Appendix H: Test Data for E-UTRA Band 12

Product Name: Smartphone

Test Model: Vision

Environmental Conditions

Temperature:	23.4° C
Relative Humidity:	52.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Ling Zhu
Supervised by:	Li Huan

H.1 Conducted Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	23.58	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	23.59	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	23.58	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	23.69	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	23.69	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	23.67	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	23.10	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	23.43	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.44	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	23.48	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	23.46	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	23.32	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	23.35	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.89	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	23.33	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.26	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	23.28	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	23.32	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	23.32	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	23.35	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.35	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	23.56	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	23.47	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	23.46	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	22.81	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	22.81	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	22.76	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	22.12	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	22.80	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	23.28	PASS

Band12	1.4MHz	16QAM	23095	1RB#5	23.23	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	22.48	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	22.47	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	22.47	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	21.95	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	22.04	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	22.16	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	22.12	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	22.26	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	22.25	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	22.34	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	21.84	PASS
Band12	3MHz	QPSK	23025	1RB#0	23.53	PASS
Band12	3MHz	QPSK	23025	1RB#8	23.49	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.52	PASS
Band12	3MHz	QPSK	23025	8RB#0	22.97	PASS
Band12	3MHz	QPSK	23025	8RB#4	22.98	PASS
Band12	3MHz	QPSK	23025	8RB#7	22.80	PASS
Band12	3MHz	QPSK	23025	15RB#0	23.01	PASS
Band12	3MHz	QPSK	23095	1RB#0	23.30	PASS
Band12	3MHz	QPSK	23095	1RB#8	23.37	PASS
Band12	3MHz	QPSK	23095	1RB#14	23.34	PASS
Band12	3MHz	QPSK	23095	8RB#0	22.24	PASS
Band12	3MHz	QPSK	23095	8RB#4	22.41	PASS
Band12	3MHz	QPSK	23095	8RB#7	22.87	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.91	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.34	PASS
Band12	3MHz	QPSK	23165	1RB#8	23.42	PASS
Band12	3MHz	QPSK	23165	1RB#14	23.31	PASS
Band12	3MHz	QPSK	23165	8RB#0	22.28	PASS
Band12	3MHz	QPSK	23165	8RB#4	22.27	PASS
Band12	3MHz	QPSK	23165	8RB#7	22.29	PASS
Band12	3MHz	QPSK	23165	15RB#0	22.35	PASS
Band12	3MHz	16QAM	23025	1RB#0	23.05	PASS
Band12	3MHz	16QAM	23025	1RB#8	22.97	PASS

Band12	3MHz	16QAM	23025	1RB#14	22.64	PASS
Band12	3MHz	16QAM	23025	8RB#0	22.21	PASS
Band12	3MHz	16QAM	23025	8RB#4	22.22	PASS
Band12	3MHz	16QAM	23025	8RB#7	22.25	PASS
Band12	3MHz	16QAM	23025	15RB#0	22.03	PASS
Band12	3MHz	16QAM	23095	1RB#0	22.23	PASS
Band12	3MHz	16QAM	23095	1RB#8	22.62	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.59	PASS
Band12	3MHz	16QAM	23095	8RB#0	21.98	PASS
Band12	3MHz	16QAM	23095	8RB#4	22.00	PASS
Band12	3MHz	16QAM	23095	8RB#7	21.91	PASS
Band12	3MHz	16QAM	23095	15RB#0	21.74	PASS
Band12	3MHz	16QAM	23165	1RB#0	22.95	PASS
Band12	3MHz	16QAM	23165	1RB#8	22.96	PASS
Band12	3MHz	16QAM	23165	1RB#14	22.89	PASS
Band12	3MHz	16QAM	23165	8RB#0	21.87	PASS
Band12	3MHz	16QAM	23165	8RB#4	21.88	PASS
Band12	3MHz	16QAM	23165	8RB#7	21.81	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.96	PASS
Band12	5MHz	QPSK	23035	1RB#0	23.72	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.71	PASS
Band12	5MHz	QPSK	23035	1RB#24	23.59	PASS
Band12	5MHz	QPSK	23035	12RB#0	23.14	PASS
Band12	5MHz	QPSK	23035	12RB#6	23.14	PASS
Band12	5MHz	QPSK	23035	12RB#13	22.81	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.86	PASS
Band12	5MHz	QPSK	23095	1RB#0	23.57	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.53	PASS
Band12	5MHz	QPSK	23095	1RB#24	23.52	PASS
Band12	5MHz	QPSK	23095	12RB#0	22.31	PASS
Band12	5MHz	QPSK	23095	12RB#6	22.59	PASS
Band12	5MHz	QPSK	23095	12RB#13	22.85	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.92	PASS
Band12	5MHz	QPSK	23155	1RB#0	23.43	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.44	PASS

Band12	5MHz	QPSK	23155	1RB#24	23.48	PASS
Band12	5MHz	QPSK	23155	12RB#0	22.44	PASS
Band12	5MHz	QPSK	23155	12RB#6	22.44	PASS
Band12	5MHz	QPSK	23155	12RB#13	22.39	PASS
Band12	5MHz	QPSK	23155	25RB#0	22.31	PASS
Band12	5MHz	16QAM	23035	1RB#0	22.40	PASS
Band12	5MHz	16QAM	23035	1RB#12	21.95	PASS
Band12	5MHz	16QAM	23035	1RB#24	21.93	PASS
Band12	5MHz	16QAM	23035	12RB#0	22.09	PASS
Band12	5MHz	16QAM	23035	12RB#6	22.09	PASS
Band12	5MHz	16QAM	23035	12RB#13	22.00	PASS
Band12	5MHz	16QAM	23035	25RB#0	22.19	PASS
Band12	5MHz	16QAM	23095	1RB#0	22.35	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.68	PASS
Band12	5MHz	16QAM	23095	1RB#24	22.23	PASS
Band12	5MHz	16QAM	23095	12RB#0	21.93	PASS
Band12	5MHz	16QAM	23095	12RB#6	21.97	PASS
Band12	5MHz	16QAM	23095	12RB#13	21.78	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.82	PASS
Band12	5MHz	16QAM	23155	1RB#0	22.36	PASS
Band12	5MHz	16QAM	23155	1RB#12	22.30	PASS
Band12	5MHz	16QAM	23155	1RB#24	22.34	PASS
Band12	5MHz	16QAM	23155	12RB#0	21.83	PASS
Band12	5MHz	16QAM	23155	12RB#6	21.80	PASS
Band12	5MHz	16QAM	23155	12RB#13	21.86	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.82	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.59	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.57	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.43	PASS
Band12	10MHz	QPSK	23060	25RB#0	22.84	PASS
Band12	10MHz	QPSK	23060	25RB#12	22.85	PASS
Band12	10MHz	QPSK	23060	25RB#25	22.39	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.74	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.66	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.55	PASS

Band12	10MHz	QPSK	23095	1RB#49	23.37	PASS
Band12	10MHz	QPSK	23095	25RB#0	22.39	PASS
Band12	10MHz	QPSK	23095	25RB#12	22.68	PASS
Band12	10MHz	QPSK	23095	25RB#25	22.49	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.86	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.54	PASS
Band12	10MHz	QPSK	23130	1RB#24	23.48	PASS
Band12	10MHz	QPSK	23130	1RB#49	23.41	PASS
Band12	10MHz	QPSK	23130	25RB#0	22.80	PASS
Band12	10MHz	QPSK	23130	25RB#12	22.81	PASS
Band12	10MHz	QPSK	23130	25RB#25	22.29	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.40	PASS
Band12	10MHz	16QAM	23060	1RB#0	22.74	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.32	PASS
Band12	10MHz	16QAM	23060	1RB#49	22.55	PASS
Band12	10MHz	16QAM	23060	25RB#0	21.99	PASS
Band12	10MHz	16QAM	23060	25RB#12	21.98	PASS
Band12	10MHz	16QAM	23060	25RB#25	21.92	PASS
Band12	10MHz	16QAM	23060	50RB#0	21.61	PASS
Band12	10MHz	16QAM	23095	1RB#0	22.23	PASS
Band12	10MHz	16QAM	23095	1RB#24	22.53	PASS
Band12	10MHz	16QAM	23095	1RB#49	22.17	PASS
Band12	10MHz	16QAM	23095	25RB#0	22.13	PASS
Band12	10MHz	16QAM	23095	25RB#12	22.17	PASS
Band12	10MHz	16QAM	23095	25RB#25	21.36	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.89	PASS
Band12	10MHz	16QAM	23130	1RB#0	22.20	PASS
Band12	10MHz	16QAM	23130	1RB#24	22.17	PASS
Band12	10MHz	16QAM	23130	1RB#49	22.13	PASS
Band12	10MHz	16QAM	23130	25RB#0	21.98	PASS
Band12	10MHz	16QAM	23130	25RB#12	21.98	PASS
Band12	10MHz	16QAM	23130	25RB#25	21.87	PASS
Band12	10MHz	16QAM	23130	50RB#0	21.27	PASS

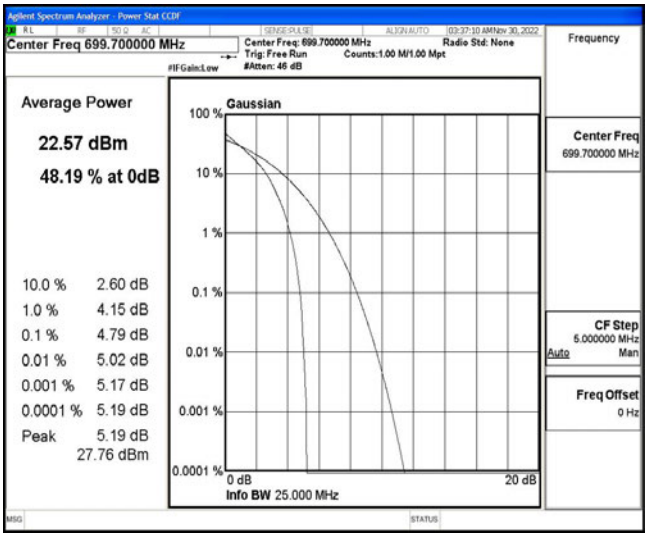
H.2 Peak-to-Average Ratio(CCDF)

Test Result

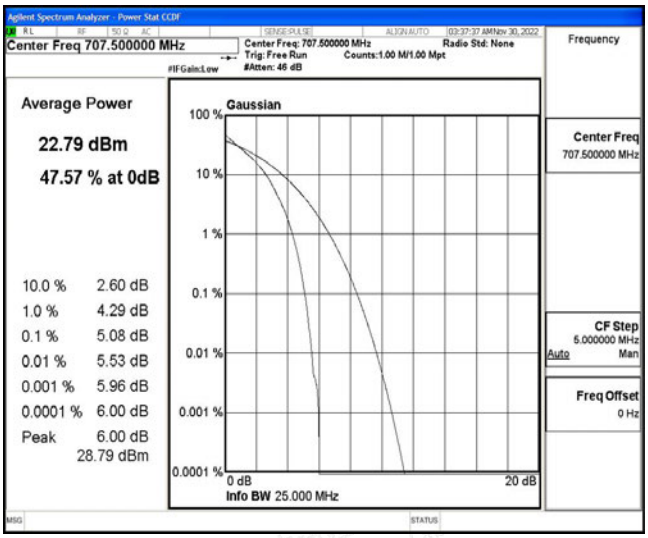
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	4.79	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.08	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	4.99	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	5.52	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	5.84	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	5.51	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	4.80	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.10	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	4.96	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	5.71	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	5.96	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	5.69	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.10	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.07	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.00	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	5.78	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	5.83	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	5.60	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.29	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.08	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.09	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.12	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	5.87	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.01	13	PASS

Test Graphs

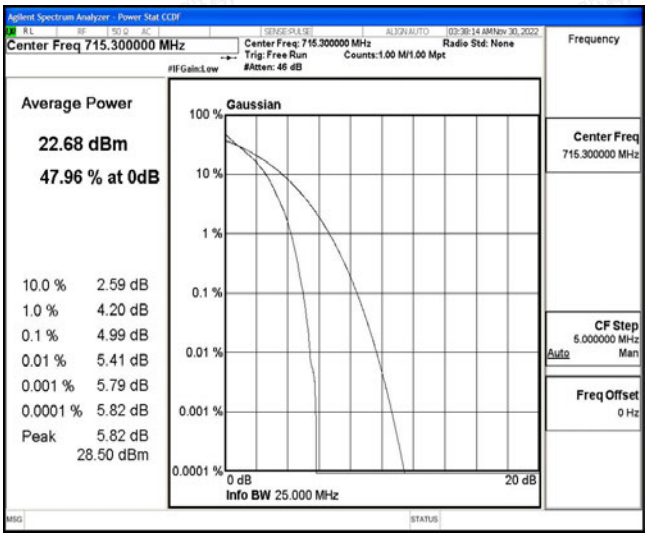
Band12-1.4MHz-QPSK-23017-6RB#0



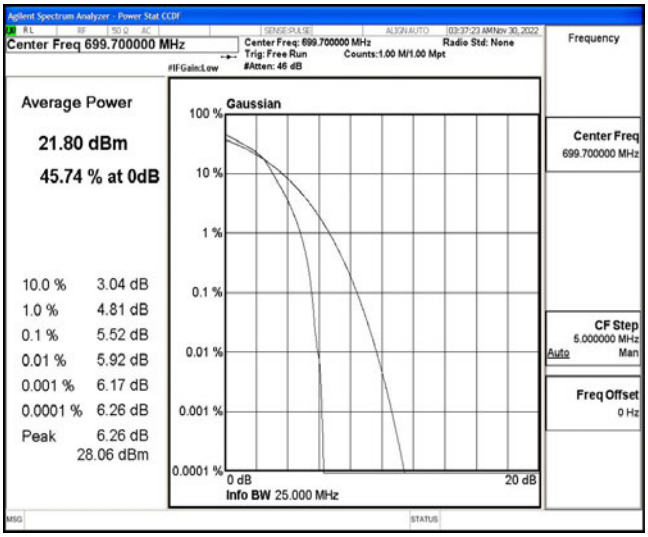
Band12-1.4MHz-QPSK-23095-6RB#0



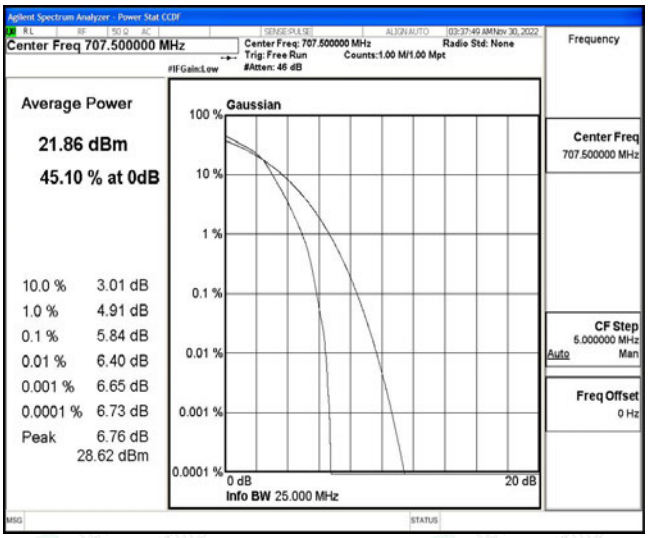
Band12-1.4MHz-QPSK-23173-6RB#0



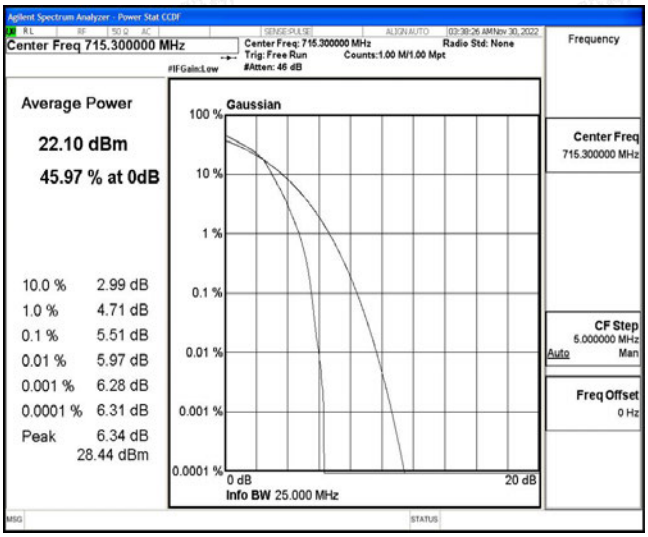
Band12-1.4MHz-16QAM-23017-6RB#0



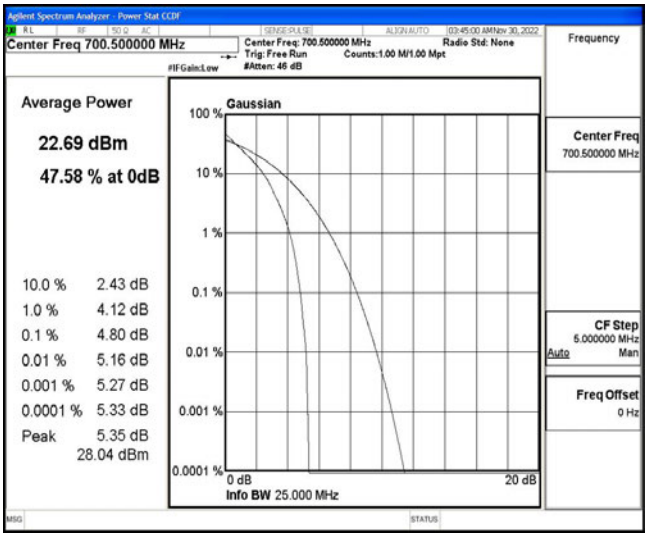
Band12-1.4MHz-16QAM-23095-6RB#0



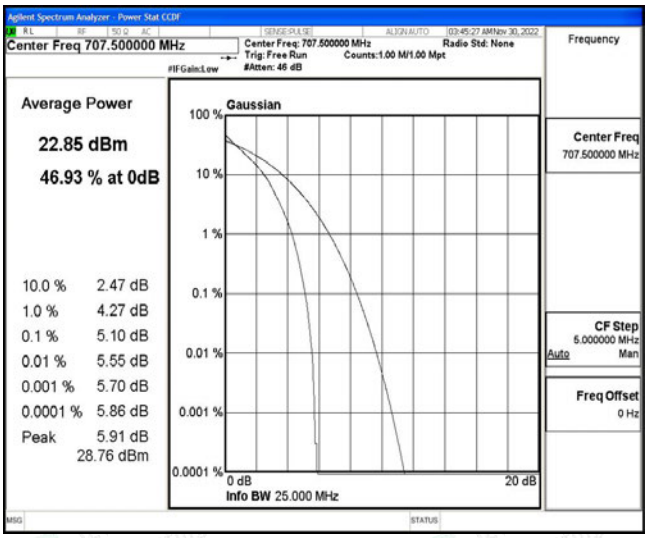
Band12-1.4MHz-16QAM-23173-6RB#0



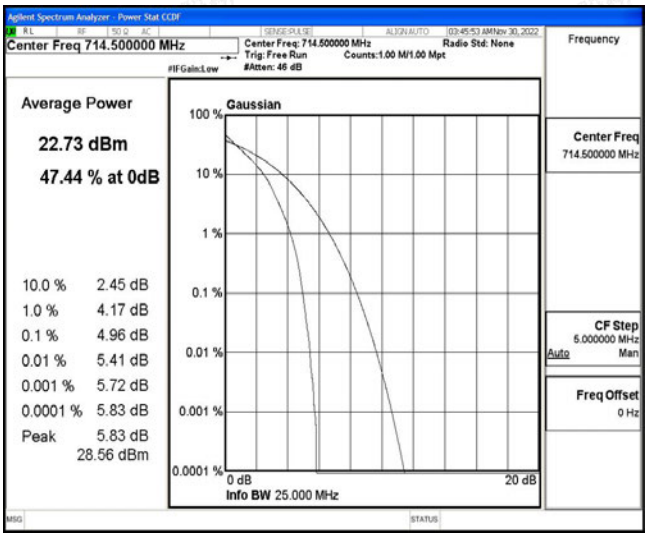
Band12-3MHz-QPSK-23025-15RB#0



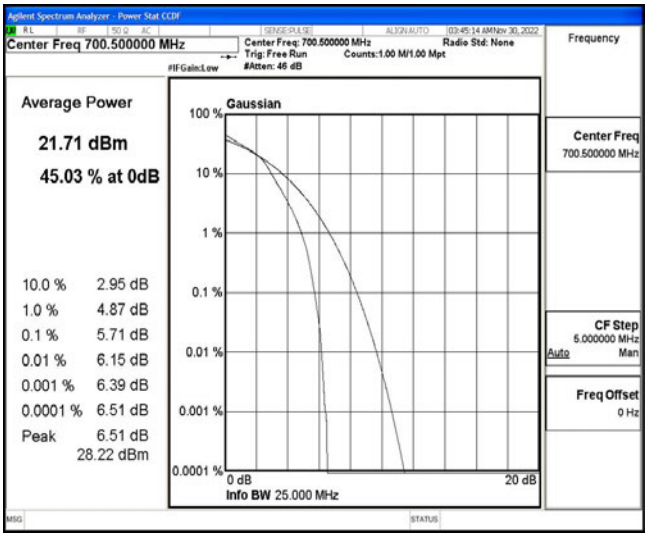
Band12-3MHz-QPSK-23095-15RB#0



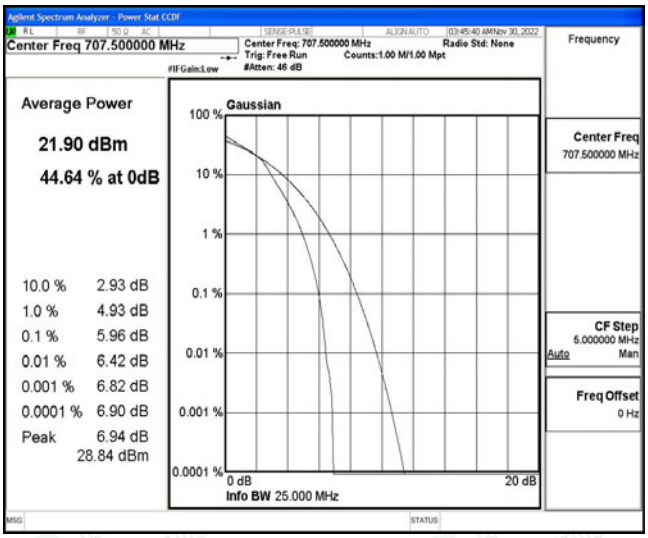
Band12-3MHz-QPSK-23165-15RB#0



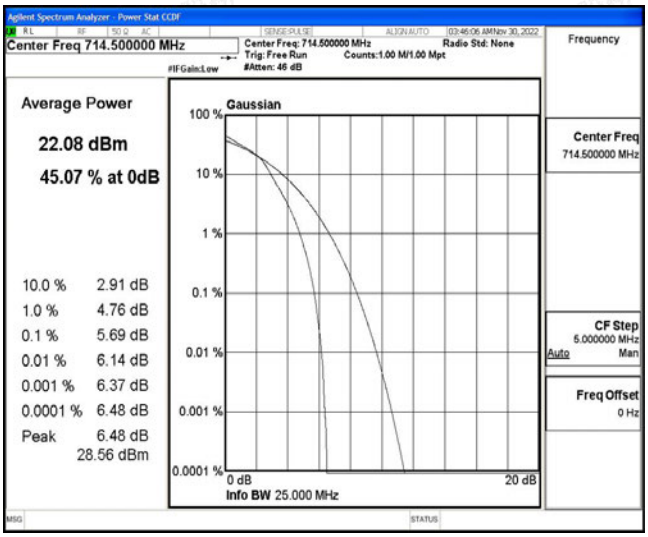
Band12-3MHz-16QAM-23025-15RB#0



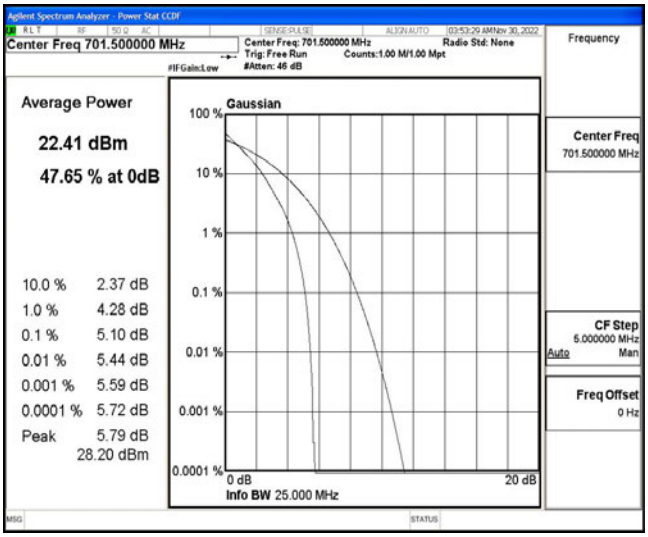
Band12-3MHz-16QAM-23095-15RB#0



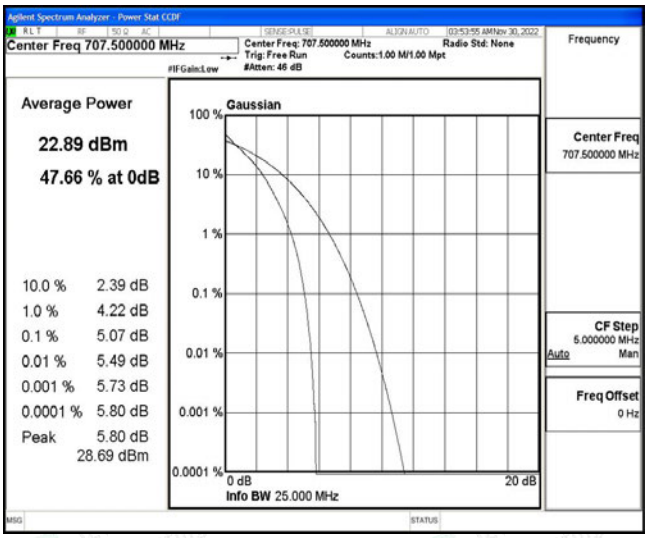
Band12-3MHz-16QAM-23165-15RB#0



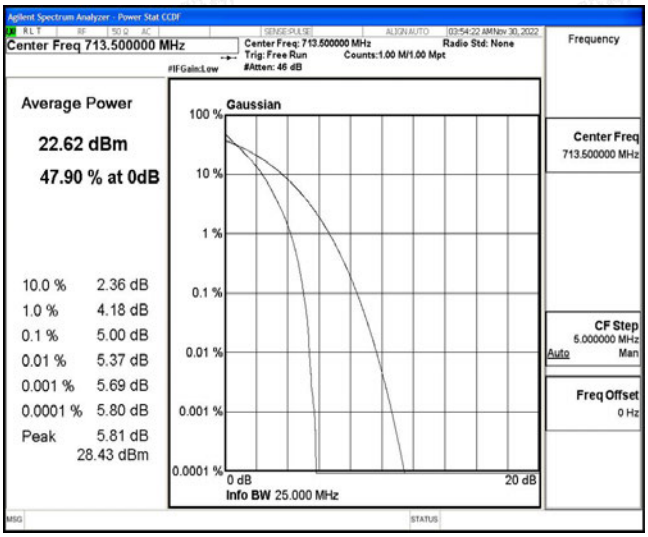
Band12-5MHz-QPSK-23035-25RB#0



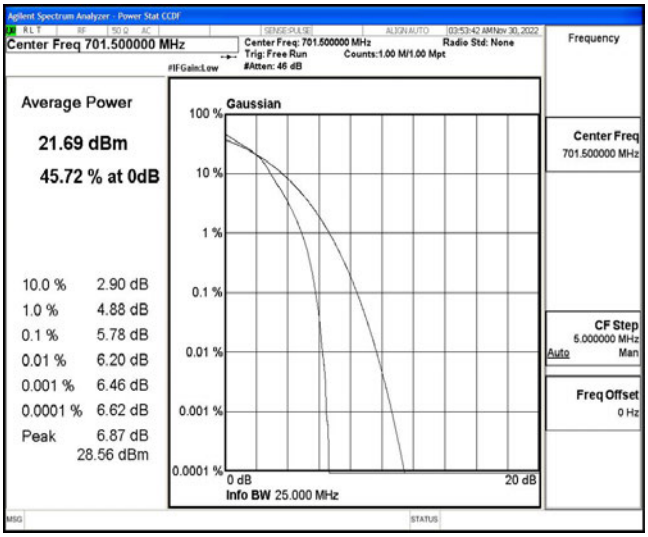
Band12-5MHz-QPSK-23095-25RB#0



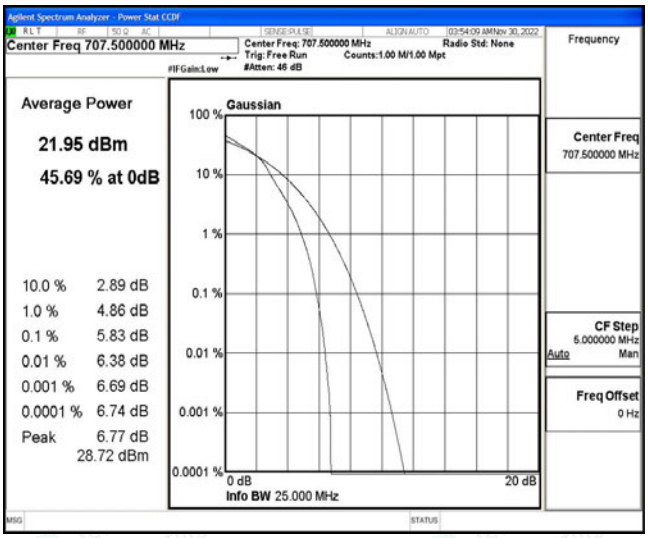
Band12-5MHz-QPSK-23155-25RB#0



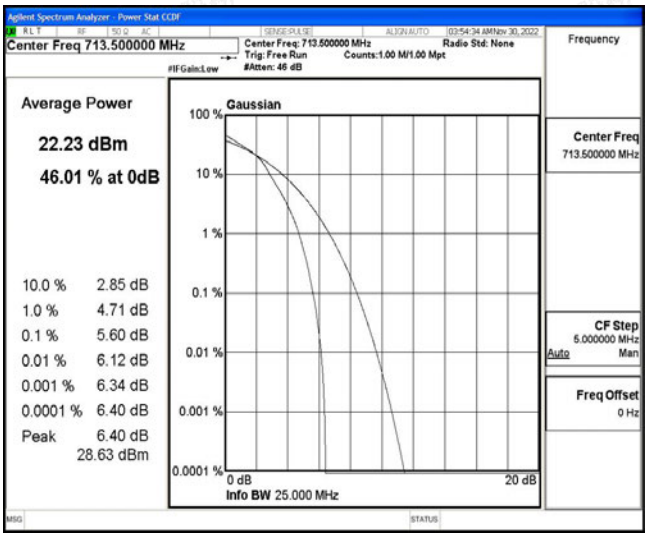
Band12-5MHz-16QAM-23035-25RB#0



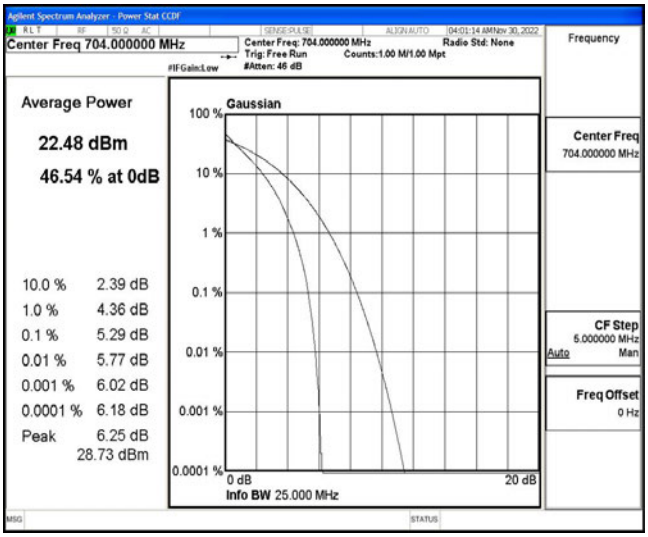
Band12-5MHz-16QAM-23095-25RB#0



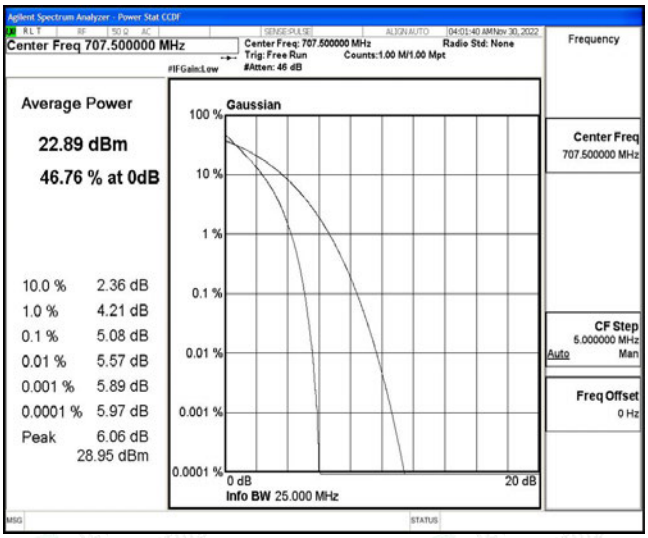
Band12-5MHz-16QAM-23155-25RB#0



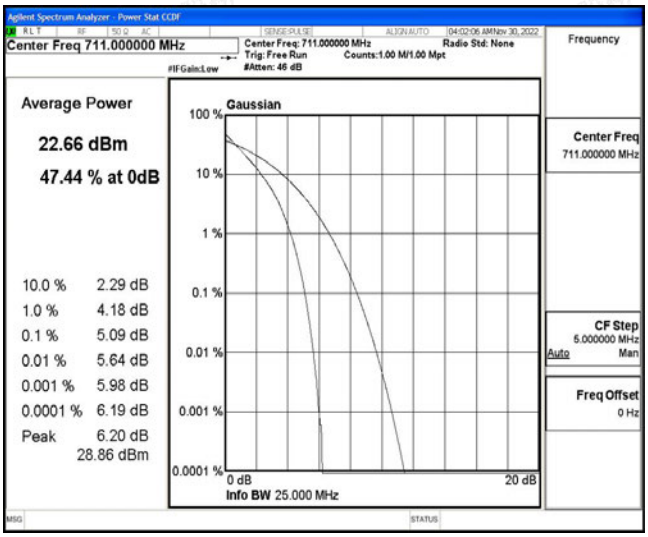
Band12-10MHz-QPSK-23060-50RB#0



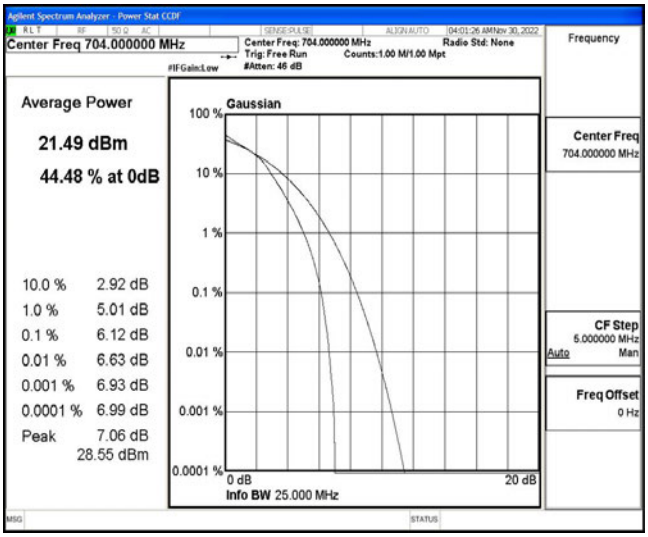
Band12-10MHz-QPSK-23095-50RB#0



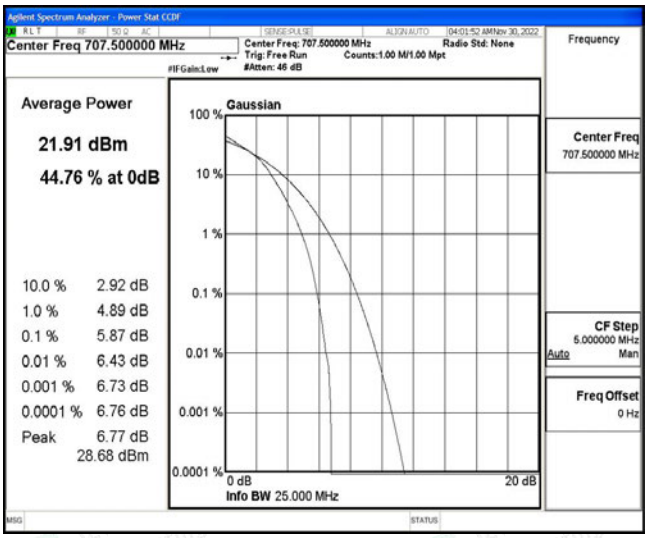
Band12-10MHz-QPSK-23130-50RB#0



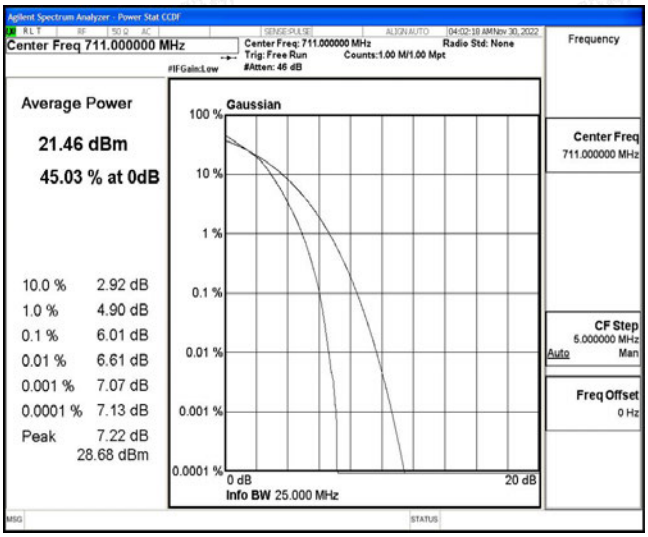
Band12-10MHz-16QAM-23060-50RB#0



Band12-10MHz-16QAM-23095-50RB#0



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

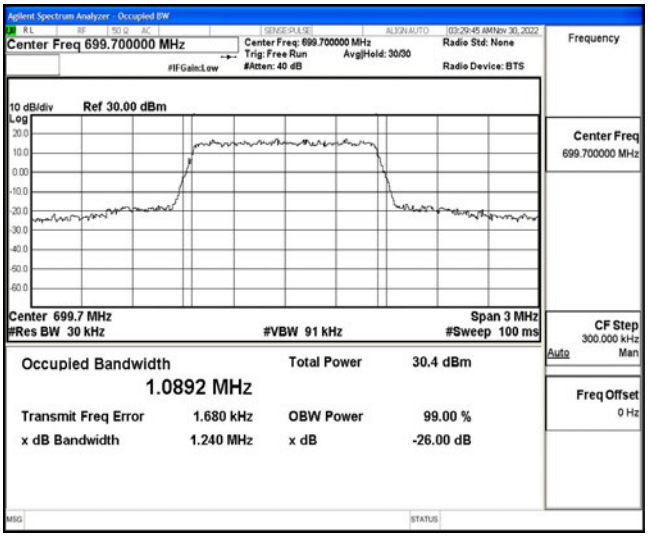

Agilent Spectrum Analyzer - Power Stat CCDF
Center Freq 711.000000 MHz
Center Freq: 711.000000 MHz
Trig: Free Run
#Atten: 46 dB
Counts:1.00 M/1.00 Mpt
Radio Std: None
Frequency
Average Power
21.46 dBm
45.03 % at 0dB
10.0 % 2.92 dB
1.0 % 4.90 dB
0.1 % 6.01 dB
0.01 % 6.61 dB
0.001 % 7.07 dB
0.0001 % 7.13 dB
Peak 7.22 dB
28.68 dBm
Gaussian
100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %
0 dB
20 dB
Info BW 25.000 MHz
Center Freq
711.000000 MHz
CF Step
5.000000 MHz
Auto Man
Freq Offset
0 Hz

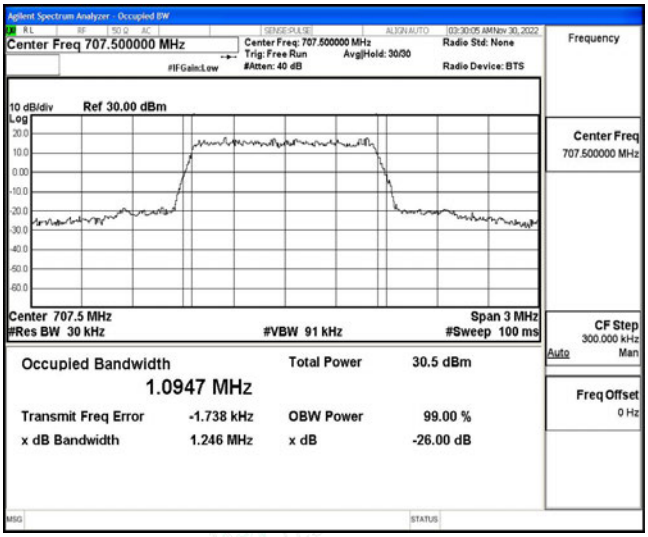
H.3 26dB Bandwidth and Occupied Bandwidth

Test Result

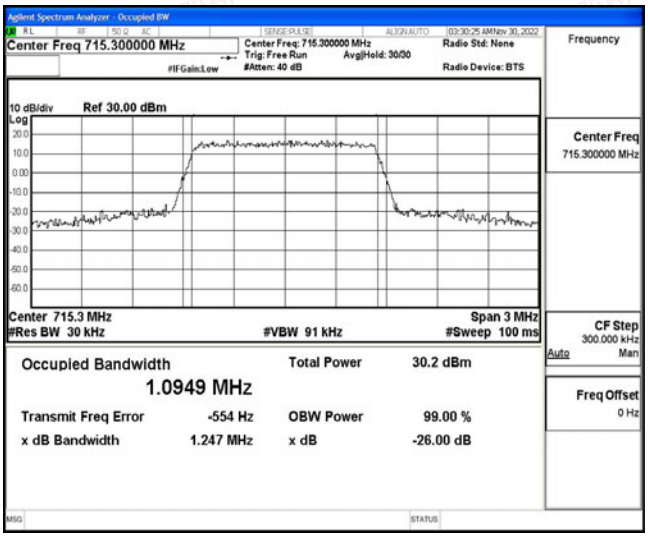
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0892	1.240	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0947	1.246	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0949	1.247	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.1044	1.243	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0924	1.246	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.0923	1.238	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.7050	2.976	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.7073	3.029	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.7050	3.001	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.6970	3.032	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.7094	3.049	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.7030	3.017	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.5186	4.975	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.5030	4.941	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5049	4.984	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.5078	4.962	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5198	4.995	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.5089	5.003	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.9981	9.925	PASS
Band12	10MHz	QPSK	23095	50RB#0	9.0075	9.941	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9687	9.922	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.9973	9.886	PASS
Band12	10MHz	16QAM	23095	50RB#0	9.0051	9.926	PASS
Band12	10MHz	16QAM	23130	50RB#0	9.0032	9.871	PASS

Test Graphs

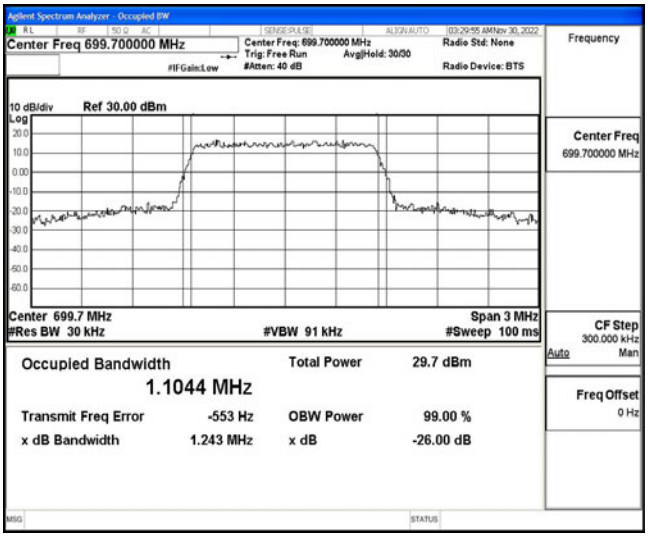
Band12-1.4MHz-QPSK-23017-6RB#0


Band12-1.4MHz-QPSK-23095-6RB#0


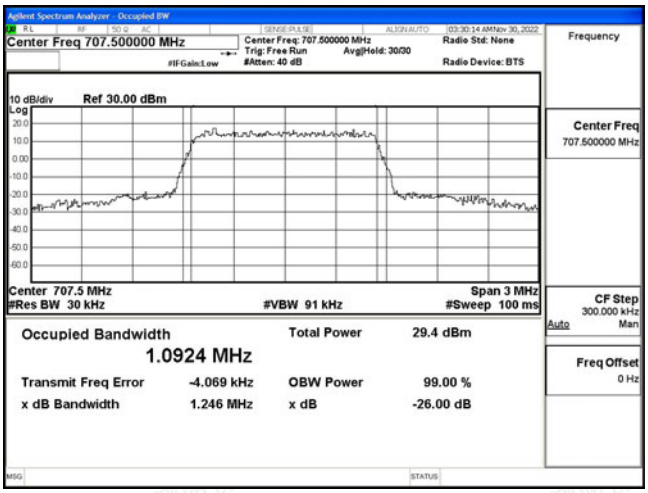
Band12-1.4MHz-QPSK-23173-6RB#0



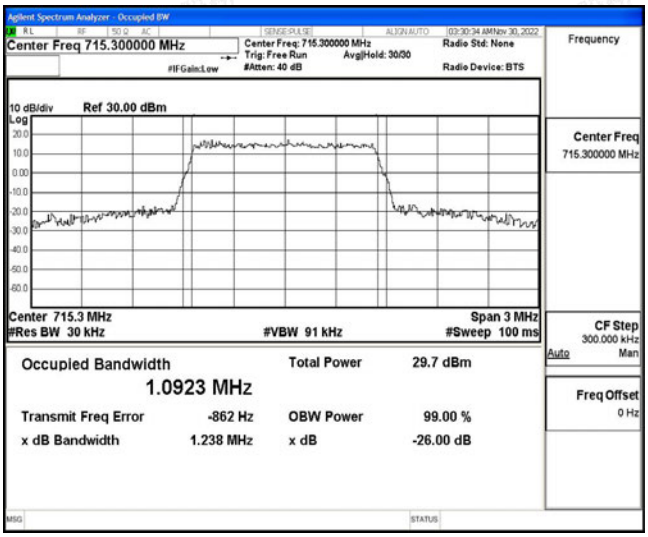
Band12-1.4MHz-16QAM-23017-6RB#0



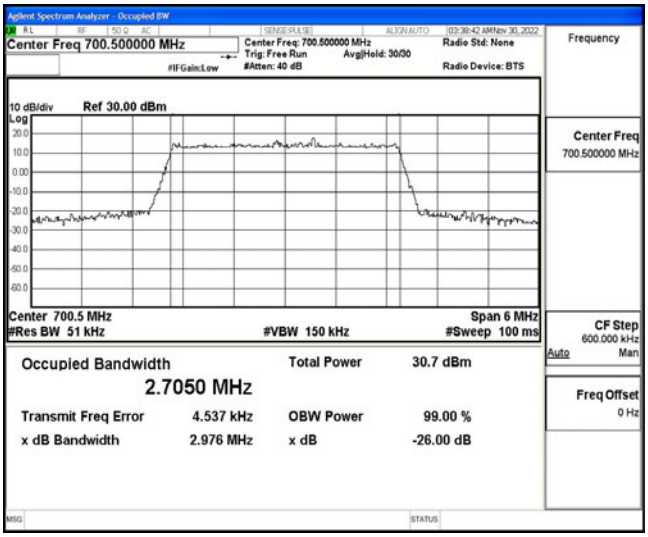
Band12-1.4MHz-16QAM-23095-6RB#0



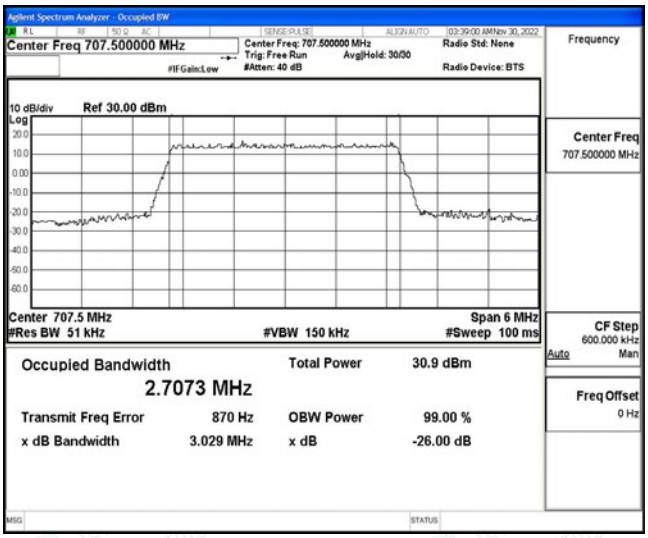
Band12-1.4MHz-16QAM-23173-6RB#0



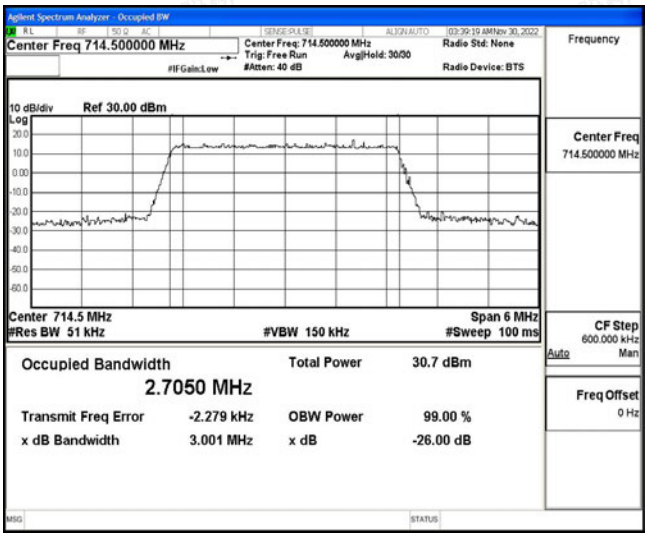
Band12-3MHz-QPSK-23025-15RB#0



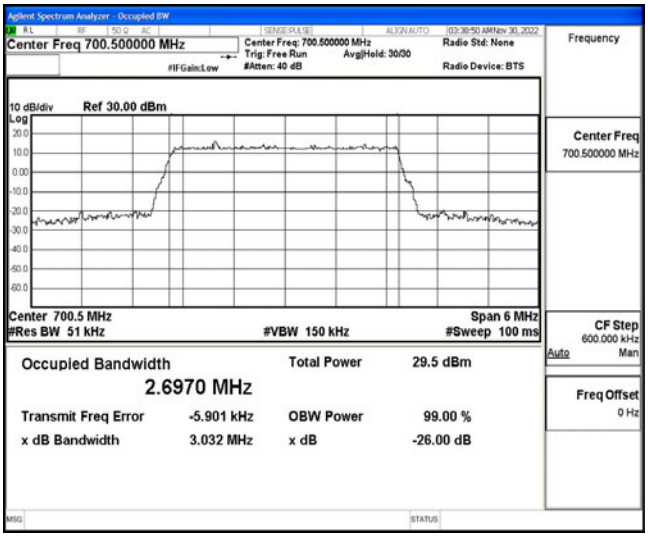
Band12-3MHz-QPSK-23095-15RB#0



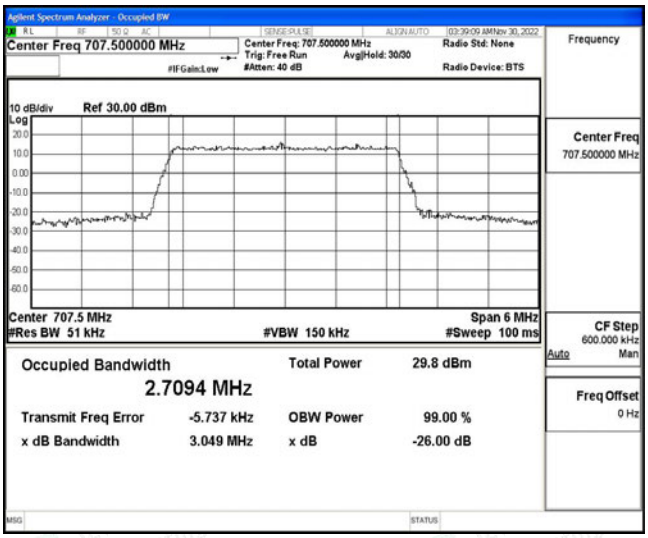
Band12-3MHz-QPSK-23165-15RB#0



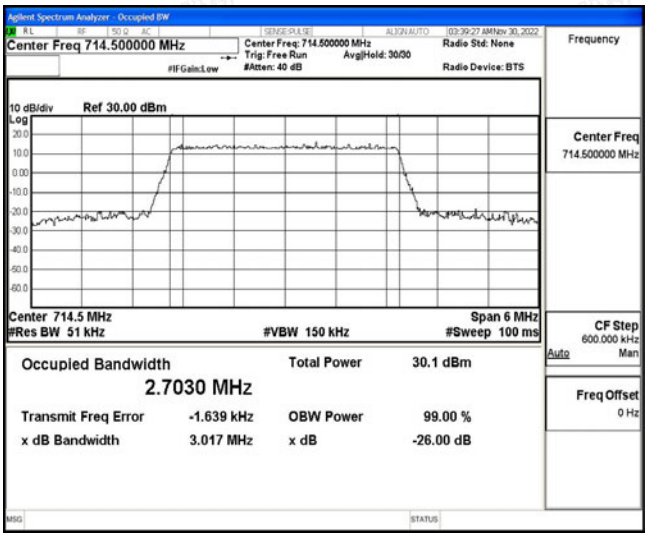
Band12-3MHz-16QAM-23025-15RB#0



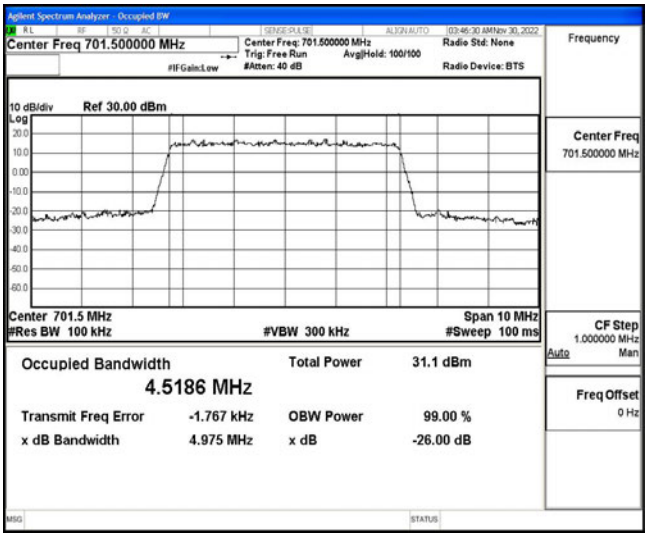
Band12-3MHz-16QAM-23095-15RB#0



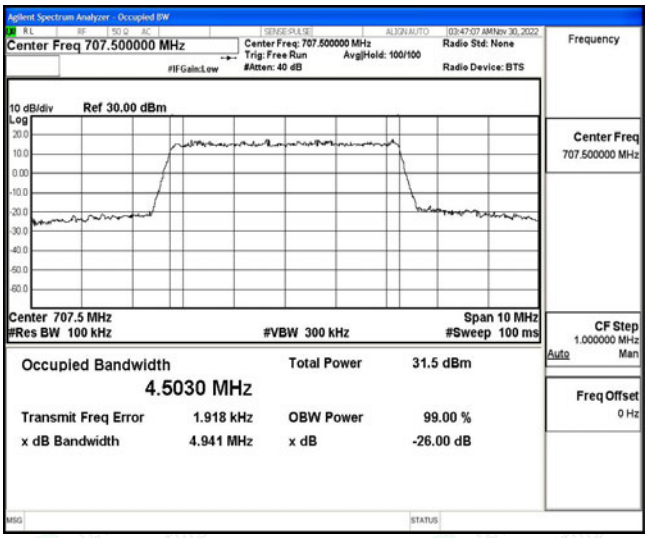
Band12-3MHz-16QAM-23165-15RB#0



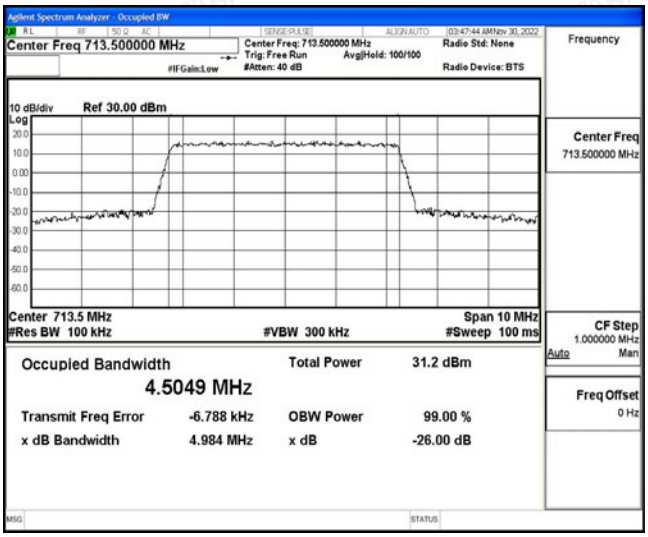
Band12-5MHz-QPSK-23035-25RB#0



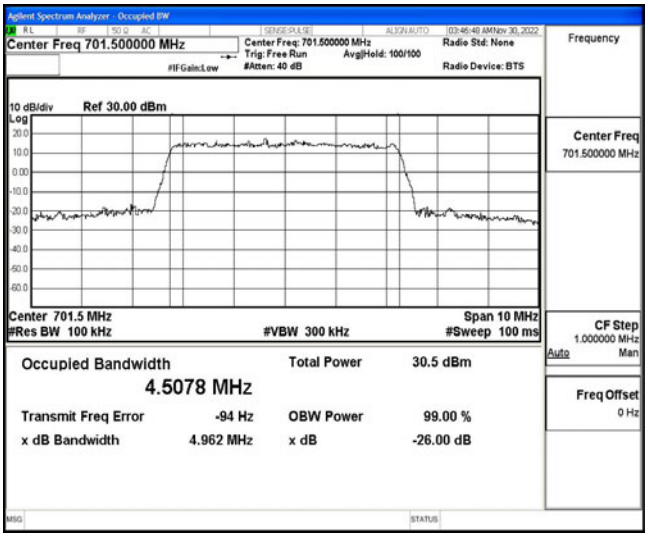
Band12-5MHz-QPSK-23095-25RB#0



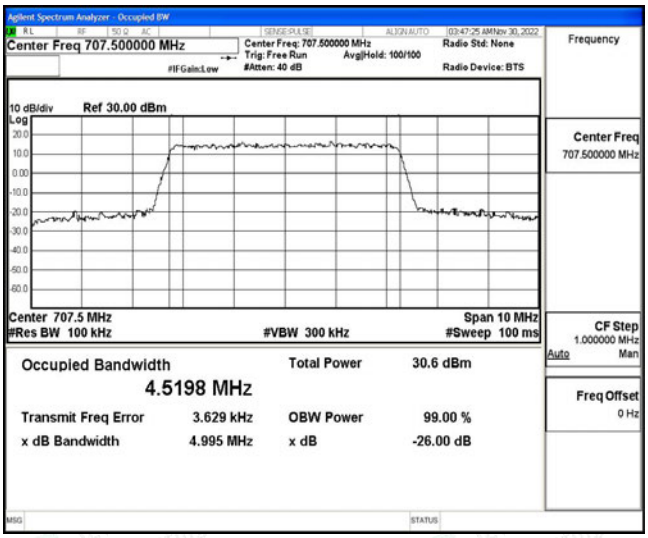
Band12-5MHz-QPSK-23155-25RB#0



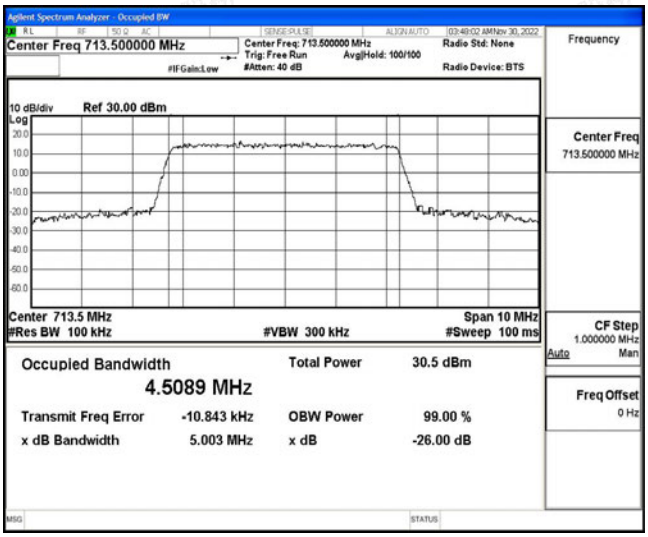
Band12-5MHz-16QAM-23035-25RB#0



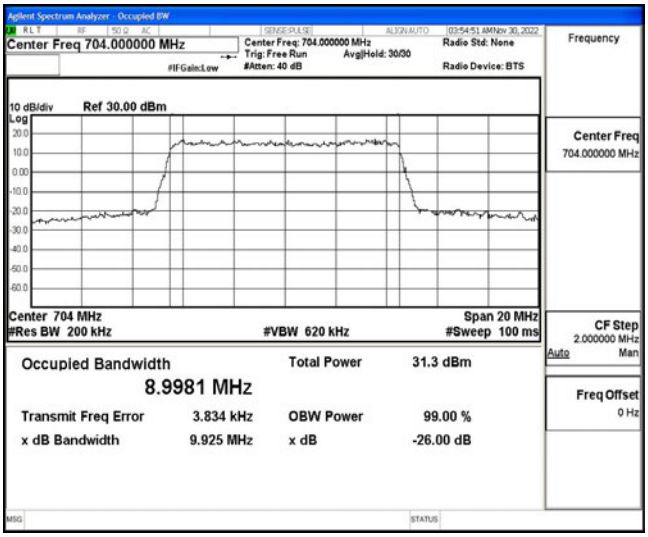
Band12-5MHz-16QAM-23095-25RB#0



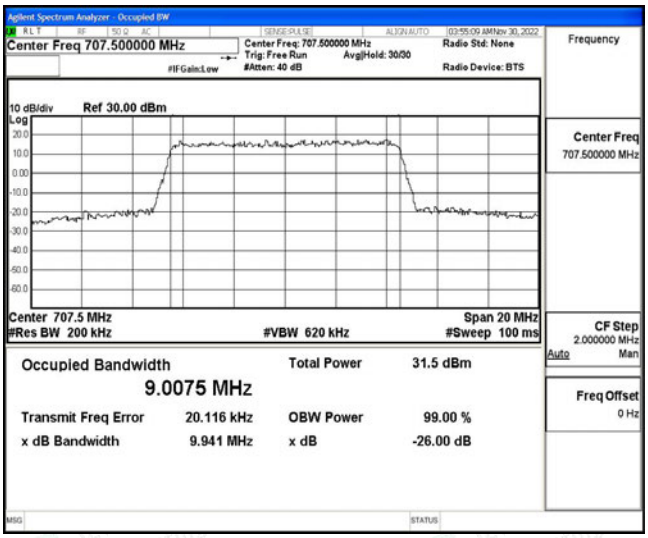
Band12-5MHz-16QAM-23155-25RB#0



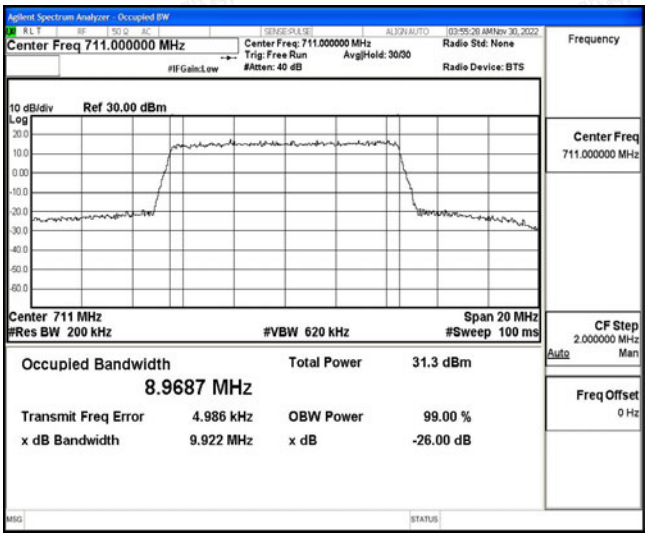
Band12-10MHz-QPSK-23060-50RB#0



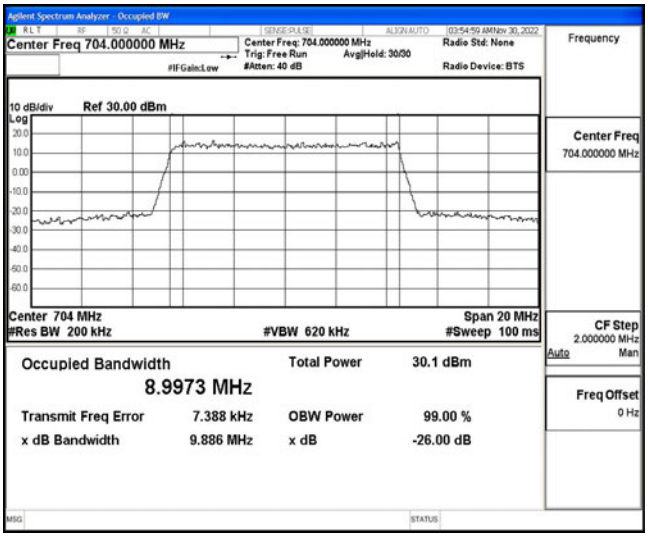
Band12-10MHz-QPSK-23095-50RB#0



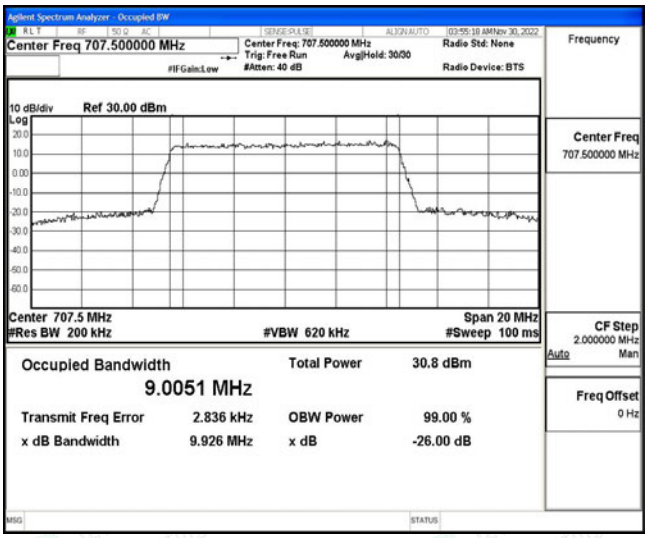
Band12-10MHz-QPSK-23130-50RB#0



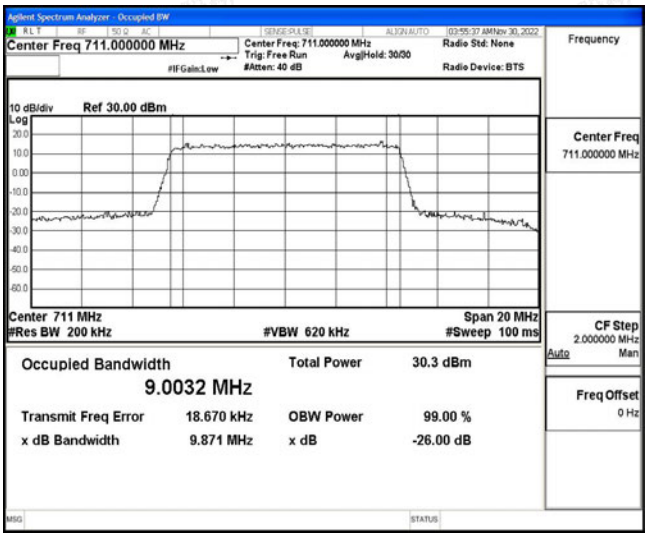
Band12-10MHz-16QAM-23060-50RB#0



Band12-10MHz-16QAM-23095-50RB#0



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


Agilent Spectrum Analyzer - Occupied BW
Center Freq 711.000000 MHz
Center Freq: 711.000000 MHz
Trig: Free Run
Avg|Hold: 30/30
#Atten: 40 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 30.00 dBm
Log
Center Freq
711.000000 MHz
Center 711 MHz
#Res BW 200 kHz
#VBW 620 kHz
Span 20 MHz
#Sweep 100 ms
CF Step
2.000000 MHz
Auto
Man
Occupied Bandwidth
9.0032 MHz
Total Power 30.3 dBm
Transmit Freq Error 18.670 kHz
OBW Power 99.00 %
x dB Bandwidth 9.871 MHz
x dB -26.00 dB
Freq Offset
0 Hz

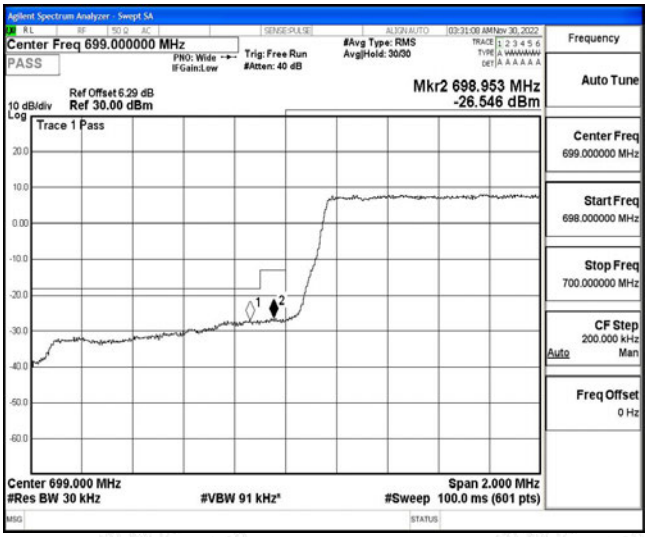
H.4 Band Edge

Test Result

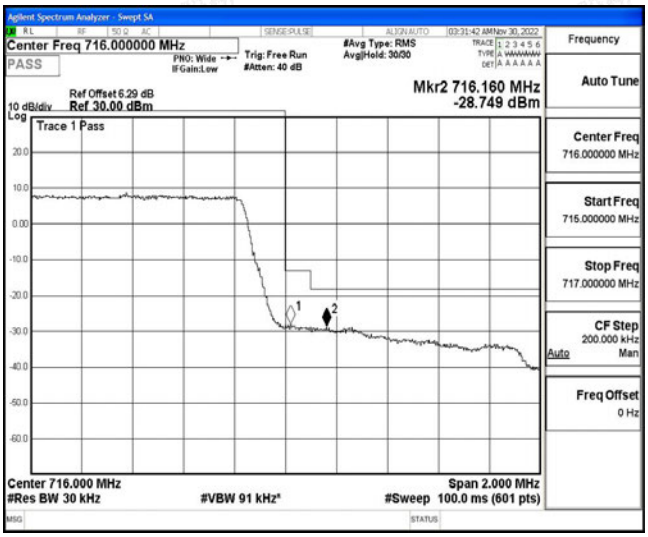
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	-26.99,-26.55	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	-28.06,-28.75	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	-27.26,-26.60	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	-27.33,-27.81	PASS
Band12	3MHz	QPSK	23025	15RB#0	-28.94,-20.83	PASS
Band12	3MHz	QPSK	23165	15RB#0	-21.37,-29.92	PASS
Band12	3MHz	16QAM	23025	15RB#0	-29.84,-22.68	PASS
Band12	3MHz	16QAM	23165	15RB#0	-22.64,-29.56	PASS
Band12	5MHz	QPSK	23035	25RB#0	-25.91	PASS
Band12	5MHz	QPSK	23155	25RB#0	-25.89	PASS
Band12	5MHz	16QAM	23035	25RB#0	-25.79	PASS
Band12	5MHz	16QAM	23155	25RB#0	-25.70	PASS
Band12	10MHz	QPSK	23060	50RB#0	-29.15,-27.46	PASS
Band12	10MHz	QPSK	23130	50RB#0	-26.89,-28.59	PASS
Band12	10MHz	16QAM	23060	50RB#0	-29.64,-28.26	PASS
Band12	10MHz	16QAM	23130	50RB#0	-28.16,-29.83	PASS

Test Graphs

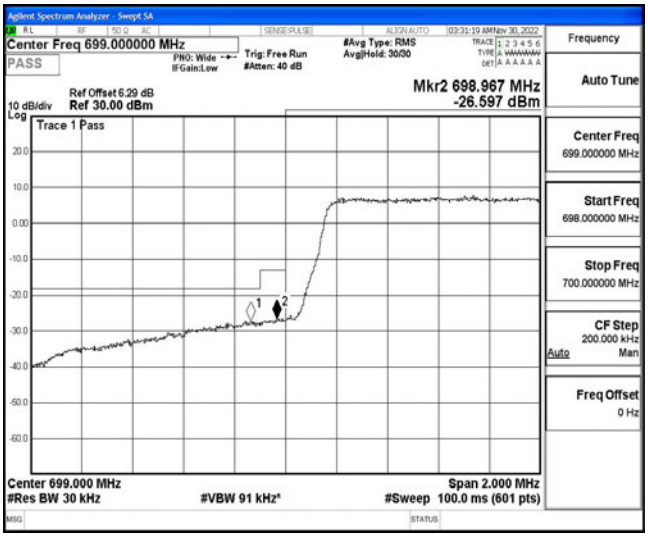
Band12-1.4MHz-QPSK-23017-6RB#0



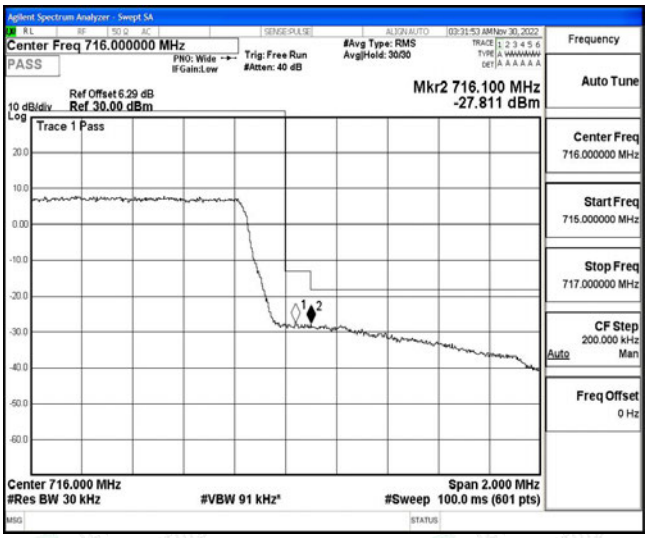
Band12-1.4MHz-QPSK-23173-6RB#0



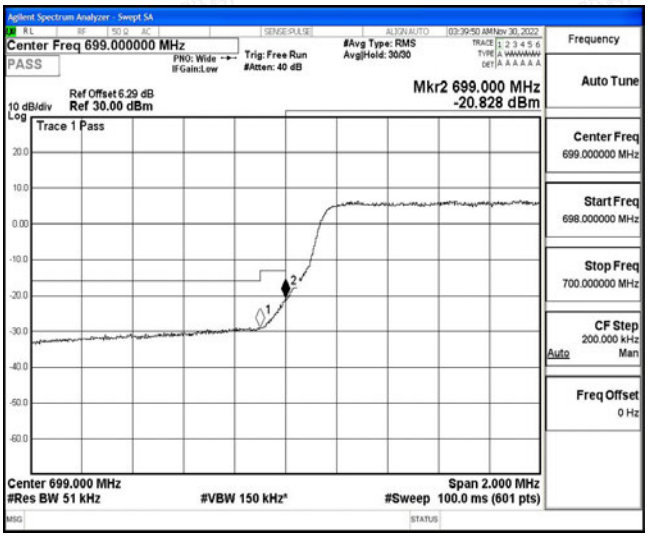
Band12-1.4MHz-16QAM-23017-6RB#0



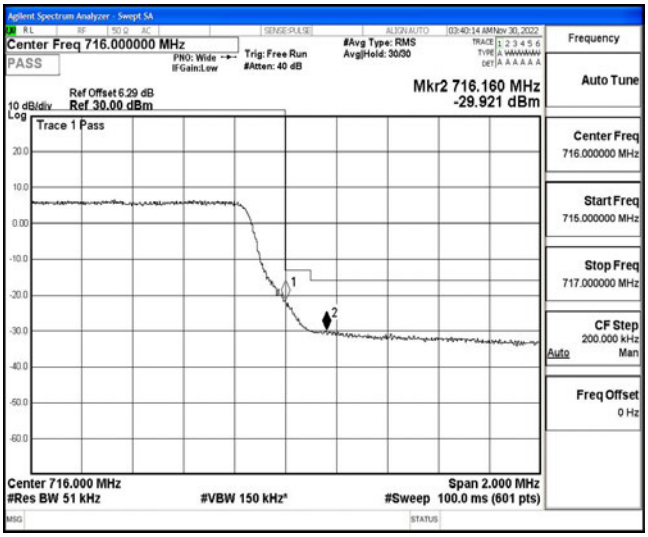
Band12-1.4MHz-16QAM-23173-6RB#0



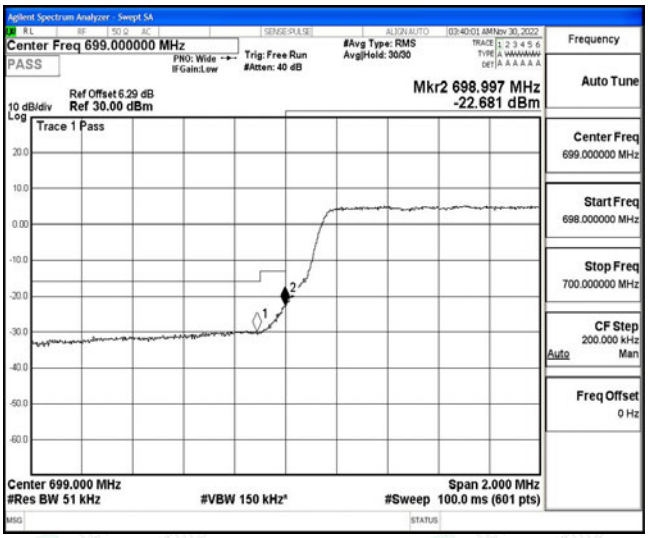
Band12-3MHz-QPSK-23025-15RB#0



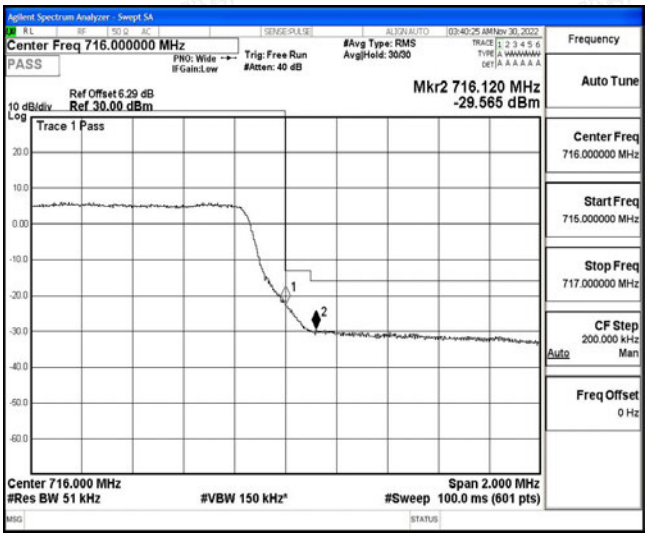
Band12-3MHz-QPSK-23165-15RB#0



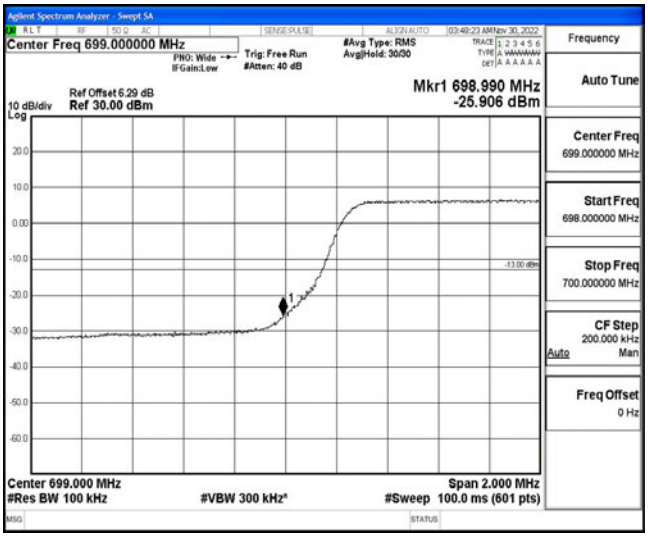
Band12-3MHz-16QAM-23025-15RB#0



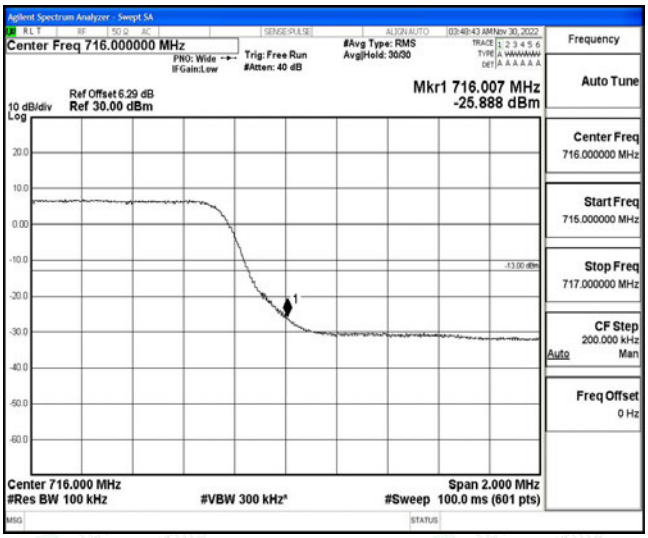
Band12-3MHz-16QAM-23165-15RB#0



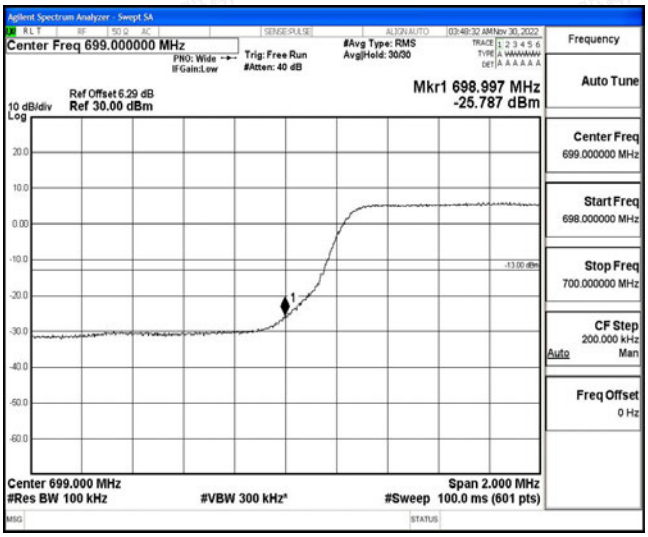
Band12-5MHz-QPSK-23035-25RB#0



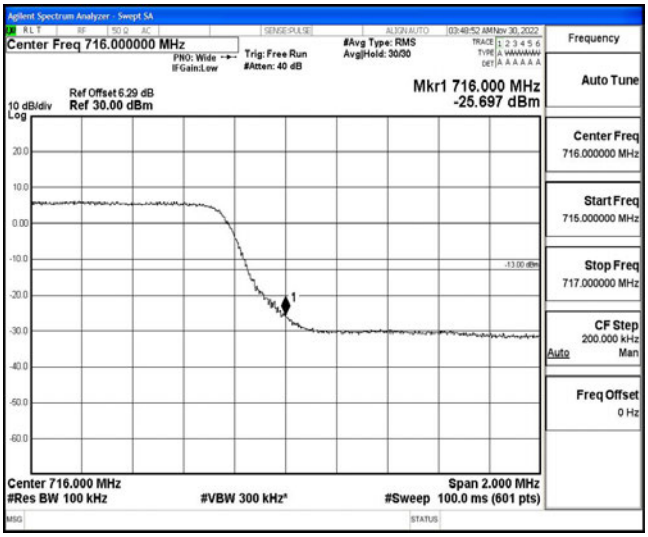
Band12-5MHz-QPSK-23155-25RB#0



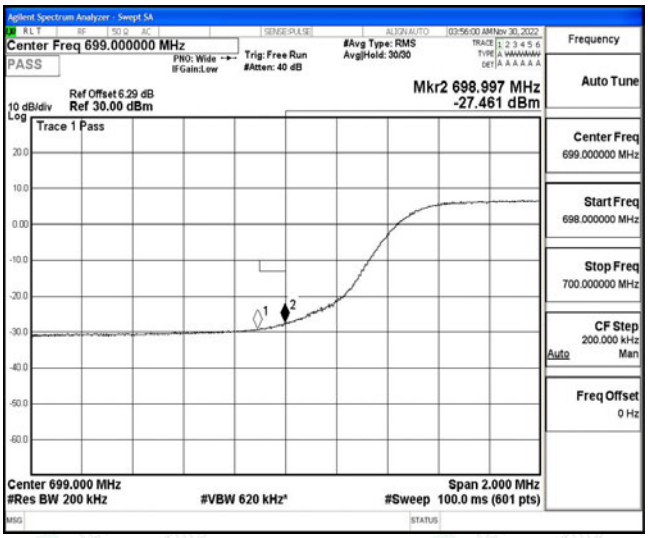
Band12-5MHz-16QAM-23035-25RB#0



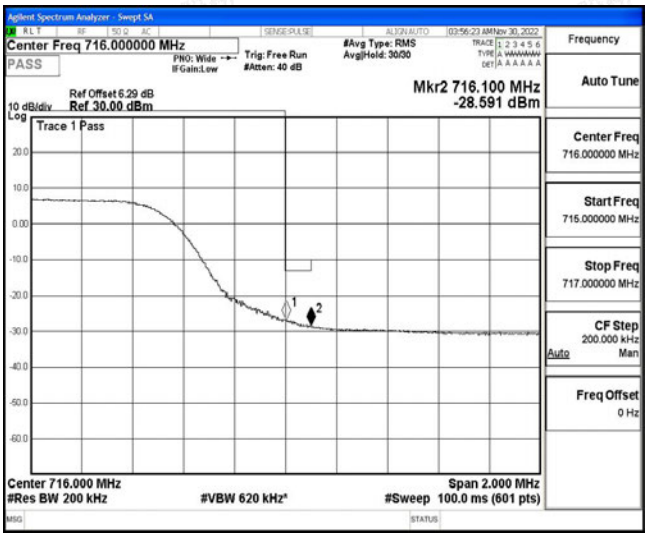
Band12-5MHz-16QAM-23155-25RB#0



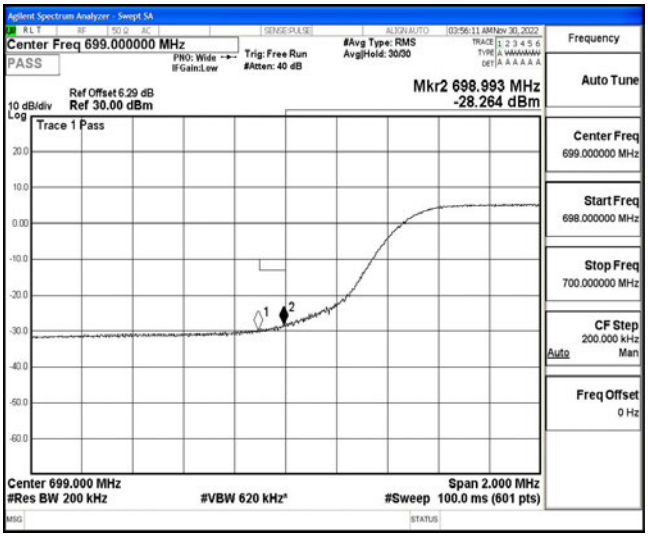
Band12-10MHz-QPSK-23060-50RB#0



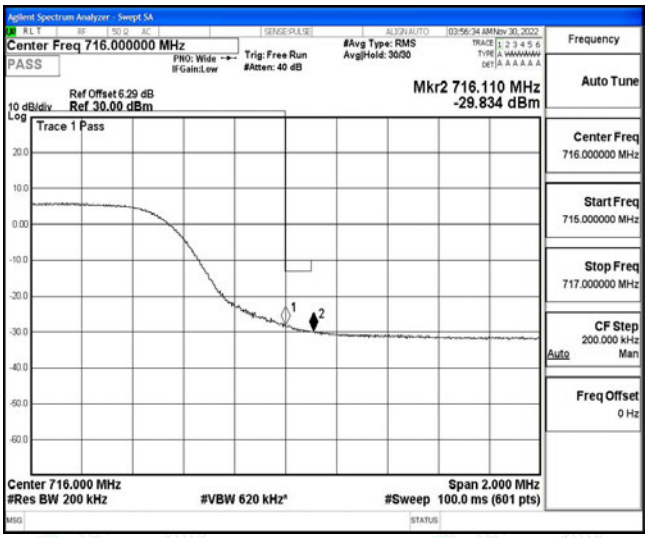
Band12-10MHz-QPSK-23130-50RB#0



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



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



H.5 Conducted Spurious Emission

Test Result

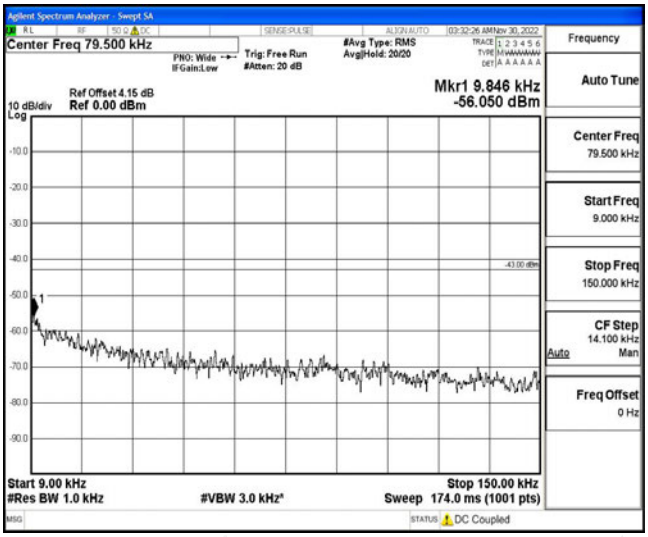
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	Range1:0.009~0.15MHz	-56.05	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range2:0.15~30MHz	-50.24	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range3:30~1000MHz	-40.14	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range4:1000~10000MHz	-45.06	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range1:0.009~0.15MHz	-54.66	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range2:0.15~30MHz	-49.22	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range3:30~1000MHz	-41	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range4:1000~10000MHz	-44.89	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range1:0.009~0.15MHz	-55.94	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range2:0.15~30MHz	-51.85	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range3:30~1000MHz	-39.67	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range4:1000~10000MHz	-44.98	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range1:0.009~0.15MHz	-55.16	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range2:0.15~30MHz	-50.46	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range3:30~1000MHz	-41.28	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range4:1000~10000MHz	-44.79	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range1:0.009~0.15MHz	-55.61	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range2:0.15~30MHz	-50.72	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range3:30~1000MHz	-40.95	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range4:1000~10000MHz	-45.06	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range1:0.009~0.15MHz	-55.12	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range2:0.15~30MHz	-50.48	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range3:30~1000MHz	-39.83	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range4:1000~10000MHz	-44.94	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range1:0.009~0.15MHz	-55.4	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range2:0.15~30MHz	-50.49	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range3:30~1000MHz	-40.24	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range4:1000~10000MHz	-45.05	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range1:0.009~0.15MHz	-55.39	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range2:0.15~30MHz	-52.01	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range3:30~1000MHz	-41.5	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range4:1000~10000MHz	-44.95	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range1:0.009~0.15MHz	-55.89	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range2:0.15~30MHz	-51.49	PASS

Band12	3MHz	QPSK	23165	1RB#0	Range3:30~1000MHz	-40.48	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range4:1000~10000MHz	-45.02	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range1:0.009~0.15MHz	-54.69	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range2:0.15~30MHz	-52.1	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range3:30~1000MHz	-41.21	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range4:1000~10000MHz	-44.81	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range1:0.009~0.15MHz	-55.52	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range2:0.15~30MHz	-51.56	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range3:30~1000MHz	-40.94	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range4:1000~10000MHz	-45.01	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range1:0.009~0.15MHz	-56.14	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range2:0.15~30MHz	-50.55	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range3:30~1000MHz	-40.67	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range4:1000~10000MHz	-44.97	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range1:0.009~0.15MHz	-55.23	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range2:0.15~30MHz	-49.02	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range3:30~1000MHz	-40.28	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range4:1000~10000MHz	-44.97	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range1:0.009~0.15MHz	-53.94	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range2:0.15~30MHz	-50.02	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range3:30~1000MHz	-40.69	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range4:1000~10000MHz	-45.03	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range1:0.009~0.15MHz	-55.95	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range2:0.15~30MHz	-51.64	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range3:30~1000MHz	-39.94	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range4:1000~10000MHz	-44.96	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range1:0.009~0.15MHz	-56.05	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range2:0.15~30MHz	-51.84	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range3:30~1000MHz	-40.95	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range4:1000~10000MHz	-44.96	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range1:0.009~0.15MHz	-55.67	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range2:0.15~30MHz	-49.2	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range3:30~1000MHz	-40.77	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range4:1000~10000MHz	-44.81	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range1:0.009~0.15MHz	-57.07	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range2:0.15~30MHz	-49.22	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range3:30~1000MHz	-40.17	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range4:1000~10000MHz	-44.94	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range1:0.009~0.15MHz	-56.44	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range2:0.15~30MHz	-51.35	PASS

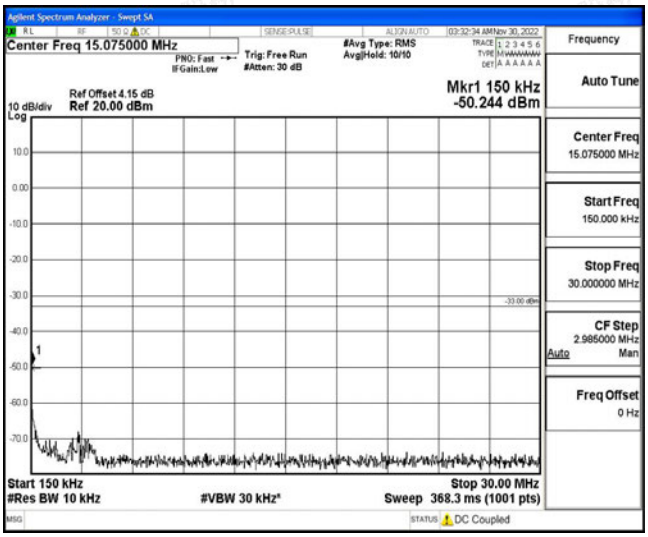
Band12	10MHz	QPSK	23060	1RB#0	Range3:30~1000MHz	-41.32	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range4:1000~10000MHz	-44.54	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range1:0.009~0.15MHz	-56.37	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range2:0.15~30MHz	-51.41	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range3:30~1000MHz	-40.3	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range4:1000~10000MHz	-44.97	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range1:0.009~0.15MHz	-55.41	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range2:0.15~30MHz	-51.77	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range3:30~1000MHz	-41.32	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range4:1000~10000MHz	-44.93	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range1:0.009~0.15MHz	-55.5	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range2:0.15~30MHz	-51.79	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range3:30~1000MHz	-40.7	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range4:1000~10000MHz	-44.57	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range1:0.009~0.15MHz	-56.35	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range2:0.15~30MHz	-52.01	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range3:30~1000MHz	-40.7	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range4:1000~10000MHz	-44.91	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range1:0.009~0.15MHz	-55.15	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range2:0.15~30MHz	-49.4	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range3:30~1000MHz	-40.66	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range4:1000~10000MHz	-44.99	PASS

Test Graphs

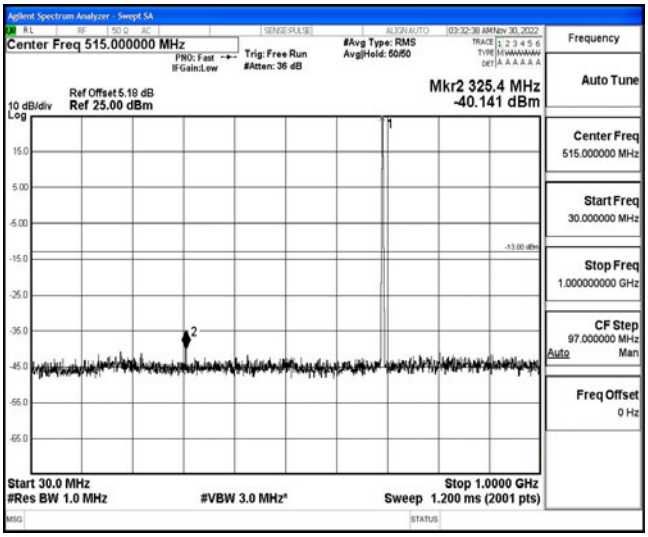
Band12-1.4MHz-QPSK-23017-1RB#0-Range1:0.009~0.15MHz



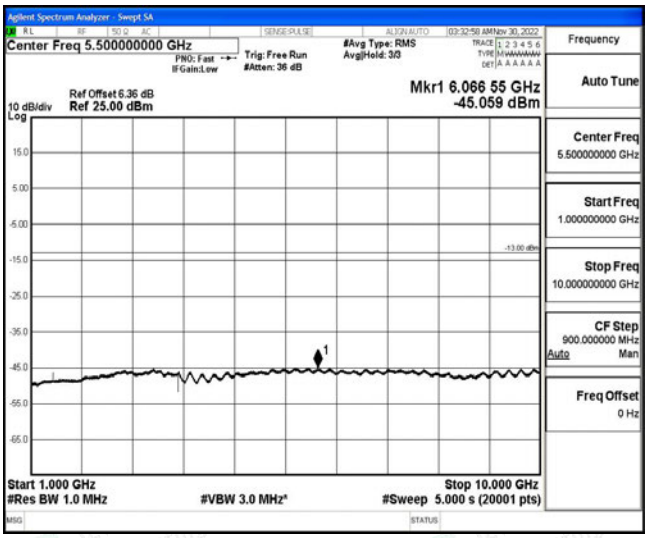
Band12-1.4MHz-QPSK-23017-1RB#0-Range2:0.15~30MHz



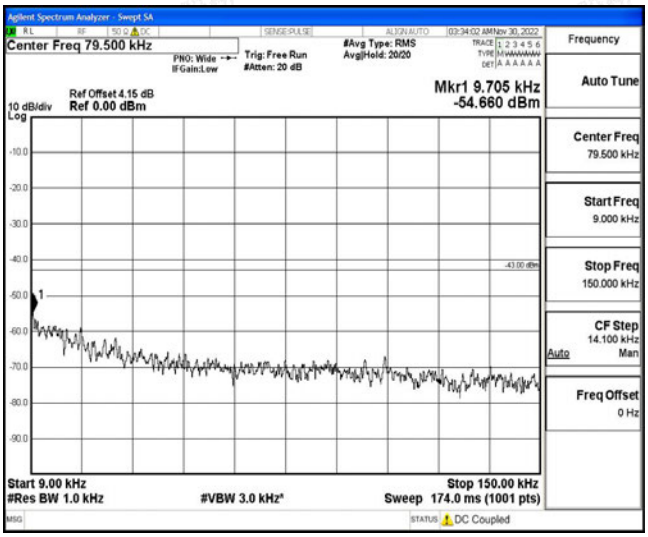
Band12-1.4MHz-QPSK-23017-1RB#0-Range3:30~1000MHz



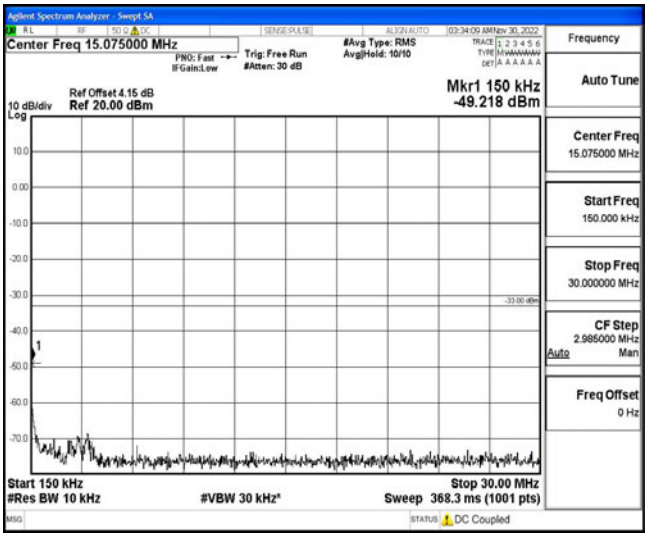
Band12-1.4MHz-QPSK-23017-1RB#0-Range4:1000~10000MHz



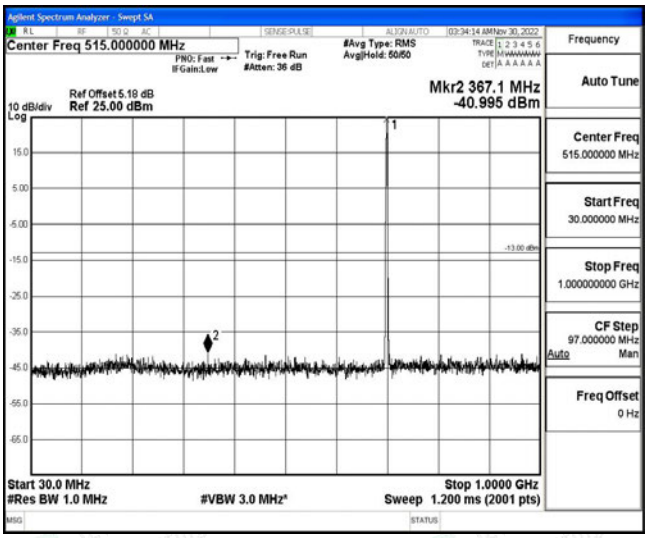
Band12-1.4MHz-QPSK-23095-1RB#0-Range1:0.009~0.15MHz



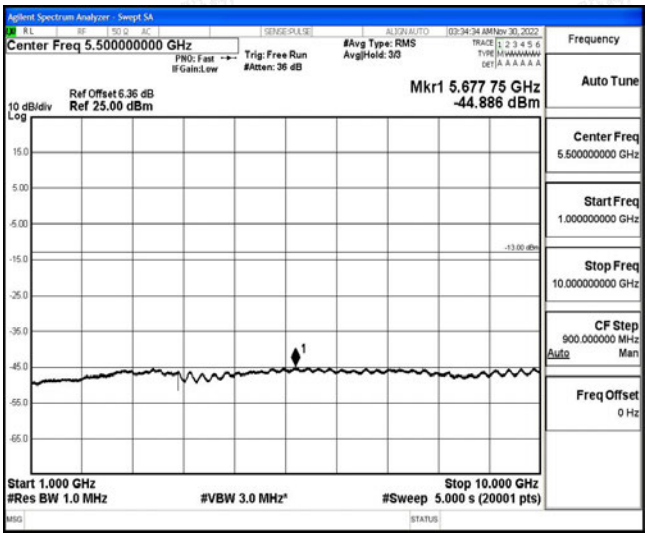
Band12-1.4MHz-QPSK-23095-1RB#0-Range2:0.15~30MHz



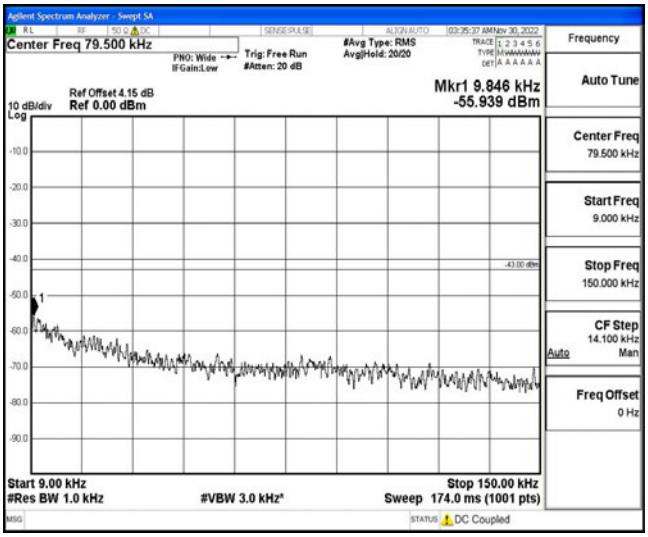
Band12-1.4MHz-QPSK-23095-1RB#0-Range3:30~1000MHz



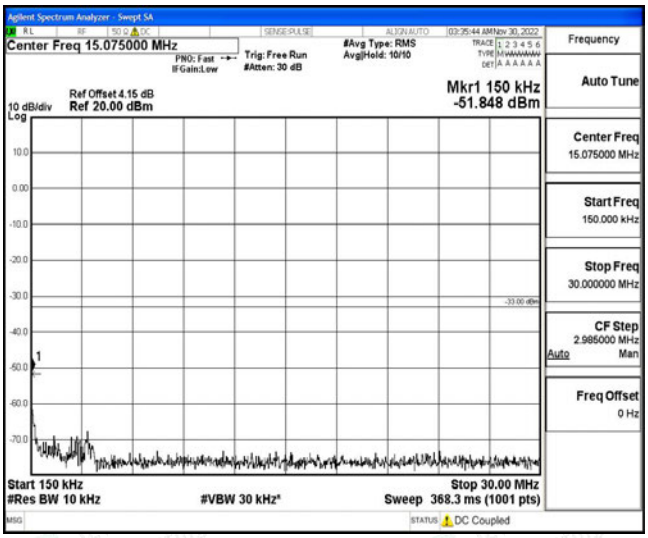
Band12-1.4MHz-QPSK-23095-1RB#0-Range4:1000~10000MHz



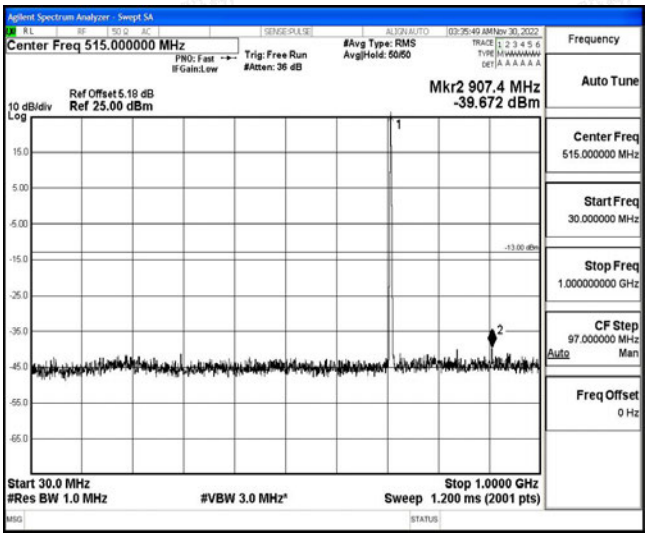
Band12-1.4MHz-QPSK-23173-1RB#0-Range1:0.009~0.15MHz



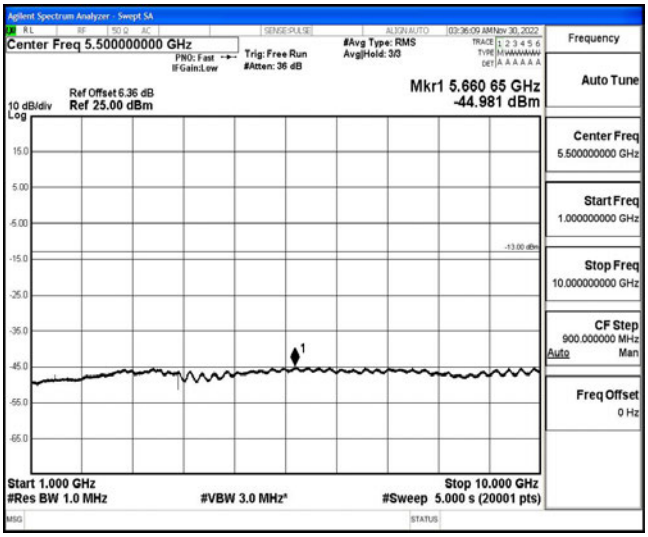
Band12-1.4MHz-QPSK-23173-1RB#0-Range2:0.15~30MHz



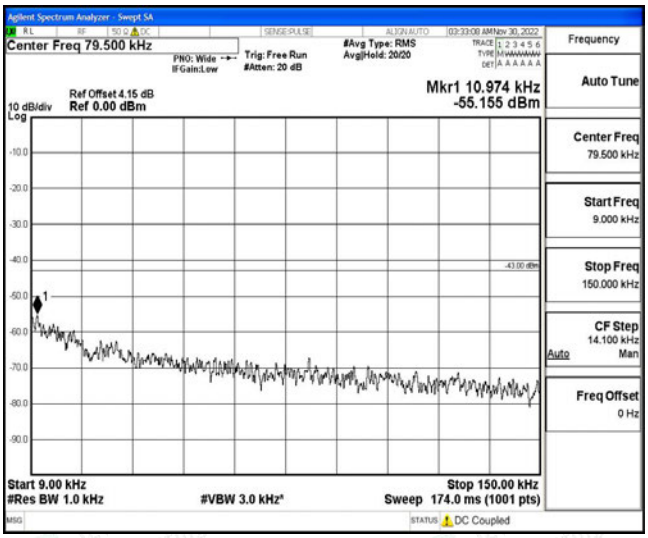
Band12-1.4MHz-QPSK-23173-1RB#0-Range3:30~1000MHz



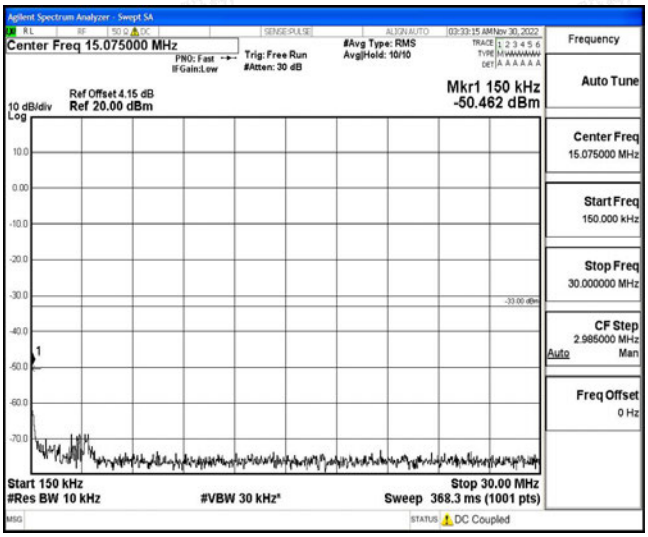
Band12-1.4MHz-QPSK-23173-1RB#0-Range4:1000~10000MHz



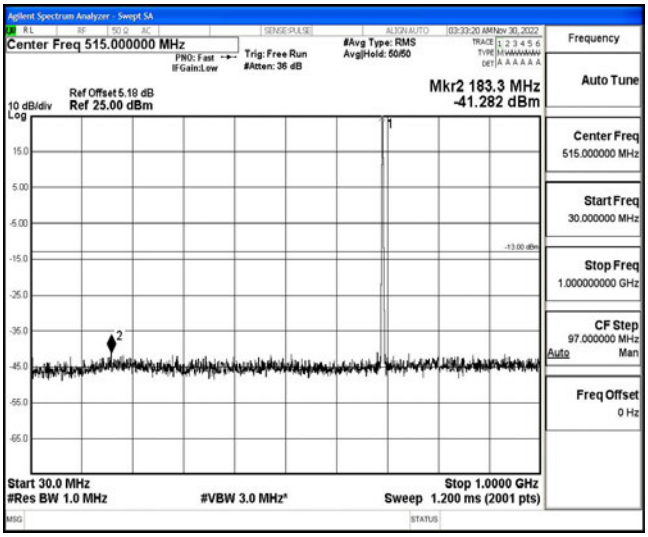
Band12-1.4MHz-16QAM-23017-1RB#0-Range1:0.009~0.15MHz



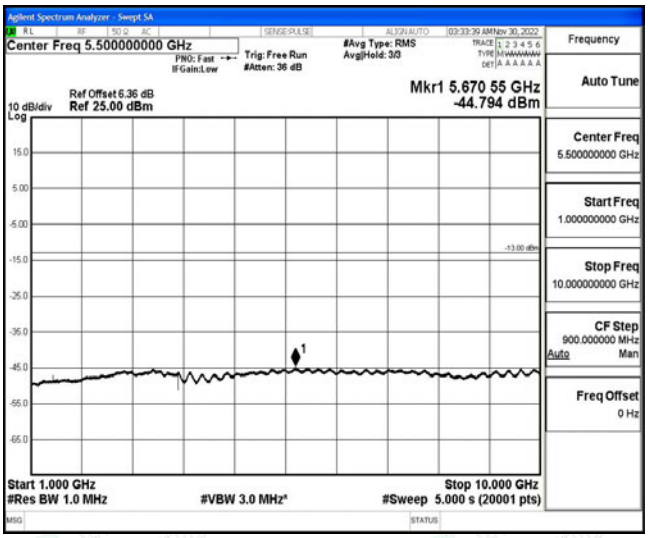
Band12-1.4MHz-16QAM-23017-1RB#0-Range2:0.15~30MHz



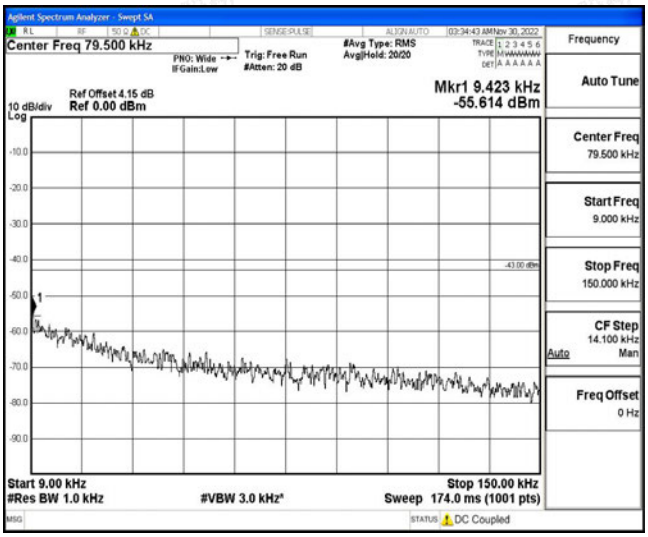
Band12-1.4MHz-16QAM-23017-1RB#0-Range3:30~1000MHz



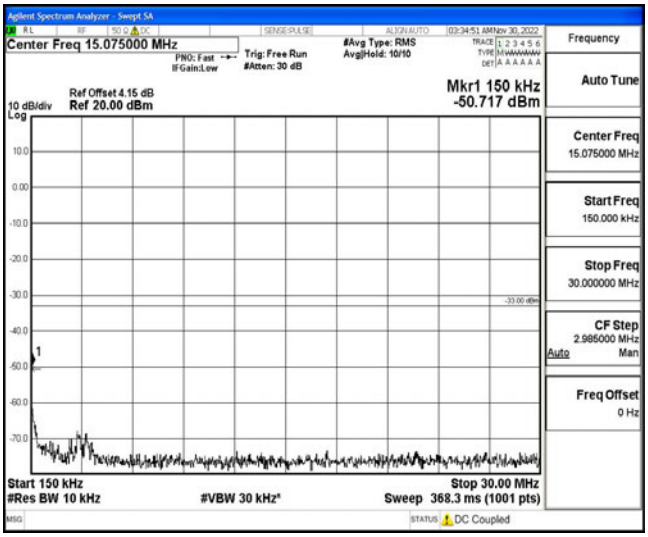
Band12-1.4MHz-16QAM-23017-1RB#0-Range4:1000~10000MHz



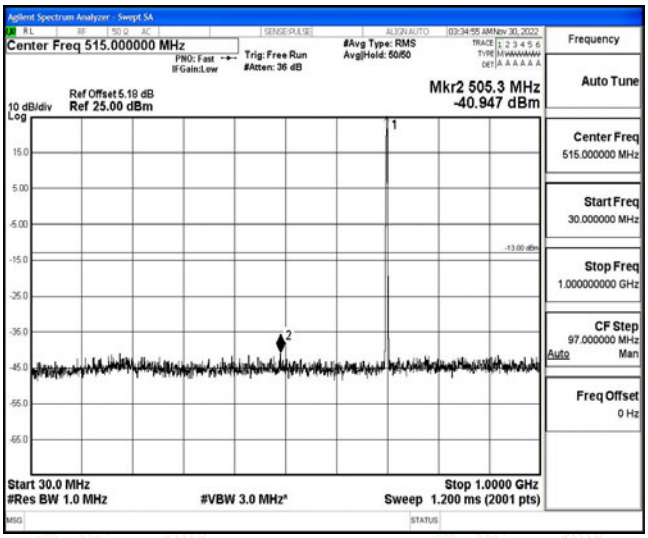
Band12-1.4MHz-16QAM-23095-1RB#0-Range1:0.009~0.15MHz



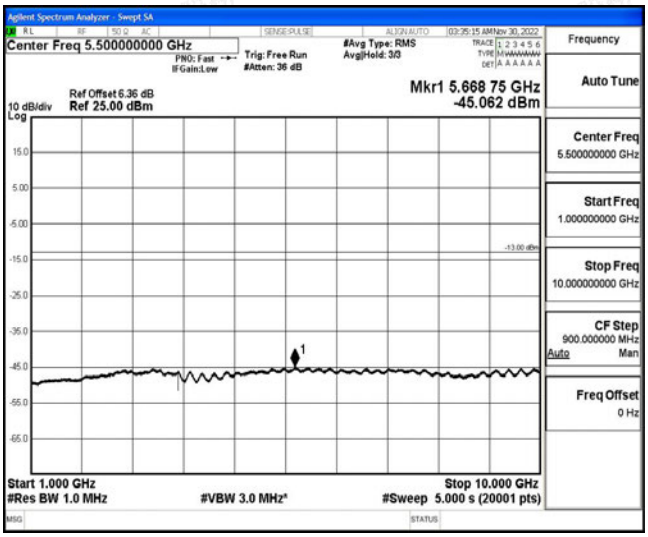
Band12-1.4MHz-16QAM-23095-1RB#0-Range2:0.15~30MHz



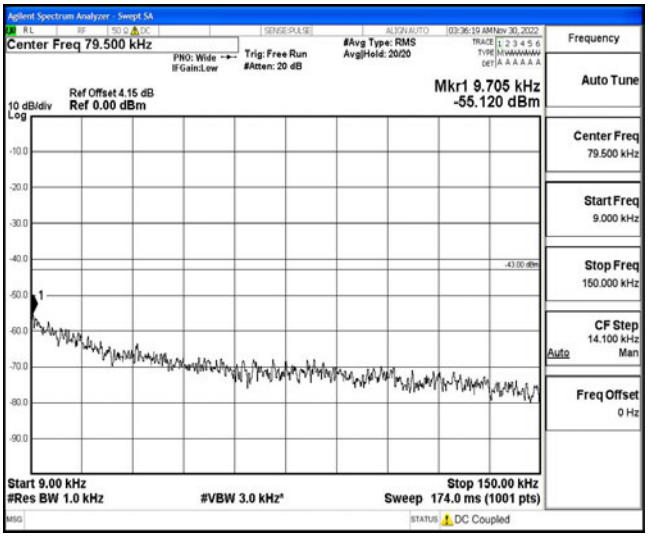
Band12-1.4MHz-16QAM-23095-1RB#0-Range3:30~1000MHz



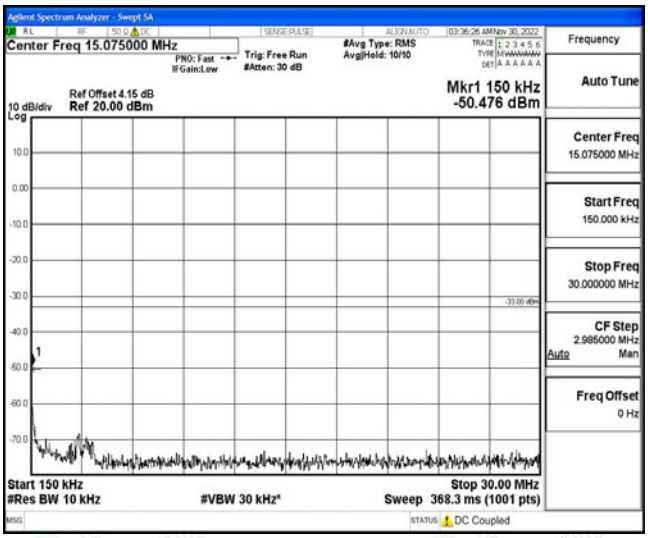
Band12-1.4MHz-16QAM-23095-1RB#0-Range4:1000~10000MHz



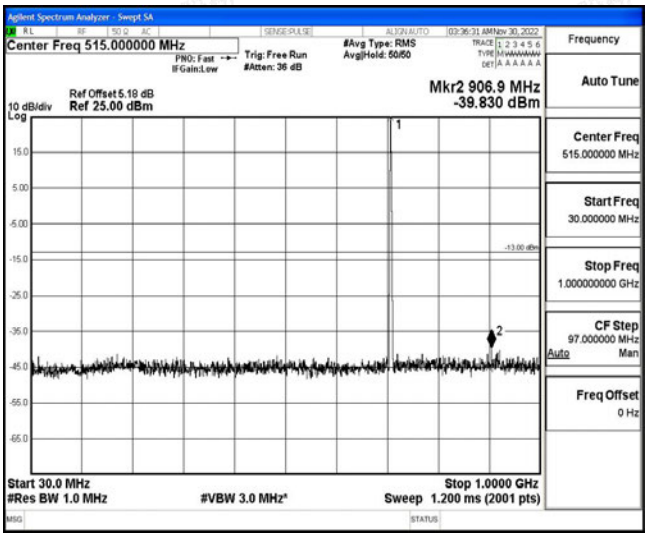
Band12-1.4MHz-16QAM-23173-1RB#0-Range1:0.009~0.15MHz



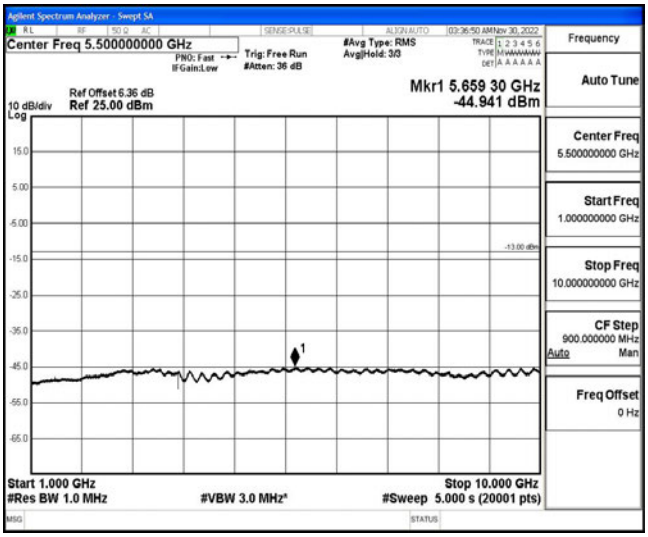
Band12-1.4MHz-16QAM-23173-1RB#0-Range2:0.15~30MHz



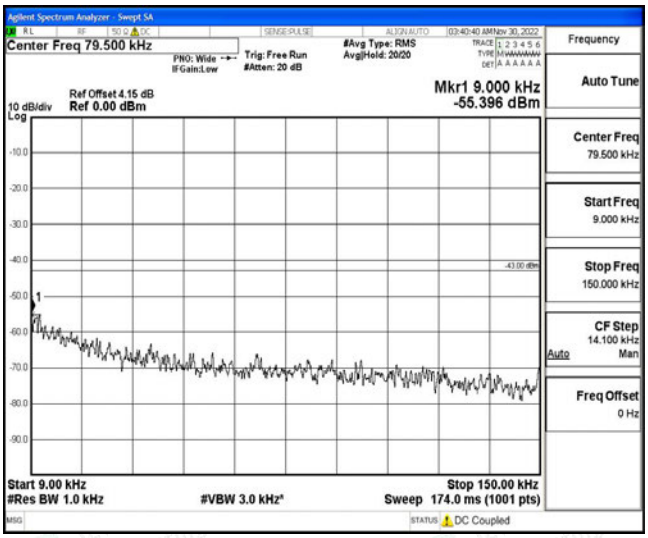
Band12-1.4MHz-16QAM-23173-1RB#0-Range3:30~1000MHz



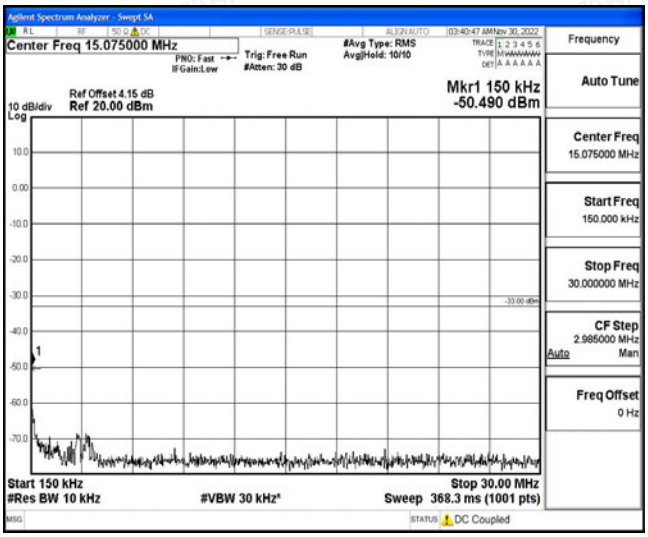
Band12-1.4MHz-16QAM-23173-1RB#0-Range4:1000~10000MHz



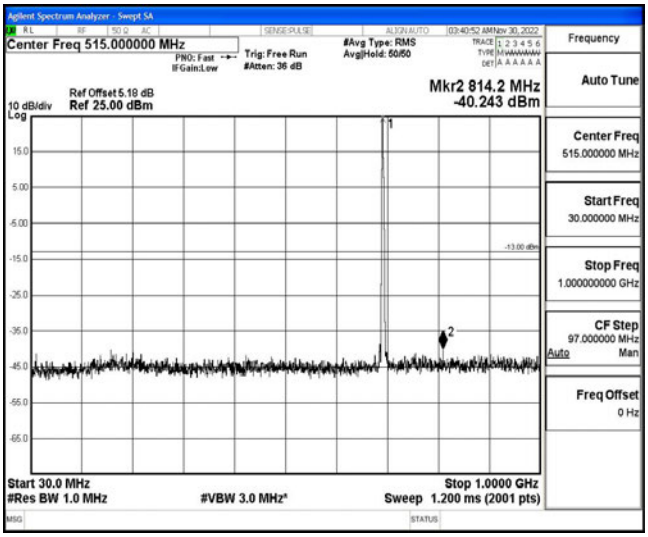
Band12-3MHz-QPSK-23025-1RB#0-Range1:0.009~0.15MHz



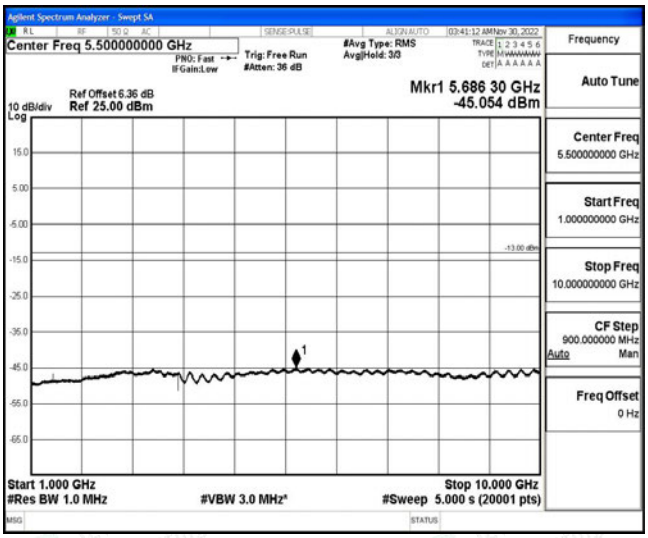
Band12-3MHz-QPSK-23025-1RB#0-Range2:0.15~30MHz



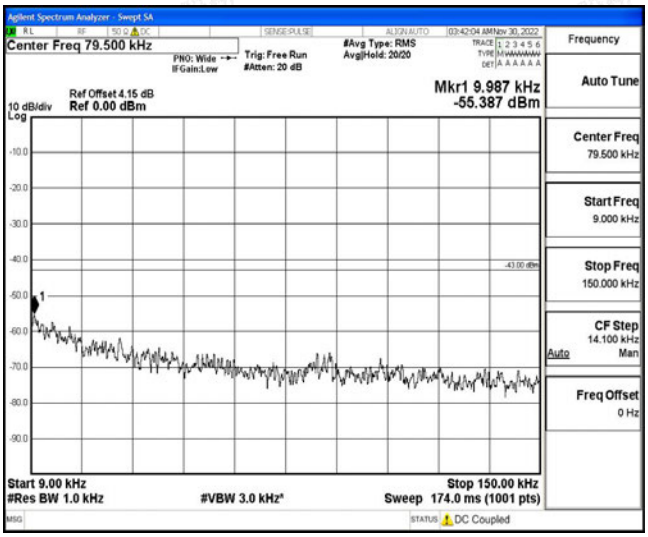
Band12-3MHz-QPSK-23025-1RB#0-Range3:30~1000MHz



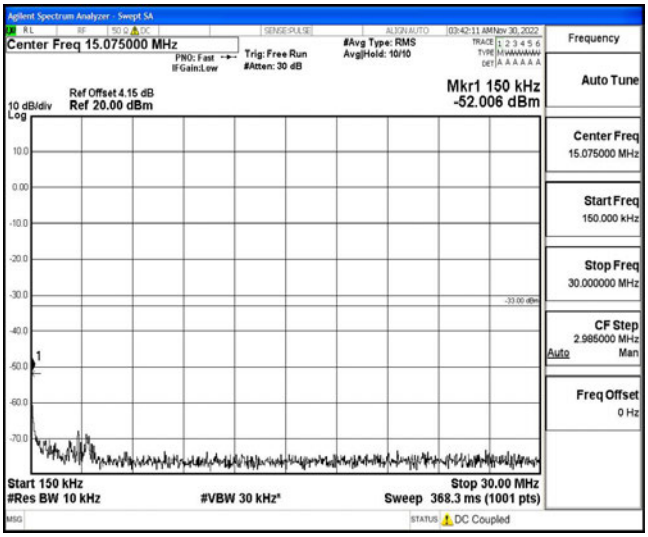
Band12-3MHz-QPSK-23025-1RB#0-Range4:1000~10000MHz



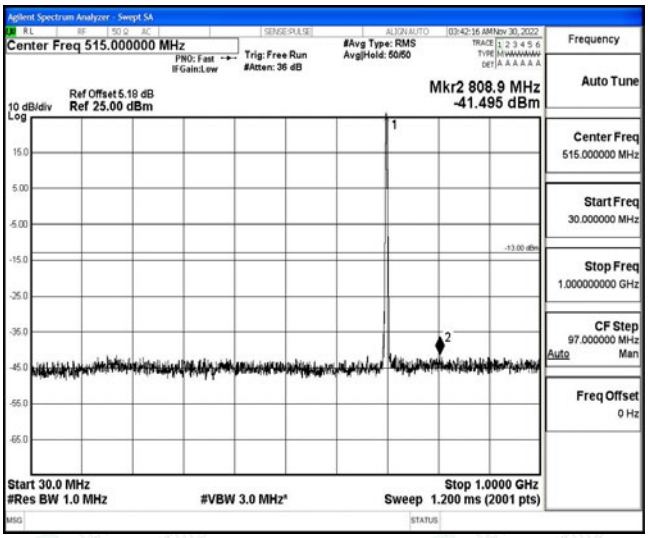
Band12-3MHz-QPSK-23095-1RB#0-Range1:0.009~0.15MHz



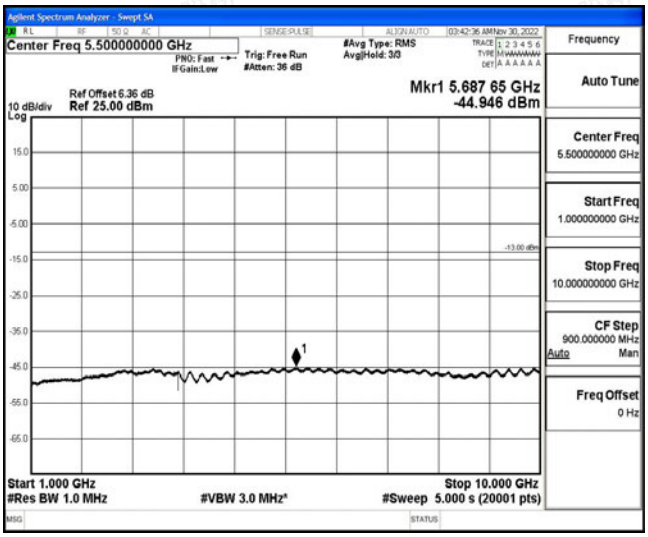
Band12-3MHz-QPSK-23095-1RB#0-Range2:0.15~30MHz



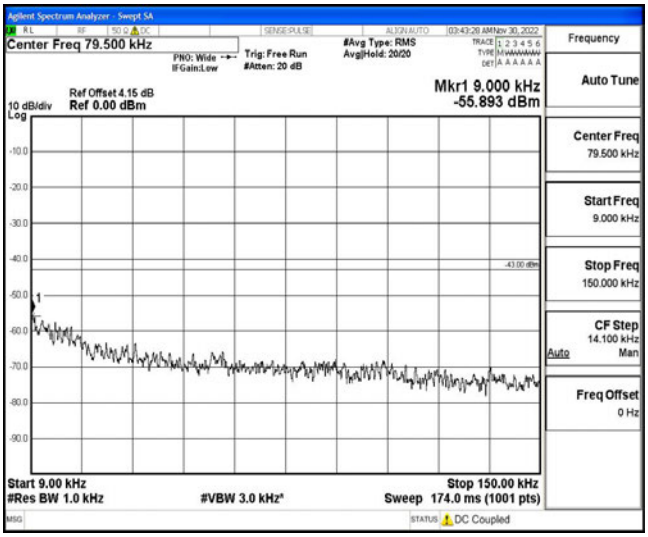
Band12-3MHz-QPSK-23095-1RB#0-Range3:30~1000MHz



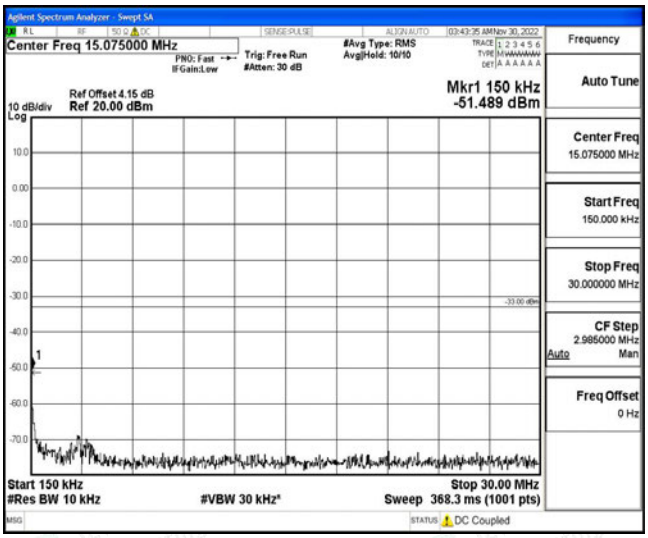
Band12-3MHz-QPSK-23095-1RB#0-Range4:1000~10000MHz



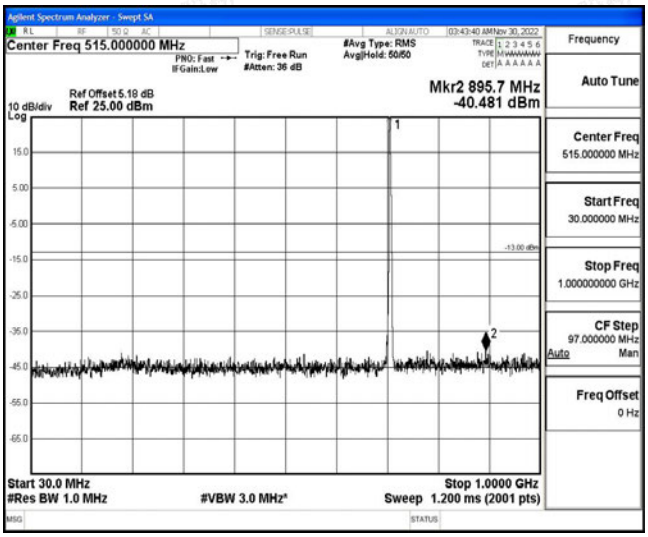
Band12-3MHz-QPSK-23165-1RB#0-Range1:0.009~0.15MHz



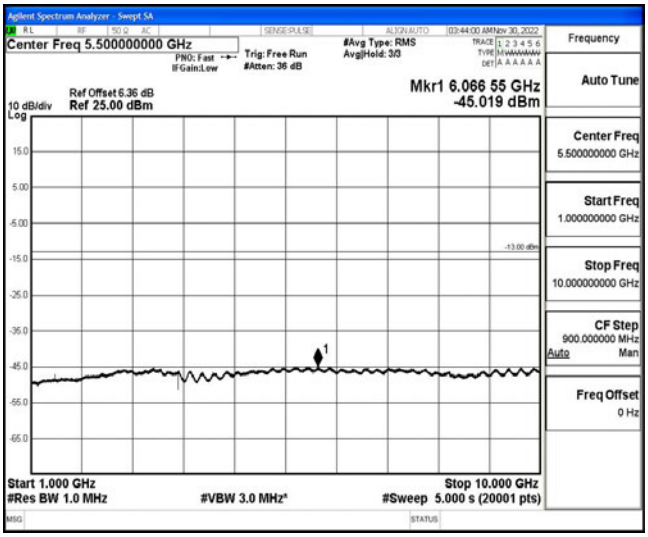
Band12-3MHz-QPSK-23165-1RB#0-Range2:0.15~30MHz



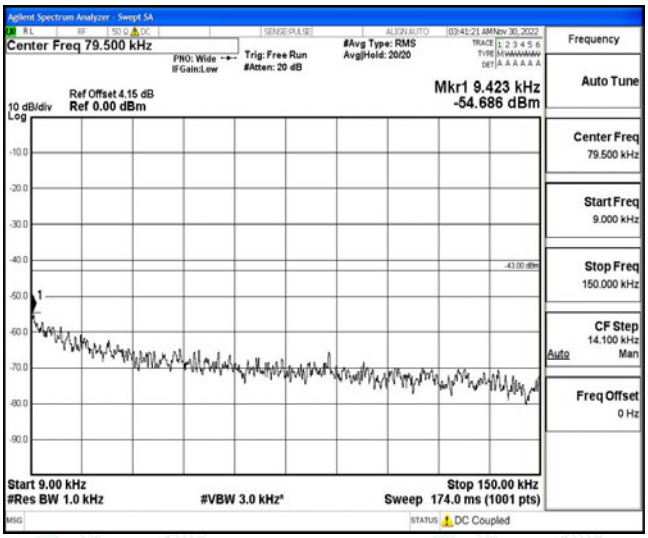
Band12-3MHz-QPSK-23165-1RB#0-Range3:30~1000MHz



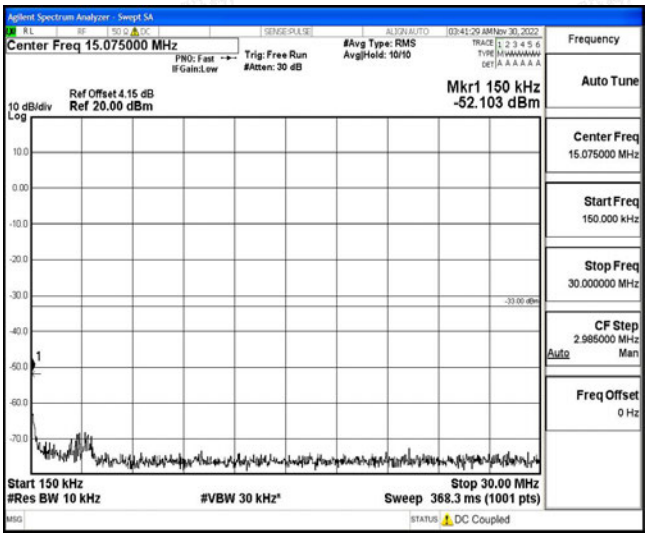
Band12-3MHz-QPSK-23165-1RB#0-Range4:1000~10000MHz



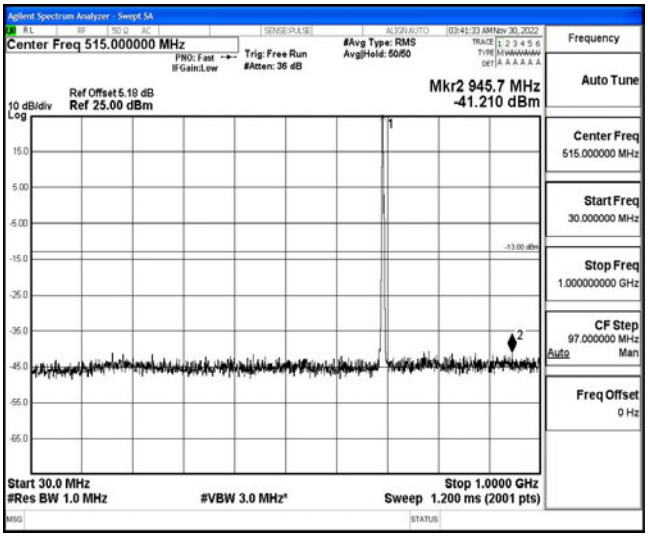
Band12-3MHz-16QAM-23025-1RB#0-Range1:0.009~0.15MHz



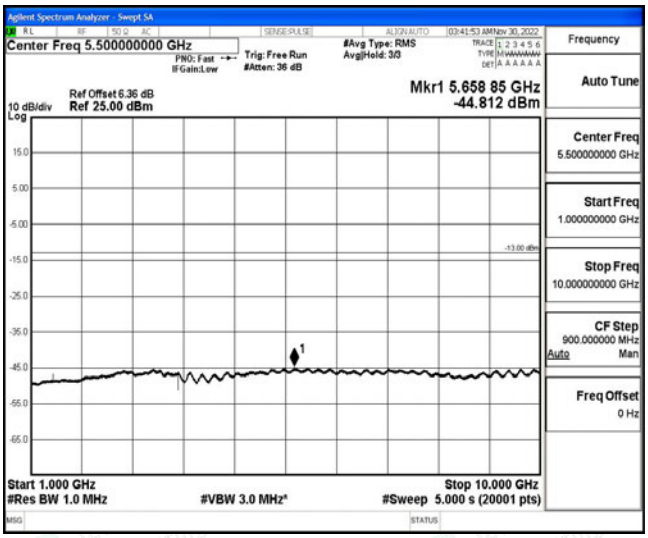
Band12-3MHz-16QAM-23025-1RB#0-Range2:0.15~30MHz



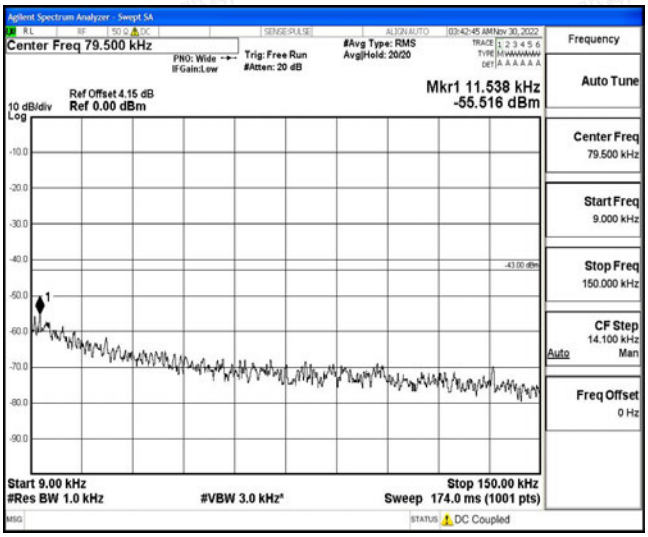
Band12-3MHz-16QAM-23025-1RB#0-Range3:30~1000MHz



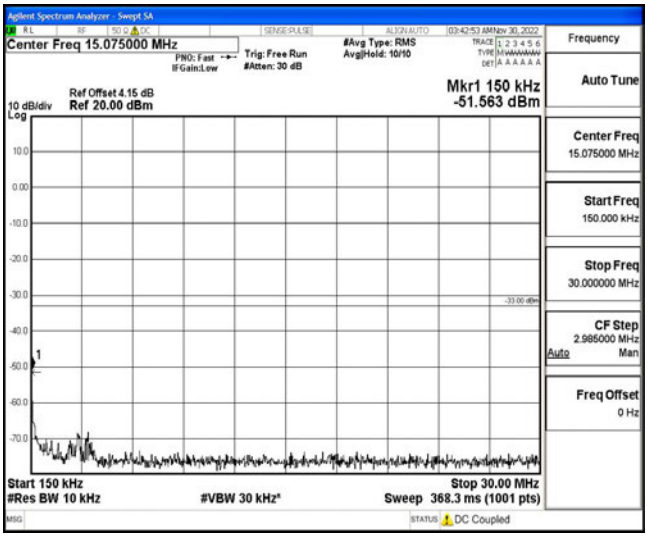
Band12-3MHz-16QAM-23025-1RB#0-Range4:1000~10000MHz



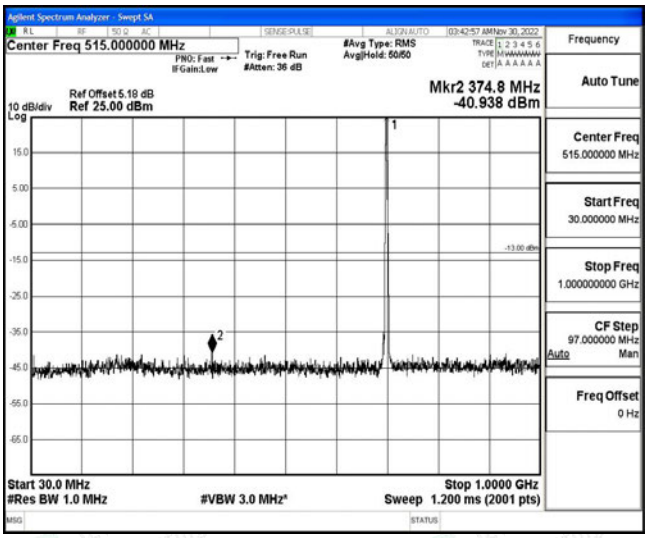
Band12-3MHz-16QAM-23095-1RB#0-Range1:0.009~0.15MHz



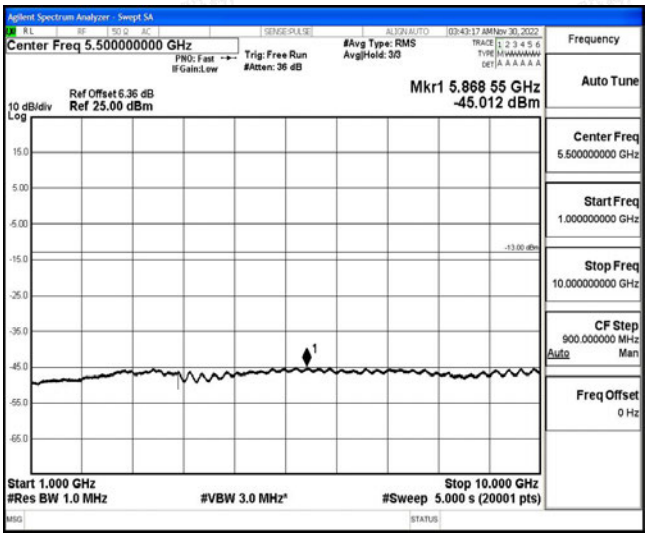
Band12-3MHz-16QAM-23095-1RB#0-Range2:0.15~30MHz



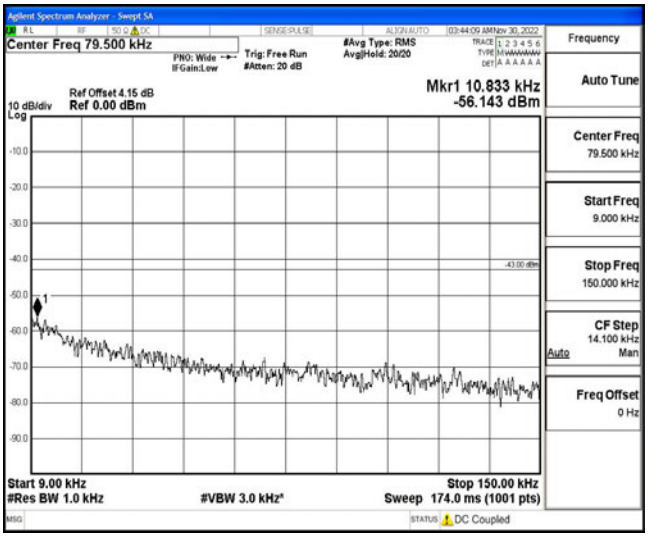
Band12-3MHz-16QAM-23095-1RB#0-Range3:30~1000MHz



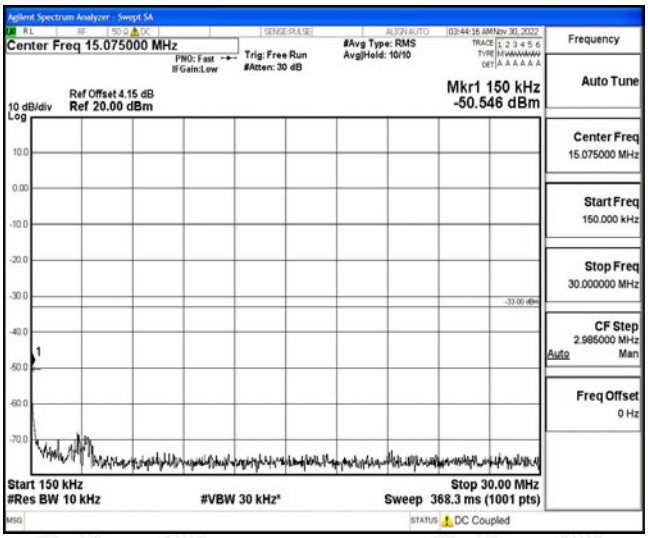
Band12-3MHz-16QAM-23095-1RB#0-Range4:1000~10000MHz



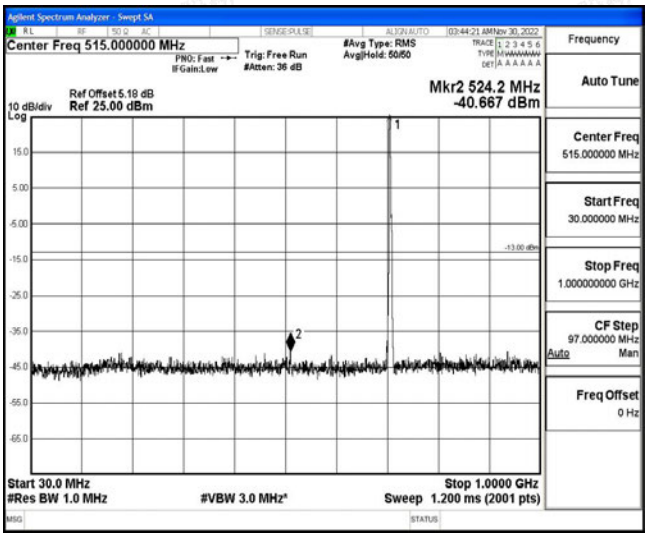
Band12-3MHz-16QAM-23165-1RB#0-Range1:0.009~0.15MHz



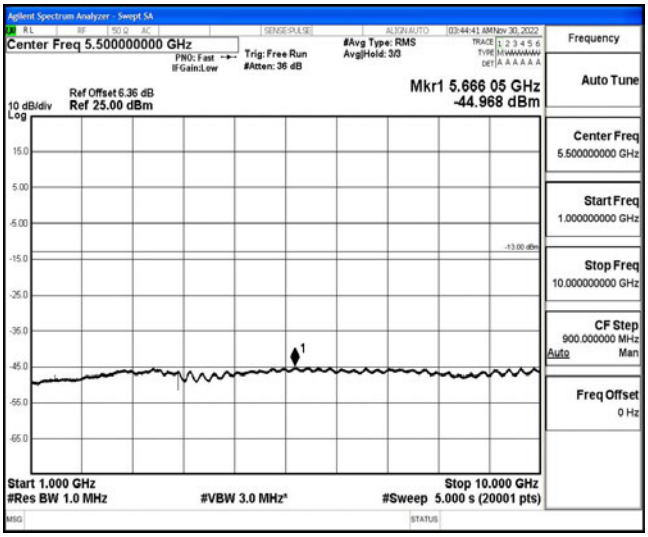
Band12-3MHz-16QAM-23165-1RB#0-Range2:0.15~30MHz



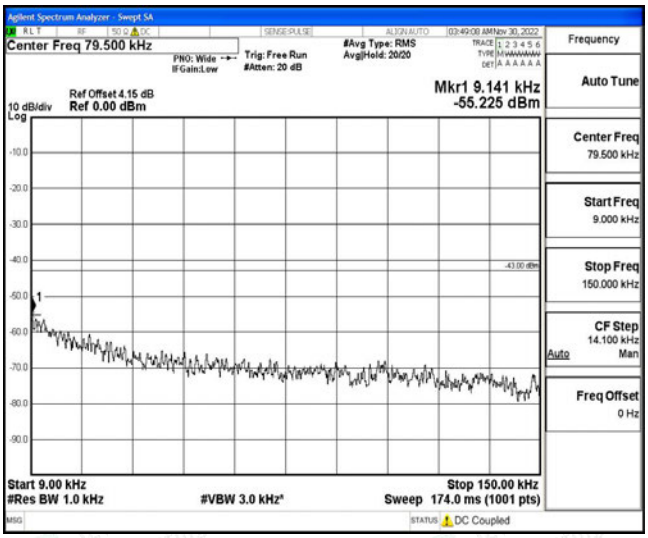
Band12-3MHz-16QAM-23165-1RB#0-Range3:30~1000MHz



Band12-3MHz-16QAM-23165-1RB#0-Range4:1000~10000MHz



Band12-5MHz-QPSK-23035-1RB#0-Range1:0.009~0.15MHz



Band12-5MHz-QPSK-23035-1RB#0-Range2:0.15~30MHz