Appendix I: Test Data for E-UTRA Band 7

Product Name: Smart Phone

Test Model: ONE

Environmental Conditions

Temperature:	23.5° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Ling Zhu
Supervised by:	Li huan

I.1 Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	20.76	PASS
Band7	5MHz	QPSK	20775	1RB#12	21.01	PASS
Band7	5MHz	QPSK	20775	1RB#24	20.97	PASS
Band7	5MHz	QPSK	20775	12RB#0	19.88	PASS
Band7	5MHz	QPSK	20775	12RB#6	19.88	PASS
Band7	5MHz	QPSK	20775	12RB#13	19.87	PASS
Band7	5MHz	QPSK	20775	25RB#0	19.92	PASS
Band7	5MHz	QPSK	21100	1RB#0	20.86	PASS
Band7	5MHz	QPSK	21100	1RB#12	21.02	PASS
Band7	5MHz	QPSK	21100	1RB#24	20.87	PASS
Band7	5MHz	QPSK	21100	12RB#0	19.85	PASS
Band7	5MHz	QPSK	21100	12RB#6	19.82	PASS
Band7	5MHz	QPSK	21100	12RB#13	19.88	PASS
Band7	5MHz	QPSK	21100	25RB#0	19.88	PASS
Band7	5MHz	QPSK	21425	1RB#0	20.90	PASS
Band7	5MHz	QPSK	21425	1RB#12	21.05	PASS
Band7	5MHz	QPSK	21425	1RB#24	20.95	PASS
Band7	5MHz	QPSK	21425	12RB#0	19.98	PASS
Band7	5MHz	QPSK	21425	12RB#6	19.97	PASS
Band7	5MHz	QPSK	21425	12RB#13	20.01	PASS
Band7	5MHz	QPSK	21425	25RB#0	19.95	PASS
Band7	5MHz	16QAM	20775	1RB#0	19.70	PASS
Band7	5MHz	16QAM	20775	1RB#12	19.94	PASS
Band7	5MHz	16QAM	20775	1RB#24	19.85	PASS
Band7	5MHz	16QAM	20775	12RB#0	18.79	PASS
Band7	5MHz	16QAM	20775	12RB#6	18.83	PASS
Band7	5MHz	16QAM	20775	12RB#13	18.74	PASS
Band7	5MHz	16QAM	20775	25RB#0	18.93	PASS
Band7	5MHz	16QAM	21100	1RB#0	19.77	PASS
Band7	5MHz	16QAM	21100	1RB#12	19.93	PASS
Band7	5MHz	16QAM	21100	1RB#24	19.77	PASS
Band7	5MHz	16QAM	21100	12RB#0	18.83	PASS

Band7	5MHz	16QAM	21100	12RB#6	18.85	PASS
Band7	5MHz	16QAM	21100	12RB#13	18.91	PASS
Band7	5MHz	16QAM	21100	25RB#0	18.87	PASS
Band7	5MHz	16QAM	21425	1RB#0	19.95	PASS
Band7	5MHz	16QAM	21425	1RB#12	20.07	PASS
Band7	5MHz	16QAM	21425	1RB#24	19.95	PASS
Band7	5MHz	16QAM	21425	12RB#0	18.96	PASS
Band7	5MHz	16QAM	21425	12RB#6	18.91	PASS
Band7	5MHz	16QAM	21425	12RB#13	19.05	PASS
Band7	5MHz	16QAM	21425	25RB#0	18.93	PASS
Band7	10MHz	QPSK	20800	1RB#0	20.83	PASS
Band7	10MHz	QPSK	20800	1RB#24	21.17	PASS
Band7	10MHz	QPSK	20800	1RB#49	21.04	PASS
Band7	10MHz	QPSK	20800	25RB#0	20.02	PASS
Band7	10MHz	QPSK	20800	25RB#12	19.98	PASS
Band7	10MHz	QPSK	20800	25RB#25	20.02	PASS
Band7	10MHz	QPSK	20800	50RB#0	20.05	PASS
Band7	10MHz	QPSK	21100	1RB#0	20.90	PASS
Band7	10MHz	QPSK	21100	1RB#24	21.05	PASS
Band7	10MHz	QPSK	21100	1RB#49	20.83	PASS
Band7	10MHz	QPSK	21100	25RB#0	19.85	PASS
Band7	10MHz	QPSK	21100	25RB#12	19.88	PASS
Band7	10MHz	QPSK	21100	25RB#25	19.88	PASS
Band7	10MHz	QPSK	21100	50RB#0	19.87	PASS
Band7	10MHz	QPSK	21400	1RB#0	21.09	PASS
Band7	10MHz	QPSK	21400	1RB#24	21.17	PASS
Band7	10MHz	QPSK	21400	1RB#49	20.93	PASS
Band7	10MHz	QPSK	21400	25RB#0	19.92	PASS
Band7	10MHz	QPSK	21400	25RB#12	19.93	PASS
Band7	10MHz	QPSK	21400	25RB#25	20.07	PASS
Band7	10MHz	QPSK	21400	50RB#0	20.02	PASS
Band7	10MHz	16QAM	20800	1RB#0	19.81	PASS
Band7	10MHz	16QAM	20800	1RB#24	20.17	PASS
Band7	10MHz	16QAM	20800	1RB#49	19.99	PASS
Band7	10MHz	16QAM	20800	25RB#0	19.06	PASS
Band7	10MHz	16QAM	20800	25RB#12	19.04	PASS
Band7	10MHz	16QAM	20800	25RB#25	19.01	PASS

Band7	10MHz	16QAM	20800	50RB#0	19.03	PASS
Band7	10MHz	16QAM	21100	1RB#0	19.90	PASS
Band7	10MHz	16QAM	21100	1RB#24	19.98	PASS
Band7	10MHz	16QAM	21100	1RB#49	19.85	PASS
Band7	10MHz	16QAM	21100	25RB#0	18.84	PASS
Band7	10MHz	16QAM	21100	25RB#12	18.80	PASS
Band7	10MHz	16QAM	21100	25RB#25	18.92	PASS
Band7	10MHz	16QAM	21100	50RB#0	18.86	PASS
Band7	10MHz	16QAM	21400	1RB#0	19.78	PASS
Band7	10MHz	16QAM	21400	1RB#24	19.93	PASS
Band7	10MHz	16QAM	21400	1RB#49	19.82	PASS
Band7	10MHz	16QAM	21400	25RB#0	18.96	PASS
Band7	10MHz	16QAM	21400	25RB#12	18.96	PASS
Band7	10MHz	16QAM	21400	25RB#25	19.11	PASS
Band7	10MHz	16QAM	21400	50RB#0	19.03	PASS
Band7	15MHz	QPSK	20825	1RB#0	20.73	PASS
Band7	15MHz	QPSK	20825	1RB#38	21.11	PASS
Band7	15MHz	QPSK	20825	1RB#74	21.00	PASS
Band7	15MHz	QPSK	20825	38RB#0	19.71	PASS
Band7	15MHz	QPSK	20825	38RB#18	20.07	PASS
Band7	15MHz	QPSK	20825	38RB#37	19.98	PASS
Band7	15MHz	QPSK	20825	75RB#0	20.03	PASS
Band7	15MHz	QPSK	21100	1RB#0	20.83	PASS
Band7	15MHz	QPSK	21100	1RB#38	20.77	PASS
Band7	15MHz	QPSK	21100	1RB#74	20.72	PASS
Band7	15MHz	QPSK	21100	38RB#0	19.62	PASS
Band7	15MHz	QPSK	21100	38RB#18	19.81	PASS
Band7	15MHz	QPSK	21100	38RB#37	19.70	PASS
Band7	15MHz	QPSK	21100	75RB#0	19.92	PASS
Band7	15MHz	QPSK	21375	1RB#0	21.16	PASS
Band7	15MHz	QPSK	21375	1RB#38	21.40	PASS
Band7	15MHz	QPSK	21375	1RB#74	21.24	PASS
Band7	15MHz	QPSK	21375	38RB#0	20.17	PASS
Band7	15MHz	QPSK	21375	38RB#18	20.35	PASS
Band7	15MHz	QPSK	21375	38RB#37	20.33	PASS
Band7	15MHz	QPSK	21375	75RB#0	20.48	PASS
Band7	15MHz	16QAM	20825	1RB#0	19.72	PASS

Band7	15MHz	16QAM	20825	1RB#38	20.00	PASS
Band7	15MHz	16QAM	20825	1RB#74	20.01	PASS
Band7	15MHz	16QAM	20825	38RB#0	19.72	PASS
Band7	15MHz	16QAM	20825	38RB#18	20.06	PASS
Band7	15MHz	16QAM	20825	38RB#37	19.96	PASS
Band7	15MHz	16QAM	20825	75RB#0	18.95	PASS
Band7	15MHz	16QAM	21100	1RB#0	19.83	PASS
Band7	15MHz	16QAM	21100	1RB#38	19.80	PASS
Band7	15MHz	16QAM	21100	1RB#74	19.52	PASS
Band7	15MHz	16QAM	21100	38RB#0	19.80	PASS
Band7	15MHz	16QAM	21100	38RB#18	19.77	PASS
Band7	15MHz	16QAM	21100	38RB#37	19.70	PASS
Band7	15MHz	16QAM	21100	75RB#0	18.78	PASS
Band7	15MHz	16QAM	21375	1RB#0	20.18	PASS
Band7	15MHz	16QAM	21375	1RB#38	20.39	PASS
Band7	15MHz	16QAM	21375	1RB#74	20.29	PASS
Band7	15MHz	16QAM	21375	38RB#0	20.16	PASS
Band7	15MHz	16QAM	21375	38RB#18	20.45	PASS
Band7	15MHz	16QAM	21375	38RB#37	20.29	PASS
Band7	15MHz	16QAM	21375	75RB#0	19.39	PASS
Band7	20MHz	QPSK	20850	1RB#0	20.64	PASS
Band7	20MHz	QPSK	20850	1RB#49	21.34	PASS
Band7	20MHz	QPSK	20850	1RB#99	20.84	PASS
Band7	20MHz	QPSK	20850	50RB#0	20.00	PASS
Band7	20MHz	QPSK	20850	50RB#25	20.05	PASS
Band7	20MHz	QPSK	20850	50RB#50	19.99	PASS
Band7	20MHz	QPSK	20850	100RB#0	20.01	PASS
Band7	20MHz	QPSK	21100	1RB#0	20.78	PASS
Band7	20MHz	QPSK	21100	1RB#49	21.01	PASS
Band7	20MHz	QPSK	21100	1RB#99	20.63	PASS
Band7	20MHz	QPSK	21100	50RB#0	19.64	PASS
Band7	20MHz	QPSK	21100	50RB#25	19.72	PASS
Band7	20MHz	QPSK	21100	50RB#50	19.78	PASS
Band7	20MHz	QPSK	21100	100RB#0	19.76	PASS
Band7	20MHz	QPSK	21350	1RB#0	20.95	PASS
Band7	20MHz	QPSK	21350	1RB#49	21.58	PASS
Band7	20MHz	QPSK	21350	1RB#99	21.20	PASS

Band7	20MHz	QPSK	21350	50RB#0	20.33	PASS
Band7	20MHz	QPSK	21350	50RB#25	20.36	PASS
Band7	20MHz	QPSK	21350	50RB#50	20.56	PASS
Band7	20MHz	QPSK	21350	100RB#0	20.50	PASS
Band7	20MHz	16QAM	20850	1RB#0	19.46	PASS
Band7	20MHz	16QAM	20850	1RB#49	20.16	PASS
Band7	20MHz	16QAM	20850	1RB#99	19.60	PASS
Band7	20MHz	16QAM	20850	50RB#0	19.00	PASS
Band7	20MHz	16QAM	20850	50RB#25	19.03	PASS
Band7	20MHz	16QAM	20850	50RB#50	19.01	PASS
Band7	20MHz	16QAM	20850	100RB#0	19.03	PASS
Band7	20MHz	16QAM	21100	1RB#0	19.65	PASS
Band7	20MHz	16QAM	21100	1RB#49	19.80	PASS
Band7	20MHz	16QAM	21100	1RB#99	19.79	PASS
Band7	20MHz	16QAM	21100	50RB#0	18.70	PASS
Band7	20MHz	16QAM	21100	50RB#25	18.66	PASS
Band7	20MHz	16QAM	21100	50RB#50	18.82	PASS
Band7	20MHz	16QAM	21100	100RB#0	18.78	PASS
Band7	20MHz	16QAM	21350	1RB#0	19.90	PASS
Band7	20MHz	16QAM	21350	1RB#49	20.40	PASS
Band7	20MHz	16QAM	21350	1RB#99	20.06	PASS
Band7	20MHz	16QAM	21350	50RB#0	19.35	PASS
Band7	20MHz	16QAM	21350	50RB#25	19.37	PASS
Band7	20MHz	16QAM	21350	50RB#50	19.59	PASS
Band7	20MHz	16QAM	21350	100RB#0	19.42	PASS

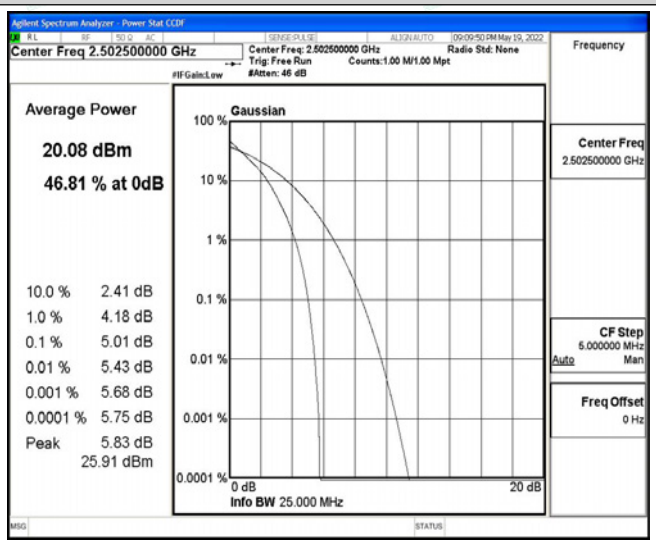
I.2 Peak-to-Average Ratio(CCDF)

Test Result

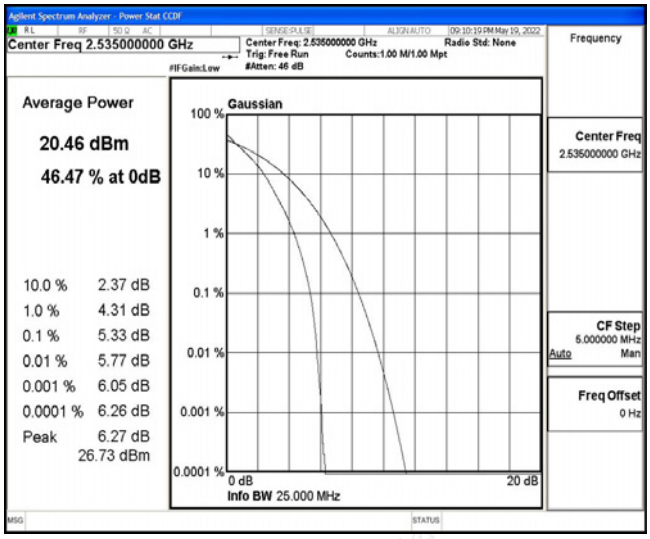
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	5.01	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	5.33	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	5.28	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	5.83	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	5.92	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	6.05	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	5.11	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	5.15	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	5.37	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	5.84	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	5.98	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	6.16	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	5.46	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	5.49	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	5.71	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	6.09	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	6.10	13	PASS
Band7	15MHz	16QAM	21375	75RB#0	6.27	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	5.35	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.34	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.63	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	6.14	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.07	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	6.35	13	PASS

Test Graphs

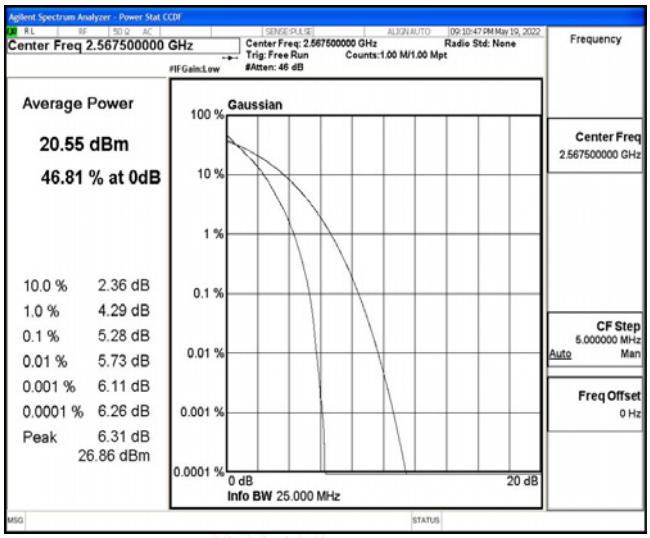
Band7-5MHz-QPSK-20775-25RB#0



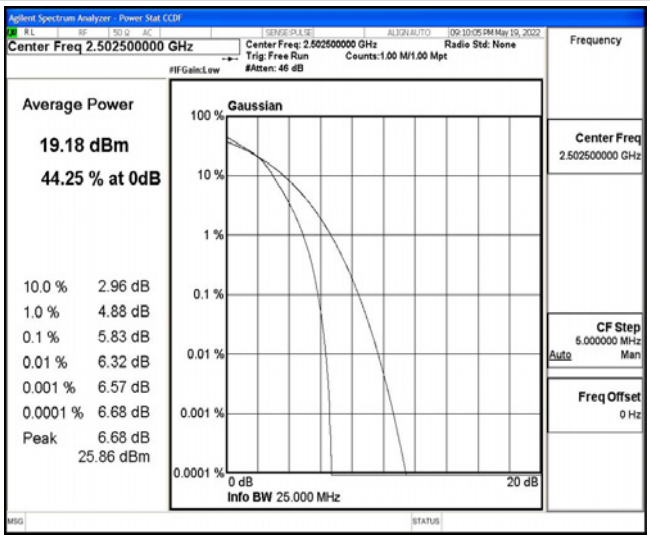
Band7-5MHz-QPSK-21100-25RB#0



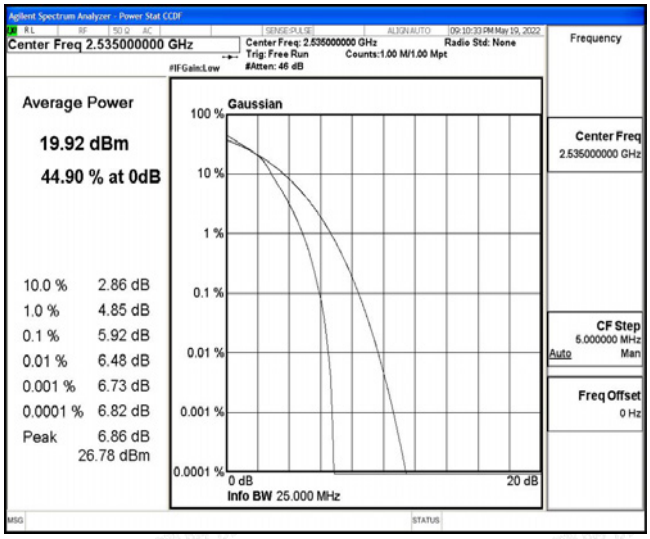
Band7-5MHz-QPSK-21425-25RB#0



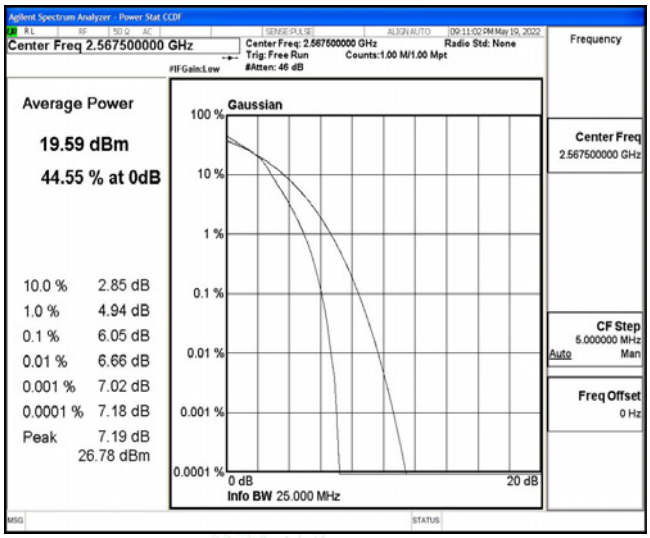
Band7-5MHz-16QAM-20775-25RB#0



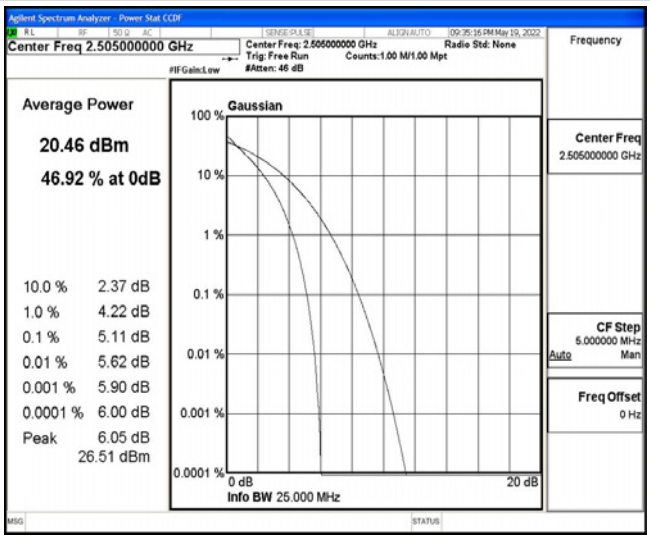
Band7-5MHz-16QAM-21100-25RB#0



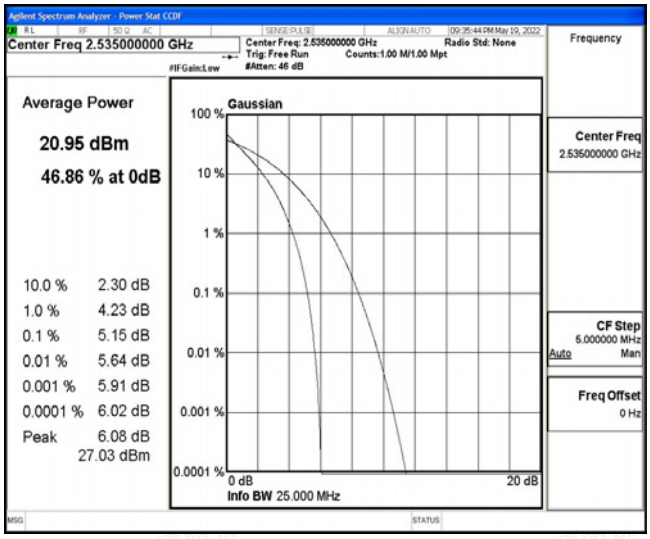
Band7-5MHz-16QAM-21425-25RB#0



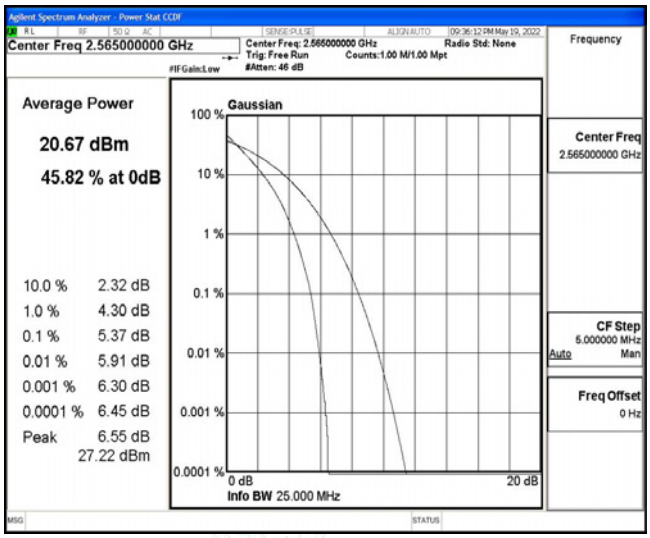
Band7-10MHz-QPSK-20800-50RB#0



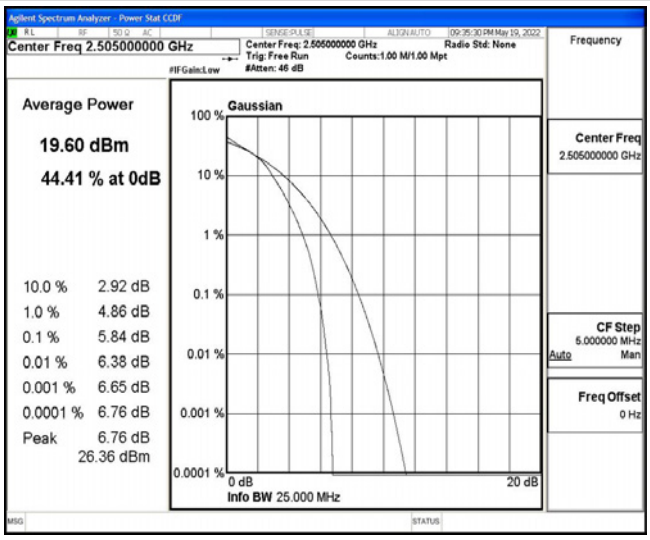
Band7-10MHz-QPSK-21100-50RB#0



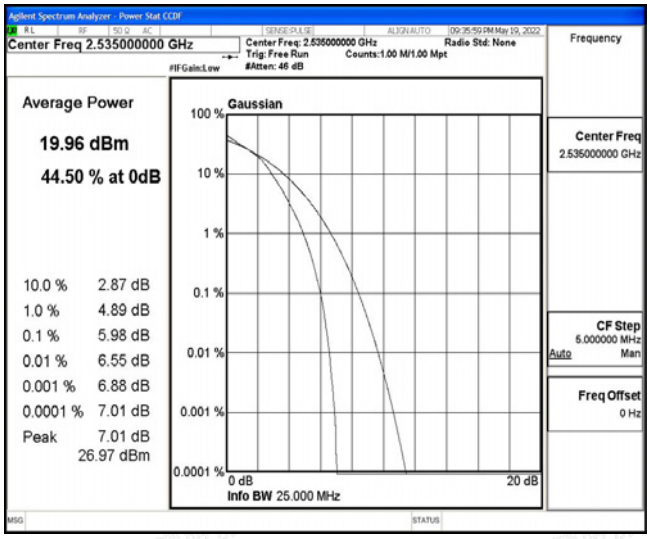
Band7-10MHz-QPSK-21400-50RB#0



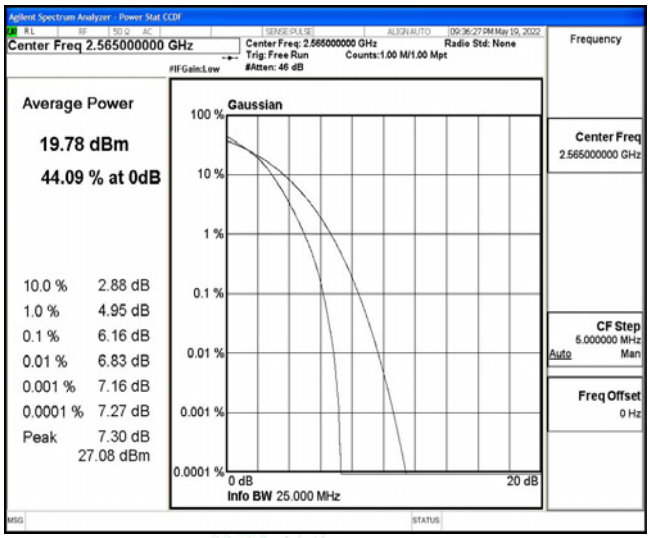
Band7-10MHz-16QAM-20800-50RB#0



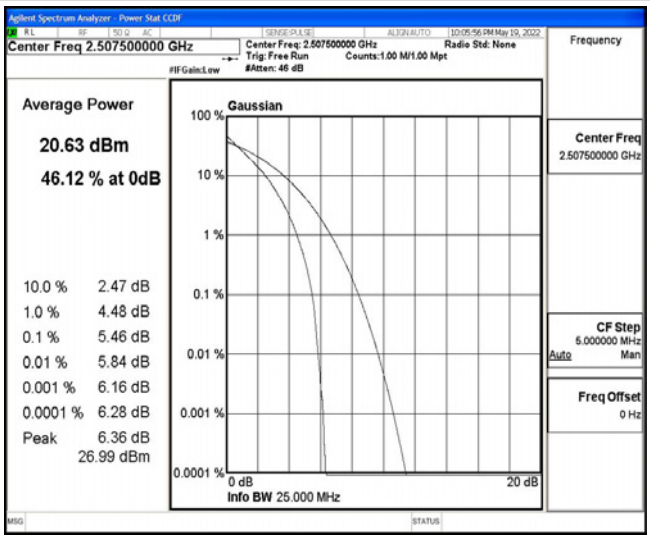
Band7-10MHz-16QAM-21100-50RB#0



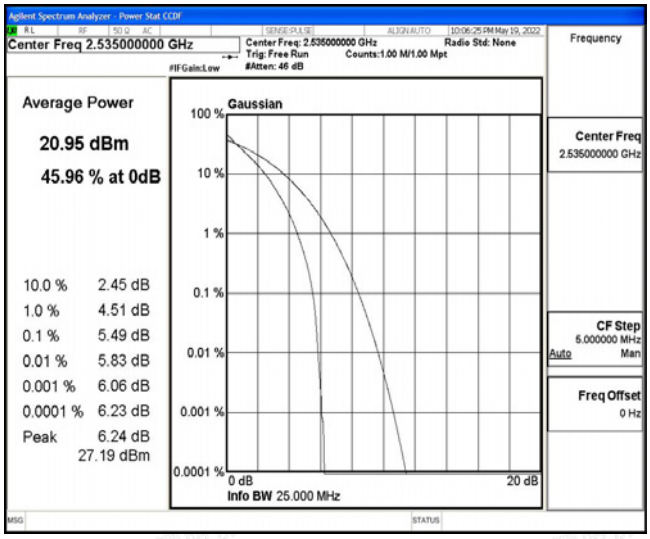
Band7-10MHz-16QAM-21400-50RB#0



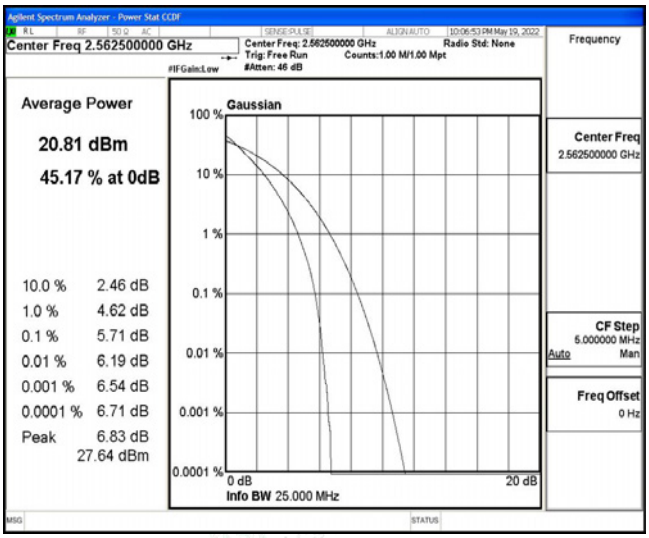
Band7-15MHz-QPSK-20825-75RB#0



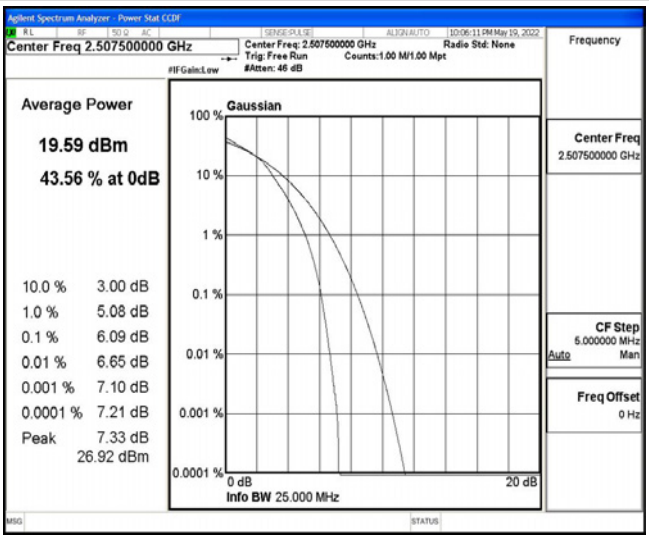
Band7-15MHz-QPSK-21100-75RB#0



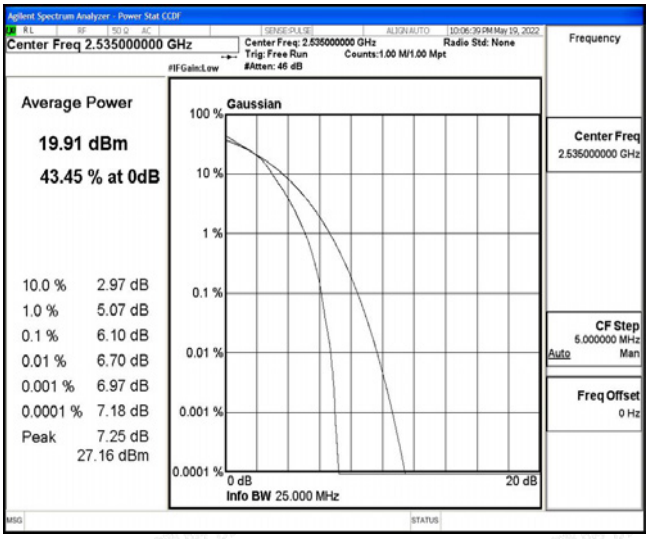
Band7-15MHz-QPSK-21375-75RB#0



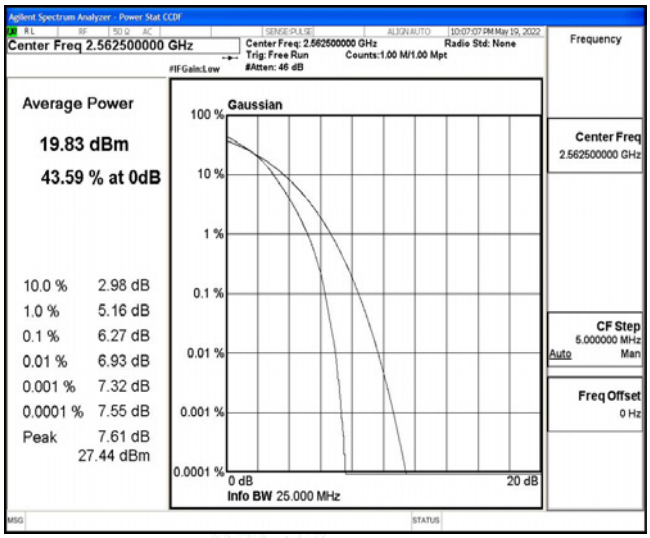
Band7-15MHz-16QAM-20825-75RB#0



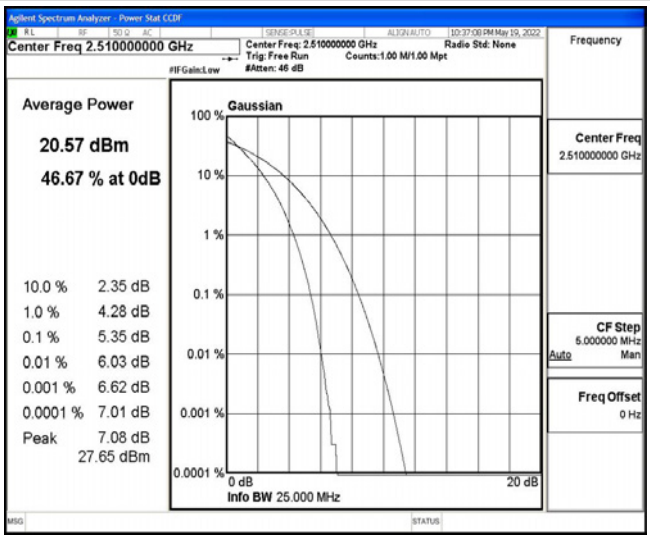
Band7-15MHz-16QAM-21100-75RB#0



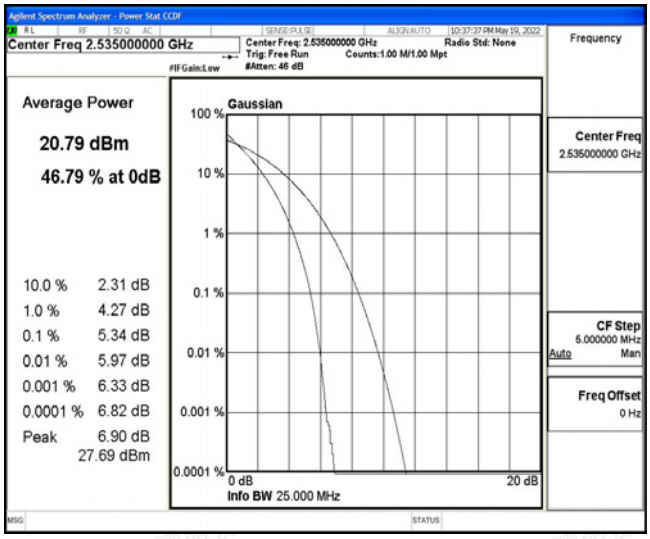
Band7-15MHz-16QAM-21375-75RB#0



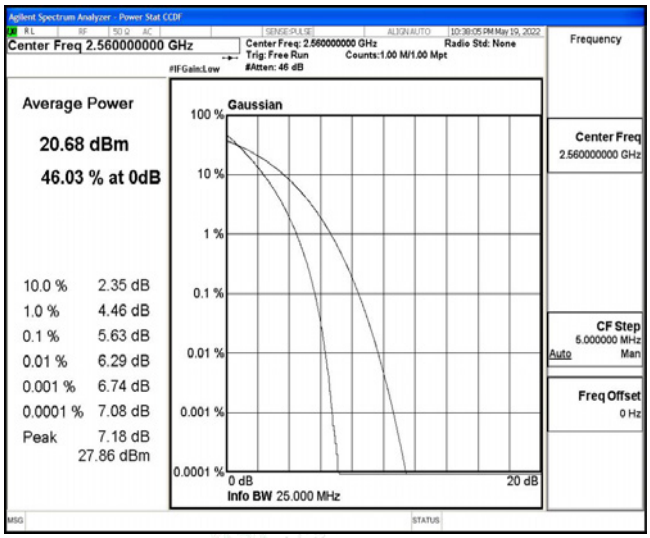
Band7-20MHz-QPSK-20850-100RB#0



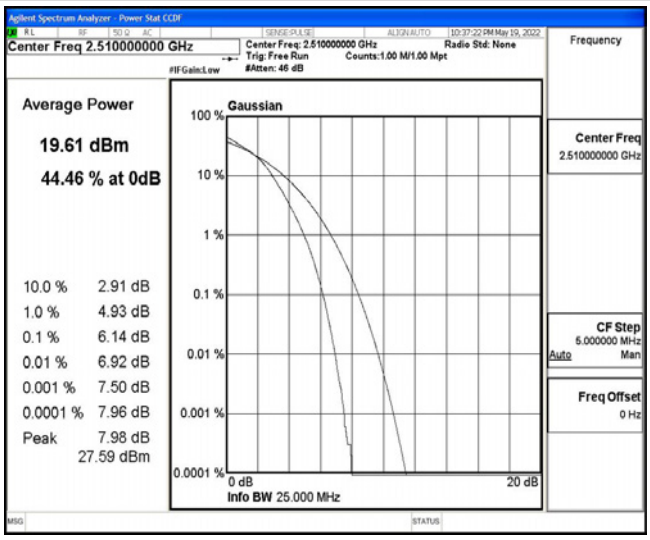
Band7-20MHz-QPSK-21100-100RB#0



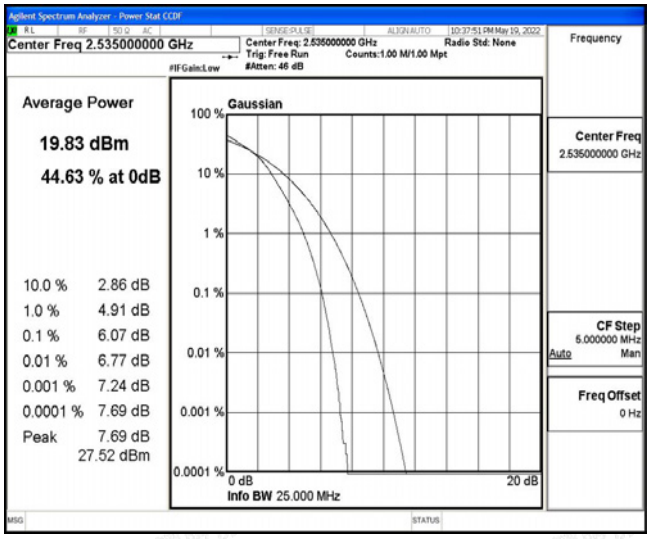
Band7-20MHz-QPSK-21350-100RB#0



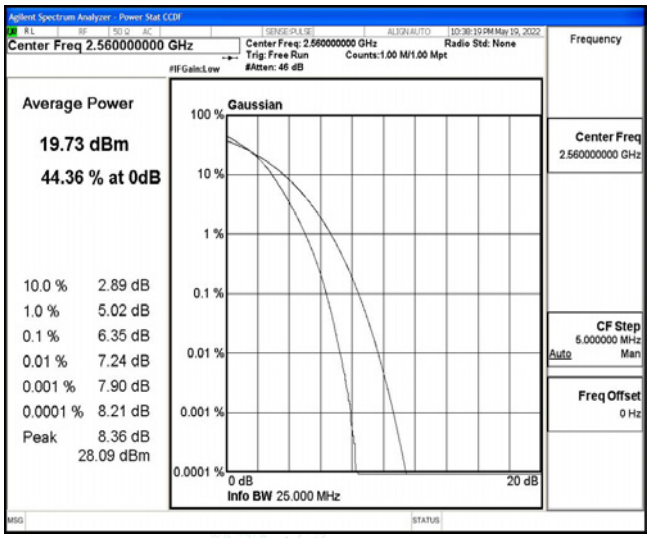
Band7-20MHz-16QAM-20850-100RB#0



Band7-20MHz-16QAM-21100-100RB#0



Band7-20MHz-16QAM-21350-100RB#0


Agilent Spectrum Analyzer - Power Stat CCDF
Center Freq 2.560000000 GHz
Center Freq: 2.560000000 GHz
Trig: Free Run
#Atten: 46 dB
Counts:1.00 M/1.00 Mpt
Radio Std: None
Frequency
Average Power
19.73 dBm
44.36 % at 0dB
10.0 % 2.89 dB
1.0 % 5.02 dB
0.1 % 6.35 dB
0.01 % 7.24 dB
0.001 % 7.90 dB
0.0001 % 8.21 dB
Peak 8.36 dB
28.09 dBm
Gaussian
100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %
0 dB
20 dB
Info BW 25.000 MHz
Center Freq
2.560000000 GHz
CF Step
5.000000 MHz
Auto Man
Freq Offset
0 Hz
MSG
STATUS

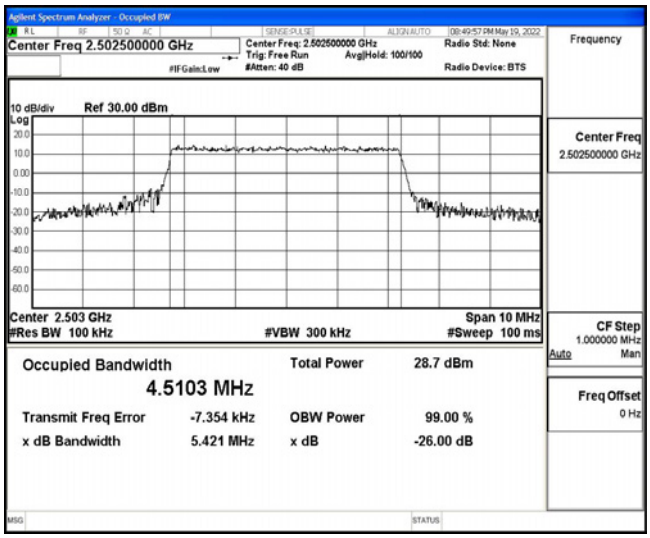
I.3 26dB Bandwidth and Occupied Bandwidth

Test Result

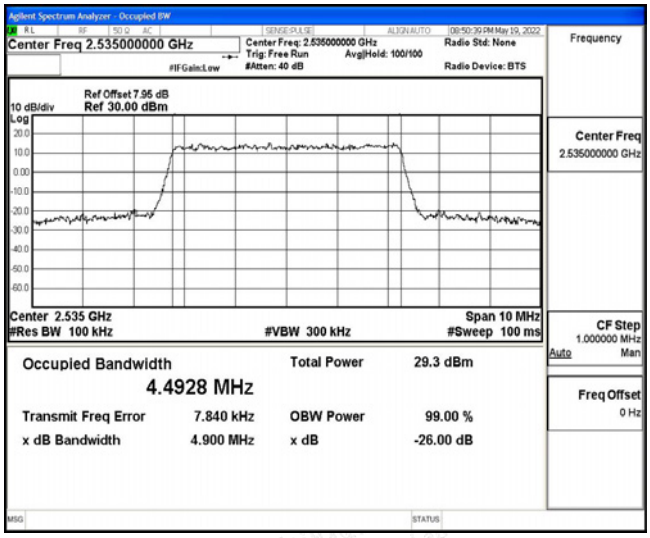
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.5103	5.421	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.4928	4.900	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.4921	4.904	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.4956	4.915	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.5018	4.952	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.5007	4.938	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.9936	9.804	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.9567	9.758	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.9834	9.740	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.9887	9.698	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.9858	9.813	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.9809	9.704	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.482	14.67	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.468	14.61	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.473	14.55	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.472	14.64	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.455	14.58	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.452	14.59	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.972	19.37	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.933	19.48	PASS
Band7	20MHz	QPSK	21350	100RB#0	18.004	19.37	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.948	19.30	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.912	19.25	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.993	19.48	PASS

Test Graphs

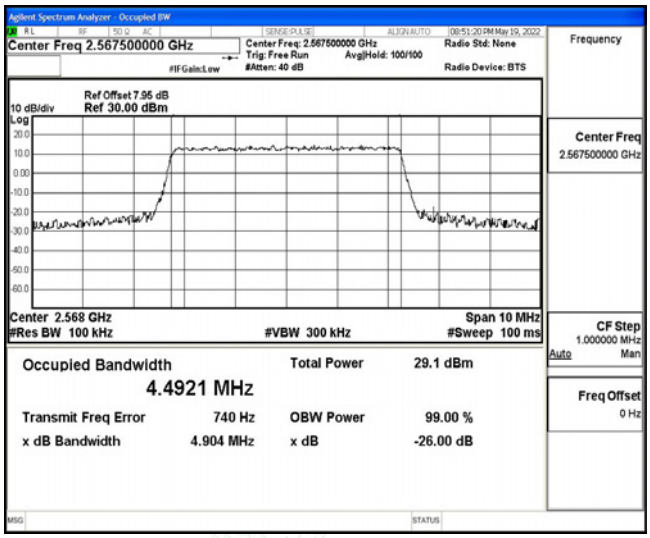
Band7-5MHz-QPSK-20775-25RB#0



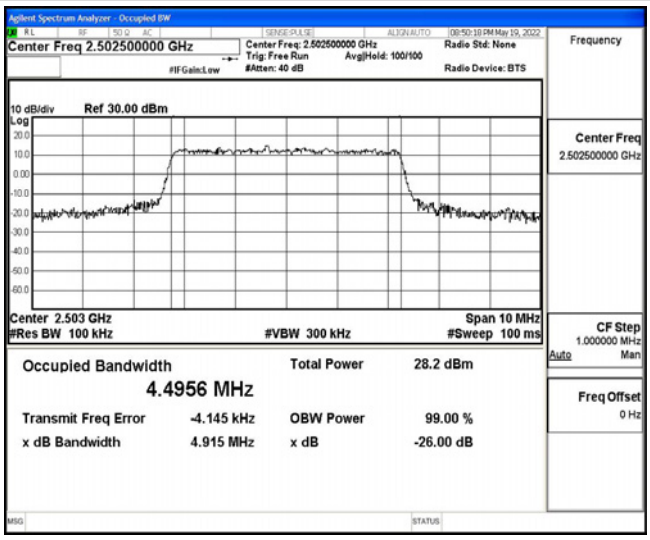
Band7-5MHz-QPSK-21100-25RB#0



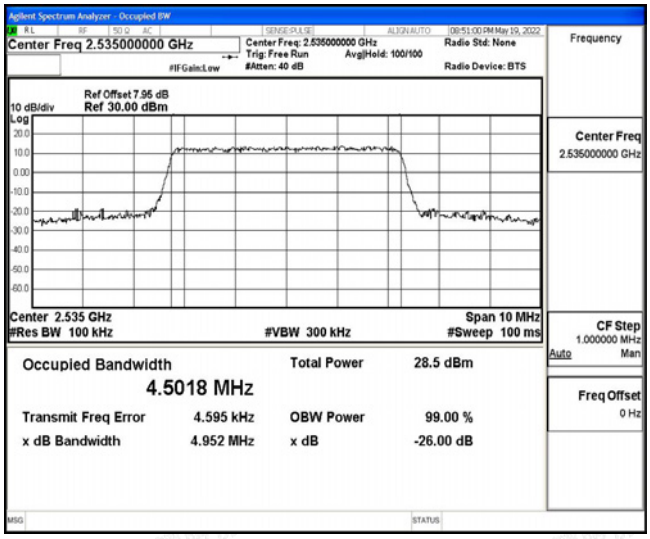
Band7-5MHz-QPSK-21425-25RB#0



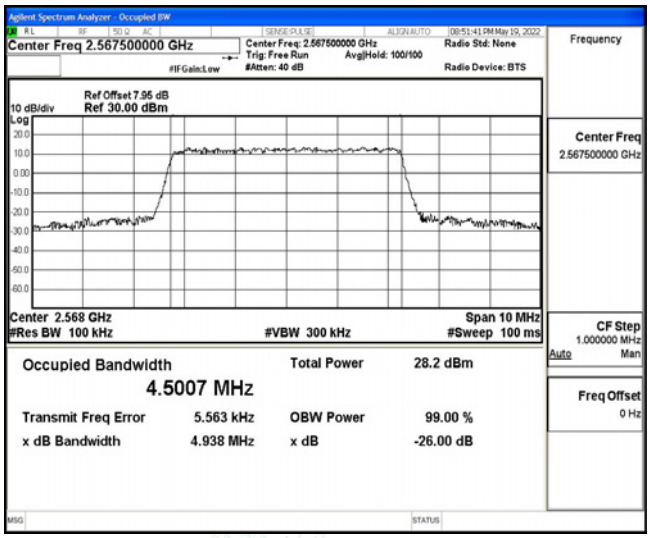
Band7-5MHz-16QAM-20775-25RB#0



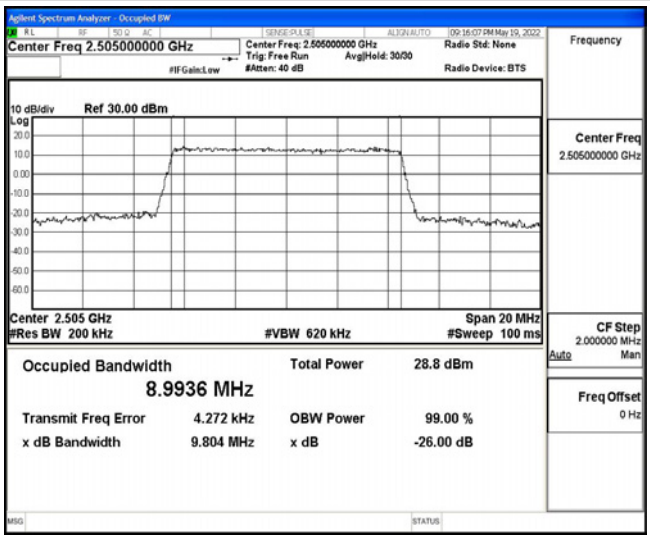
Band7-5MHz-16QAM-21100-25RB#0



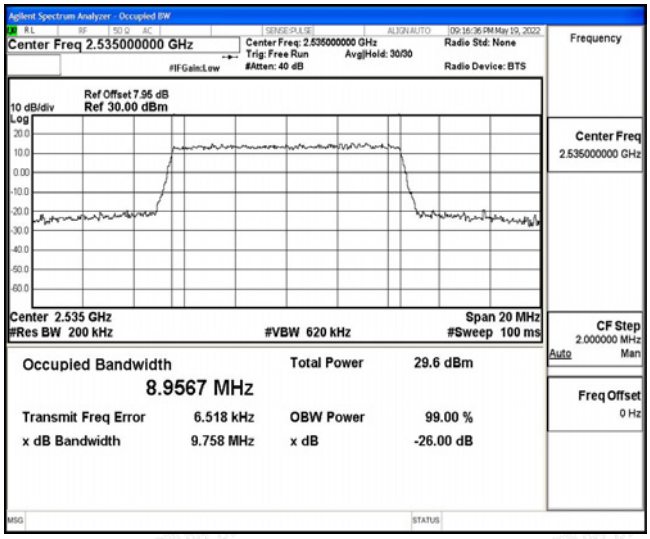
Band7-5MHz-16QAM-21425-25RB#0



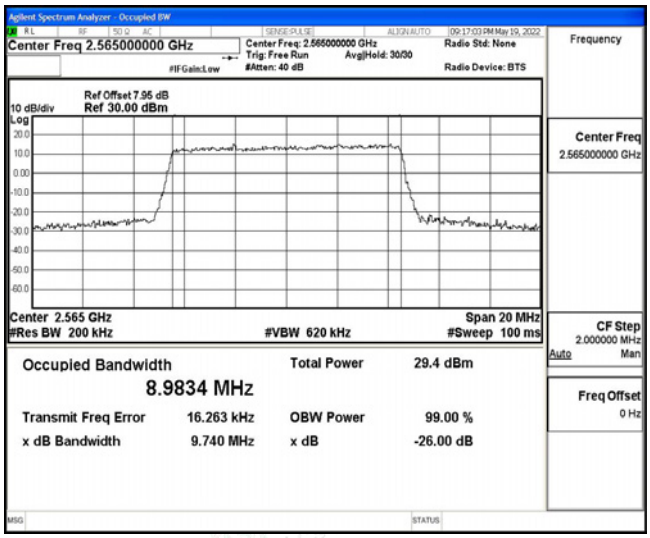
Band7-10MHz-QPSK-20800-50RB#0



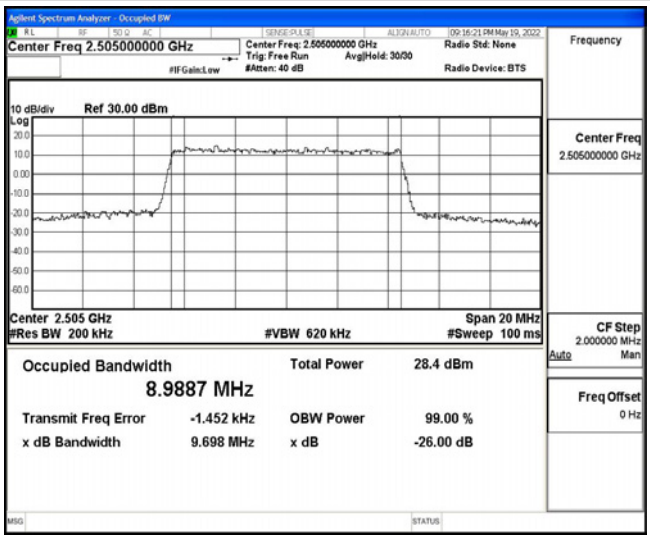
Band7-10MHz-QPSK-21100-50RB#0



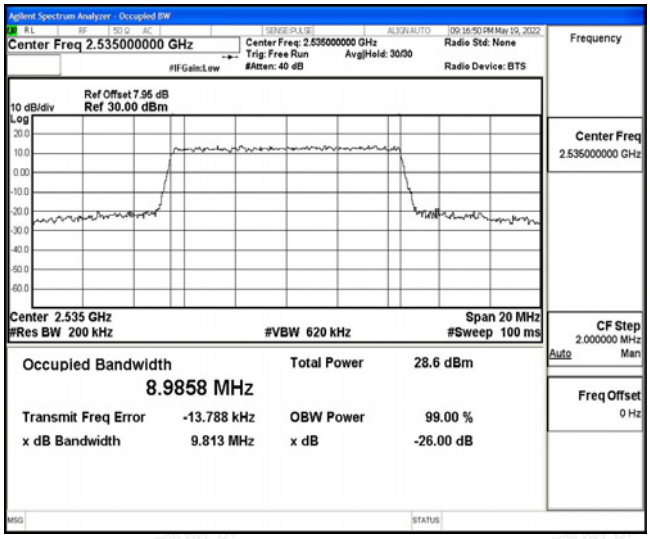
Band7-10MHz-QPSK-21400-50RB#0



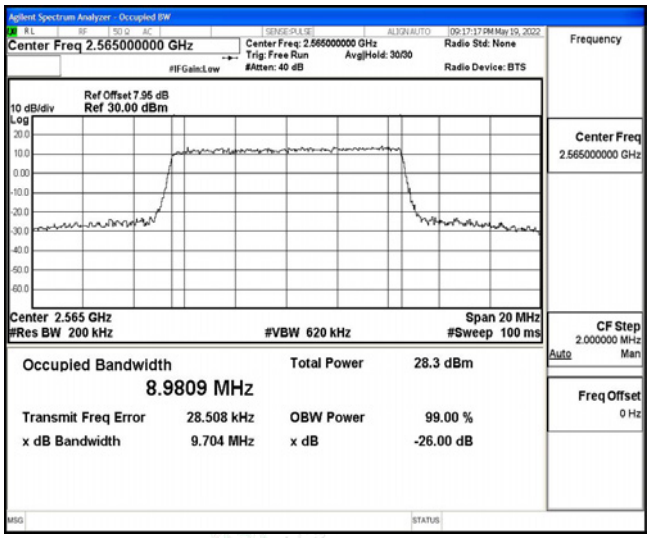
Band7-10MHz-16QAM-20800-50RB#0



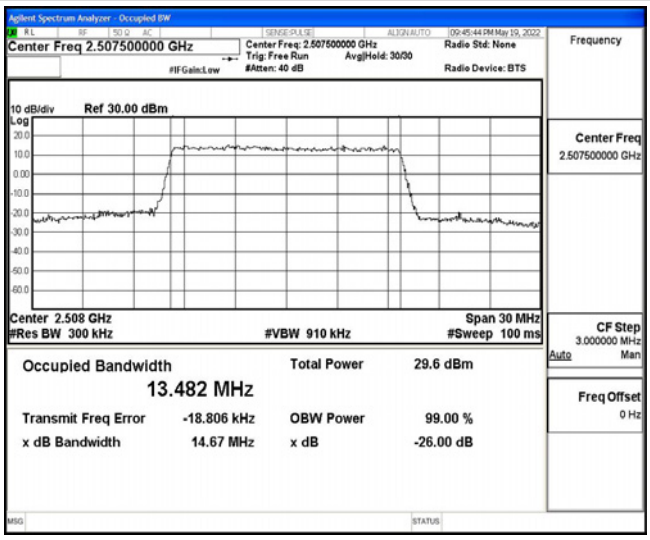
Band7-10MHz-16QAM-21100-50RB#0



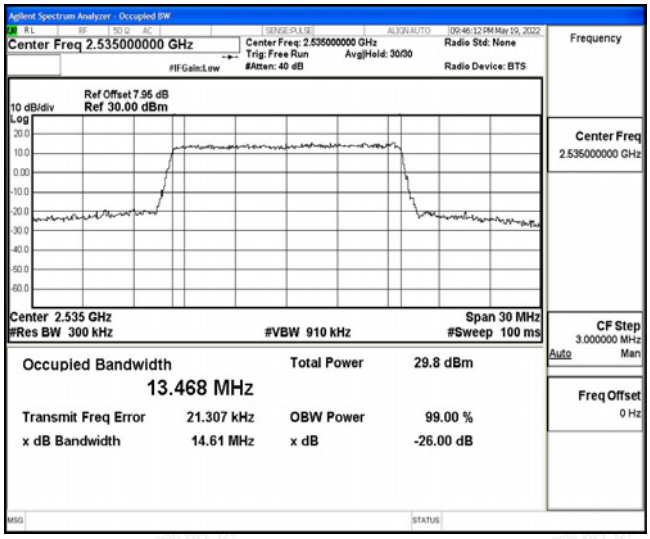
Band7-10MHz-16QAM-21400-50RB#0



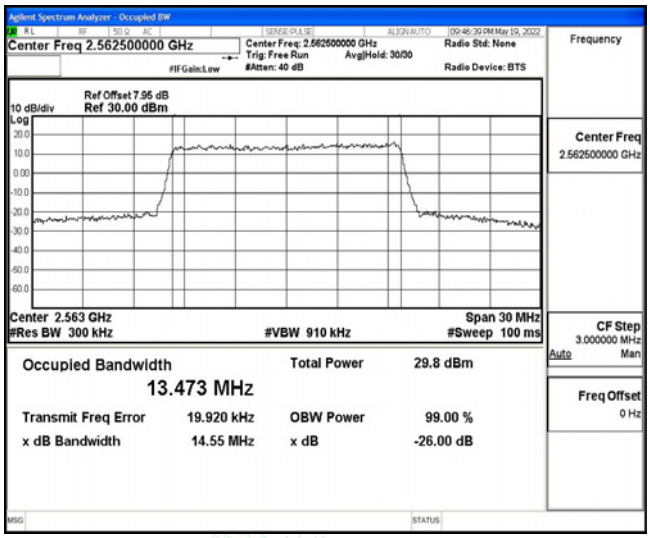
Band7-15MHz-QPSK-20825-75RB#0



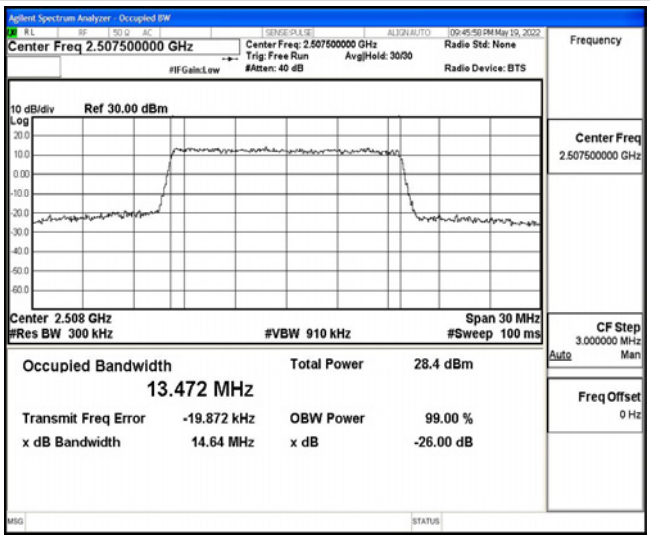
Band7-15MHz-QPSK-21100-75RB#0



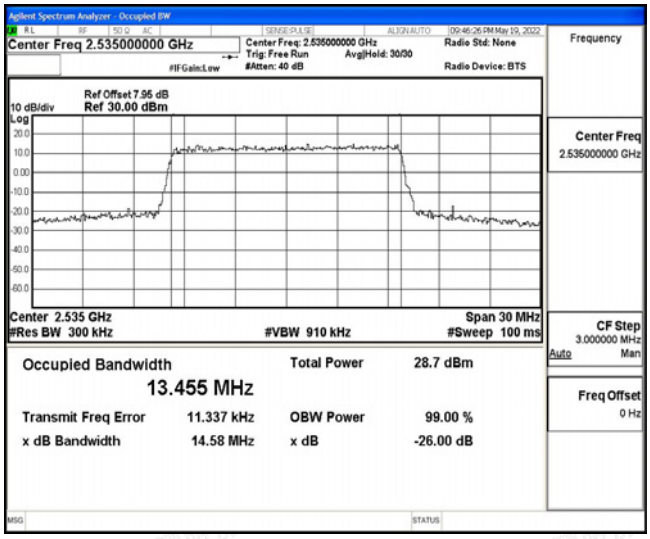
Band7-15MHz-QPSK-21375-75RB#0



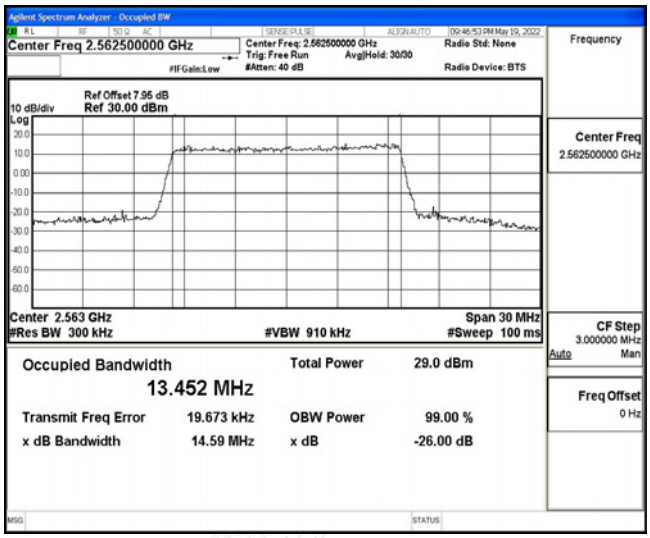
Band7-15MHz-16QAM-20825-75RB#0



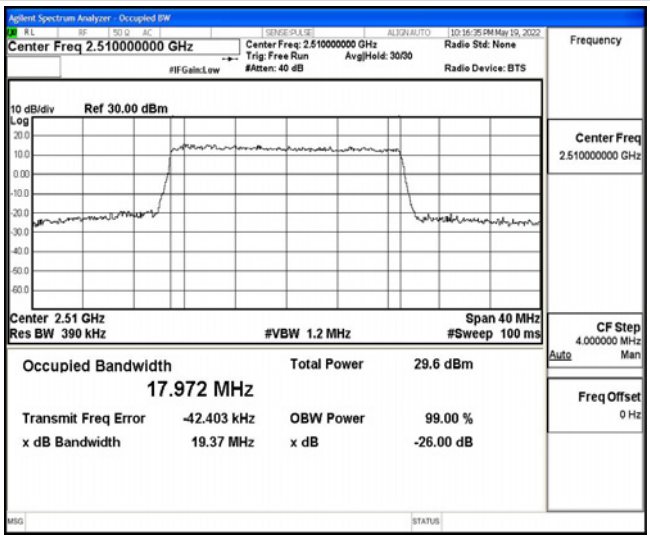
Band7-15MHz-16QAM-21100-75RB#0



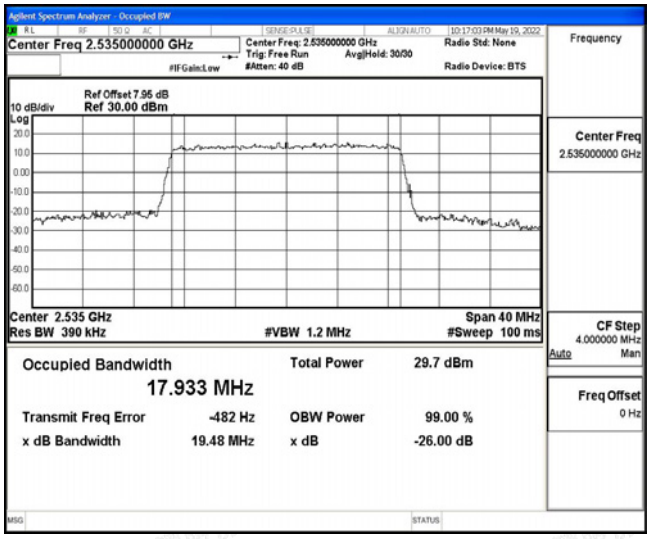
Band7-15MHz-16QAM-21375-75RB#0



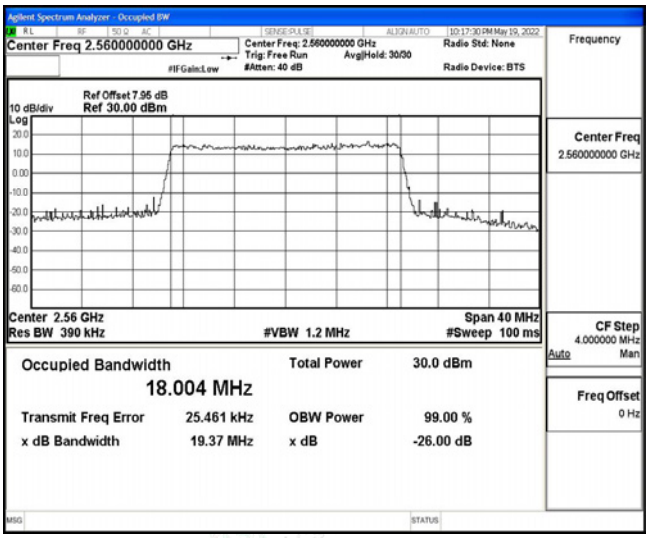
Band7-20MHz-QPSK-20850-100RB#0



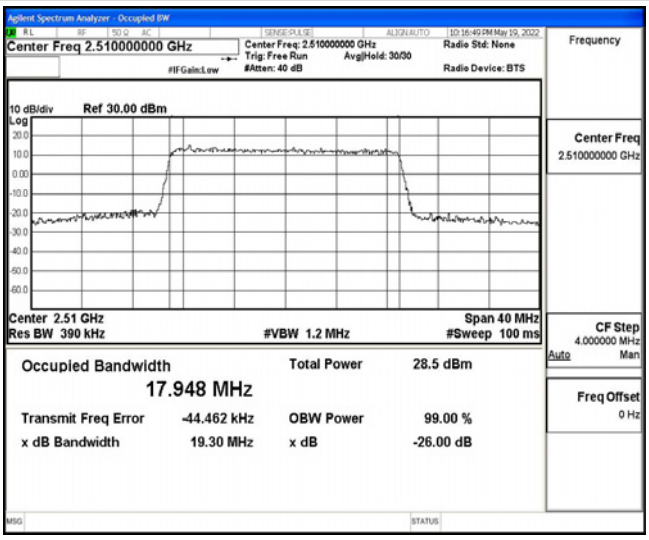
Band7-20MHz-QPSK-21100-100RB#0



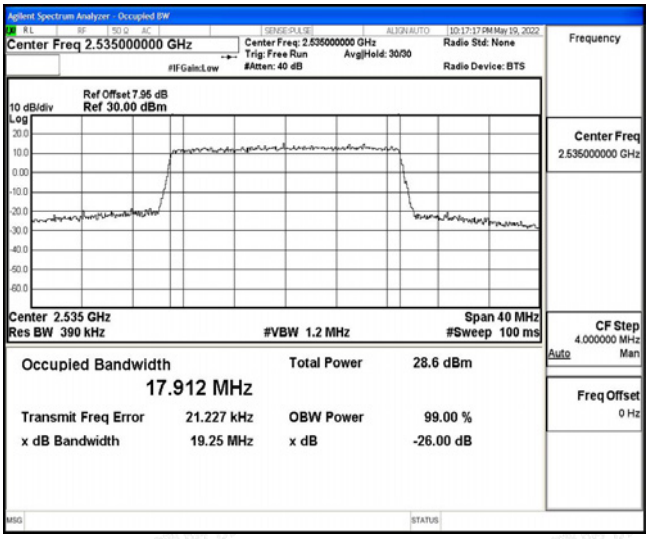
Band7-20MHz-QPSK-21350-100RB#0



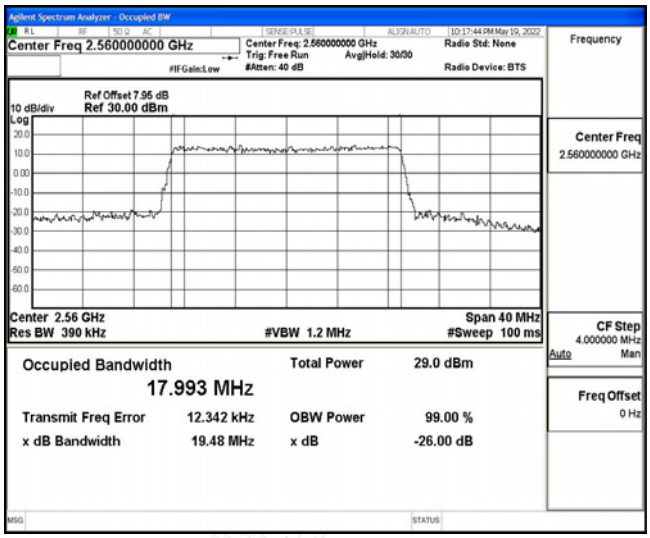
Band7-20MHz-16QAM-20850-100RB#0



Band7-20MHz-16QAM-21100-100RB#0



Band7-20MHz-16QAM-21350-100RB#0


Agilent Spectrum Analyzer - Occupied BW
Center Freq 2.560000000 GHz
Center Freq: 2.560000000 GHz
Trig: Free Run
Avg|Hold: 30/30
#Atten: 40 dB
Radio Std: None
Radio Device: BTS
10:17:44 PM May 19, 2022
Frequency
Ref Offset 7.95 dB
10 dB/div
Ref 30.00 dBm
Log
Center Freq
2.560000000 GHz
Center 2.56 GHz
Res BW 390 kHz
#VBW 1.2 MHz
Span 40 MHz
#Sweep 100 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
17.993 MHz
Total Power
29.0 dBm
Transmit Freq Error
12.342 kHz
OBW Power
99.00 %
x dB Bandwidth
19.48 MHz
x dB
-26.00 dB
Freq Offset
0 Hz
MSG
STATUS

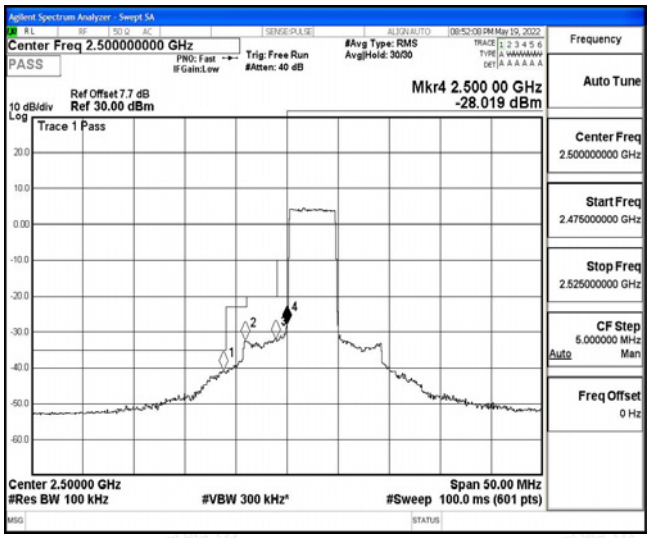
I.4 Band Edge

Test Result

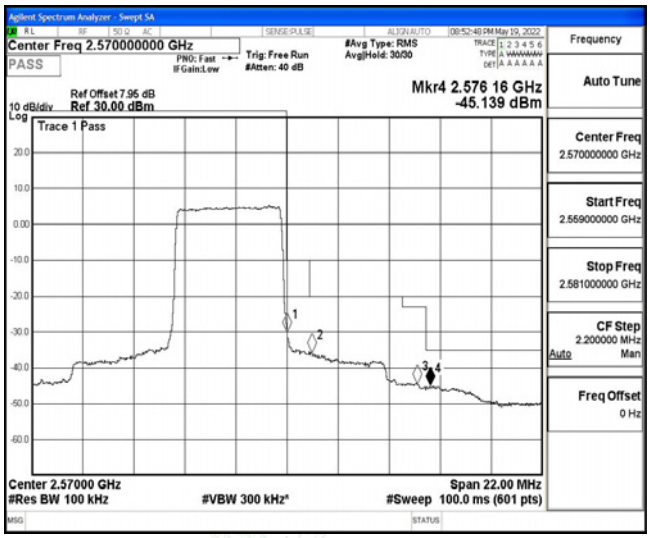
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	-40.68,-32.41,-31.95,-28.02	PASS
Band7	5MHz	QPSK	21425	25RB#0	-30.03,-35.74,-44.40,-45.14	PASS
Band7	5MHz	16QAM	20775	25RB#0	-41.43,-35.05,-31.47,-28.64	PASS
Band7	5MHz	16QAM	21425	25RB#0	-30.58,-36.45,-43.44,-44.84	PASS
Band7	10MHz	QPSK	20800	50RB#0	-40.45,-32.75,-31.88,-30.18	PASS
Band7	10MHz	QPSK	21400	50RB#0	-31.90,-34.96,-39.26,-46.30	PASS
Band7	10MHz	16QAM	20800	50RB#0	-39.70,-33.15,-31.48,-30.18	PASS
Band7	10MHz	16QAM	21400	50RB#0	-33.06,-35.76,-39.40,-45.09	PASS
Band7	15MHz	QPSK	20825	75RB#0	-33.03,-31.29,-28.70,-28.46	PASS
Band7	15MHz	QPSK	21375	75RB#0	-29.12,-29.96,-34.65,-45.01	PASS
Band7	15MHz	16QAM	20825	75RB#0	-35.15,-32.07,-30.40,-30.37	PASS
Band7	15MHz	16QAM	21375	75RB#0	-31.60,-32.31,-36.33,-44.46	PASS
Band7	20MHz	QPSK	20850	100RB#0	-35.49,-33.32,-31.83,-31.30	PASS
Band7	20MHz	QPSK	21350	100RB#0	-30.94,-32.28,-35.15,-45.37	PASS
Band7	20MHz	16QAM	20850	100RB#0	-34.70,-32.26,-30.10,-29.62	PASS
Band7	20MHz	16QAM	21350	100RB#0	-32.85,-33.67,-36.03,-44.87	PASS

Test Graphs

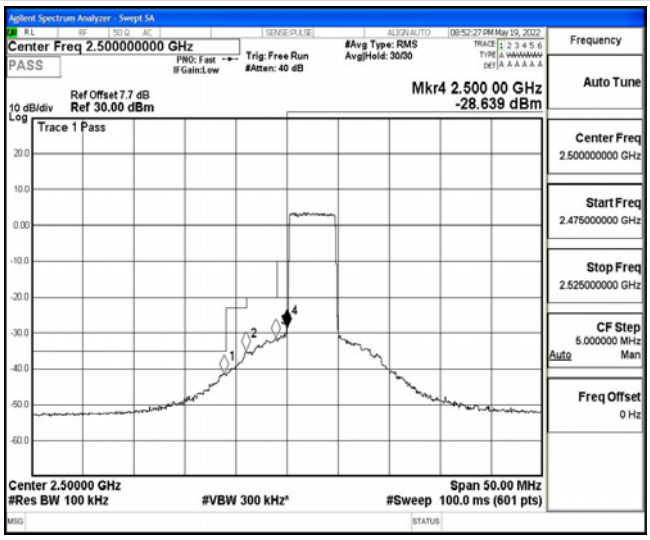
Band7-5MHz-QPSK-20775-25RB#0



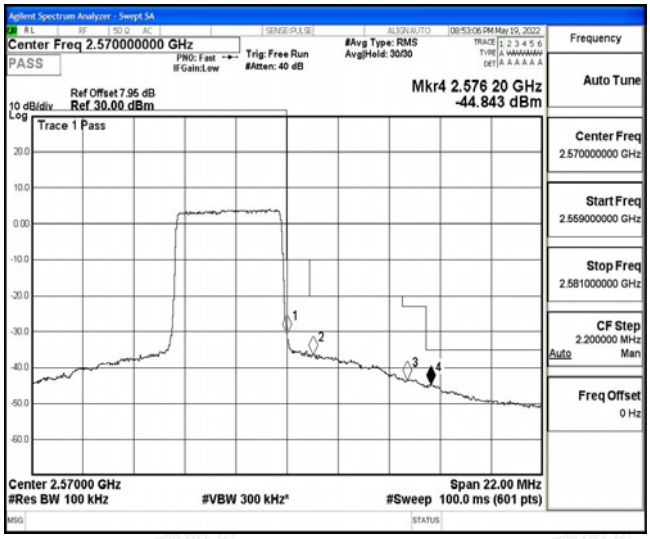
Band7-5MHz-QPSK-21425-25RB#0



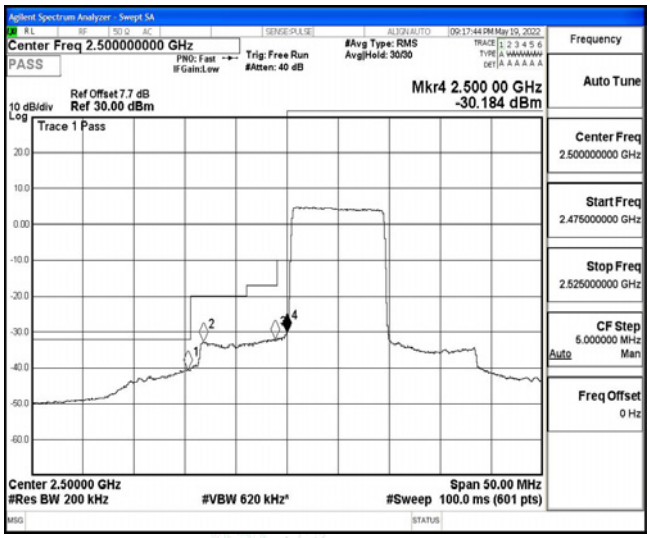
Band7-5MHz-16QAM-20775-25RB#0



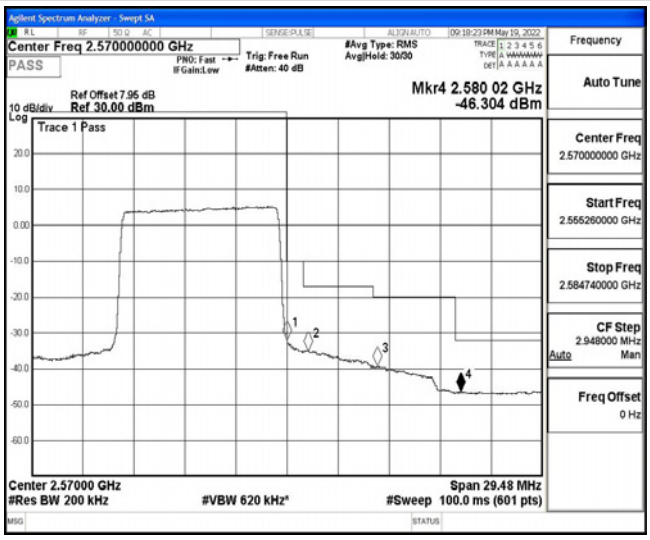
Band7-5MHz-16QAM-21425-25RB#0



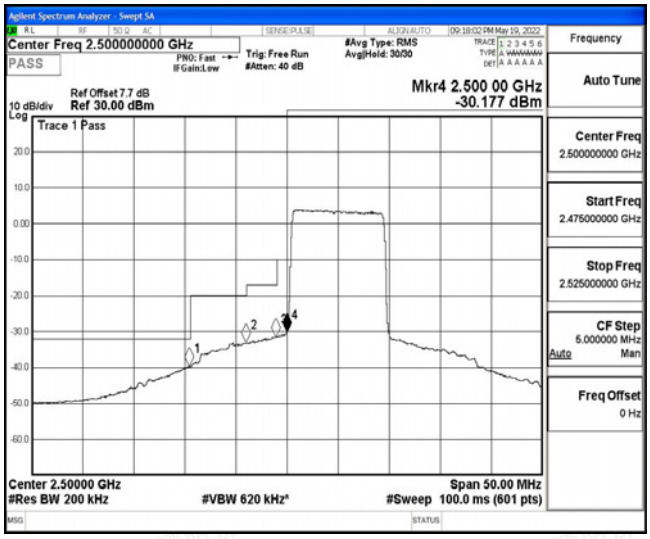
Band7-10MHz-QPSK-20800-50RB#0



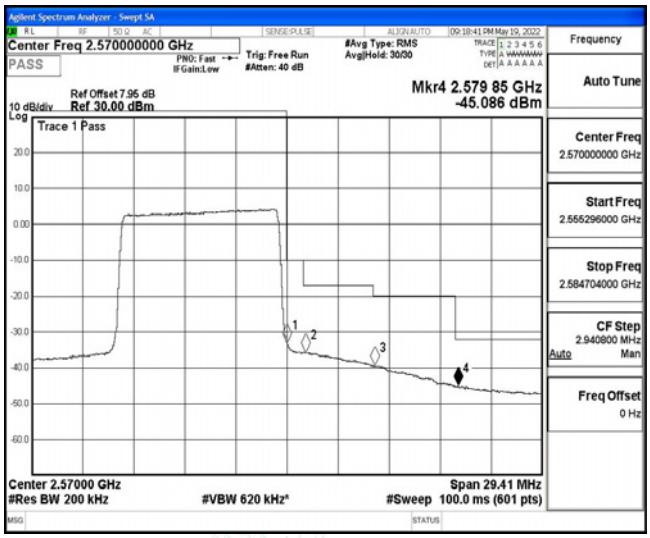
Band7-10MHz-QPSK-21400-50RB#0



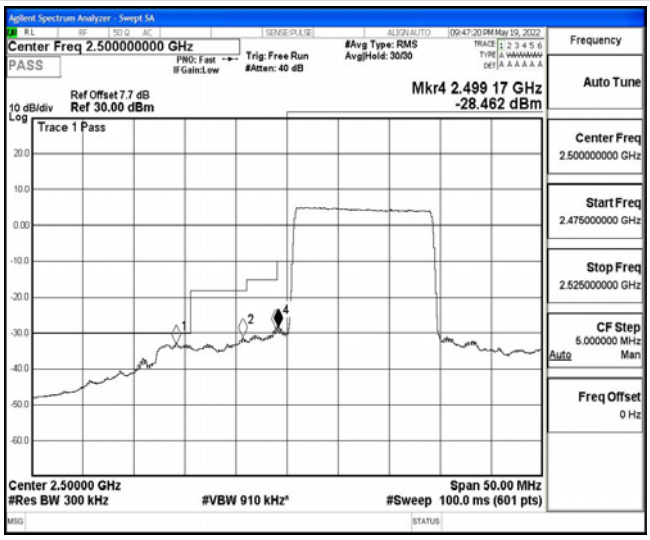
Band7-10MHz-16QAM-20800-50RB#0



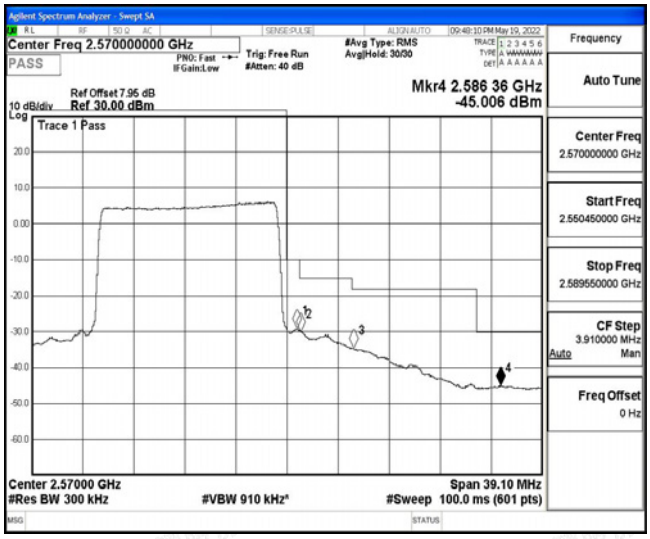
Band7-10MHz-16QAM-21400-50RB#0



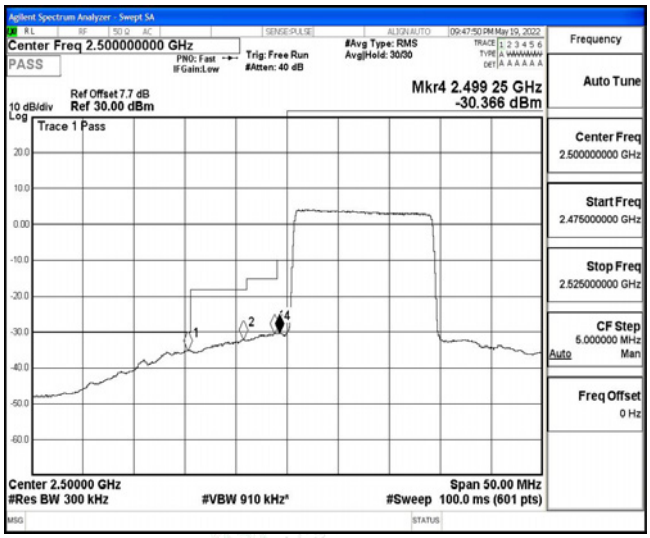
Band7-15MHz-QPSK-20825-75RB#0



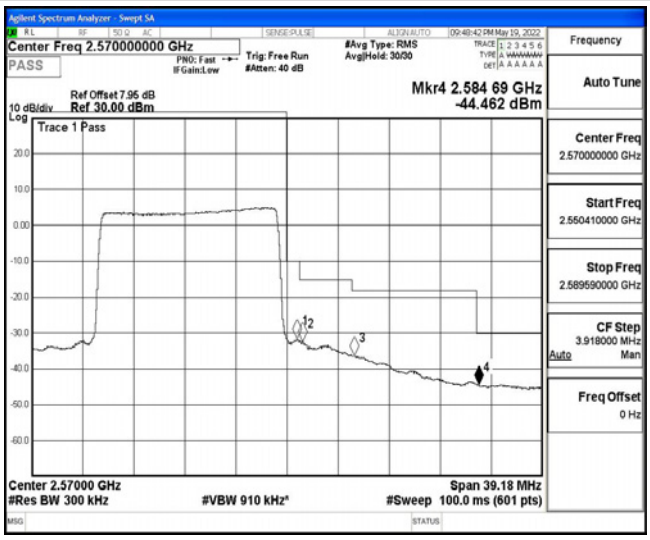
Band7-15MHz-QPSK-21375-75RB#0



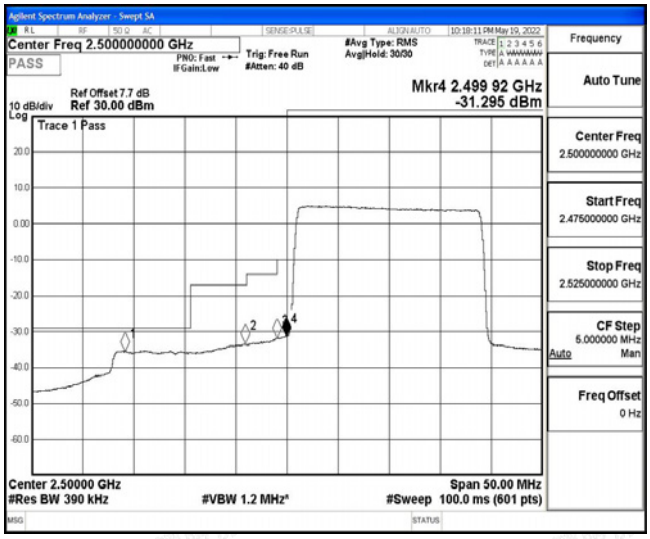
Band7-15MHz-16QAM-20825-75RB#0



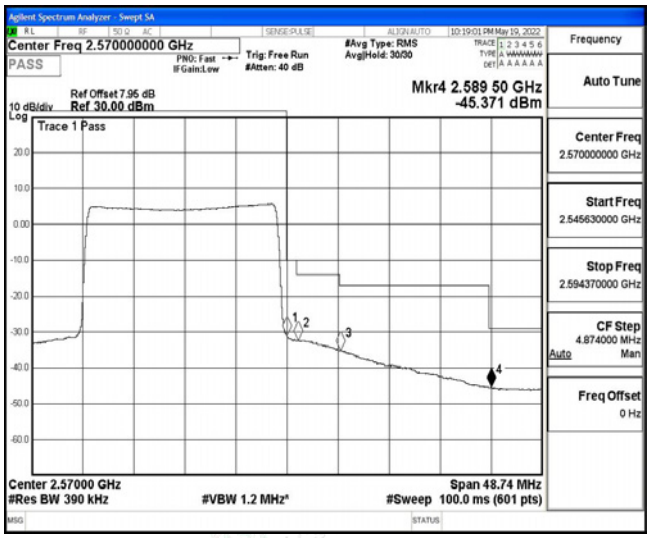
Band7-15MHz-16QAM-21375-75RB#0



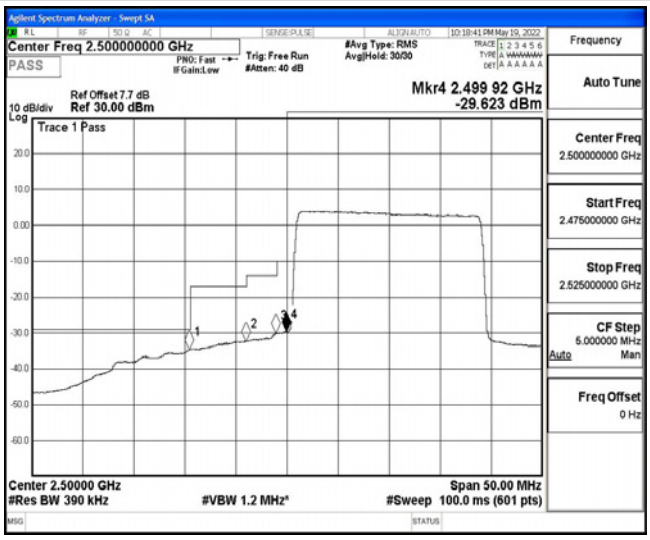
Band7-20MHz-QPSK-20850-100RB#0



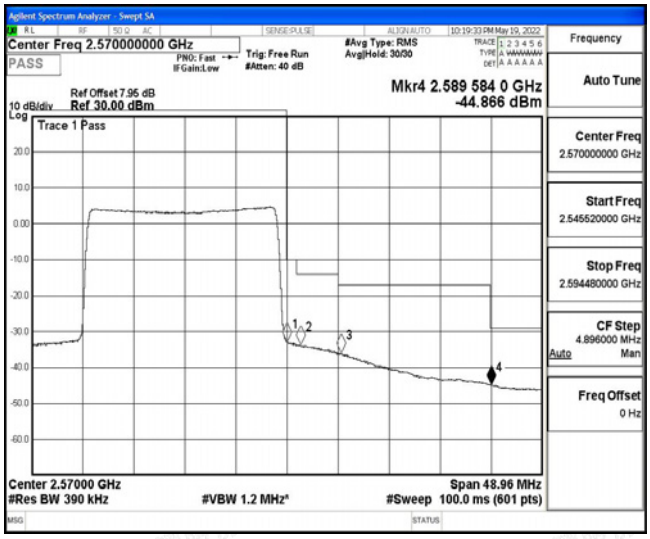
Band7-20MHz-QPSK-21350-100RB#0



Band7-20MHz-16QAM-20850-100RB#0



Band7-20MHz-16QAM-21350-100RB#0



I.5 Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	Range1:0.009~0.15MHz	-65.8	PASS
Band7	5MHz	QPSK	20775	1RB#0	Range2:0.15~30MHz	-51.23	PASS
Band7	5MHz	QPSK	20775	1RB#0	Range3:30~1000MHz	-41.9	PASS
Band7	5MHz	QPSK	20775	1RB#0	Range4:1000~10000MHz	-45	PASS
Band7	5MHz	QPSK	20775	1RB#0	Range5:10000~20000MHz	-49.27	PASS
Band7	5MHz	QPSK	20775	1RB#0	Range6:20000~26500MHz	-37.09	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range1:0.009~0.15MHz	-66.37	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range2:0.15~30MHz	-50.03	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range3:30~1000MHz	-42.38	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range4:1000~10000MHz	-44.99	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range5:10000~20000MHz	-49.28	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range6:20000~26500MHz	-36.98	PASS
Band7	5MHz	QPSK	21425	1RB#0	Range1:0.009~0.15MHz	-64.69	PASS
Band7	5MHz	QPSK	21425	1RB#0	Range2:0.15~30MHz	-50.17	PASS
Band7	5MHz	QPSK	21425	1RB#0	Range3:30~1000MHz	-41.85	PASS
Band7	5MHz	QPSK	21425	1RB#0	Range4:1000~10000MHz	-45.02	PASS
Band7	5MHz	QPSK	21425	1RB#0	Range5:10000~20000MHz	-49.2	PASS
Band7	5MHz	QPSK	21425	1RB#0	Range6:20000~26500MHz	-37.16	PASS
Band7	5MHz	16QAM	20775	1RB#0	Range1:0.009~0.15MHz	-64	PASS
Band7	5MHz	16QAM	20775	1RB#0	Range2:0.15~30MHz	-52.5	PASS
Band7	5MHz	16QAM	20775	1RB#0	Range3:30~1000MHz	-42.38	PASS
Band7	5MHz	16QAM	20775	1RB#0	Range4:1000~10000MHz	-44.94	PASS
Band7	5MHz	16QAM	20775	1RB#0	Range5:10000~20000MHz	-49.2	PASS
Band7	5MHz	16QAM	20775	1RB#0	Range6:20000~26500MHz	-37.21	PASS
Band7	5MHz	16QAM	21100	1RB#0	Range1:0.009~0.15MHz	-65.65	PASS
Band7	5MHz	16QAM	21100	1RB#0	Range2:0.15~30MHz	-51.91	PASS
Band7	5MHz	16QAM	21100	1RB#0	Range3:30~1000MHz	-41.62	PASS
Band7	5MHz	16QAM	21100	1RB#0	Range4:1000~10000MHz	-44.95	PASS
Band7	5MHz	16QAM	21100	1RB#0	Range5:10000~20000MHz	-49.08	PASS
Band7	5MHz	16QAM	21100	1RB#0	Range6:20000~26500MHz	-36.95	PASS
Band7	5MHz	16QAM	21425	1RB#0	Range1:0.009~0.15MHz	-65.82	PASS
Band7	5MHz	16QAM	21425	1RB#0	Range2:0.15~30MHz	-52.05	PASS
Band7	5MHz	16QAM	21425	1RB#0	Range3:30~1000MHz	-41.94	PASS
Band7	5MHz	16QAM	21425	1RB#0	Range4:1000~10000MHz	-44.95	PASS
Band7	5MHz	16QAM	21425	1RB#0	Range5:10000~20000MHz	-49.1	PASS

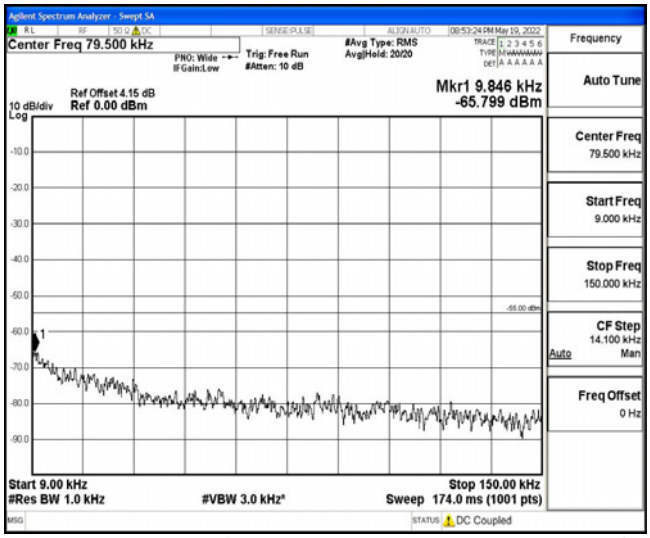
Band7	5MHz	16QAM	21425	1RB#0	Range6:20000~26500MHz	-37.07	PASS
Band7	10MHz	QPSK	20800	1RB#0	Range1:0.009~0.15MHz	-64.23	PASS
Band7	10MHz	QPSK	20800	1RB#0	Range2:0.15~30MHz	-52.07	PASS
Band7	10MHz	QPSK	20800	1RB#0	Range3:30~1000MHz	-41.22	PASS
Band7	10MHz	QPSK	20800	1RB#0	Range4:1000~10000MHz	-44.97	PASS
Band7	10MHz	QPSK	20800	1RB#0	Range5:10000~20000MHz	-49.28	PASS
Band7	10MHz	QPSK	20800	1RB#0	Range6:20000~26500MHz	-37.14	PASS
Band7	10MHz	QPSK	21100	1RB#0	Range1:0.009~0.15MHz	-66.08	PASS
Band7	10MHz	QPSK	21100	1RB#0	Range2:0.15~30MHz	-52.09	PASS
Band7	10MHz	QPSK	21100	1RB#0	Range3:30~1000MHz	-41.55	PASS
Band7	10MHz	QPSK	21100	1RB#0	Range4:1000~10000MHz	-44.94	PASS
Band7	10MHz	QPSK	21100	1RB#0	Range5:10000~20000MHz	-49.34	PASS
Band7	10MHz	QPSK	21100	1RB#0	Range6:20000~26500MHz	-37.01	PASS
Band7	10MHz	QPSK	21400	1RB#0	Range1:0.009~0.15MHz	-65.28	PASS
Band7	10MHz	QPSK	21400	1RB#0	Range2:0.15~30MHz	-51.63	PASS
Band7	10MHz	QPSK	21400	1RB#0	Range3:30~1000MHz	-41.9	PASS
Band7	10MHz	QPSK	21400	1RB#0	Range4:1000~10000MHz	-44.99	PASS
Band7	10MHz	QPSK	21400	1RB#0	Range5:10000~20000MHz	-49.12	PASS
Band7	10MHz	QPSK	21400	1RB#0	Range6:20000~26500MHz	-37.05	PASS
Band7	10MHz	16QAM	20800	1RB#0	Range1:0.009~0.15MHz	-65.49	PASS
Band7	10MHz	16QAM	20800	1RB#0	Range2:0.15~30MHz	-50.55	PASS
Band7	10MHz	16QAM	20800	1RB#0	Range3:30~1000MHz	-41.99	PASS
Band7	10MHz	16QAM	20800	1RB#0	Range4:1000~10000MHz	-44.95	PASS
Band7	10MHz	16QAM	20800	1RB#0	Range5:10000~20000MHz	-49.26	PASS
Band7	10MHz	16QAM	20800	1RB#0	Range6:20000~26500MHz	-37.13	PASS
Band7	10MHz	16QAM	21100	1RB#0	Range1:0.009~0.15MHz	-64.78	PASS
Band7	10MHz	16QAM	21100	1RB#0	Range2:0.15~30MHz	-50.8	PASS
Band7	10MHz	16QAM	21100	1RB#0	Range3:30~1000MHz	-41.88	PASS
Band7	10MHz	16QAM	21100	1RB#0	Range4:1000~10000MHz	-44.99	PASS
Band7	10MHz	16QAM	21100	1RB#0	Range5:10000~20000MHz	-49.19	PASS
Band7	10MHz	16QAM	21100	1RB#0	Range6:20000~26500MHz	-37.1	PASS
Band7	10MHz	16QAM	21400	1RB#0	Range1:0.009~0.15MHz	-65.41	PASS
Band7	10MHz	16QAM	21400	1RB#0	Range2:0.15~30MHz	-51.09	PASS
Band7	10MHz	16QAM	21400	1RB#0	Range3:30~1000MHz	-42.32	PASS
Band7	10MHz	16QAM	21400	1RB#0	Range4:1000~10000MHz	-45.08	PASS
Band7	10MHz	16QAM	21400	1RB#0	Range5:10000~20000MHz	-49.14	PASS
Band7	10MHz	16QAM	21400	1RB#0	Range6:20000~26500MHz	-37.1	PASS
Band7	15MHz	QPSK	20825	1RB#0	Range1:0.009~0.15MHz	-66.07	PASS
Band7	15MHz	QPSK	20825	1RB#0	Range2:0.15~30MHz	-51.61	PASS
Band7	15MHz	QPSK	20825	1RB#0	Range3:30~1000MHz	-41.95	PASS
Band7	15MHz	QPSK	20825	1RB#0	Range4:1000~10000MHz	-45.02	PASS
Band7	15MHz	QPSK	20825	1RB#0	Range5:10000~20000MHz	-49.24	PASS
Band7	15MHz	QPSK	20825	1RB#0	Range6:20000~26500MHz	-37.15	PASS

Band7	15MHz	QPSK	21100	1RB#0	Range1:0.009~0.15MHz	-64.5	PASS
Band7	15MHz	QPSK	21100	1RB#0	Range2:0.15~30MHz	-50.53	PASS
Band7	15MHz	QPSK	21100	1RB#0	Range3:30~1000MHz	-41.13	PASS
Band7	15MHz	QPSK	21100	1RB#0	Range4:1000~10000MHz	-44.76	PASS
Band7	15MHz	QPSK	21100	1RB#0	Range5:10000~20000MHz	-49.16	PASS
Band7	15MHz	QPSK	21100	1RB#0	Range6:20000~26500MHz	-36.95	PASS
Band7	15MHz	QPSK	21375	1RB#0	Range1:0.009~0.15MHz	-66.22	PASS
Band7	15MHz	QPSK	21375	1RB#0	Range2:0.15~30MHz	-51.23	PASS
Band7	15MHz	QPSK	21375	1RB#0	Range3:30~1000MHz	-42.07	PASS
Band7	15MHz	QPSK	21375	1RB#0	Range4:1000~10000MHz	-44.99	PASS
Band7	15MHz	QPSK	21375	1RB#0	Range5:10000~20000MHz	-49.28	PASS
Band7	15MHz	QPSK	21375	1RB#0	Range6:20000~26500MHz	-36.98	PASS
Band7	15MHz	16QAM	20825	1RB#0	Range1:0.009~0.15MHz	-64.62	PASS
Band7	15MHz	16QAM	20825	1RB#0	Range2:0.15~30MHz	-50.66	PASS
Band7	15MHz	16QAM	20825	1RB#0	Range3:30~1000MHz	-41.15	PASS
Band7	15MHz	16QAM	20825	1RB#0	Range4:1000~10000MHz	-45.07	PASS
Band7	15MHz	16QAM	20825	1RB#0	Range5:10000~20000MHz	-49.29	PASS
Band7	15MHz	16QAM	20825	1RB#0	Range6:20000~26500MHz	-37.05	PASS
Band7	15MHz	16QAM	21100	1RB#0	Range1:0.009~0.15MHz	-66.44	PASS
Band7	15MHz	16QAM	21100	1RB#0	Range2:0.15~30MHz	-50.49	PASS
Band7	15MHz	16QAM	21100	1RB#0	Range3:30~1000MHz	-41.03	PASS
Band7	15MHz	16QAM	21100	1RB#0	Range4:1000~10000MHz	-44.97	PASS
Band7	15MHz	16QAM	21100	1RB#0	Range5:10000~20000MHz	-49.11	PASS
Band7	15MHz	16QAM	21100	1RB#0	Range6:20000~26500MHz	-36.9	PASS
Band7	15MHz	16QAM	21375	1RB#0	Range1:0.009~0.15MHz	-64.77	PASS
Band7	15MHz	16QAM	21375	1RB#0	Range2:0.15~30MHz	-52.16	PASS
Band7	15MHz	16QAM	21375	1RB#0	Range3:30~1000MHz	-41.47	PASS
Band7	15MHz	16QAM	21375	1RB#0	Range4:1000~10000MHz	-44.91	PASS
Band7	15MHz	16QAM	21375	1RB#0	Range5:10000~20000MHz	-49.15	PASS
Band7	15MHz	16QAM	21375	1RB#0	Range6:20000~26500MHz	-37.02	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range1:0.009~0.15MHz	-65.02	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range2:0.15~30MHz	-52.38	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range3:30~1000MHz	-42.62	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range4:1000~10000MHz	-44.84	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range5:10000~20000MHz	-49.18	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range6:20000~26500MHz	-36.92	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range1:0.009~0.15MHz	-65.17	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range2:0.15~30MHz	-52.17	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range3:30~1000MHz	-40.74	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range4:1000~10000MHz	-44.95	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range5:10000~20000MHz	-49.12	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range6:20000~26500MHz	-36.81	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range1:0.009~0.15MHz	-66.18	PASS

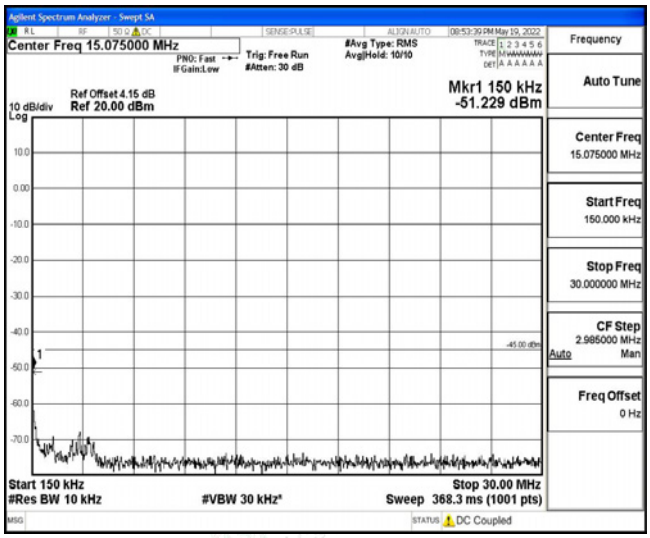
Band7	20MHz	QPSK	21350	1RB#0	Range2:0.15~30MHz	-50.65	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range3:30~1000MHz	-43.36	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range4:1000~10000MHz	-44.88	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range5:10000~20000MHz	-49.14	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range6:20000~26500MHz	-36.73	PASS
Band7	20MHz	16QAM	20850	1RB#0	Range1:0.009~0.15MHz	-66.2	PASS
Band7	20MHz	16QAM	20850	1RB#0	Range2:0.15~30MHz	-53.23	PASS
Band7	20MHz	16QAM	20850	1RB#0	Range3:30~1000MHz	-42	PASS
Band7	20MHz	16QAM	20850	1RB#0	Range4:1000~10000MHz	-44.98	PASS
Band7	20MHz	16QAM	20850	1RB#0	Range5:10000~20000MHz	-49.1	PASS
Band7	20MHz	16QAM	20850	1RB#0	Range6:20000~26500MHz	-36.92	PASS
Band7	20MHz	16QAM	21100	1RB#0	Range1:0.009~0.15MHz	-64.23	PASS
Band7	20MHz	16QAM	21100	1RB#0	Range2:0.15~30MHz	-51.4	PASS
Band7	20MHz	16QAM	21100	1RB#0	Range3:30~1000MHz	-41.52	PASS
Band7	20MHz	16QAM	21100	1RB#0	Range4:1000~10000MHz	-44.9	PASS
Band7	20MHz	16QAM	21100	1RB#0	Range5:10000~20000MHz	-49.19	PASS
Band7	20MHz	16QAM	21100	1RB#0	Range6:20000~26500MHz	-36.89	PASS
Band7	20MHz	16QAM	21350	1RB#0	Range1:0.009~0.15MHz	-64.86	PASS
Band7	20MHz	16QAM	21350	1RB#0	Range2:0.15~30MHz	-51.08	PASS
Band7	20MHz	16QAM	21350	1RB#0	Range3:30~1000MHz	-42.61	PASS
Band7	20MHz	16QAM	21350	1RB#0	Range4:1000~10000MHz	-45.05	PASS
Band7	20MHz	16QAM	21350	1RB#0	Range5:10000~20000MHz	-49.15	PASS
Band7	20MHz	16QAM	21350	1RB#0	Range6:20000~26500MHz	-36.66	PASS

Test Graphs

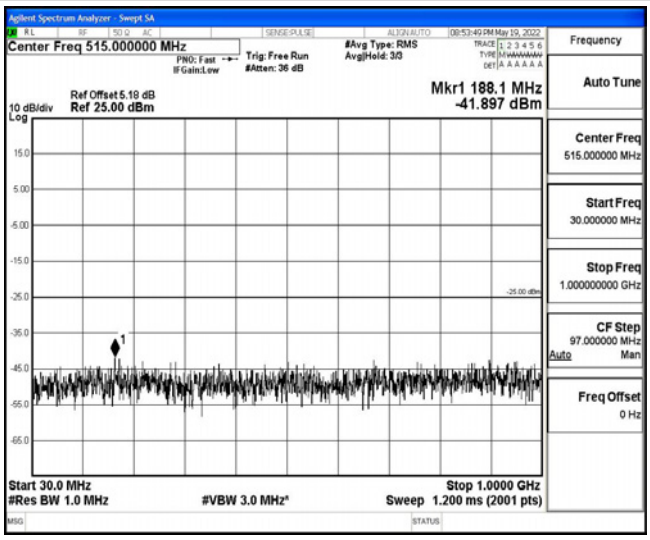
Band7-5MHz-QPSK-20775-1RB#0-Range1:0.009~0.15MHz



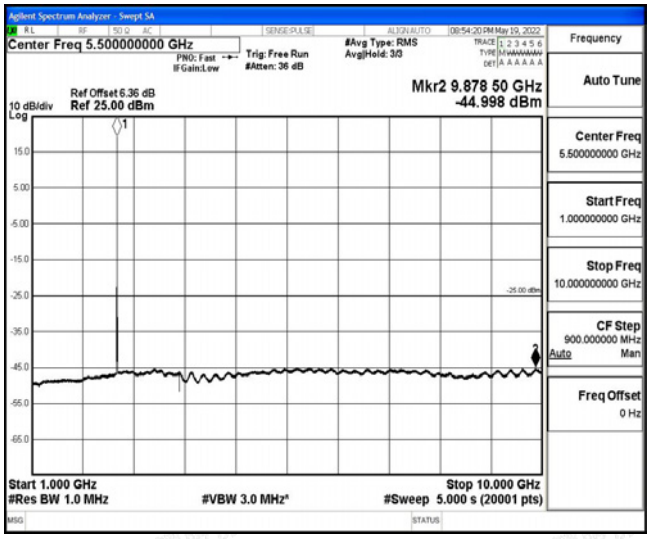
Band7-5MHz-QPSK-20775-1RB#0-Range2:0.15~30MHz



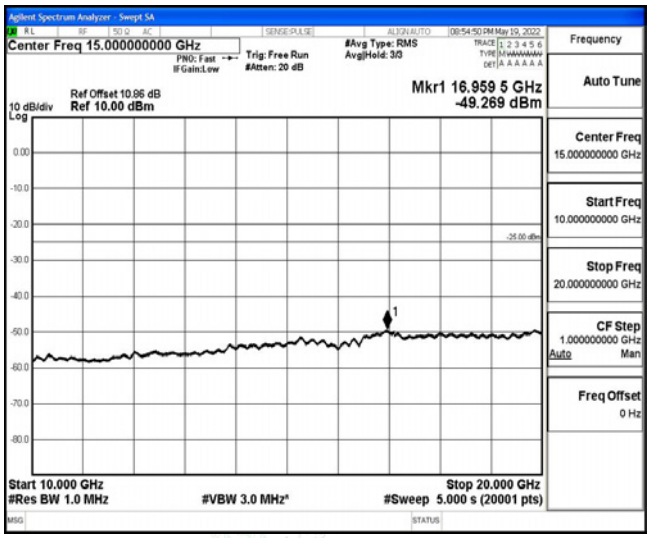
Band7-5MHz-QPSK-20775-1RB#0-Range3:30~1000MHz



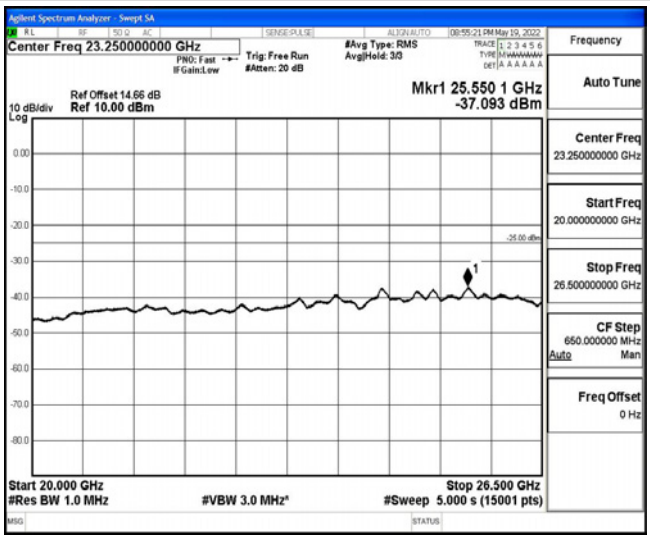
Band7-5MHz-QPSK-20775-1RB#0-Range4:1000~10000MHz



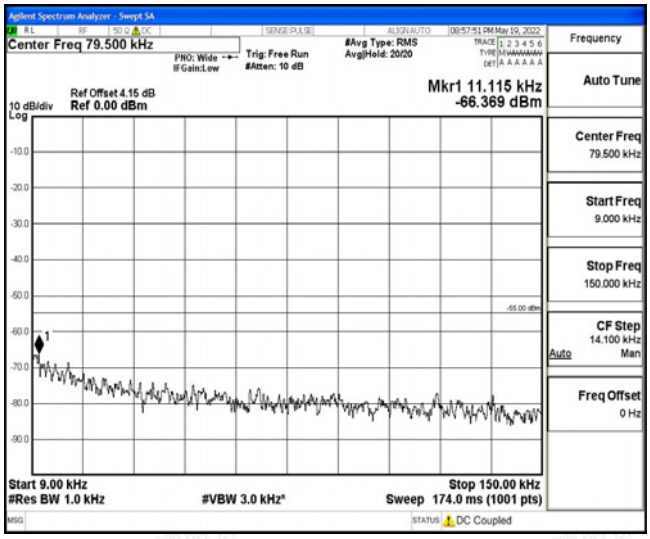
Band7-5MHz-QPSK-20775-1RB#0-Range5:10000~20000MHz



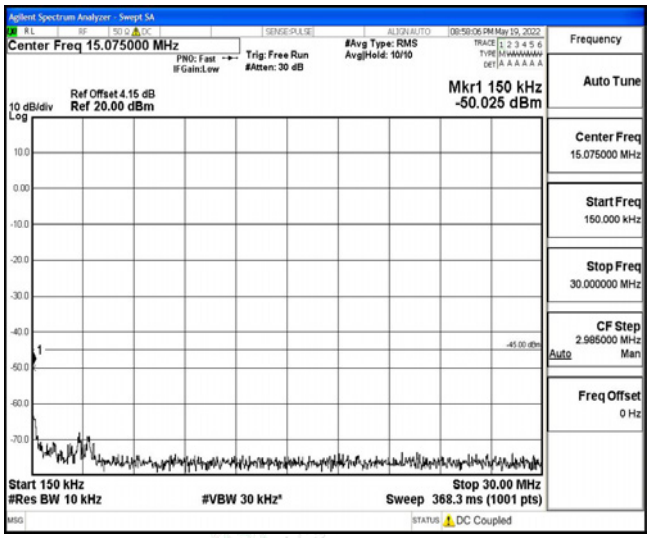
Band7-5MHz-QPSK-20775-1RB#0-Range6:20000~26500MHz



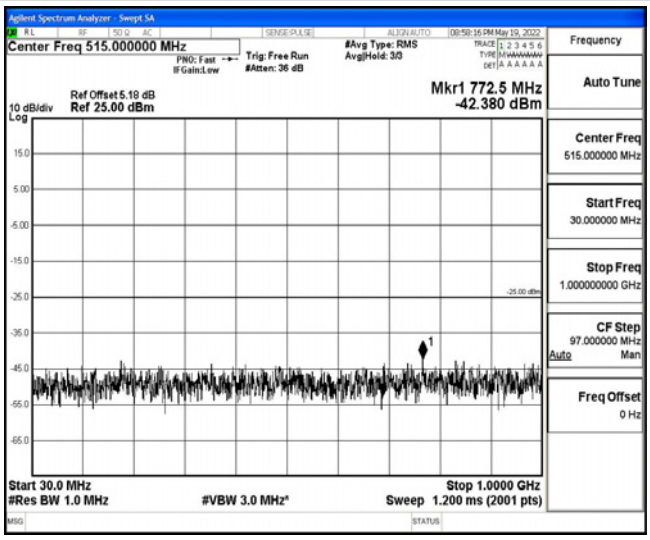
Band7-5MHz-QPSK-21100-1RB#0-Range1:0.009~0.15MHz



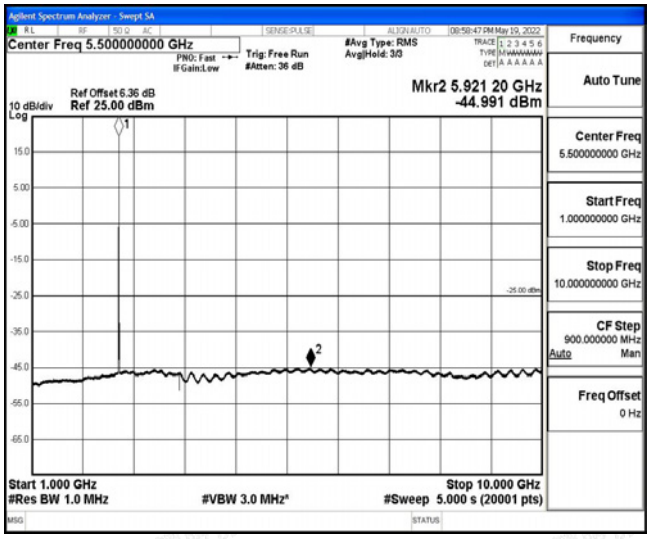
Band7-5MHz-QPSK-21100-1RB#0-Range2:0.15~30MHz



Band7-5MHz-QPSK-21100-1RB#0-Range3:30~1000MHz



Band7-5MHz-QPSK-21100-1RB#0-Range4:1000~10000MHz



Band7-5MHz-QPSK-21100-1RB#0-Range5:10000~20000MHz