Appendix H: Test Data for E-UTRA Band 38

Product Name: Telematics Module

Test Model: 8400-13001-00

Environmental Conditions

Temperature:	23.3° C
Relative Humidity:	52.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Nick Peng
Supervised by:	Ling Zhu

H.1 Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	21.65	PASS
Band38	5MHz	QPSK	37775	1RB#12	21.49	PASS
Band38	5MHz	QPSK	37775	1RB#24	21.58	PASS
Band38	5MHz	QPSK	37775	12RB#0	20.41	PASS
Band38	5MHz	QPSK	37775	12RB#6	20.42	PASS
Band38	5MHz	QPSK	37775	12RB#13	20.40	PASS
Band38	5MHz	QPSK	37775	25RB#0	20.44	PASS
Band38	5MHz	QPSK	38000	1RB#0	21.28	PASS
Band38	5MHz	QPSK	38000	1RB#12	21.16	PASS
Band38	5MHz	QPSK	38000	1RB#24	21.25	PASS
Band38	5MHz	QPSK	38000	12RB#0	20.10	PASS
Band38	5MHz	QPSK	38000	12RB#6	20.09	PASS
Band38	5MHz	QPSK	38000	12RB#13	20.05	PASS
Band38	5MHz	QPSK	38000	25RB#0	20.06	PASS
Band38	5MHz	QPSK	38225	1RB#0	20.62	PASS
Band38	5MHz	QPSK	38225	1RB#12	20.63	PASS
Band38	5MHz	QPSK	38225	1RB#24	20.59	PASS
Band38	5MHz	QPSK	38225	12RB#0	19.98	PASS
Band38	5MHz	QPSK	38225	12RB#6	19.92	PASS
Band38	5MHz	QPSK	38225	12RB#13	19.92	PASS
Band38	5MHz	QPSK	38225	25RB#0	19.95	PASS
Band38	5MHz	16QAM	37775	1RB#0	20.98	PASS
Band38	5MHz	16QAM	37775	1RB#12	21.02	PASS
Band38	5MHz	16QAM	37775	1RB#24	20.90	PASS
Band38	5MHz	16QAM	37775	12RB#0	19.84	PASS
Band38	5MHz	16QAM	37775	12RB#6	19.76	PASS
Band38	5MHz	16QAM	37775	12RB#13	19.81	PASS
Band38	5MHz	16QAM	37775	25RB#0	19.86	PASS
Band38	5MHz	16QAM	38000	1RB#0	20.57	PASS
Band38	5MHz	16QAM	38000	1RB#12	20.56	PASS

Band38	5MHz	16QAM	38000	1RB#24	20.44	PASS
Band38	5MHz	16QAM	38000	12RB#0	19.51	PASS
Band38	5MHz	16QAM	38000	12RB#6	19.43	PASS
Band38	5MHz	16QAM	38000	12RB#13	19.43	PASS
Band38	5MHz	16QAM	38000	25RB#0	19.54	PASS
Band38	5MHz	16QAM	38225	1RB#0	20.57	PASS
Band38	5MHz	16QAM	38225	1RB#12	20.56	PASS
Band38	5MHz	16QAM	38225	1RB#24	20.42	PASS
Band38	5MHz	16QAM	38225	12RB#0	19.10	PASS
Band38	5MHz	16QAM	38225	12RB#6	19.20	PASS
Band38	5MHz	16QAM	38225	12RB#13	19.12	PASS
Band38	5MHz	16QAM	38225	25RB#0	19.21	PASS
Band38	10MHz	QPSK	37800	1RB#0	21.60	PASS
Band38	10MHz	QPSK	37800	1RB#24	21.65	PASS
Band38	10MHz	QPSK	37800	1RB#49	21.55	PASS
Band38	10MHz	QPSK	37800	25RB#0	20.48	PASS
Band38	10MHz	QPSK	37800	25RB#12	20.50	PASS
Band38	10MHz	QPSK	37800	25RB#25	20.44	PASS
Band38	10MHz	QPSK	37800	50RB#0	20.42	PASS
Band38	10MHz	QPSK	38000	1RB#0	21.57	PASS
Band38	10MHz	QPSK	38000	1RB#24	21.36	PASS
Band38	10MHz	QPSK	38000	1RB#49	21.39	PASS
Band38	10MHz	QPSK	38000	25RB#0	20.28	PASS
Band38	10MHz	QPSK	38000	25RB#12	20.29	PASS
Band38	10MHz	QPSK	38000	25RB#25	20.28	PASS
Band38	10MHz	QPSK	38000	50RB#0	20.35	PASS
Band38	10MHz	QPSK	38200	1RB#0	20.82	PASS
Band38	10MHz	QPSK	38200	1RB#24	20.90	PASS
Band38	10MHz	QPSK	38200	1RB#49	20.83	PASS
Band38	10MHz	QPSK	38200	25RB#0	20.08	PASS
Band38	10MHz	QPSK	38200	25RB#12	20.08	PASS
Band38	10MHz	QPSK	38200	25RB#25	19.98	PASS
Band38	10MHz	QPSK	38200	50RB#0	19.88	PASS
Band38	10MHz	16QAM	37800	1RB#0	21.12	PASS
Band38	10MHz	16QAM	37800	1RB#24	21.19	PASS

Band38	10MHz	16QAM	37800	1RB#49	21.19	PASS
Band38	10MHz	16QAM	37800	25RB#0	19.83	PASS
Band38	10MHz	16QAM	37800	25RB#12	19.83	PASS
Band38	10MHz	16QAM	37800	25RB#25	19.85	PASS
Band38	10MHz	16QAM	37800	50RB#0	19.85	PASS
Band38	10MHz	16QAM	38000	1RB#0	21.12	PASS
Band38	10MHz	16QAM	38000	1RB#24	20.99	PASS
Band38	10MHz	16QAM	38000	1RB#49	20.90	PASS
Band38	10MHz	16QAM	38000	25RB#0	19.70	PASS
Band38	10MHz	16QAM	38000	25RB#12	19.67	PASS
Band38	10MHz	16QAM	38000	25RB#25	19.55	PASS
Band38	10MHz	16QAM	38000	50RB#0	19.72	PASS
Band38	10MHz	16QAM	38200	1RB#0	20.11	PASS
Band38	10MHz	16QAM	38200	1RB#24	20.24	PASS
Band38	10MHz	16QAM	38200	1RB#49	20.22	PASS
Band38	10MHz	16QAM	38200	25RB#0	19.74	PASS
Band38	10MHz	16QAM	38200	25RB#12	19.40	PASS
Band38	10MHz	16QAM	38200	25RB#25	19.43	PASS
Band38	10MHz	16QAM	38200	50RB#0	19.21	PASS
Band38	15MHz	QPSK	37825	1RB#0	21.71	PASS
Band38	15MHz	QPSK	37825	1RB#38	21.70	PASS
Band38	15MHz	QPSK	37825	1RB#74	21.54	PASS
Band38	15MHz	QPSK	37825	38RB#0	20.55	PASS
Band38	15MHz	QPSK	37825	38RB#18	20.56	PASS
Band38	15MHz	QPSK	37825	38RB#37	20.55	PASS
Band38	15MHz	QPSK	37825	75RB#0	20.56	PASS
Band38	15MHz	QPSK	38000	1RB#0	21.63	PASS
Band38	15MHz	QPSK	38000	1RB#38	21.43	PASS
Band38	15MHz	QPSK	38000	1RB#74	21.34	PASS
Band38	15MHz	QPSK	38000	38RB#0	20.33	PASS
Band38	15MHz	QPSK	38000	38RB#18	20.33	PASS
Band38	15MHz	QPSK	38000	38RB#37	20.30	PASS
Band38	15MHz	QPSK	38000	75RB#0	20.33	PASS
Band38	15MHz	QPSK	38175	1RB#0	21.18	PASS
Band38	15MHz	QPSK	38175	1RB#38	21.04	PASS

Band38	15MHz	QPSK	38175	1RB#74	21.07	PASS
Band38	15MHz	QPSK	38175	38RB#0	20.16	PASS
Band38	15MHz	QPSK	38175	38RB#18	20.14	PASS
Band38	15MHz	QPSK	38175	38RB#37	20.15	PASS
Band38	15MHz	QPSK	38175	75RB#0	20.15	PASS
Band38	15MHz	16QAM	37825	1RB#0	21.94	PASS
Band38	15MHz	16QAM	37825	1RB#38	21.81	PASS
Band38	15MHz	16QAM	37825	1RB#74	21.71	PASS
Band38	15MHz	16QAM	37825	38RB#0	20.56	PASS
Band38	15MHz	16QAM	37825	38RB#18	20.56	PASS
Band38	15MHz	16QAM	37825	38RB#37	20.55	PASS
Band38	15MHz	16QAM	37825	75RB#0	20.11	PASS
Band38	15MHz	16QAM	38000	1RB#0	21.19	PASS
Band38	15MHz	16QAM	38000	1RB#38	21.02	PASS
Band38	15MHz	16QAM	38000	1RB#74	20.82	PASS
Band38	15MHz	16QAM	38000	38RB#0	20.30	PASS
Band38	15MHz	16QAM	38000	38RB#18	20.37	PASS
Band38	15MHz	16QAM	38000	38RB#37	20.36	PASS
Band38	15MHz	16QAM	38000	75RB#0	19.63	PASS
Band38	15MHz	16QAM	38175	1RB#0	19.50	PASS
Band38	15MHz	16QAM	38175	1RB#38	19.67	PASS
Band38	15MHz	16QAM	38175	1RB#74	19.72	PASS
Band38	15MHz	16QAM	38175	38RB#0	20.15	PASS
Band38	15MHz	16QAM	38175	38RB#18	20.15	PASS
Band38	15MHz	16QAM	38175	38RB#37	20.14	PASS
Band38	15MHz	16QAM	38175	75RB#0	19.51	PASS
Band38	20MHz	QPSK	37850	1RB#0	21.17	PASS
Band38	20MHz	QPSK	37850	1RB#49	21.14	PASS
Band38	20MHz	QPSK	37850	1RB#99	21.00	PASS
Band38	20MHz	QPSK	37850	50RB#0	20.54	PASS
Band38	20MHz	QPSK	37850	50RB#25	20.55	PASS
Band38	20MHz	QPSK	37850	50RB#50	20.42	PASS
Band38	20MHz	QPSK	37850	100RB#0	20.46	PASS
Band38	20MHz	QPSK	38000	1RB#0	21.41	PASS
Band38	20MHz	QPSK	38000	1RB#49	21.17	PASS

Band38	20MHz	QPSK	38000	1RB#99	21.07	PASS
Band38	20MHz	QPSK	38000	50RB#0	20.32	PASS
Band38	20MHz	QPSK	38000	50RB#25	20.34	PASS
Band38	20MHz	QPSK	38000	50RB#50	20.15	PASS
Band38	20MHz	QPSK	38000	100RB#0	20.25	PASS
Band38	20MHz	QPSK	38150	1RB#0	21.12	PASS
Band38	20MHz	QPSK	38150	1RB#49	21.01	PASS
Band38	20MHz	QPSK	38150	1RB#99	20.90	PASS
Band38	20MHz	QPSK	38150	50RB#0	20.07	PASS
Band38	20MHz	QPSK	38150	50RB#25	20.12	PASS
Band38	20MHz	QPSK	38150	50RB#50	20.02	PASS
Band38	20MHz	QPSK	38150	100RB#0	20.05	PASS
Band38	20MHz	16QAM	37850	1RB#0	20.87	PASS
Band38	20MHz	16QAM	37850	1RB#49	20.94	PASS
Band38	20MHz	16QAM	37850	1RB#99	20.80	PASS
Band38	20MHz	16QAM	37850	50RB#0	20.01	PASS
Band38	20MHz	16QAM	37850	50RB#25	20.05	PASS
Band38	20MHz	16QAM	37850	50RB#50	19.92	PASS
Band38	20MHz	16QAM	37850	100RB#0	19.84	PASS
Band38	20MHz	16QAM	38000	1RB#0	20.97	PASS
Band38	20MHz	16QAM	38000	1RB#49	20.59	PASS
Band38	20MHz	16QAM	38000	1RB#99	20.50	PASS
Band38	20MHz	16QAM	38000	50RB#0	19.69	PASS
Band38	20MHz	16QAM	38000	50RB#25	19.69	PASS
Band38	20MHz	16QAM	38000	50RB#50	19.44	PASS
Band38	20MHz	16QAM	38000	100RB#0	19.71	PASS
Band38	20MHz	16QAM	38150	1RB#0	20.39	PASS
Band38	20MHz	16QAM	38150	1RB#49	20.10	PASS
Band38	20MHz	16QAM	38150	1RB#99	20.19	PASS
Band38	20MHz	16QAM	38150	50RB#0	19.38	PASS
Band38	20MHz	16QAM	38150	50RB#25	19.35	PASS
Band38	20MHz	16QAM	38150	50RB#50	19.27	PASS
Band38	20MHz	16QAM	38150	100RB#0	19.36	PASS

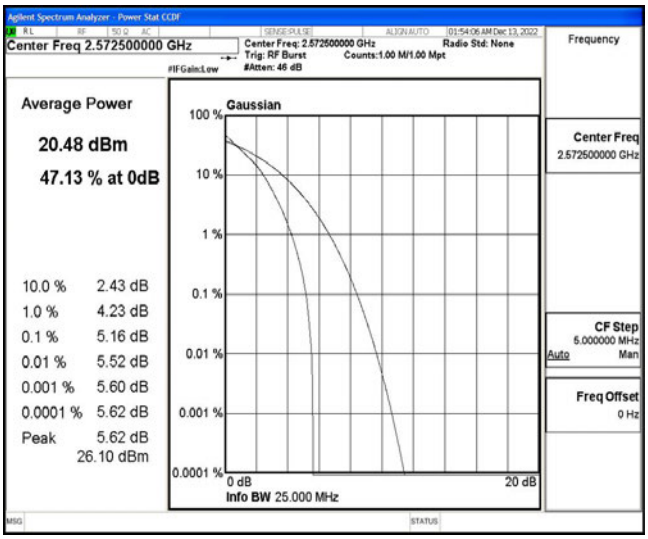
H.2 Peak-to-Average Ratio(CCDF)

Test Result

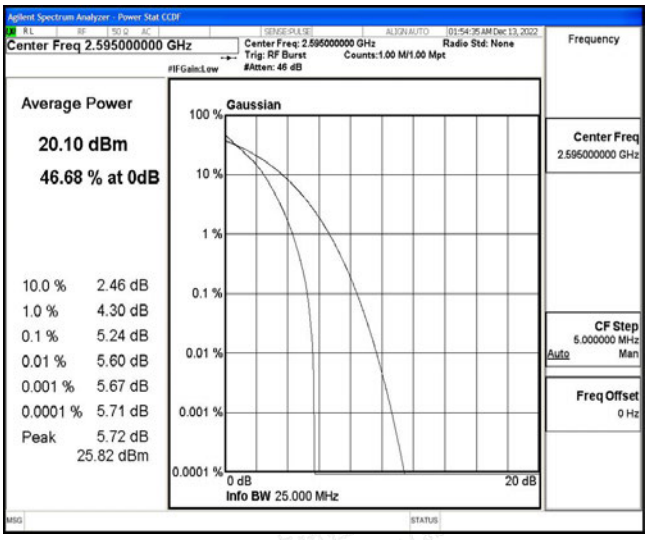
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	5.16	13	PASS
Band38	5MHz	QPSK	38000	25RB#0	5.24	13	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.98	13	PASS
Band38	5MHz	16QAM	37775	25RB#0	5.81	13	PASS
Band38	5MHz	16QAM	38000	25RB#0	5.90	13	PASS
Band38	5MHz	16QAM	38225	25RB#0	5.61	13	PASS
Band38	10MHz	QPSK	37800	50RB#0	5.33	13	PASS
Band38	10MHz	QPSK	38000	50RB#0	5.36	13	PASS
Band38	10MHz	QPSK	38200	50RB#0	5.16	13	PASS
Band38	10MHz	16QAM	37800	50RB#0	6.00	13	PASS
Band38	10MHz	16QAM	38000	50RB#0	6.04	13	PASS
Band38	10MHz	16QAM	38200	50RB#0	5.75	13	PASS
Band38	15MHz	QPSK	37825	75RB#0	5.64	13	PASS
Band38	15MHz	QPSK	38000	75RB#0	5.64	13	PASS
Band38	15MHz	QPSK	38175	75RB#0	5.55	13	PASS
Band38	15MHz	16QAM	37825	75RB#0	6.13	13	PASS
Band38	15MHz	16QAM	38000	75RB#0	6.19	13	PASS
Band38	15MHz	16QAM	38175	75RB#0	6.02	13	PASS
Band38	20MHz	QPSK	37850	100RB#0	5.40	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	5.37	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	5.35	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	6.11	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	6.10	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	6.05	13	PASS

Test Graphs

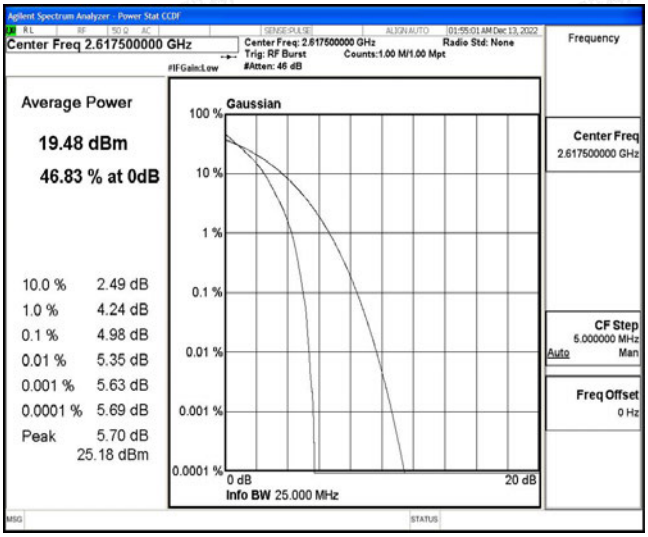
Band38-5MHz-QPSK-37775-25RB#0



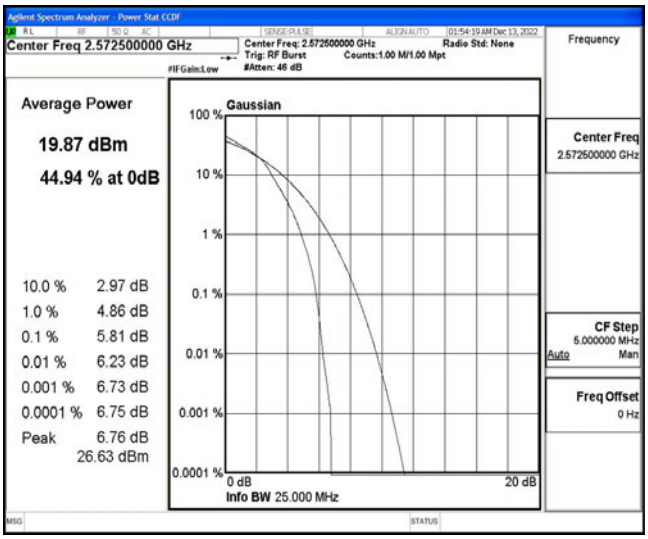
Band38-5MHz-QPSK-38000-25RB#0



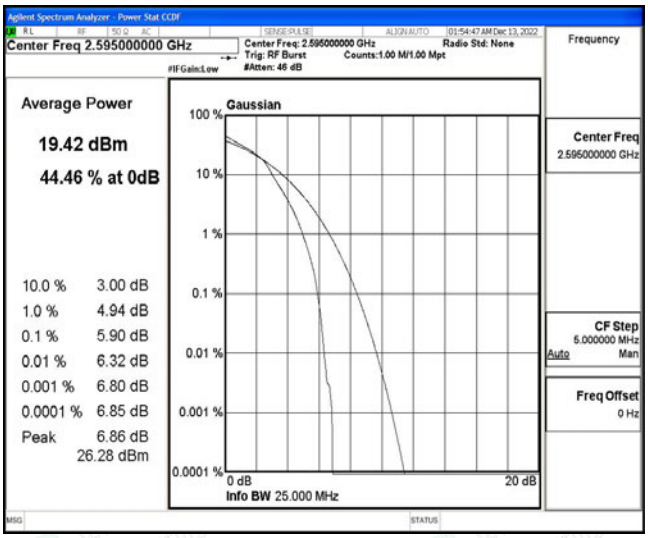
Band38-5MHz-QPSK-38225-25RB#0



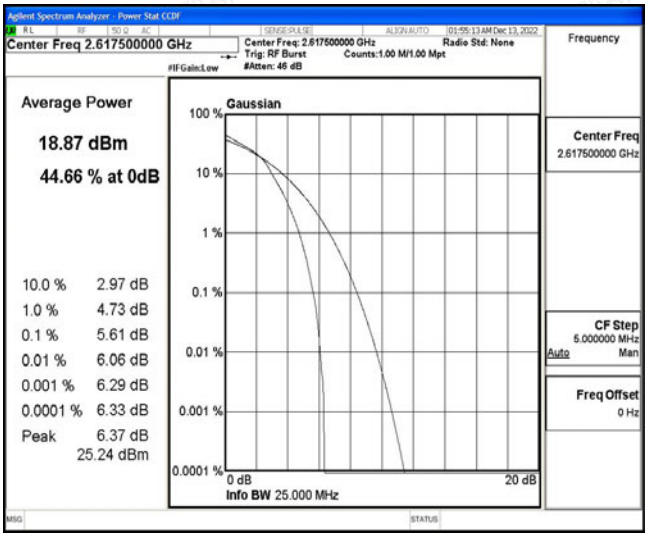
Band38-5MHz-16QAM-37775-25RB#0



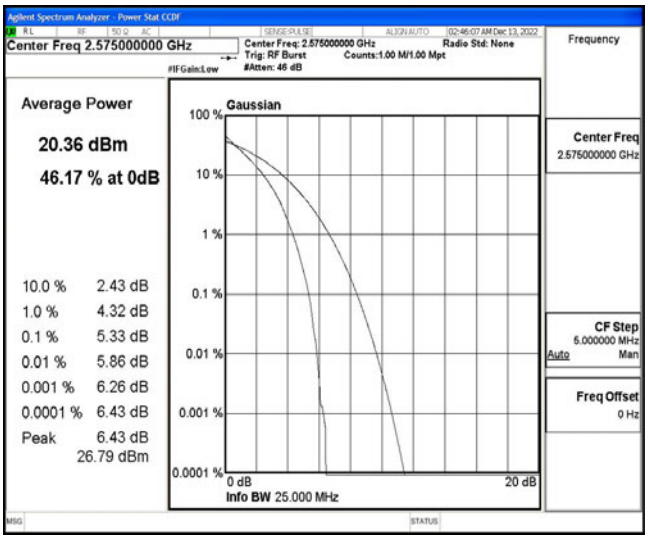
Band38-5MHz-16QAM-38000-25RB#0



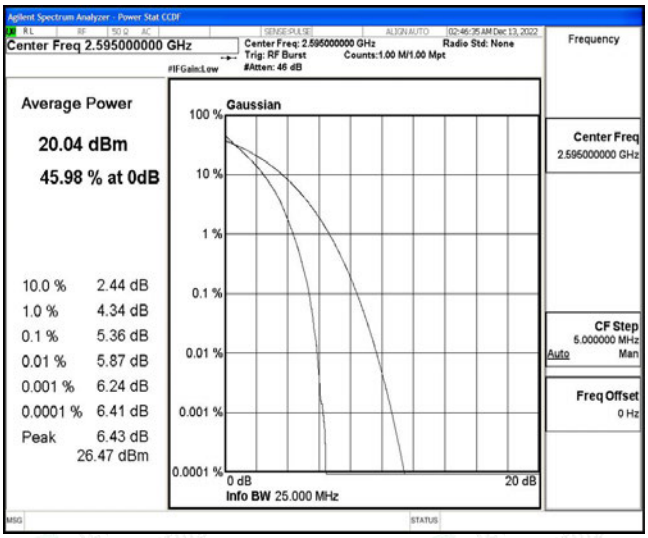
Band38-5MHz-16QAM-38225-25RB#0



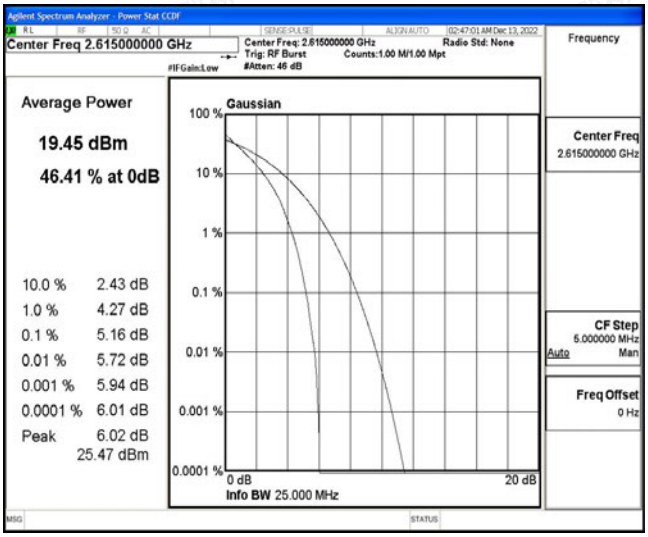
Band38-10MHz-QPSK-37800-50RB#0



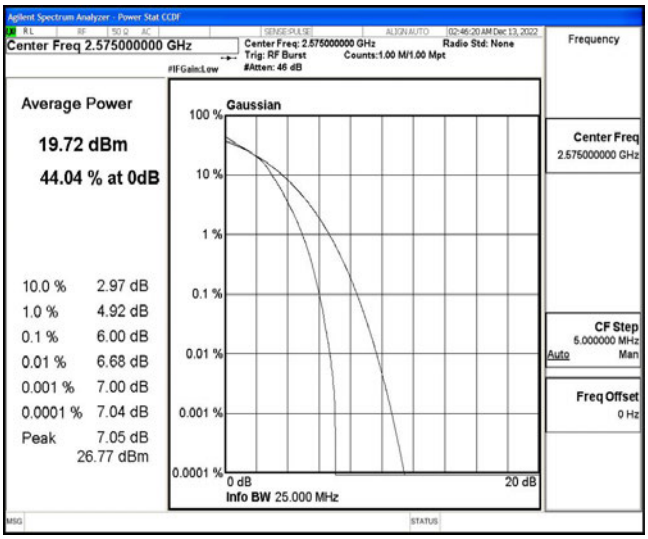
Band38-10MHz-QPSK-38000-50RB#0



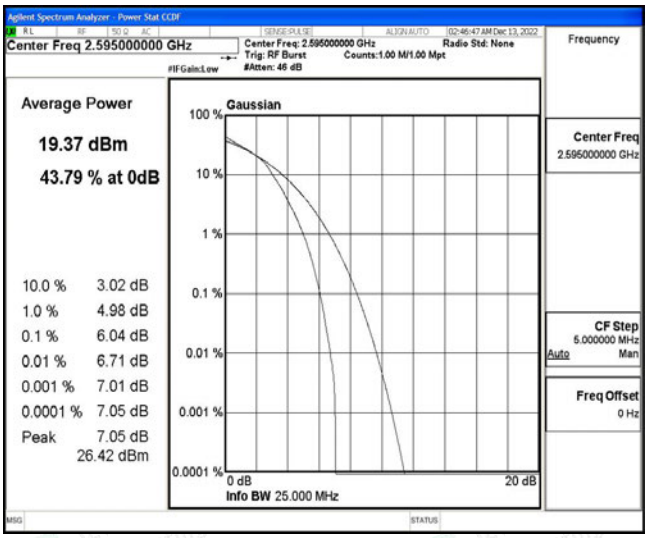
Band38-10MHz-QPSK-38200-50RB#0



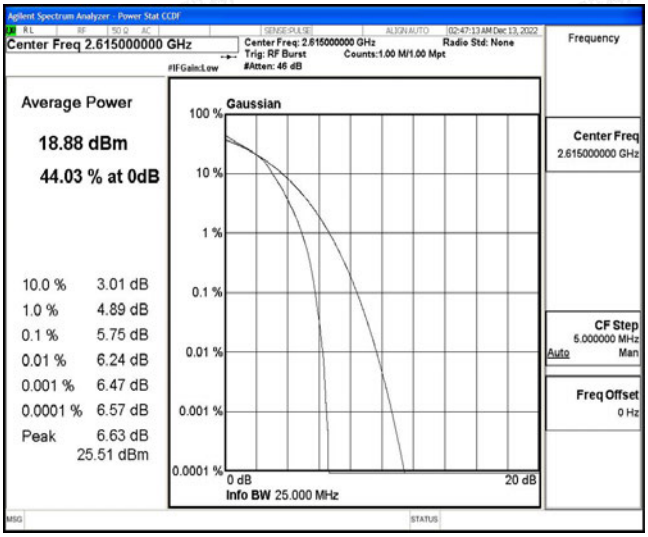
Band38-10MHz-16QAM-37800-50RB#0



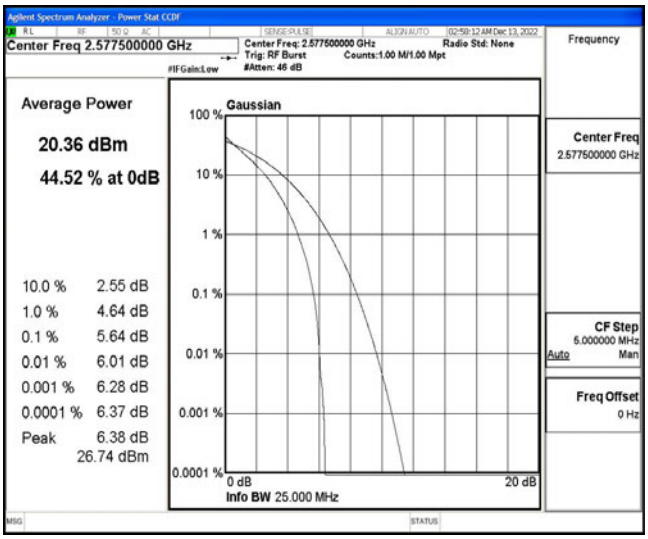
Band38-10MHz-16QAM-38000-50RB#0



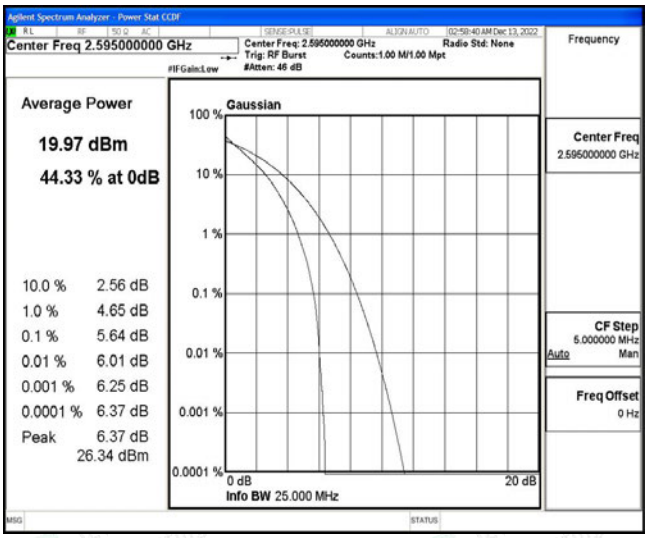
Band38-10MHz-16QAM-38200-50RB#0



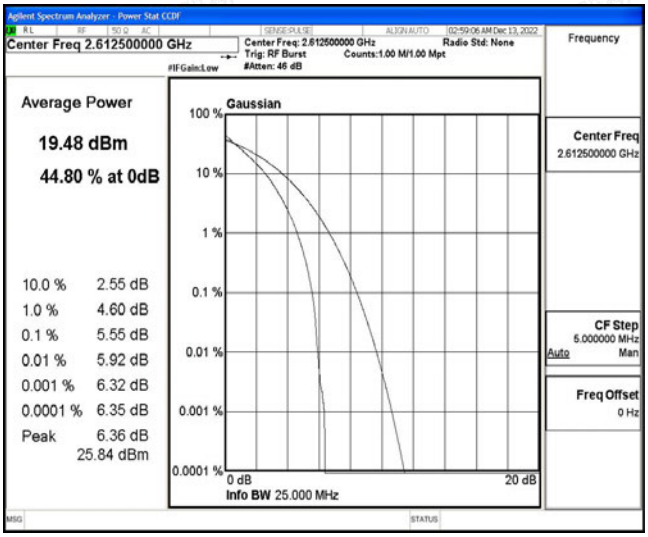
Band38-15MHz-QPSK-37825-75RB#0



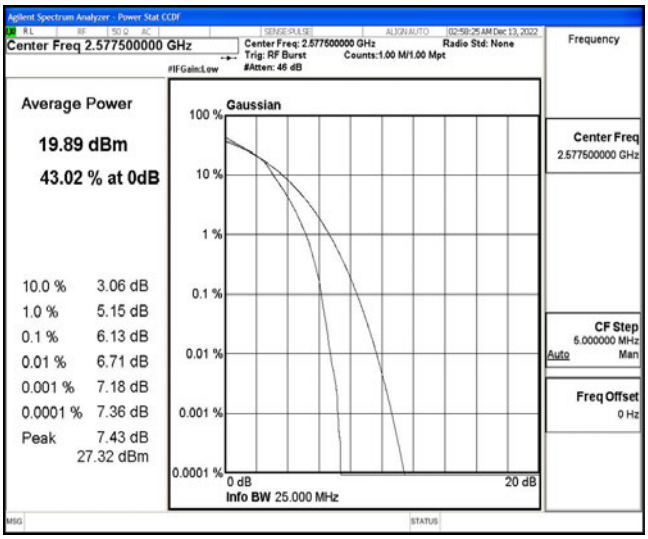
Band38-15MHz-QPSK-38000-75RB#0



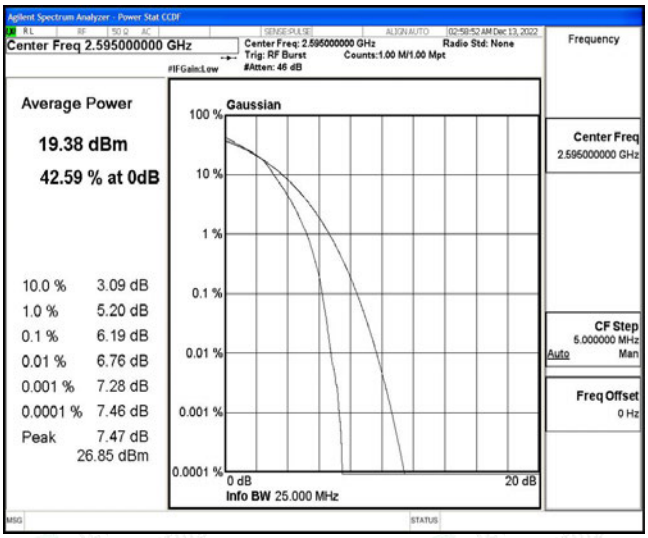
Band38-15MHz-QPSK-38175-75RB#0



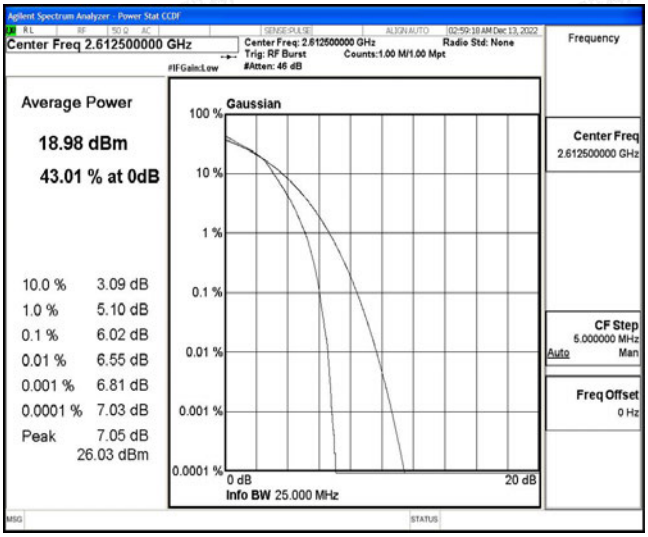
Band38-15MHz-16QAM-37825-75RB#0



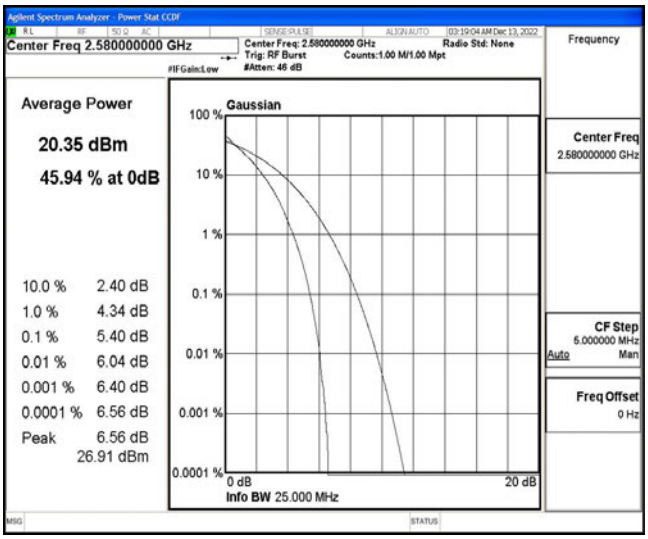
Band38-15MHz-16QAM-38000-75RB#0



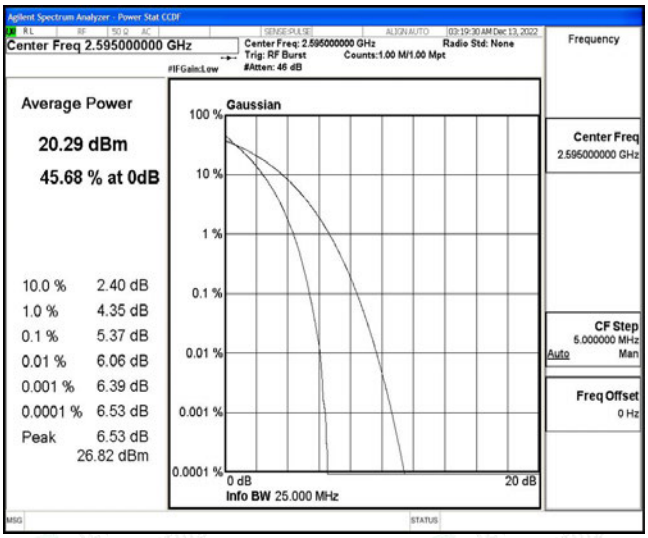
Band38-15MHz-16QAM-38175-75RB#0



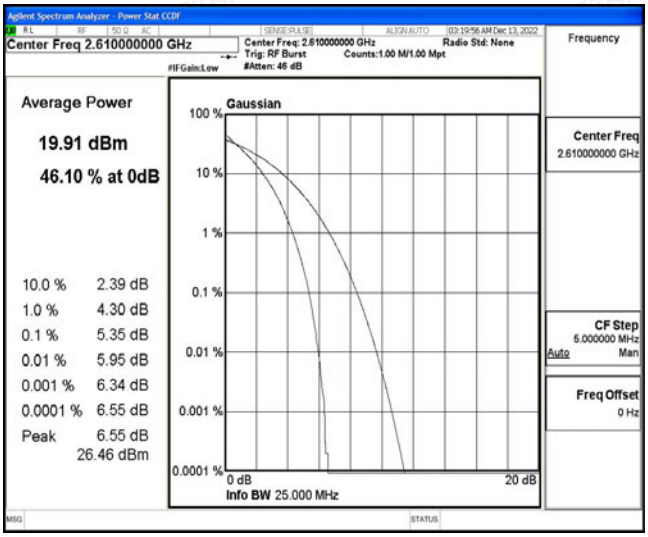
Band38-20MHz-QPSK-37850-100RB#0



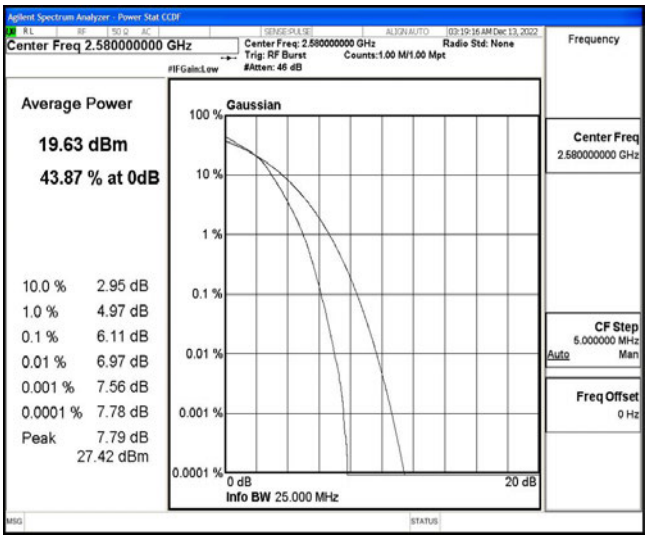
Band38-20MHz-QPSK-38000-100RB#0



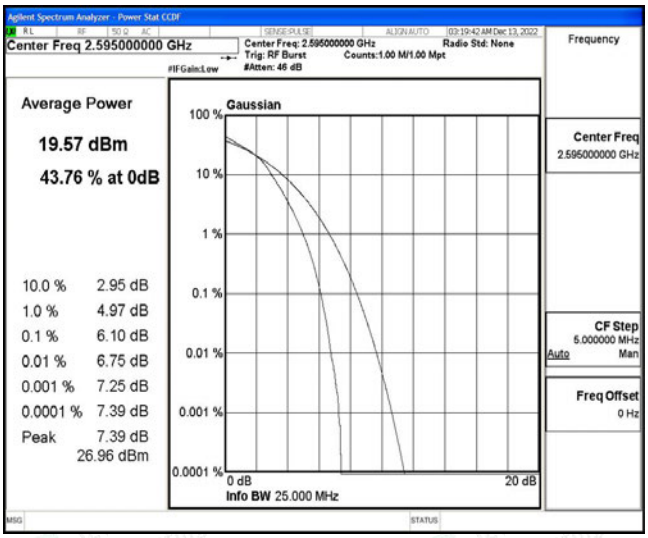
Band38-20MHz-QPSK-38150-100RB#0



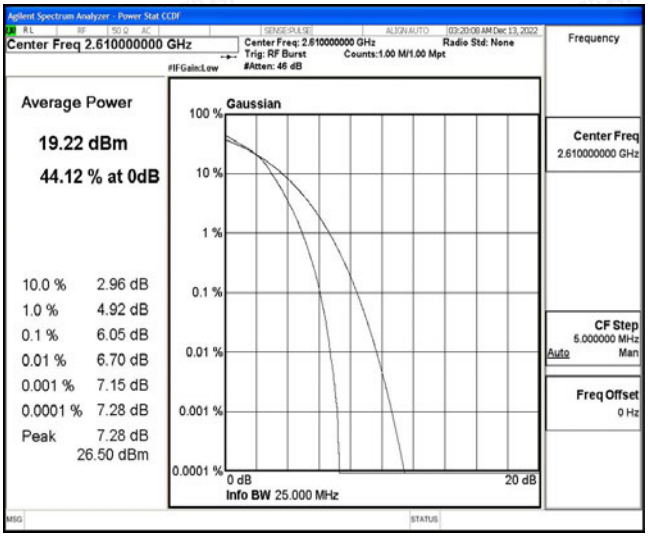
Band38-20MHz-16QAM-37850-100RB#0



Band38-20MHz-16QAM-38000-100RB#0



Band38-20MHz-16QAM-38150-100RB#0


Agilent Spectrum Analyzer - Power Stat CCDF
Center Freq 2.610000000 GHz
Center Freq: 2.610000000 GHz
Trig: RF Burst
#Atten: 46 dB
Counts:1.00 M/1.00 Mpt
Radio Std: None
Frequency
Average Power
19.22 dBm
44.12 % at 0dB
10.0 % 2.96 dB
1.0 % 4.92 dB
0.1 % 6.05 dB
0.01 % 6.70 dB
0.001 % 7.15 dB
0.0001 % 7.28 dB
Peak 7.28 dB
26.50 dBm
Gaussian
100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %
0 dB
20 dB
Info BW 25.000 MHz
Center Freq
2.610000000 GHz
CF Step
5.000000 MHz
Auto Man
Freq Offset
0 Hz

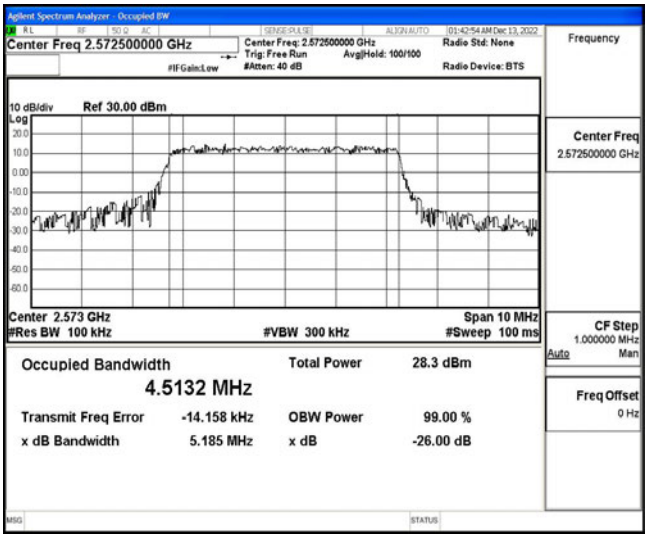
H.3 26dB Bandwidth and Occupied Bandwidth

Test Result

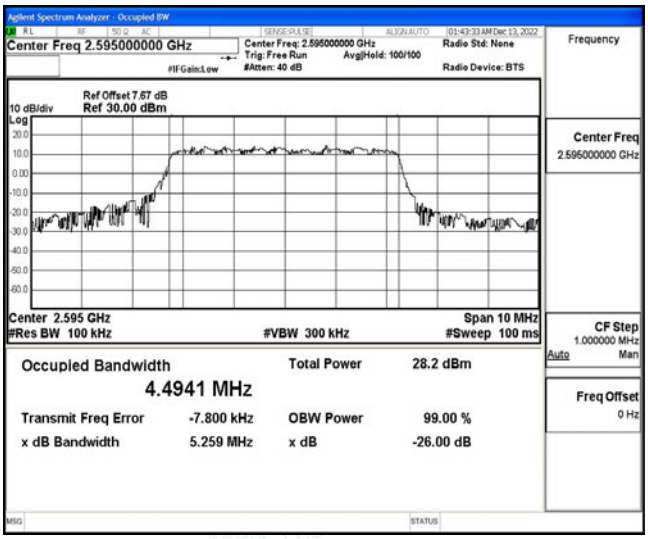
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	4.5132	5.185	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.4941	5.259	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.4987	5.158	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.5208	5.372	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.5108	5.431	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.5034	5.261	PASS
Band38	10MHz	QPSK	37800	50RB#0	9.0168	10.00	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.9781	10.14	PASS
Band38	10MHz	QPSK	38200	50RB#0	9.0105	10.09	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.9856	10.15	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.9925	10.12	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.9842	11.27	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.493	15.22	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.500	15.67	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.483	15.40	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.506	15.26	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.509	15.31	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.514	15.96	PASS
Band38	20MHz	QPSK	37850	100RB#0	18.027	19.57	PASS
Band38	20MHz	QPSK	38000	100RB#0	18.004	19.62	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.977	20.10	PASS
Band38	20MHz	16QAM	37850	100RB#0	18.030	19.73	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.991	20.76	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.942	20.53	PASS

Test Graphs

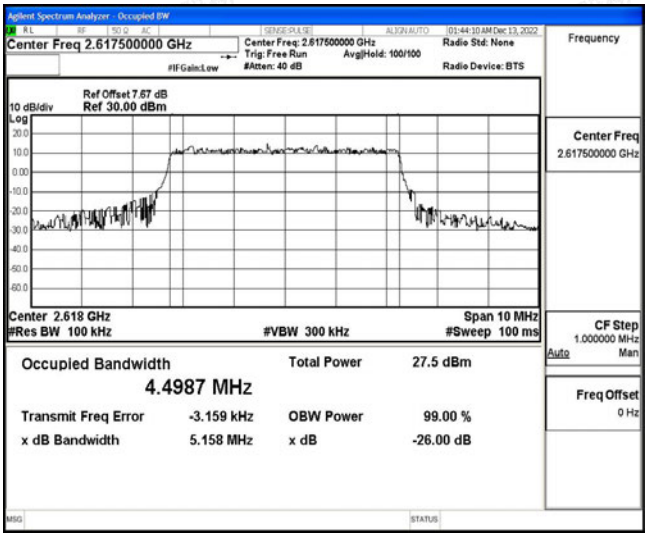
Band38-5MHz-QPSK-37775-25RB#0



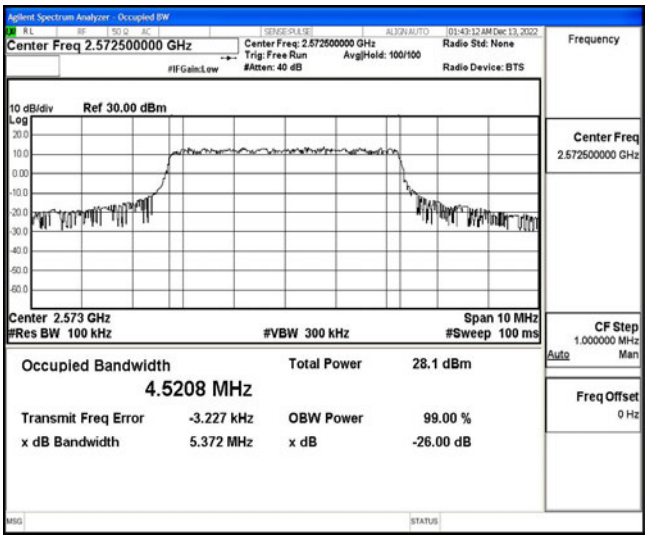
Band38-5MHz-QPSK-38000-25RB#0



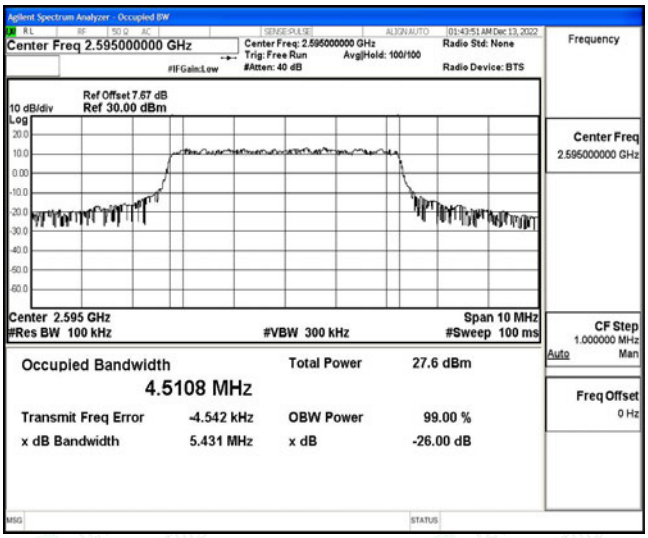
Band38-5MHz-QPSK-38225-25RB#0



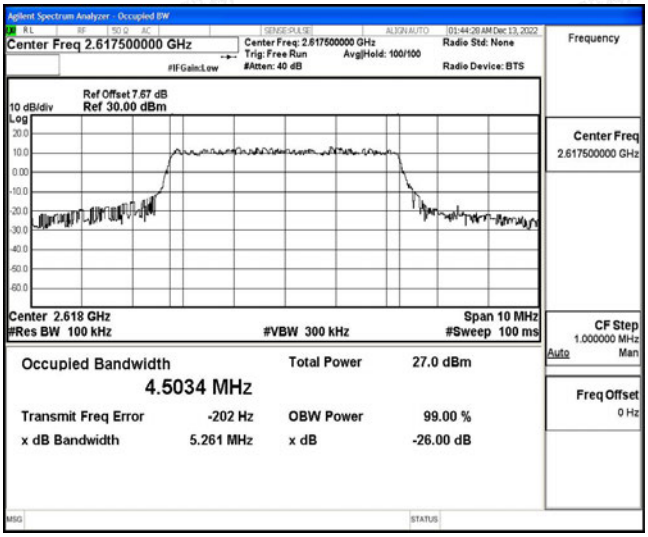
Band38-5MHz-16QAM-37775-25RB#0



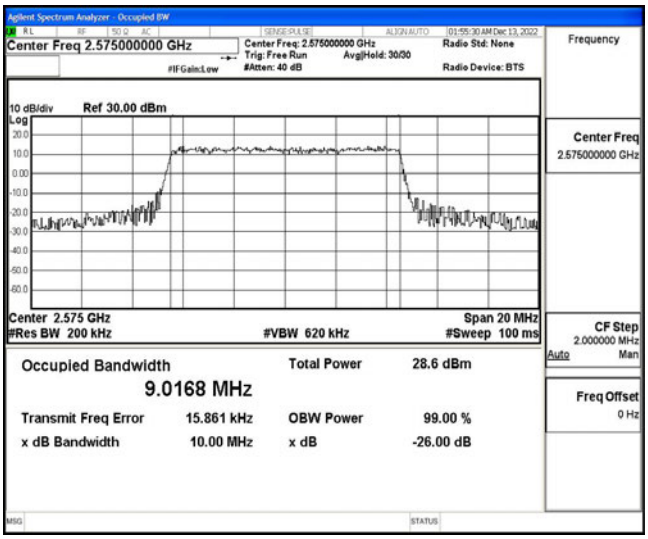
Band38-5MHz-16QAM-38000-25RB#0



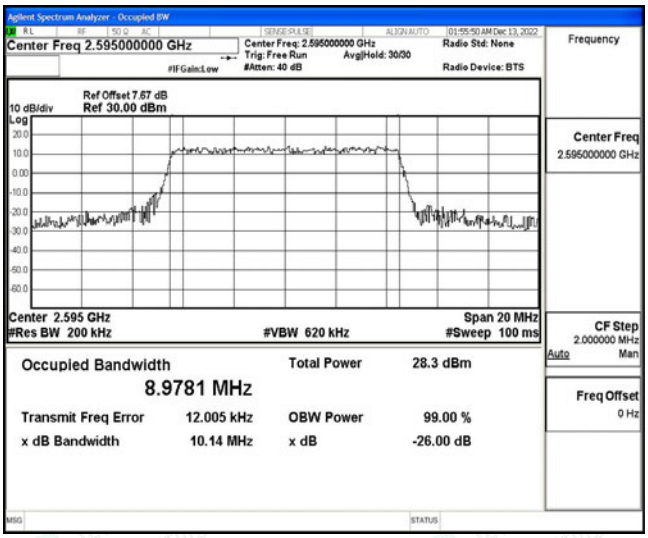
Band38-5MHz-16QAM-38225-25RB#0



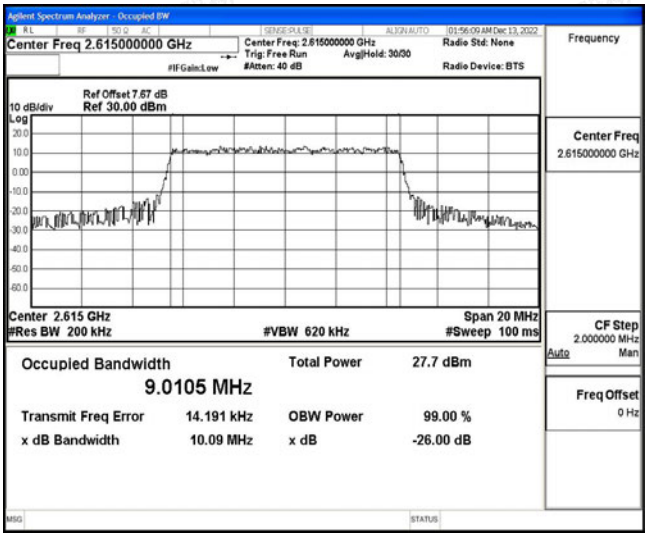
Band38-10MHz-QPSK-37800-50RB#0



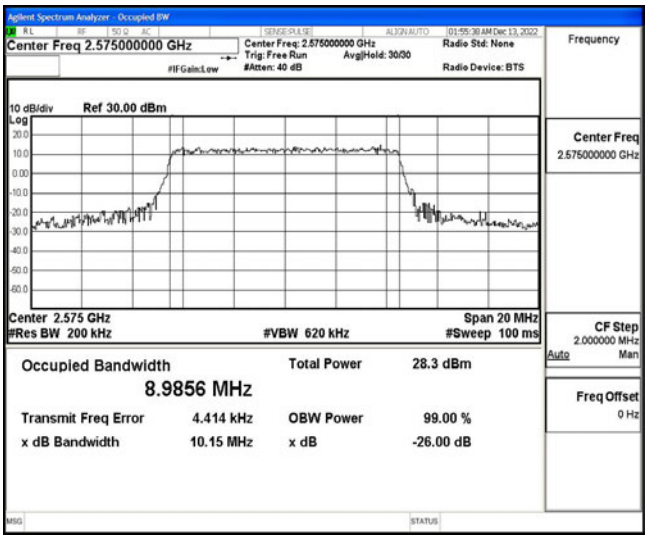
Band38-10MHz-QPSK-38000-50RB#0



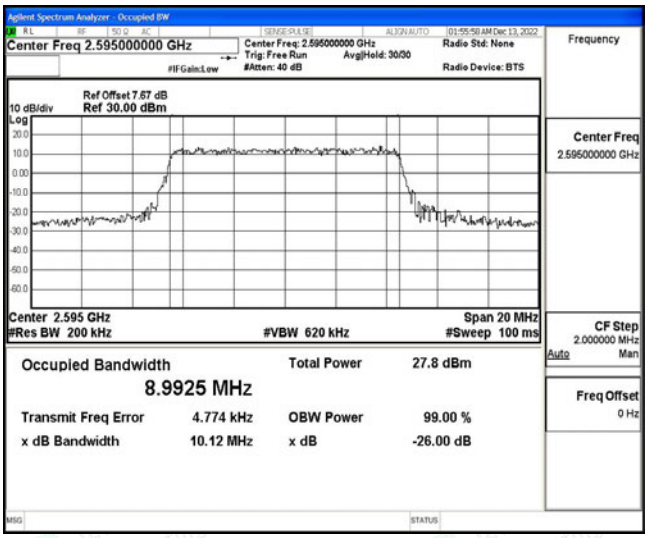
Band38-10MHz-QPSK-38200-50RB#0



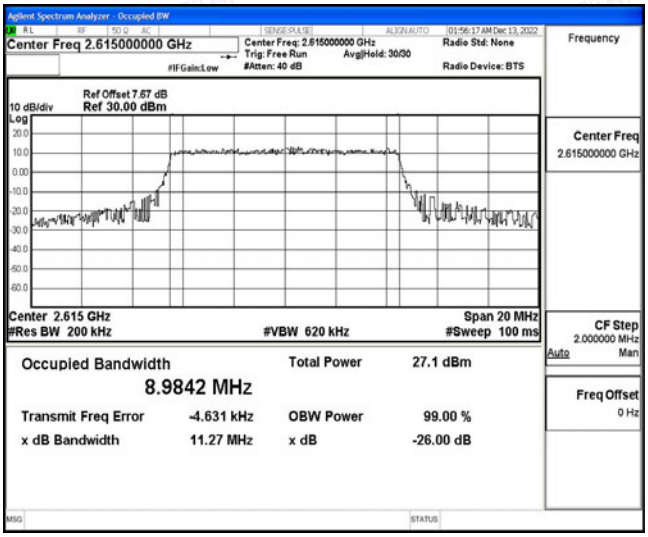
Band38-10MHz-16QAM-37800-50RB#0



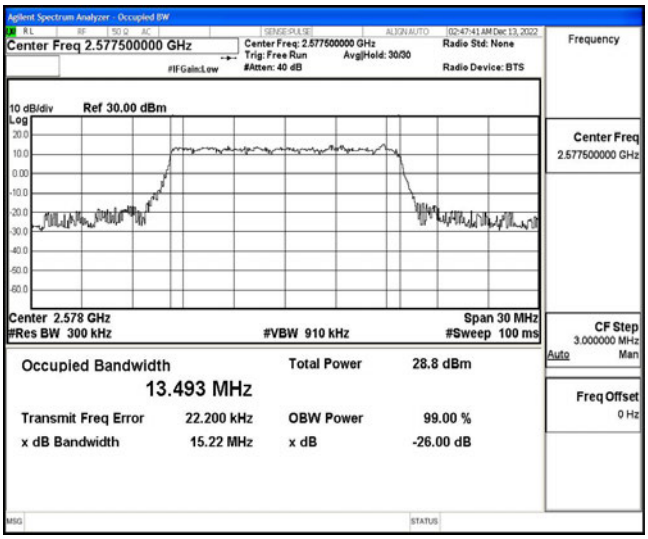
Band38-10MHz-16QAM-38000-50RB#0



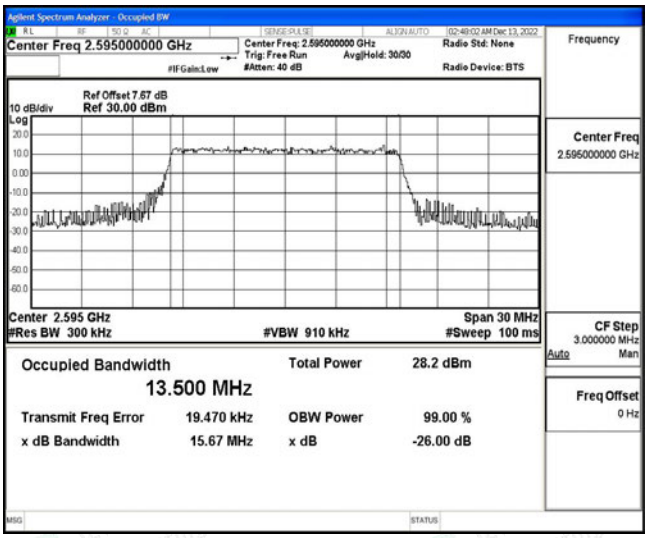
Band38-10MHz-16QAM-38200-50RB#0



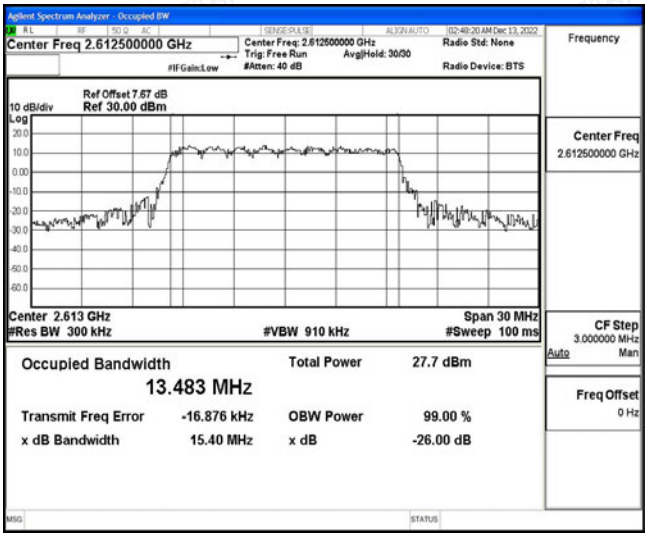
Band38-15MHz-QPSK-37825-75RB#0



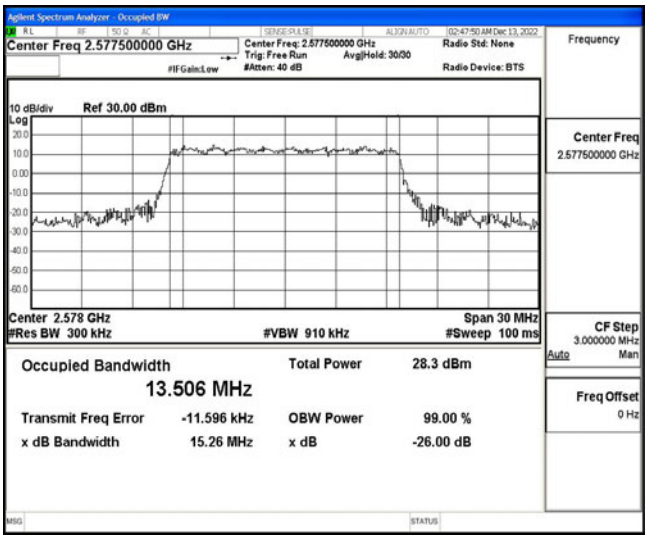
Band38-15MHz-QPSK-38000-75RB#0



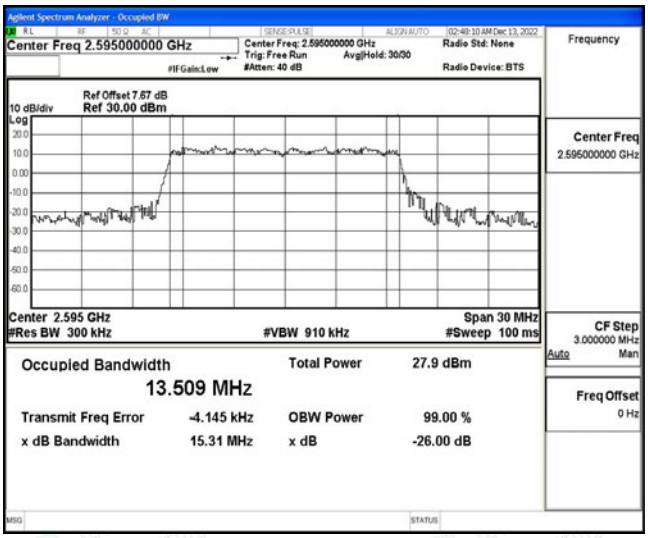
Band38-15MHz-QPSK-38175-75RB#0



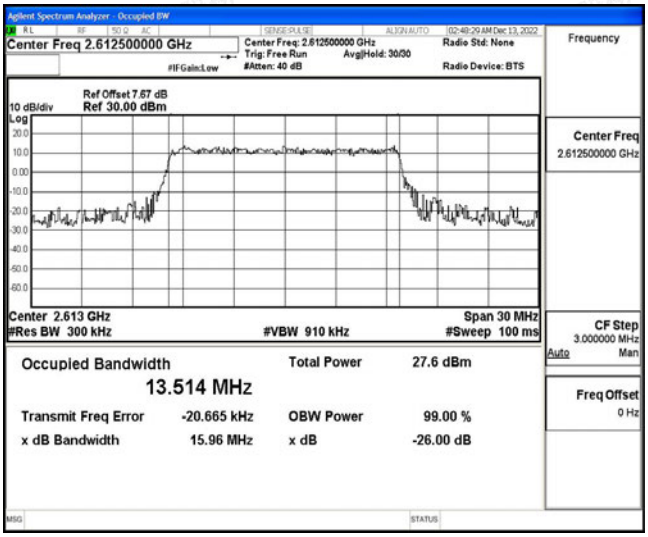
Band38-15MHz-16QAM-37825-75RB#0



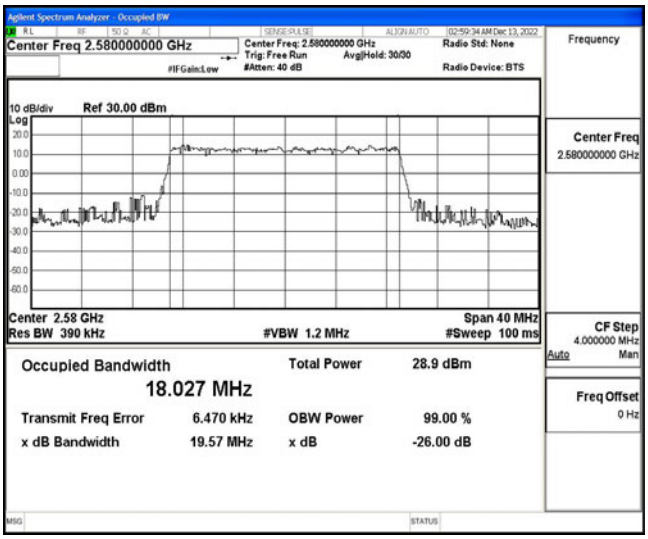
Band38-15MHz-16QAM-38000-75RB#0



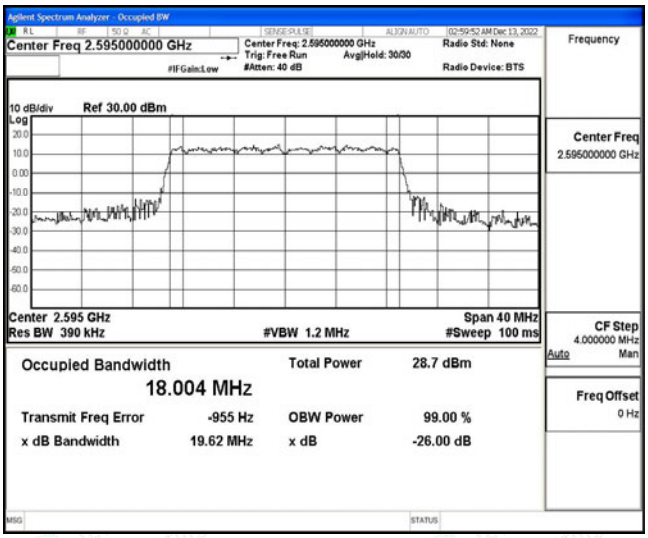
Band38-15MHz-16QAM-38175-75RB#0



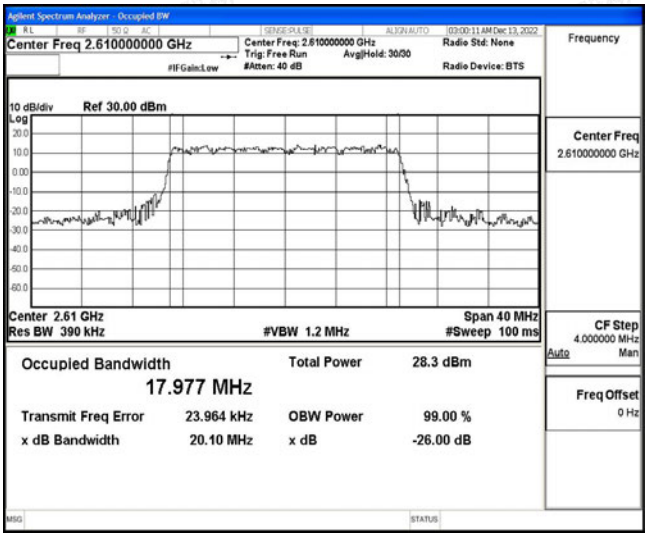
Band38-20MHz-QPSK-37850-100RB#0



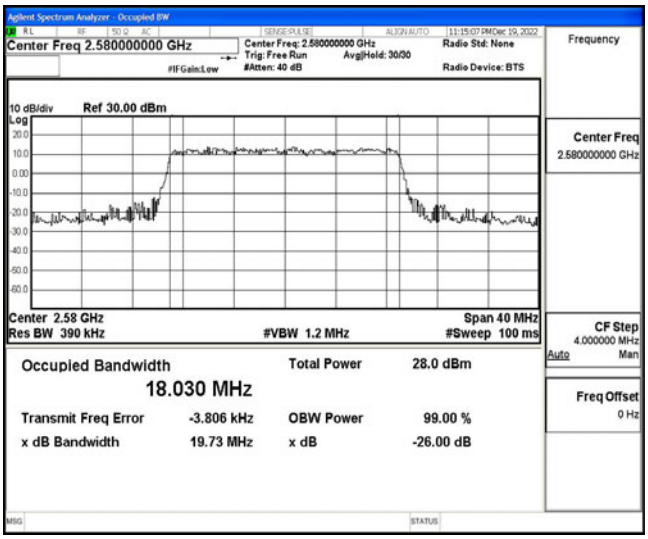
Band38-20MHz-QPSK-38000-100RB#0



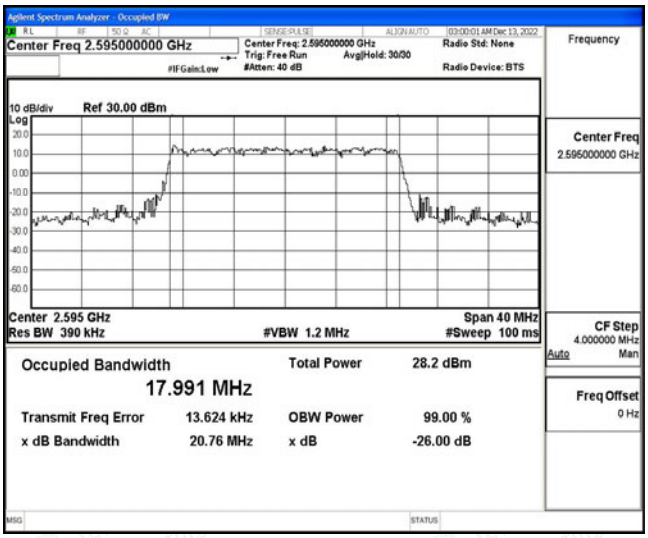
Band38-20MHz-QPSK-38150-100RB#0



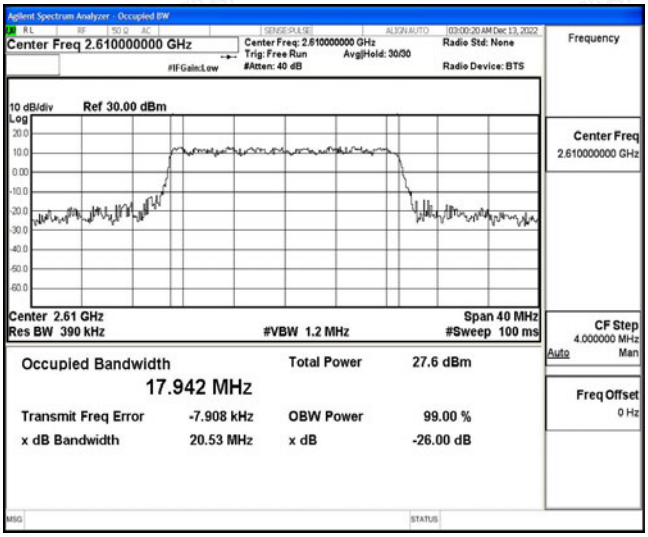
Band38-20MHz-16QAM-37850-100RB#0



Band38-20MHz-16QAM-38000-100RB#0



Band38-20MHz-16QAM-38150-100RB#0


Agilent Spectrum Analyzer - Occupied BW
Center Freq 2.610000000 GHz
Center Freq: 2.610000000 GHz
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
2.610000000 GHz
Center 2.61 GHz
Res BW 390 kHz
#VBW 1.2 MHz
Span 40 MHz
#Sweep 100 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
17.942 MHz
Total Power 27.6 dBm
Transmit Freq Error -7.908 kHz
OBW Power 99.00 %
x dB Bandwidth 20.53 MHz
x dB -26.00 dB
Freq Offset
0 Hz

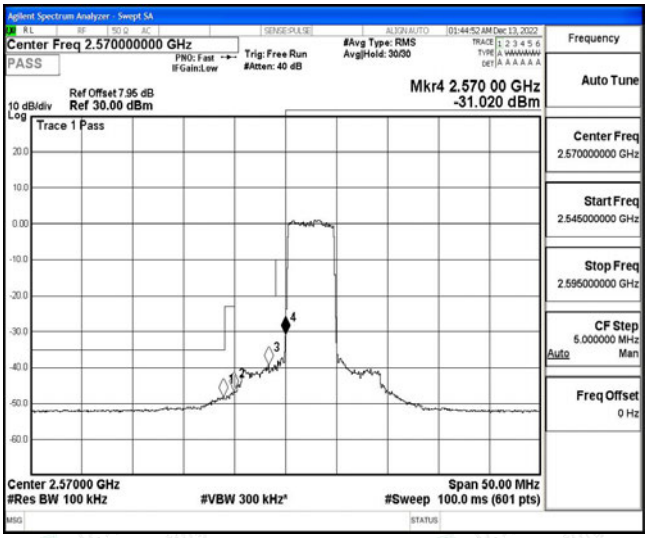
H.4 Band Edge

Test Result

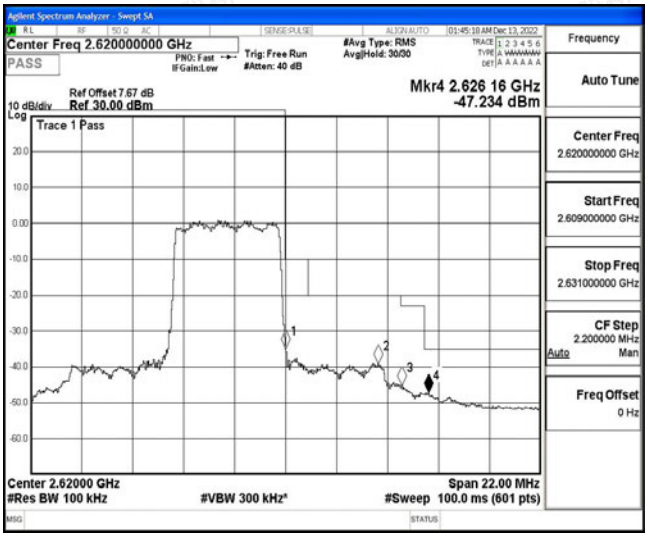
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	-48.26,-46.64,-39.30,-31.02	PASS
Band38	5MHz	QPSK	38225	25RB#0	-35.00,-39.09,-45.15,-47.23	PASS
Band38	5MHz	16QAM	37775	25RB#0	-47.49,-46.00,-37.82,-30.81	PASS
Band38	5MHz	16QAM	38225	25RB#0	-33.30,-37.82,-45.35,-47.61	PASS
Band38	10MHz	QPSK	37800	50RB#0	-44.76,-38.78,-37.92,-35.07	PASS
Band38	10MHz	QPSK	38200	50RB#0	-34.41,-37.48,-38.08,-43.78	PASS
Band38	10MHz	16QAM	37800	50RB#0	-44.48,-38.97,-37.38,-33.40	PASS
Band38	10MHz	16QAM	38200	50RB#0	-34.25,-37.25,-39.44,-45.02	PASS
Band38	15MHz	QPSK	37825	75RB#0	-42.90,-36.81,-36.30,-34.29	PASS
Band38	15MHz	QPSK	38175	75RB#0	-34.87,-36.92,-37.12,-43.15	PASS
Band38	15MHz	16QAM	37825	75RB#0	-43.13,-37.68,-35.35,-34.27	PASS
Band38	15MHz	16QAM	38175	75RB#0	-34.48,-36.19,-37.67,-43.30	PASS
Band38	20MHz	QPSK	37850	100RB#0	-42.98,-36.15,-34.65,-33.64	PASS
Band38	20MHz	QPSK	38150	100RB#0	-34.58,-36.92,-37.34,-43.17	PASS
Band38	20MHz	16QAM	37850	100RB#0	-43.70,-37.03,-36.19,-34.51	PASS
Band38	20MHz	16QAM	38150	100RB#0	-35.06,-35.50,-36.87,-43.28	PASS

Test Graphs

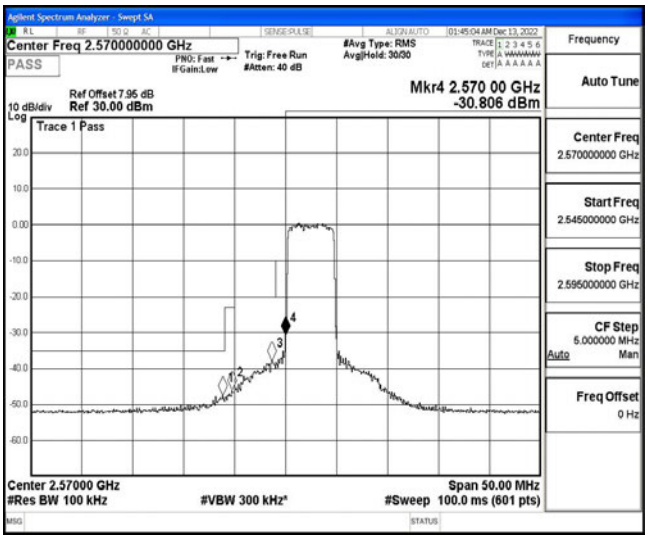
Band38-5MHz-QPSK-37775-25RB#0



Band38-5MHz-QPSK-38225-25RB#0

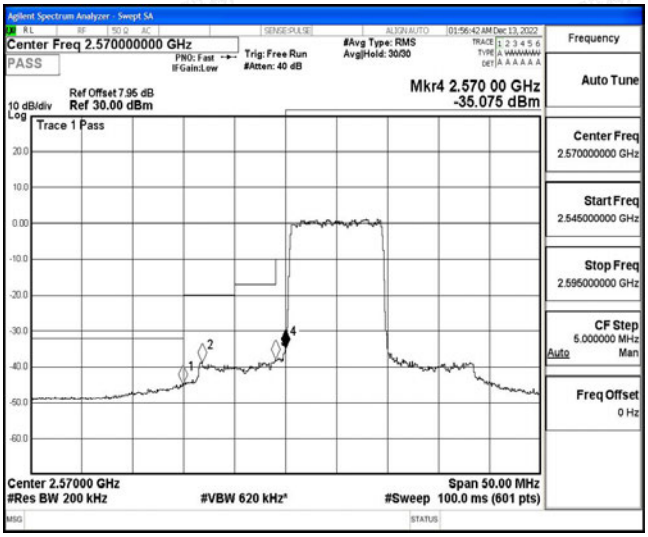


Band38-5MHz-16QAM-37775-25RB#0

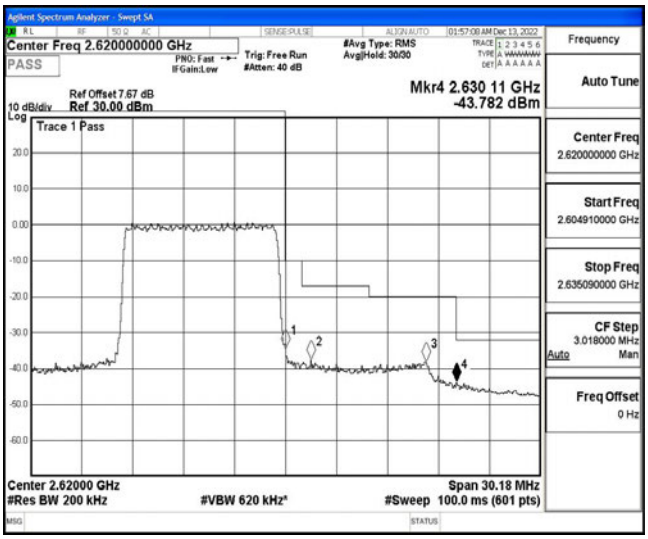


Band38-5MHz-16QAM-38225-25RB#0

Band38-10MHz-QPSK-37800-50RB#0

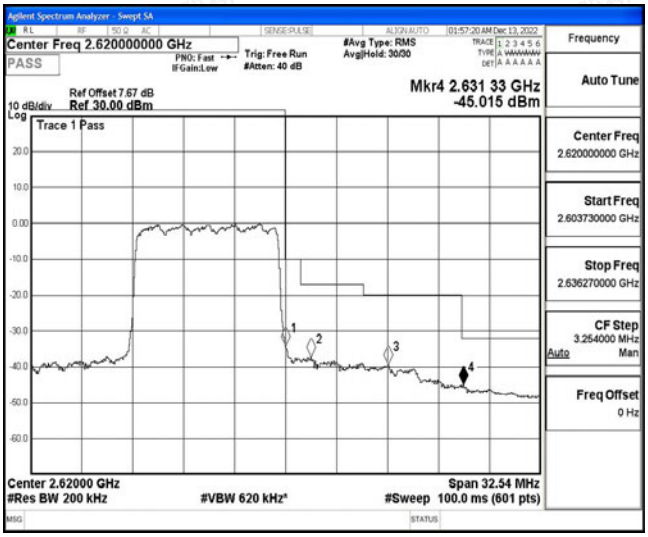


Band38-10MHz-QPSK-38200-50RB#0



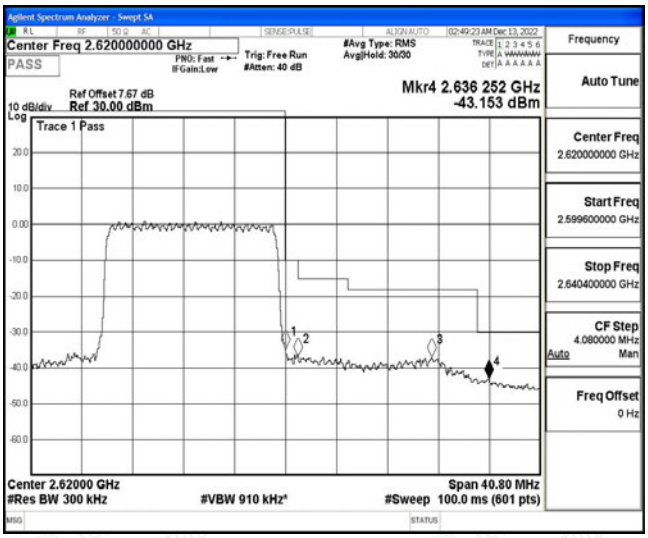
Band38-10MHz-16QAM-37800-50RB#0

Band38-10MHz-16QAM-38200-50RB#0

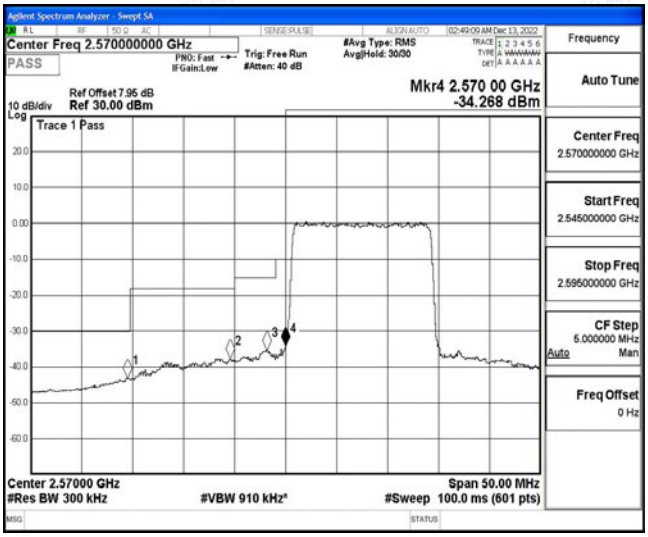


Band38-15MHz-QPSK-37825-75RB#0

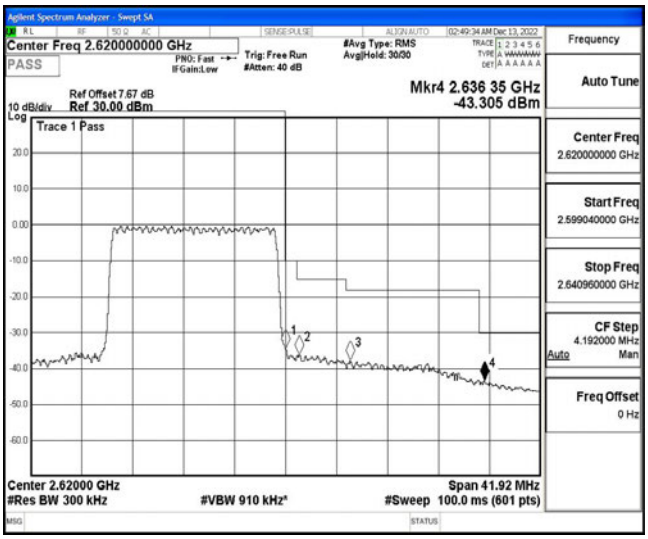
Band38-15MHz-QPSK-38175-75RB#0



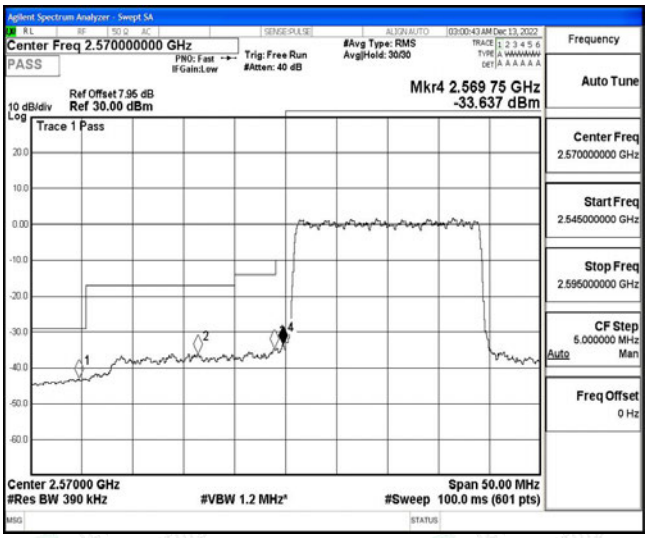
Band38-15MHz-16QAM-37825-75RB#0



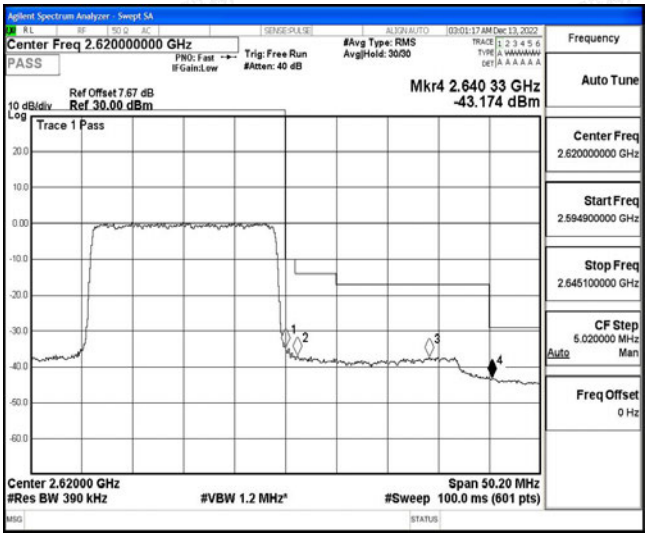
Band38-15MHz-16QAM-38175-75RB#0



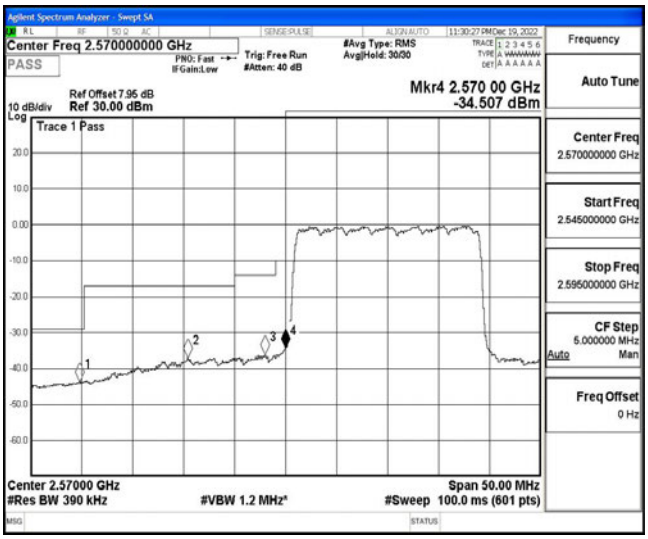
Band38-20MHz-QPSK-37850-100RB#0



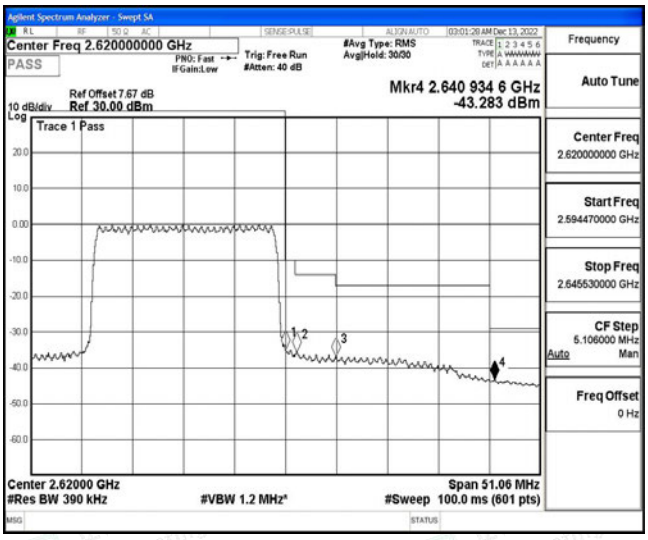
Band38-20MHz-QPSK-38150-100RB#0



Band38-20MHz-16QAM-37850-100RB#0



Band38-20MHz-16QAM-38150-100RB#0



H.5 Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	Range1:0.009~0.15MHz	-65.79	PASS
Band38	5MHz	QPSK	37775	1RB#0	Range2:0.15~30MHz	-52.24	PASS
Band38	5MHz	QPSK	37775	1RB#0	Range3:30~1000MHz	-42.49	PASS
Band38	5MHz	QPSK	37775	1RB#0	Range4:1000~10000MHz	-44.46	PASS
Band38	5MHz	QPSK	37775	1RB#0	Range5:10000~20000MHz	-49.21	PASS
Band38	5MHz	QPSK	37775	1RB#0	Range6:20000~26500MHz	-37.16	PASS
Band38	5MHz	QPSK	38000	1RB#0	Range1:0.009~0.15MHz	-65.11	PASS
Band38	5MHz	QPSK	38000	1RB#0	Range2:0.15~30MHz	-51.44	PASS
Band38	5MHz	QPSK	38000	1RB#0	Range3:30~1000MHz	-41.56	PASS
Band38	5MHz	QPSK	38000	1RB#0	Range4:1000~10000MHz	-44.55	PASS
Band38	5MHz	QPSK	38000	1RB#0	Range5:10000~20000MHz	-49.35	PASS
Band38	5MHz	QPSK	38000	1RB#0	Range6:20000~26500MHz	-37.21	PASS
Band38	5MHz	QPSK	38225	1RB#0	Range1:0.009~0.15MHz	-65.07	PASS
Band38	5MHz	QPSK	38225	1RB#0	Range2:0.15~30MHz	-50.48	PASS
Band38	5MHz	QPSK	38225	1RB#0	Range3:30~1000MHz	-41.87	PASS
Band38	5MHz	QPSK	38225	1RB#0	Range4:1000~10000MHz	-44.83	PASS
Band38	5MHz	QPSK	38225	1RB#0	Range5:10000~20000MHz	-48.99	PASS
Band38	5MHz	QPSK	38225	1RB#0	Range6:20000~26500MHz	-36.87	PASS
Band38	5MHz	16QAM	37775	1RB#0	Range1:0.009~0.15MHz	-64.39	PASS
Band38	5MHz	16QAM	37775	1RB#0	Range2:0.15~30MHz	-51.83	PASS
Band38	5MHz	16QAM	37775	1RB#0	Range3:30~1000MHz	-41.48	PASS
Band38	5MHz	16QAM	37775	1RB#0	Range4:1000~10000MHz	-44.58	PASS
Band38	5MHz	16QAM	37775	1RB#0	Range5:10000~20000MHz	-49.25	PASS
Band38	5MHz	16QAM	37775	1RB#0	Range6:20000~26500MHz	-37.19	PASS
Band38	5MHz	16QAM	38000	1RB#0	Range1:0.009~0.15MHz	-63.55	PASS
Band38	5MHz	16QAM	38000	1RB#0	Range2:0.15~30MHz	-50.43	PASS
Band38	5MHz	16QAM	38000	1RB#0	Range3:30~1000MHz	-41.43	PASS
Band38	5MHz	16QAM	38000	1RB#0	Range4:1000~10000MHz	-44.69	PASS
Band38	5MHz	16QAM	38000	1RB#0	Range5:10000~20000MHz	-49.31	PASS
Band38	5MHz	16QAM	38000	1RB#0	Range6:20000~26500MHz	-37.13	PASS
Band38	5MHz	16QAM	38225	1RB#0	Range1:0.009~0.15MHz	-65.33	PASS
Band38	5MHz	16QAM	38225	1RB#0	Range2:0.15~30MHz	-50.84	PASS
Band38	5MHz	16QAM	38225	1RB#0	Range3:30~1000MHz	-41.1	PASS

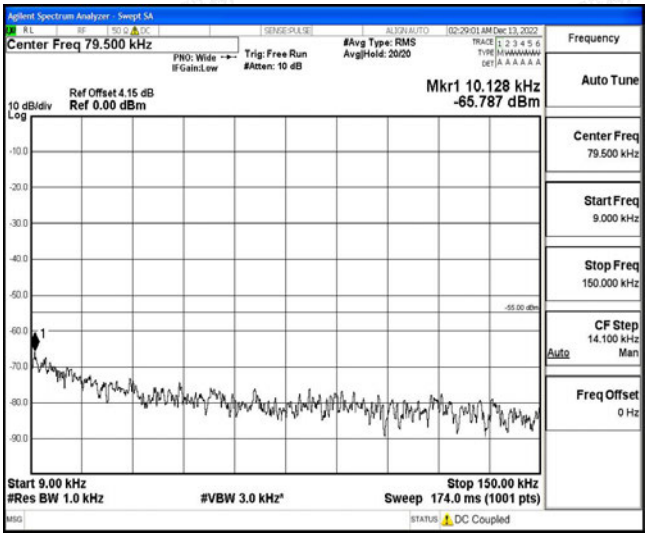
Band38	5MHz	16QAM	38225	1RB#0	Range4:1000~10000MHz	-44.57	PASS
Band38	5MHz	16QAM	38225	1RB#0	Range5:10000~20000MHz	-49.23	PASS
Band38	5MHz	16QAM	38225	1RB#0	Range6:20000~26500MHz	-37.01	PASS
Band38	10MHz	QPSK	37800	1RB#0	Range1:0.009~0.15MHz	-63.42	PASS
Band38	10MHz	QPSK	37800	1RB#0	Range2:0.15~30MHz	-50.71	PASS
Band38	10MHz	QPSK	37800	1RB#0	Range3:30~1000MHz	-41.02	PASS
Band38	10MHz	QPSK	37800	1RB#0	Range4:1000~10000MHz	-44.58	PASS
Band38	10MHz	QPSK	37800	1RB#0	Range5:10000~20000MHz	-49.33	PASS
Band38	10MHz	QPSK	37800	1RB#0	Range6:20000~26500MHz	-37.3	PASS
Band38	10MHz	QPSK	38000	1RB#0	Range1:0.009~0.15MHz	-64.65	PASS
Band38	10MHz	QPSK	38000	1RB#0	Range2:0.15~30MHz	-51.27	PASS
Band38	10MHz	QPSK	38000	1RB#0	Range3:30~1000MHz	-41.71	PASS
Band38	10MHz	QPSK	38000	1RB#0	Range4:1000~10000MHz	-44.32	PASS
Band38	10MHz	QPSK	38000	1RB#0	Range5:10000~20000MHz	-49.35	PASS
Band38	10MHz	QPSK	38000	1RB#0	Range6:20000~26500MHz	-37.18	PASS
Band38	10MHz	QPSK	38200	1RB#0	Range1:0.009~0.15MHz	-66.53	PASS
Band38	10MHz	QPSK	38200	1RB#0	Range2:0.15~30MHz	-52.87	PASS
Band38	10MHz	QPSK	38200	1RB#0	Range3:30~1000MHz	-42.67	PASS
Band38	10MHz	QPSK	38200	1RB#0	Range4:1000~10000MHz	-44.89	PASS
Band38	10MHz	QPSK	38200	1RB#0	Range5:10000~20000MHz	-49.03	PASS
Band38	10MHz	QPSK	38200	1RB#0	Range6:20000~26500MHz	-36.83	PASS
Band38	10MHz	16QAM	37800	1RB#0	Range1:0.009~0.15MHz	-66	PASS
Band38	10MHz	16QAM	37800	1RB#0	Range2:0.15~30MHz	-50.56	PASS
Band38	10MHz	16QAM	37800	1RB#0	Range3:30~1000MHz	-42.09	PASS
Band38	10MHz	16QAM	37800	1RB#0	Range4:1000~10000MHz	-44.58	PASS
Band38	10MHz	16QAM	37800	1RB#0	Range5:10000~20000MHz	-49.32	PASS
Band38	10MHz	16QAM	37800	1RB#0	Range6:20000~26500MHz	-37.25	PASS
Band38	10MHz	16QAM	38000	1RB#0	Range1:0.009~0.15MHz	-64.2	PASS
Band38	10MHz	16QAM	38000	1RB#0	Range2:0.15~30MHz	-50.57	PASS
Band38	10MHz	16QAM	38000	1RB#0	Range3:30~1000MHz	-42.69	PASS
Band38	10MHz	16QAM	38000	1RB#0	Range4:1000~10000MHz	-44.66	PASS
Band38	10MHz	16QAM	38000	1RB#0	Range5:10000~20000MHz	-49.14	PASS
Band38	10MHz	16QAM	38000	1RB#0	Range6:20000~26500MHz	-37.19	PASS
Band38	10MHz	16QAM	38200	1RB#0	Range1:0.009~0.15MHz	-66.21	PASS
Band38	10MHz	16QAM	38200	1RB#0	Range2:0.15~30MHz	-51.54	PASS
Band38	10MHz	16QAM	38200	1RB#0	Range3:30~1000MHz	-42.07	PASS
Band38	10MHz	16QAM	38200	1RB#0	Range4:1000~10000MHz	-44.56	PASS
Band38	10MHz	16QAM	38200	1RB#0	Range5:10000~20000MHz	-49.18	PASS
Band38	10MHz	16QAM	38200	1RB#0	Range6:20000~26500MHz	-37.34	PASS
Band38	15MHz	QPSK	37825	1RB#0	Range1:0.009~0.15MHz	-65.27	PASS

Band38	15MHz	QPSK	37825	1RB#0	Range2:0.15~30MHz	-51.06	PASS
Band38	15MHz	QPSK	37825	1RB#0	Range3:30~1000MHz	-42.79	PASS
Band38	15MHz	QPSK	37825	1RB#0	Range4:1000~10000MHz	-44.62	PASS
Band38	15MHz	QPSK	37825	1RB#0	Range5:10000~20000MHz	-49.05	PASS
Band38	15MHz	QPSK	37825	1RB#0	Range6:20000~26500MHz	-37.14	PASS
Band38	15MHz	QPSK	38000	1RB#0	Range1:0.009~0.15MHz	-65.53	PASS
Band38	15MHz	QPSK	38000	1RB#0	Range2:0.15~30MHz	-51.43	PASS
Band38	15MHz	QPSK	38000	1RB#0	Range3:30~1000MHz	-41.19	PASS
Band38	15MHz	QPSK	38000	1RB#0	Range4:1000~10000MHz	-44.66	PASS
Band38	15MHz	QPSK	38000	1RB#0	Range5:10000~20000MHz	-49.37	PASS
Band38	15MHz	QPSK	38000	1RB#0	Range6:20000~26500MHz	-37.24	PASS
Band38	15MHz	QPSK	38175	1RB#0	Range1:0.009~0.15MHz	-65.64	PASS
Band38	15MHz	QPSK	38175	1RB#0	Range2:0.15~30MHz	-52.96	PASS
Band38	15MHz	QPSK	38175	1RB#0	Range3:30~1000MHz	-41.82	PASS
Band38	15MHz	QPSK	38175	1RB#0	Range4:1000~10000MHz	-44.53	PASS
Band38	15MHz	QPSK	38175	1RB#0	Range5:10000~20000MHz	-49.16	PASS
Band38	15MHz	QPSK	38175	1RB#0	Range6:20000~26500MHz	-37.14	PASS
Band38	15MHz	16QAM	37825	1RB#0	Range1:0.009~0.15MHz	-65.06	PASS
Band38	15MHz	16QAM	37825	1RB#0	Range2:0.15~30MHz	-51.84	PASS
Band38	15MHz	16QAM	37825	1RB#0	Range3:30~1000MHz	-41.75	PASS
Band38	15MHz	16QAM	37825	1RB#0	Range4:1000~10000MHz	-44.67	PASS
Band38	15MHz	16QAM	37825	1RB#0	Range5:10000~20000MHz	-49.21	PASS
Band38	15MHz	16QAM	37825	1RB#0	Range6:20000~26500MHz	-37.17	PASS
Band38	15MHz	16QAM	38000	1RB#0	Range1:0.009~0.15MHz	-66.51	PASS
Band38	15MHz	16QAM	38000	1RB#0	Range2:0.15~30MHz	-51.93	PASS
Band38	15MHz	16QAM	38000	1RB#0	Range3:30~1000MHz	-41.93	PASS
Band38	15MHz	16QAM	38000	1RB#0	Range4:1000~10000MHz	-44.68	PASS
Band38	15MHz	16QAM	38000	1RB#0	Range5:10000~20000MHz	-49.34	PASS
Band38	15MHz	16QAM	38000	1RB#0	Range6:20000~26500MHz	-37.23	PASS
Band38	15MHz	16QAM	38175	1RB#0	Range1:0.009~0.15MHz	-65.68	PASS
Band38	15MHz	16QAM	38175	1RB#0	Range2:0.15~30MHz	-51.2	PASS
Band38	15MHz	16QAM	38175	1RB#0	Range3:30~1000MHz	-41.07	PASS
Band38	15MHz	16QAM	38175	1RB#0	Range4:1000~10000MHz	-44.9	PASS
Band38	15MHz	16QAM	38175	1RB#0	Range5:10000~20000MHz	-49.03	PASS
Band38	15MHz	16QAM	38175	1RB#0	Range6:20000~26500MHz	-36.94	PASS
Band38	20MHz	QPSK	37850	1RB#0	Range1:0.009~0.15MHz	-64.73	PASS
Band38	20MHz	QPSK	37850	1RB#0	Range2:0.15~30MHz	-52.4	PASS
Band38	20MHz	QPSK	37850	1RB#0	Range3:30~1000MHz	-40.77	PASS
Band38	20MHz	QPSK	37850	1RB#0	Range4:1000~10000MHz	-44.61	PASS
Band38	20MHz	QPSK	37850	1RB#0	Range5:10000~20000MHz	-49.27	PASS

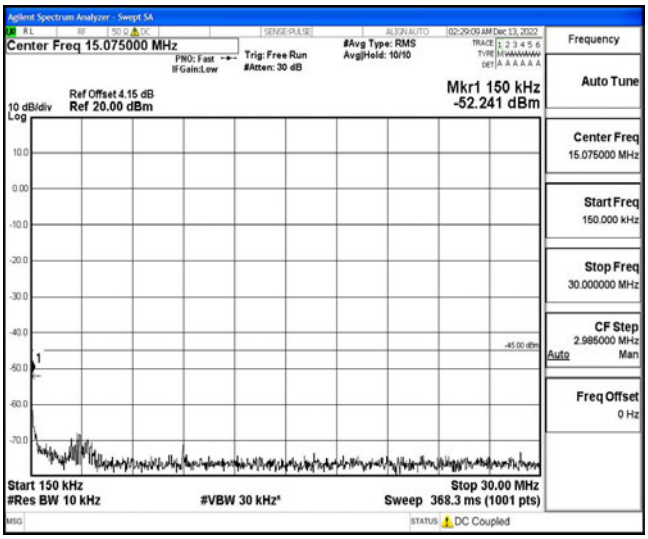
Band38	20MHz	QPSK	37850	1RB#0	Range6:20000~26500MHz	-37.26	PASS
Band38	20MHz	QPSK	38000	1RB#0	Range1:0.009~0.15MHz	-65.27	PASS
Band38	20MHz	QPSK	38000	1RB#0	Range2:0.15~30MHz	-50.71	PASS
Band38	20MHz	QPSK	38000	1RB#0	Range3:30~1000MHz	-41.98	PASS
Band38	20MHz	QPSK	38000	1RB#0	Range4:1000~10000MHz	-44.52	PASS
Band38	20MHz	QPSK	38000	1RB#0	Range5:10000~20000MHz	-49.24	PASS
Band38	20MHz	QPSK	38000	1RB#0	Range6:20000~26500MHz	-37.29	PASS
Band38	20MHz	QPSK	38150	1RB#0	Range1:0.009~0.15MHz	-65.02	PASS
Band38	20MHz	QPSK	38150	1RB#0	Range2:0.15~30MHz	-51.38	PASS
Band38	20MHz	QPSK	38150	1RB#0	Range3:30~1000MHz	-42.11	PASS
Band38	20MHz	QPSK	38150	1RB#0	Range4:1000~10000MHz	-44.41	PASS
Band38	20MHz	QPSK	38150	1RB#0	Range5:10000~20000MHz	-49.12	PASS
Band38	20MHz	QPSK	38150	1RB#0	Range6:20000~26500MHz	-37.24	PASS
Band38	20MHz	16QAM	37850	1RB#0	Range1:0.009~0.15MHz	-65.44	PASS
Band38	20MHz	16QAM	37850	1RB#0	Range2:0.15~30MHz	-50.65	PASS
Band38	20MHz	16QAM	37850	1RB#0	Range3:30~1000MHz	-41.79	PASS
Band38	20MHz	16QAM	37850	1RB#0	Range4:1000~10000MHz	-44.61	PASS
Band38	20MHz	16QAM	37850	1RB#0	Range5:10000~20000MHz	-49.3	PASS
Band38	20MHz	16QAM	37850	1RB#0	Range6:20000~26500MHz	-37.14	PASS
Band38	20MHz	16QAM	38000	1RB#0	Range1:0.009~0.15MHz	-66.11	PASS
Band38	20MHz	16QAM	38000	1RB#0	Range2:0.15~30MHz	-50.22	PASS
Band38	20MHz	16QAM	38000	1RB#0	Range3:30~1000MHz	-42.64	PASS
Band38	20MHz	16QAM	38000	1RB#0	Range4:1000~10000MHz	-44.69	PASS
Band38	20MHz	16QAM	38000	1RB#0	Range5:10000~20000MHz	-49.3	PASS
Band38	20MHz	16QAM	38000	1RB#0	Range6:20000~26500MHz	-37.11	PASS
Band38	20MHz	16QAM	38150	1RB#0	Range1:0.009~0.15MHz	-64.63	PASS
Band38	20MHz	16QAM	38150	1RB#0	Range2:0.15~30MHz	-52.01	PASS
Band38	20MHz	16QAM	38150	1RB#0	Range3:30~1000MHz	-42.13	PASS
Band38	20MHz	16QAM	38150	1RB#0	Range4:1000~10000MHz	-44.7	PASS
Band38	20MHz	16QAM	38150	1RB#0	Range5:10000~20000MHz	-49.16	PASS
Band38	20MHz	16QAM	38150	1RB#0	Range6:20000~26500MHz	-37.17	PASS

Test Graphs

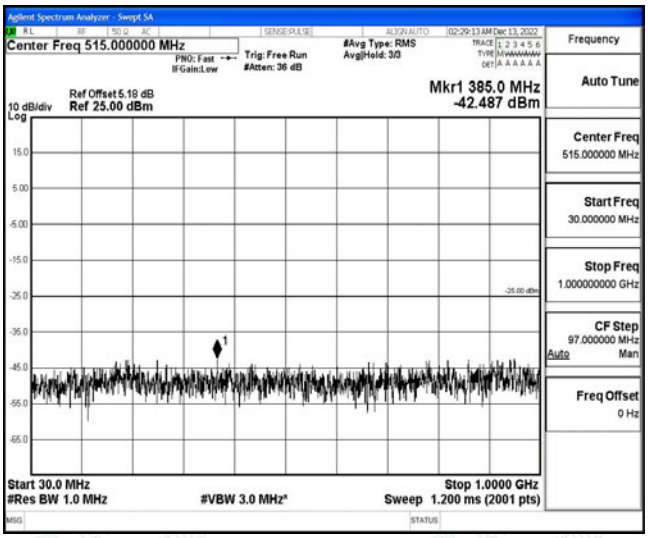
Band38-5MHz-QPSK-37775-1RB#0-Range1:0.009~0.15MHz



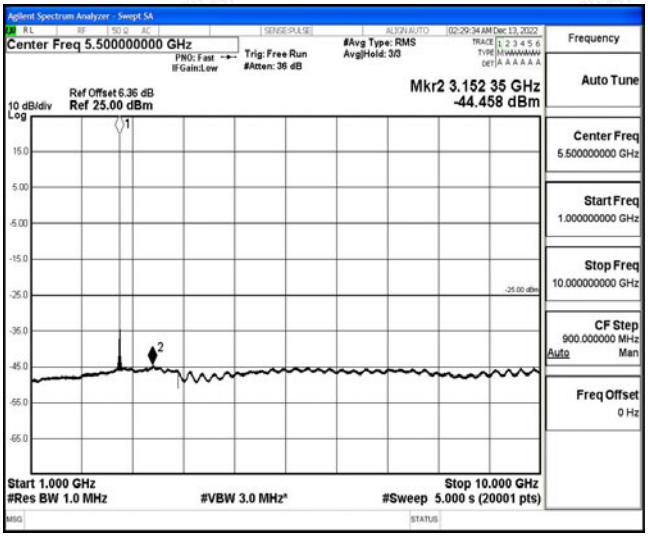
Band38-5MHz-QPSK-37775-1RB#0-Range2:0.15~30MHz



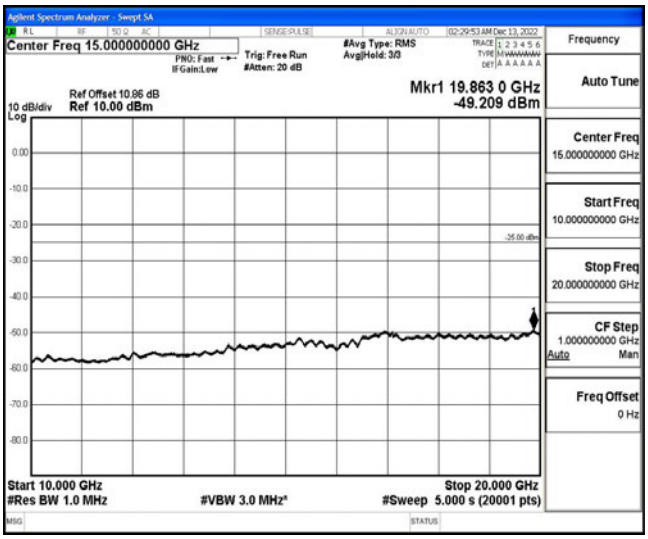
Band38-5MHz-QPSK-37775-1RB#0-Range3:30~1000MHz



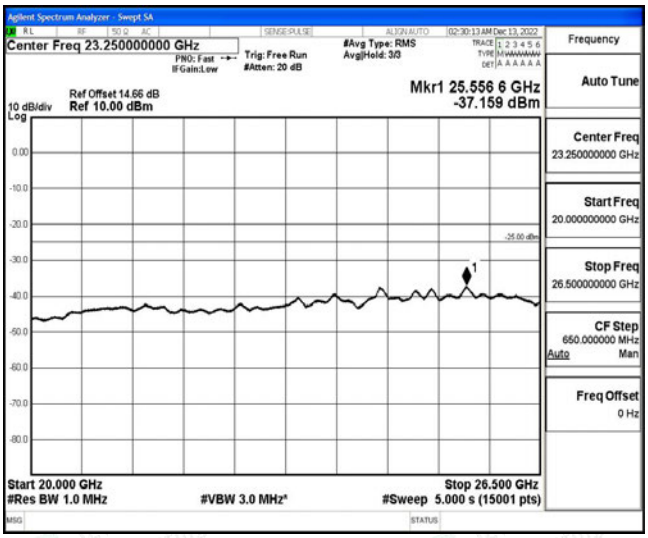
Band38-5MHz-QPSK-37775-1RB#0-Range4:1000~10000MHz



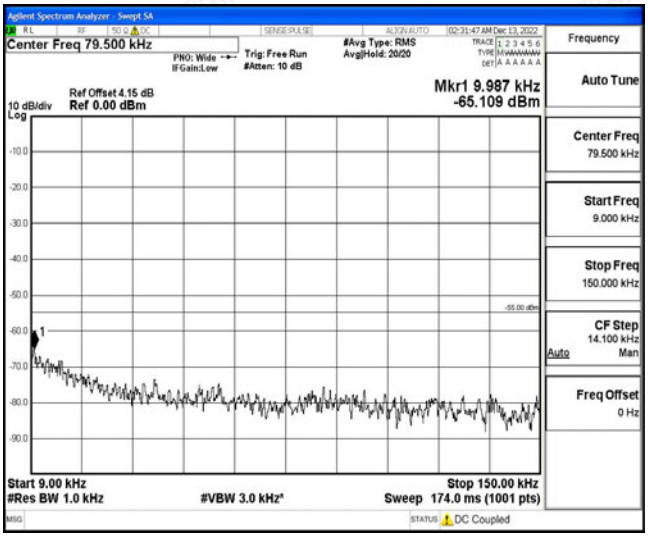
Band38-5MHz-QPSK-37775-1RB#0-Range5:10000~20000MHz



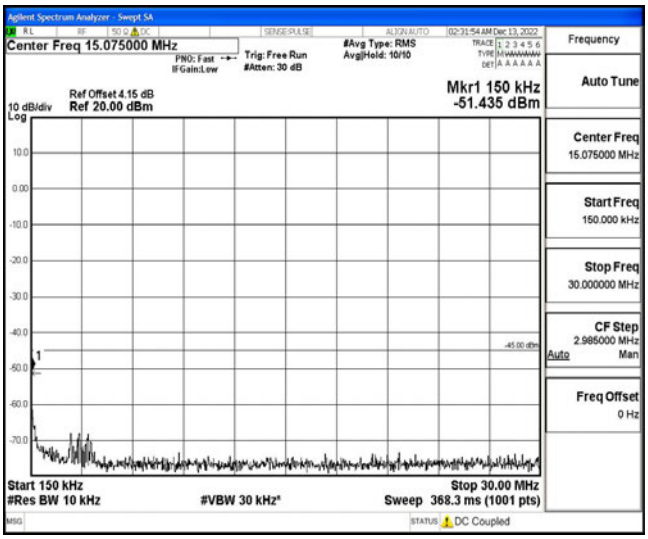
Band38-5MHz-QPSK-37775-1RB#0-Range6:20000~26500MHz



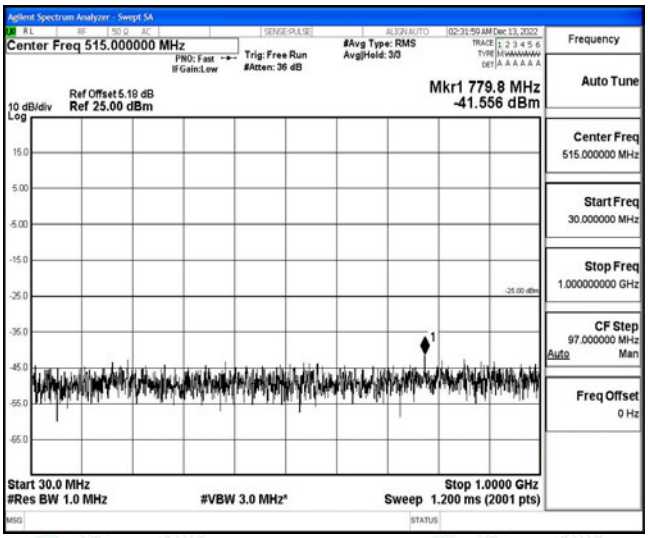
Band38-5MHz-QPSK-38000-1RB#0-Range1:0.009~0.15MHz



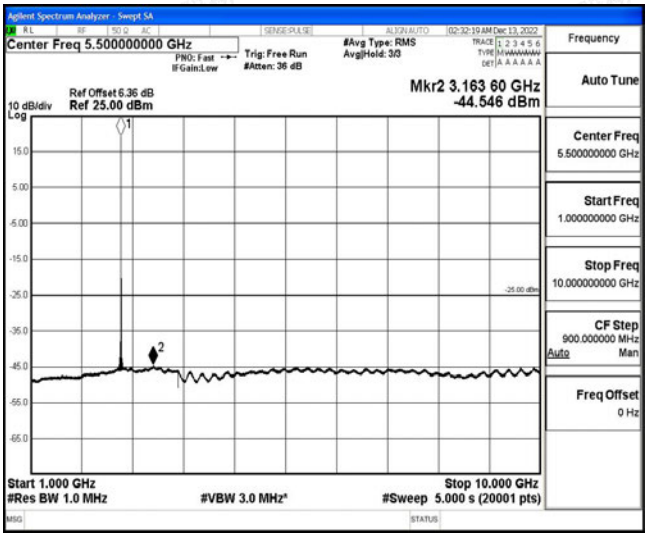
Band38-5MHz-QPSK-38000-1RB#0-Range2:0.15~30MHz



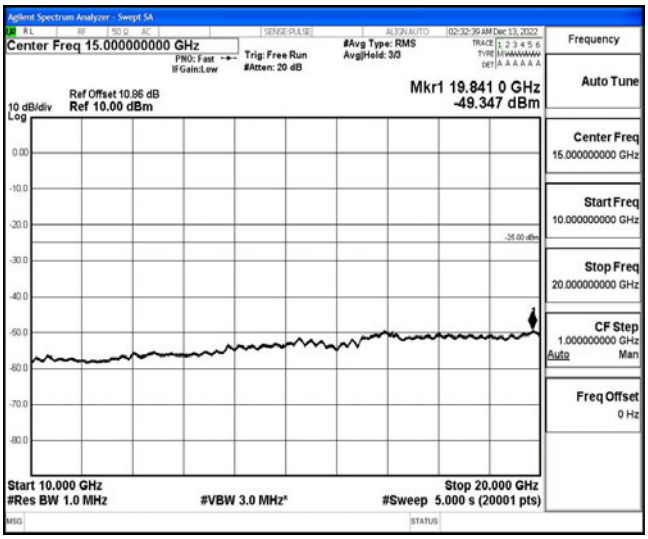
Band38-5MHz-QPSK-38000-1RB#0-Range3:30~1000MHz



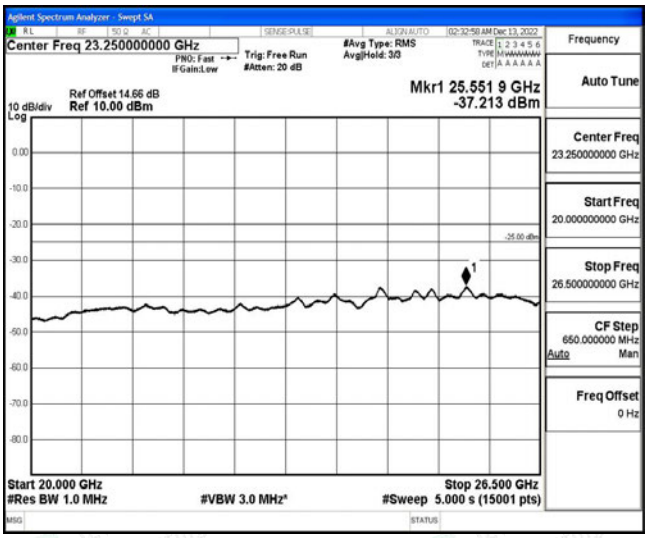
Band38-5MHz-QPSK-38000-1RB#0-Range4:1000~10000MHz



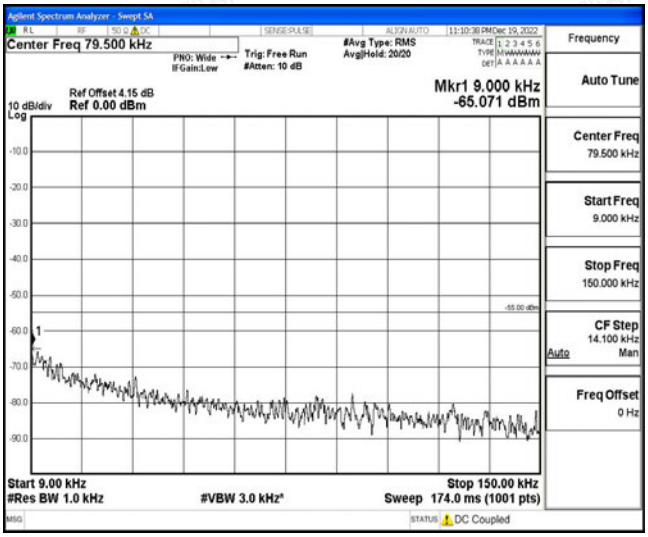
Band38-5MHz-QPSK-38000-1RB#0-Range5:10000~20000MHz



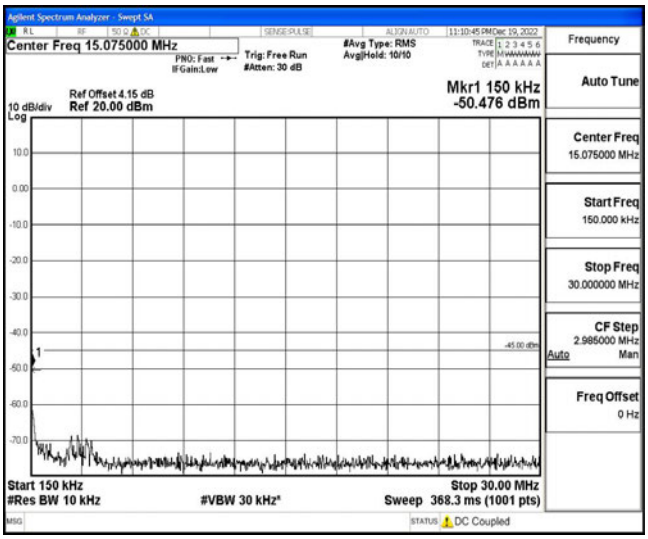
Band38-5MHz-QPSK-38000-1RB#0-Range6:20000~26500MHz



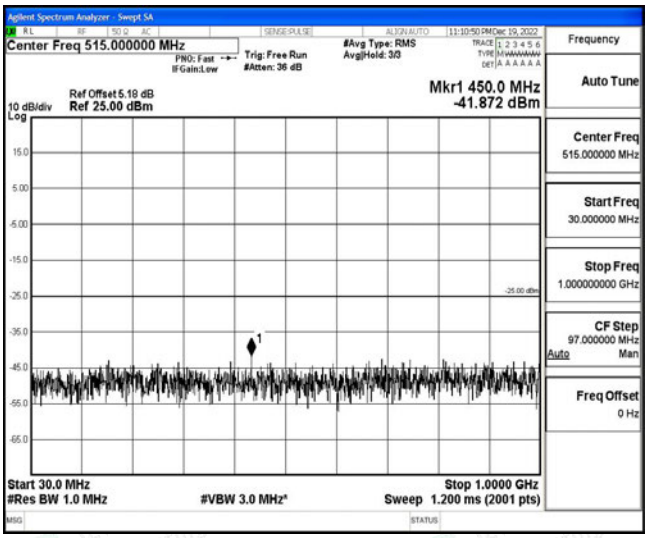
Band38-5MHz-QPSK-38225-1RB#0-Range1:0.009~0.15MHz



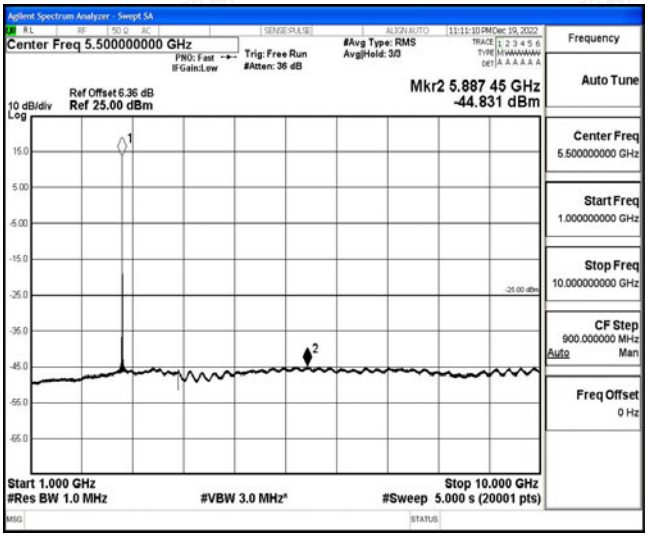
Band38-5MHz-QPSK-38225-1RB#0-Range2:0.15~30MHz



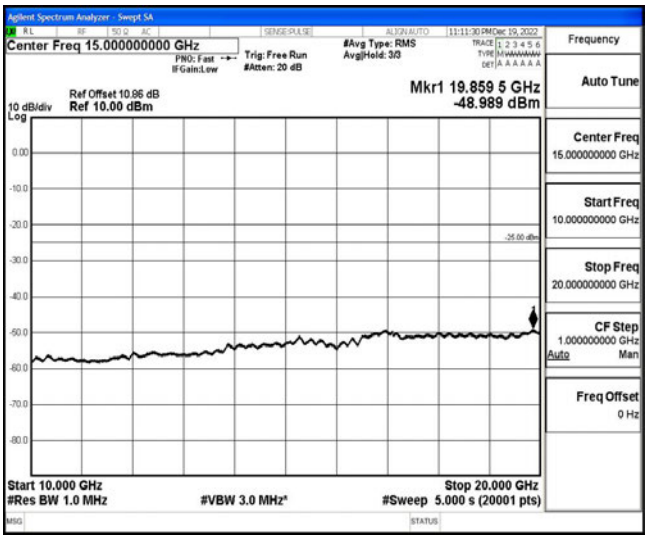
Band38-5MHz-QPSK-38225-1RB#0-Range3:30~1000MHz



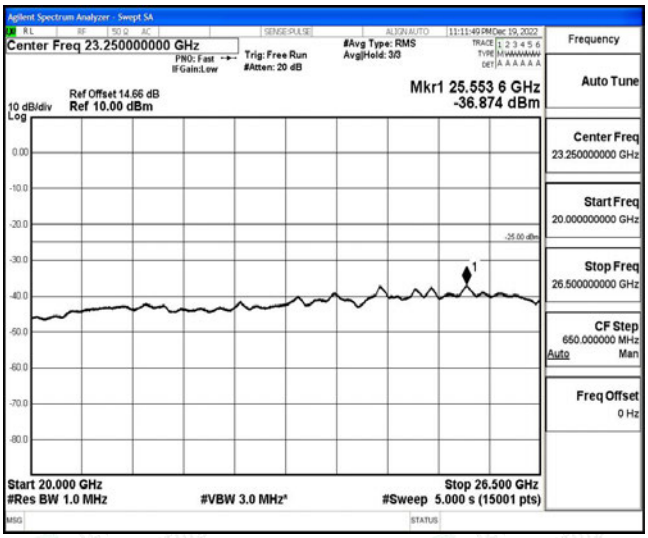
Band38-5MHz-QPSK-38225-1RB#0-Range4:1000~10000MHz



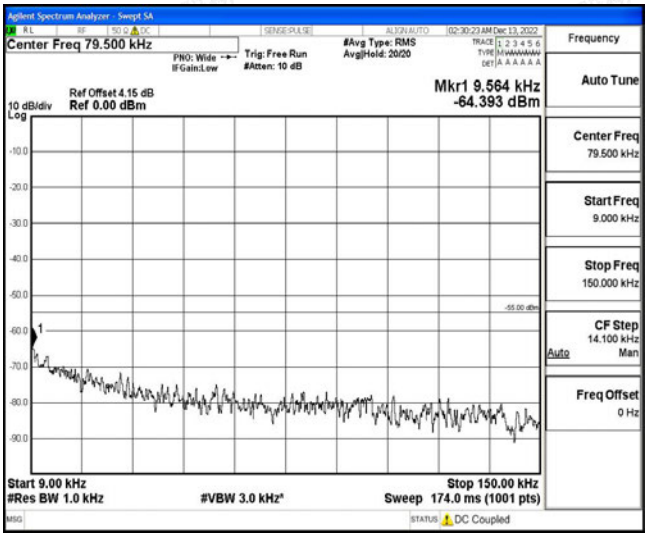
Band38-5MHz-QPSK-38225-1RB#0-Range5:10000~20000MHz



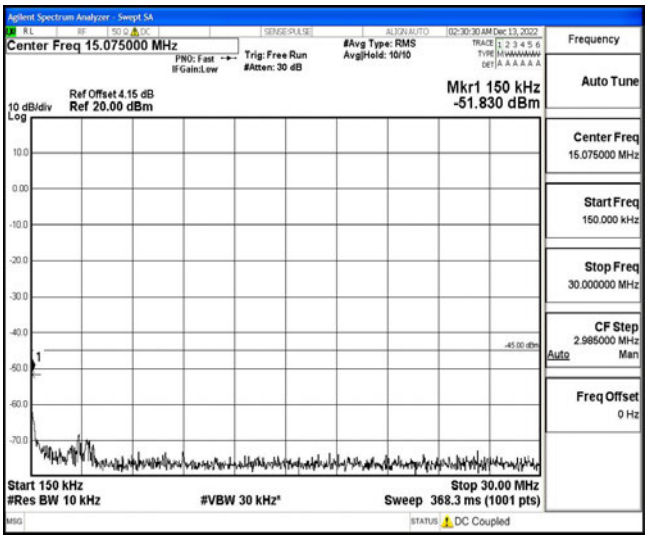
Band38-5MHz-QPSK-38225-1RB#0-Range6:20000~26500MHz



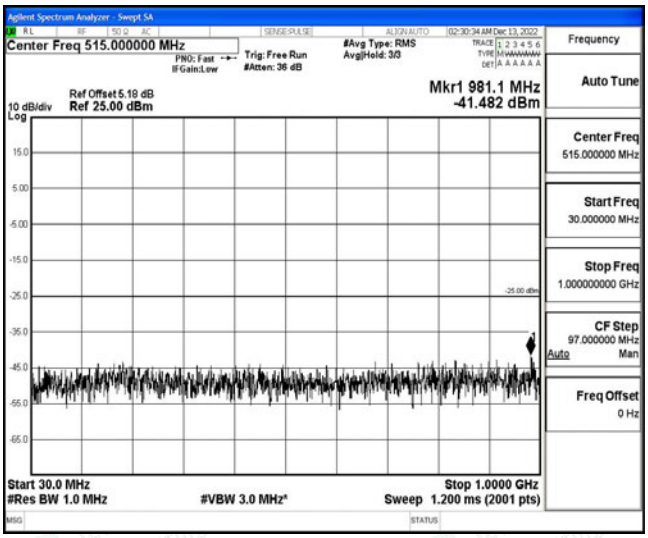
Band38-5MHz-16QAM-37775-1RB#0-Range1:0.009~0.15MHz



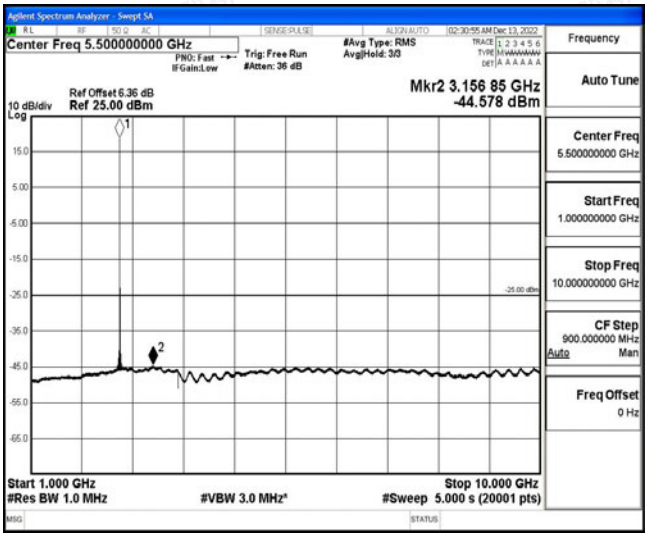
Band38-5MHz-16QAM-37775-1RB#0-Range2:0.15~30MHz



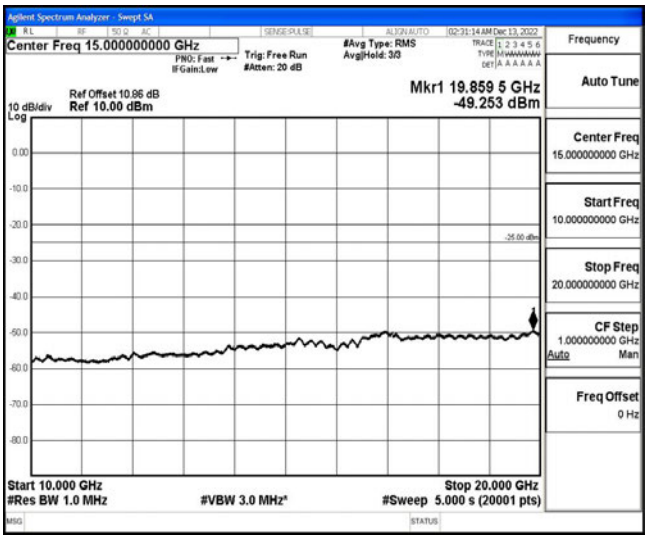
Band38-5MHz-16QAM-37775-1RB#0-Range3:30~1000MHz



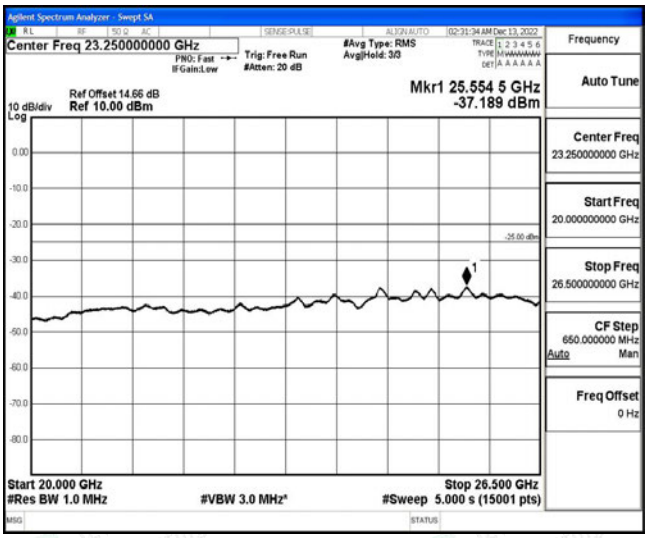
Band38-5MHz-16QAM-37775-1RB#0-Range4:1000~10000MHz



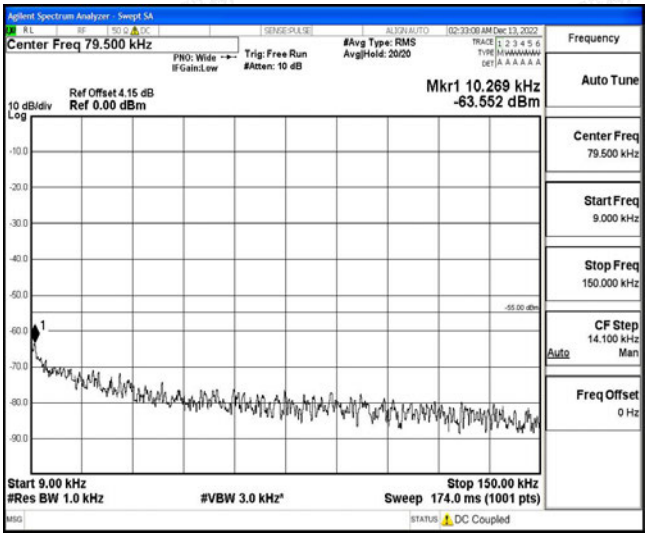
Band38-5MHz-16QAM-37775-1RB#0-Range5:10000~20000MHz



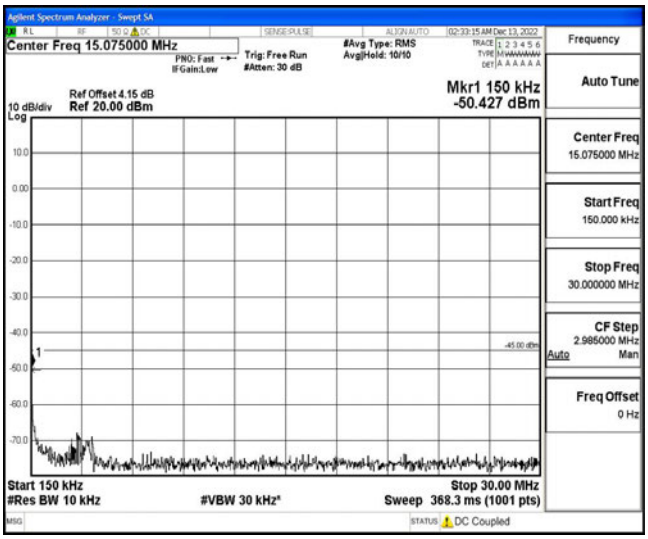
Band38-5MHz-16QAM-37775-1RB#0-Range6:20000~26500MHz



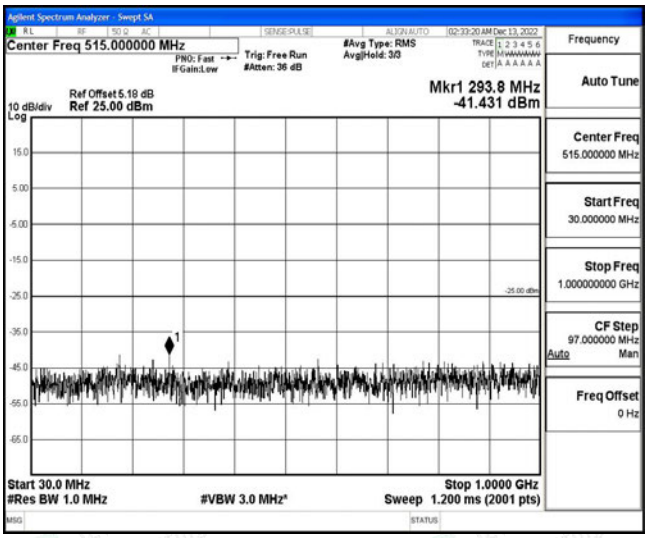
Band38-5MHz-16QAM-38000-1RB#0-Range1:0.009~0.15MHz



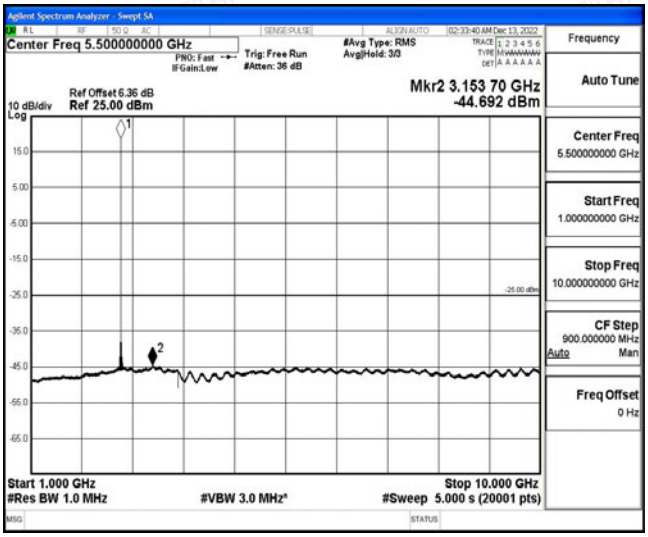
Band38-5MHz-16QAM-38000-1RB#0-Range2:0.15~30MHz



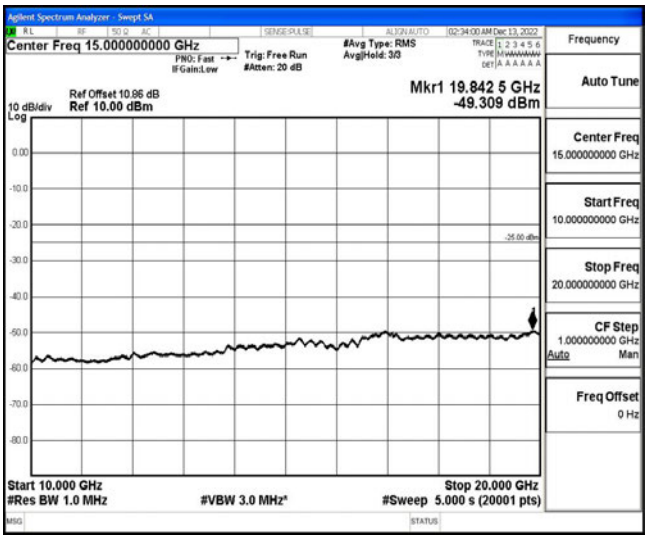
Band38-5MHz-16QAM-38000-1RB#0-Range3:30~1000MHz



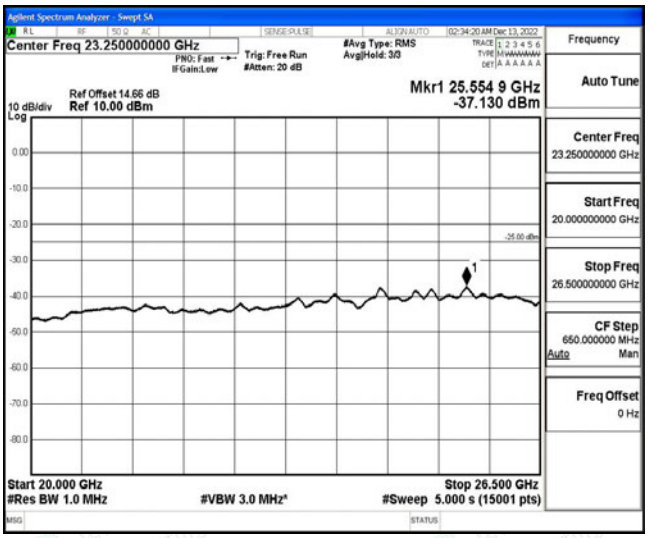
Band38-5MHz-16QAM-38000-1RB#0-Range4:1000~10000MHz



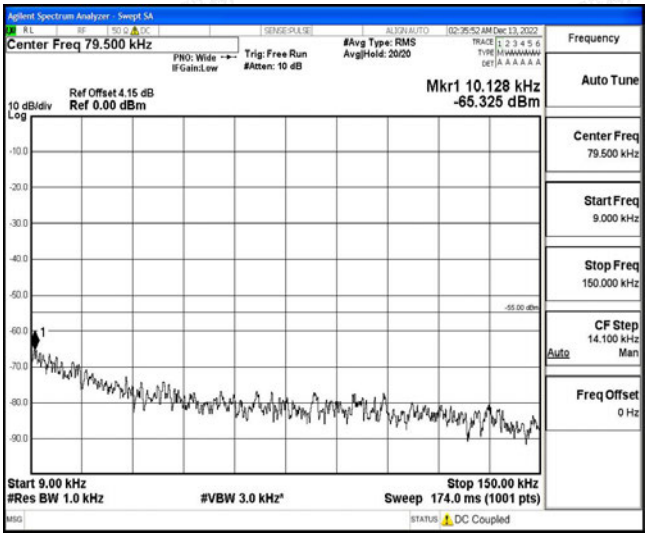
Band38-5MHz-16QAM-38000-1RB#0-Range5:10000~20000MHz



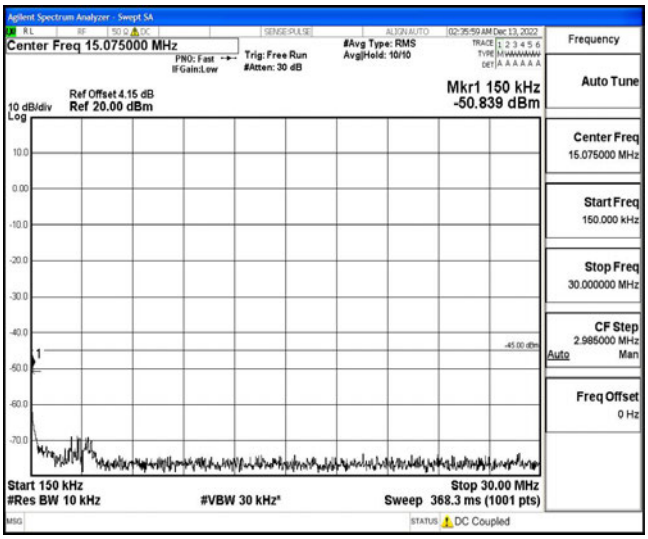
Band38-5MHz-16QAM-38000-1RB#0-Range6:20000~26500MHz



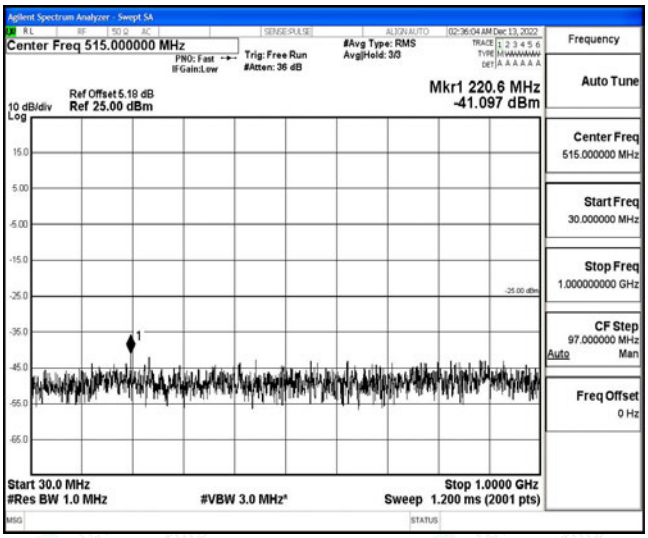
Band38-5MHz-16QAM-38225-1RB#0-Range1:0.009~0.15MHz



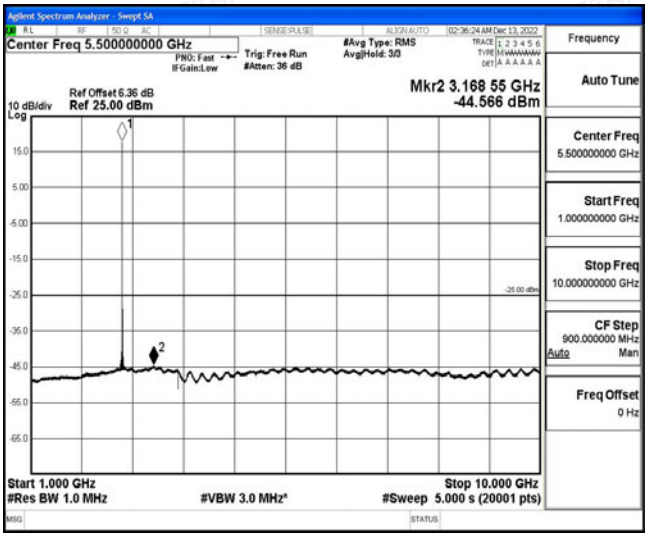
Band38-5MHz-16QAM-38225-1RB#0-Range2:0.15~30MHz



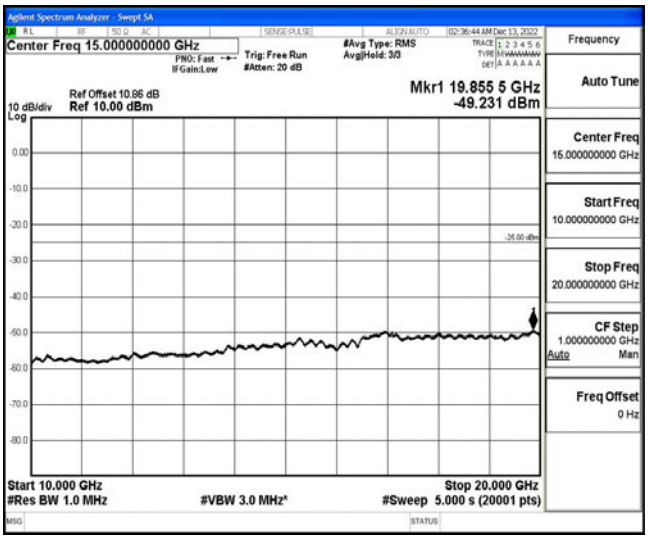
Band38-5MHz-16QAM-38225-1RB#0-Range3:30~1000MHz



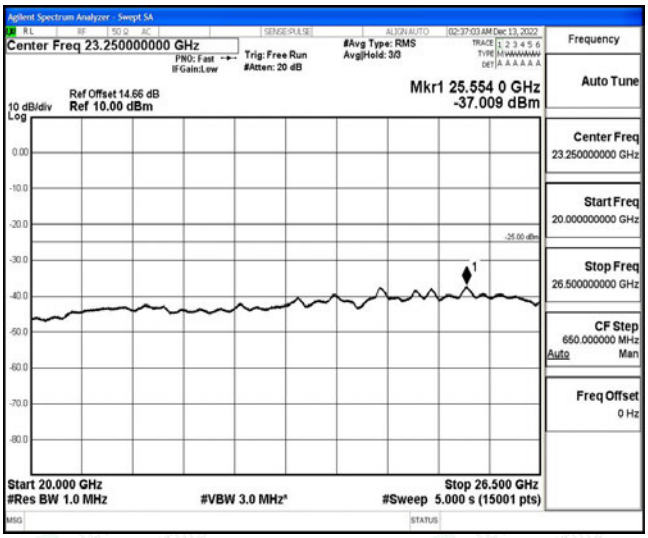
Band38-5MHz-16QAM-38225-1RB#0-Range4:1000~10000MHz



Band38-5MHz-16QAM-38225-1RB#0-Range5:10000~20000MHz



Band38-5MHz-16QAM-38225-1RB#0-Range6:20000~26500MHz



Band38-10MHz-QPSK-37800-1RB#0-Range1:0.009~0.15MHz