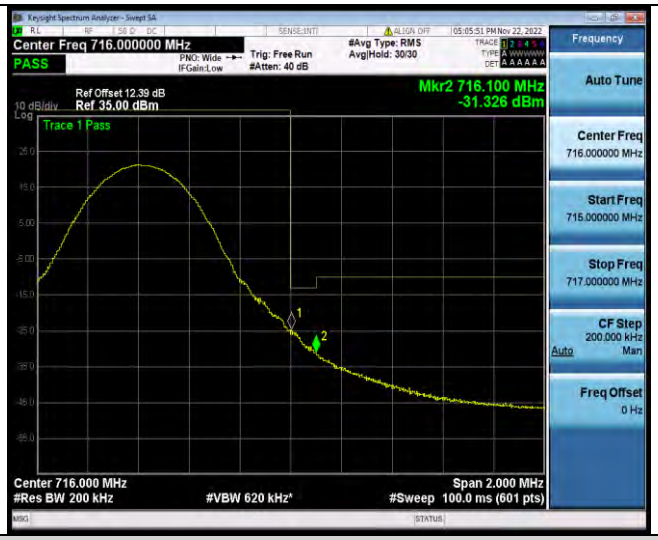


Band12-10MHz-QPSK-23130-50RB#0

Band12-10MHz-16QAM-23060-1RB#0

Band12-10MHz-16QAM-23060-50RB#0

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

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

Band12-10MHz-64QAM-23060-1RB#0

Band12-10MHz-64QAM-23060-50RB#0

Band12-10MHz-64QAM-23130-1RB#49

Band12-10MHz-64QAM-23130-50RB#0

Keysight 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: 30/30
07:57:26 PM Nov 24, 2022
Ref Offset 12.39 dB
10 dB/div
Log
Ref 35.00 dBm
Trace 1 Pass
Mkr2 716.110 MHz
-35.115 dBm
Center 716.000 MHz
#Res BW 200 kHz
#VBW 620 kHz*
Span 2.000 MHz
#Sweep 100.0 ms (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

CONDUCTED SPURIOUS EMISSION

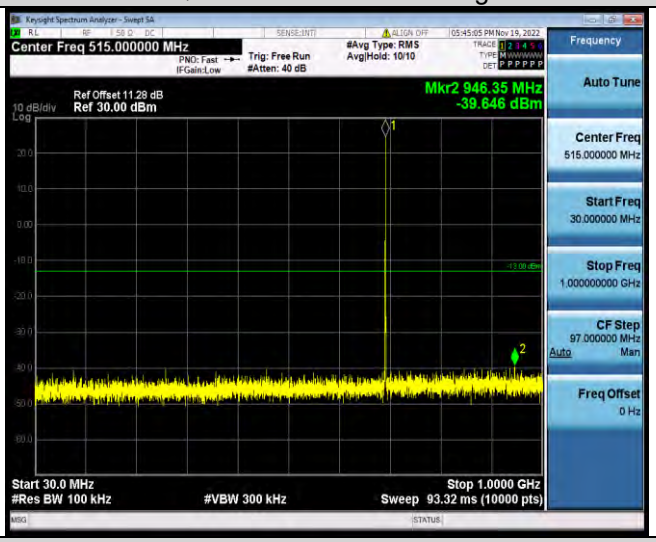
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	Range1:30~1000MHz	-39.65	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range2:1000~10000MHz	-34.44	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-40.52	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-33.97	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range1:30~1000MHz	-39.87	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range2:1000~10000MHz	-34.61	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range1:30~1000MHz	-40.36	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range2:1000~10000MHz	-33.67	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-40.1	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-34.26	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range1:30~1000MHz	-39.14	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range2:1000~10000MHz	-34.25	PASS
Band12	1.4MHz	64QAM	23017	1RB#0	Range1:30~1000MHz	-40.04	PASS
Band12	1.4MHz	64QAM	23017	1RB#0	Range2:1000~10000MHz	-34.83	PASS
Band12	1.4MHz	64QAM	23095	1RB#0	Range1:30~1000MHz	-39.3	PASS
Band12	1.4MHz	64QAM	23095	1RB#0	Range2:1000~10000MHz	-33.67	PASS
Band12	1.4MHz	64QAM	23173	1RB#0	Range1:30~1000MHz	-39.65	PASS
Band12	1.4MHz	64QAM	23173	1RB#0	Range2:1000~10000MHz	-34.78	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range1:30~1000MHz	-39.78	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range2:1000~10000MHz	-34.4	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-39.48	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-34.1	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range1:30~1000MHz	-39.6	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range2:1000~10000MHz	-33.39	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range1:30~1000MHz	-40.06	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range2:1000~10000MHz	-32.43	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-39.47	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-34.61	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range1:30~1000MHz	-40.72	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range2:1000~10000MHz	-33.5	PASS
Band12	3MHz	64QAM	23025	1RB#0	Range1:30~1000MHz	-39.68	PASS
Band12	3MHz	64QAM	23025	1RB#0	Range2:1000~10000MHz	-34.51	PASS
Band12	3MHz	64QAM	23095	1RB#0	Range1:30~1000MHz	-40.1	PASS
Band12	3MHz	64QAM	23095	1RB#0	Range2:1000~10000MHz	-34.33	PASS
Band12	3MHz	64QAM	23165	1RB#0	Range1:30~1000MHz	-40.17	PASS
Band12	3MHz	64QAM	23165	1RB#0	Range2:1000~10000MHz	-34.29	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range1:30~1000MHz	-39.87	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range2:1000~10000MHz	-34.26	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-39.89	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-33.51	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range1:30~1000MHz	-40.43	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range2:1000~10000MHz	-34.24	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range1:30~1000MHz	-39.97	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range2:1000~10000MHz	-33.4	PASS

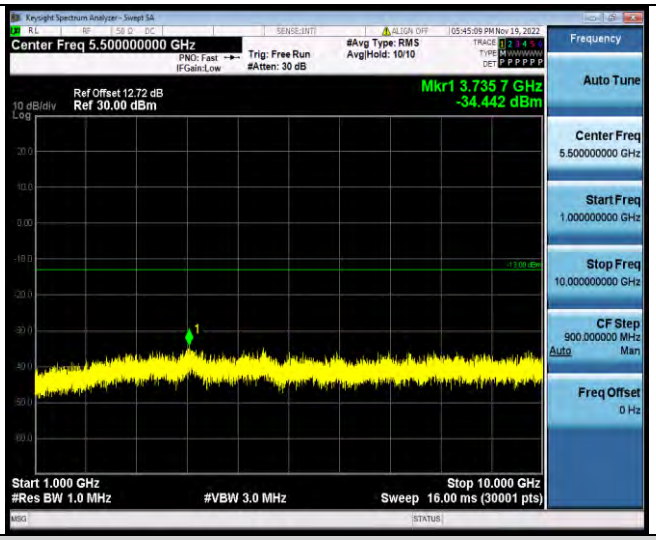
Band12	5MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-40.34	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-33.48	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range1:30~1000MHz	-40.31	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range2:1000~10000MHz	-34.21	PASS
Band12	5MHz	64QAM	23035	1RB#0	Range1:30~1000MHz	-39.66	PASS
Band12	5MHz	64QAM	23035	1RB#0	Range2:1000~10000MHz	-34.48	PASS
Band12	5MHz	64QAM	23095	1RB#0	Range1:30~1000MHz	-40.03	PASS
Band12	5MHz	64QAM	23095	1RB#0	Range2:1000~10000MHz	-34.03	PASS
Band12	5MHz	64QAM	23155	1RB#0	Range1:30~1000MHz	-39.93	PASS
Band12	5MHz	64QAM	23155	1RB#0	Range2:1000~10000MHz	-32.66	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range1:30~1000MHz	-38.51	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range2:1000~10000MHz	-34.28	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-39.72	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-33.75	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range1:30~1000MHz	-39.55	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range2:1000~10000MHz	-34.12	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range1:30~1000MHz	-40.02	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range2:1000~10000MHz	-33.4	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-40.2	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-34.67	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range1:30~1000MHz	-38.51	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range2:1000~10000MHz	-34.59	PASS
Band12	10MHz	64QAM	23060	1RB#0	Range1:30~1000MHz	-39.74	PASS
Band12	10MHz	64QAM	23060	1RB#0	Range2:1000~10000MHz	-34.11	PASS
Band12	10MHz	64QAM	23095	1RB#0	Range1:30~1000MHz	-40.2	PASS
Band12	10MHz	64QAM	23095	1RB#0	Range2:1000~10000MHz	-35.05	PASS
Band12	10MHz	64QAM	23130	1RB#0	Range1:30~1000MHz	-39.75	PASS
Band12	10MHz	64QAM	23130	1RB#0	Range2:1000~10000MHz	-34.09	PASS

Test Graphs

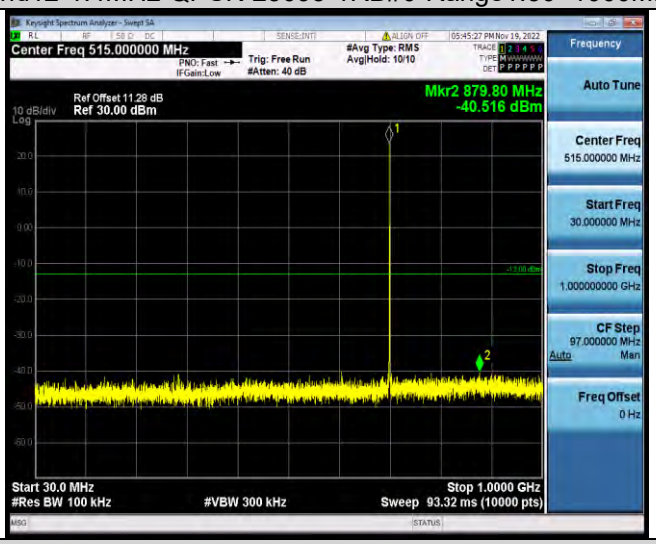
Band12-1.4MHz-QPSK-23017-1RB#0-Range1:30~1000MHz



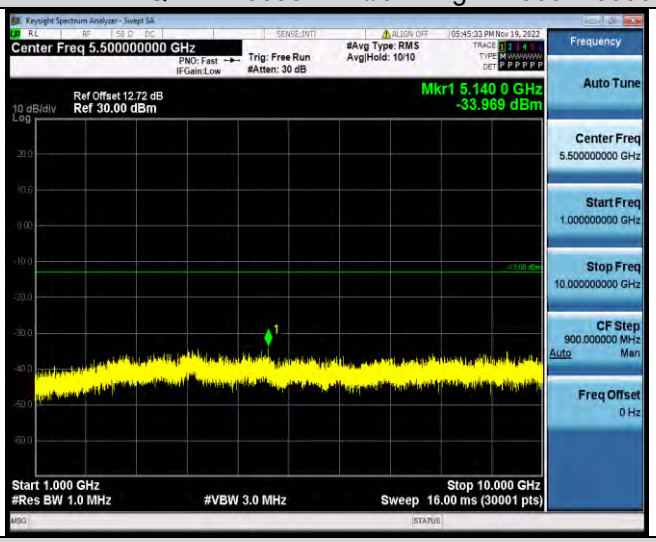
Band12-1.4MHz-QPSK-23017-1RB#0-Range2:1000~10000MHz



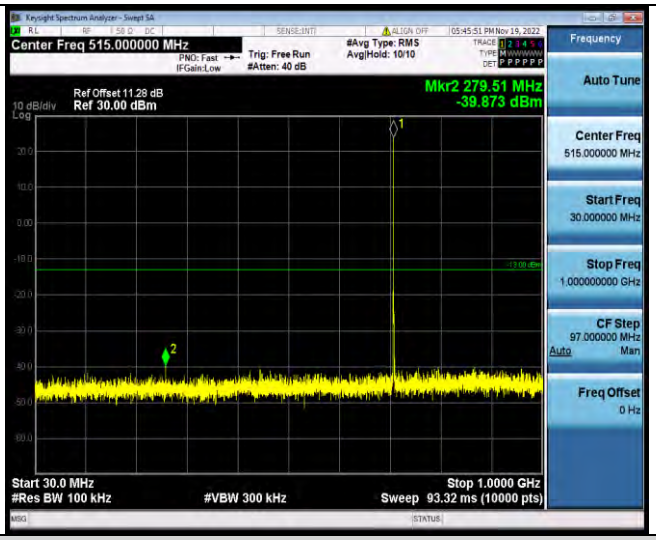
Band12-1.4MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



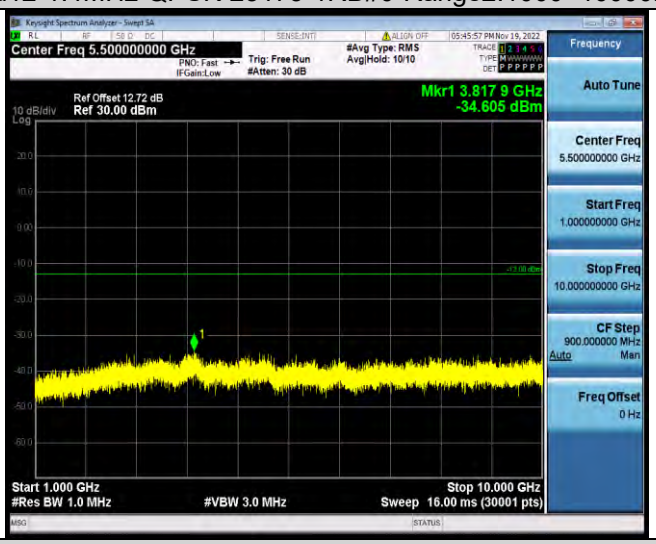
Band12-1.4MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz



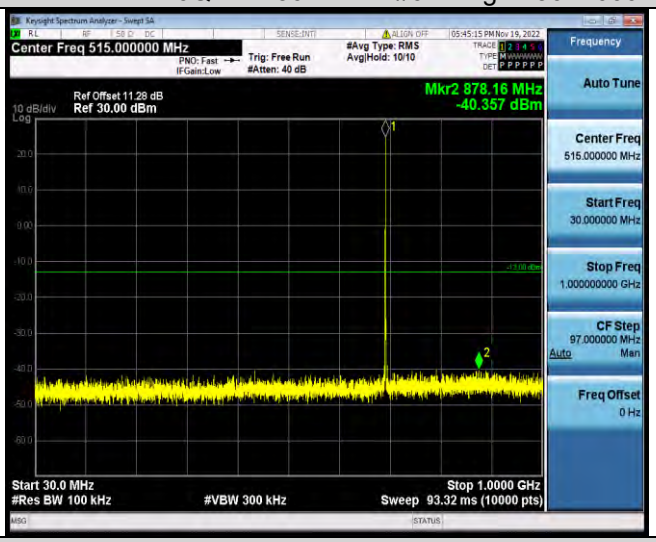
Band12-1.4MHz-QPSK-23173-1RB#0-Range1:30~1000MHz



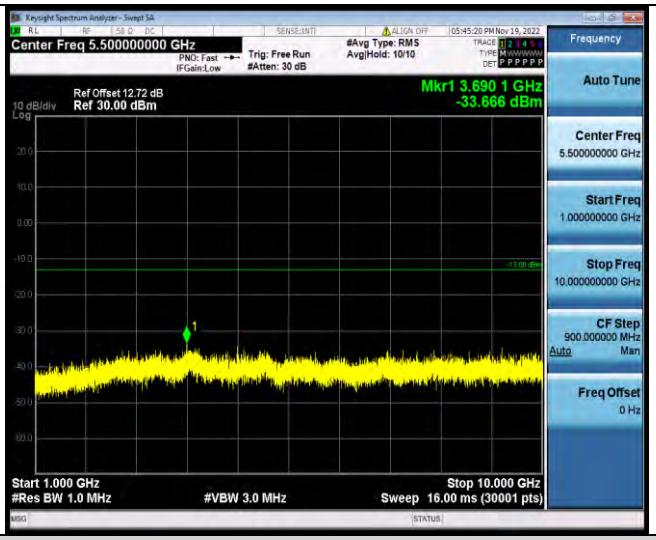
Band12-1.4MHz-QPSK-23173-1RB#0-Range2:1000~10000MHz



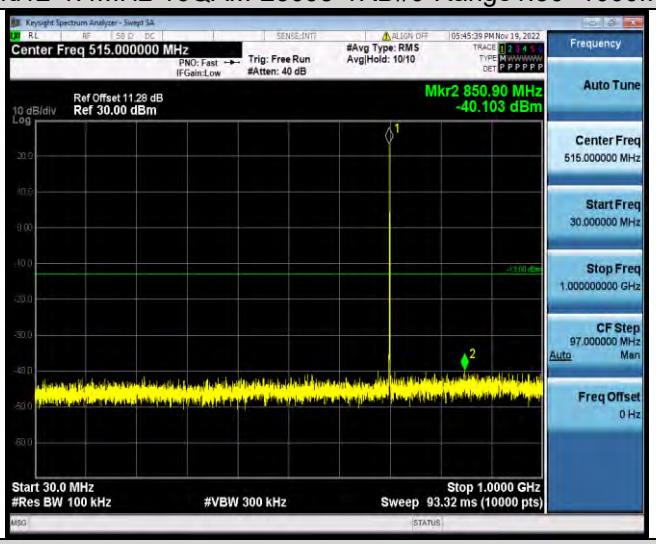
Band12-1.4MHz-16QAM-23017-1RB#0-Range1:30~1000MHz



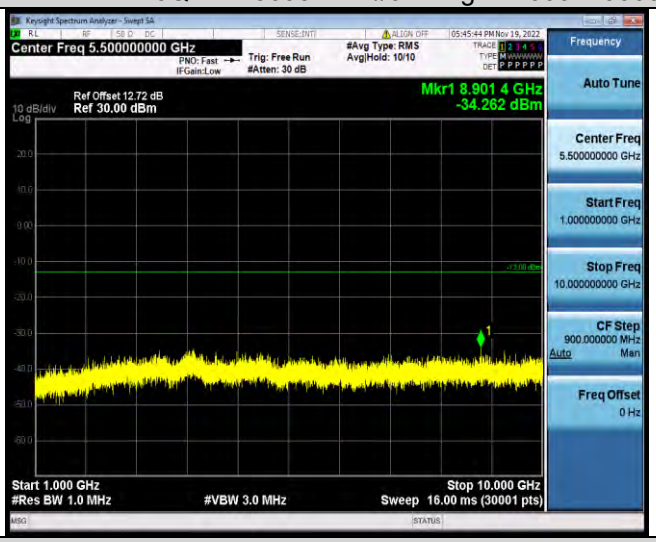
Band12-1.4MHz-16QAM-23017-1RB#0-Range2:1000~10000MHz



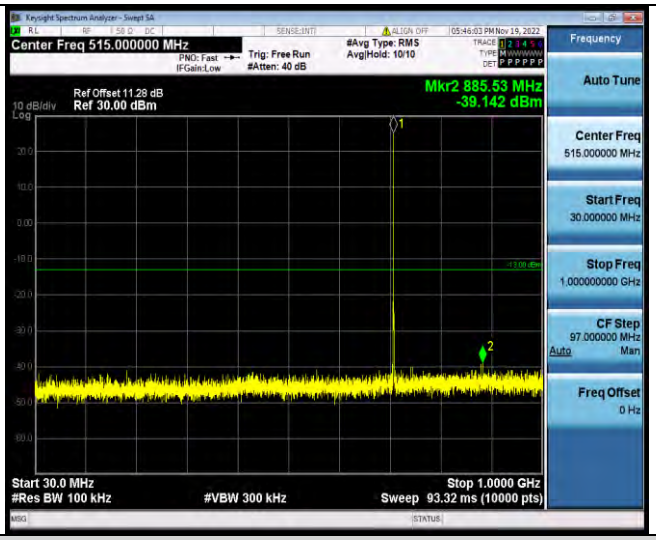
Band12-1.4MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



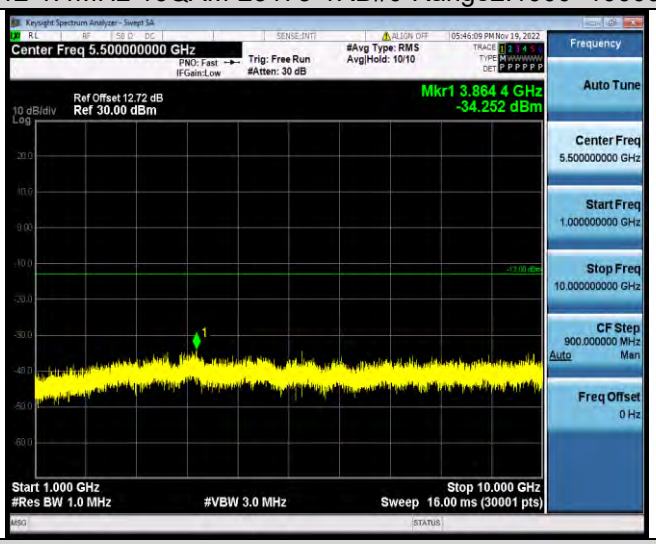
Band12-1.4MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz



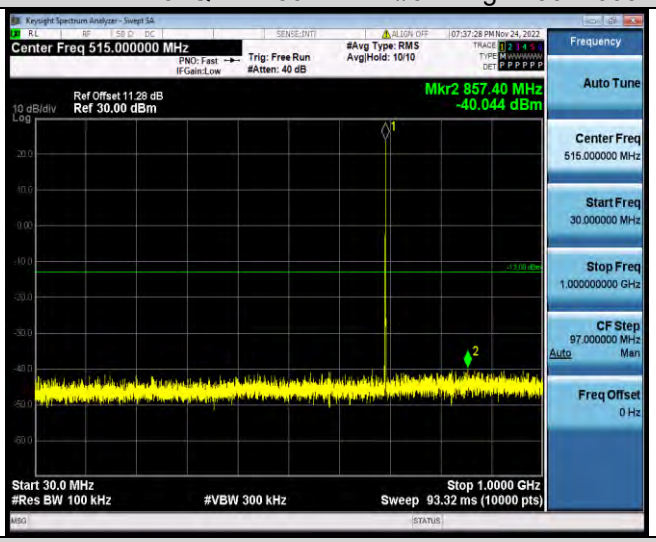
Band12-1.4MHz-16QAM-23173-1RB#0-Range1:30~1000MHz



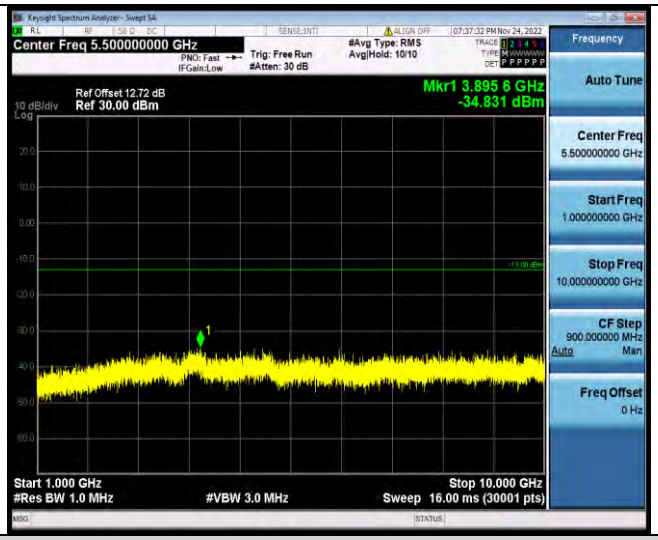
Band12-1.4MHz-16QAM-23173-1RB#0-Range2:1000~10000MHz



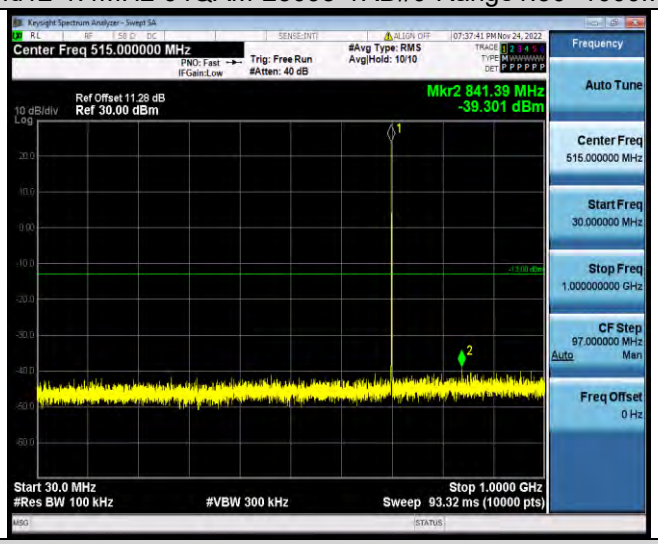
Band12-1.4MHz-64QAM-23017-1RB#0-Range1:30~1000MHz



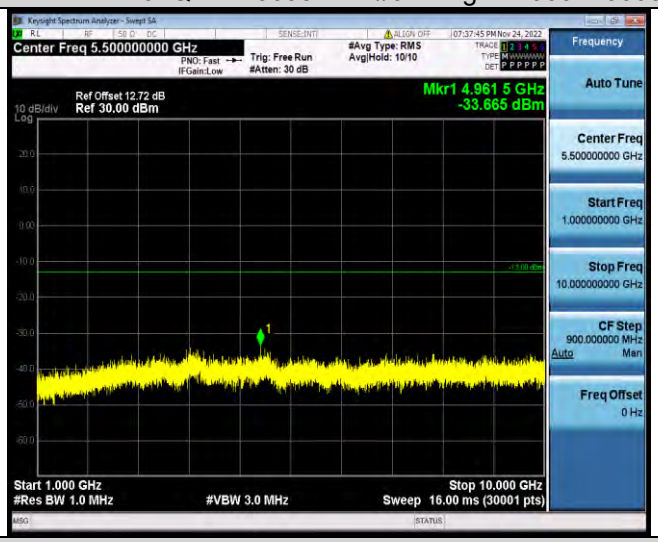
Band12-1.4MHz-64QAM-23017-1RB#0-Range2:1000~10000MHz



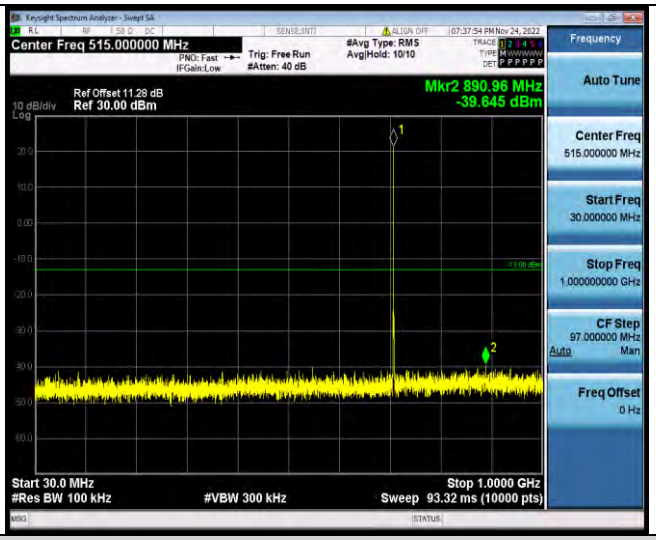
Band12-1.4MHz-64QAM-23095-1RB#0-Range1:30~1000MHz



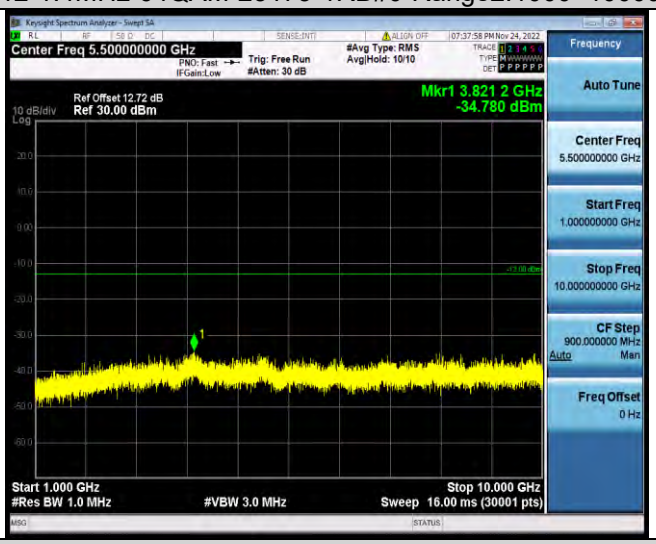
Band12-1.4MHz-64QAM-23095-1RB#0-Range2:1000~10000MHz



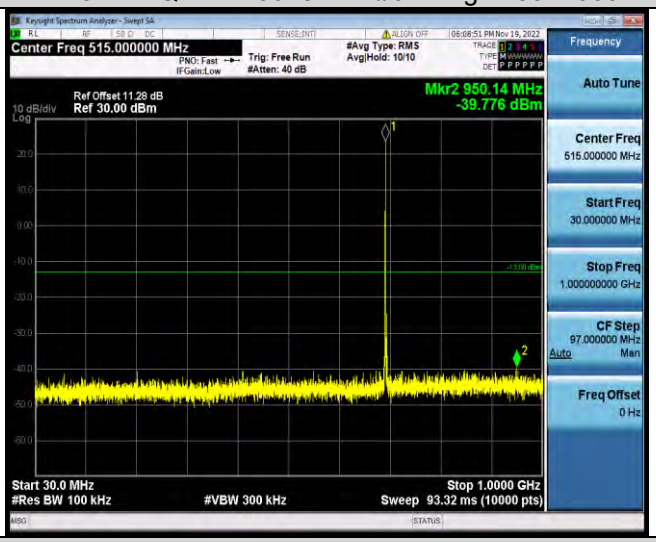
Band12-1.4MHz-64QAM-23173-1RB#0-Range1:30~1000MHz



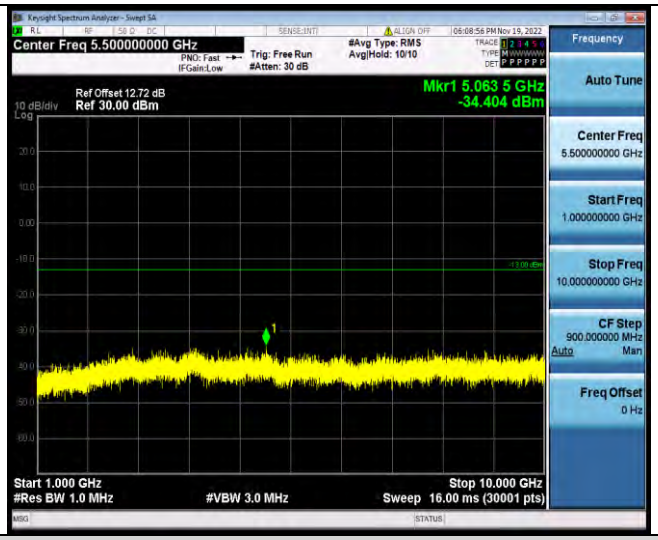
Band12-1.4MHz-64QAM-23173-1RB#0-Range2:1000~10000MHz



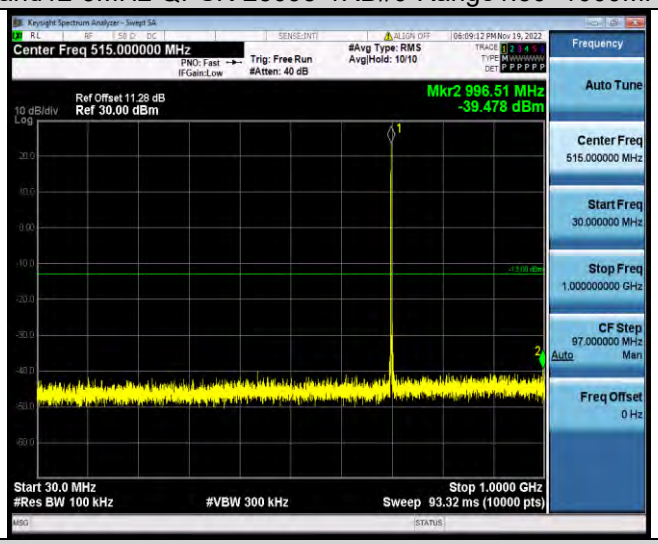
Band12-3MHz-QPSK-23025-1RB#0-Range1:30~1000MHz



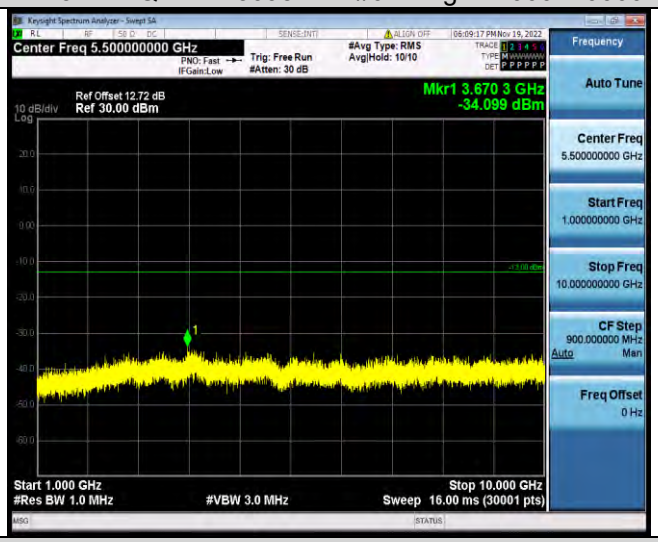
Band12-3MHz-QPSK-23025-1RB#0-Range2:1000~10000MHz



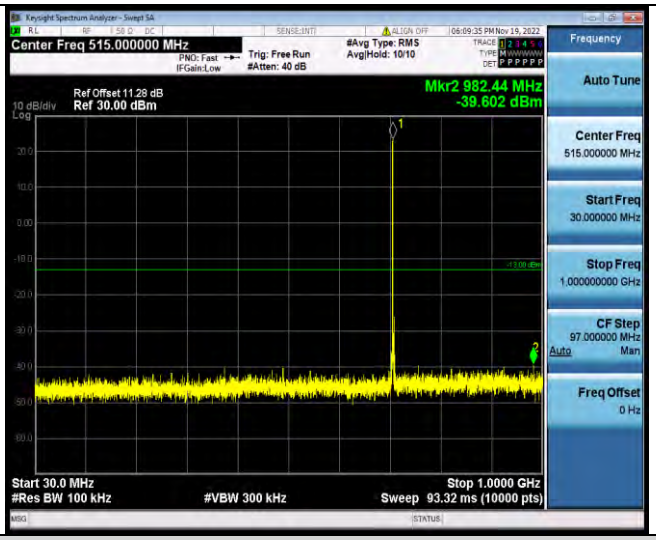
Band12-3MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



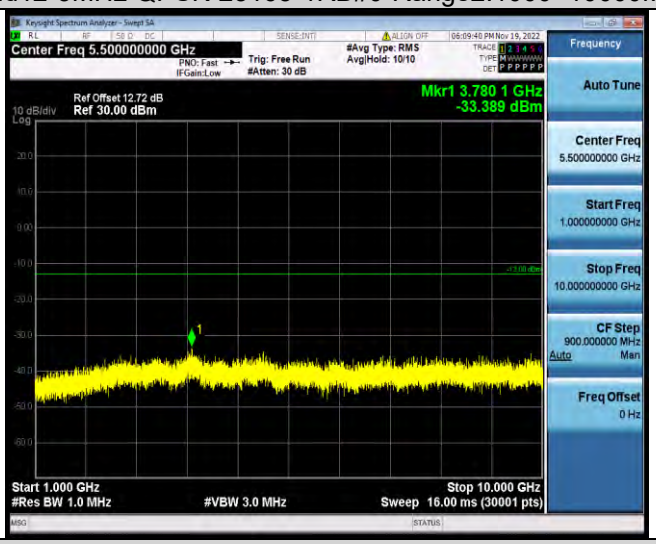
Band12-3MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz



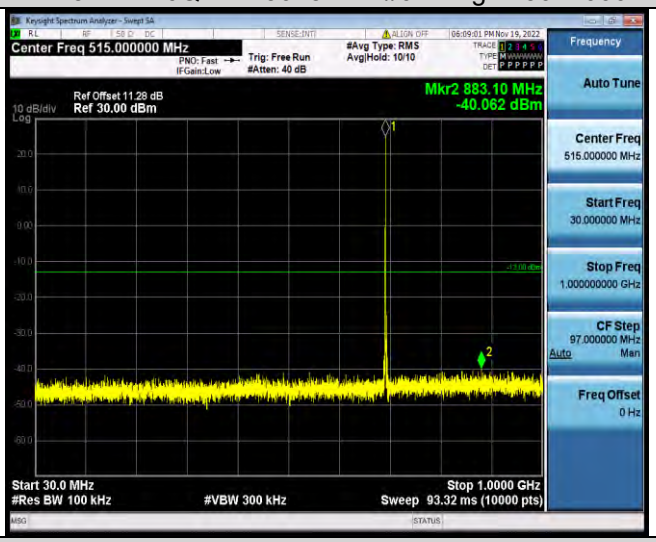
Band12-3MHz-QPSK-23165-1RB#0-Range1:30~1000MHz



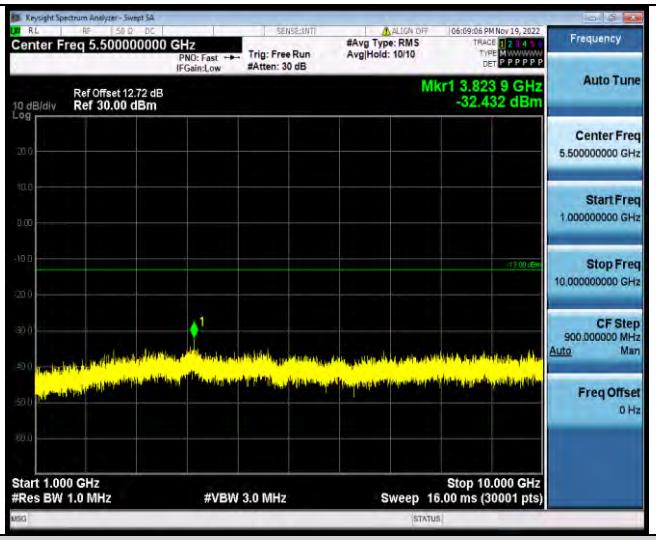
Band12-3MHz-QPSK-23165-1RB#0-Range2:1000~10000MHz



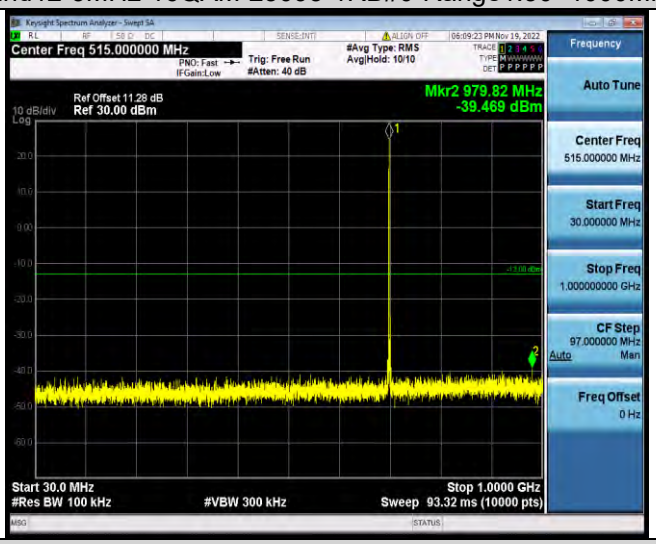
Band12-3MHz-16QAM-23025-1RB#0-Range1:30~1000MHz



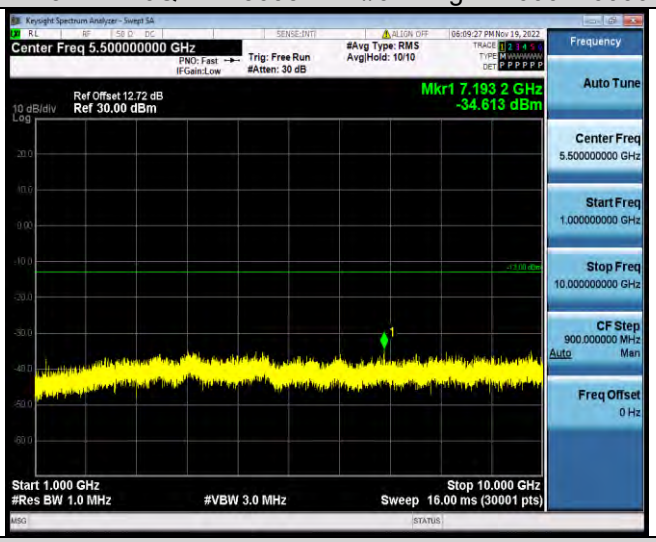
Band12-3MHz-16QAM-23025-1RB#0-Range2:1000~10000MHz



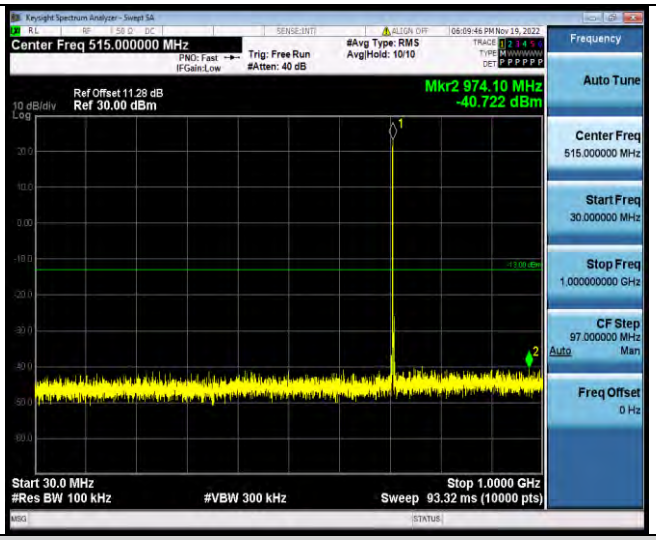
Band12-3MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



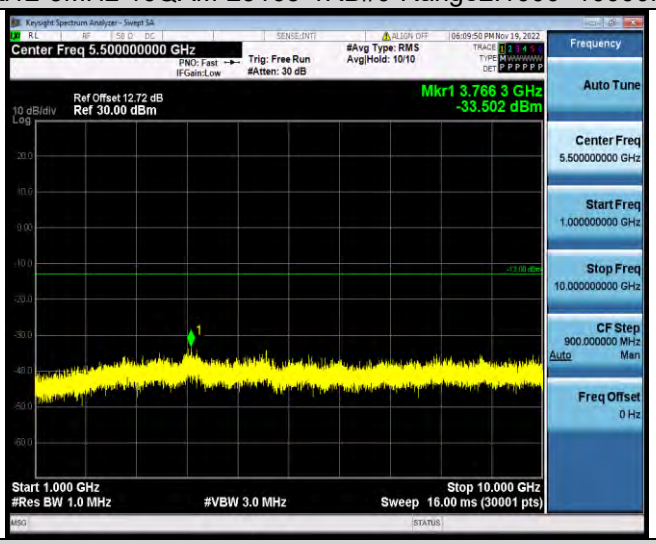
Band12-3MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz



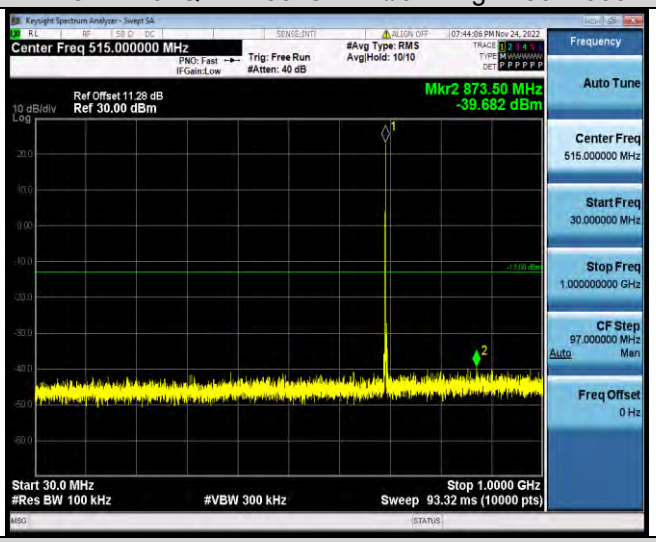
Band12-3MHz-16QAM-23165-1RB#0-Range1:30~1000MHz



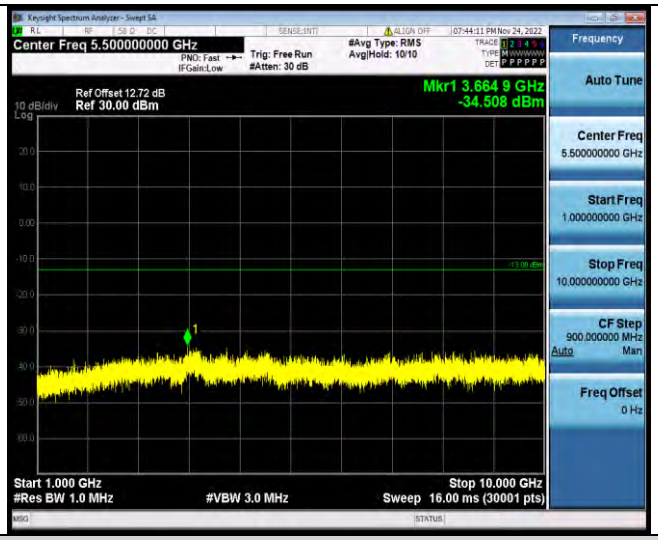
Band12-3MHz-16QAM-23165-1RB#0-Range2:1000~10000MHz



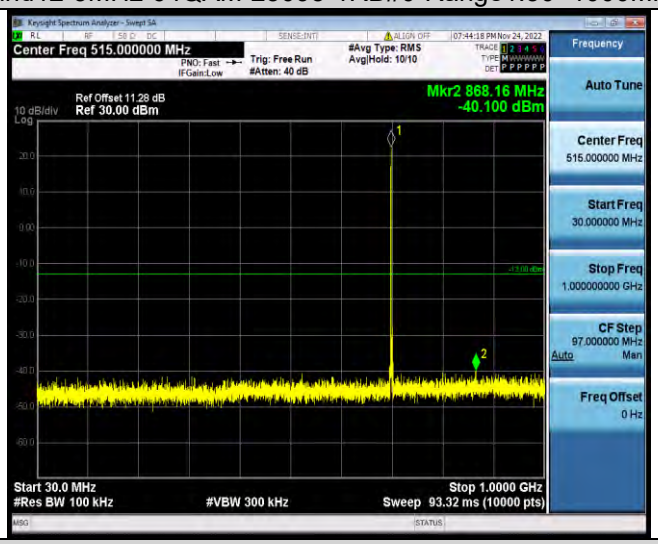
Band12-3MHz-64QAM-23025-1RB#0-Range1:30~1000MHz



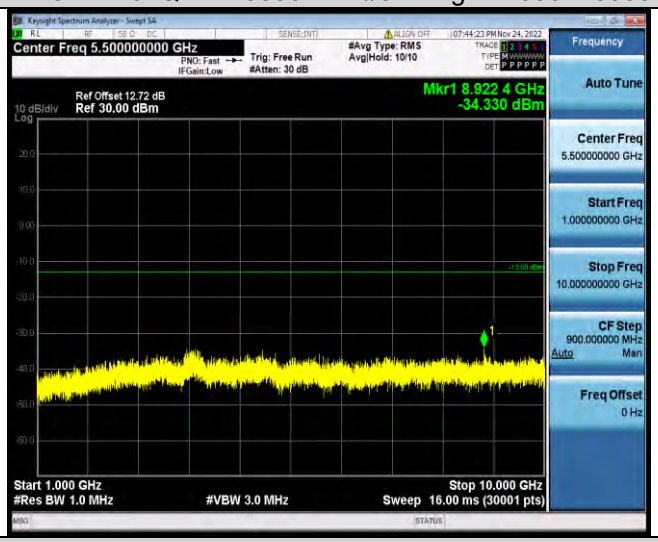
Band12-3MHz-64QAM-23025-1RB#0-Range2:1000~10000MHz



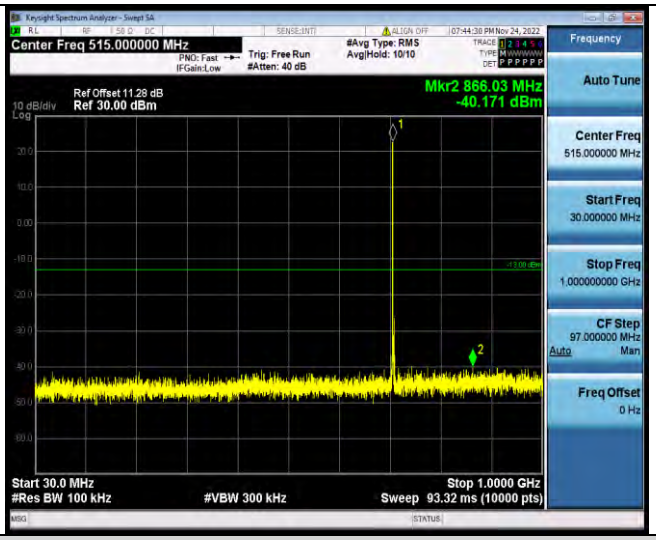
Band12-3MHz-64QAM-23095-1RB#0-Range1:30~1000MHz



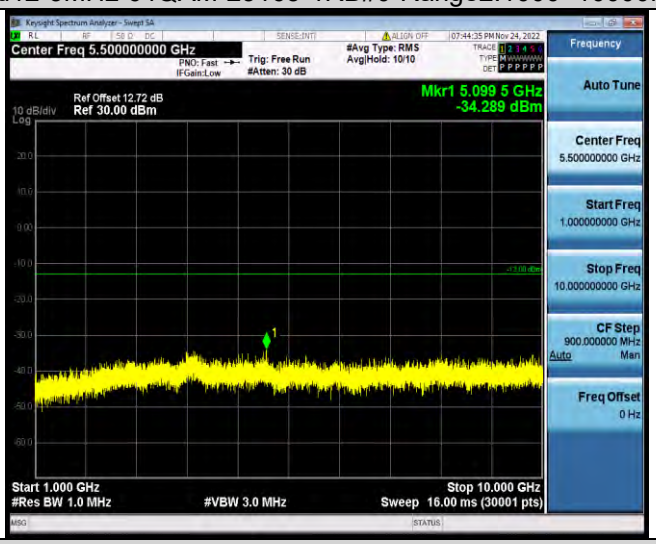
Band12-3MHz-64QAM-23095-1RB#0-Range2:1000~10000MHz



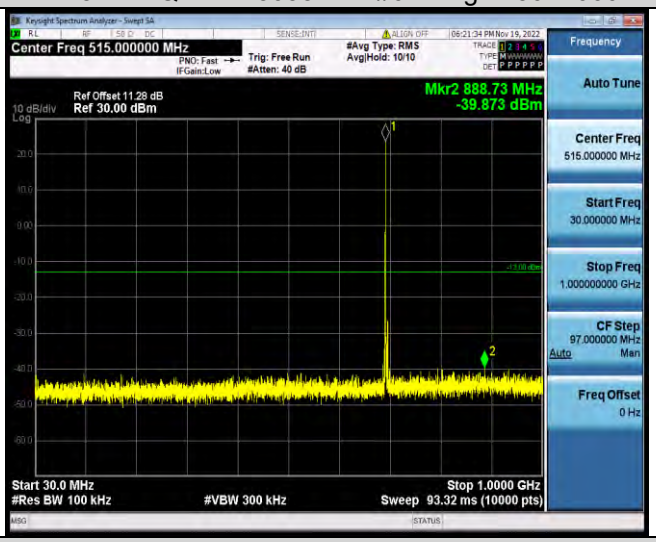
Band12-3MHz-64QAM-23165-1RB#0-Range1:30~1000MHz



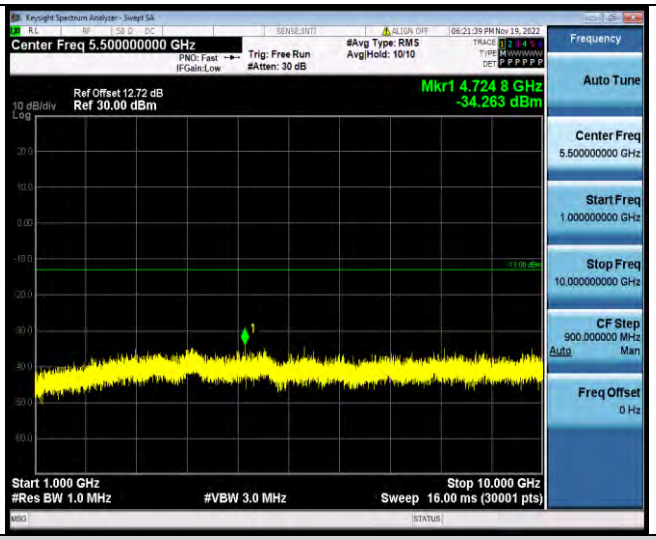
Band12-3MHz-64QAM-23165-1RB#0-Range2:1000~10000MHz



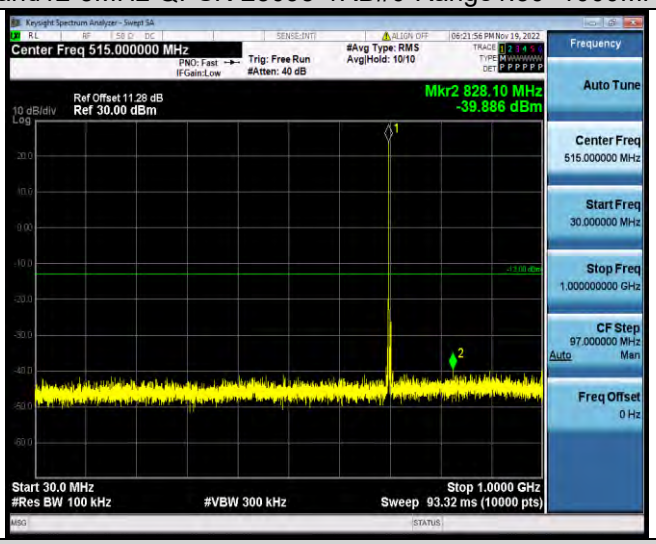
Band12-5MHz-QPSK-23035-1RB#0-Range1:30~1000MHz



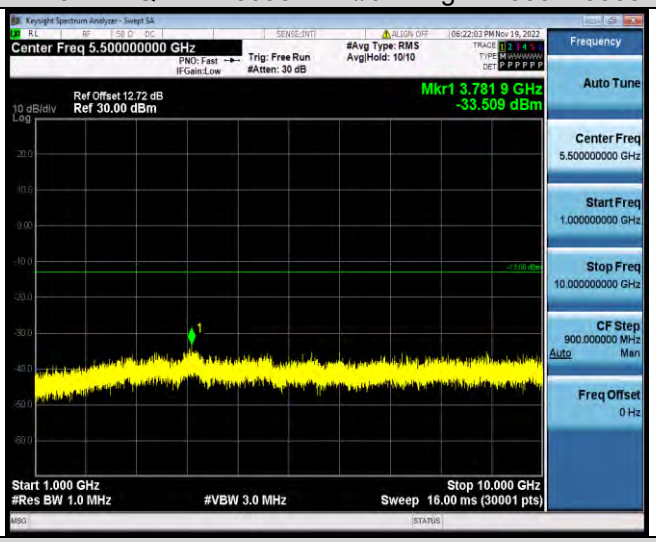
Band12-5MHz-QPSK-23035-1RB#0-Range2:1000~10000MHz



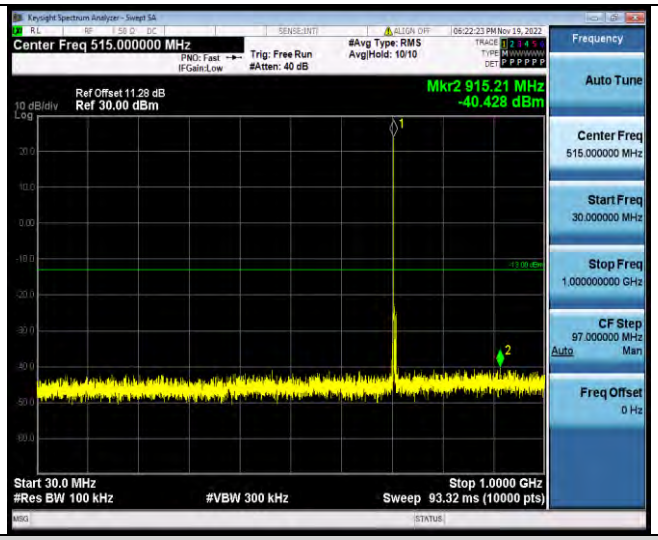
Band12-5MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



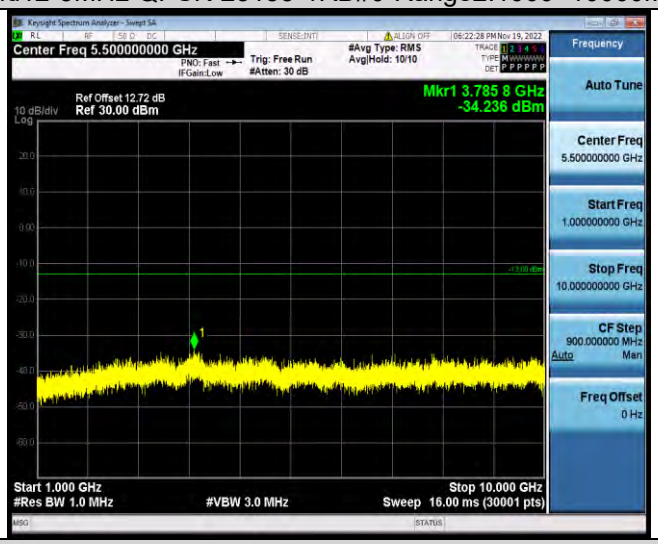
Band12-5MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz



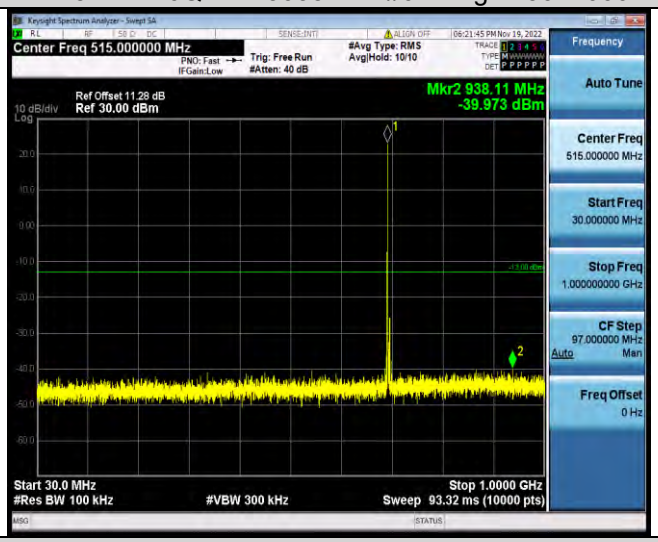
Band12-5MHz-QPSK-23155-1RB#0-Range1:30~1000MHz



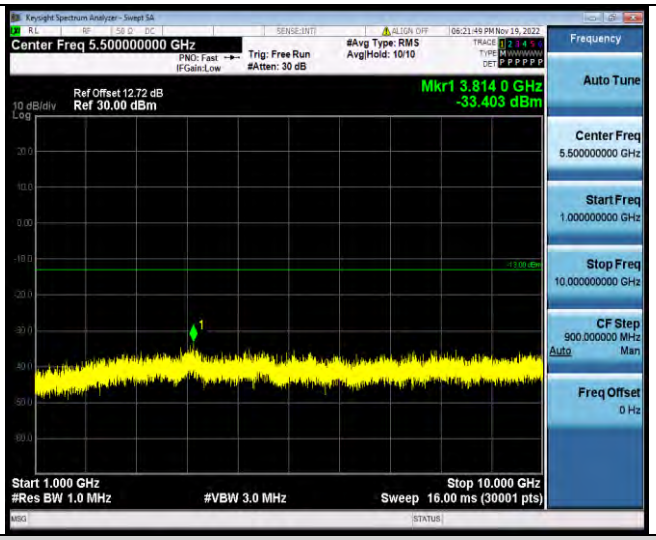
Band12-5MHz-QPSK-23155-1RB#0-Range2:1000~10000MHz



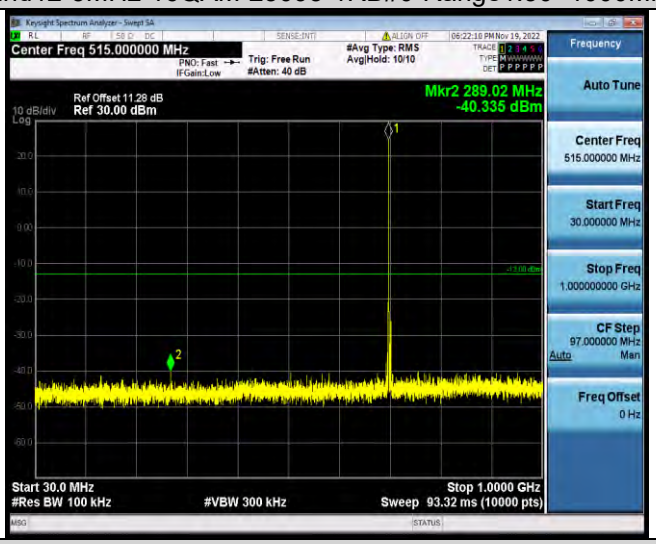
Band12-5MHz-16QAM-23035-1RB#0-Range1:30~1000MHz



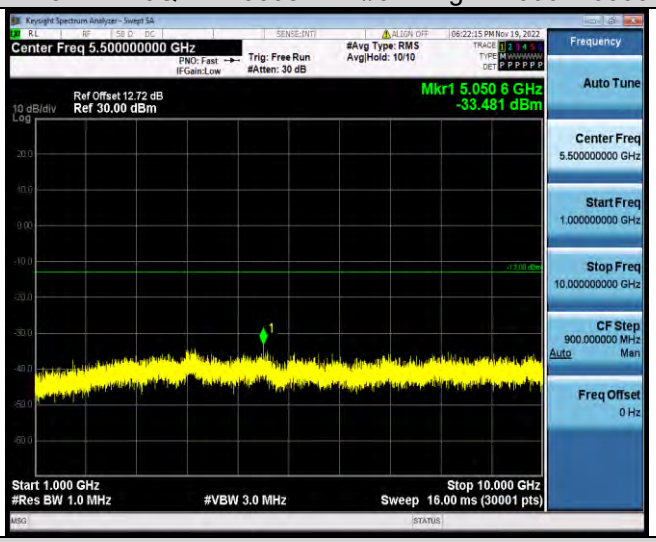
Band12-5MHz-16QAM-23035-1RB#0-Range2:1000~10000MHz



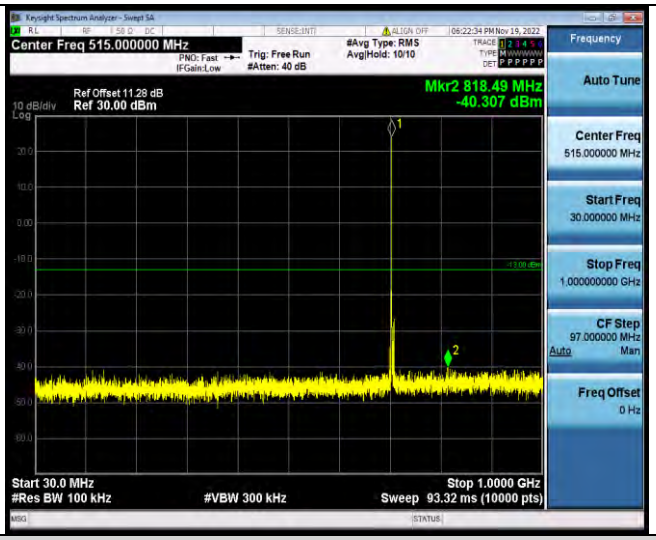
Band12-5MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



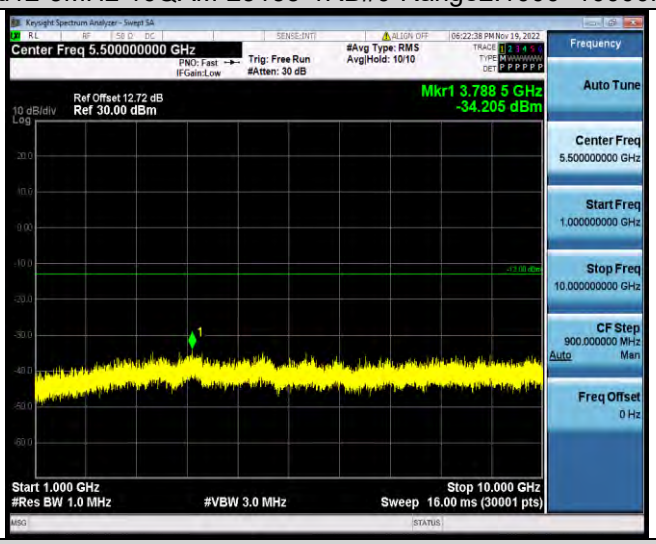
Band12-5MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz



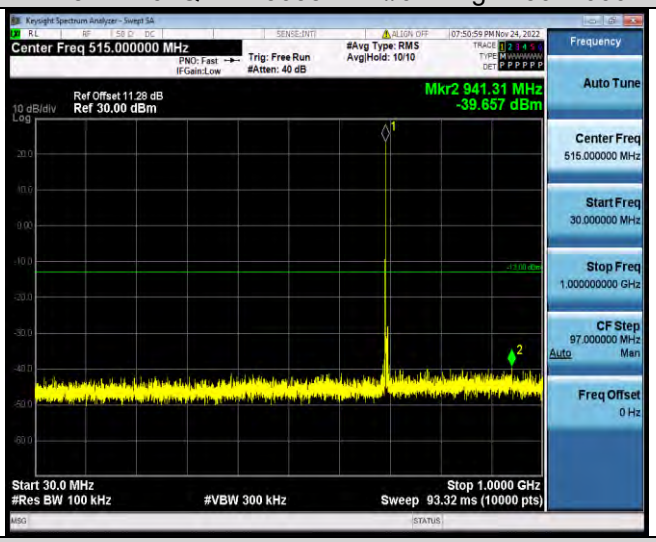
Band12-5MHz-16QAM-23155-1RB#0-Range1:30~1000MHz



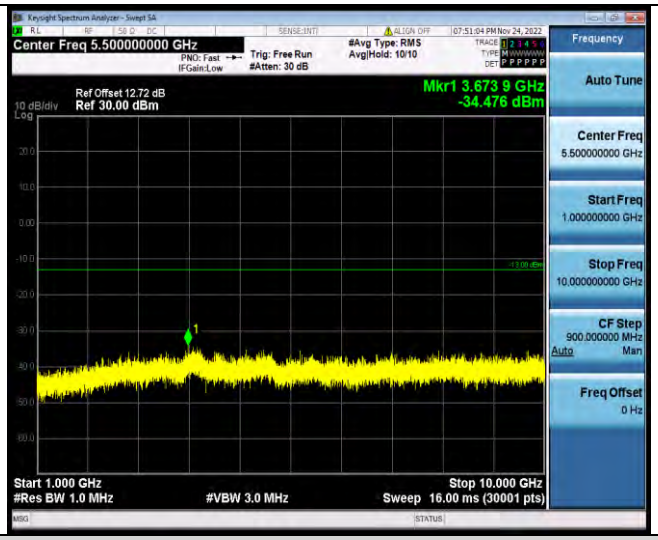
Band12-5MHz-16QAM-23155-1RB#0-Range2:1000~10000MHz



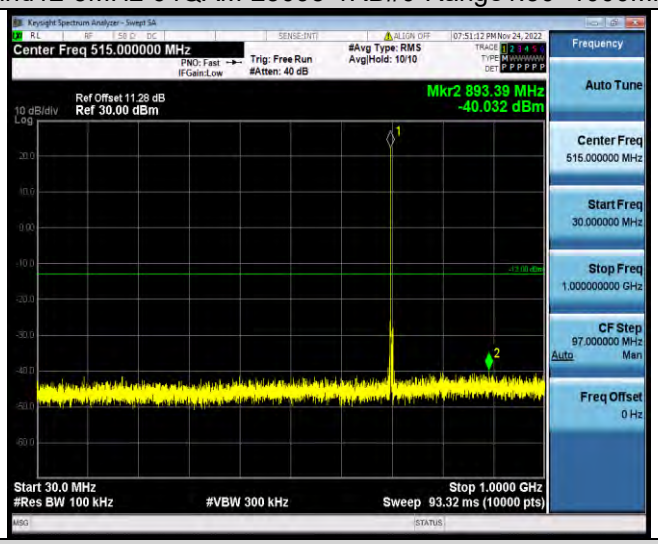
Band12-5MHz-64QAM-23035-1RB#0-Range1:30~1000MHz



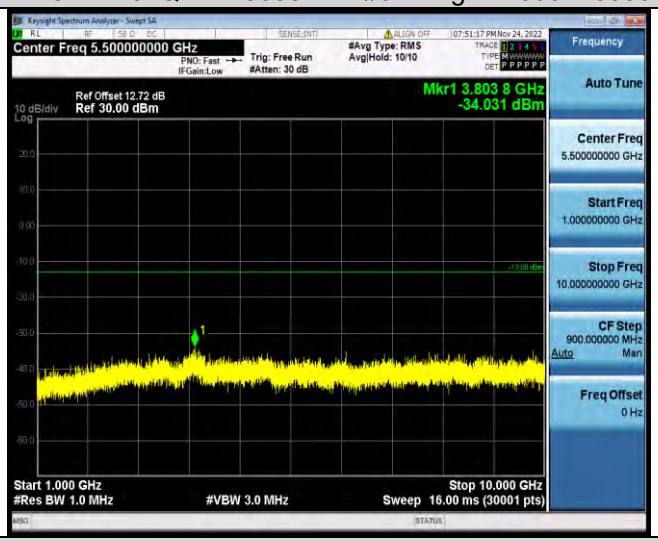
Band12-5MHz-64QAM-23035-1RB#0-Range2:1000~10000MHz



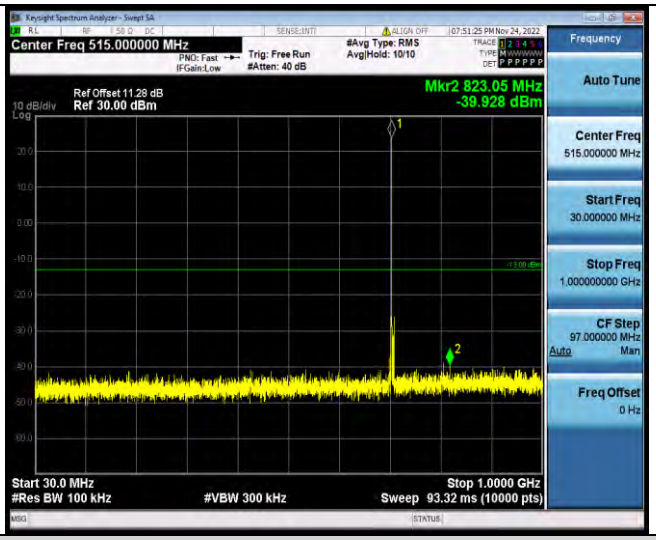
Band12-5MHz-64QAM-23095-1RB#0-Range1:30~1000MHz



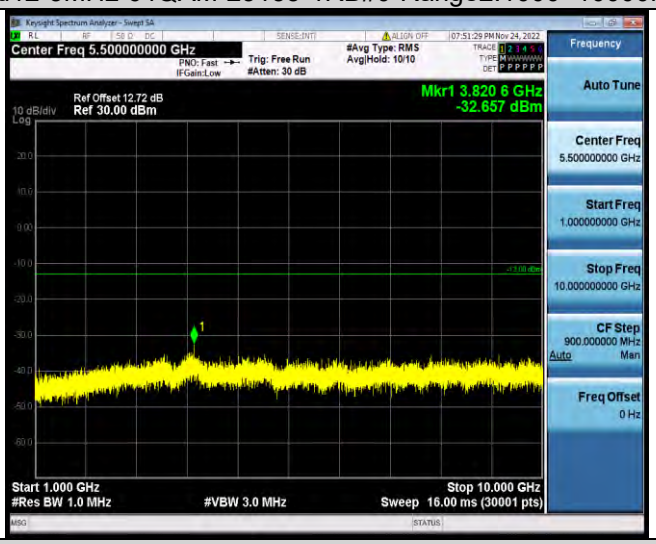
Band12-5MHz-64QAM-23095-1RB#0-Range2:1000~10000MHz



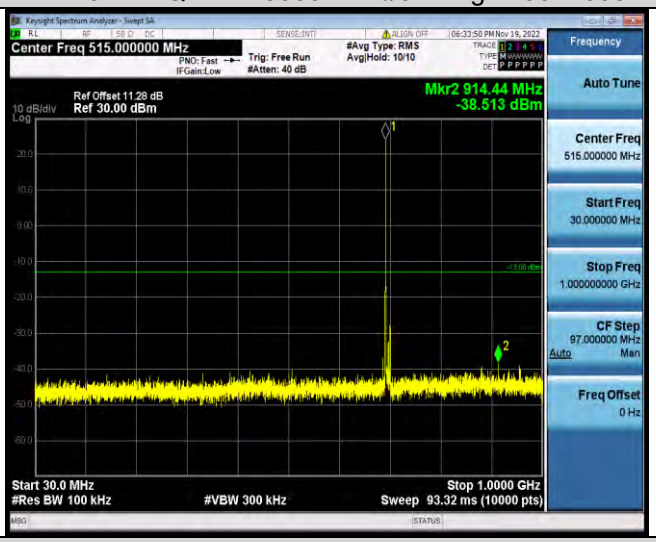
Band12-5MHz-64QAM-23155-1RB#0-Range1:30~1000MHz



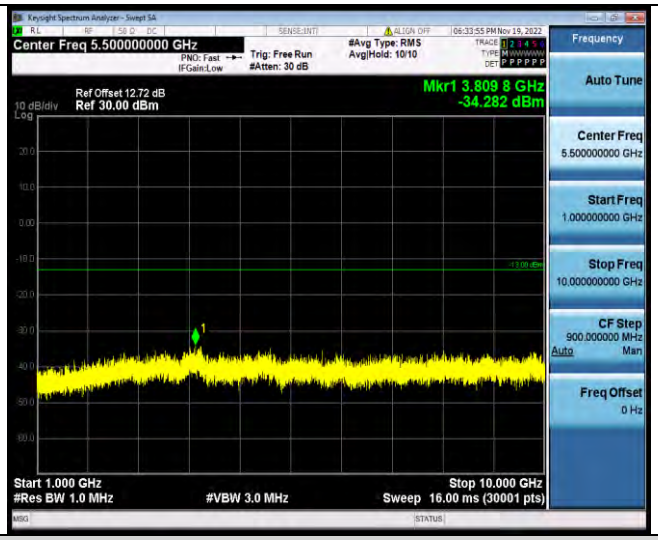
Band12-5MHz-64QAM-23155-1RB#0-Range2:1000~10000MHz



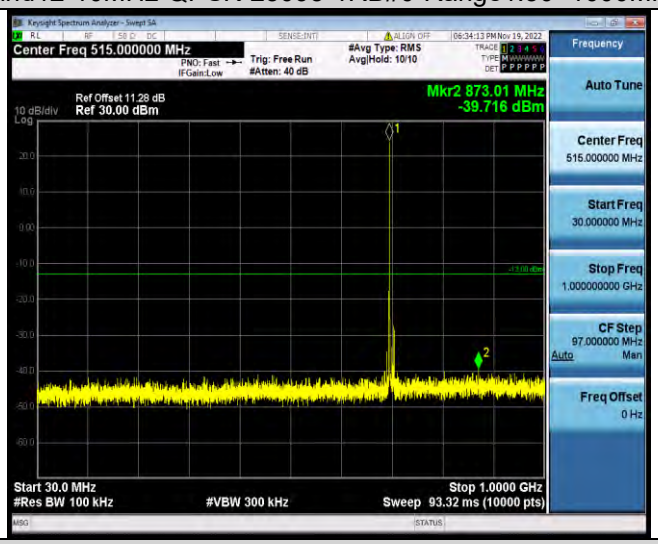
Band12-10MHz-QPSK-23060-1RB#0-Range1:30~1000MHz



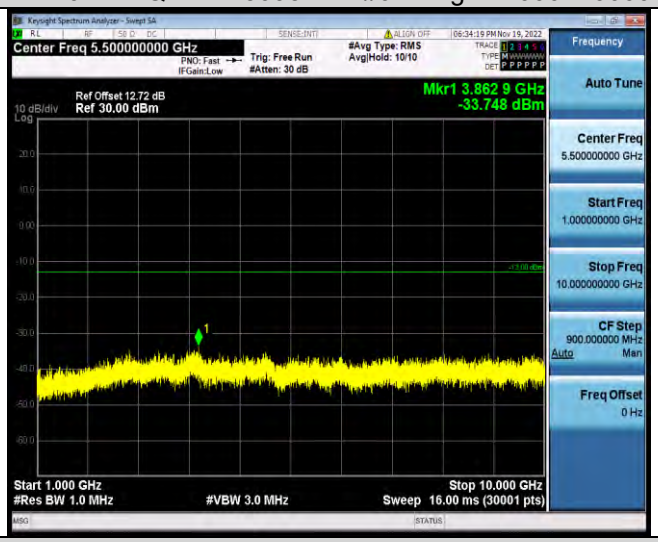
Band12-10MHz-QPSK-23060-1RB#0-Range2:1000~10000MHz



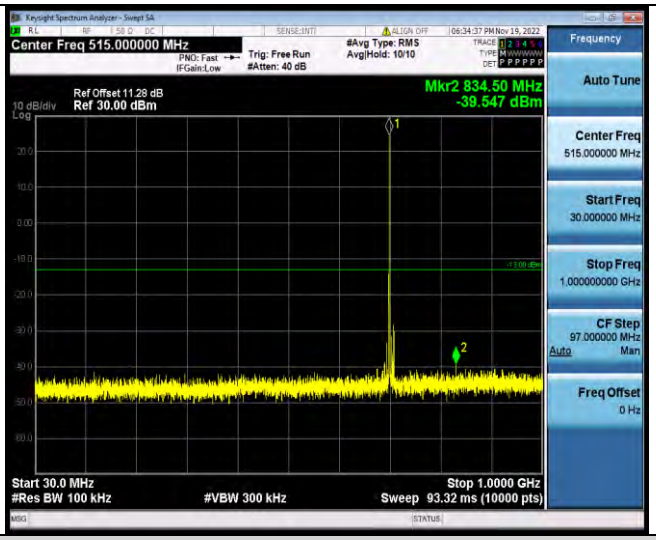
Band12-10MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



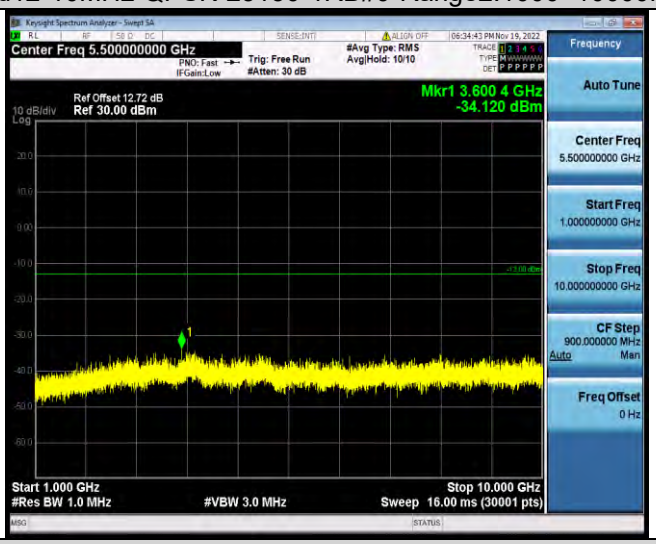
Band12-10MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz



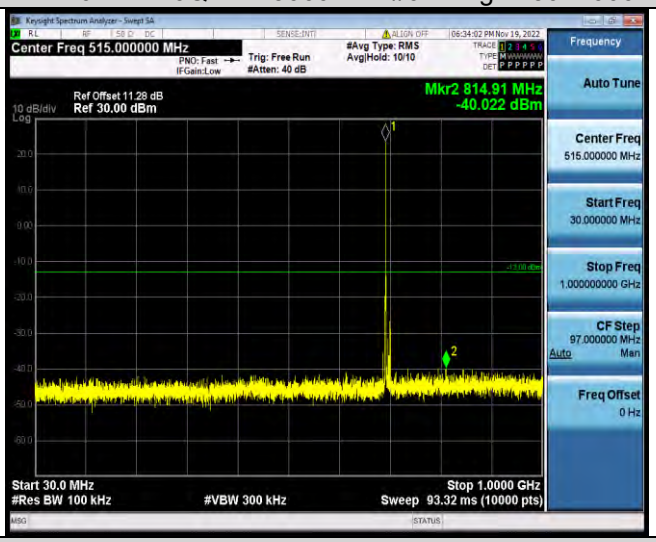
Band12-10MHz-QPSK-23130-1RB#0-Range1:30~1000MHz



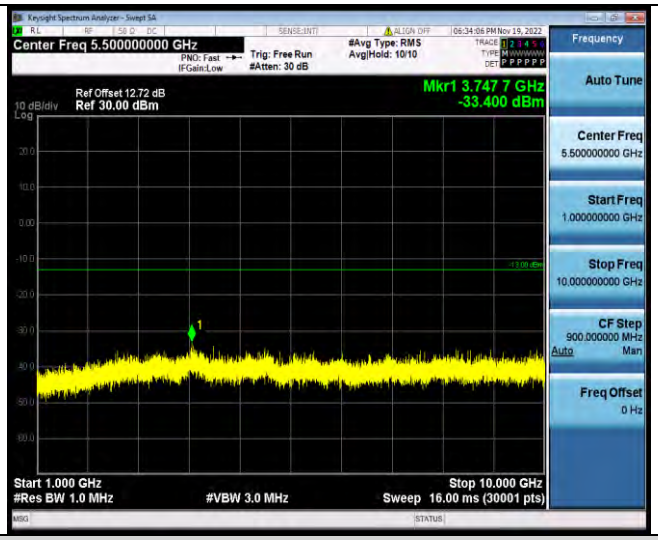
Band12-10MHz-QPSK-23130-1RB#0-Range2:1000~10000MHz



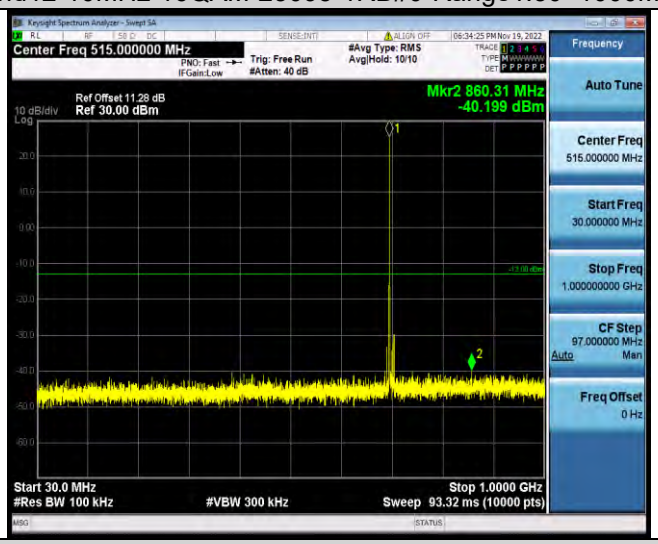
Band12-10MHz-16QAM-23060-1RB#0-Range1:30~1000MHz



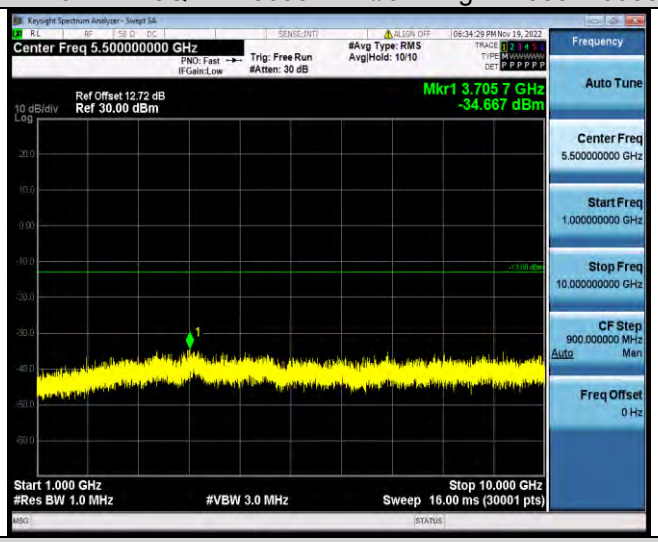
Band12-10MHz-16QAM-23060-1RB#0-Range2:1000~10000MHz



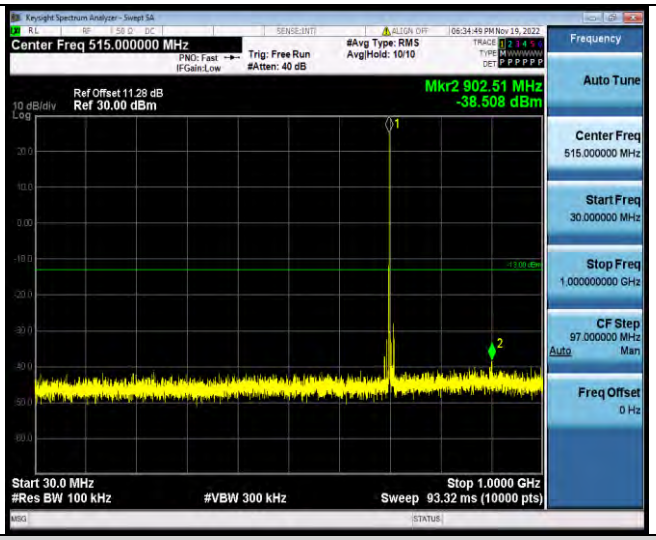
Band12-10MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



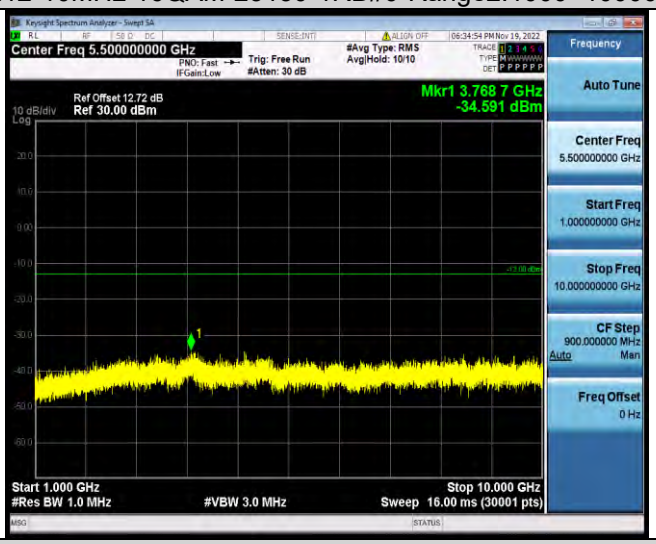
Band12-10MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz



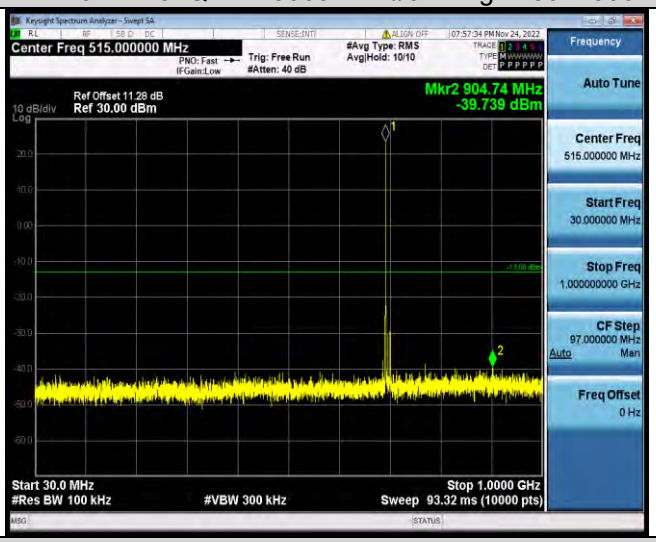
Band12-10MHz-16QAM-23130-1RB#0-Range1:30~1000MHz



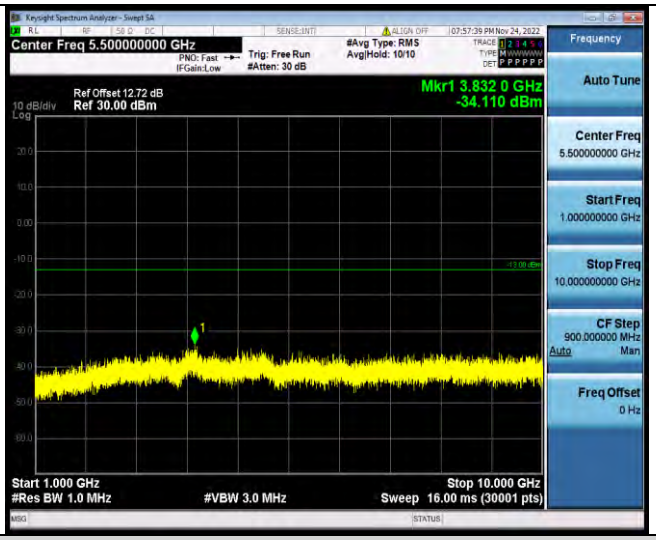
Band12-10MHz-16QAM-23130-1RB#0-Range2:1000~10000MHz



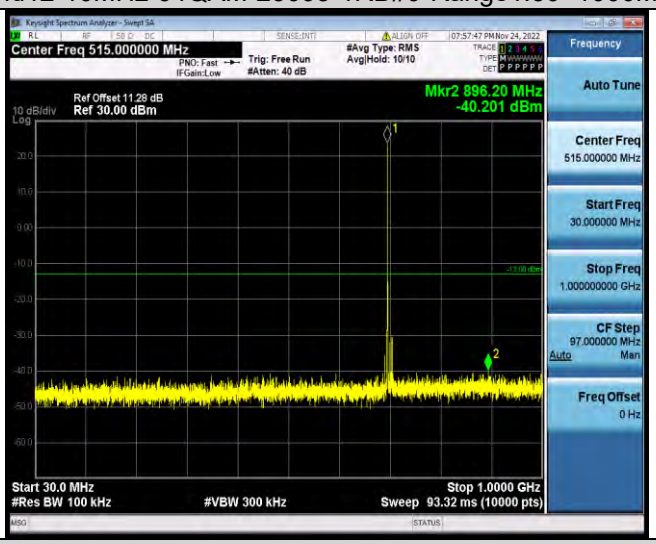
Band12-10MHz-64QAM-23060-1RB#0-Range1:30~1000MHz



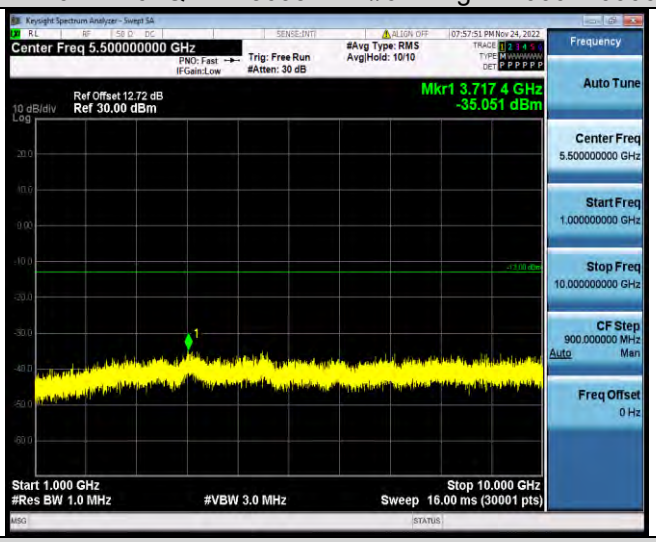
Band12-10MHz-64QAM-23060-1RB#0-Range2:1000~10000MHz



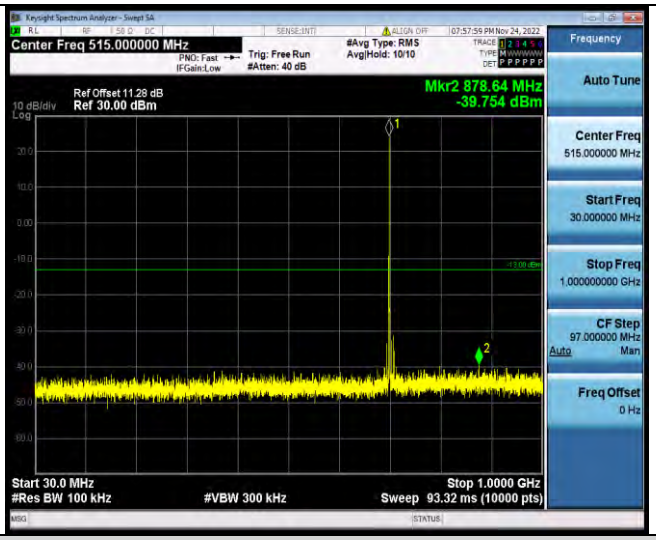
Band12-10MHz-64QAM-23095-1RB#0-Range1:30~1000MHz



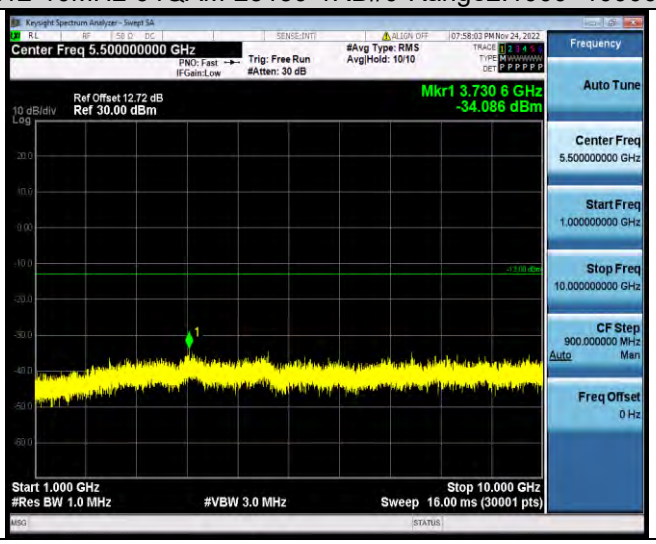
Band12-10MHz-64QAM-23095-1RB#0-Range2:1000~10000MHz



Band12-10MHz-64QAM-23130-1RB#0-Range1:30~1000MHz



Band12-10MHz-64QAM-23130-1RB#0-Range2:1000~10000MHz



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	-6.75	-0.009647	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	VN	NT	-16.18	-0.023124	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	VH	NT	-5.02	-0.007175	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	VL	NT	-16.57	-0.023420	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	VN	NT	-7.62	-0.010770	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	VH	NT	-11.14	-0.015746	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	VL	NT	-17.18	-0.024018	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	VN	NT	-12.29	-0.017182	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	VH	NT	-9.31	-0.013016	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	VL	NT	-4.11	-0.005874	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	VN	NT	-3.68	-0.005259	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	VH	NT	2.05	0.002930	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	VL	NT	-1.95	-0.002756	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	VN	NT	-3.66	-0.005173	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	VH	NT	-3.48	-0.004919	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	VL	NT	1.90	0.002656	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	VN	NT	-2.69	-0.003761	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	VH	NT	-3.28	-0.004585	±2.5	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	VL	NT	-3.12	-0.004459	±2.5	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	VN	NT	-8.33	-0.011905	±2.5	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	VH	NT	-3.88	-0.005545	±2.5	PASS

Band12	1.4MHz	64QAM	23095	6RB#0	VL	NT	-7.65	-0.010813	±2.5	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	VN	NT	-8.60	-0.012155	±2.5	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	VH	NT	-3.86	-0.005456	±2.5	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	VL	NT	-9.84	-0.013756	±2.5	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	VN	NT	-15.72	-0.021977	±2.5	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	VH	NT	-5.79	-0.008095	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	VL	NT	3.50	0.004996	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	VN	NT	2.89	0.004126	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	VH	NT	-3.85	-0.005496	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	VL	NT	3.39	0.004792	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	VN	NT	3.19	0.004509	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	VH	NT	2.45	0.003463	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	VL	NT	3.43	0.004801	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	VN	NT	3.16	0.004423	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	VH	NT	4.39	0.006144	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	VL	NT	2.68	0.003826	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	VN	NT	2.57	0.003669	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	VH	NT	6.51	0.009293	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	VL	NT	2.46	0.003477	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	VN	NT	2.60	0.003675	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	VH	NT	2.20	0.003110	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	VL	NT	3.85	0.005388	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	VN	NT	6.48	0.009069	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	VH	NT	8.31	0.011631	±2.5	PASS
Band12	3MHz	64QAM	23025	15RB#0	VL	NT	2.40	0.003426	±2.5	PASS
Band12	3MHz	64QAM	23025	15RB#0	VN	NT	-1.66	-0.002370	±2.5	PASS
Band1	3MHz	64QAM	23025	15RB#0	VH	NT	-1.43	-0.002041	±2.5	PASS

2										
Band1 2	3MHz	64QAM	23095	15RB#0	VL	NT	4.05	0.005724	±2.5	PASS
Band1 2	3MHz	64QAM	23095	15RB#0	VN	NT	6.32	0.008933	±2.5	PASS
Band1 2	3MHz	64QAM	23095	15RB#0	VH	NT	3.00	0.004240	±2.5	PASS
Band1 2	3MHz	64QAM	23165	15RB#0	VL	NT	3.86	0.005402	±2.5	PASS
Band1 2	3MHz	64QAM	23165	15RB#0	VN	NT	3.58	0.005010	±2.5	PASS
Band1 2	3MHz	64QAM	23165	15RB#0	VH	NT	2.20	0.003079	±2.5	PASS
Band1 2	5MHz	QPSK	23035	25RB#0	VL	NT	2.13	0.003036	±2.5	PASS
Band1 2	5MHz	QPSK	23035	25RB#0	VN	NT	2.16	0.003079	±2.5	PASS
Band1 2	5MHz	QPSK	23035	25RB#0	VH	NT	2.96	0.004220	±2.5	PASS
Band1 2	5MHz	QPSK	23095	25RB#0	VL	NT	1.77	0.002502	±2.5	PASS
Band1 2	5MHz	QPSK	23095	25RB#0	VN	NT	-2.42	-0.003420	±2.5	PASS
Band1 2	5MHz	QPSK	23095	25RB#0	VH	NT	-0.72	-0.001018	±2.5	PASS
Band1 2	5MHz	QPSK	23155	25RB#0	VL	NT	-2.89	-0.004050	±2.5	PASS
Band1 2	5MHz	QPSK	23155	25RB#0	VN	NT	2.49	0.003490	±2.5	PASS
Band1 2	5MHz	QPSK	23155	25RB#0	VH	NT	3.85	0.005396	±2.5	PASS
Band1 2	5MHz	16QAM	23035	25RB#0	VL	NT	1.93	0.002751	±2.5	PASS
Band1 2	5MHz	16QAM	23035	25RB#0	VN	NT	-3.20	-0.004562	±2.5	PASS
Band1 2	5MHz	16QAM	23035	25RB#0	VH	NT	-1.89	-0.002694	±2.5	PASS
Band1 2	5MHz	16QAM	23095	25RB#0	VL	NT	4.99	0.007053	±2.5	PASS
Band1 2	5MHz	16QAM	23095	25RB#0	VN	NT	1.53	0.002163	±2.5	PASS
Band1 2	5MHz	16QAM	23095	25RB#0	VH	NT	11.92	0.016848	±2.5	PASS
Band1 2	5MHz	16QAM	23155	25RB#0	VL	NT	4.96	0.006952	±2.5	PASS
Band1 2	5MHz	16QAM	23155	25RB#0	VN	NT	3.95	0.005536	±2.5	PASS
Band1 2	5MHz	16QAM	23155	25RB#0	VH	NT	1.99	0.002789	±2.5	PASS
Band1 2	5MHz	64QAM	23035	25RB#0	VL	NT	-2.06	-0.002937	±2.5	PASS
Band1 2	5MHz	64QAM	23035	25RB#0	VN	NT	3.35	0.004775	±2.5	PASS

Band12	5MHz	64QAM	23035	25RB#0	VH	NT	3.15	0.004490	±2.5	PASS
Band12	5MHz	64QAM	23095	25RB#0	VL	NT	3.52	0.004975	±2.5	PASS
Band12	5MHz	64QAM	23095	25RB#0	VN	NT	2.65	0.003746	±2.5	PASS
Band12	5MHz	64QAM	23095	25RB#0	VH	NT	10.17	0.014375	±2.5	PASS
Band12	5MHz	64QAM	23155	25RB#0	VL	NT	-1.75	-0.002453	±2.5	PASS
Band12	5MHz	64QAM	23155	25RB#0	VN	NT	-2.07	-0.002901	±2.5	PASS
Band12	5MHz	64QAM	23155	25RB#0	VH	NT	4.01	0.005620	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VL	NT	1.72	0.002443	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VN	NT	-2.27	-0.003224	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VH	NT	3.09	0.004389	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VL	NT	3.58	0.005060	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VN	NT	3.29	0.004650	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VH	NT	54.56	0.077117	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VL	NT	-2.75	-0.003868	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VN	NT	-3.82	-0.005373	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VH	NT	-3.93	-0.005527	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VL	NT	1.66	0.002358	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VN	NT	-1.82	-0.002585	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VH	NT	4.79	0.006804	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VL	NT	-2.78	-0.003929	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VN	NT	2.20	0.003110	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VH	NT	2.66	0.003760	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VL	NT	-2.02	-0.002841	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VN	NT	-3.92	-0.005513	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VH	NT	-3.71	-0.005218	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	VL	NT	4.42	0.006278	±2.5	PASS
Band1	10MHz	64QAM	23060	50RB#0	VN	NT	4.33	0.006151	±2.5	PASS

2										
Band12	10MHz	64QAM	23060	50RB#0	VH	NT	1.09	0.001548	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	VL	NT	4.48	0.006332	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	VN	NT	3.45	0.004876	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	VH	NT	3.05	0.004311	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	VL	NT	-3.18	-0.004473	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	VN	NT	1.37	0.001927	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	VH	NT	-2.56	-0.003601	±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	-4.16	-0.005945	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	-20	-1.90	-0.002715	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	0	-3.45	-0.004931	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	10	2.20	0.003144	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	20	3.76	0.005374	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	-30	-4.02	-0.005682	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	-20	-3.63	-0.005131	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	0	-4.71	-0.006657	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	10	-40.93	-0.057852	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	20	1.57	0.002219	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	-30	-6.21	-0.008682	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	-20	-4.02	-0.005620	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	0	-2.79	-0.003900	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	10	1.17	0.001636	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	20	-4.36	-0.006095	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	-30	2.92	0.004173	±2.5	PASS
Band1	1.4MHz	16QAM	23017	6RB#0	NV	-20	2.10	0.003001	±2.5	PASS

2										
Band12	1.4MHz	16QAM	23017	6RB#0	NV	0	-2.49	-0.003559	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	10	3.53	0.005045	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	20	-3.53	-0.005045	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	-30	-2.25	-0.003180	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	-20	-3.15	-0.004452	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	0	1.34	0.001894	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	10	1.80	0.002544	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	20	3.79	0.005357	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	-30	-3.86	-0.005396	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	-20	-2.03	-0.002838	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	0	-27.82	-0.038893	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	10	-3.46	-0.004837	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	20	-2.90	-0.004054	±2.5	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	NV	-30	-5.99	-0.008561	±2.5	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	NV	-20	-3.66	-0.005231	±2.5	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	NV	0	-5.02	-0.007175	±2.5	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	NV	10	28.28	0.040417	±2.5	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	NV	20	-3.71	-0.005302	±2.5	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	NV	-30	-4.78	-0.006756	±2.5	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	NV	-20	-4.75	-0.006714	±2.5	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	NV	0	-3.50	-0.004947	±2.5	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	NV	10	-3.26	-0.004608	±2.5	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	NV	20	-3.81	-0.005385	±2.5	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	NV	-30	-3.99	-0.005578	±2.5	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	NV	-20	-3.29	-0.004599	±2.5	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	NV	0	4.23	0.005914	±2.5	PASS

Band12	1.4MHz	64QAM	23173	6RB#0	NV	10	-3.29	-0.004599	±2.5	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	NV	20	-2.02	-0.002824	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	-30	-2.78	-0.003969	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	-20	5.87	0.008380	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	0	3.08	0.004397	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	10	-2.80	-0.003997	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	20	3.99	0.005696	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	-30	3.32	0.004693	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	-20	5.16	0.007293	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	0	9.74	0.013767	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	10	4.56	0.006445	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	20	5.81	0.008212	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	-30	5.78	0.008090	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	-20	3.02	0.004227	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	0	4.51	0.006312	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	10	5.26	0.007362	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	20	3.43	0.004801	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	-30	2.69	0.003840	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	-20	1.43	0.002041	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	0	2.35	0.003355	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	10	3.18	0.004540	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	20	1.97	0.002812	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	-30	1.56	0.002205	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	-20	3.60	0.005088	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	0	4.25	0.006007	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	10	1.10	0.001555	±2.5	PASS
Band1	3MHz	16QAM	23095	15RB#0	NV	20	5.85	0.008269	±2.5	PASS

2										
Band1 2	3MHz	16QAM	23165	15RB#0	NV	-30	6.04	0.008453	±2.5	PASS
Band1 2	3MHz	16QAM	23165	15RB#0	NV	-20	2.37	0.003317	±2.5	PASS
Band1 2	3MHz	16QAM	23165	15RB#0	NV	0	-6.57	-0.009195	±2.5	PASS
Band1 2	3MHz	16QAM	23165	15RB#0	NV	10	2.26	0.003163	±2.5	PASS
Band1 2	3MHz	16QAM	23165	15RB#0	NV	20	4.53	0.006340	±2.5	PASS
Band1 2	3MHz	64QAM	23025	15RB#0	NV	-30	2.09	0.002984	±2.5	PASS
Band1 2	3MHz	64QAM	23025	15RB#0	NV	-20	-1.17	-0.001670	±2.5	PASS
Band1 2	3MHz	64QAM	23025	15RB#0	NV	0	3.98	0.005682	±2.5	PASS
Band1 2	3MHz	64QAM	23025	15RB#0	NV	10	3.15	0.004497	±2.5	PASS
Band1 2	3MHz	64QAM	23025	15RB#0	NV	20	-3.69	-0.005268	±2.5	PASS
Band1 2	3MHz	64QAM	23095	15RB#0	NV	-30	5.01	0.007081	±2.5	PASS
Band1 2	3MHz	64QAM	23095	15RB#0	NV	-20	3.10	0.004382	±2.5	PASS
Band1 2	3MHz	64QAM	23095	15RB#0	NV	0	5.54	0.007830	±2.5	PASS
Band1 2	3MHz	64QAM	23095	15RB#0	NV	10	-2.33	-0.003293	±2.5	PASS
Band1 2	3MHz	64QAM	23095	15RB#0	NV	20	4.35	0.006148	±2.5	PASS
Band1 2	3MHz	64QAM	23165	15RB#0	NV	-30	4.78	0.006690	±2.5	PASS
Band1 2	3MHz	64QAM	23165	15RB#0	NV	-20	2.50	0.003499	±2.5	PASS
Band1 2	3MHz	64QAM	23165	15RB#0	NV	0	3.45	0.004829	±2.5	PASS
Band1 2	3MHz	64QAM	23165	15RB#0	NV	10	5.66	0.007922	±2.5	PASS
Band1 2	3MHz	64QAM	23165	15RB#0	NV	20	4.51	0.006312	±2.5	PASS
Band1 2	5MHz	QPSK	23035	25RB#0	NV	-30	-2.85	-0.004063	±2.5	PASS
Band1 2	5MHz	QPSK	23035	25RB#0	NV	-20	2.83	0.004034	±2.5	PASS
Band1 2	5MHz	QPSK	23035	25RB#0	NV	0	-5.05	-0.007199	±2.5	PASS
Band1 2	5MHz	QPSK	23035	25RB#0	NV	10	2.32	0.003307	±2.5	PASS
Band1 2	5MHz	QPSK	23035	25RB#0	NV	20	2.50	0.003564	±2.5	PASS
Band1 2	5MHz	QPSK	23095	25RB#0	NV	-30	3.29	0.004650	±2.5	PASS

Band12	5MHz	QPSK	23095	25RB#0	NV	-20	-1.95	-0.002756	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	0	3.85	0.005442	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	10	3.75	0.005300	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	20	4.03	0.005696	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	-30	3.12	0.004373	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	-20	5.26	0.007372	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	0	2.16	0.003027	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	10	4.29	0.006013	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	20	3.72	0.005214	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	-30	4.85	0.006914	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	-20	3.71	0.005289	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	0	5.94	0.008468	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	10	3.30	0.004704	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	20	1.69	0.002409	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	-30	4.02	0.005682	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	-20	-2.17	-0.003067	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	0	2.30	0.003251	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	10	-1.53	-0.002163	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	20	3.96	0.005597	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	-30	1.92	0.002691	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	-20	4.06	0.005690	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	0	-1.70	-0.002383	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	10	3.30	0.004625	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	20	3.19	0.004471	±2.5	PASS
Band12	5MHz	64QAM	23035	25RB#0	NV	-30	3.08	0.004391	±2.5	PASS
Band12	5MHz	64QAM	23035	25RB#0	NV	-20	-4.18	-0.005959	±2.5	PASS
Band1	5MHz	64QAM	23035	25RB#0	NV	0	2.85	0.004063	±2.5	PASS

2										
Band1 2	5MHz	64QAM	23035	25RB#0	NV	10	1.67	0.002381	±2.5	PASS
Band1 2	5MHz	64QAM	23035	25RB#0	NV	20	2.59	0.003692	±2.5	PASS
Band1 2	5MHz	64QAM	23095	25RB#0	NV	-30	4.22	0.005965	±2.5	PASS
Band1 2	5MHz	64QAM	23095	25RB#0	NV	-20	4.43	0.006261	±2.5	PASS
Band1 2	5MHz	64QAM	23095	25RB#0	NV	0	6.59	0.009314	±2.5	PASS
Band1 2	5MHz	64QAM	23095	25RB#0	NV	10	3.03	0.004283	±2.5	PASS
Band1 2	5MHz	64QAM	23095	25RB#0	NV	20	5.11	0.007223	±2.5	PASS
Band1 2	5MHz	64QAM	23155	25RB#0	NV	-30	5.09	0.007134	±2.5	PASS
Band1 2	5MHz	64QAM	23155	25RB#0	NV	-20	3.91	0.005480	±2.5	PASS
Band1 2	5MHz	64QAM	23155	25RB#0	NV	0	2.99	0.004191	±2.5	PASS
Band1 2	5MHz	64QAM	23155	25RB#0	NV	10	5.59	0.007835	±2.5	PASS
Band1 2	5MHz	64QAM	23155	25RB#0	NV	20	6.87	0.009629	±2.5	PASS
Band1 2	10MHz	QPSK	23060	50RB#0	NV	-30	2.52	0.003580	±2.5	PASS
Band1 2	10MHz	QPSK	23060	50RB#0	NV	-20	2.78	0.003949	±2.5	PASS
Band1 2	10MHz	QPSK	23060	50RB#0	NV	0	1.10	0.001563	±2.5	PASS
Band1 2	10MHz	QPSK	23060	50RB#0	NV	10	2.57	0.003651	±2.5	PASS
Band1 2	10MHz	QPSK	23060	50RB#0	NV	20	3.92	0.005568	±2.5	PASS
Band1 2	10MHz	QPSK	23095	50RB#0	NV	-30	3.43	0.004848	±2.5	PASS
Band1 2	10MHz	QPSK	23095	50RB#0	NV	-20	2.60	0.003675	±2.5	PASS
Band1 2	10MHz	QPSK	23095	50RB#0	NV	0	2.95	0.004170	±2.5	PASS
Band1 2	10MHz	QPSK	23095	50RB#0	NV	10	-2.46	-0.003477	±2.5	PASS
Band1 2	10MHz	QPSK	23095	50RB#0	NV	20	-2.02	-0.002855	±2.5	PASS
Band1 2	10MHz	QPSK	23130	50RB#0	NV	-30	2.46	0.003460	±2.5	PASS
Band1 2	10MHz	QPSK	23130	50RB#0	NV	-20	-2.02	-0.002841	±2.5	PASS
Band1 2	10MHz	QPSK	23130	50RB#0	NV	0	-2.16	-0.003038	±2.5	PASS
Band1 2	10MHz	QPSK	23130	50RB#0	NV	10	-2.79	-0.003924	±2.5	PASS

Band12	10MHz	QPSK	23130	50RB#0	NV	20	-2.16	-0.003038	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-30	3.06	0.004347	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-20	3.33	0.004730	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	0	3.28	0.004659	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	10	0.79	0.001122	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	20	1.06	0.001506	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-30	-1.52	-0.002148	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-20	3.55	0.005018	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	0	2.92	0.004127	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	10	2.13	0.003011	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	20	7.54	0.010657	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	-30	2.79	0.003924	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	-20	-2.70	-0.003797	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	0	-1.57	-0.002208	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	10	-3.00	-0.004219	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	20	1.52	0.002138	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	-30	2.55	0.003622	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	-20	0.74	0.001051	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	0	3.48	0.004943	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	10	3.22	0.004574	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	20	3.40	0.004830	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	-30	4.02	0.005682	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	-20	-2.43	-0.003435	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	0	8.68	0.012269	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	10	3.15	0.004452	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	20	-2.85	-0.004028	±2.5	PASS
Band1	10MHz	64QAM	23130	50RB#0	NV	-30	-3.23	-0.004543	±2.5	PASS

2										
Band12	10MHz	64QAM	23130	50RB#0	NV	-20	-3.93	-0.005527	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	0	-2.99	-0.004205	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	10	1.37	0.001927	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	20	-2.68	-0.003769	±2.5	PASS

LTE BAND13

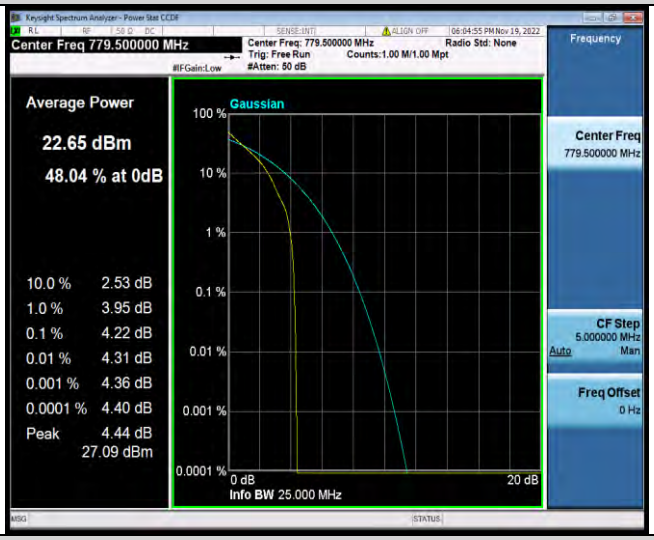
PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

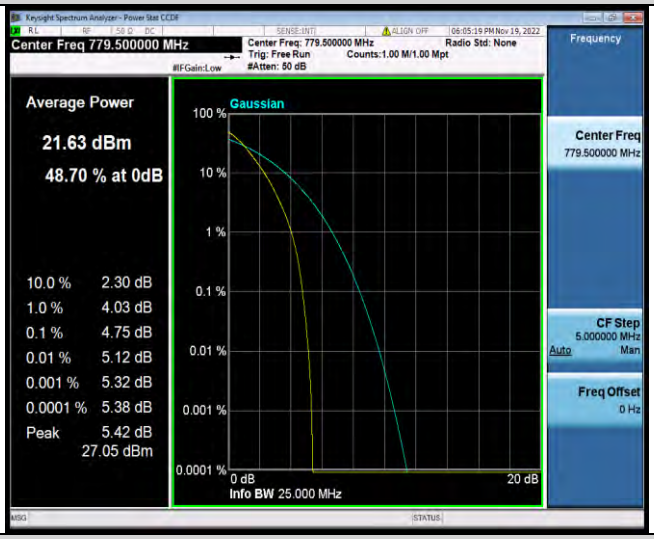
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	4.22	13	PASS
Band13	5MHz	QPSK	23205	25RB#0	4.75	13	PASS
Band13	5MHz	QPSK	23230	1RB#0	3.77	13	PASS
Band13	5MHz	QPSK	23230	25RB#0	5.05	13	PASS
Band13	5MHz	QPSK	23255	1RB#0	4.52	13	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.94	13	PASS
Band13	5MHz	16QAM	23205	1RB#0	5.15	13	PASS
Band13	5MHz	16QAM	23205	25RB#0	5.60	13	PASS
Band13	5MHz	16QAM	23230	1RB#0	4.64	13	PASS
Band13	5MHz	16QAM	23230	25RB#0	5.81	13	PASS
Band13	5MHz	16QAM	23255	1RB#0	5.25	13	PASS
Band13	5MHz	16QAM	23255	25RB#0	5.78	13	PASS
Band13	5MHz	64QAM	23205	1RB#0	5.90	13	PASS
Band13	5MHz	64QAM	23205	25RB#0	6.17	13	PASS
Band13	5MHz	64QAM	23230	1RB#0	5.42	13	PASS
Band13	5MHz	64QAM	23230	25RB#0	6.44	13	PASS
Band13	5MHz	64QAM	23255	1RB#0	6.30	13	PASS
Band13	5MHz	64QAM	23255	25RB#0	6.32	13	PASS
Band13	10MHz	QPSK	23230	1RB#0	4.19	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	5.05	13	PASS
Band13	10MHz	16QAM	23230	1RB#0	4.87	13	PASS
Band13	10MHz	16QAM	23230	50RB#0	5.89	13	PASS
Band13	10MHz	64QAM	23230	1RB#0	5.87	13	PASS
Band13	10MHz	64QAM	23230	50RB#0	6.38	13	PASS

Test Graphs

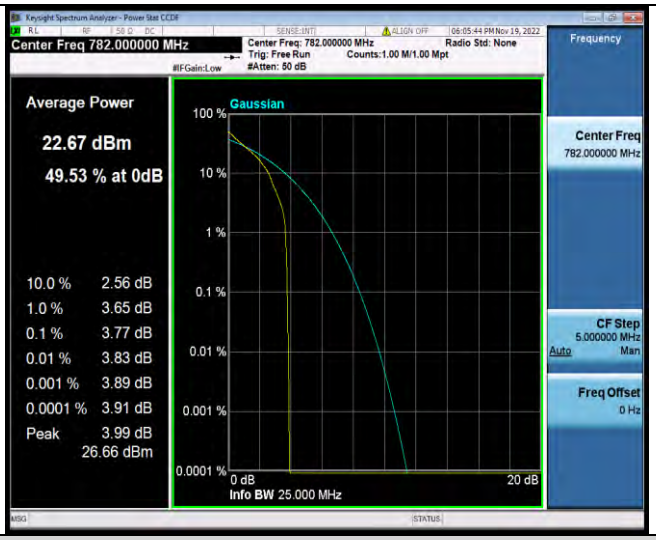
Band13-5MHz-QPSK-23205-1RB#0



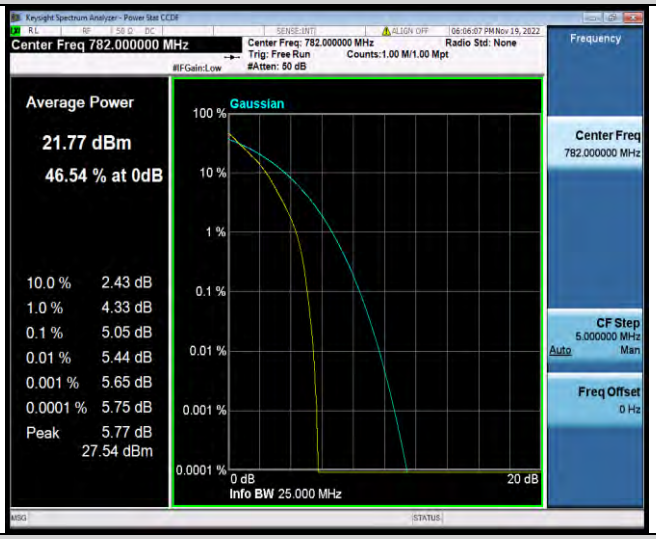
Band13-5MHz-QPSK-23205-25RB#0



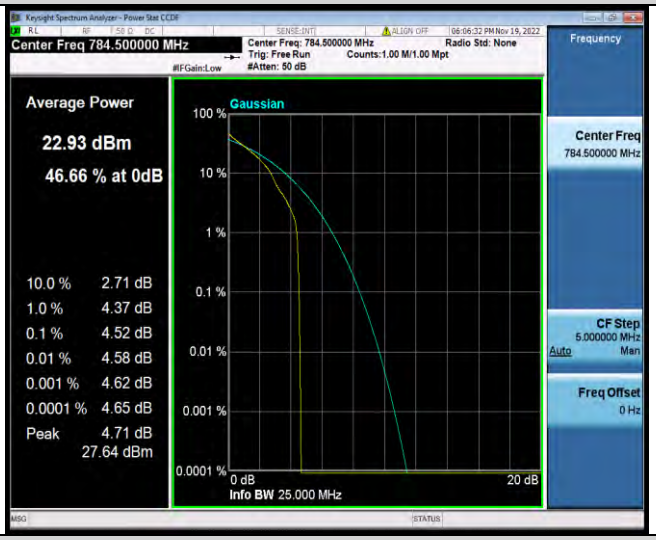
Band13-5MHz-QPSK-23230-1RB#0



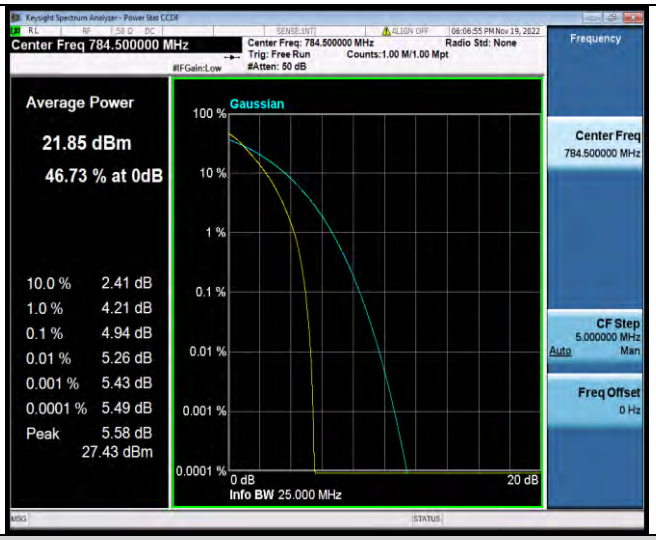
Band13-5MHz-QPSK-23230-25RB#0



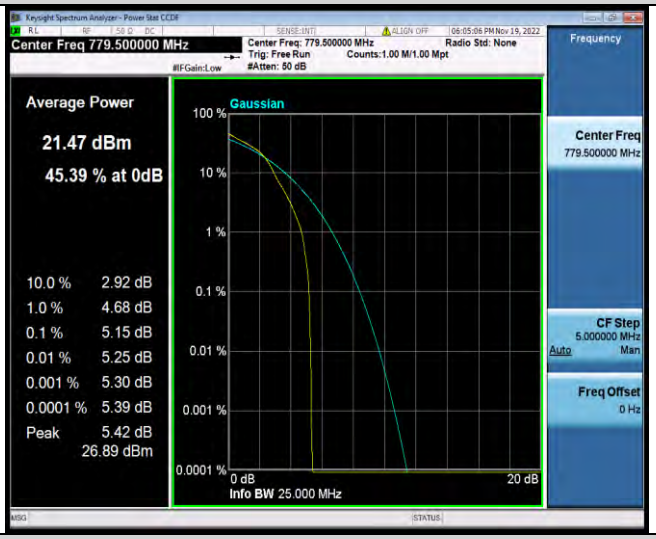
Band13-5MHz-QPSK-23255-1RB#0



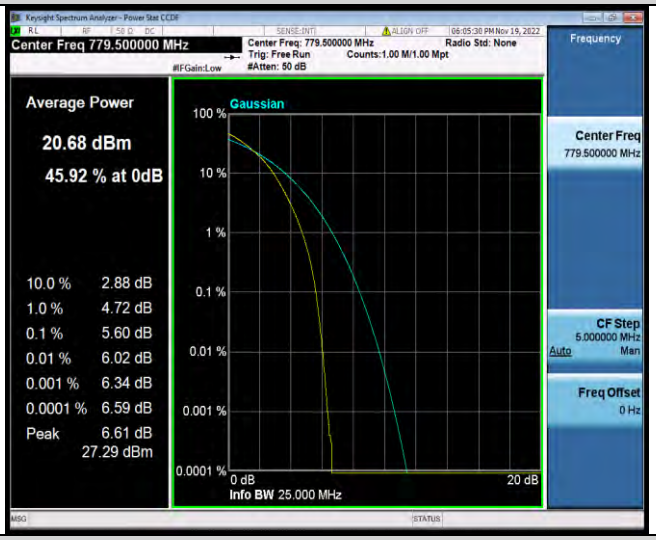
Band13-5MHz-QPSK-23255-25RB#0



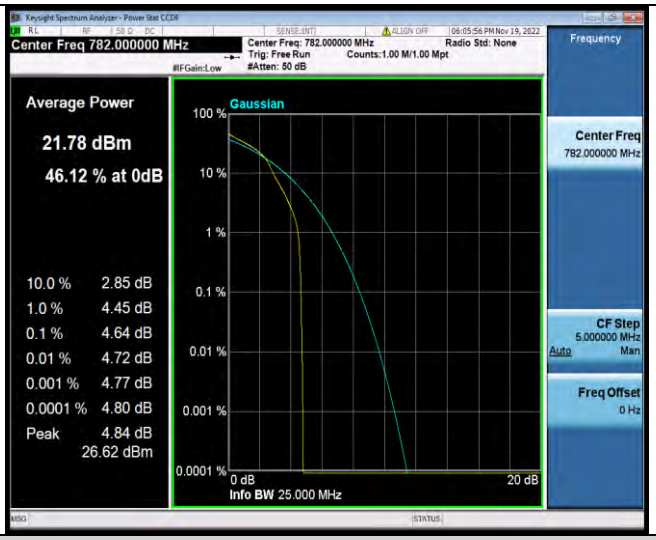
Band13-5MHz-16QAM-23205-1RB#0



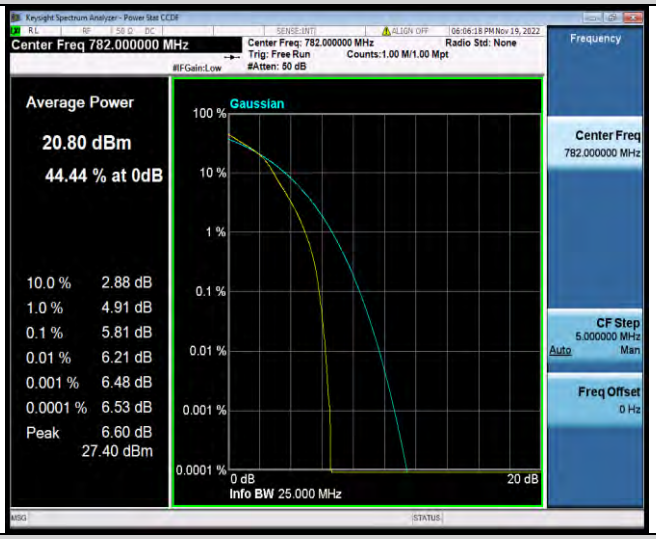
Band13-5MHz-16QAM-23205-25RB#0



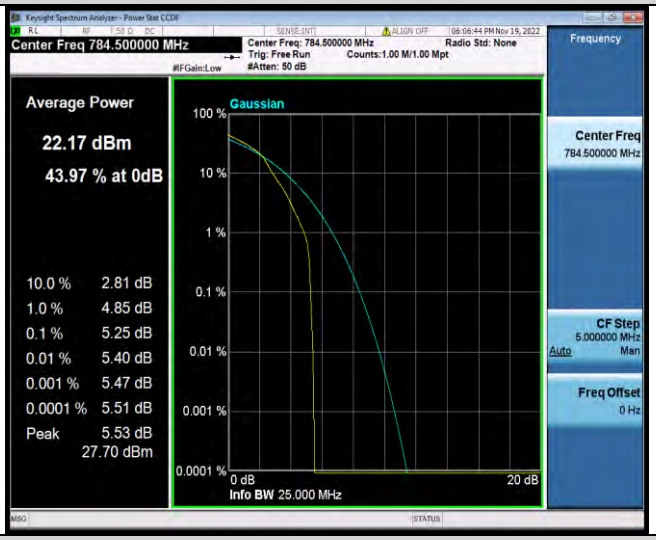
Band13-5MHz-16QAM-23230-1RB#0



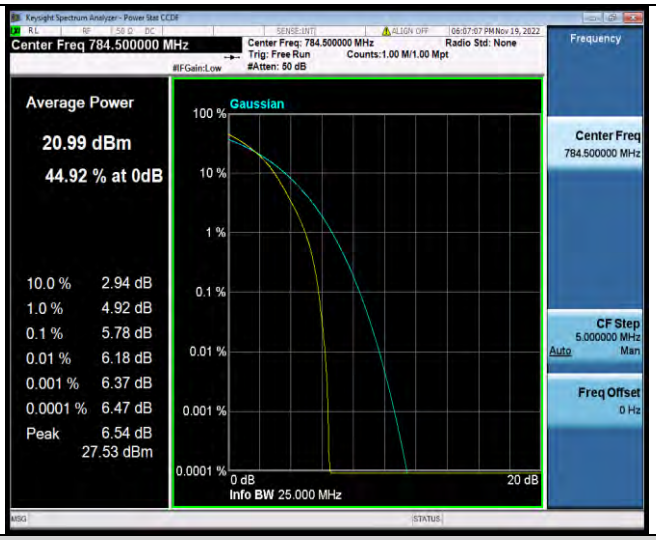
Band13-5MHz-16QAM-23230-25RB#0



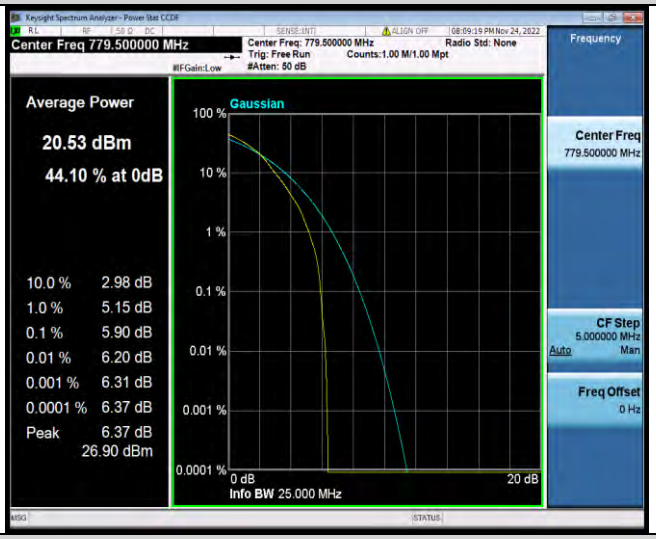
Band13-5MHz-16QAM-23255-1RB#0



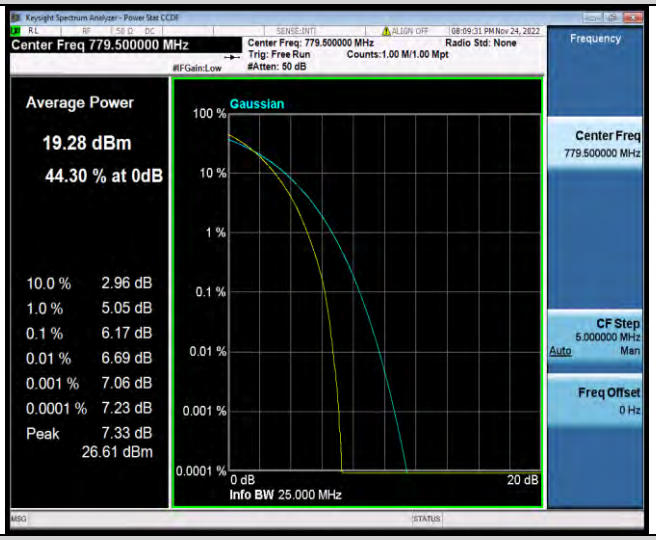
Band13-5MHz-16QAM-23255-25RB#0



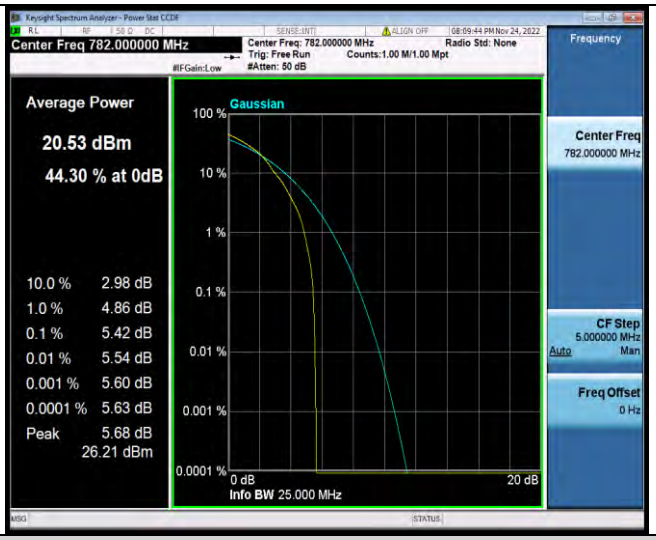
Band13-5MHz-64QAM-23205-1RB#0



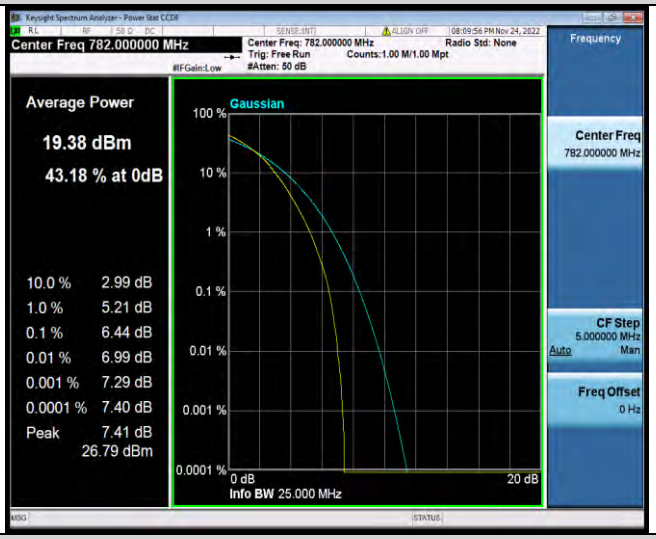
Band13-5MHz-64QAM-23205-25RB#0



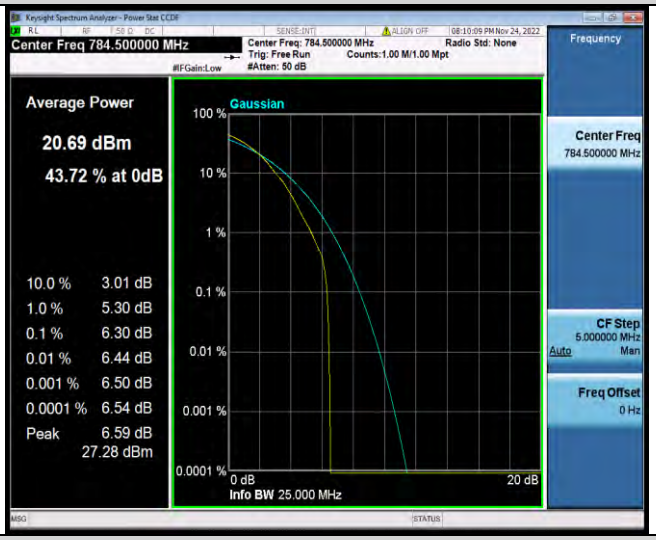
Band13-5MHz-64QAM-23230-1RB#0



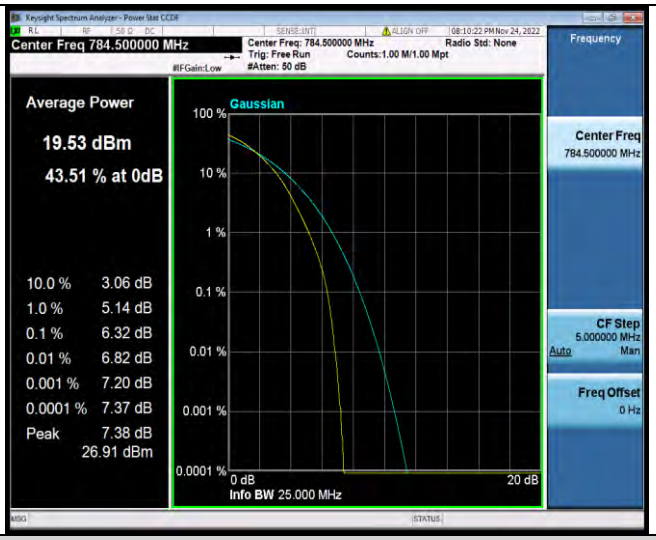
Band13-5MHz-64QAM-23230-25RB#0



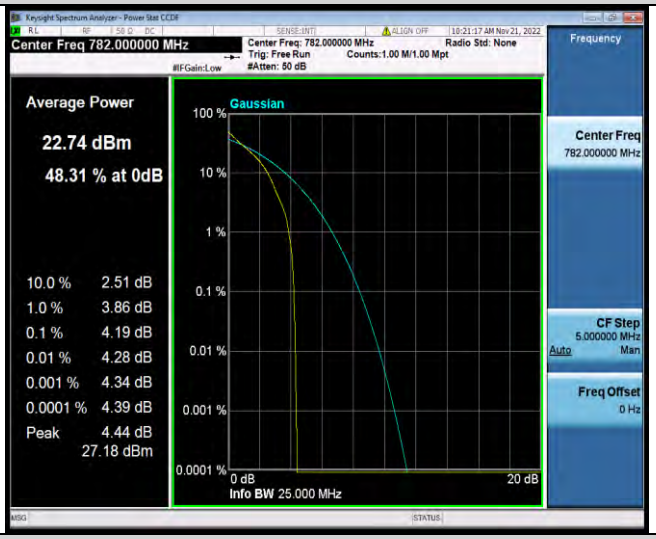
Band13-5MHz-64QAM-23255-1RB#0



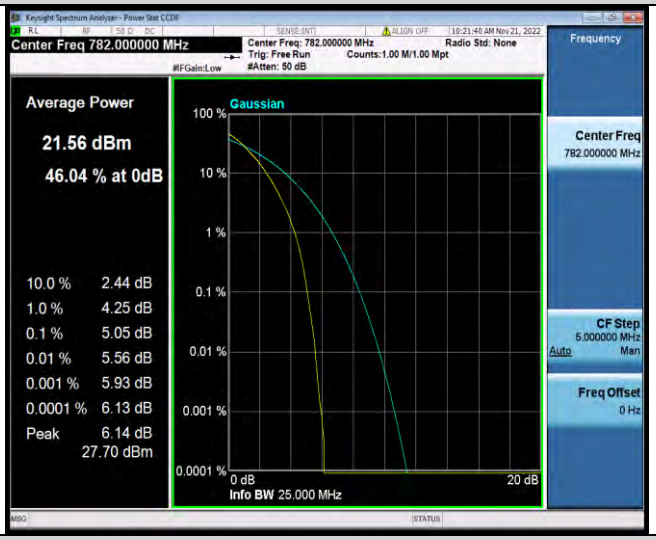
Band13-5MHz-64QAM-23255-25RB#0



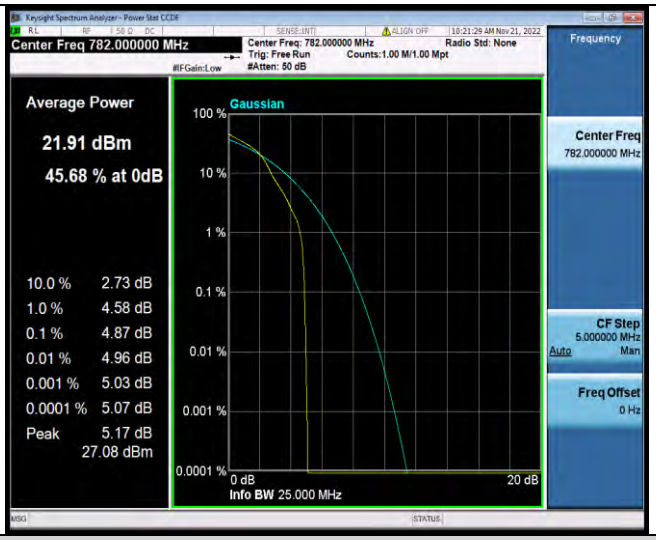
Band13-10MHz-QPSK-23230-1RB#0



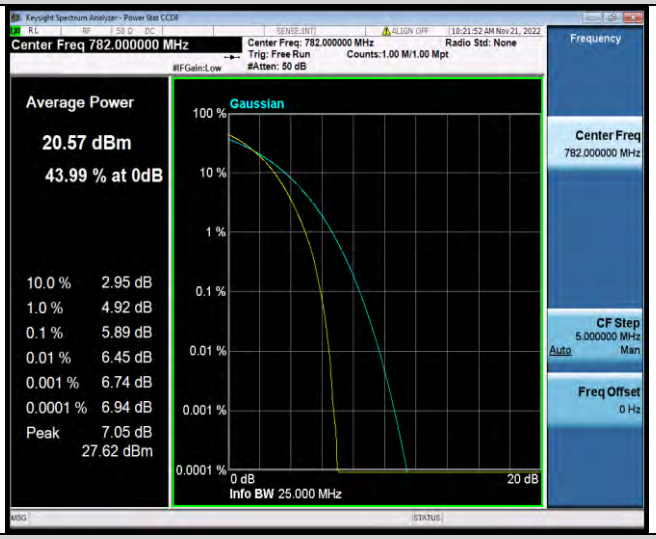
Band13-10MHz-QPSK-23230-50RB#0



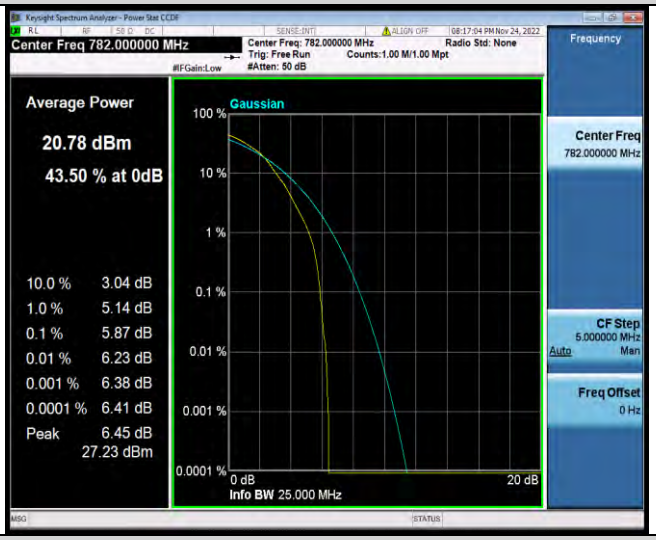
Band13-10MHz-16QAM-23230-1RB#0



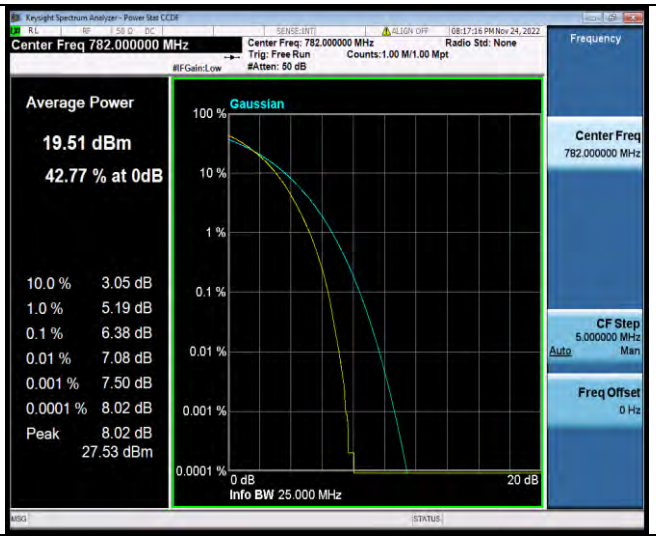
Band13-10MHz-16QAM-23230-50RB#0



Band13-10MHz-64QAM-23230-1RB#0



Band13-10MHz-64QAM-23230-50RB#0


Keysight Spectrum Analyzer - Power Stat CCDF
Center Freq 782.000000 MHz
Center Freq: 782.000000 MHz
Trig: Free Run
Counts:1.00 M/1.00 Mpt
#Atten: 50 dB
Radio Std: None
Frequency
Average Power
19.51 dBm
42.77 % at 0dB
10.0 % 3.05 dB
1.0 % 5.19 dB
0.1 % 6.38 dB
0.01 % 7.08 dB
0.001 % 7.50 dB
0.0001 % 8.02 dB
Peak 8.02 dB
27.53 dBm
Gaussian
100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %
0 dB
20 dB
Info BW 25.000 MHz
Center Freq
782.000000 MHz
CF Step
5.000000 MHz
Auto
Man
Freq Offset
0 Hz

26DB BANDWIDTH AND OCCUPIED BANDWIDTH

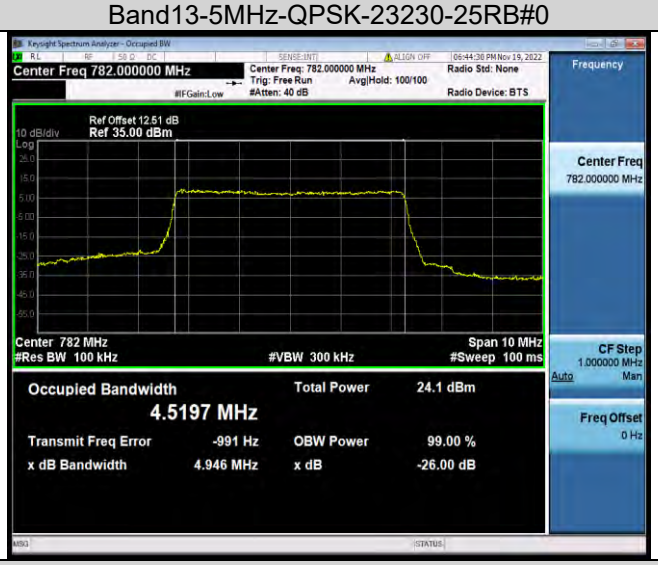
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.4728	4.823	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.5197	4.946	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.4854	4.837	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.4692	4.788	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.5166	4.878	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.4902	4.872	PASS
Band13	5MHz	64QAM	23205	25RB#0	4.4653	4.804	PASS
Band13	5MHz	64QAM	23230	25RB#0	4.5122	4.901	PASS
Band13	5MHz	64QAM	23255	25RB#0	4.4868	4.829	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.9584	9.525	PASS
Band13	10MHz	16QAM	23230	50RB#0	8.9475	9.495	PASS
Band13	10MHz	64QAM	23230	50RB#0	8.9271	9.497	PASS

Test Graphs

Band13-5MHz-QPSK-23205-25RB#0

Band13-5MHz-QPSK-23230-25RB#0



Band13-5MHz-QPSK-23255-25RB#0

Band13-5MHz-16QAM-23205-25RB#0

Band13-5MHz-16QAM-23230-25RB#0

Band13-5MHz-16QAM-23255-25RB#0

Band13-5MHz-64QAM-23205-25RB#0

Band13-5MHz-64QAM-23230-25RB#0

Band13-5MHz-64QAM-23255-25RB#0

Band13-10MHz-QPSK-23230-50RB#0

Band13-10MHz-16QAM-23230-50RB#0

Band13-10MHz-64QAM-23230-50RB#0

Keysight Spectrum Analyzer - Occupied BW
Center Freq 782.000000 MHz
Center Freq: 782.000000 MHz
Trig: Free Run
Avg|Hold: 30/30
#Atten: 40 dB
Radio Std: None
Radio Device: BTS
10 dB/div
Ref 35.00 dBm
Center 782 MHz
#Res BW 200 kHz
#VBW 620 kHz
Span 20 MHz
#Sweep 100 ms
Occupied Bandwidth
8.9271 MHz
Total Power 20.5 dBm
Transmit Freq Error 20.150 kHz
OBW Power 99.00 %
x dB Bandwidth 9.497 MHz
x dB -26.00 dB
Frequency
Center Freq
782.000000 MHz
CF Step
2.000000 MHz
Auto
Man
Freq Offset
0 Hz

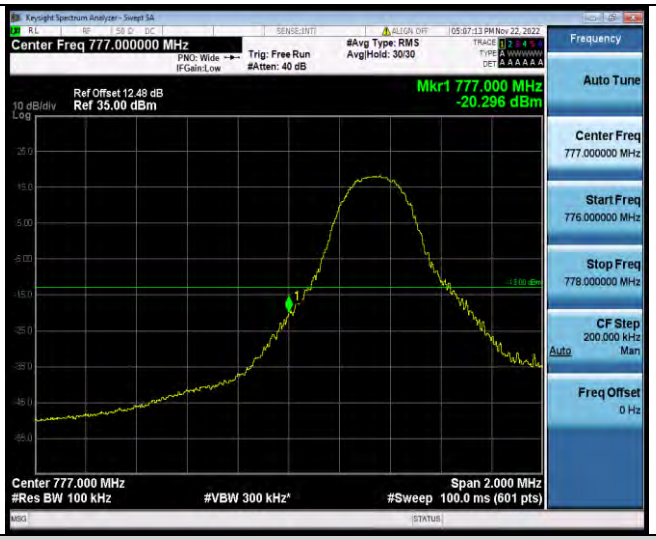
BAND EDGE

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	-20.30	PASS
Band13	5MHz	QPSK	23205	25RB#0	-28.98	PASS
Band13	5MHz	QPSK	23255	1RB#24	-20.24	PASS
Band13	5MHz	QPSK	23255	25RB#0	-27.69	PASS
Band13	5MHz	16QAM	23205	1RB#0	-20.78	PASS
Band13	5MHz	16QAM	23205	25RB#0	-30.81	PASS
Band13	5MHz	16QAM	23255	1RB#24	-21.55	PASS
Band13	5MHz	16QAM	23255	25RB#0	-29.13	PASS
Band13	5MHz	64QAM	23205	1RB#0	-20.97	PASS
Band13	5MHz	64QAM	23205	25RB#0	-30.30	PASS
Band13	5MHz	64QAM	23255	1RB#24	-21.14	PASS
Band13	5MHz	64QAM	23255	25RB#0	-29.12	PASS
Band13	10MHz	QPSK	23230	1RB#0	-28.78,-46.20	PASS
Band13	10MHz	QPSK	23230	1RB#49	-47.19,-29.91	PASS
Band13	10MHz	QPSK	23230	50RB#0	-28.82,-28.17	PASS
Band13	10MHz	16QAM	23230	1RB#0	-28.89,-46.39	PASS
Band13	10MHz	16QAM	23230	1RB#49	-47.20,-30.26	PASS
Band13	10MHz	16QAM	23230	50RB#0	-30.48,-29.93	PASS
Band13	10MHz	64QAM	23230	1RB#0	-27.91,-47.43	PASS
Band13	10MHz	64QAM	23230	1RB#49	-47.58,-29.40	PASS
Band13	10MHz	64QAM	23230	50RB#0	-31.41,-32.27	PASS

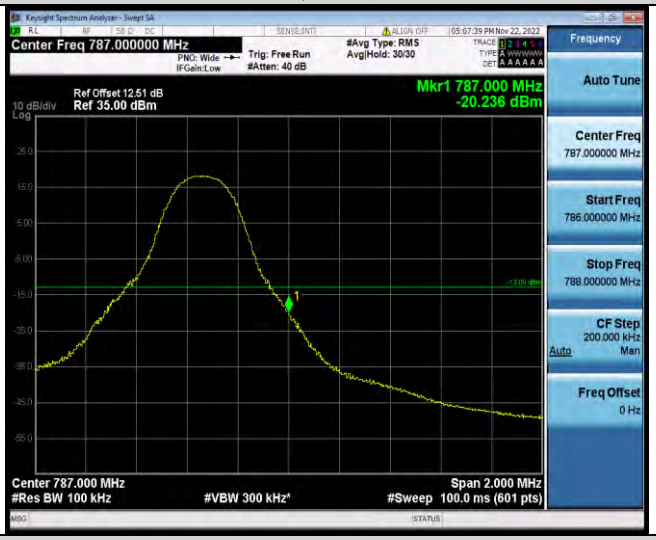
Test Graphs

Band13-5MHz-QPSK-23205-1RB#0



Band13-5MHz-QPSK-23205-25RB#0

Band13-5MHz-QPSK-23255-1RB#24

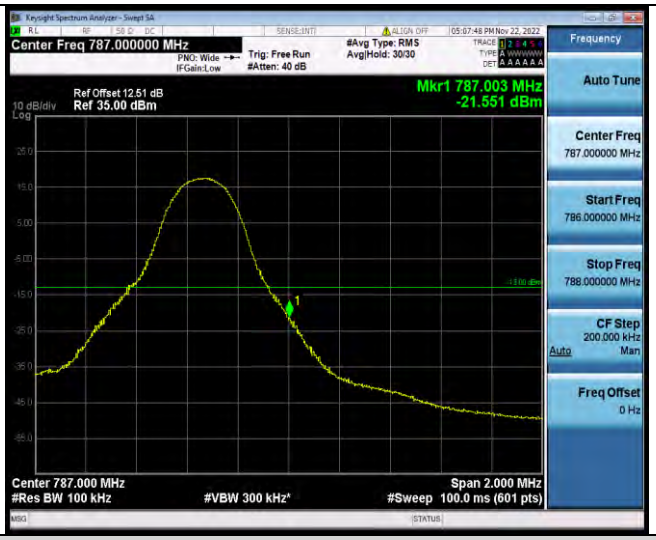


Band13-5MHz-QPSK-23255-25RB#0

Band13-5MHz-16QAM-23205-1RB#0

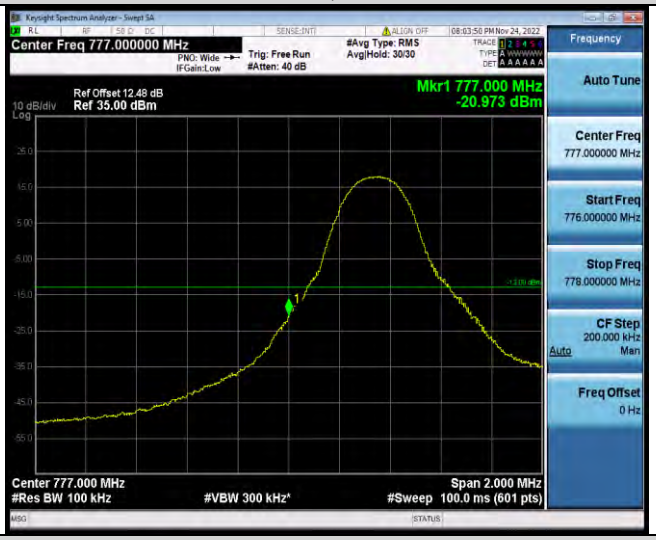
Band13-5MHz-16QAM-23205-25RB#0

Band13-5MHz-16QAM-23255-1RB#24



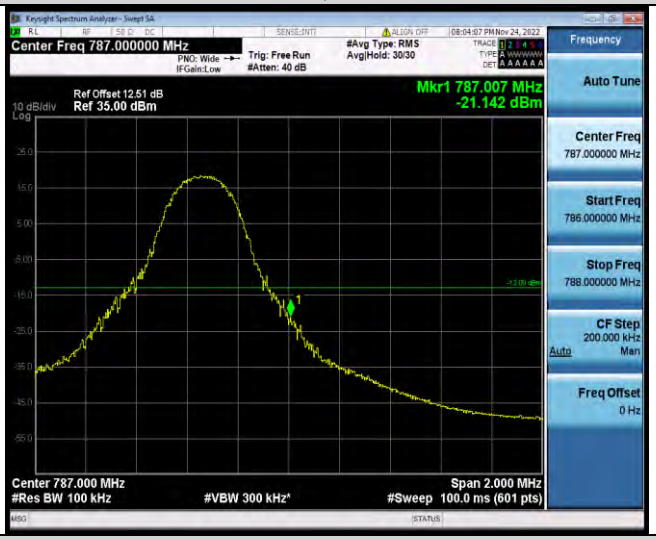
Band13-5MHz-16QAM-23255-25RB#0

Band13-5MHz-64QAM-23205-1RB#0



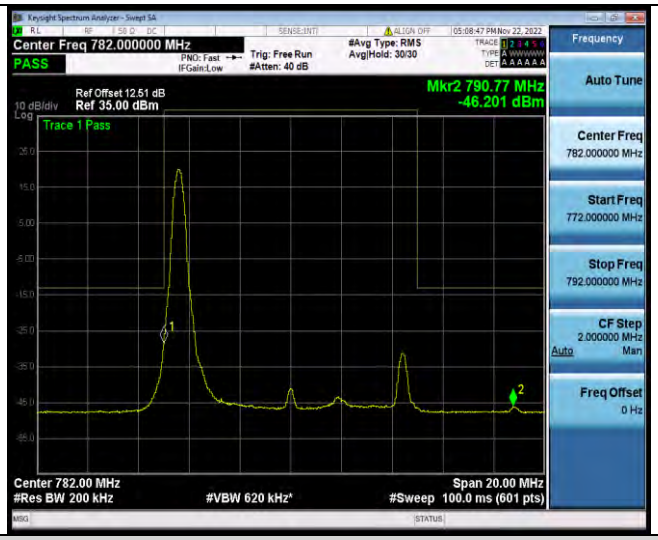
Band13-5MHz-64QAM-23205-25RB#0

Band13-5MHz-64QAM-23255-1RB#24

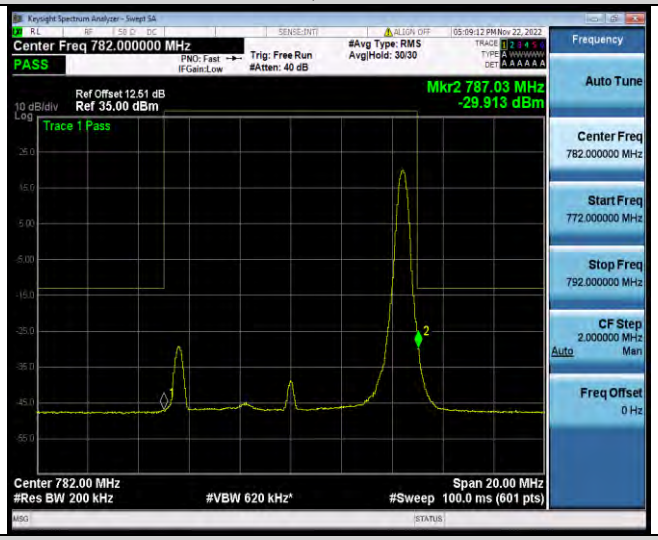


Band13-5MHz-64QAM-23255-25RB#0

Band13-10MHz-QPSK-23230-1RB#0

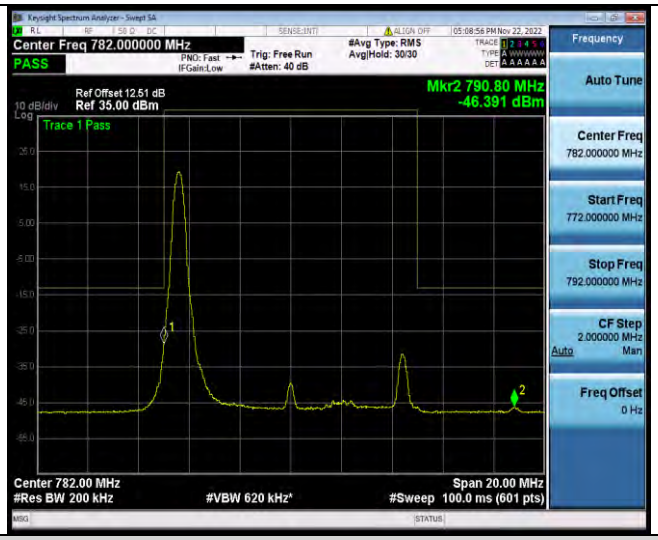


Band13-10MHz-QPSK-23230-1RB#49

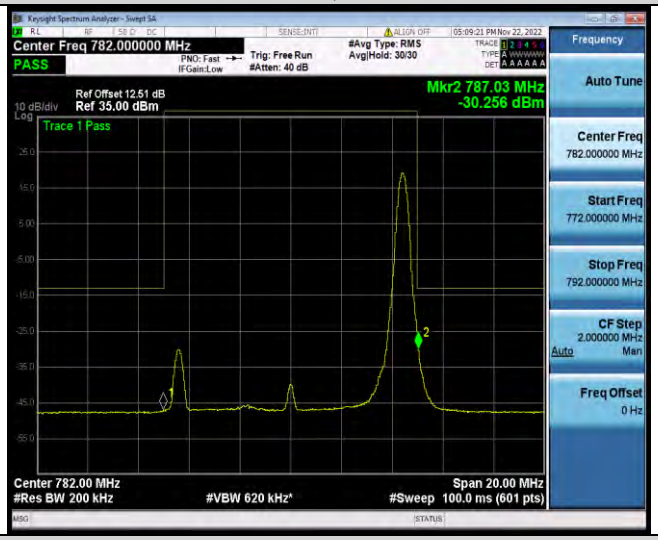


Band13-10MHz-QPSK-23230-50RB#0

Band13-10MHz-16QAM-23230-1RB#0

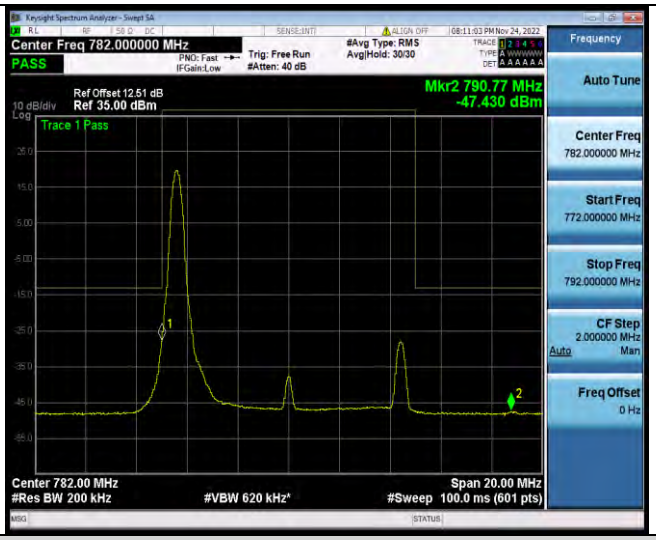


Band13-10MHz-16QAM-23230-1RB#49

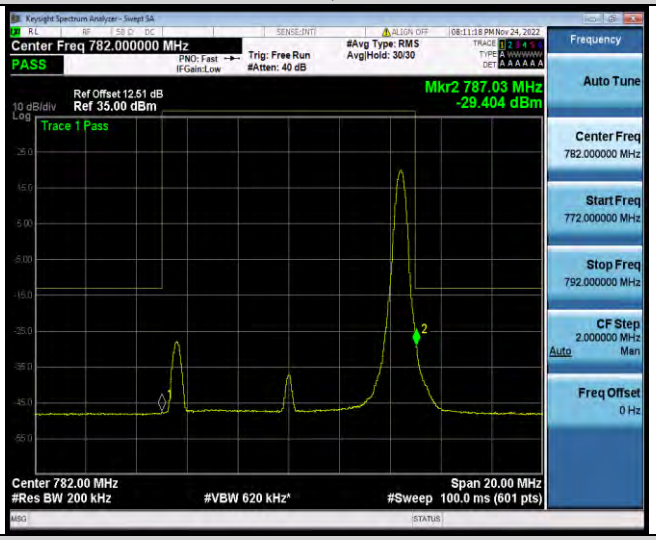


Band13-10MHz-16QAM-23230-50RB#0

Band13-10MHz-64QAM-23230-1RB#0



Band13-10MHz-64QAM-23230-1RB#49



Band13-10MHz-64QAM-23230-50RB#0