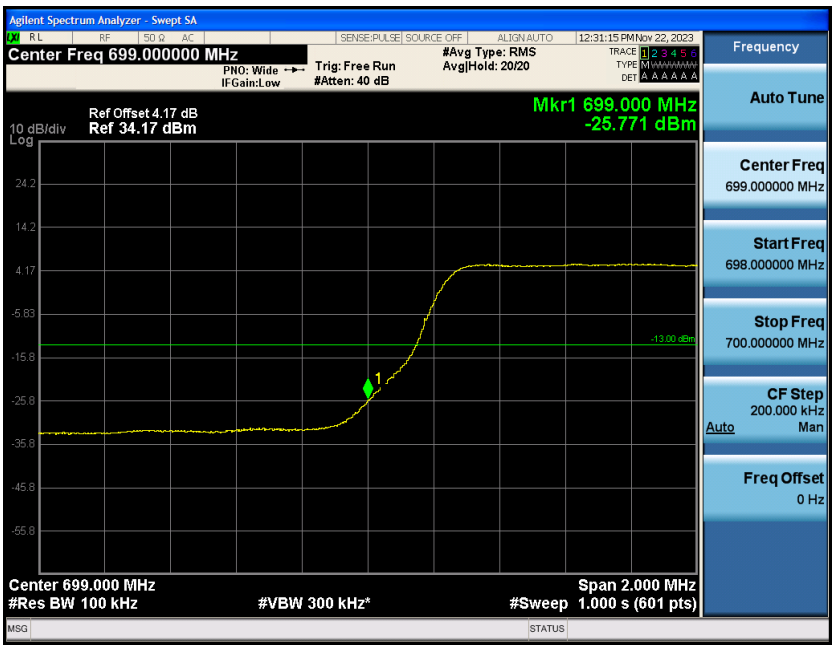
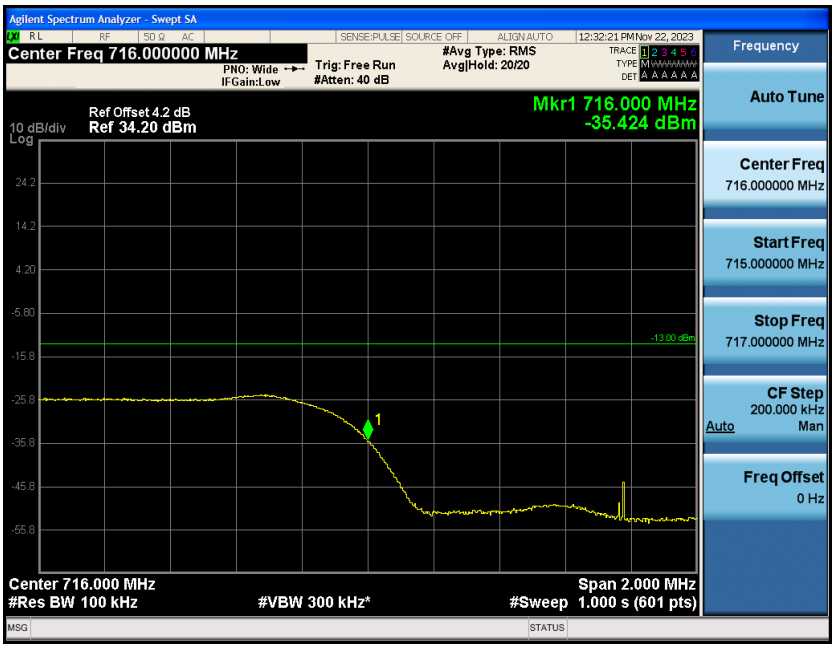
Band12-5MHz-16QAM-23035-25RB#0



Band12-5MHz-16QAM-23155-1RB#0



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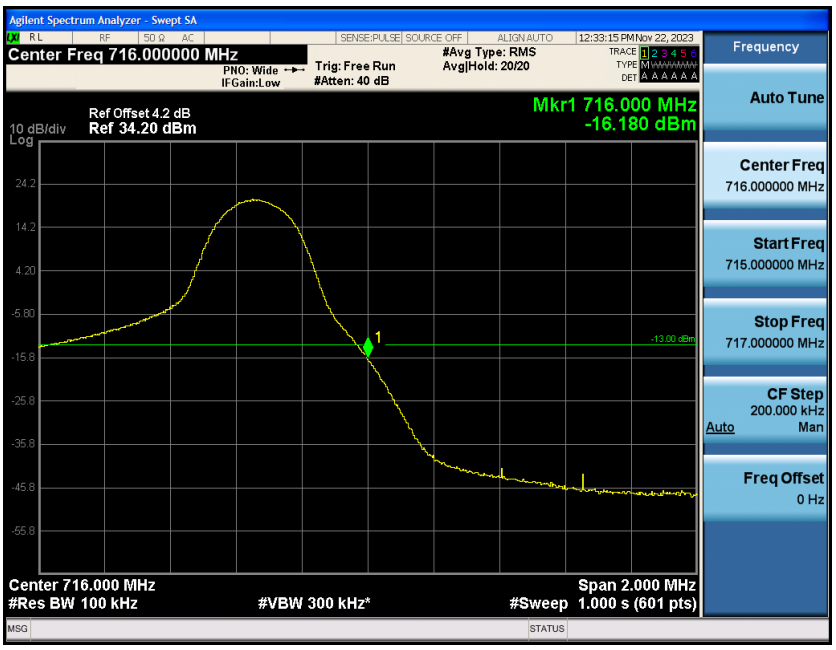
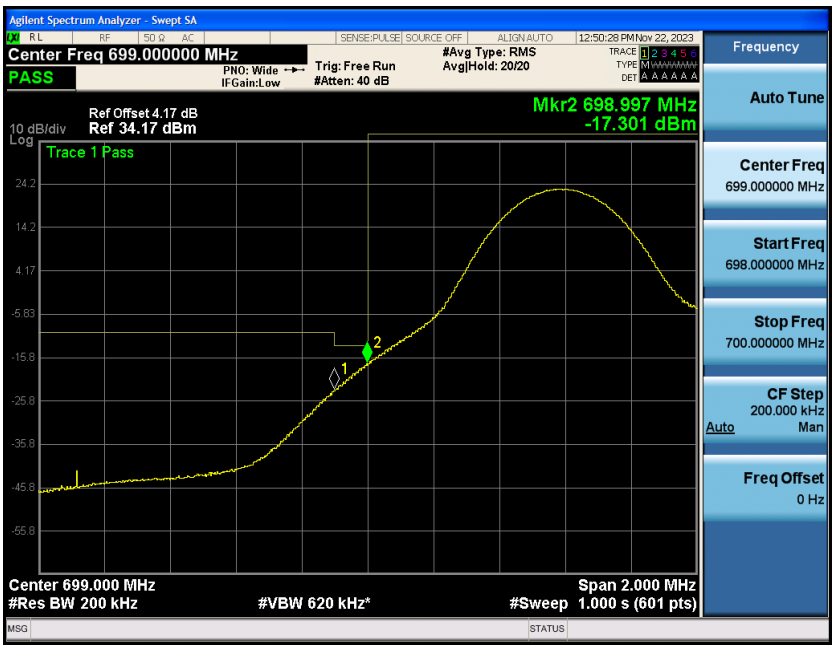


Band12-5MHz-16QAM-23155-25RB#0

Band12-10MHz-QPSK-23060-1RB#0



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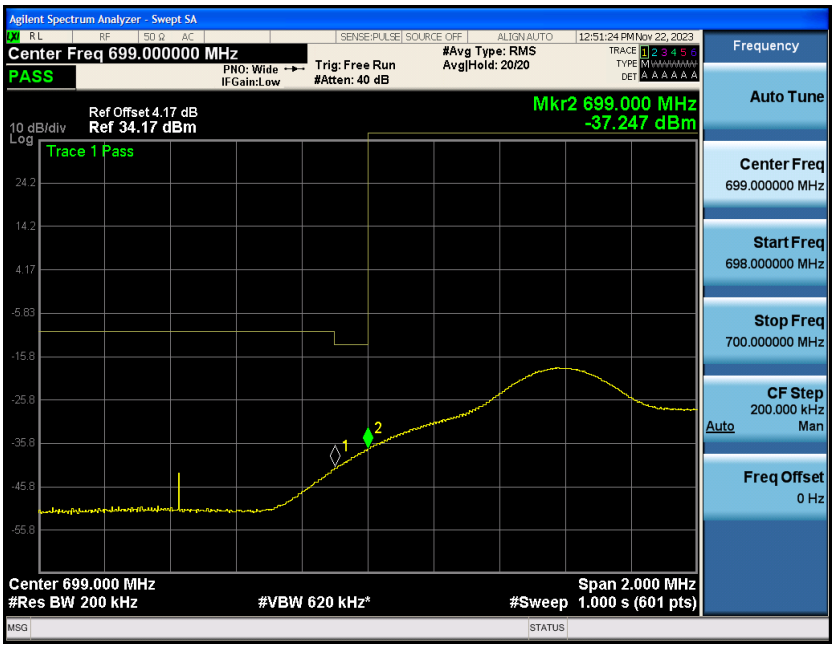
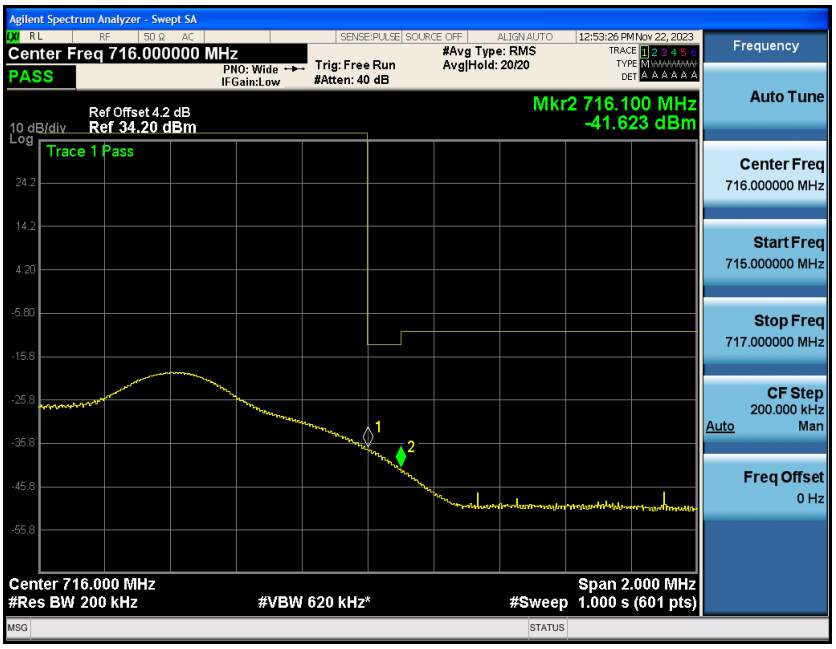
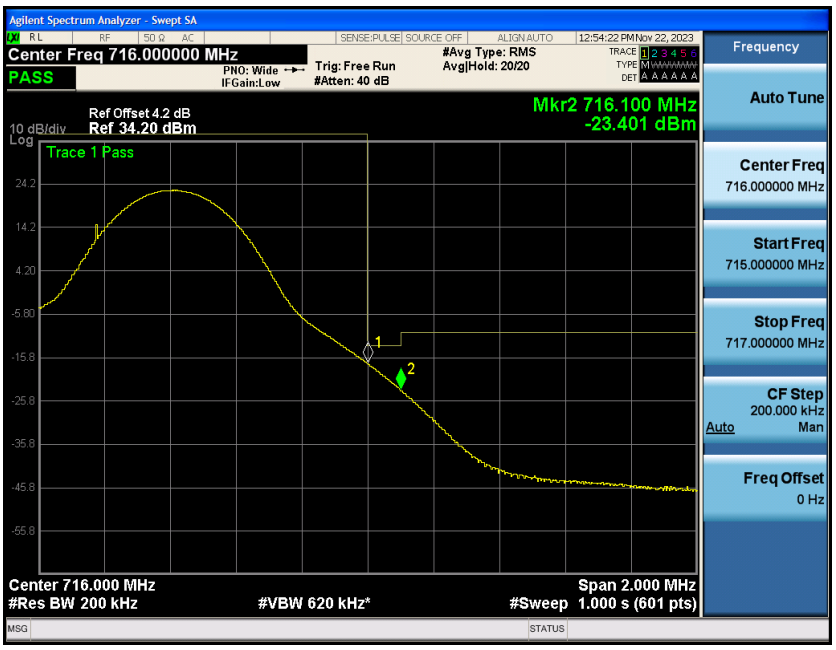


Band12-10MHz-QPSK-23060-50RB#0

Band12-10MHz-QPSK-23130-1RB#0



Band12-10MHz-QPSK-23130-1RB#49



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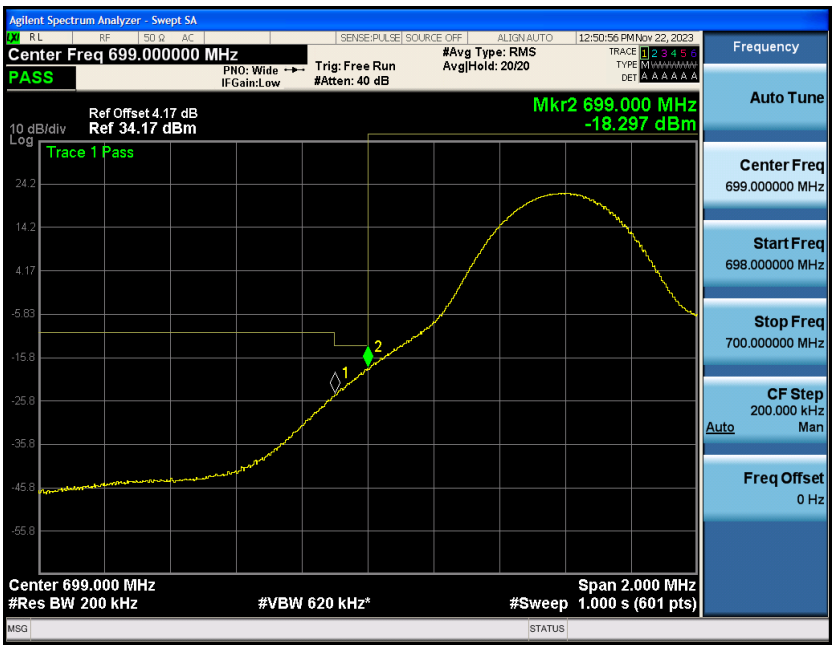

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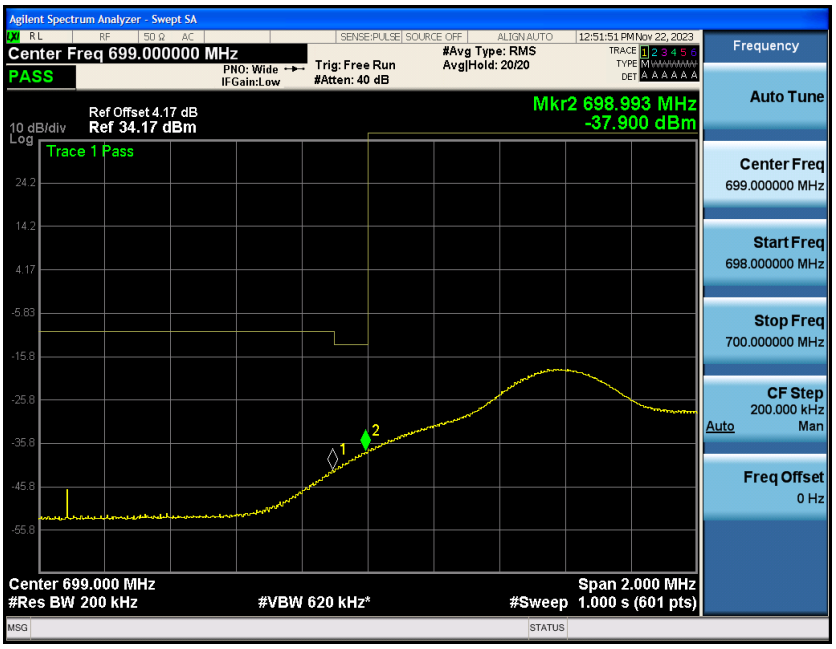

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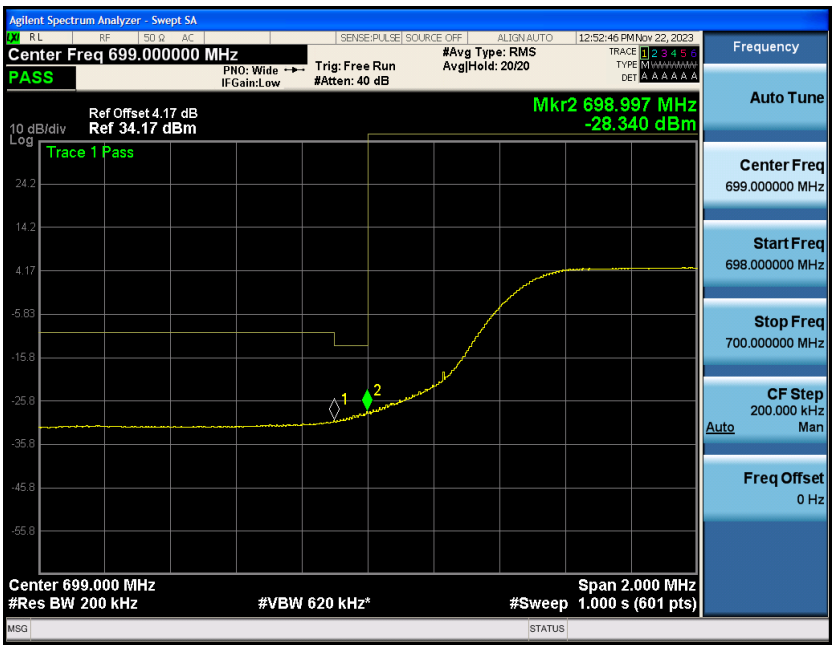
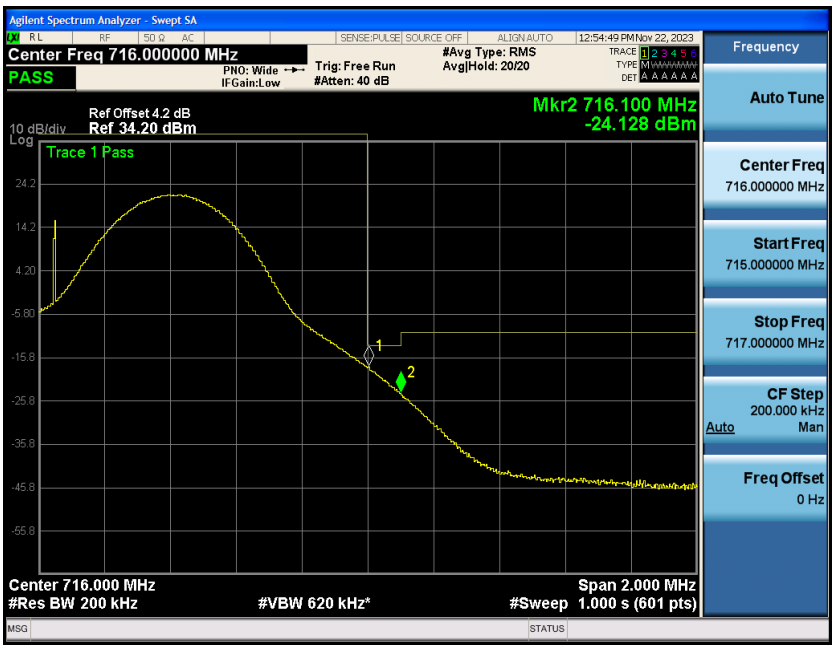


Band12-10MHz-16QAM-23130-1RB#0

Band12-10MHz-16QAM-23130-1RB#49



Band12-10MHz-16QAM-23130-50RB#0

Agilent Spectrum Analyzer - Swept SA
Center Freq 716.000000 MHz
PASS
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 40 dB
#Avg Type: RMS
Avg|Hold: 20/20
12:55:44 PM Nov 22, 2023
Ref Offset 4.2 dB
10 dB/div
Ref 34.20 dBm
Log
Trace 1 Pass
Mkr2 716.100 MHz
-30.748 dBm
Center 716.000 MHz
#Res BW 200 kHz
#VBW 620 kHz*
Span 2.000 MHz
#Sweep 1.000 s (601 pts)
Frequency
Auto Tune
Center Freq
716.000000 MHz
Start Freq
715.000000 MHz
Stop Freq
717.000000 MHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz

Appendix E: Conducted Spurious Emission

Test Result

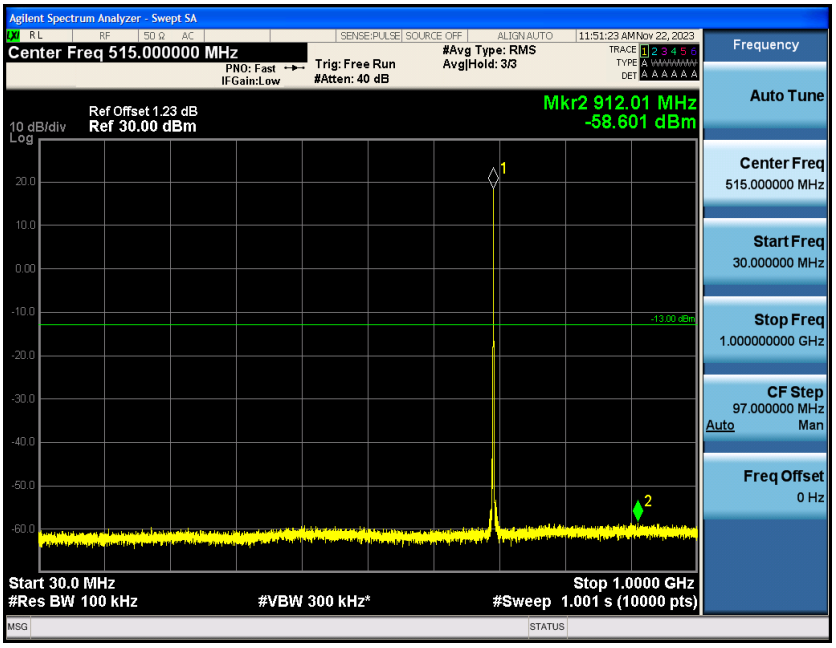
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	Range1:30~1000MHz	-58.6	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range2:1000~10000MHz	-43.82	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-58.4	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-41.04	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range1:30~1000MHz	-58.7	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range2:1000~10000MHz	-45.29	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range1:30~1000MHz	-58.45	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range2:1000~10000MHz	-44.65	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-58.72	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-41.89	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range1:30~1000MHz	-58.76	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range2:1000~10000MHz	-48.23	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range1:30~1000MHz	-58.64	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range2:1000~10000MHz	-44.06	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-58.45	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-41.25	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range1:30~1000MHz	-58.44	PASS
Band1	3MHz	QPSK	23165	1RB#0	Range2:1000~10000M	-44.0	PAS

2					Hz	3	S
Band12	3MHz	16QAM	23025	1RB#0	Range1:30~1000MHz	-58.69	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range2:1000~10000MHz	-44.53	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-58.56	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-43.11	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range1:30~1000MHz	-58.65	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range2:1000~10000MHz	-47.59	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range1:30~1000MHz	-58.69	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range2:1000~10000MHz	-43.23	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-58.64	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-41.32	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range1:30~1000MHz	-58.15	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range2:1000~10000MHz	-43.06	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range1:30~1000MHz	-58.47	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range2:1000~10000MHz	-45.27	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-58.8	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-42.46	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range1:30~1000MHz	-58.3	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range2:1000~10000MHz	-45.06	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range1:30~1000MHz	-58.86	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range2:1000~10000MHz	-44.66	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-58.42	PASS

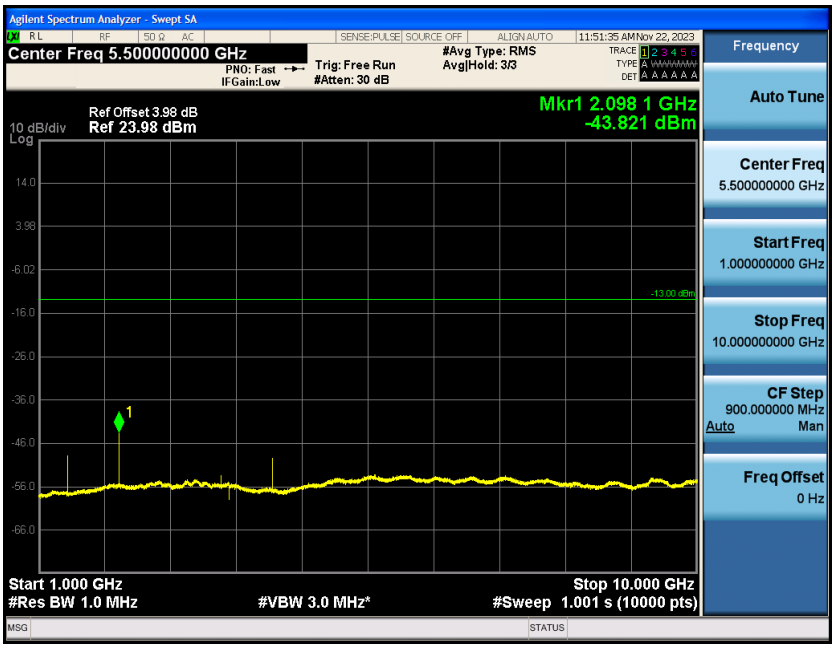
Band12	10MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-43.71	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range1:30~1000MHz	-58.36	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range2:1000~10000MHz	-41.02	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range1:30~1000MHz	-58.2	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range2:1000~10000MHz	-45.82	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-58.43	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-44.92	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range1:30~1000MHz	-58.46	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range2:1000~10000MHz	-42.57	PASS

Test Graphs

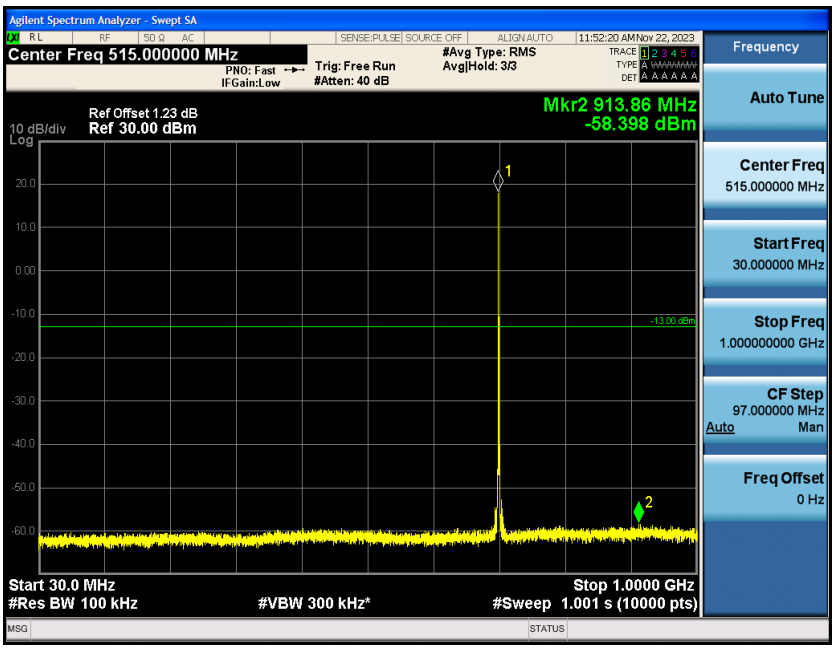
Band12-1.4MHz-QPSK-23017-1RB#0-Range1:30~1000MHz



Band12-1.4MHz-QPSK-23017-1RB#0-Range2:1000~10000MHz

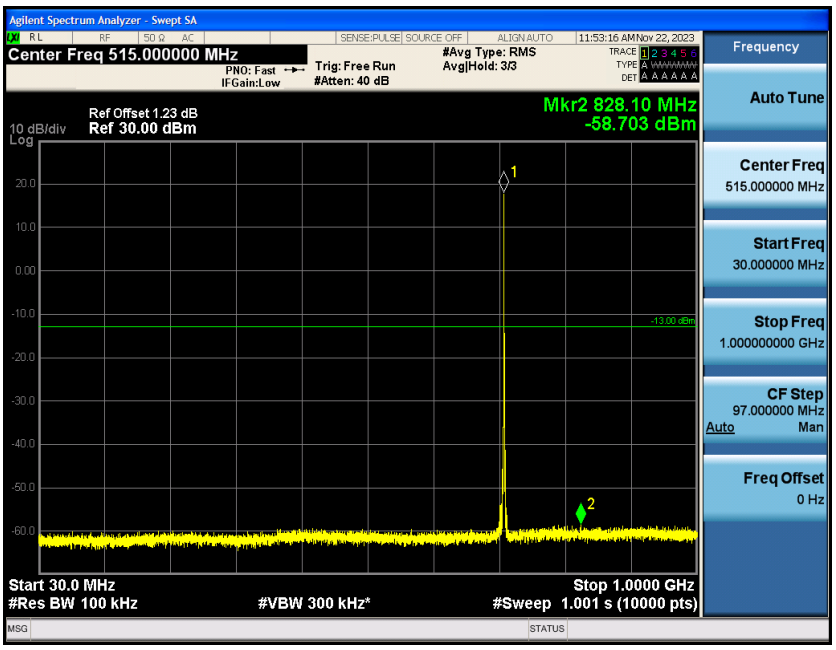


Band12-1.4MHz-QPSK-23095-1RB#0-Range1:30~1000MHz

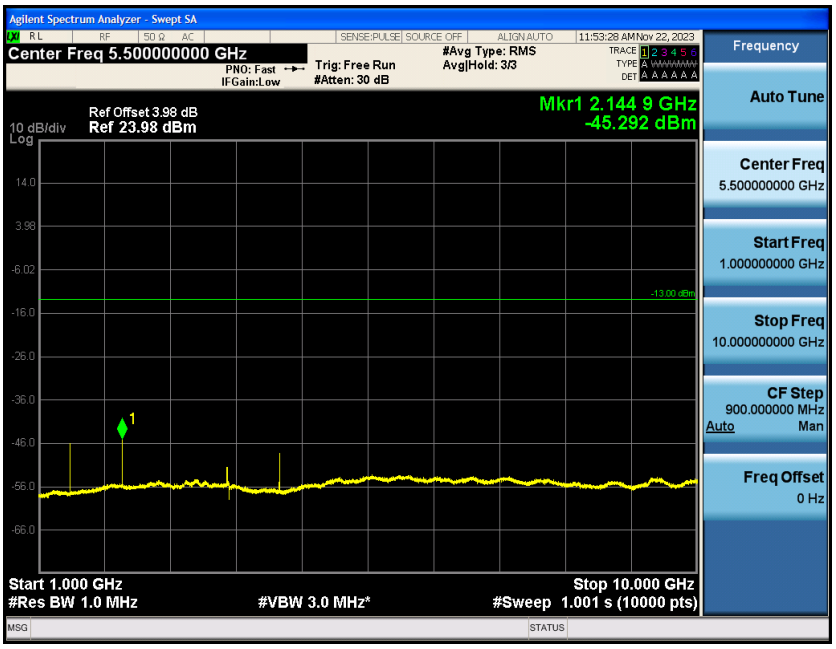


Band12-1.4MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz

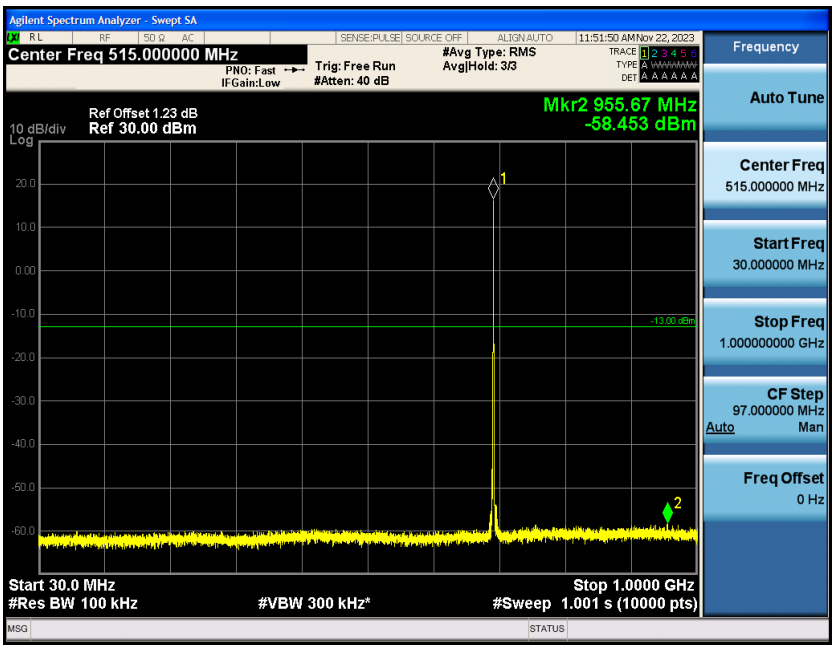
Band12-1.4MHz-QPSK-23173-1RB#0-Range1:30~1000MHz



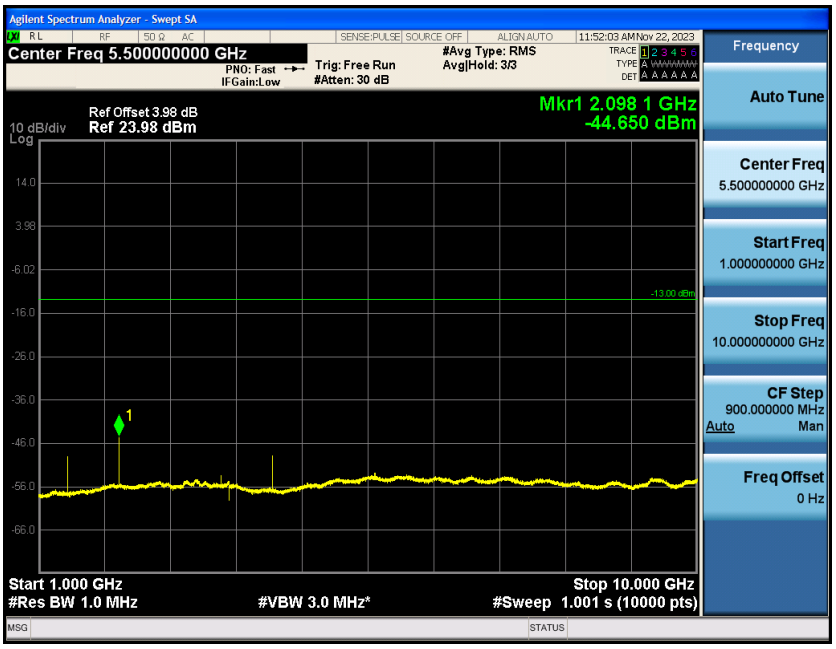
Band12-1.4MHz-QPSK-23173-1RB#0-Range2:1000~10000MHz



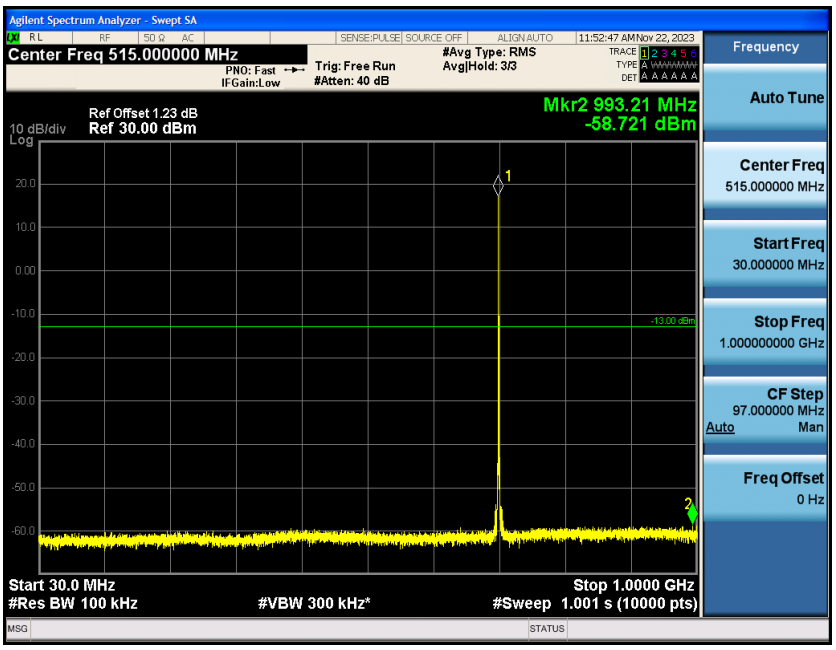
Band12-1.4MHz-16QAM-23017-1RB#0-Range1:30~1000MHz



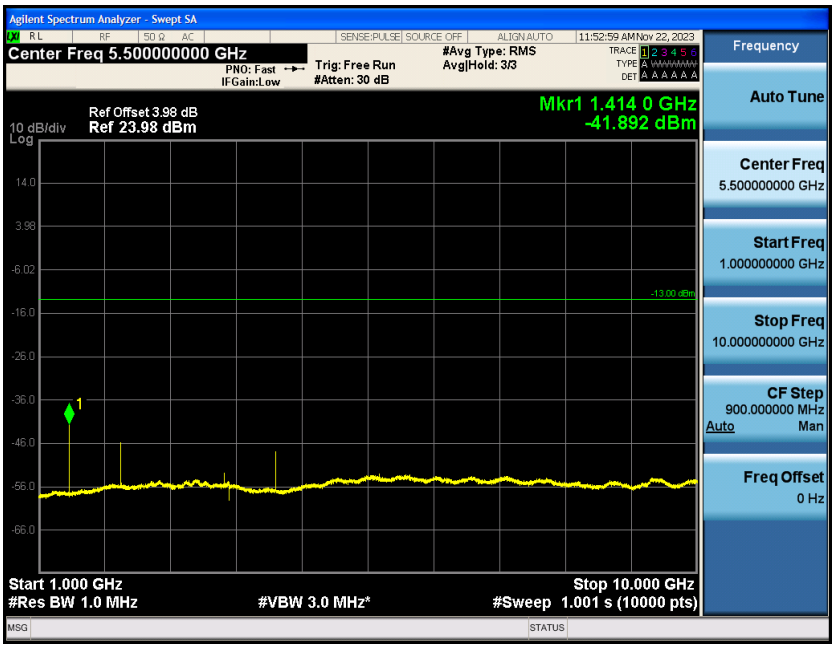
Band12-1.4MHz-16QAM-23017-1RB#0-Range2:1000~10000MHz



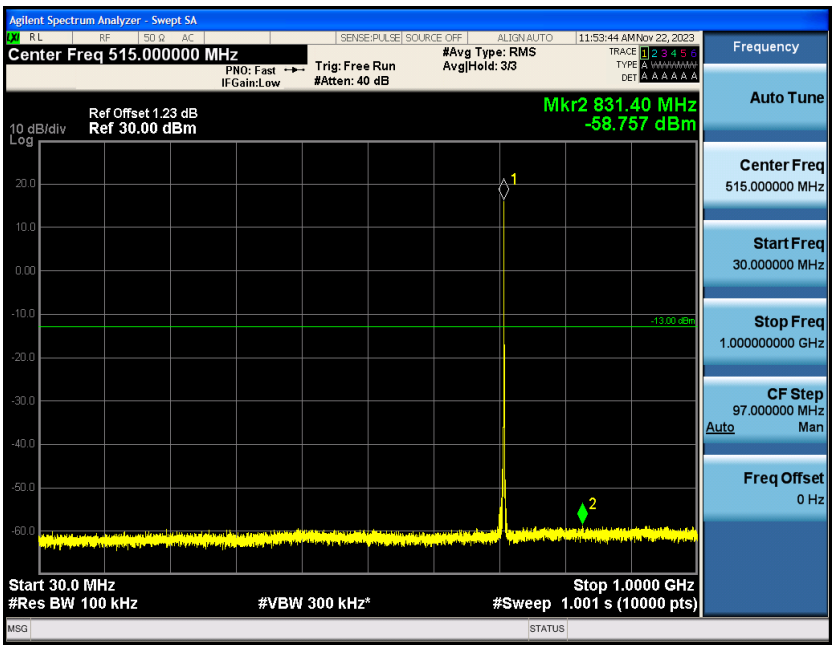
Band12-1.4MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



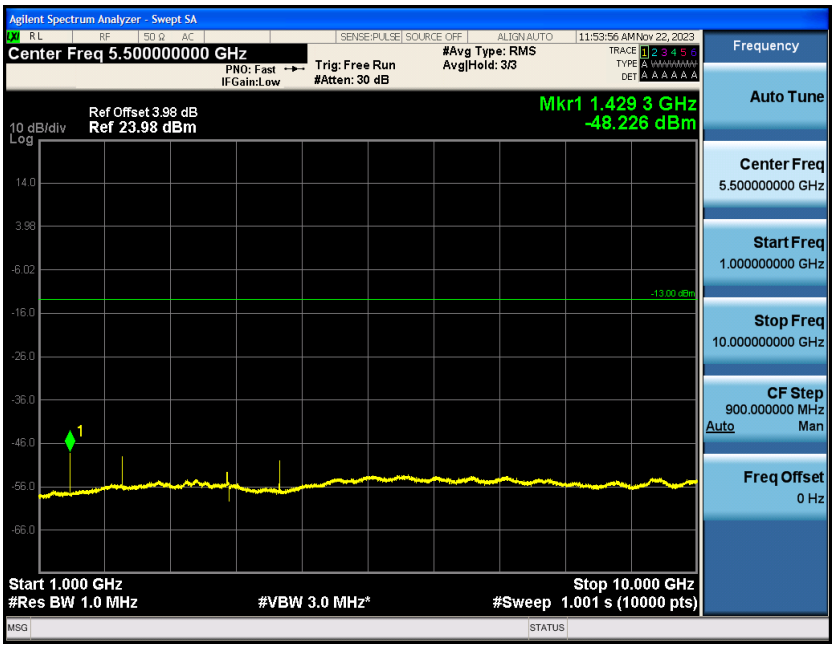
Band12-1.4MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz



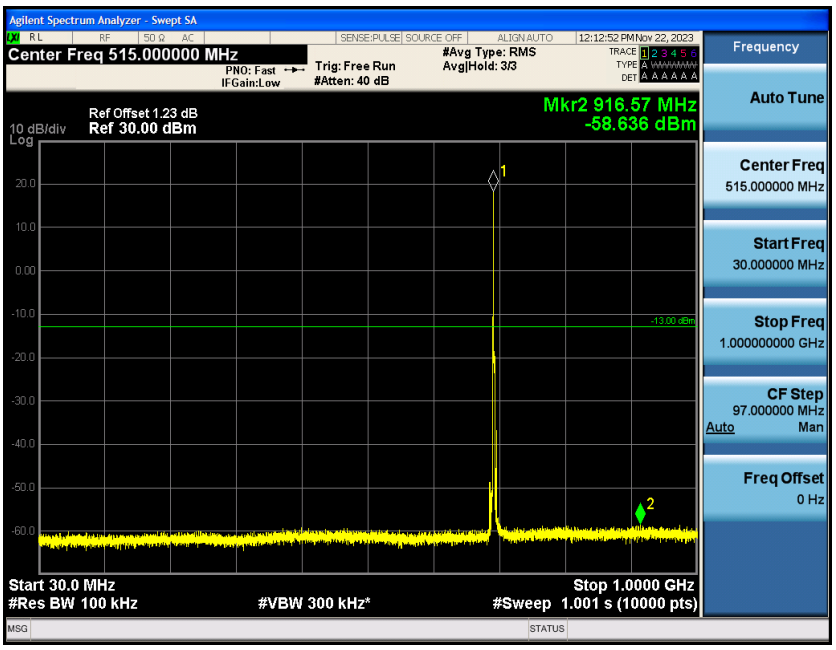
Band12-1.4MHz-16QAM-23173-1RB#0-Range1:30~1000MHz



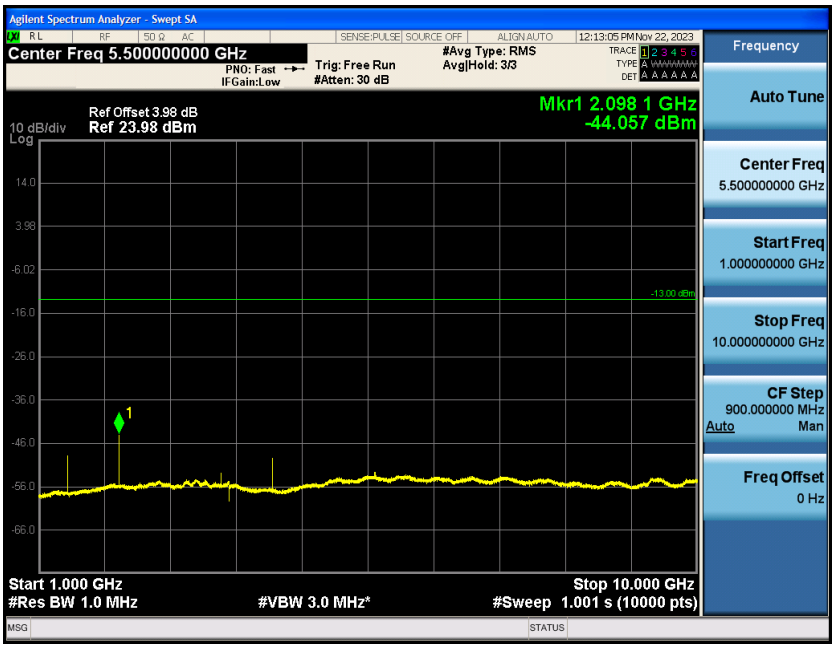
Band12-1.4MHz-16QAM-23173-1RB#0-Range2:1000~10000MHz



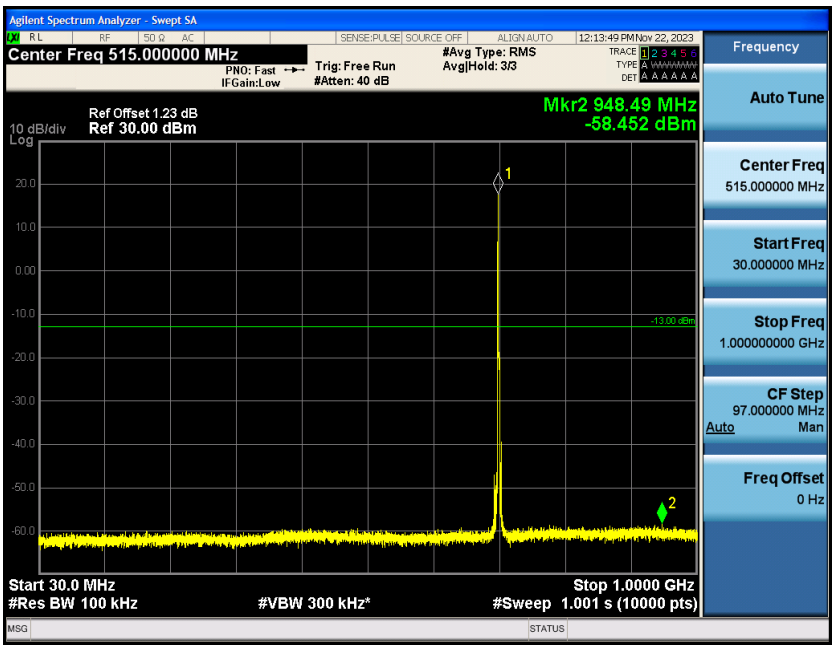
Band12-3MHz-QPSK-23025-1RB#0-Range1:30~1000MHz



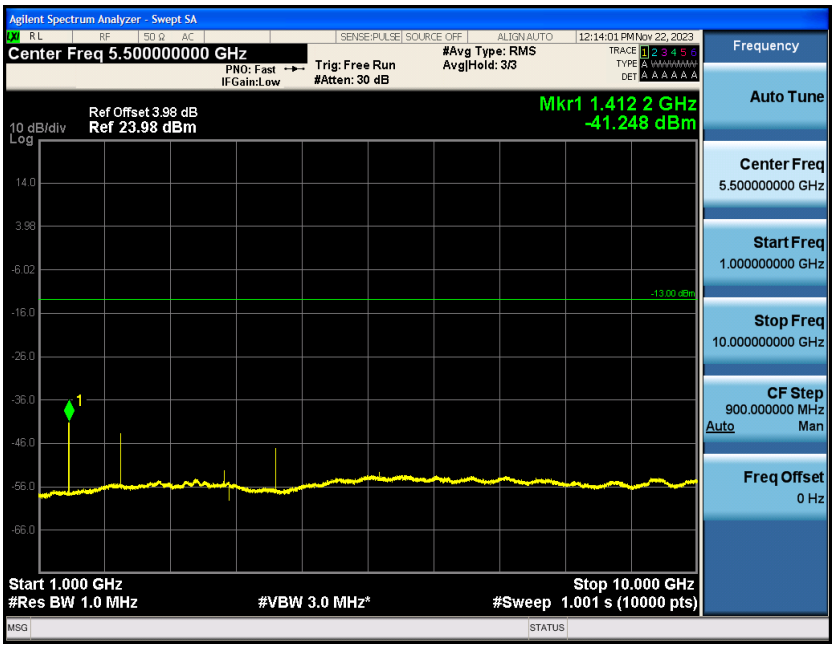
Band12-3MHz-QPSK-23025-1RB#0-Range2:1000~10000MHz



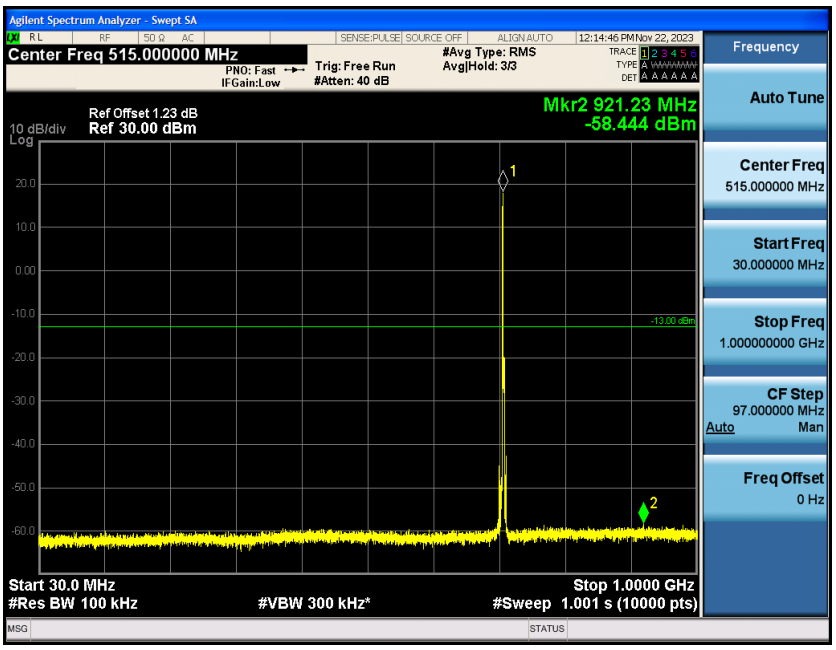
Band12-3MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



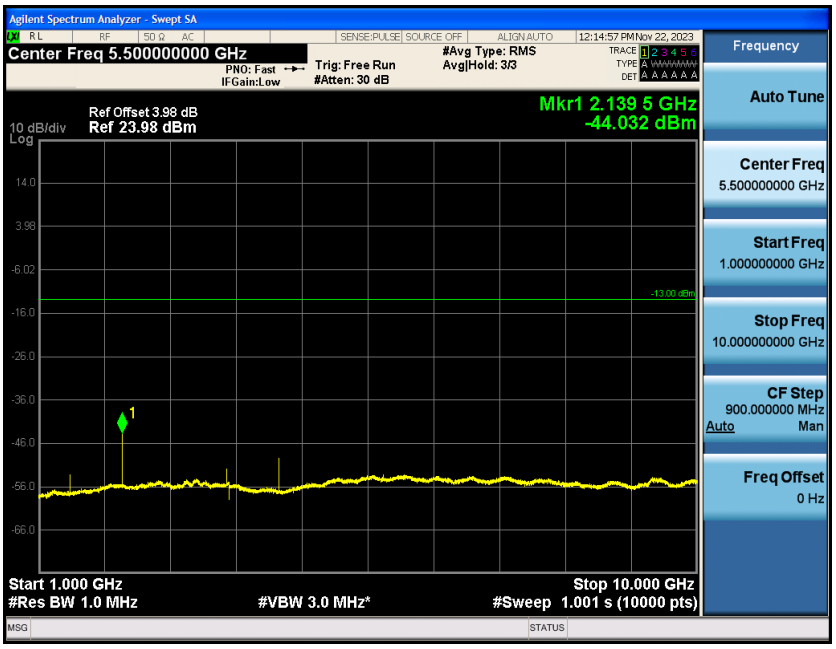
Band12-3MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz



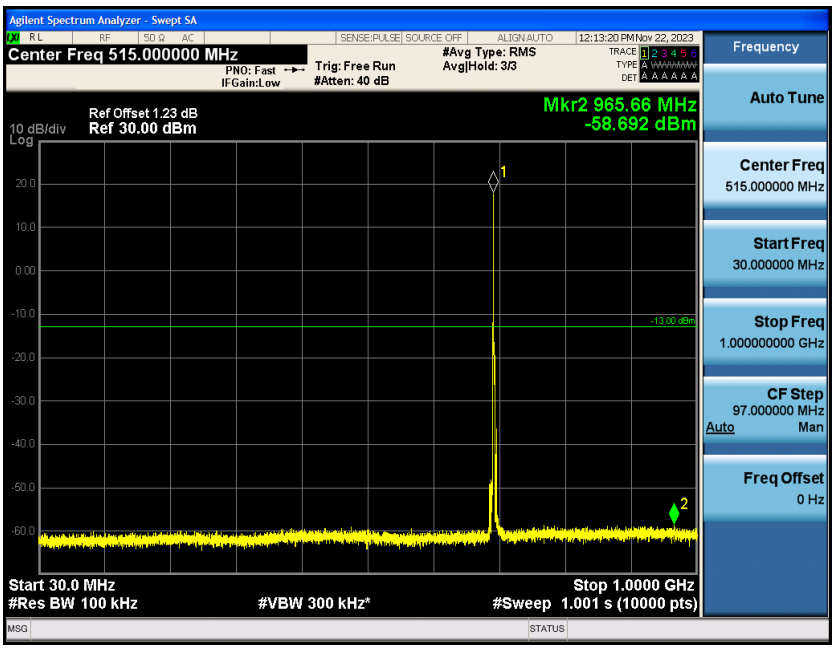
Band12-3MHz-QPSK-23165-1RB#0-Range1:30~1000MHz



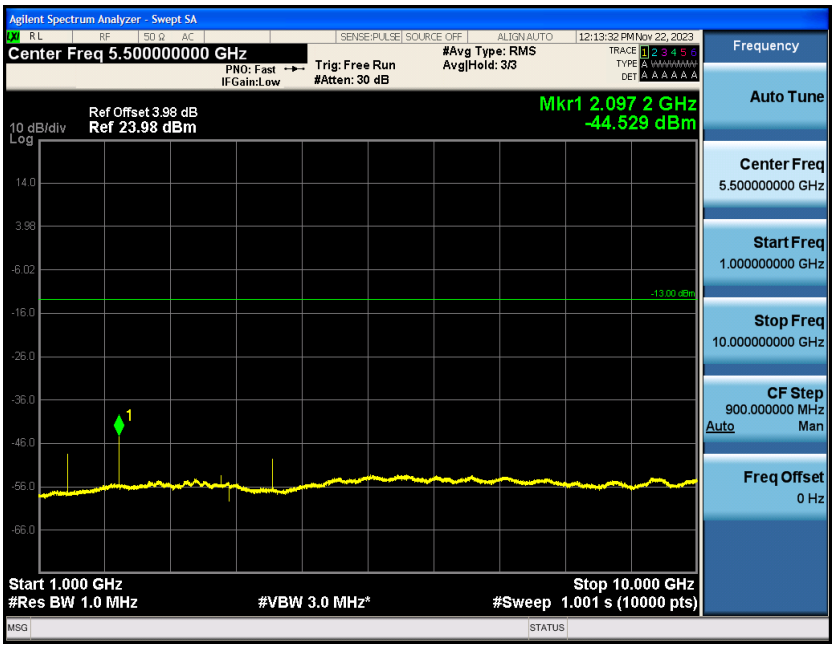
Band12-3MHz-QPSK-23165-1RB#0-Range2:1000~10000MHz



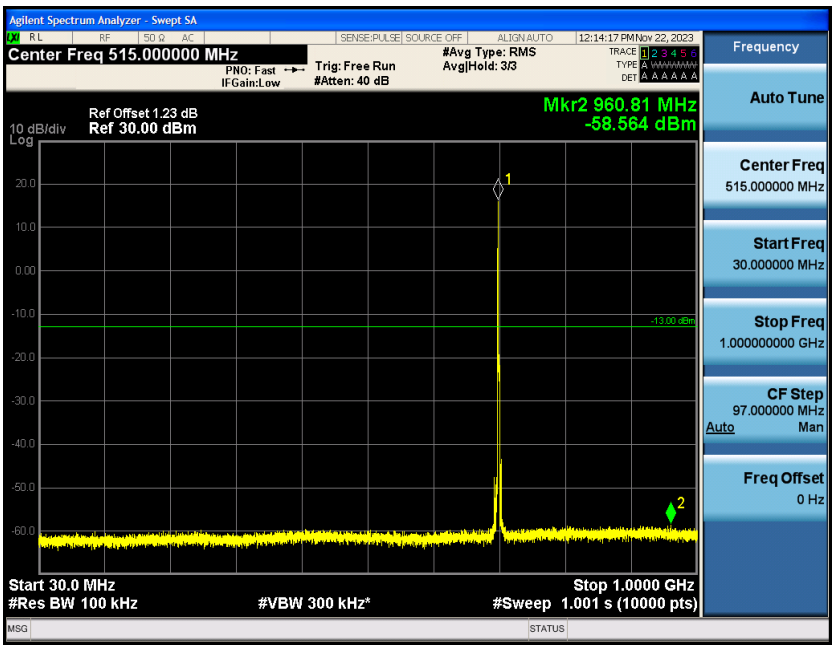
Band12-3MHz-16QAM-23025-1RB#0-Range1:30~1000MHz



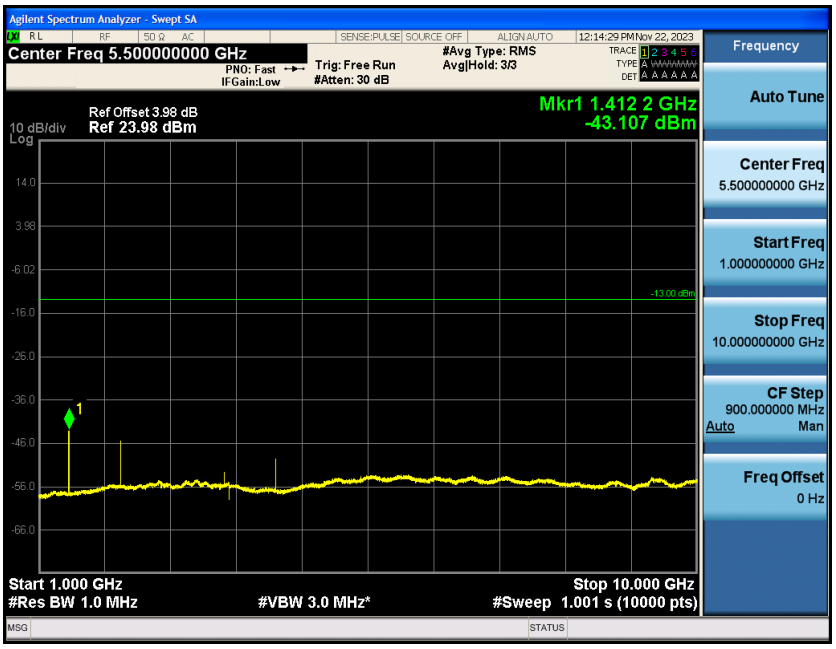
Band12-3MHz-16QAM-23025-1RB#0-Range2:1000~10000MHz



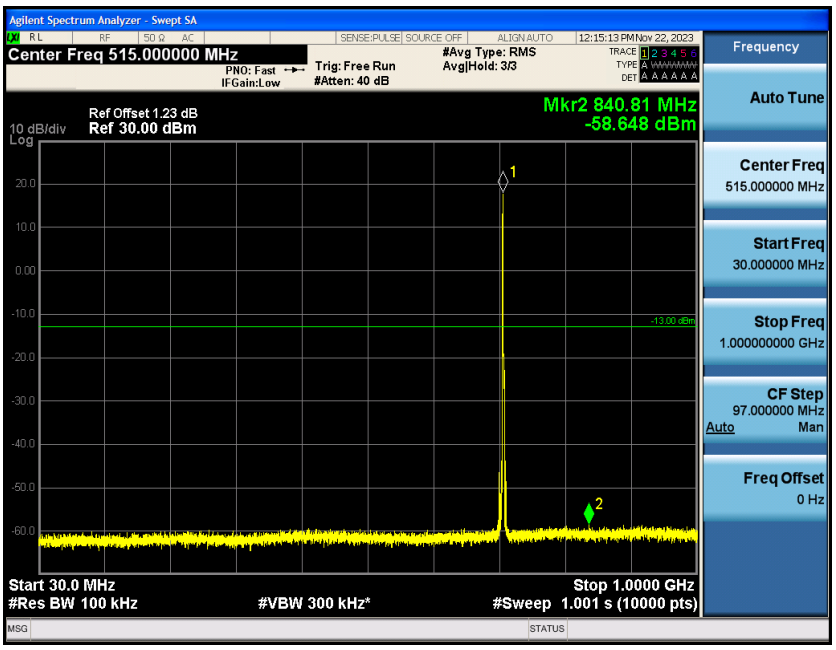
Band12-3MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



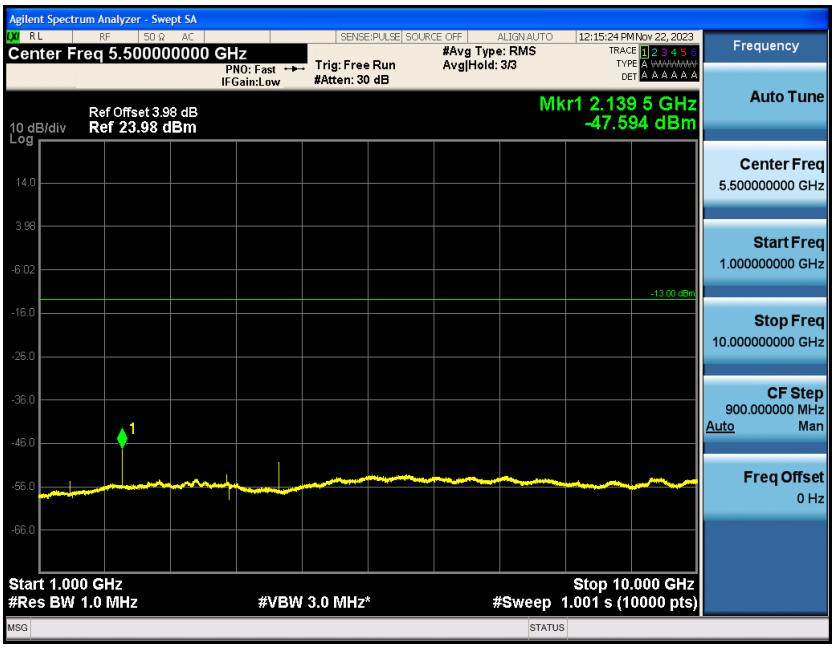
Band12-3MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz



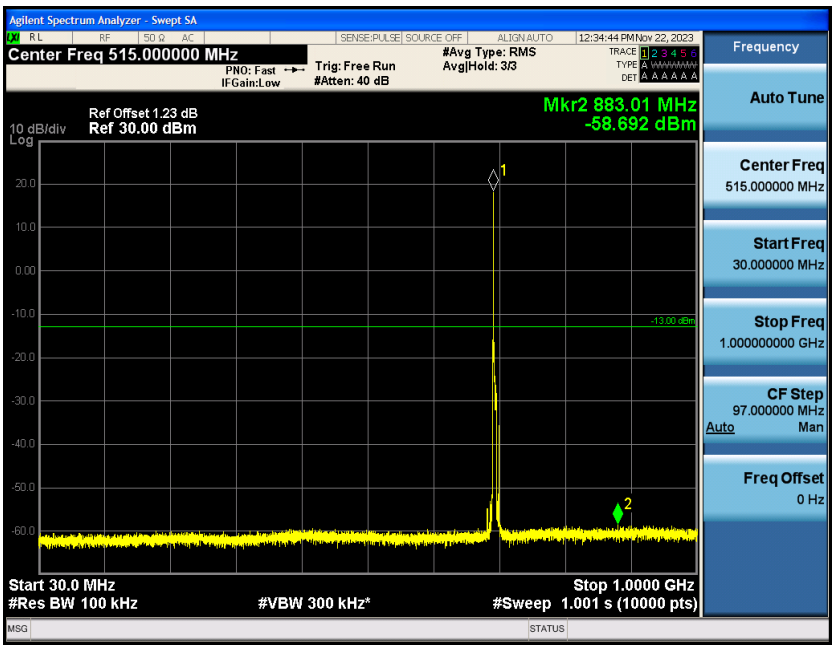
Band12-3MHz-16QAM-23165-1RB#0-Range1:30~1000MHz



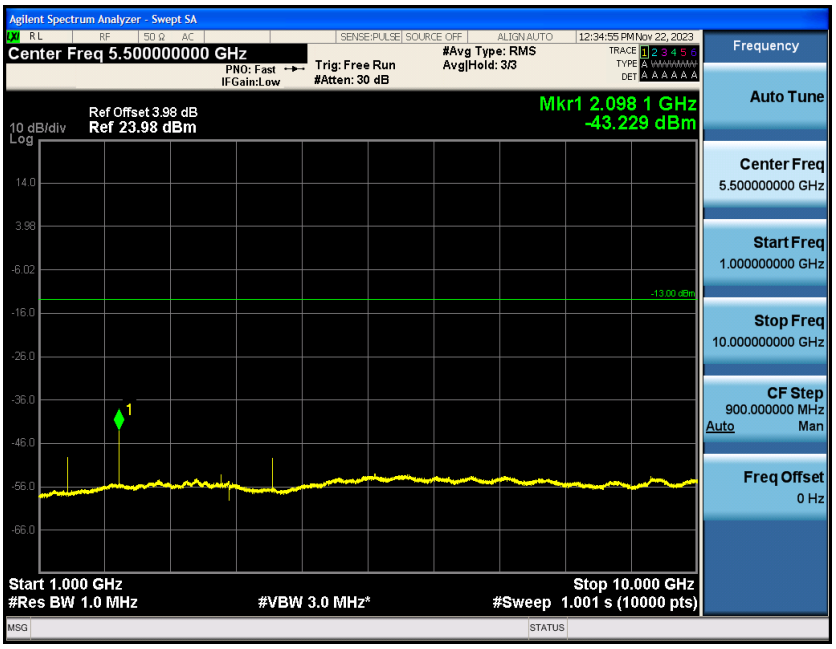
Band12-3MHz-16QAM-23165-1RB#0-Range2:1000~10000MHz



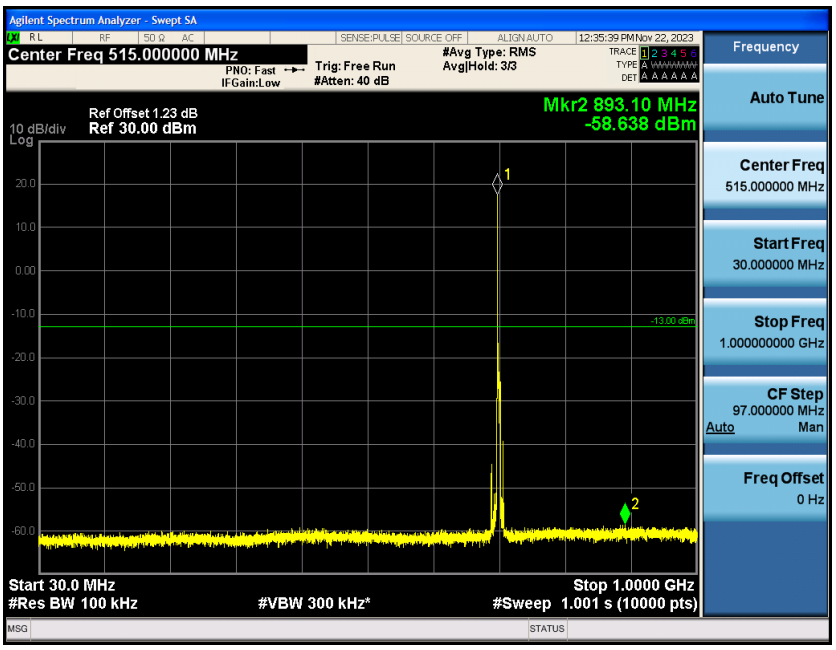
Band12-5MHz-QPSK-23035-1RB#0-Range1:30~1000MHz



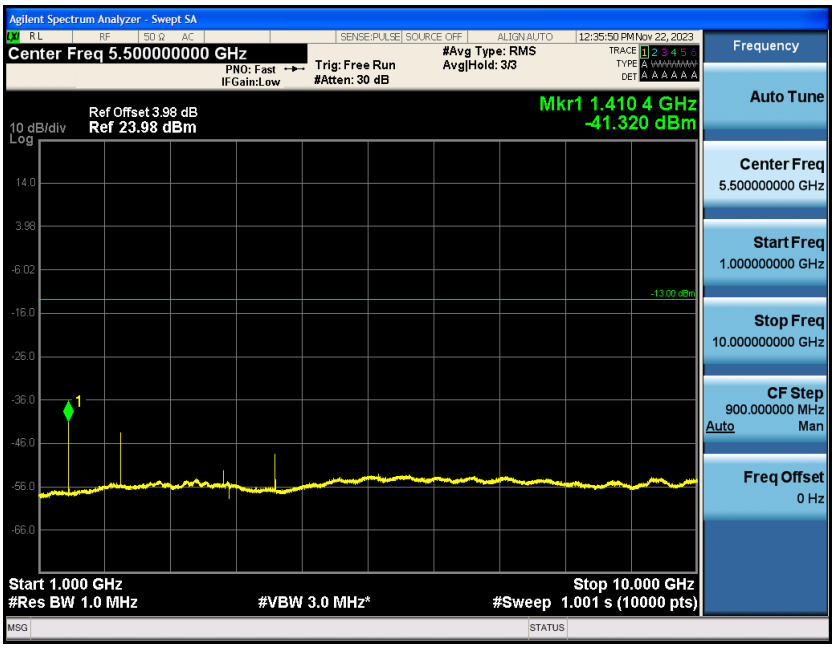
Band12-5MHz-QPSK-23035-1RB#0-Range2:1000~10000MHz



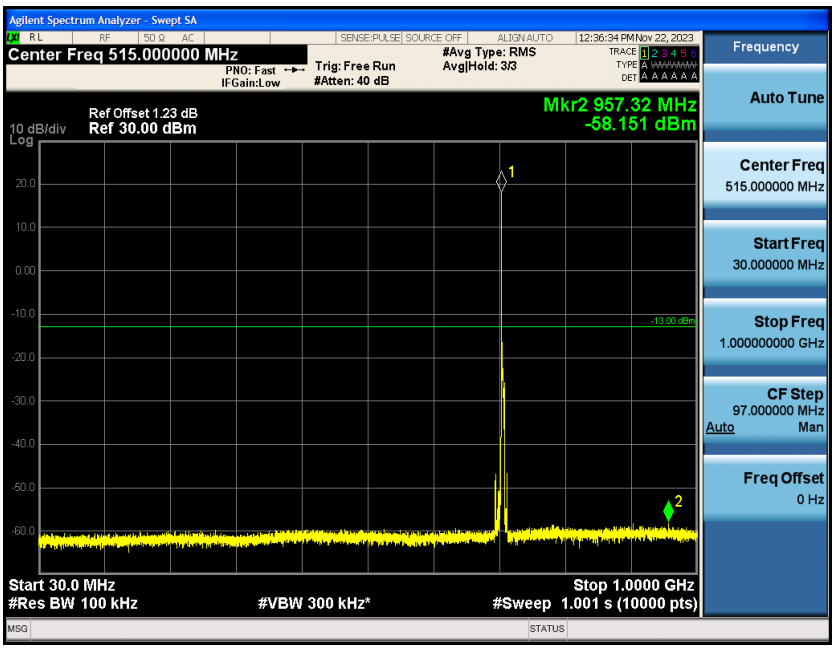
Band12-5MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



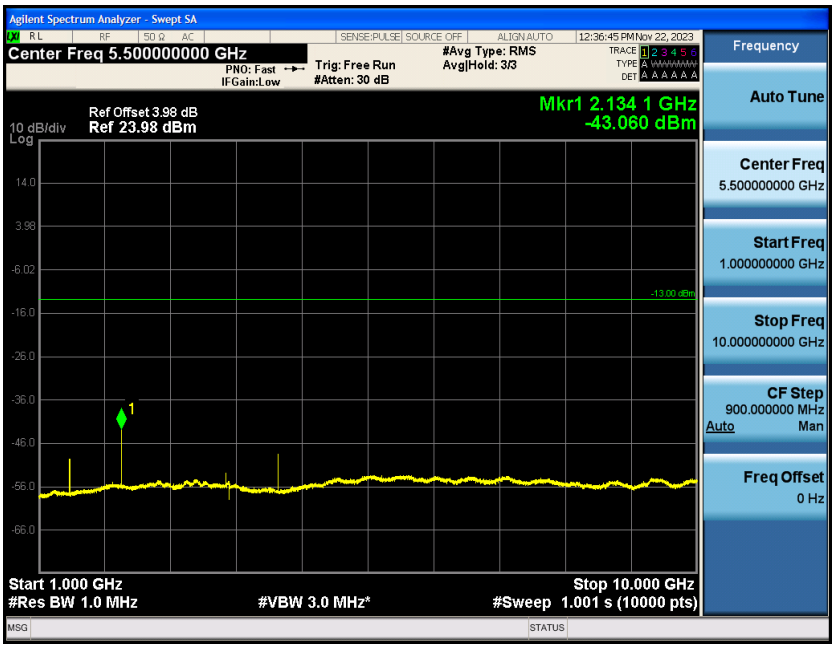
Band12-5MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz



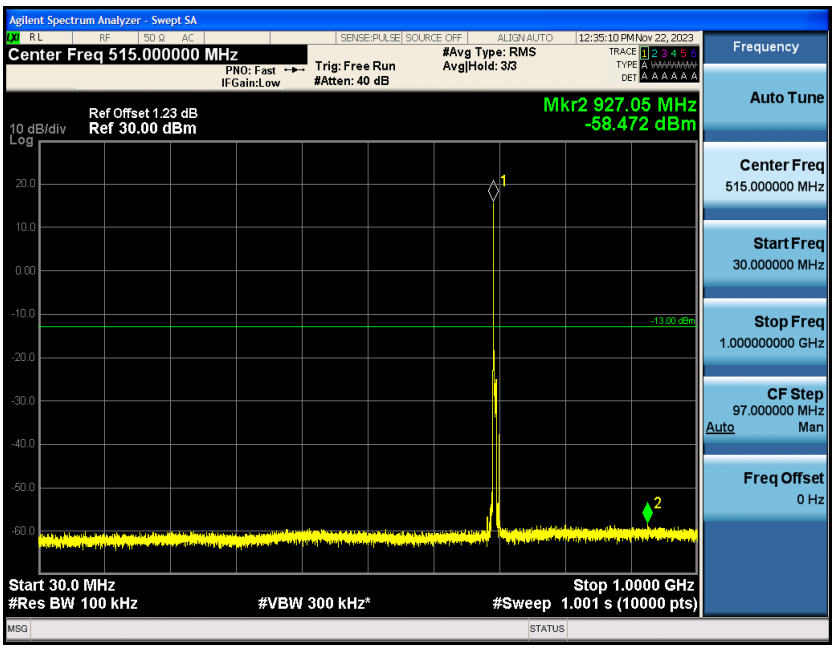
Band12-5MHz-QPSK-23155-1RB#0-Range1:30~1000MHz



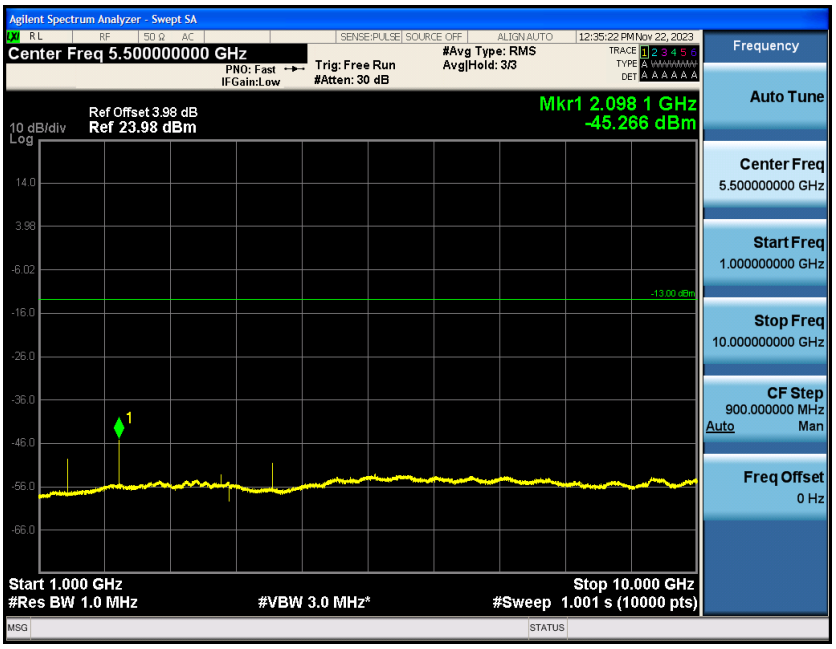
Band12-5MHz-QPSK-23155-1RB#0-Range2:1000~10000MHz



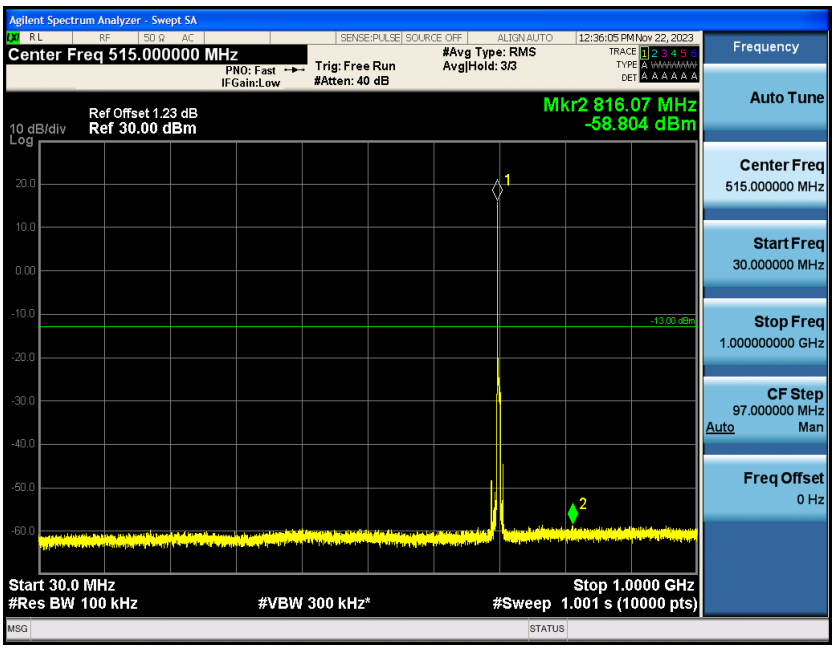
Band12-5MHz-16QAM-23035-1RB#0-Range1:30~1000MHz



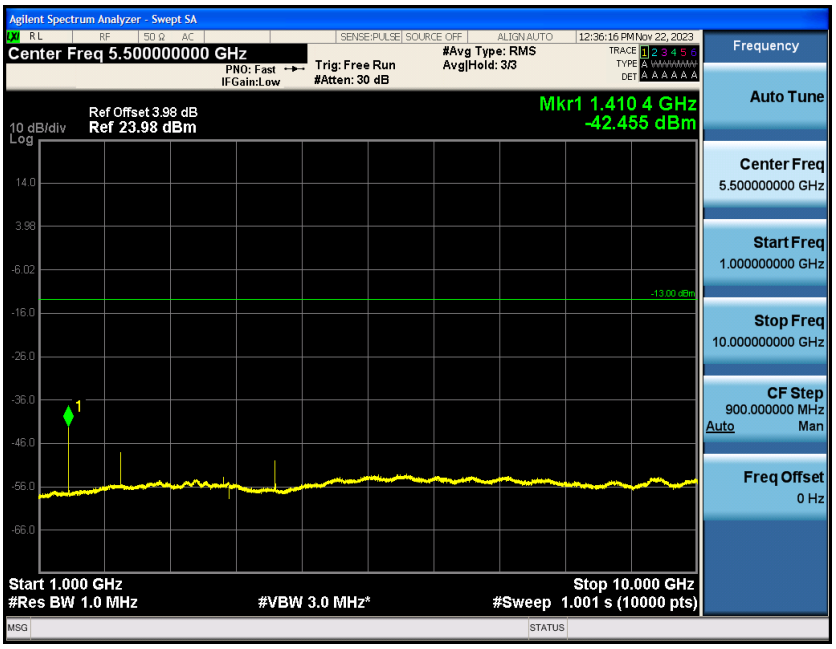
Band12-5MHz-16QAM-23035-1RB#0-Range2:1000~10000MHz



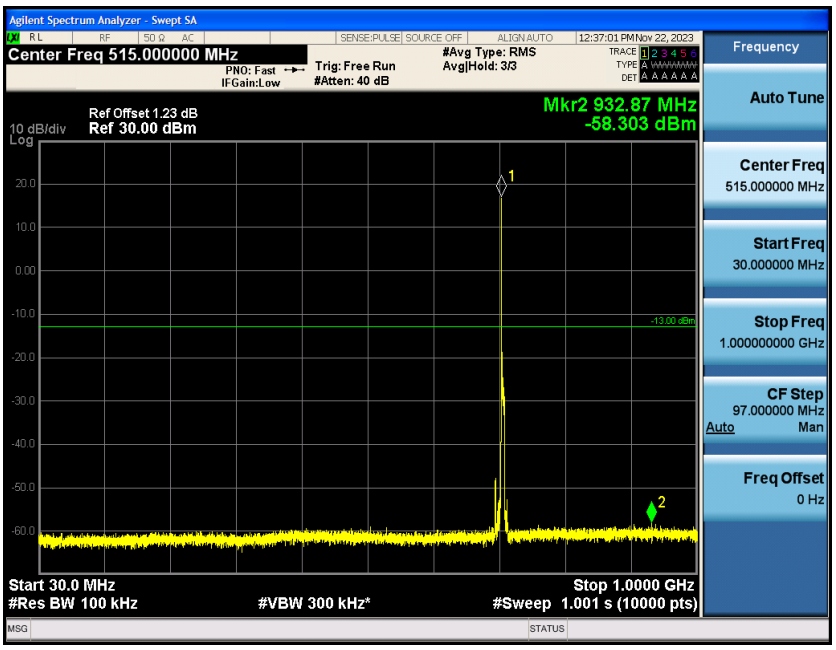
Band12-5MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



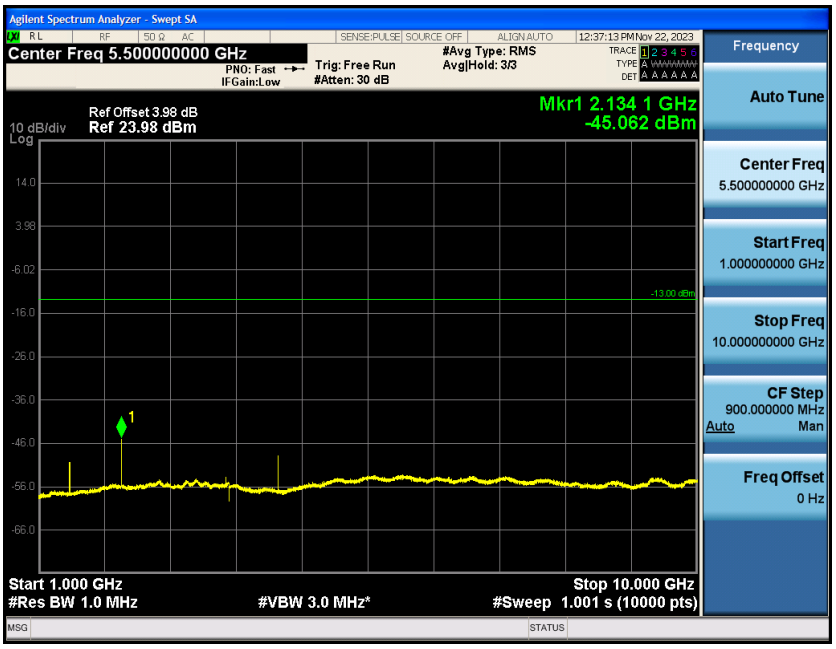
Band12-5MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz



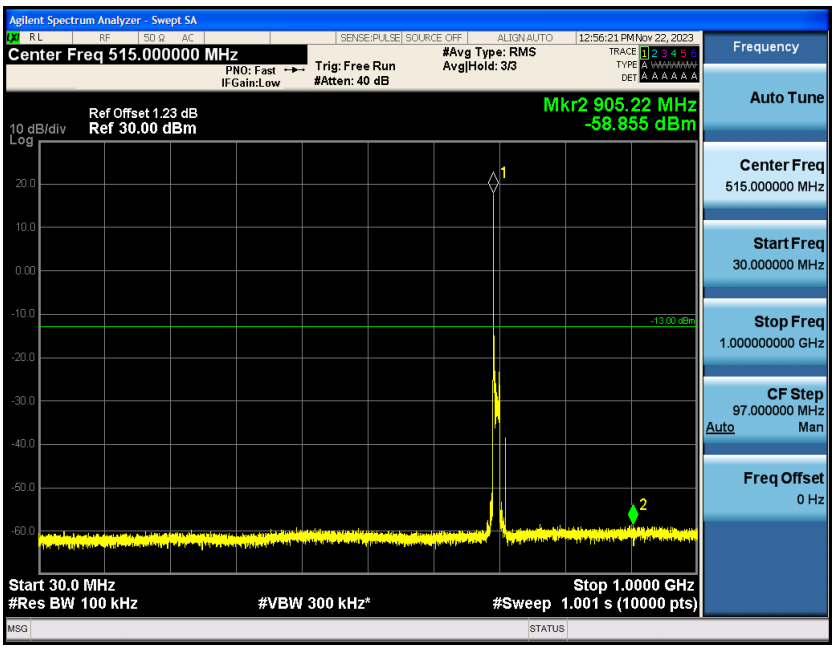
Band12-5MHz-16QAM-23155-1RB#0-Range1:30~1000MHz



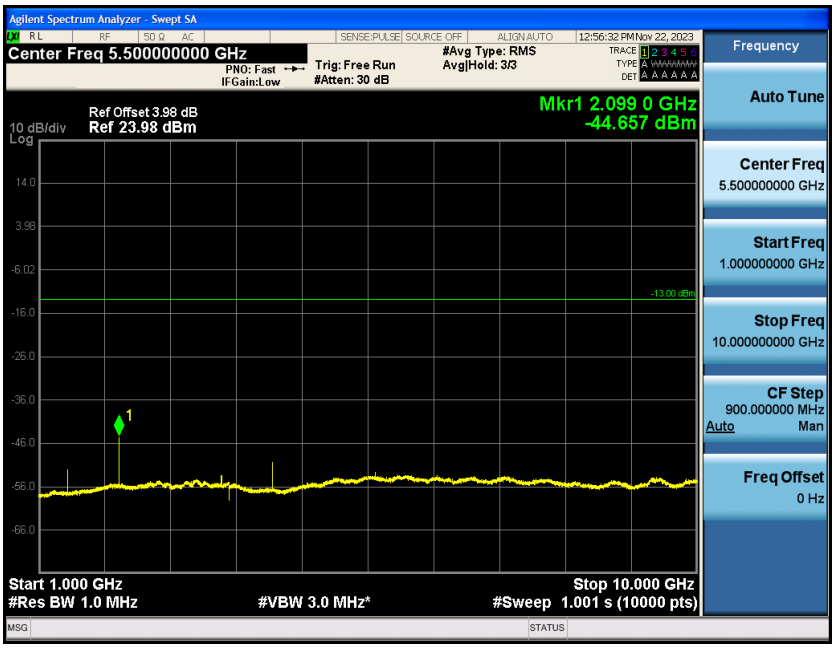
Band12-5MHz-16QAM-23155-1RB#0-Range2:1000~10000MHz



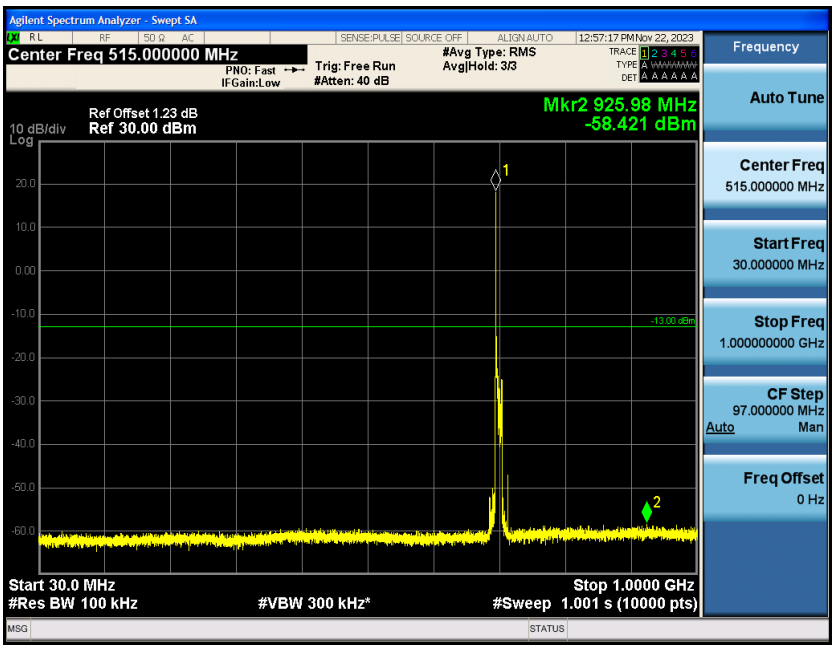
Band12-10MHz-QPSK-23060-1RB#0-Range1:30~1000MHz



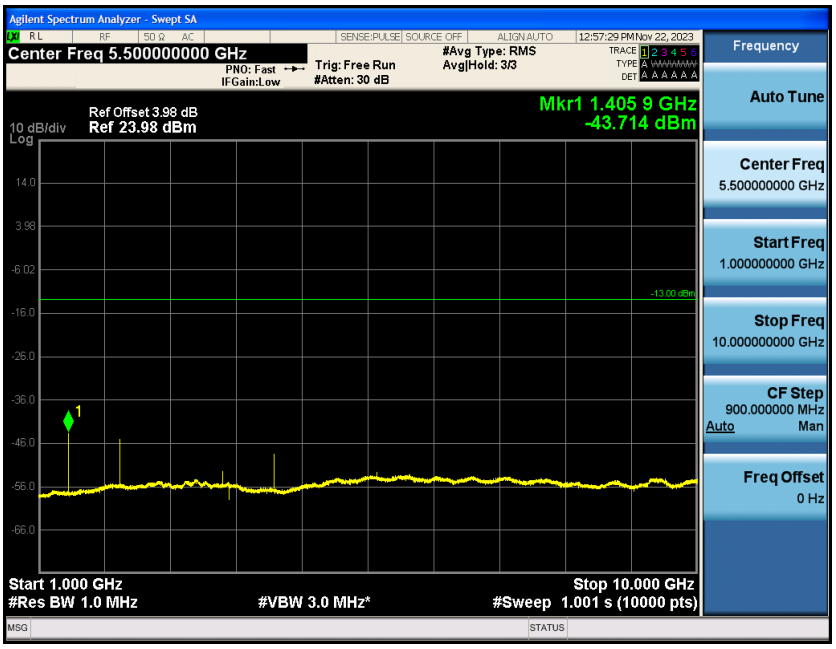
Band12-10MHz-QPSK-23060-1RB#0-Range2:1000~10000MHz



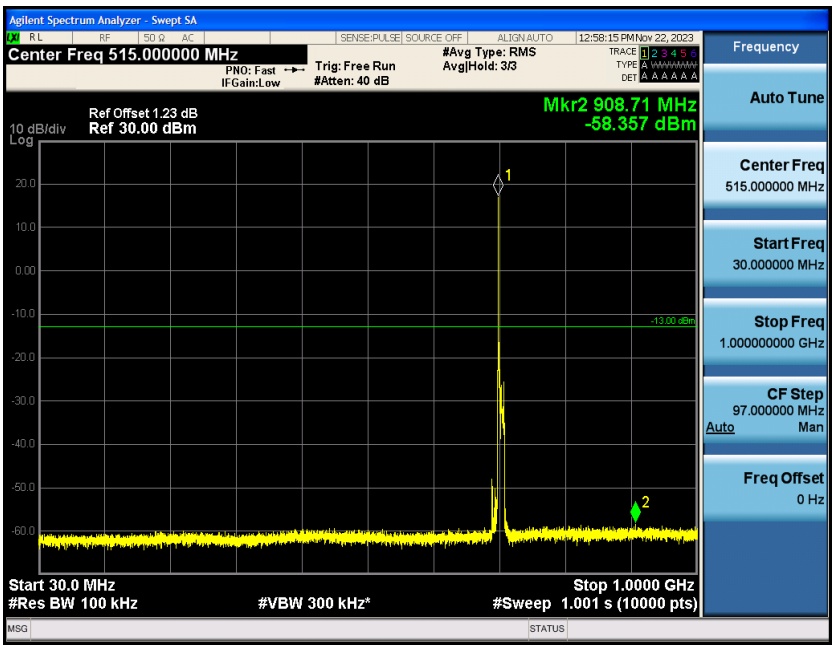
Band12-10MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



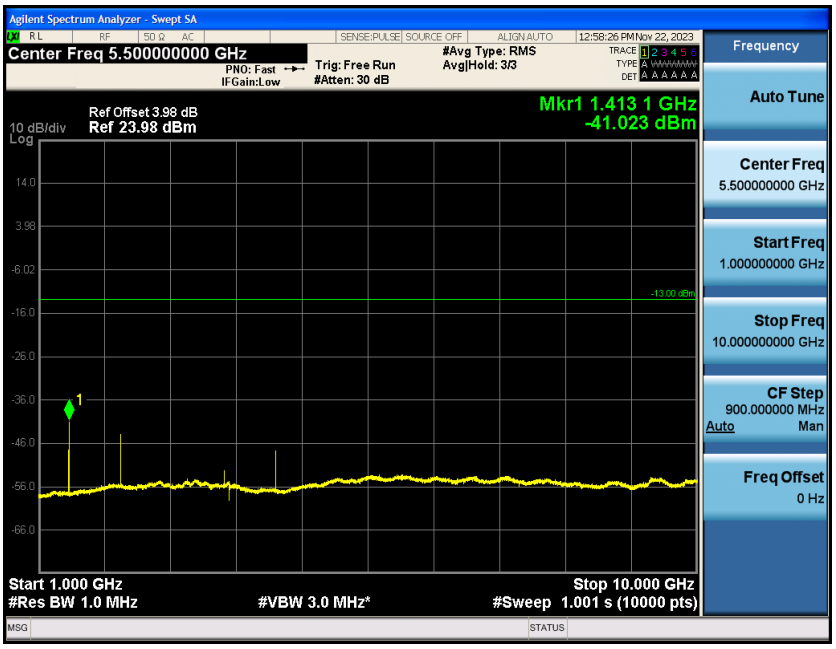
Band12-10MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz



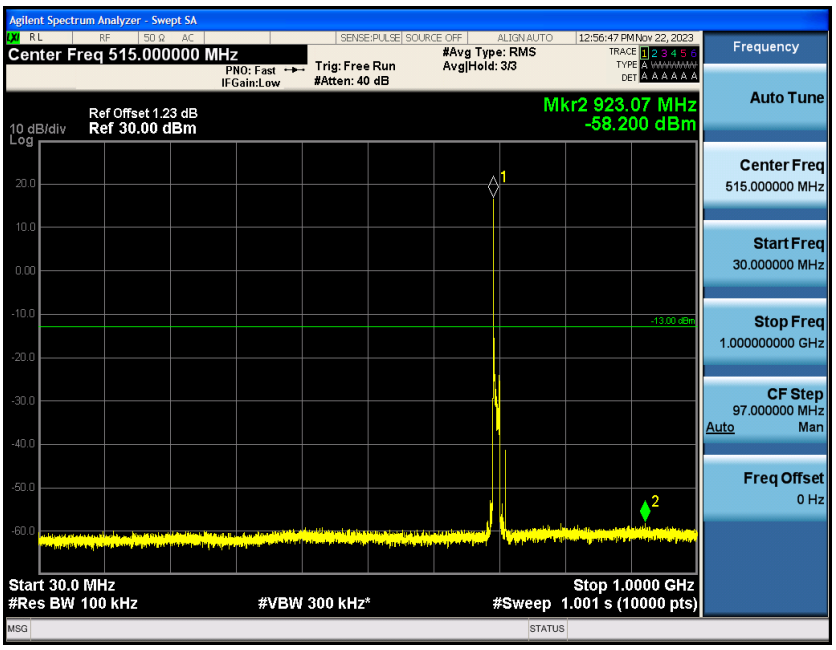
Band12-10MHz-QPSK-23130-1RB#0-Range1:30~1000MHz



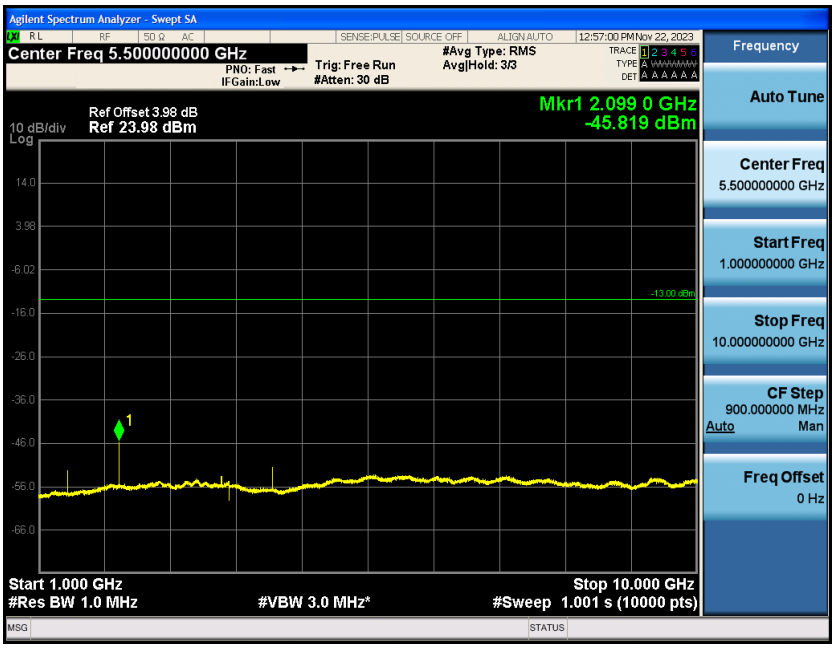
Band12-10MHz-QPSK-23130-1RB#0-Range2:1000~10000MHz



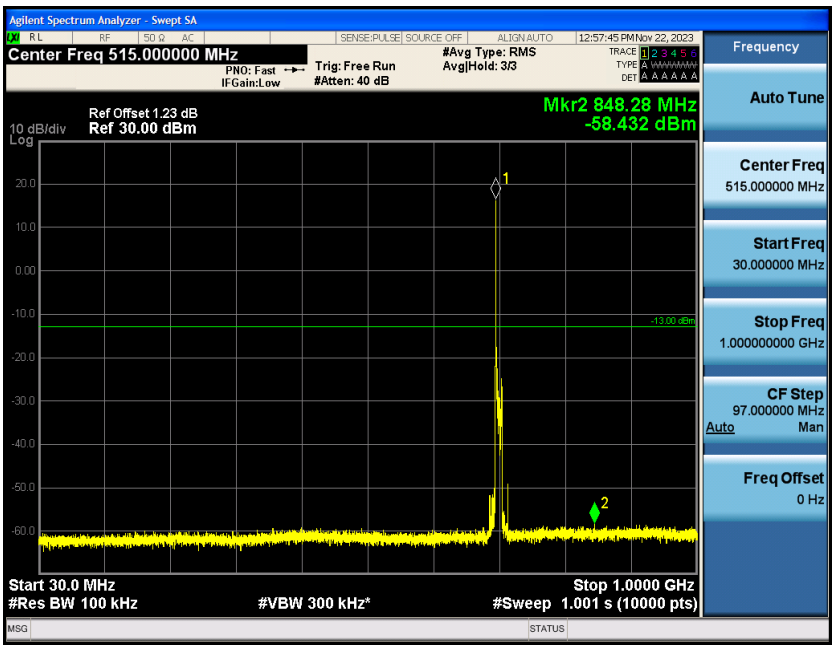
Band12-10MHz-16QAM-23060-1RB#0-Range1:30~1000MHz



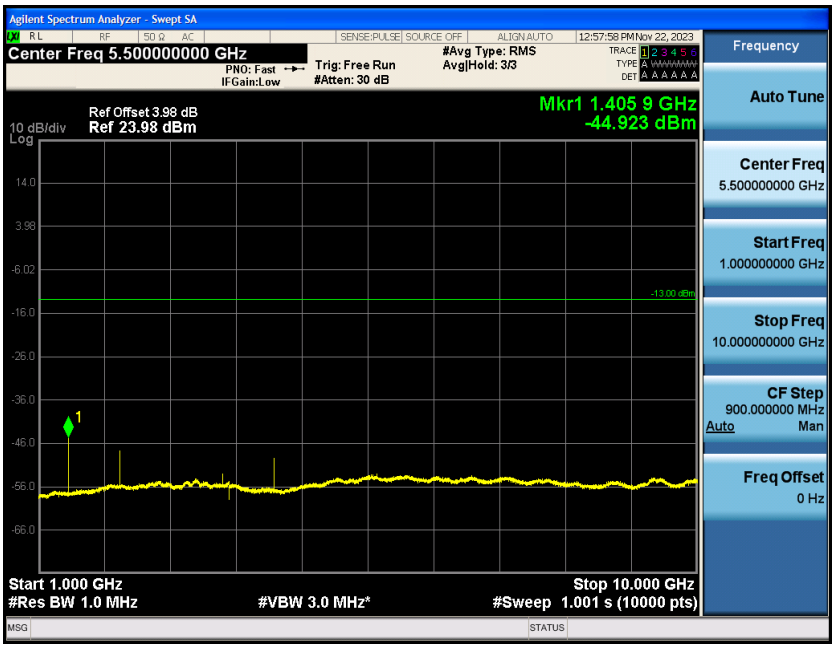
Band12-10MHz-16QAM-23060-1RB#0-Range2:1000~10000MHz



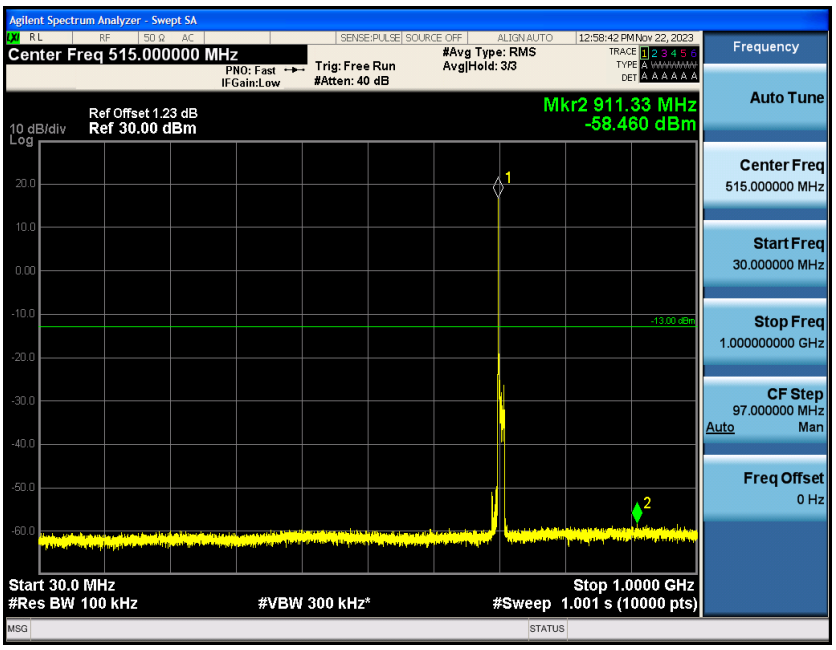
Band12-10MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



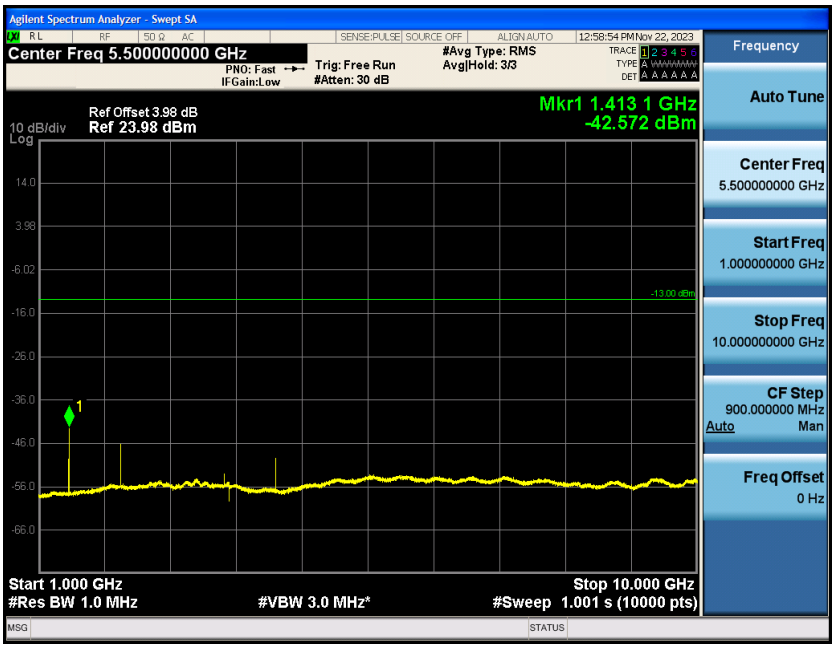
Band12-10MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz



Band12-10MHz-16QAM-23130-1RB#0-Range1:30~1000MHz



Band12-10MHz-16QAM-23130-1RB#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
12:58:54 PM Nov 22, 2023
Ref Offset 3.98 dB
10 dB/div
Ref 23.98 dBm
Log
Mkr1 1.413 1 GHz
-42.572 dBm
-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

Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	VL	NT	-10.80	-0.015432	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	VN	NT	-6.37	-0.009106	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	VH	NT	-14.24	-0.020346	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	VL	NT	-8.02	-0.011336	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	VN	NT	-11.90	-0.016816	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	VH	NT	-6.56	-0.009276	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	VL	NT	-4.13	-0.005778	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	VN	NT	-5.35	-0.007477	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	VH	NT	-9.41	-0.013148	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	VL	NT	-44.21	-0.063188	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	VN	NT	-33.75	-0.048233	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	VH	NT	-44.24	-0.063226	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	VL	NT	-5.58	-0.007884	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	VN	NT	-6.64	-0.009385	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	VH	NT	-4.38	-0.006185	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	VL	NT	-22.36	-0.031264	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	VN	NT	-23.57	-0.032948	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	VH	NT	-23.70	-0.033134	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	VL	NT	-15.67	-0.022370	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	VN	NT	-10.19	-0.014546	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	VH	NT	-26.61	-0.037983	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	VL	NT	-9.24	-0.013061	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	VN	NT	-9.99	-0.014117	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	VH	NT	-13.73	-0.019413	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	VL	NT	-8.72	-0.012201	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	VN	NT	-10.22	-0.014307	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	VH	NT	-6.72	-0.009401	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	VL	NT	-34.86	-0.049762	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	VN	NT	-30.64	-0.043735	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	VH	NT	-33.89	-0.048383	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	VL	NT	-33.71	-0.047640	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	VN	NT	-41.87	-0.059180	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	VH	NT	-24.75	-0.034981	±2.5	PASS

Band12	3MHz	16QAM	23165	15RB#0	VL	NT	-13.82	-0.019336	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	VN	NT	-20.70	-0.028970	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	VH	NT	-18.06	-0.025273	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	VL	NT	-35.19	-0.050161	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	VN	NT	-17.40	-0.024811	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	VH	NT	-51.43	-0.073320	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	VL	NT	-5.49	-0.007766	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	VN	NT	-9.29	-0.013132	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	VH	NT	-8.41	-0.011882	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	VL	NT	-1.50	-0.002096	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	VN	NT	1.83	0.002560	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	VH	NT	7.27	0.010191	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	VL	NT	-8.19	-0.011669	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	VN	NT	-62.05	-0.088451	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	VH	NT	-7.94	-0.011313	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	VL	NT	10.35	0.014633	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	VN	NT	3.38	0.004781	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	VH	NT	15.74	0.022244	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	VL	NT	39.04	0.054717	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	VN	NT	31.73	0.044470	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	VH	NT	42.20	0.059143	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VL	NT	-8.84	-0.012561	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VN	NT	-19.58	-0.027812	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VH	NT	-8.16	-0.011587	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VL	NT	-11.82	-0.016706	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VN	NT	-15.53	-0.021950	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VH	NT	-7.34	-0.010376	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VL	NT	1.60	0.002245	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VN	NT	-1.43	-0.002016	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VH	NT	7.20	0.010122	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VL	NT	-20.50	-0.029123	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VN	NT	-19.72	-0.028014	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VH	NT	-31.22	-0.044346	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VL	NT	0.02	0.000029	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VN	NT	-10.78	-0.015232	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VH	NT	-8.53	-0.012056	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VL	NT	7.48	0.010520	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VN	NT	7.52	0.010579	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VH	NT	9.56	0.013447	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	NV	-30	-17.58	-0.025129	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	-20	-24.44	-0.034929	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	0	-31.24	-0.044641	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	10	-32.18	-0.045986	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	20	-29.19	-0.041713	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	-30	-3.58	-0.005062	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	-20	-10.84	-0.015320	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	0	-3.86	-0.005454	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	10	2.35	0.003317	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	20	0.21	0.000299	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	-30	-11.64	-0.016270	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	-20	-7.08	-0.009892	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	0	-9.11	-0.012729	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	10	-23.92	-0.033434	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	20	-20.77	-0.029034	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	-30	-45.62	-0.065196	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	-20	-47.42	-0.067768	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	0	-8.35	-0.011930	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	10	-8.58	-0.012265	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	20	-11.43	-0.016331	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	-30	4.26	0.006020	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	-20	2.87	0.004051	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	0	-5.51	-0.007789	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	10	-6.24	-0.008826	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	20	-4.74	-0.006704	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	-30	-26.19	-0.036611	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	-20	-28.82	-0.040293	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	0	-42.99	-0.060100	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	10	-47.55	-0.066474	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	20	-43.12	-0.060289	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	-30	-29.29	-0.041807	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	-20	-35.65	-0.050886	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	0	-44.50	-0.063530	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	10	-2.68	-0.003832	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	20	-27.08	-0.038660	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	-30	-6.23	-0.008801	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	-20	-10.88	-0.015371	±2.5	PASS

Band12	3MHz	QPSK	23095	15RB#0	NV	0	-35.52	-0.050200	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	10	-35.41	-0.050050	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	20	-36.79	-0.051995	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	-30	-14.63	-0.020470	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	-20	-12.53	-0.017534	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	0	-5.82	-0.008150	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	10	-9.48	-0.013274	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	20	-5.87	-0.008211	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	-30	-42.43	-0.060577	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	-20	-43.87	-0.062631	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	0	-50.27	-0.071758	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	10	-46.62	-0.066558	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	20	-41.84	-0.059727	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	-30	-29.89	-0.042244	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	-20	-30.93	-0.043721	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	0	-30.42	-0.042992	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	10	-28.86	-0.040788	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	20	-27.60	-0.039009	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	-30	-18.04	-0.025253	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	-20	-11.70	-0.016372	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	0	-14.64	-0.020495	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	10	-12.55	-0.017571	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	20	-5.80	-0.008115	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	-30	-10.62	-0.015133	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	-20	-32.36	-0.046134	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	0	-38.05	-0.054247	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	10	-46.54	-0.066339	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	20	-50.31	-0.071719	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	-30	5.15	0.007286	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	-20	-1.63	-0.002302	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	0	-0.17	-0.000242	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	10	-1.35	-0.001907	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	20	5.79	0.008188	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	-30	8.17	0.011451	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	-20	7.33	0.010268	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	0	9.58	0.013432	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	10	20.80	0.029146	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	20	19.19	0.026900	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	-30	-16.57	-0.023615	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	-20	-13.00	-0.018531	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	0	-15.67	-0.022332	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	10	-21.70	-0.030930	±2.5	PASS

Band12	5MHz	16QAM	23035	25RB#0	NV	20	-22.52	-0.032100	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	-30	27.19	0.038433	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	-20	27.72	0.039179	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	0	33.09	0.046765	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	10	38.34	0.054185	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	20	3.34	0.004726	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	-30	-4.47	-0.006259	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	-20	4.21	0.005897	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	0	8.87	0.012427	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	10	18.62	0.026090	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	20	19.71	0.027627	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-30	-11.03	-0.015668	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-20	-10.91	-0.015498	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	0	-15.65	-0.022227	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	10	-11.29	-0.016035	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	20	-12.11	-0.017200	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-30	1.24	0.001752	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-20	-11.26	-0.015914	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	0	-2.10	-0.002967	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	10	-6.30	-0.008904	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	20	-6.43	-0.009092	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-30	11.15	0.015687	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-20	13.57	0.019082	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	0	14.12	0.019857	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	10	7.17	0.010089	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	20	14.11	0.019847	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-30	-28.89	-0.041036	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-20	-28.76	-0.040849	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	0	-24.28	-0.034483	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	10	-26.36	-0.037439	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	20	-34.28	-0.048690	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-30	-11.05	-0.015616	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-20	-2.59	-0.003658	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	0	-2.92	-0.004132	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	10	-0.81	-0.001145	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	20	1.79	0.002529	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	-30	6.56	0.009221	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	-20	12.39	0.017421	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	0	16.67	0.023445	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	10	13.16	0.018508	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	20	20.76	0.029197	±2.5	PASS

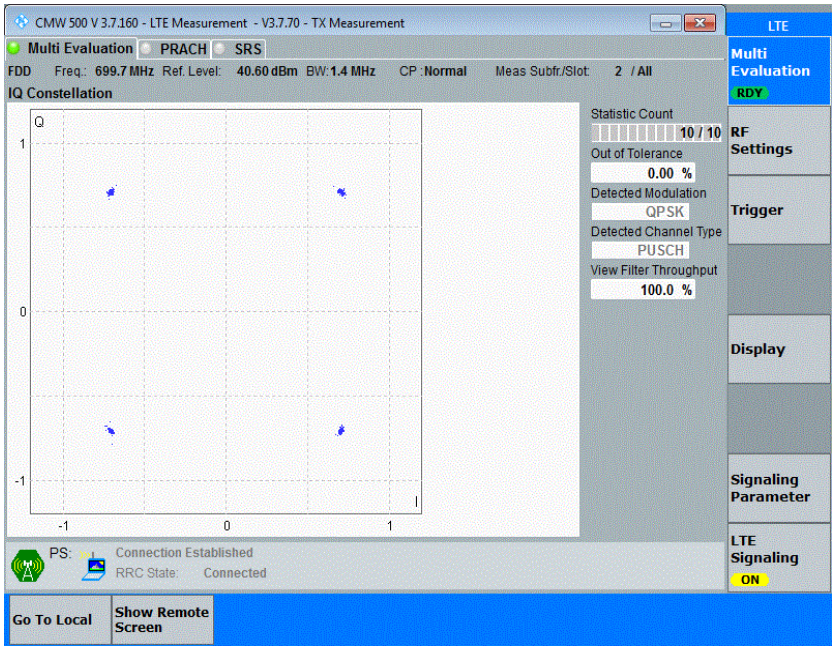
Appendix G: Modulation Characteristics

Test Result

Band	Channel	Result	Verdict
Band12	23017	PASS	PASS
Band12	23095	PASS	PASS
Band12	23173	PASS	PASS
Band12	23017	PASS	PASS
Band12	23095	PASS	PASS
Band12	23173	PASS	PASS
Band12	23025	PASS	PASS
Band12	23095	PASS	PASS
Band12	23165	PASS	PASS
Band12	23025	PASS	PASS
Band12	23095	PASS	PASS
Band12	23165	PASS	PASS
Band12	23035	PASS	PASS
Band12	23095	PASS	PASS
Band12	23155	PASS	PASS
Band12	23035	PASS	PASS
Band12	23095	PASS	PASS
Band12	23155	PASS	PASS
Band12	23060	PASS	PASS
Band12	23095	PASS	PASS
Band12	23130	PASS	PASS
Band12	23060	PASS	PASS
Band12	23095	PASS	PASS
Band12	23130	PASS	PASS

Test Graphs

Band12-1.4MHz-QPSK-23017-6RB#0



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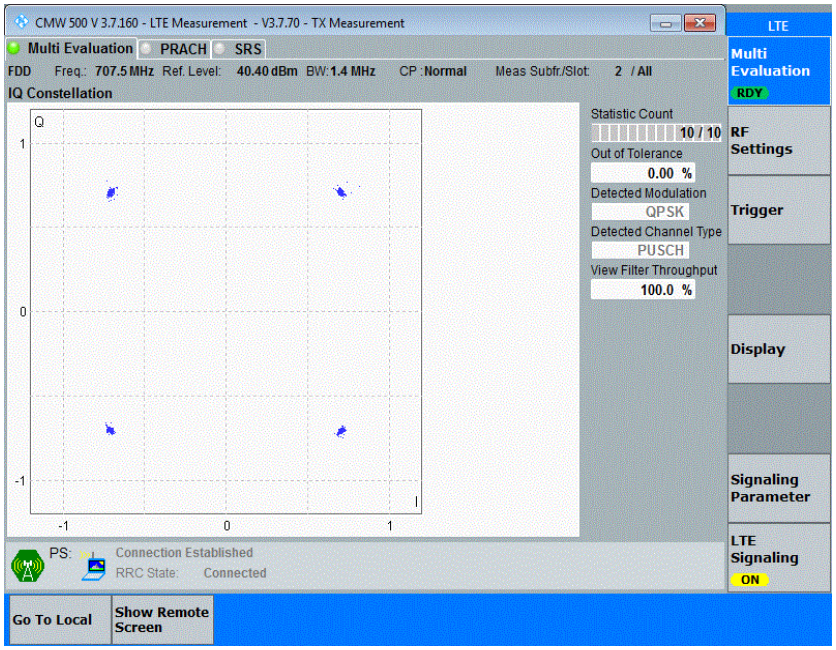

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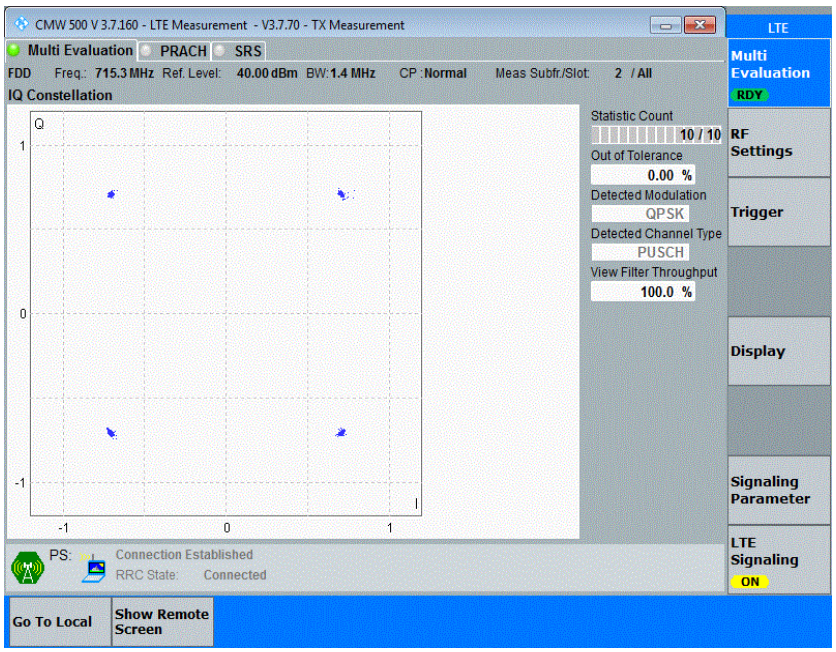

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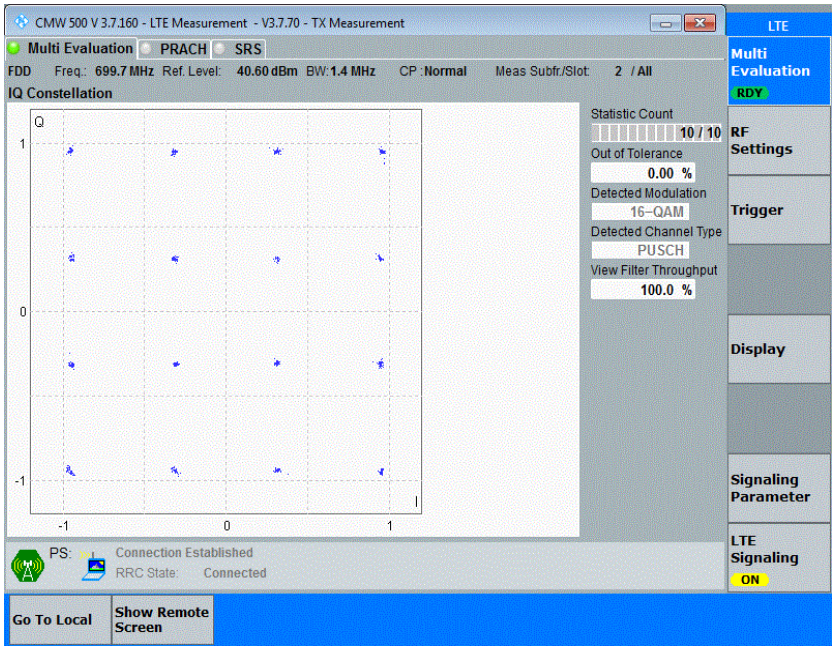

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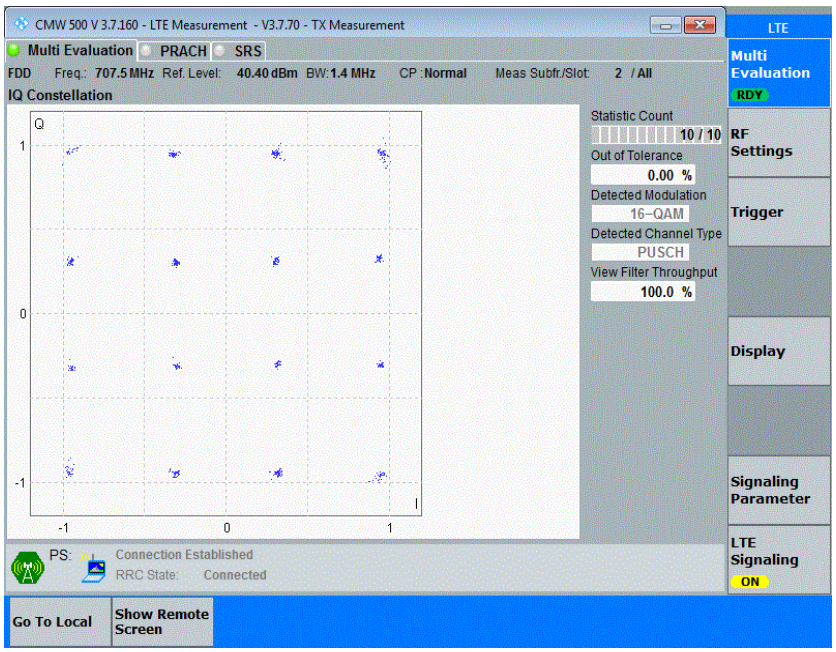

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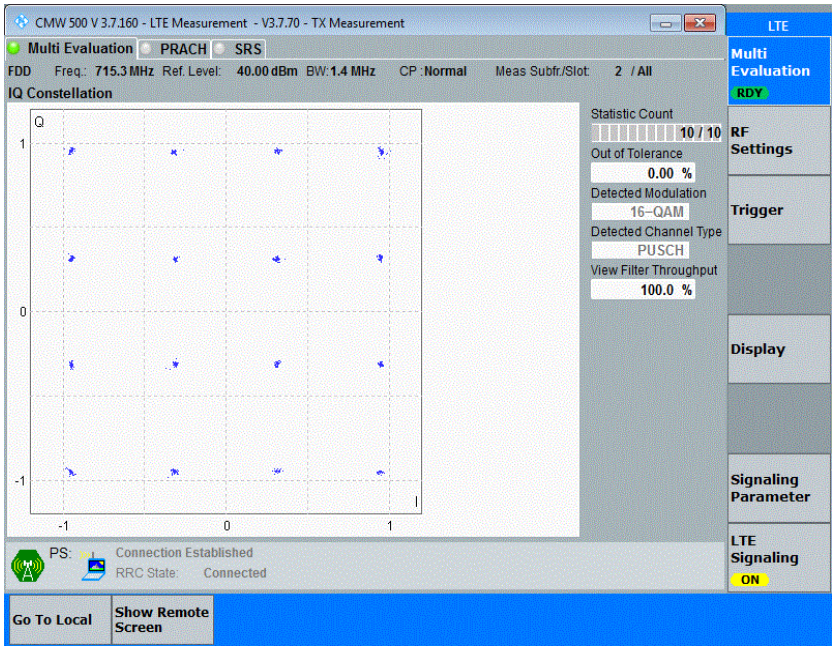
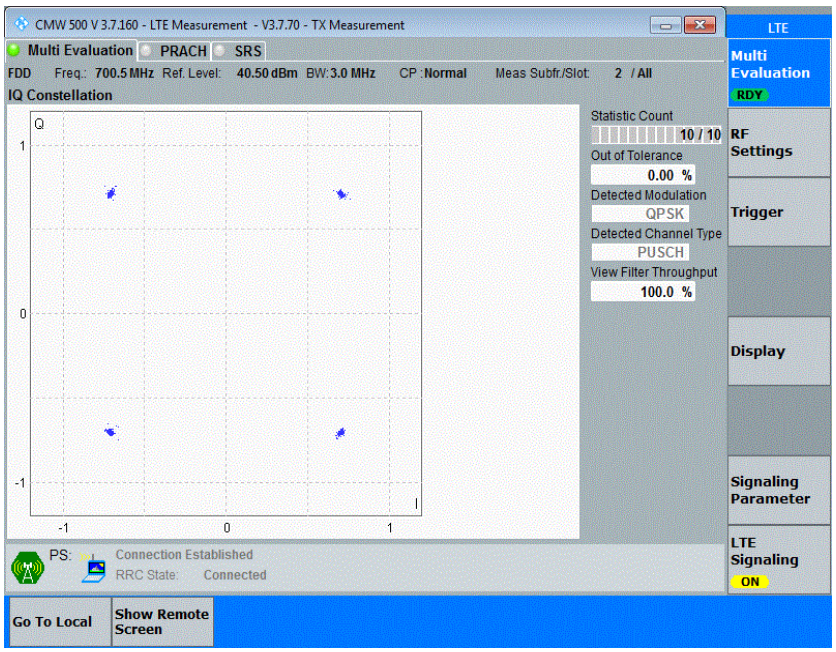


Band12-3MHz-QPSK-23025-15RB#0



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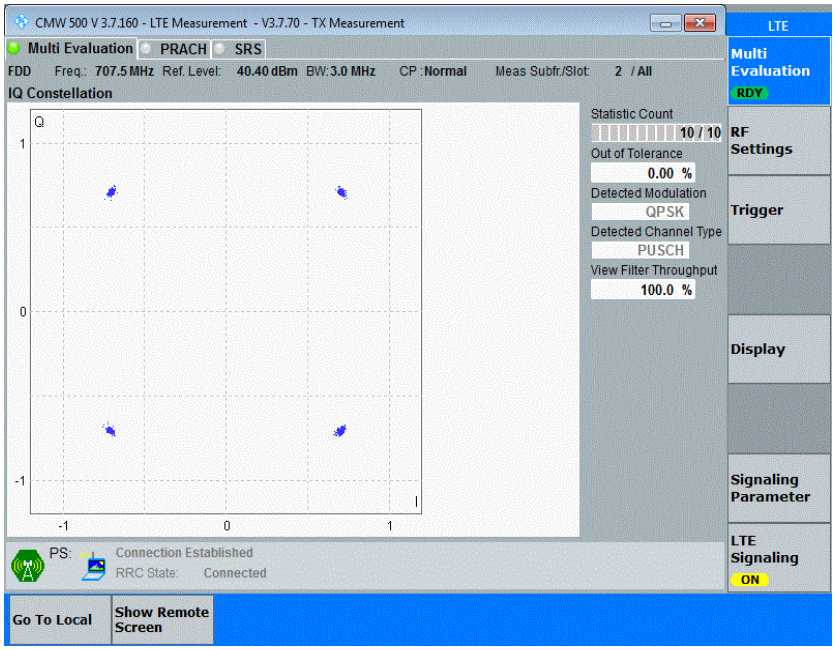

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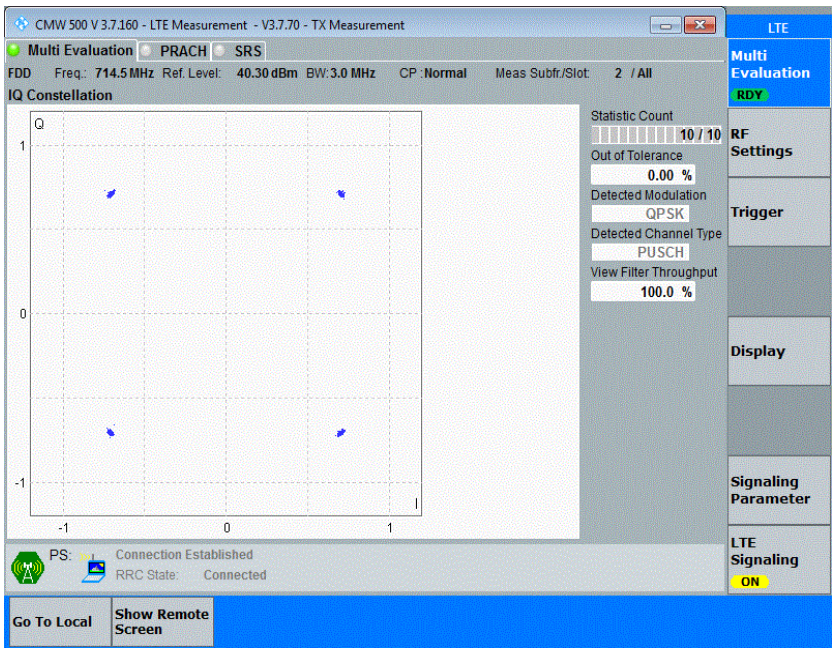

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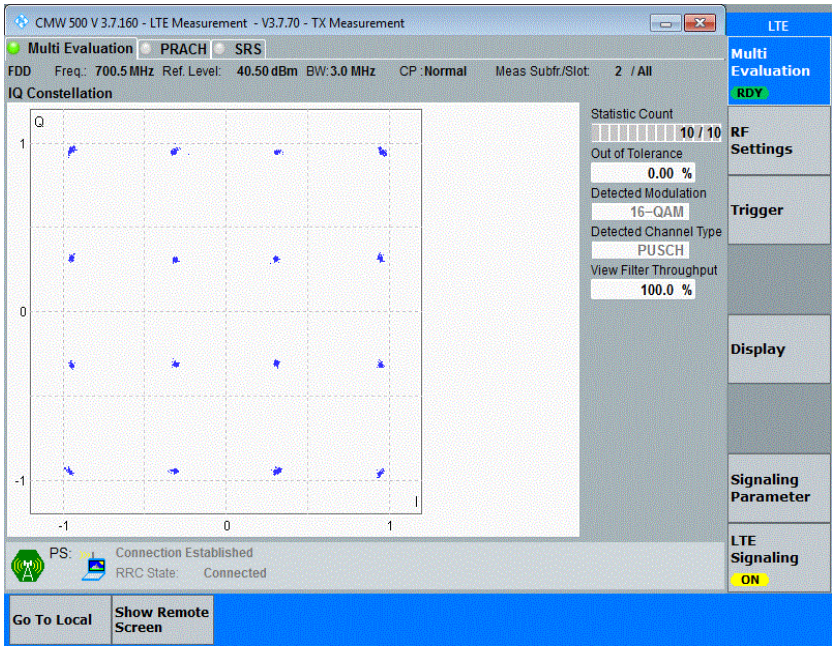

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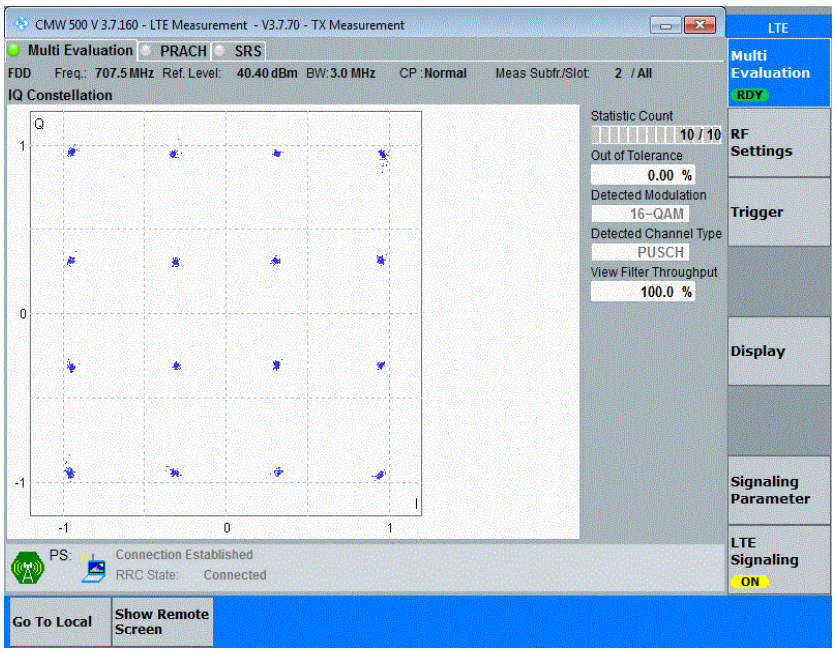

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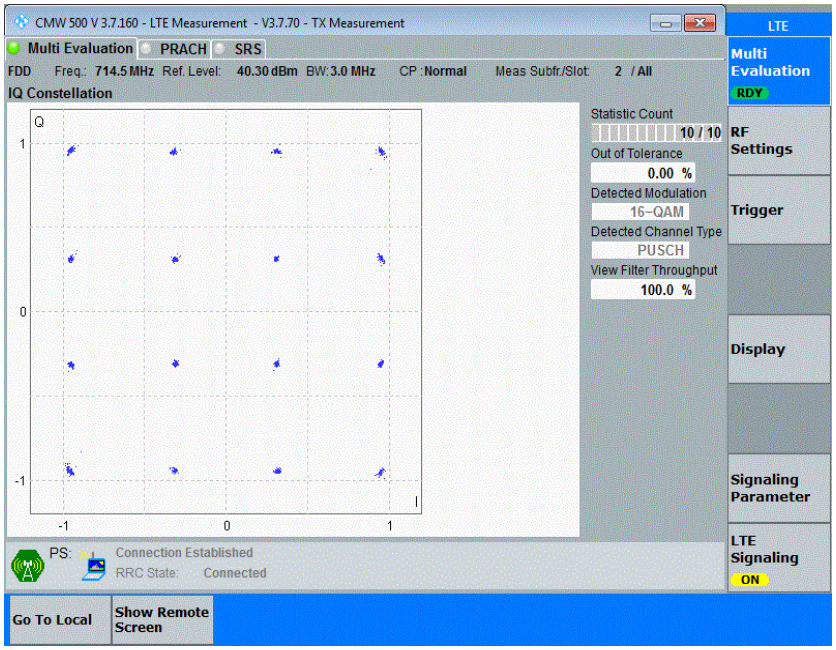

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