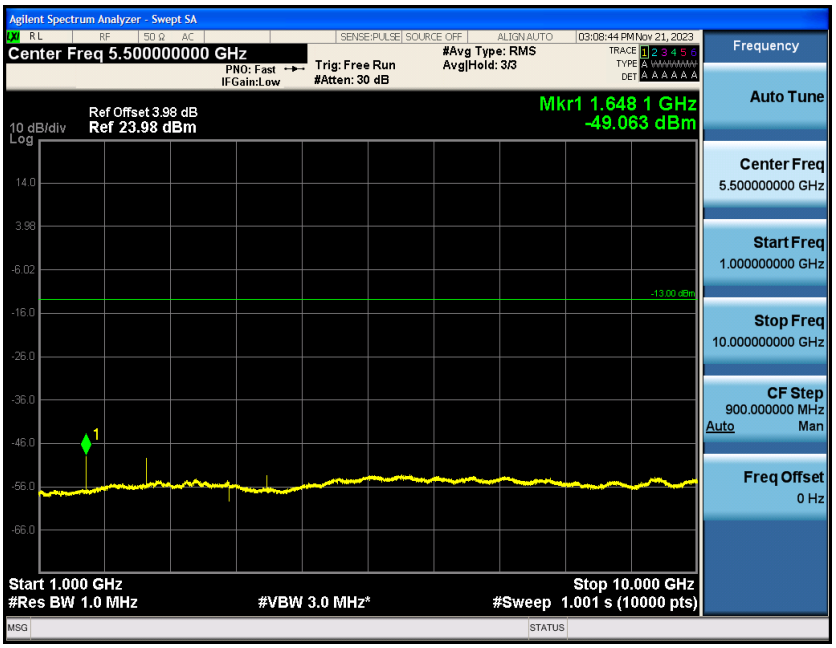
Band 5	10MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-50.29	PASS
Band 5	10MHz	QPSK	20600	1RB#0	Range1:30~1000MHz	-58.91	PASS
Band 5	10MHz	QPSK	20600	1RB#0	Range2:1000~10000MHz	-50.8	PASS
Band 5	10MHz	16QAM	20450	1RB#0	Range1:30~1000MHz	-59	PASS
Band 5	10MHz	16QAM	20450	1RB#0	Range2:1000~10000MHz	-49.69	PASS
Band 5	10MHz	16QAM	20525	1RB#0	Range1:30~1000MHz	-58.65	PASS
Band 5	10MHz	16QAM	20525	1RB#0	Range2:1000~10000MHz	-52.13	PASS
Band 5	10MHz	16QAM	20600	1RB#0	Range1:30~1000MHz	-59.07	PASS
Band 5	10MHz	16QAM	20600	1RB#0	Range2:1000~10000MHz	-51.78	PASS

Test Graphs

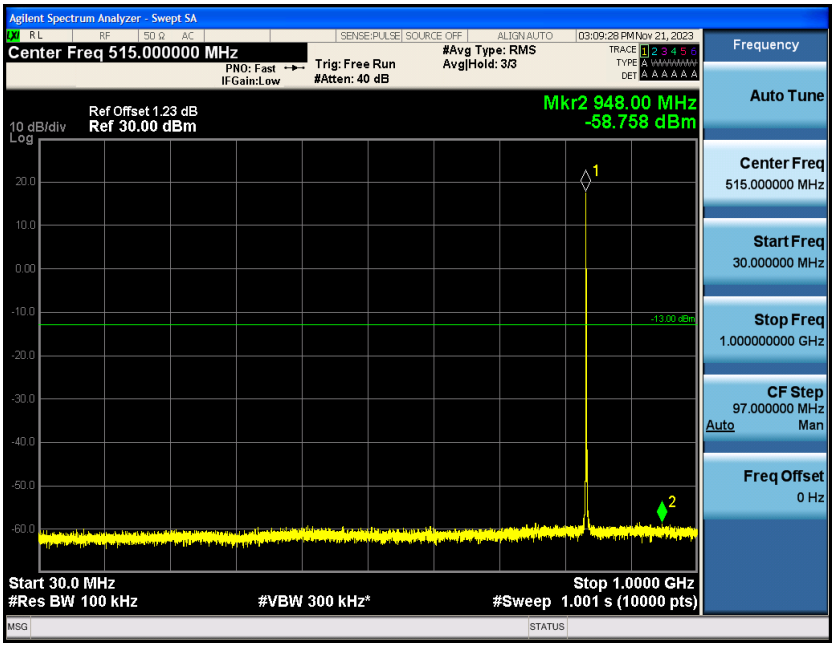
Band5-1.4MHz-QPSK-20407-1RB#0-Range1:30~1000MHz



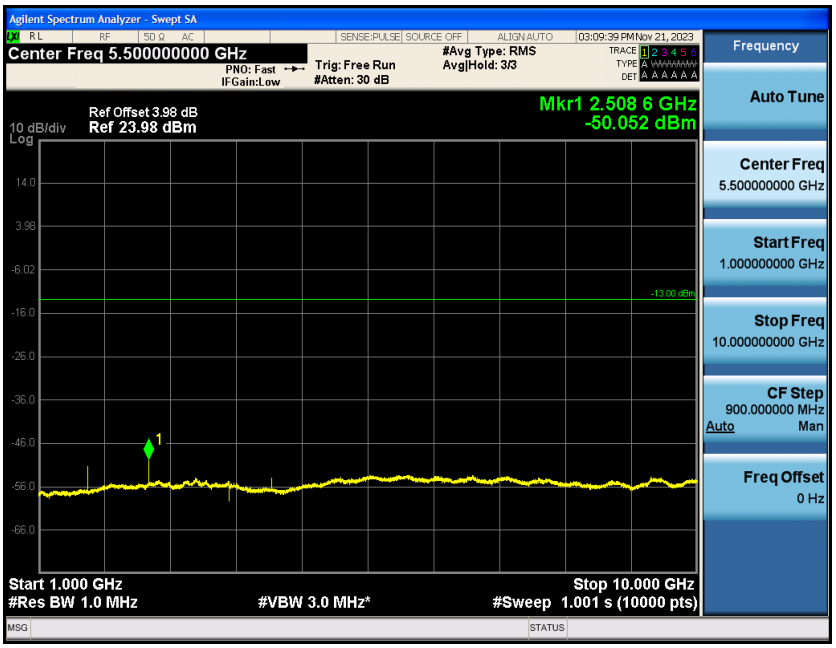
Band5-1.4MHz-QPSK-20407-1RB#0-Range2:1000~10000MHz



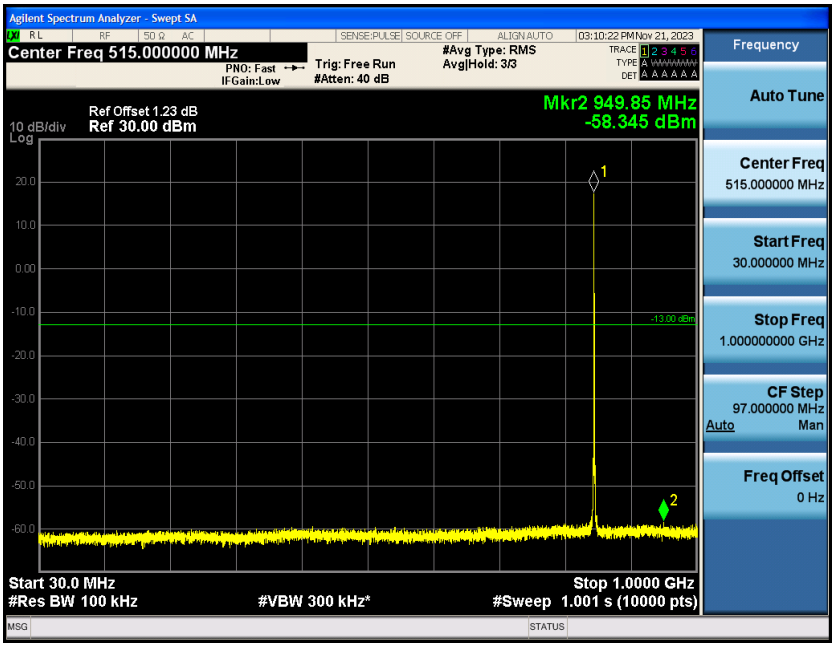
Band5-1.4MHz-QPSK-20525-1RB#0-Range1:30~1000MHz



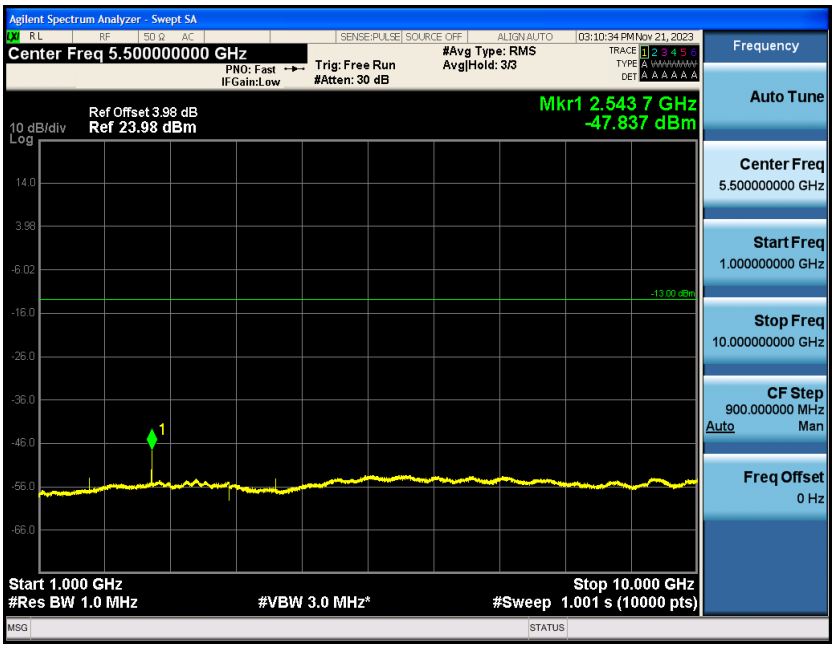
Band5-1.4MHz-QPSK-20525-1RB#0-Range2:1000~10000MHz



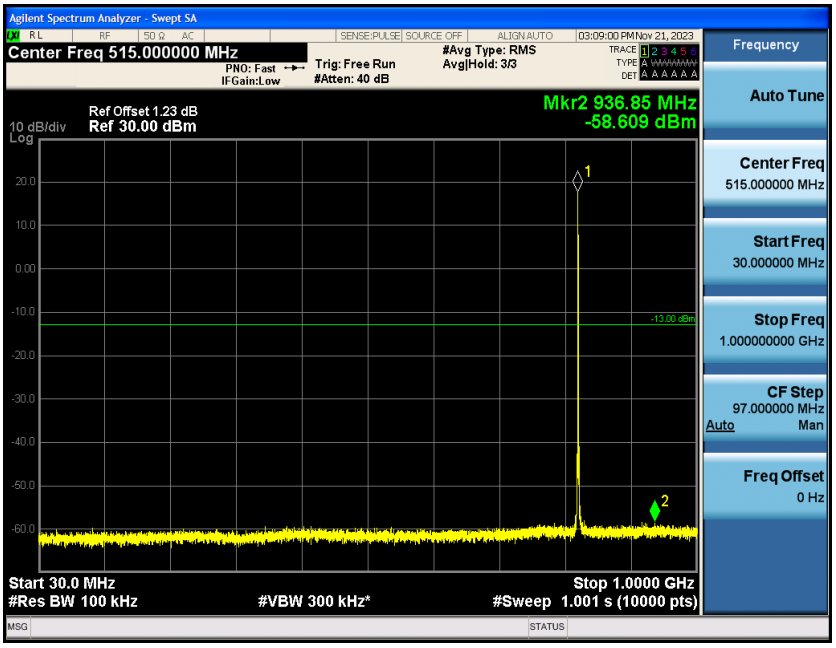
Band5-1.4MHz-QPSK-20643-1RB#0-Range1:30~1000MHz



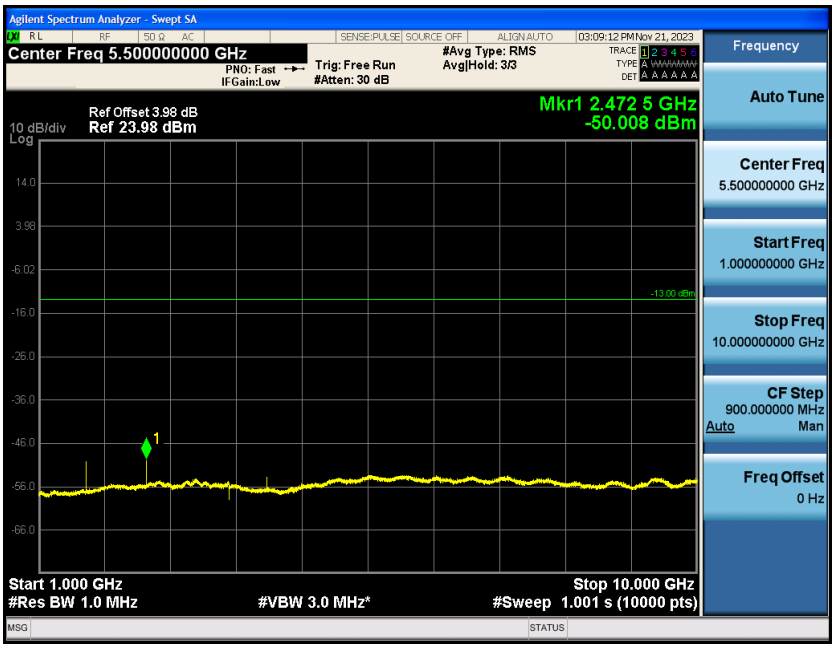
Band5-1.4MHz-QPSK-20643-1RB#0-Range2:1000~10000MHz



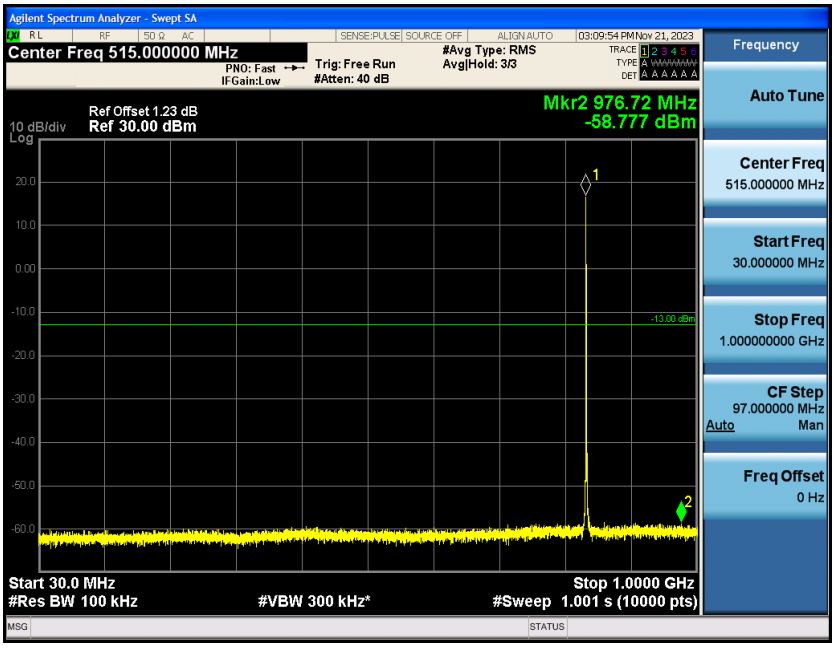
Band5-1.4MHz-16QAM-20407-1RB#0-Range1:30~1000MHz



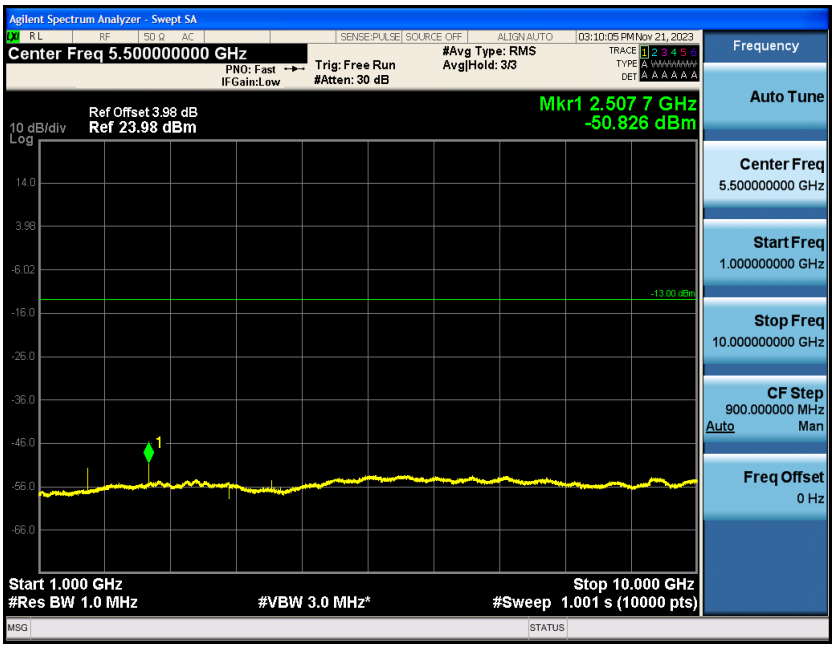
Band5-1.4MHz-16QAM-20407-1RB#0-Range2:1000~10000MHz



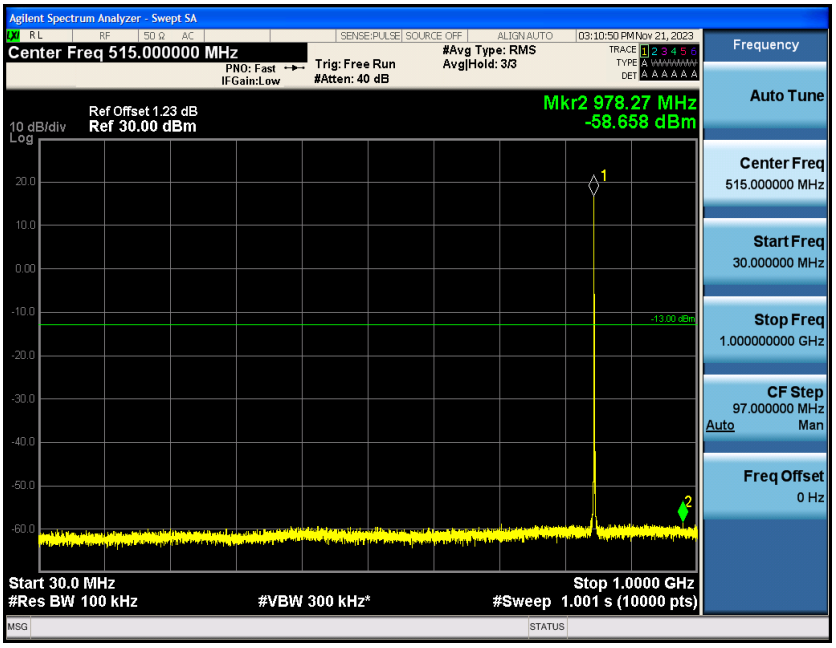
Band5-1.4MHz-16QAM-20525-1RB#0-Range1:30~1000MHz



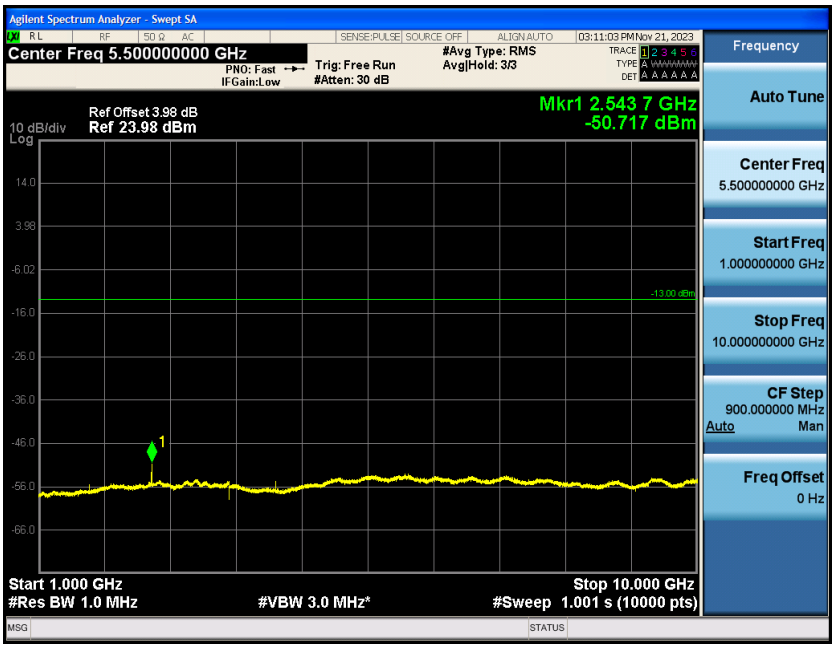
Band5-1.4MHz-16QAM-20525-1RB#0-Range2:1000~10000MHz



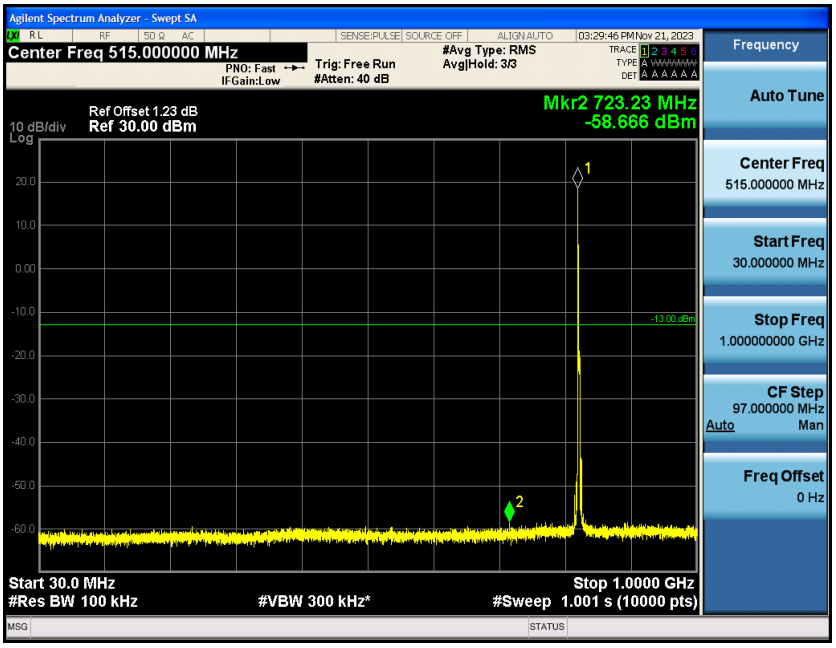
Band5-1.4MHz-16QAM-20643-1RB#0-Range1:30~1000MHz



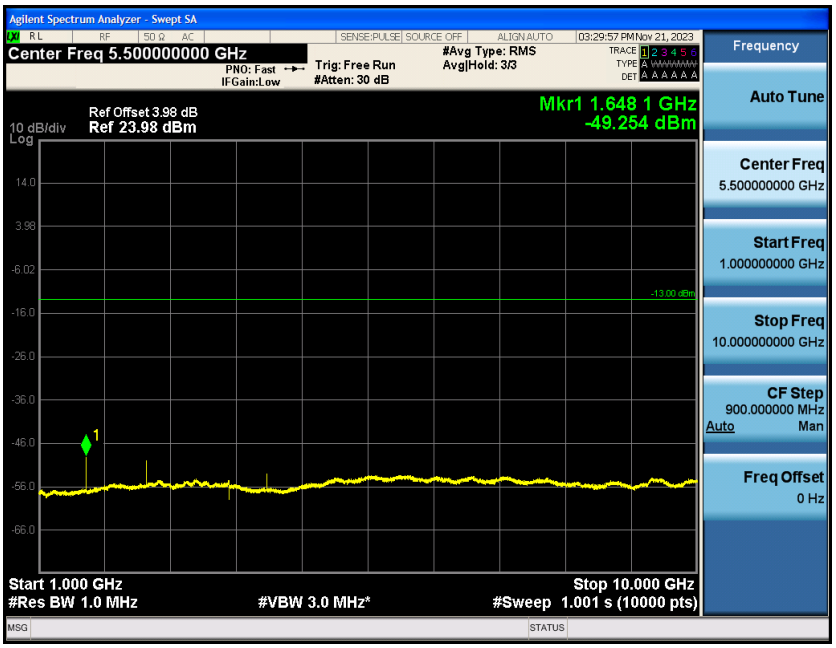
Band5-1.4MHz-16QAM-20643-1RB#0-Range2:1000~10000MHz



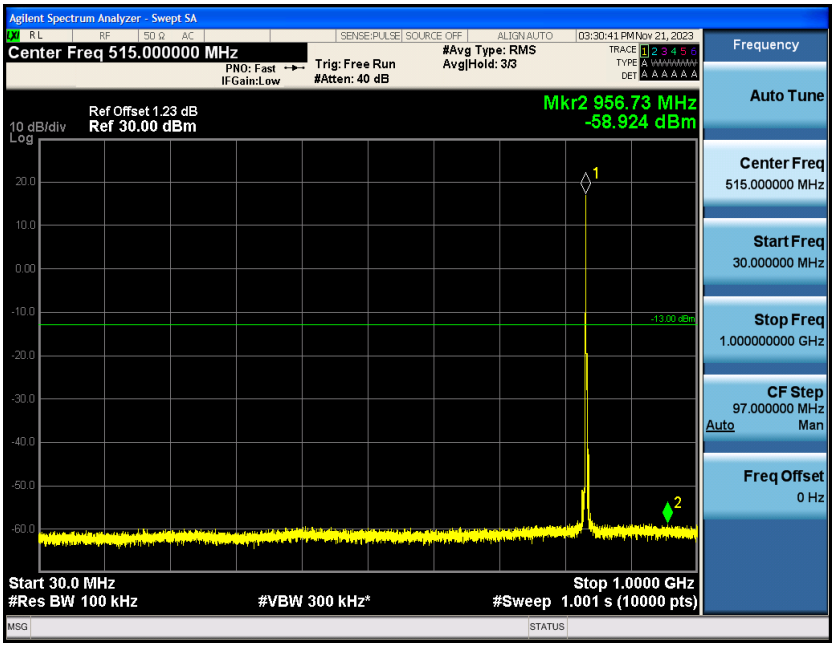
Band5-3MHz-QPSK-20415-1RB#0-Range1:30~1000MHz



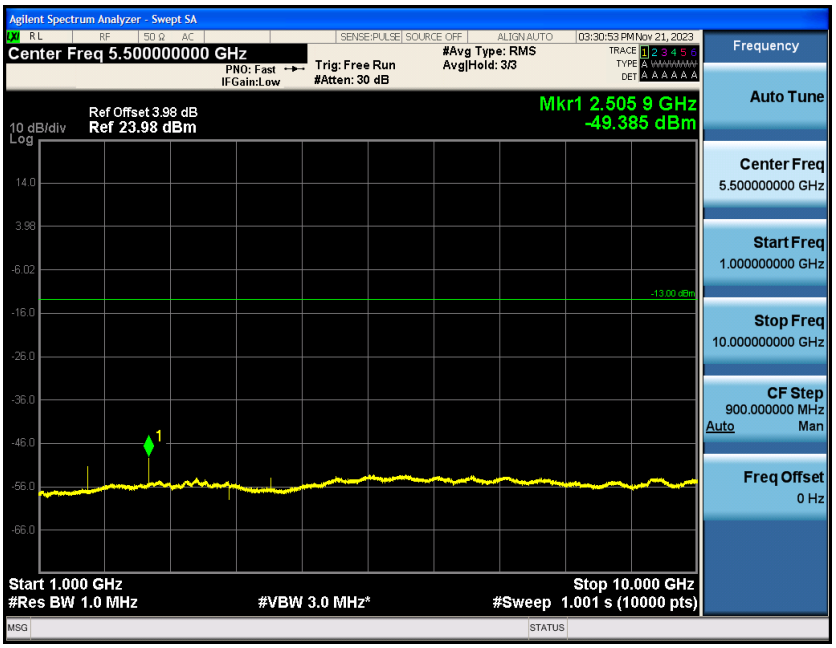
Band5-3MHz-QPSK-20415-1RB#0-Range2:1000~10000MHz



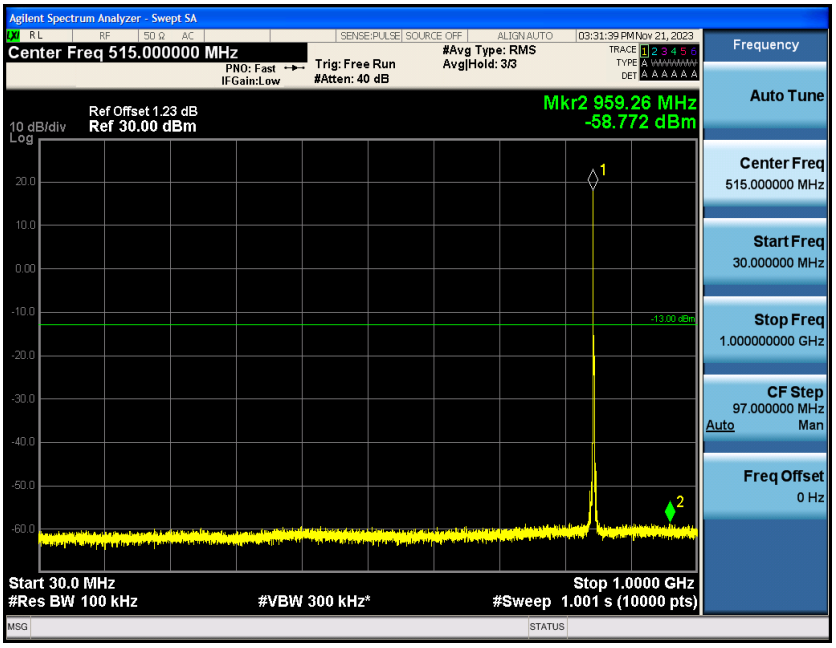
Band5-3MHz-QPSK-20525-1RB#0-Range1:30~1000MHz



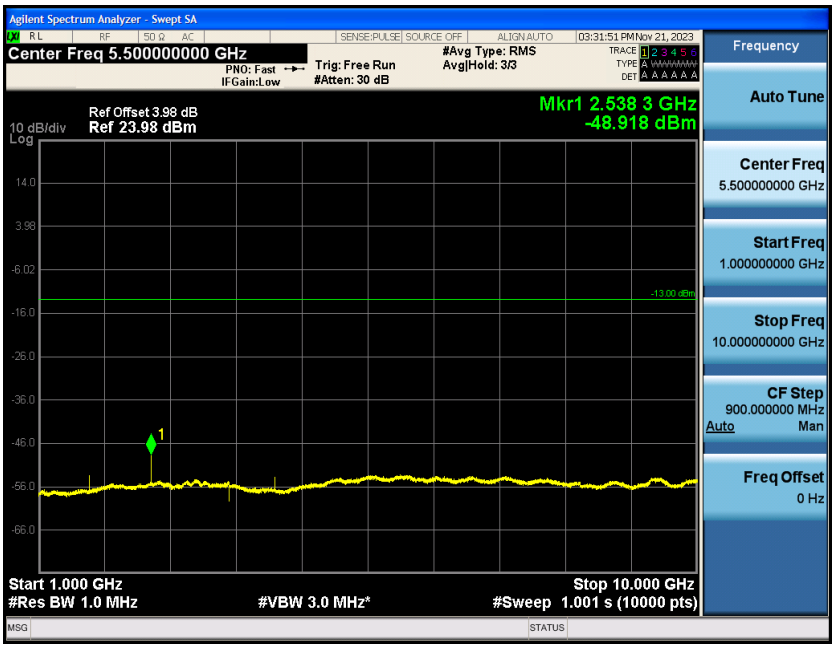
Band5-3MHz-QPSK-20525-1RB#0-Range2:1000~10000MHz



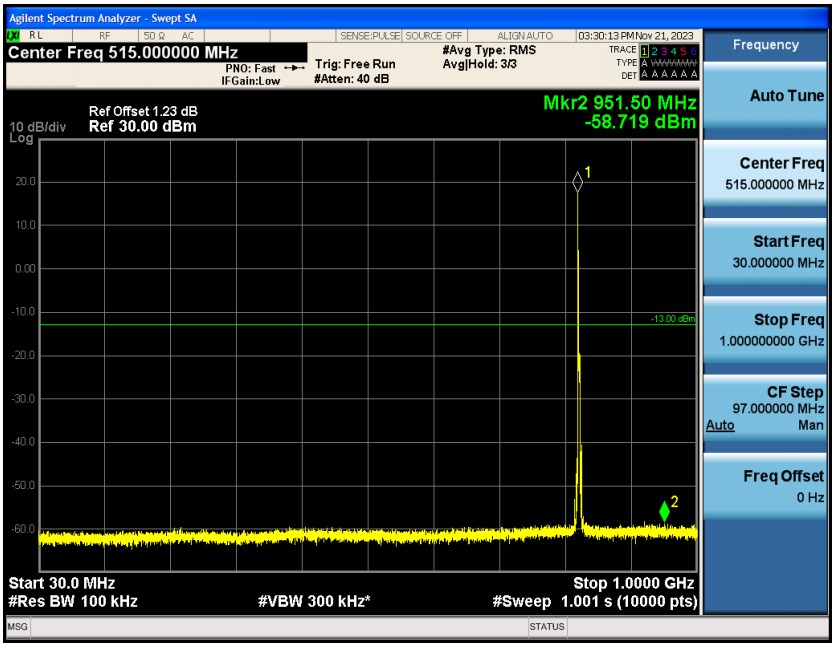
Band5-3MHz-QPSK-20635-1RB#0-Range1:30~1000MHz



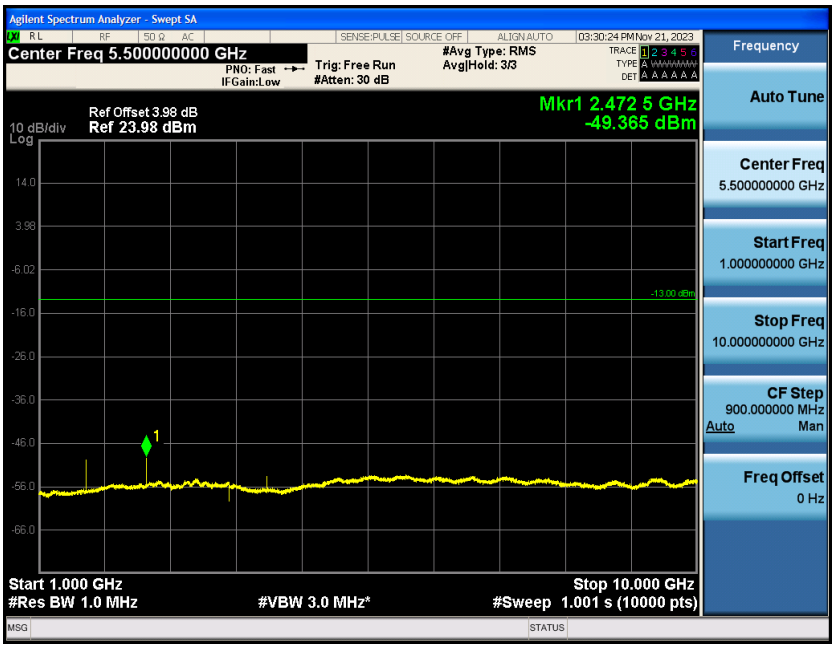
Band5-3MHz-QPSK-20635-1RB#0-Range2:1000~10000MHz



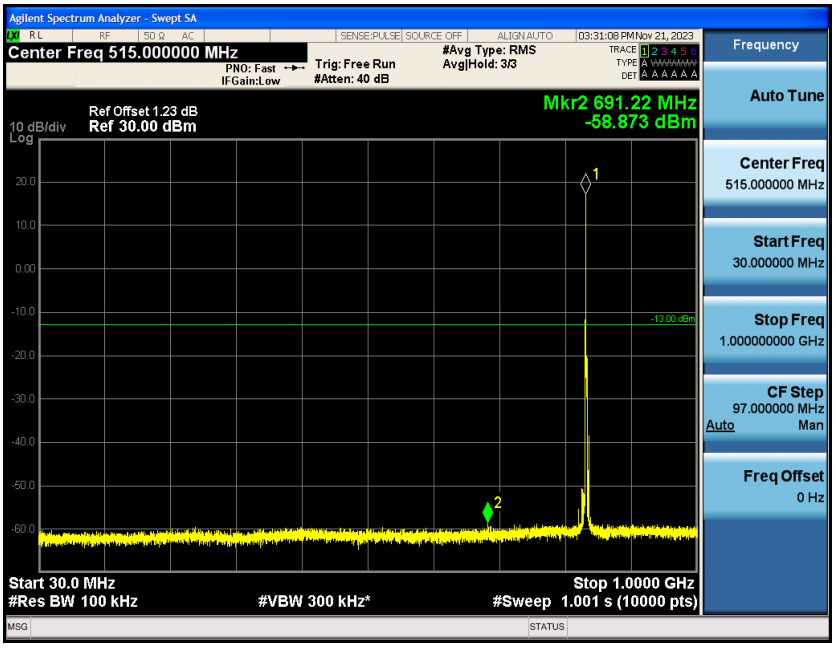
Band5-3MHz-16QAM-20415-1RB#0-Range1:30~1000MHz



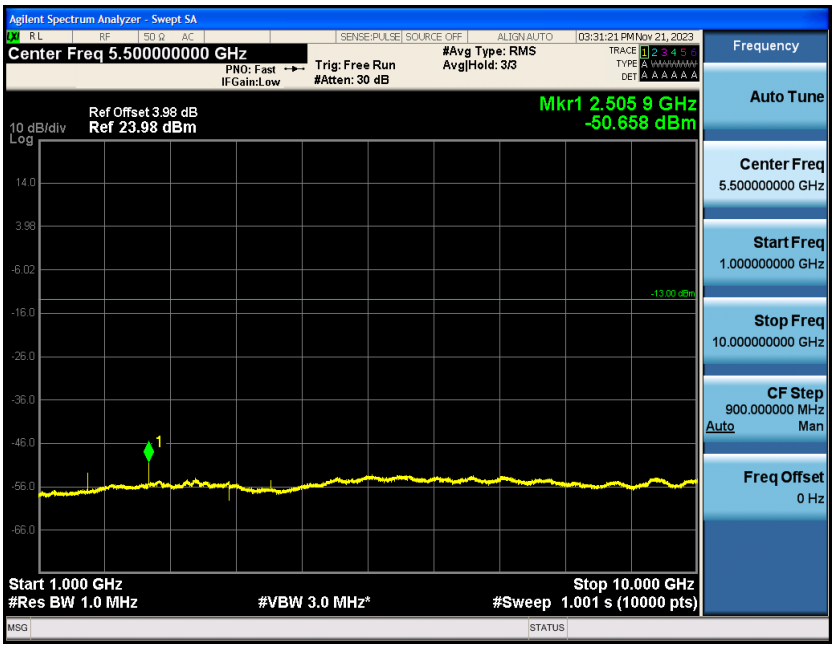
Band5-3MHz-16QAM-20415-1RB#0-Range2:1000~10000MHz



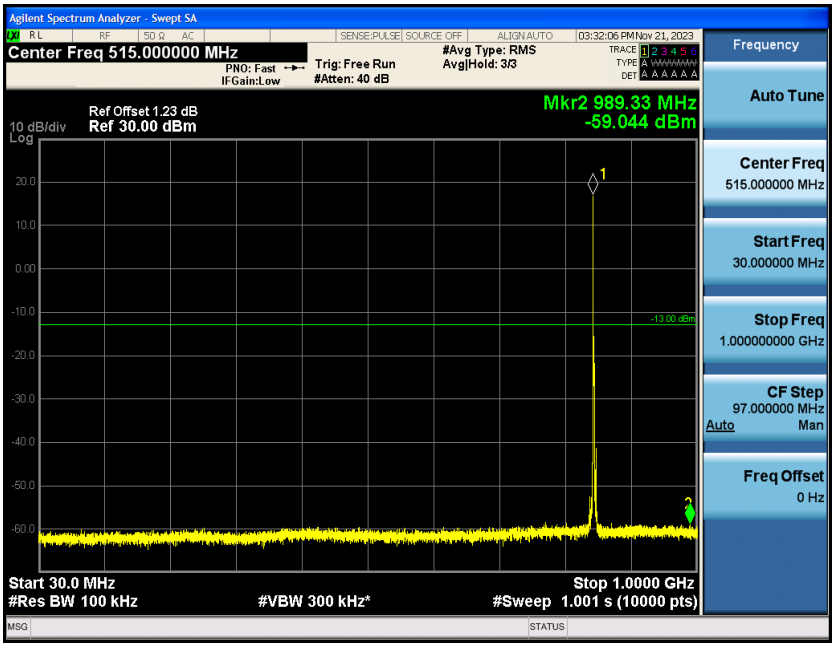
Band5-3MHz-16QAM-20525-1RB#0-Range1:30~1000MHz



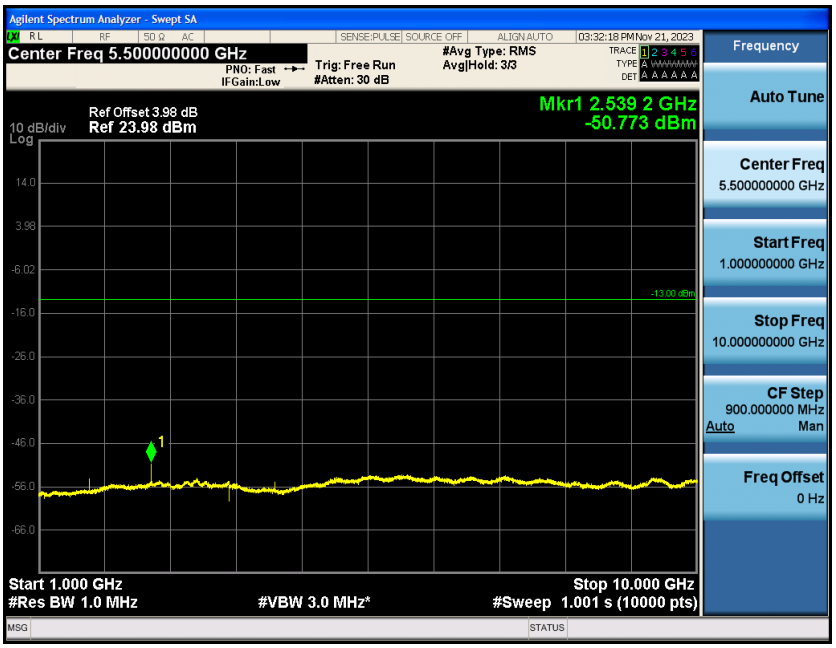
Band5-3MHz-16QAM-20525-1RB#0-Range2:1000~10000MHz



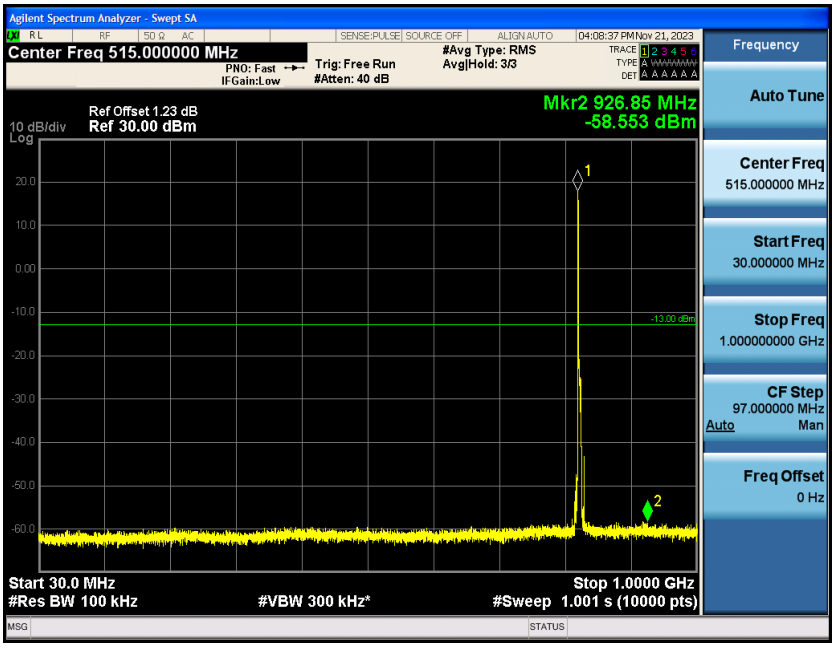
Band5-3MHz-16QAM-20635-1RB#0-Range1:30~1000MHz



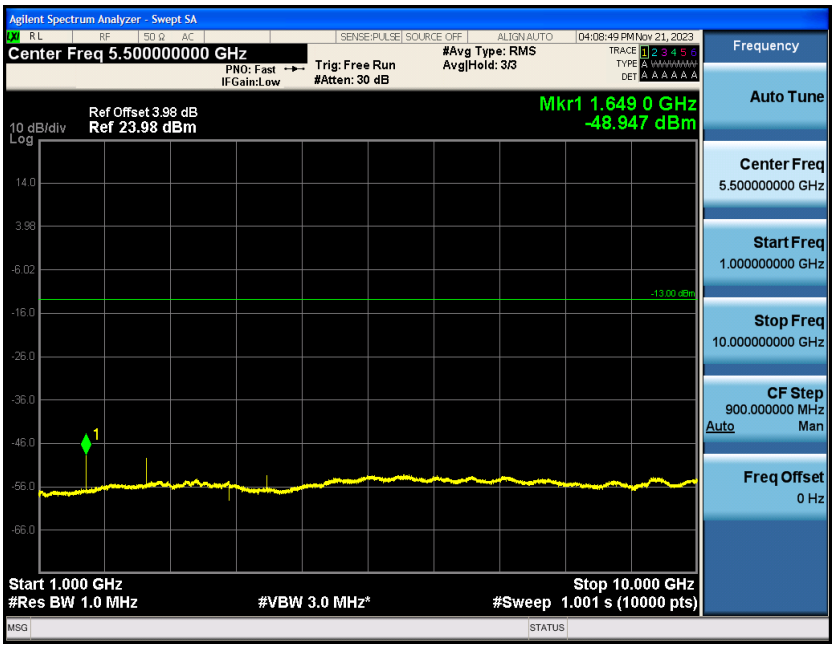
Band5-3MHz-16QAM-20635-1RB#0-Range2:1000~10000MHz



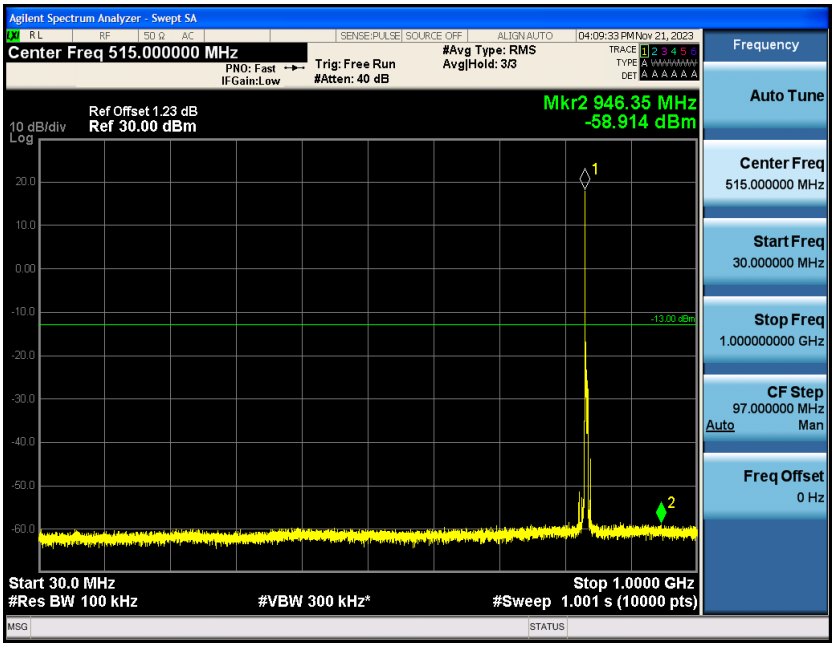
Band5-5MHz-QPSK-20425-1RB#0-Range1:30~1000MHz



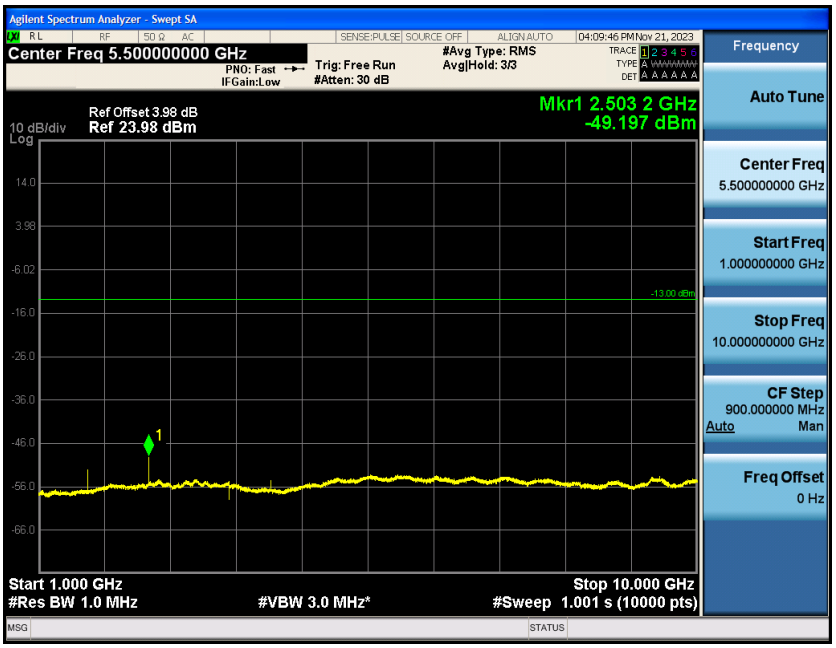
Band5-5MHz-QPSK-20425-1RB#0-Range2:1000~10000MHz



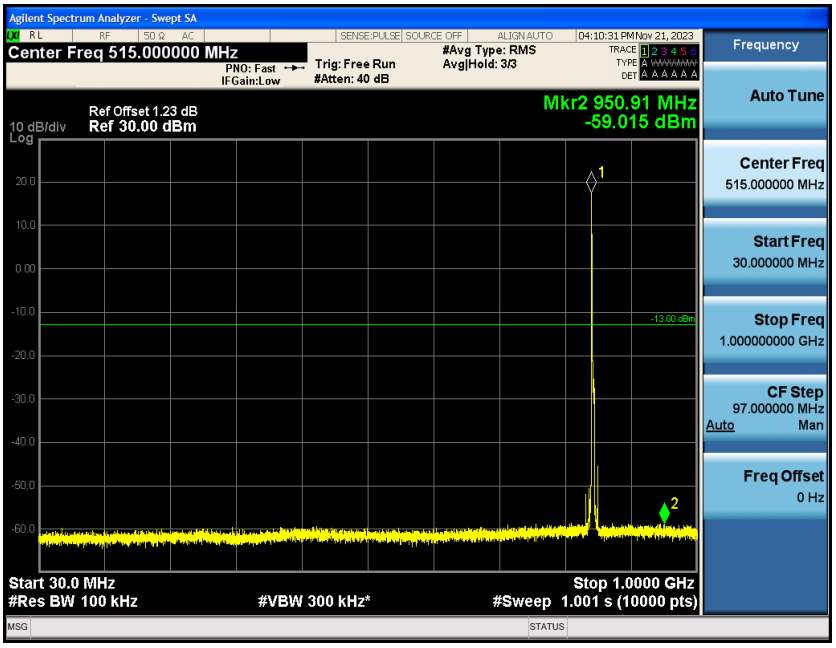
Band5-5MHz-QPSK-20525-1RB#0-Range1:30~1000MHz



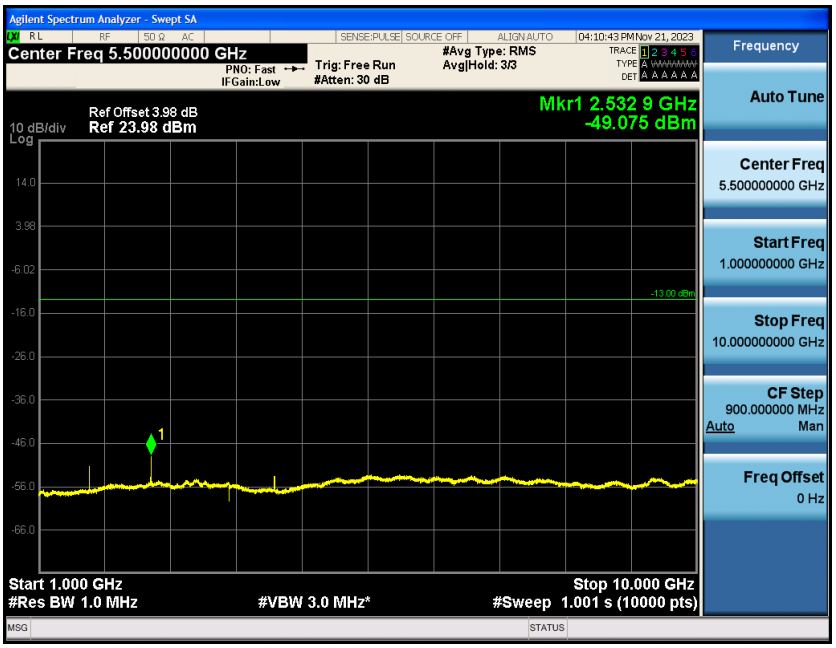
Band5-5MHz-QPSK-20525-1RB#0-Range2:1000~10000MHz



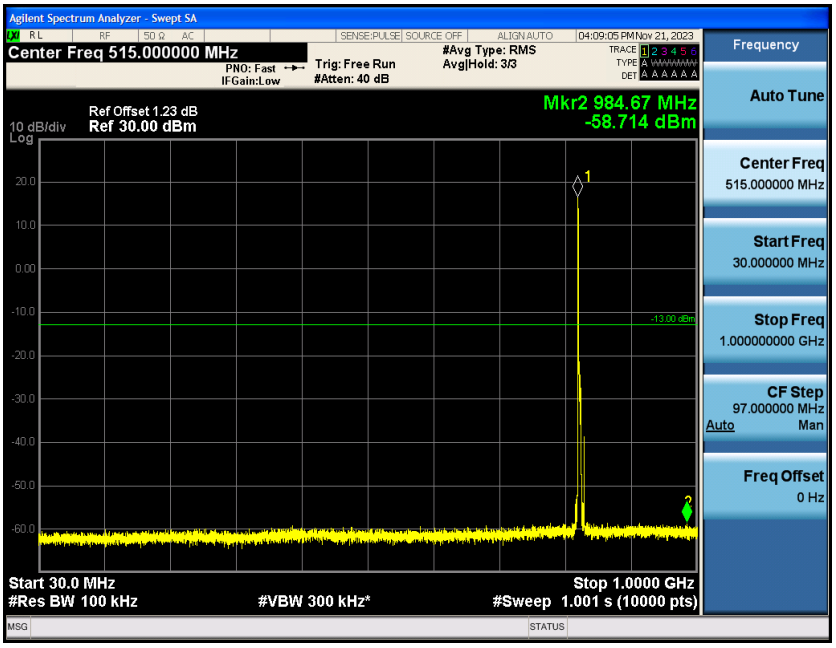
Band5-5MHz-QPSK-20625-1RB#0-Range1:30~1000MHz



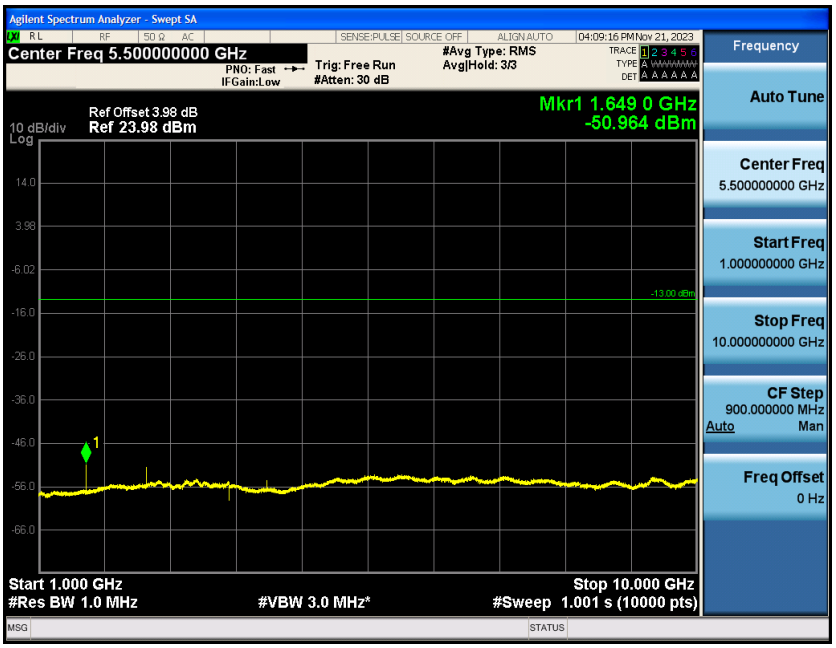
Band5-5MHz-QPSK-20625-1RB#0-Range2:1000~10000MHz



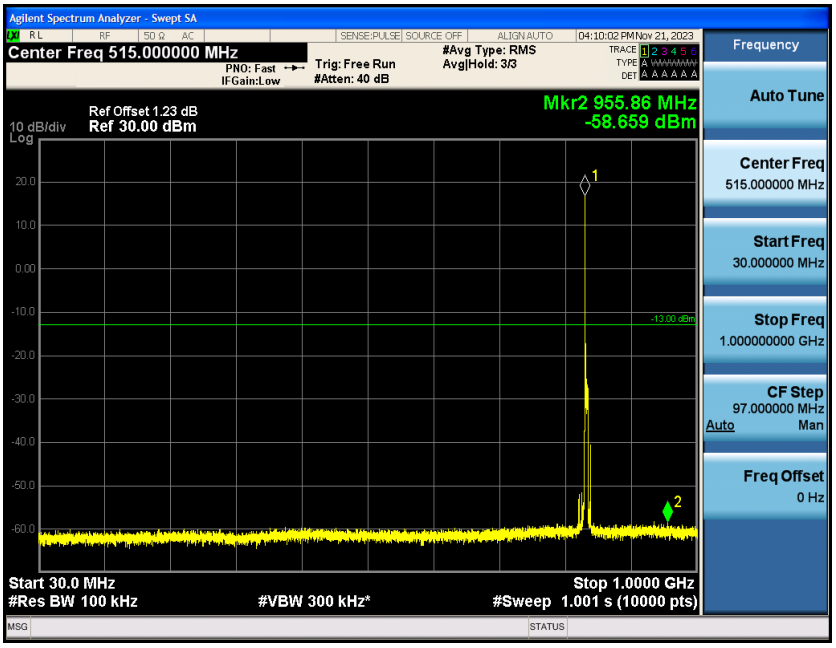
Band5-5MHz-16QAM-20425-1RB#0-Range1:30~1000MHz



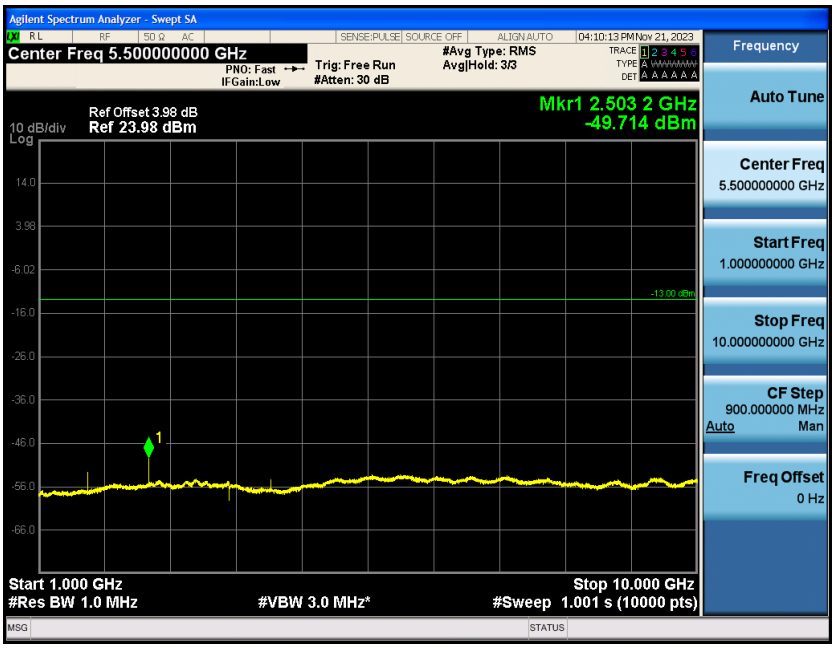
Band5-5MHz-16QAM-20425-1RB#0-Range2:1000~10000MHz



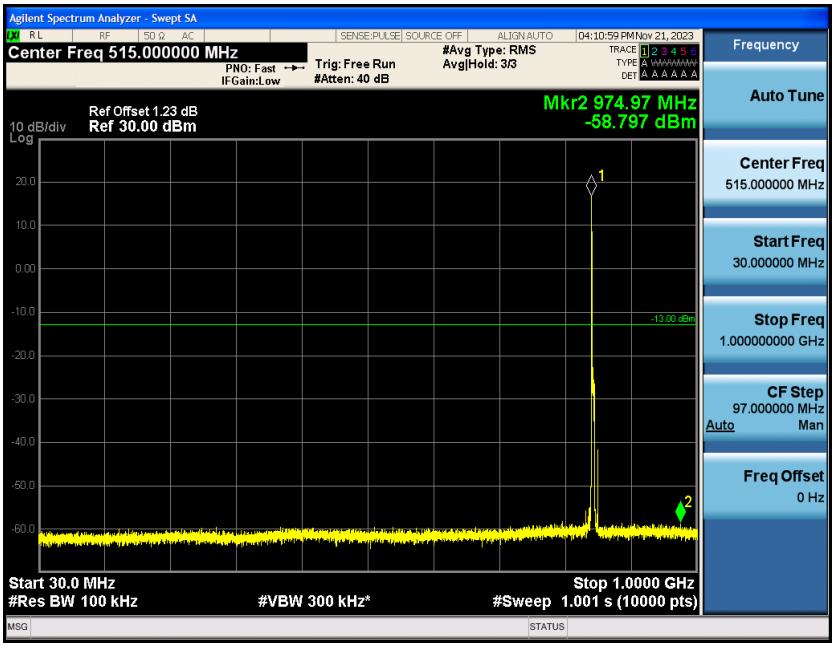
Band5-5MHz-16QAM-20525-1RB#0-Range1:30~1000MHz



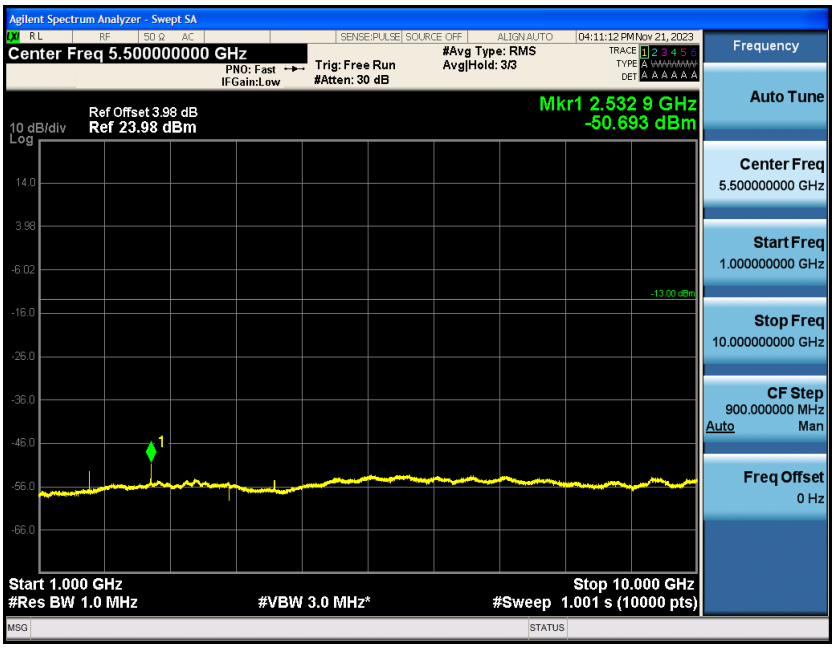
Band5-5MHz-16QAM-20525-1RB#0-Range2:1000~10000MHz



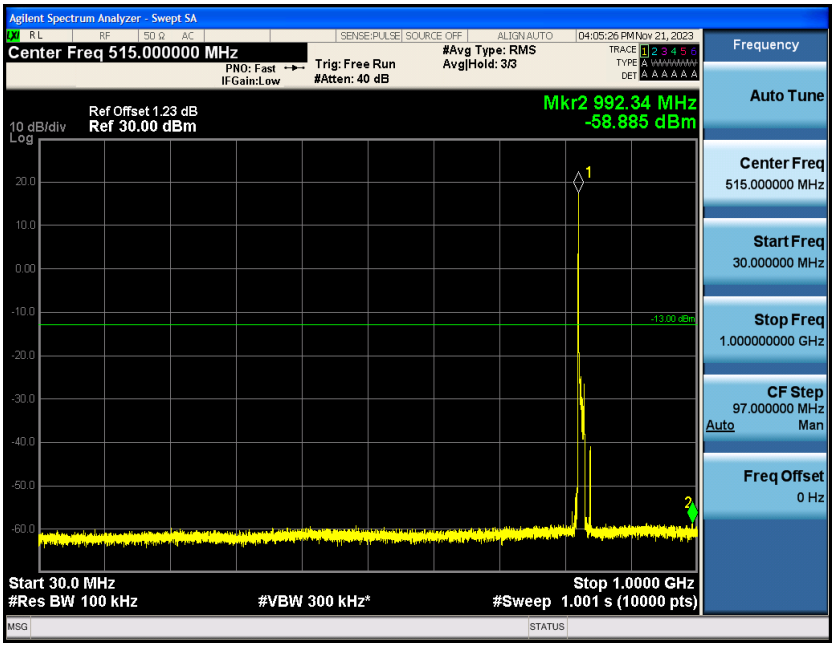
Band5-5MHz-16QAM-20625-1RB#0-Range1:30~1000MHz



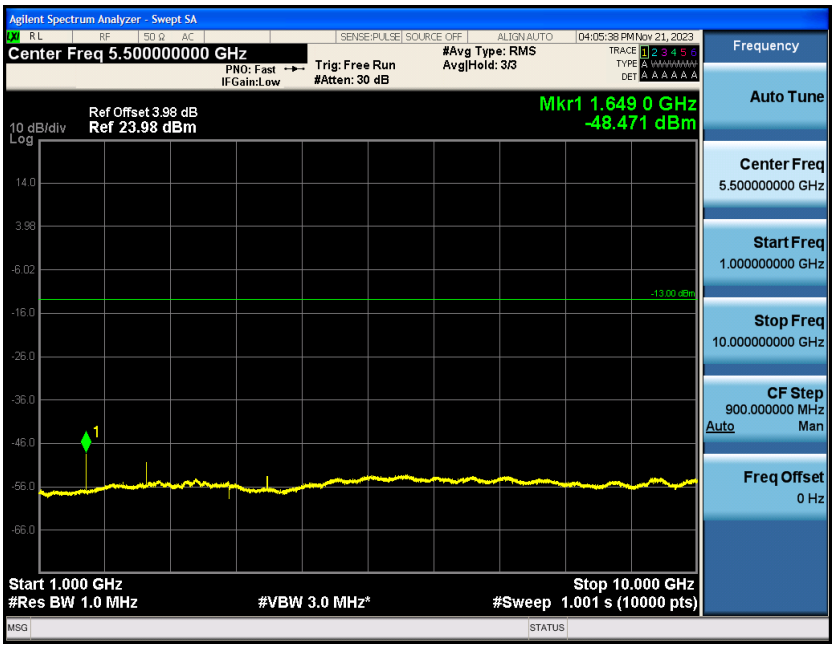
Band5-5MHz-16QAM-20625-1RB#0-Range2:1000~10000MHz



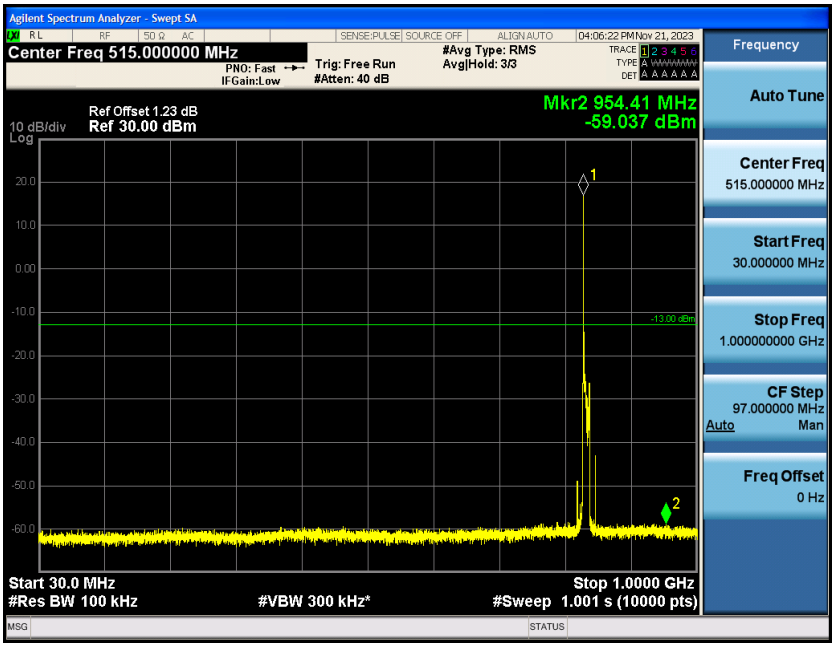
Band5-10MHz-QPSK-20450-1RB#0-Range1:30~1000MHz



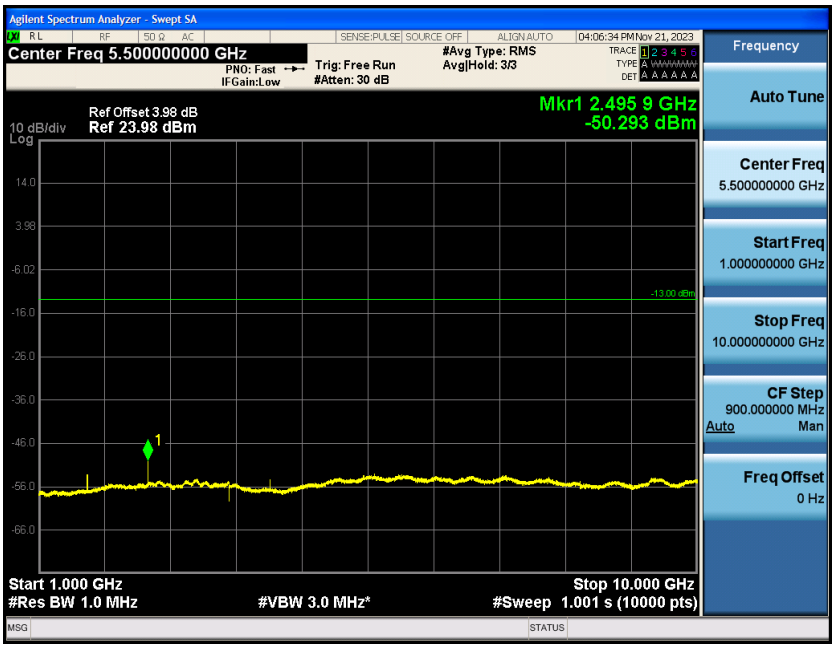
Band5-10MHz-QPSK-20450-1RB#0-Range2:1000~10000MHz



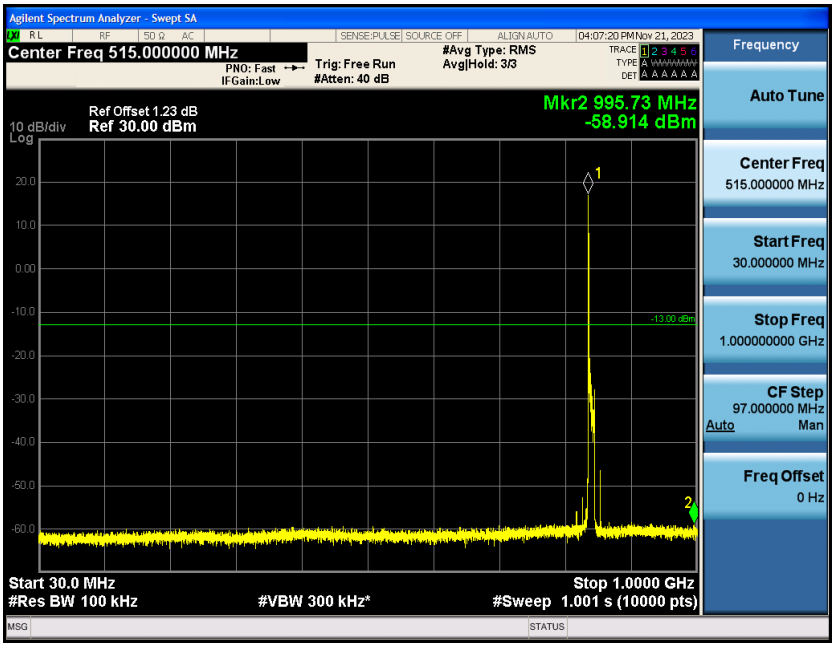
Band5-10MHz-QPSK-20525-1RB#0-Range1:30~1000MHz



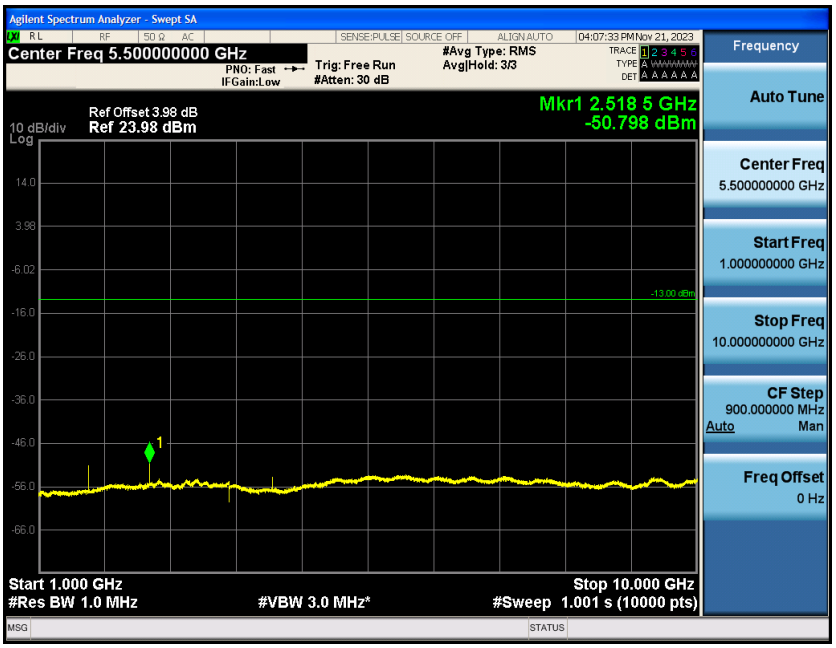
Band5-10MHz-QPSK-20525-1RB#0-Range2:1000~10000MHz



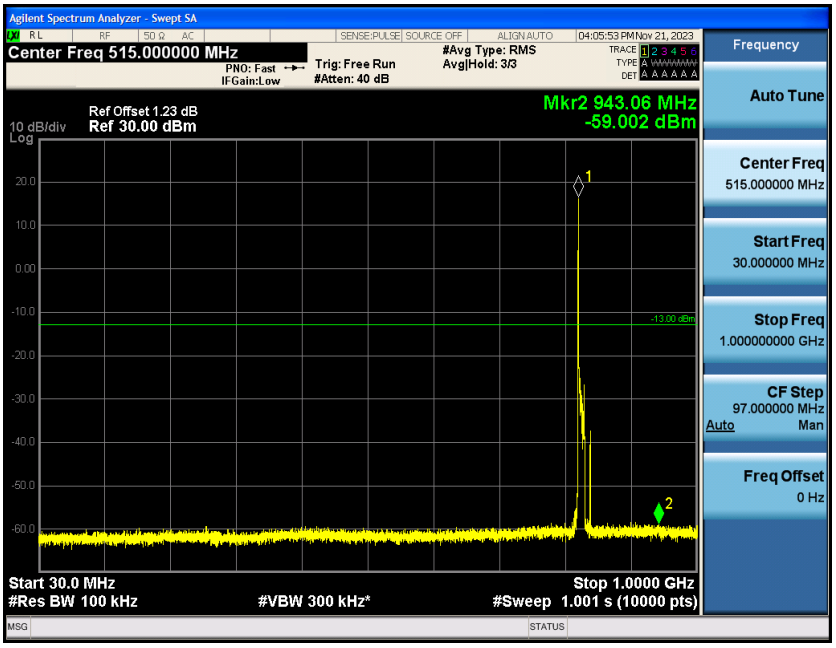
Band5-10MHz-QPSK-20600-1RB#0-Range1:30~1000MHz



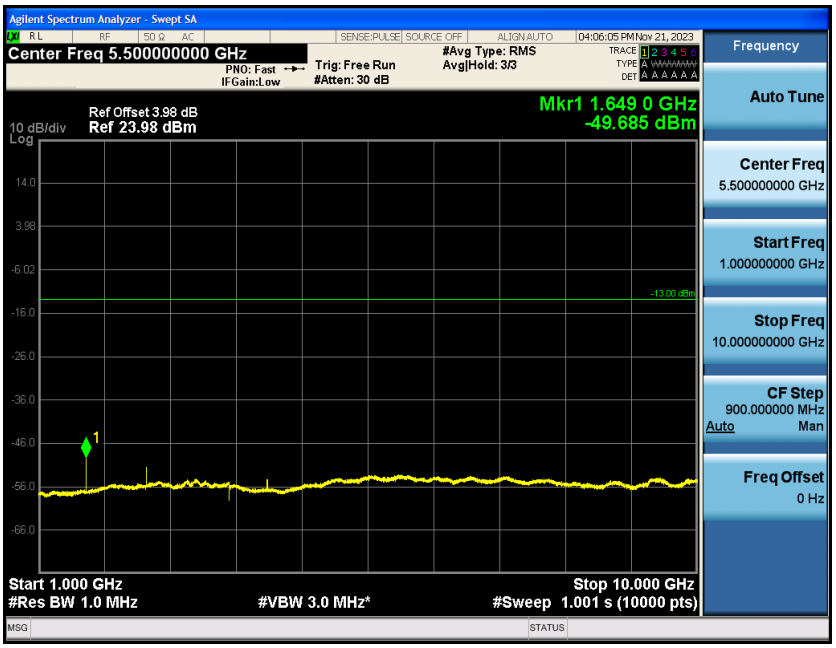
Band5-10MHz-QPSK-20600-1RB#0-Range2:1000~10000MHz



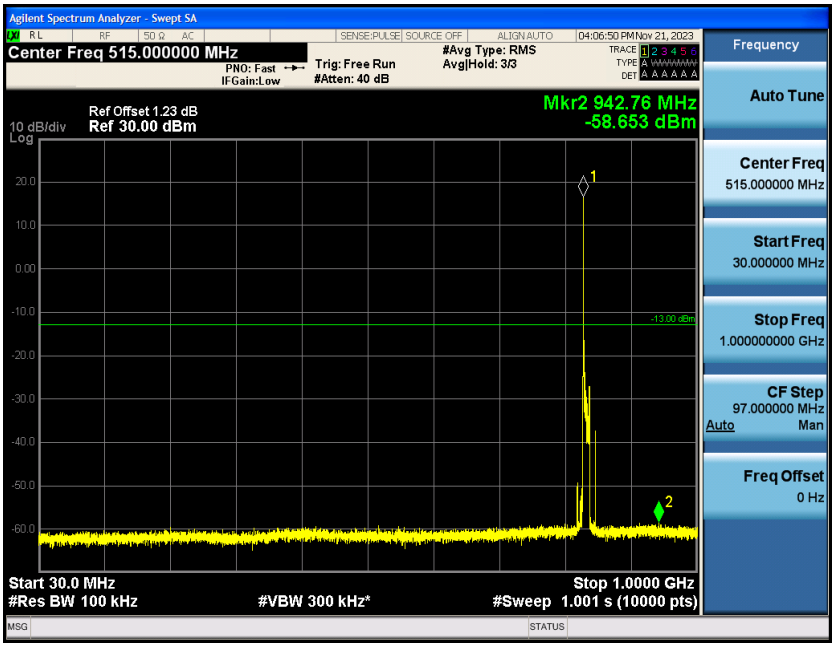
Band5-10MHz-16QAM-20450-1RB#0-Range1:30~1000MHz



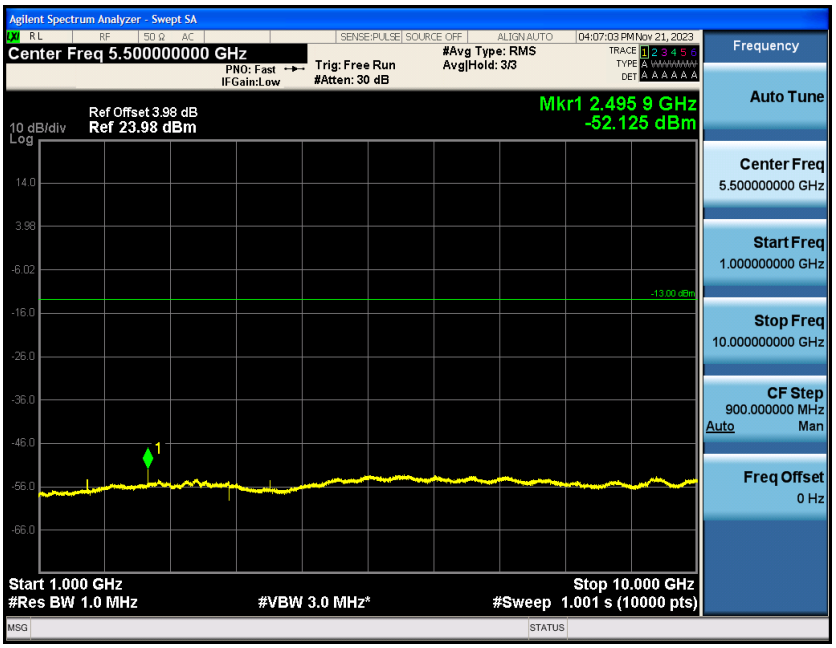
Band5-10MHz-16QAM-20450-1RB#0-Range2:1000~10000MHz



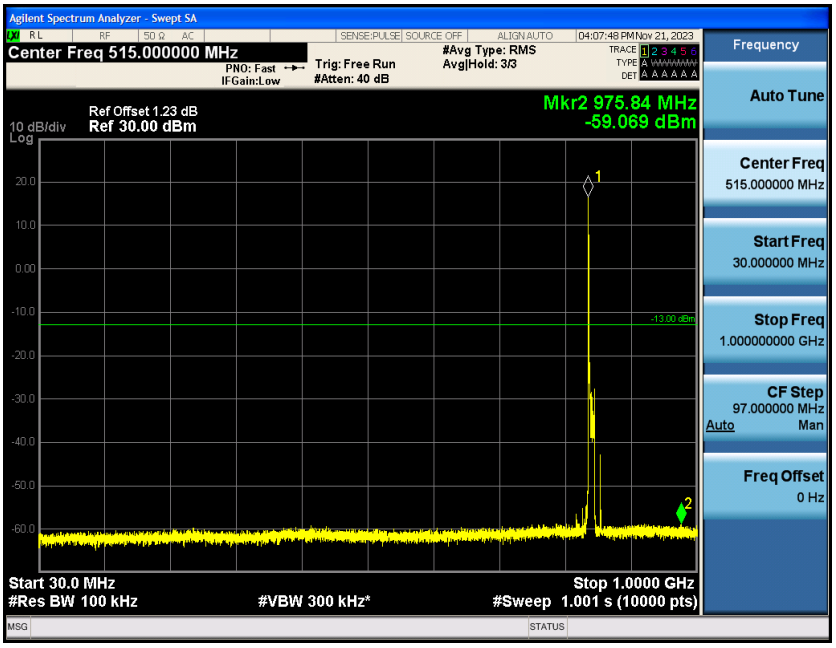
Band5-10MHz-16QAM-20525-1RB#0-Range1:30~1000MHz



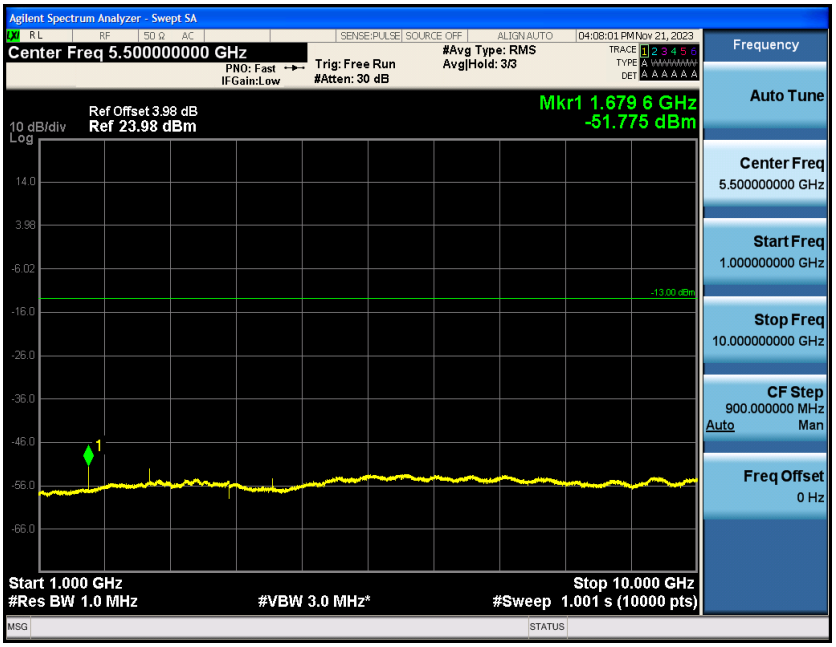
Band5-10MHz-16QAM-20525-1RB#0-Range2:1000~10000MHz



Band5-10MHz-16QAM-20600-1RB#0-Range1:30~1000MHz



Band5-10MHz-16QAM-20600-1RB#0-Range2:1000~10000MHz


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 3/3
04:08:01 PM Nov 21, 2023
Ref Offset 3.98 dB
10 dB/div
Log
Ref 23.98 dBm
Mkr1 1.679 6 GHz
-51.775 dBm
14.0
3.98
-6.02
-16.0
-26.0
-36.0
-46.0
-56.0
-66.0
-13.00 dBm
Start 1.000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 10.000 GHz
#Sweep 1.001 s (10000 pts)
Frequency
Auto Tune
Center Freq
5.500000000 GHz
Start Freq
1.000000000 GHz
Stop Freq
10.000000000 GHz
CF Step
900.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	VL	NT	-12.78	-0.015496	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	VN	NT	-10.67	-0.012942	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	VH	NT	-20.79	-0.025215	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	VL	NT	-9.93	-0.011872	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	VN	NT	4.46	0.005337	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	VH	NT	-17.14	-0.020486	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	VL	NT	-16.75	-0.019751	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	VN	NT	-10.46	-0.012330	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	VH	NT	-31.54	-0.037179	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	VL	NT	-13.68	-0.016587	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	VN	NT	-11.68	-0.014161	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	VH	NT	-14.91	-0.018075	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	VL	NT	2.35	0.002808	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	VN	NT	-12.07	-0.014429	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	VH	NT	7.14	0.008540	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	VL	NT	4.41	0.005200	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	VN	NT	-5.11	-0.006026	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	VH	NT	-0.91	-0.001068	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	VL	NT	-25.17	-0.030490	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	VN	NT	-7.28	-0.008813	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	VH	NT	-42.32	-0.051262	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	VL	NT	-15.60	-0.018654	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	VN	NT	-6.73	-0.008046	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	VH	NT	-24.39	-0.029153	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	VL	NT	-19.79	-0.023351	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	VN	NT	-14.11	-0.016647	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	VH	NT	-26.67	-0.031465	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	VL	NT	-30.02	-0.036369	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	VN	NT	-30.31	-0.036713	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	VH	NT	-41.89	-0.050750	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	VL	NT	-14.22	-0.017002	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	VN	NT	-20.91	-0.024997	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	VH	NT	-14.06	-0.016814	±2.5	PASS

Band5	3MHz	16QAM	20635	15RB#0	VL	NT	-33.00	-0.038939	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	VN	NT	-41.48	-0.048949	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	VH	NT	-37.97	-0.044797	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	VL	NT	-25.30	-0.030607	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	VN	NT	-10.62	-0.012846	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	VH	NT	-26.09	-0.031565	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	VL	NT	-7.38	-0.008822	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	VN	NT	-2.54	-0.003038	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	VH	NT	-12.24	-0.014629	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	VL	NT	-15.51	-0.018327	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	VN	NT	-11.04	-0.013044	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	VH	NT	-14.99	-0.017708	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	VL	NT	-41.69	-0.050438	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	VN	NT	-39.79	-0.048137	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	VH	NT	-29.88	-0.036153	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	VL	NT	-29.51	-0.035280	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	VN	NT	-42.68	-0.051027	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	VH	NT	-20.21	-0.024161	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	VL	NT	0.44	0.000521	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	VN	NT	-13.72	-0.016205	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	VH	NT	1.21	0.001430	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	VL	NT	-8.83	-0.010648	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	VN	NT	-33.18	-0.040024	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	VH	NT	-47.24	-0.056982	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VL	NT	-10.80	-0.012915	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VN	NT	3.23	0.003863	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	-27.07	-0.032357	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VL	NT	-18.70	-0.022157	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VN	NT	4.39	0.005198	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VH	NT	-30.55	-0.036196	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VL	NT	-6.52	-0.007861	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VN	NT	-36.18	-0.043649	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VH	NT	-18.19	-0.021942	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VL	NT	-36.71	-0.043884	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VN	NT	-39.54	-0.047274	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VH	NT	-37.58	-0.044926	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VL	NT	-44.72	-0.052983	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VN	NT	-44.54	-0.052771	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VH	NT	-49.46	-0.058600	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	NV	-30	-27.74	-0.033634	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	-20	-33.68	-0.040843	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	0	-36.90	-0.044745	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	10	-47.71	-0.057854	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	20	-16.68	-0.020222	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	-30	-27.92	-0.033382	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	-20	-32.42	-0.038759	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	0	-33.14	-0.039617	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	10	-38.49	-0.046012	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	20	-5.92	-0.007081	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	-30	-39.24	-0.046259	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	-20	-49.36	-0.058190	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	0	-20.18	-0.023788	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	10	-31.51	-0.037144	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	20	-43.96	-0.051817	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	-30	-7.50	-0.009092	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	-20	-15.12	-0.018333	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	0	-12.37	-0.015000	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	10	-17.90	-0.021705	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	20	-12.71	-0.015413	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	-30	2.33	0.002782	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	-20	9.25	0.011055	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	0	13.76	0.016448	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	10	12.20	0.014582	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	20	10.44	0.012485	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	-30	3.91	0.004605	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	-20	7.41	0.008735	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	0	3.09	0.003643	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	10	-15.76	-0.018582	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	20	-18.11	-0.021351	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	-30	-13.09	-0.015860	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	-20	-29.81	-0.036117	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	0	-35.44	-0.042931	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	10	-56.61	-0.068582	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	20	-17.54	-0.021245	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	-30	-27.52	-0.032902	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	-20	-43.21	-0.051659	±2.5	PASS

Band5	3MHz	QPSK	20525	15RB#0	NV	0	-50.77	-0.060692	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	10	-50.28	-0.060109	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	20	-12.67	-0.015141	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	-30	-40.71	-0.048035	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	-20	-11.24	-0.013259	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	0	-14.18	-0.016734	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	10	-14.78	-0.017437	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	20	-29.41	-0.034704	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	-30	-44.77	-0.054228	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	-20	-53.49	-0.064794	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	0	-24.56	-0.029752	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	10	-21.62	-0.026186	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	20	-20.56	-0.024907	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	-30	-17.30	-0.020683	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	-20	-7.05	-0.008423	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	0	-18.92	-0.022620	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	10	-18.85	-0.022531	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	20	-15.38	-0.018381	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	-30	-34.39	-0.040574	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	-20	-29.53	-0.034841	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	0	-26.53	-0.031301	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	10	-38.70	-0.045660	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	20	-33.64	-0.039692	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	-30	-38.30	-0.046338	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	-20	-48.80	-0.059041	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	0	-12.68	-0.015340	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	10	-29.28	-0.035422	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	20	-39.70	-0.048031	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	-30	-24.47	-0.029252	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	-20	-28.47	-0.034039	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	0	-30.27	-0.036191	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	10	-35.07	-0.041923	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	20	-39.45	-0.047164	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	-30	-21.51	-0.025410	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	-20	-29.31	-0.034626	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	0	-37.83	-0.044689	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	10	-38.77	-0.045803	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	20	-52.18	-0.061646	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	-30	-25.69	-0.031086	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	-20	-35.15	-0.042533	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	0	-30.01	-0.036305	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	10	-26.32	-0.031848	±2.5	PASS

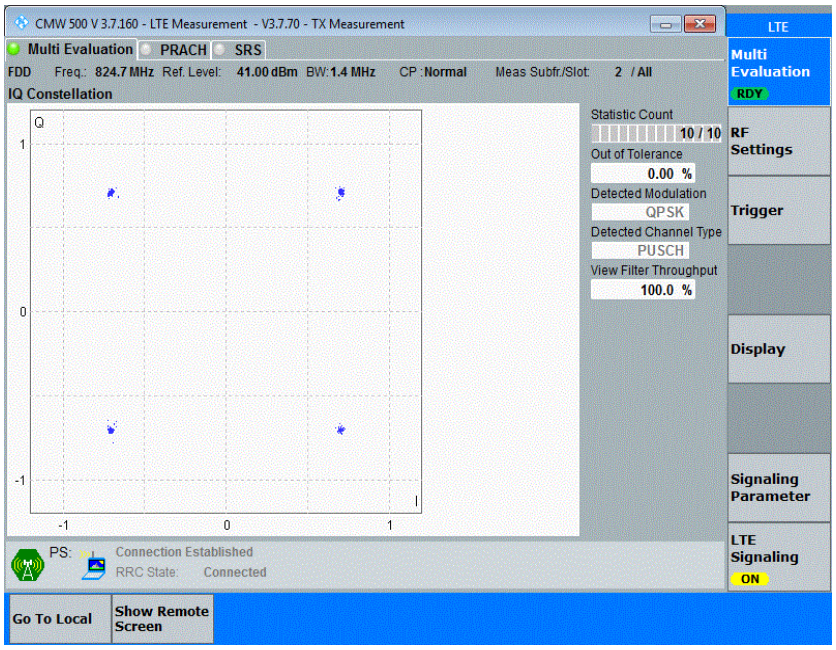
Band5	5MHz	16QAM	20425	25RB#0	NV	20	-21.72	-0.026274	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	-30	-8.16	-0.009758	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	-20	-12.55	-0.014997	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	0	10.56	0.012618	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	10	12.24	0.014630	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	20	13.52	0.016161	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	-30	15.21	0.017972	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	-20	12.83	0.015156	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	0	25.81	0.030495	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	10	19.88	0.023484	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	20	27.68	0.032695	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-30	-30.25	-0.036492	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-20	-3.84	-0.004629	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	0	-25.64	-0.030930	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	10	-39.17	-0.047248	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	20	-27.66	-0.033365	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-30	-34.59	-0.041356	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	-52.24	-0.062449	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	-15.70	-0.018769	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	-22.73	-0.027176	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	-38.20	-0.045670	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-30	-35.86	-0.042484	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-20	-54.15	-0.064154	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	0	-7.00	-0.008291	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	10	-25.36	-0.030051	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	20	-31.13	-0.036881	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	-30	-27.86	-0.033610	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	-20	-46.65	-0.056277	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	0	0.42	0.000511	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	10	-9.54	-0.011507	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	20	-16.04	-0.019347	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	-30	-42.52	-0.050836	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	-20	-3.33	-0.003979	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	0	0.61	0.000733	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	10	5.10	0.006096	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	20	1.44	0.001727	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	-30	-50.91	-0.060320	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	-20	-19.43	-0.023025	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	0	-15.91	-0.018857	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	10	-13.14	-0.015572	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	20	-9.38	-0.011116	±2.5	PASS

Appendix G: Modulation Characteristics

Test Result

Band	Channel	Result	Verdict
Band5	20407	PASS	PASS
Band5	20525	PASS	PASS
Band5	20643	PASS	PASS
Band5	20407	PASS	PASS
Band5	20525	PASS	PASS
Band5	20643	PASS	PASS
Band5	20415	PASS	PASS
Band5	20525	PASS	PASS
Band5	20635	PASS	PASS
Band5	20415	PASS	PASS
Band5	20525	PASS	PASS
Band5	20635	PASS	PASS
Band5	20425	PASS	PASS
Band5	20525	PASS	PASS
Band5	20625	PASS	PASS
Band5	20425	PASS	PASS
Band5	20525	PASS	PASS
Band5	20625	PASS	PASS
Band5	20450	PASS	PASS
Band5	20525	PASS	PASS
Band5	20600	PASS	PASS
Band5	20450	PASS	PASS
Band5	20525	PASS	PASS
Band5	20600	PASS	PASS

Test Graphs

Band5-1.4MHz-QPSK-20407-6RB#0

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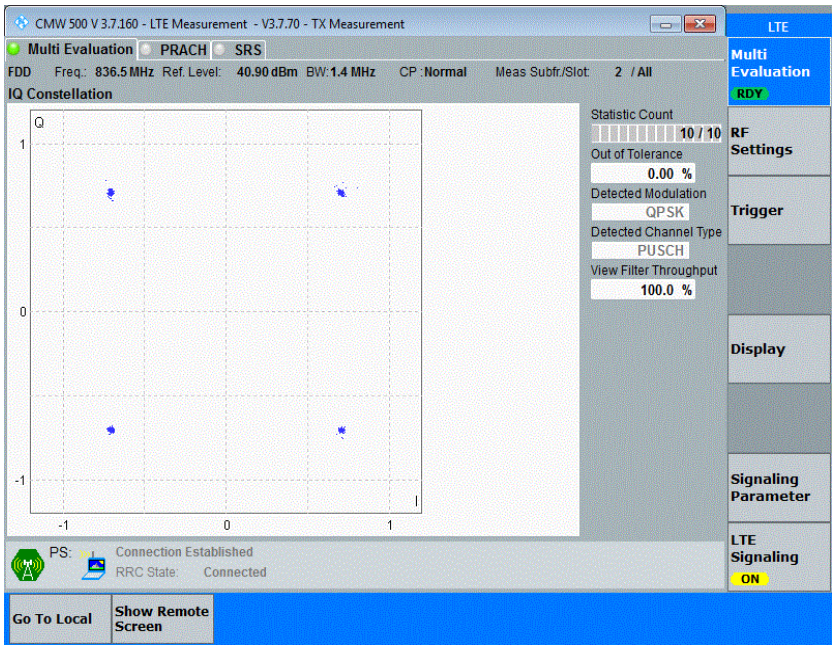
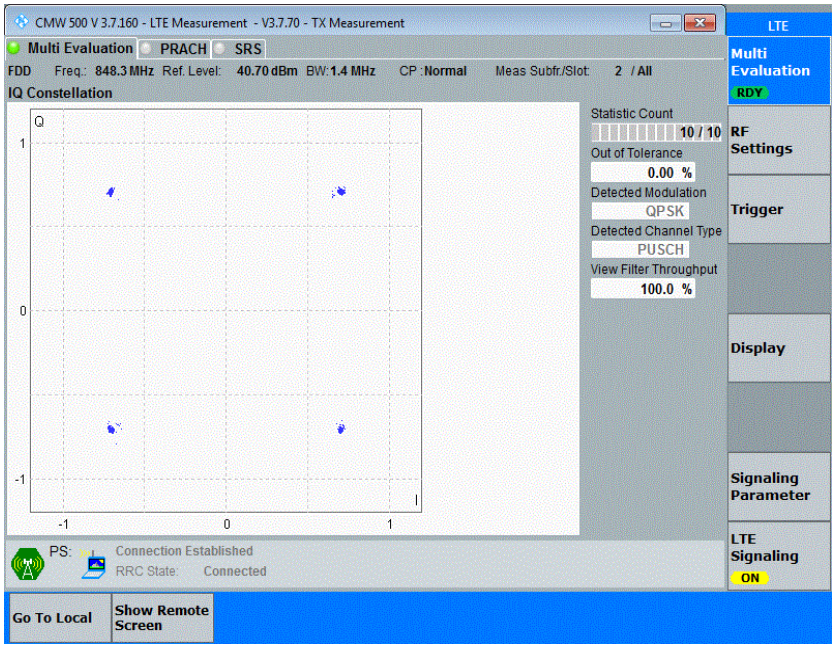

Band5-1.4MHz-QPSK-20643-6RB#0



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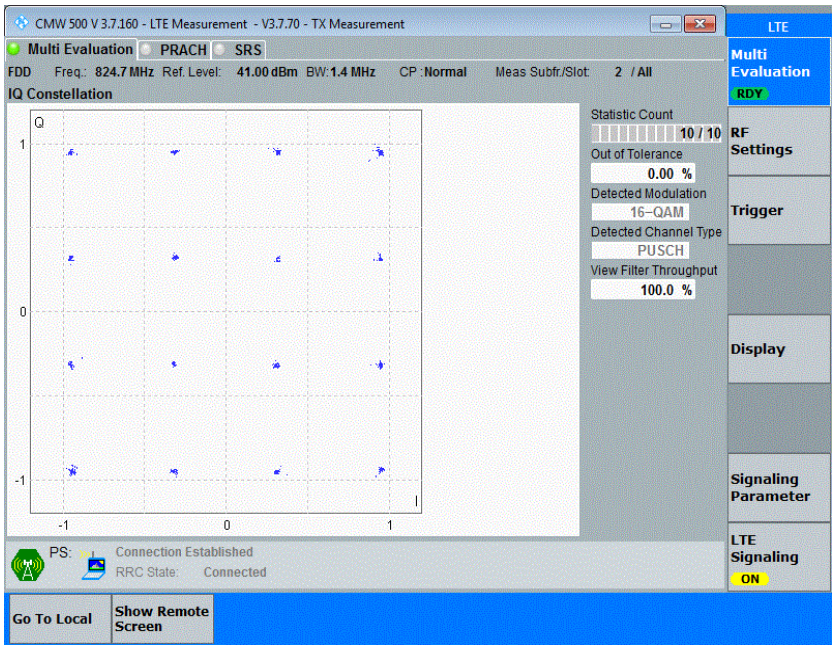

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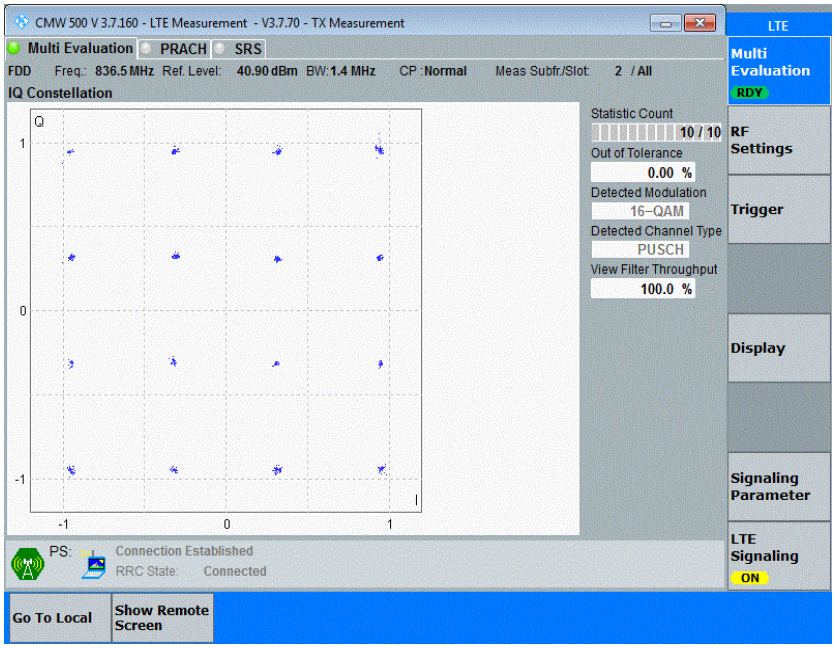

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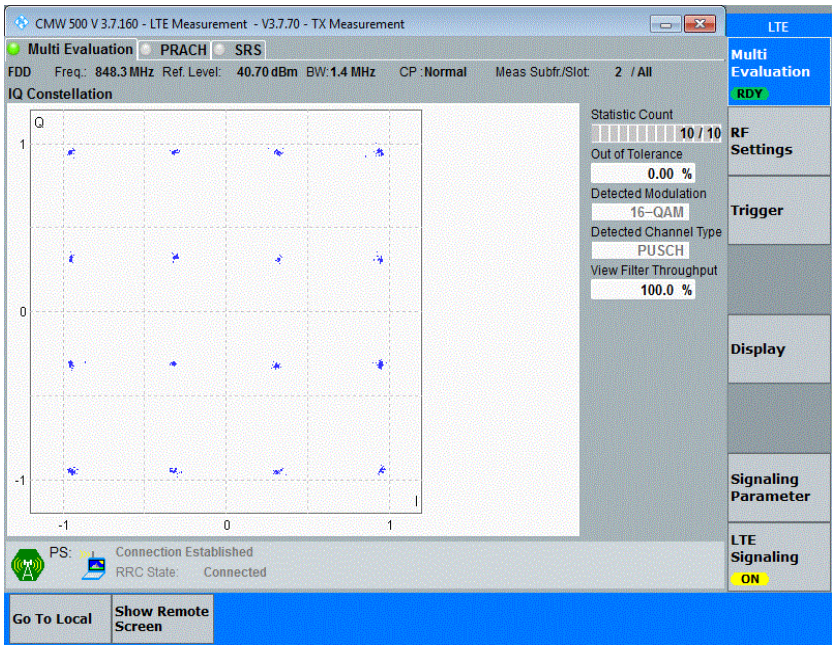
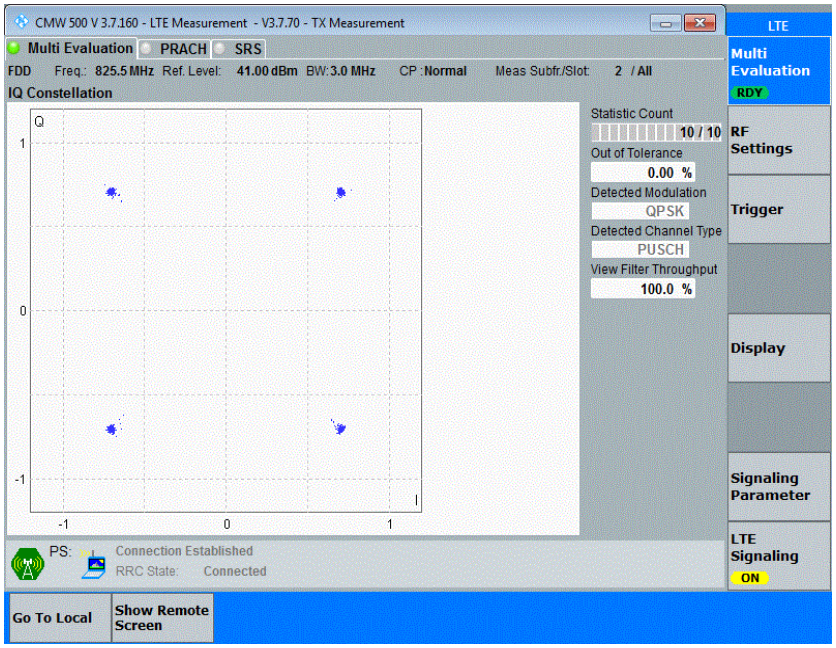


Band5-3MHz-QPSK-20415-15RB#0



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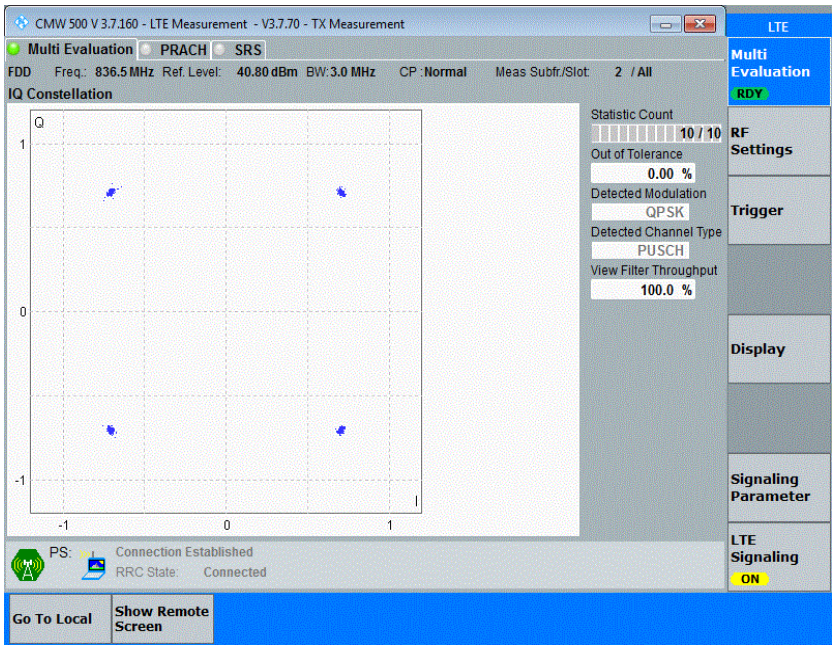

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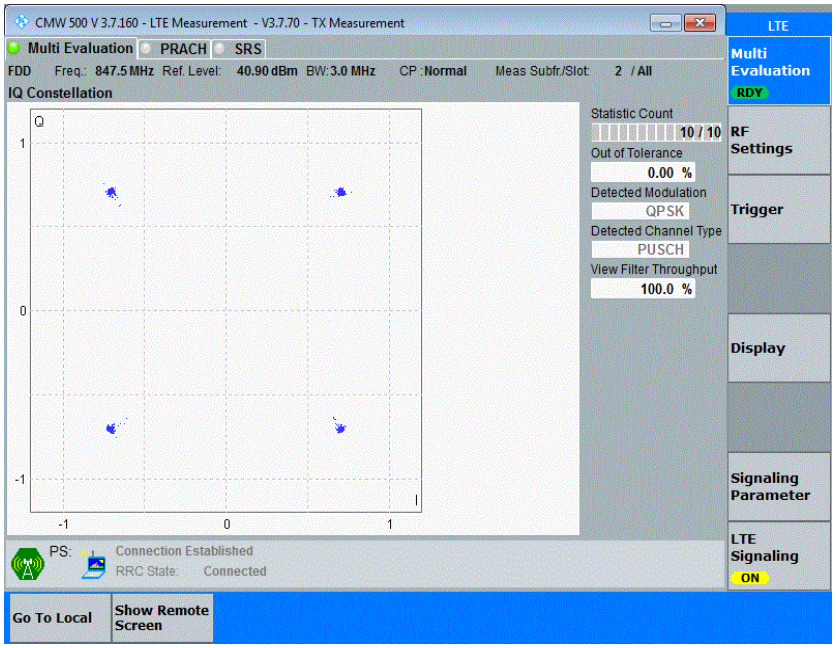

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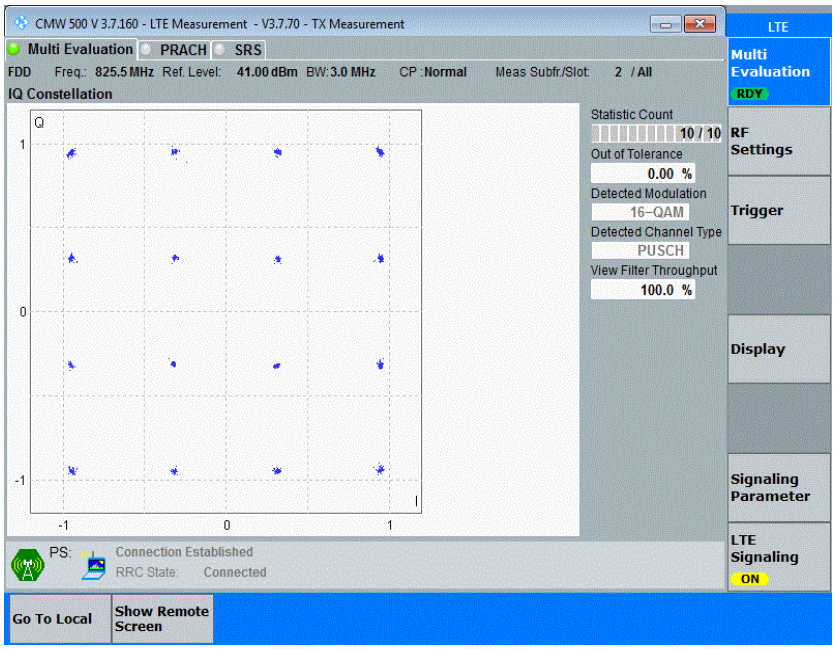

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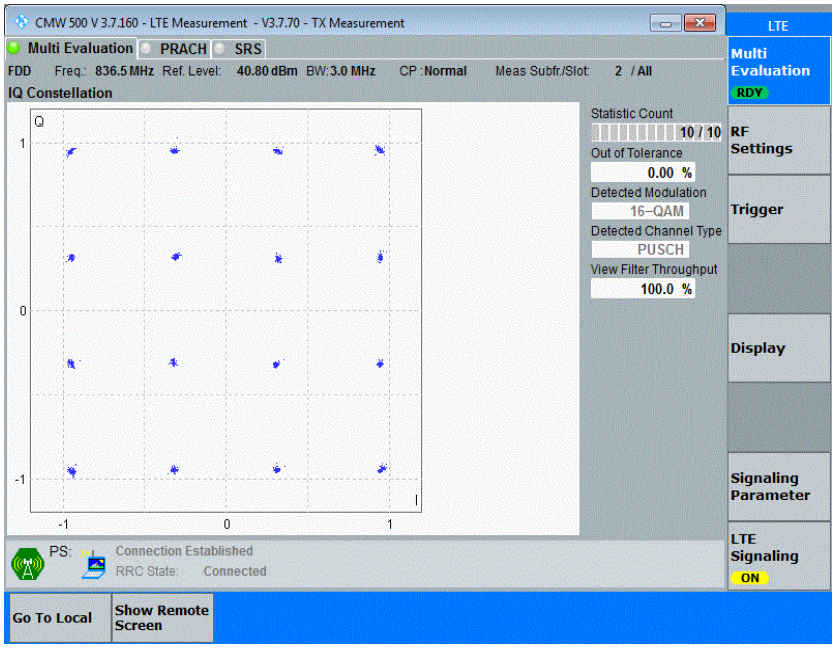

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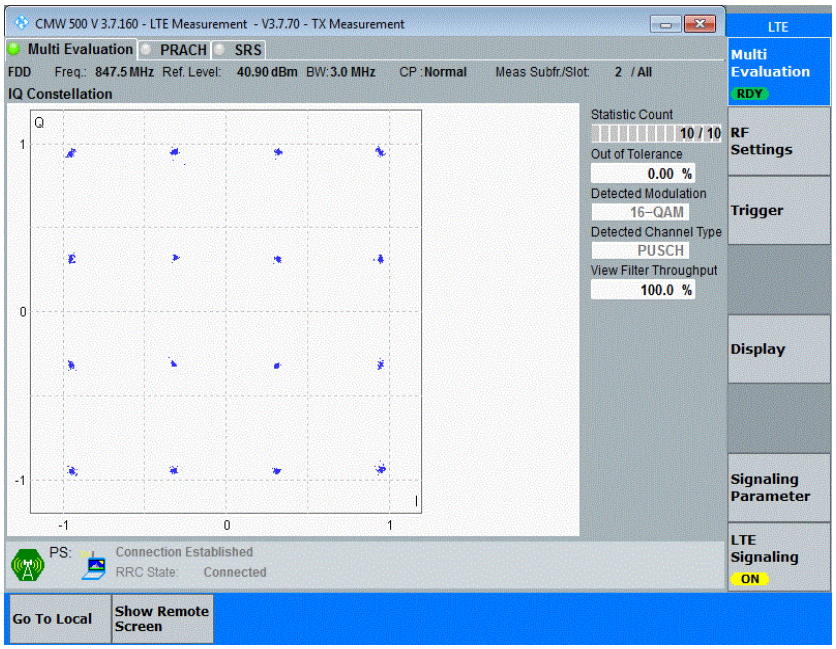

Band5-5MHz-QPSK-20425-25RB#0