

Appendix I: Test Data for E-UTRA Band 17

Product Name: Smartphone

Trade Mark: S Smooth

Test Model: Smooth 6.5

Environmental Conditions

Temperature:	24.6° C
Relative Humidity:	54.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Ken He
Supervised by:	Li Huan

I.1: Effective (Isotropic) Radiated Power Output Data

Test Result

Band17	5MHz	QPSK	23755	1RB#24	24.97	PASS
Band17	5MHz	QPSK	23755	1RB#0	25.13	PASS
Band17	5MHz	QPSK	23755	1RB#12	25.09	PASS
Band17	5MHz	QPSK	23755	12RB#13	24.05	PASS
Band17	5MHz	QPSK	23755	12RB#0	24.14	PASS
Band17	5MHz	QPSK	23755	12RB#6	24.14	PASS
Band17	5MHz	QPSK	23755	25RB#0	24.07	PASS
Band17	5MHz	QPSK	23790	1RB#0	25.30	PASS
Band17	5MHz	QPSK	23790	1RB#24	24.89	PASS
Band17	5MHz	QPSK	23790	1RB#12	25.09	PASS
Band17	5MHz	QPSK	23790	12RB#6	24.12	PASS
Band17	5MHz	QPSK	23790	12RB#0	24.10	PASS
Band17	5MHz	QPSK	23790	12RB#13	23.94	PASS
Band17	5MHz	QPSK	23790	25RB#0	23.90	PASS
Band17	5MHz	QPSK	23825	1RB#0	24.78	PASS
Band17	5MHz	QPSK	23825	1RB#12	24.43	PASS
Band17	5MHz	QPSK	23825	1RB#24	24.36	PASS
Band17	5MHz	QPSK	23825	12RB#6	23.72	PASS
Band17	5MHz	QPSK	23825	12RB#13	23.41	PASS
Band17	5MHz	QPSK	23825	12RB#0	23.70	PASS
Band17	5MHz	QPSK	23825	25RB#0	23.59	PASS
Band17	5MHz	16QAM	23755	1RB#24	24.20	PASS
Band17	5MHz	16QAM	23755	1RB#12	24.22	PASS
Band17	5MHz	16QAM	23755	1RB#0	24.34	PASS
Band17	5MHz	16QAM	23755	12RB#6	23.20	PASS
Band17	5MHz	16QAM	23755	12RB#0	23.21	PASS
Band17	5MHz	16QAM	23755	12RB#13	23.17	PASS
Band17	5MHz	16QAM	23755	25RB#0	23.15	PASS
Band17	5MHz	16QAM	23790	1RB#24	23.25	PASS
Band17	5MHz	16QAM	23790	1RB#12	23.54	PASS
Band17	5MHz	16QAM	23790	1RB#0	23.64	PASS
Band17	5MHz	16QAM	23790	12RB#13	23.23	PASS
Band17	5MHz	16QAM	23790	12RB#0	22.83	PASS
Band17	5MHz	16QAM	23790	12RB#6	22.88	PASS

Band17	5MHz	16QAM	23790	25RB#0	22.98	PASS
Band17	5MHz	16QAM	23825	1RB#24	22.75	PASS
Band17	5MHz	16QAM	23825	1RB#12	22.85	PASS
Band17	5MHz	16QAM	23825	1RB#0	23.08	PASS
Band17	5MHz	16QAM	23825	12RB#6	23.10	PASS
Band17	5MHz	16QAM	23825	12RB#13	22.79	PASS
Band17	5MHz	16QAM	23825	12RB#0	23.10	PASS
Band17	5MHz	16QAM	23825	25RB#0	22.99	PASS
Band17	10MHz	QPSK	23780	1RB#49	24.71	PASS
Band17	10MHz	QPSK	23780	1RB#24	25.15	PASS
Band17	10MHz	QPSK	23780	1RB#0	25.31	PASS
Band17	10MHz	QPSK	23780	25RB#0	24.06	PASS
Band17	10MHz	QPSK	23780	25RB#12	24.08	PASS
Band17	10MHz	QPSK	23780	25RB#25	23.88	PASS
Band17	10MHz	QPSK	23780	50RB#0	24.02	PASS
Band17	10MHz	QPSK	23790	1RB#0	25.10	PASS
Band17	10MHz	QPSK	23790	1RB#49	24.45	PASS
Band17	10MHz	QPSK	23790	1RB#24	24.96	PASS
Band17	10MHz	QPSK	23790	25RB#12	24.00	PASS
Band17	10MHz	QPSK	23790	25RB#25	23.75	PASS
Band17	10MHz	QPSK	23790	25RB#0	24.10	PASS
Band17	10MHz	QPSK	23790	50RB#0	23.80	PASS
Band17	10MHz	QPSK	23800	1RB#0	25.03	PASS
Band17	10MHz	QPSK	23800	1RB#24	24.79	PASS
Band17	10MHz	QPSK	23800	1RB#49	24.21	PASS
Band17	10MHz	QPSK	23800	25RB#0	24.01	PASS
Band17	10MHz	QPSK	23800	25RB#12	23.90	PASS
Band17	10MHz	QPSK	23800	25RB#25	23.66	PASS
Band17	10MHz	QPSK	23800	50RB#0	23.70	PASS
Band17	10MHz	16QAM	23780	1RB#24	23.64	PASS
Band17	10MHz	16QAM	23780	1RB#49	23.29	PASS
Band17	10MHz	16QAM	23780	1RB#0	23.82	PASS
Band17	10MHz	16QAM	23780	25RB#25	23.37	PASS
Band17	10MHz	16QAM	23780	25RB#0	23.08	PASS
Band17	10MHz	16QAM	23780	25RB#12	23.09	PASS
Band17	10MHz	16QAM	23780	50RB#0	22.93	PASS
Band17	10MHz	16QAM	23790	1RB#0	24.00	PASS
Band17	10MHz	16QAM	23790	1RB#24	23.89	PASS

Band17	10MHz	16QAM	23790	1RB#49	23.35	PASS
Band17	10MHz	16QAM	23790	25RB#12	23.24	PASS
Band17	10MHz	16QAM	23790	25RB#0	23.24	PASS
Band17	10MHz	16QAM	23790	25RB#25	23.28	PASS
Band17	10MHz	16QAM	23790	50RB#0	22.96	PASS
Band17	10MHz	16QAM	23800	1RB#0	23.68	PASS
Band17	10MHz	16QAM	23800	1RB#24	23.47	PASS
Band17	10MHz	16QAM	23800	1RB#49	23.18	PASS
Band17	10MHz	16QAM	23800	25RB#0	22.87	PASS
Band17	10MHz	16QAM	23800	25RB#12	22.86	PASS
Band17	10MHz	16QAM	23800	25RB#25	22.88	PASS
Band17	10MHz	16QAM	23800	50RB#0	23.01	PASS

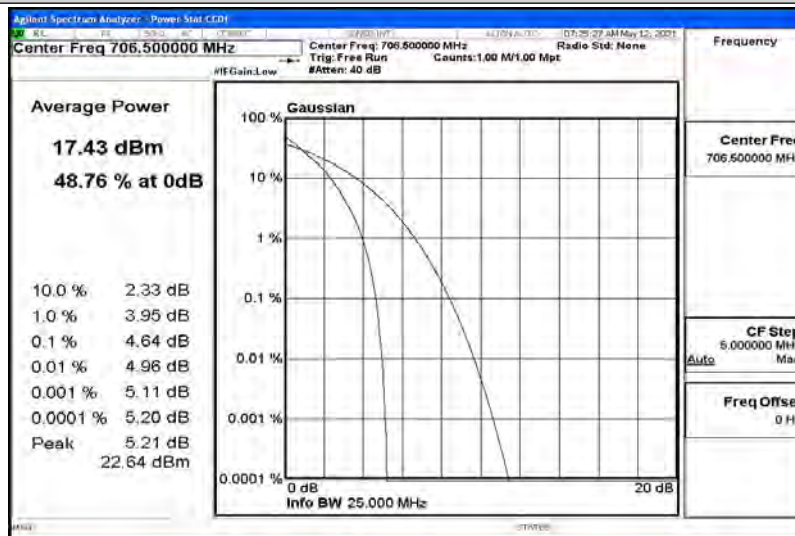
I.2 Peak-to-Average Ratio(CCDF)

Test Result

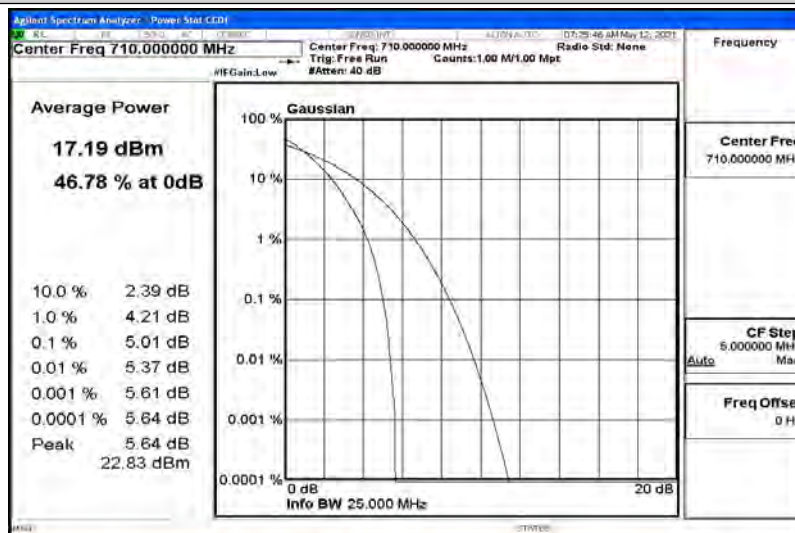
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.64	13	PASS
Band17	5MHz	QPSK	23790	25RB#0	5.01	13	PASS
Band17	5MHz	QPSK	23825	25RB#0	5.34	13	PASS
Band17	5MHz	16QAM	23755	25RB#0	5.44	13	PASS
Band17	5MHz	16QAM	23790	25RB#0	5.77	13	PASS
Band17	5MHz	16QAM	23825	25RB#0	6.04	13	PASS
Band17	10MHz	QPSK	23780	50RB#0	5.10	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	4.65	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	5.10	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	5.66	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	5.23	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	5.91	13	PASS

Test Graphs

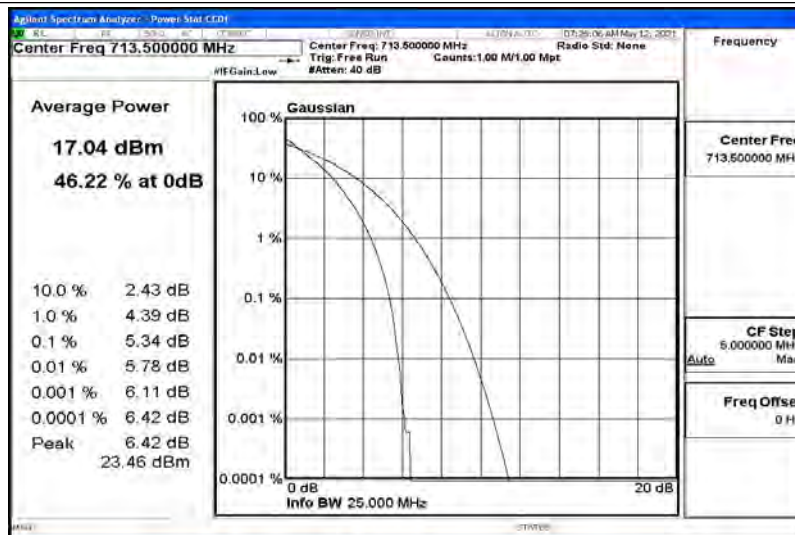
Band17-5MHz-QPSK-23755-25RB#0



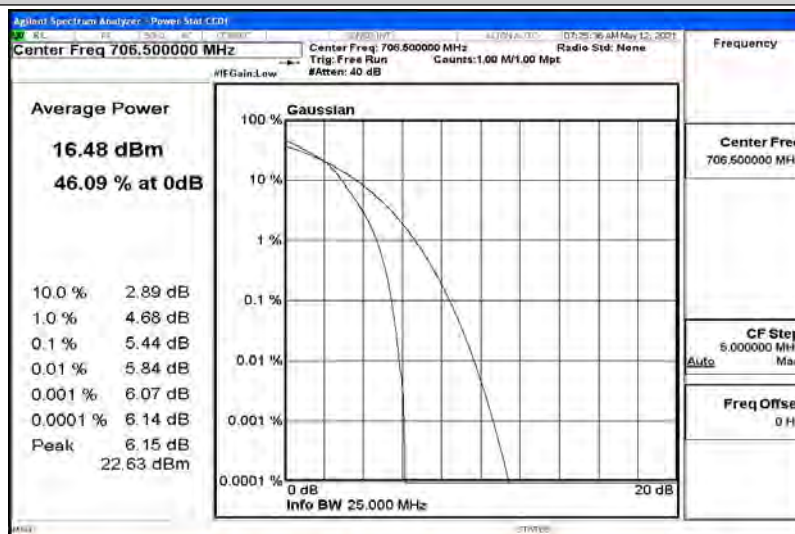
Band17-5MHz-QPSK-23790-25RB#0



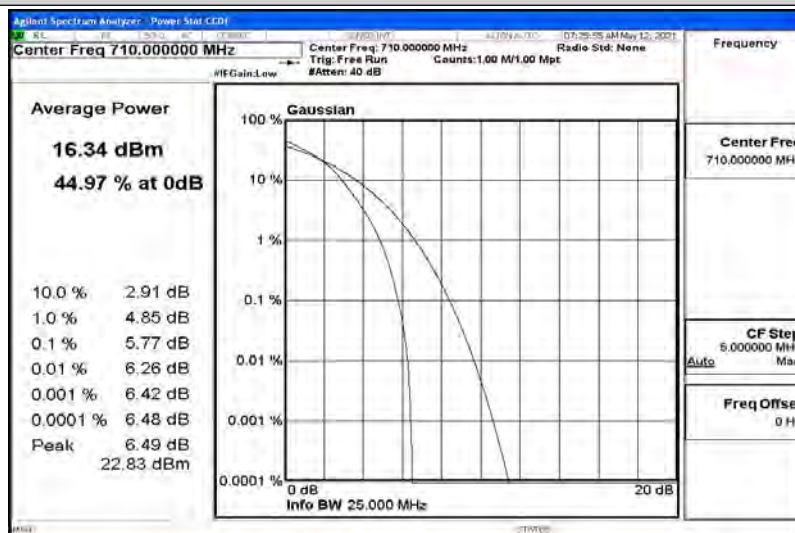
Band17-5MHz-QPSK-23825-25RB#0



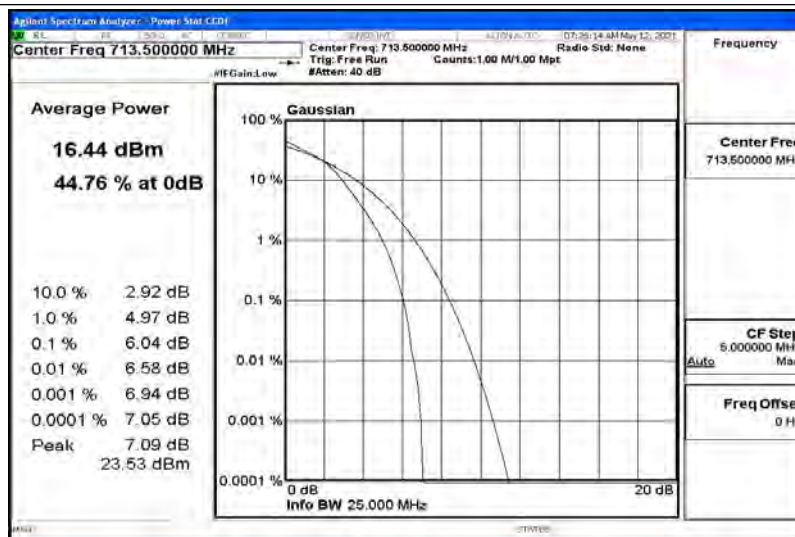
Band17-5MHz-16QAM-23755-25RB#0



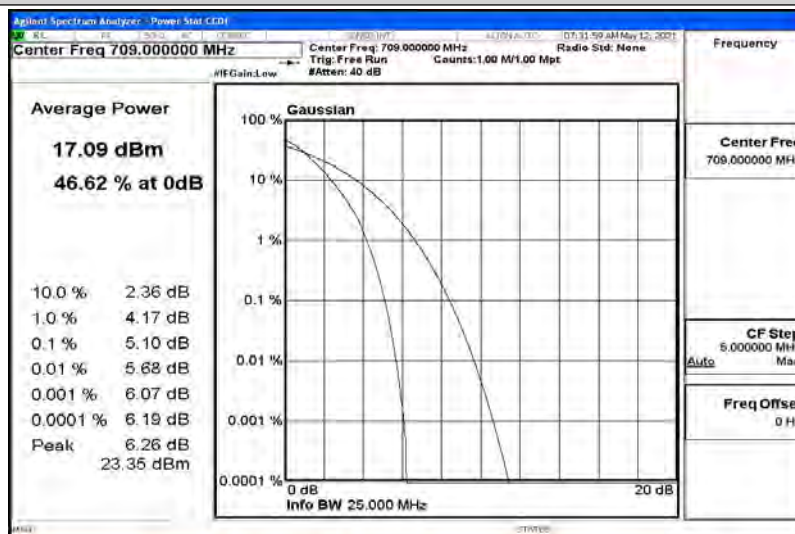
Band17-5MHz-16QAM-23790-25RB#0



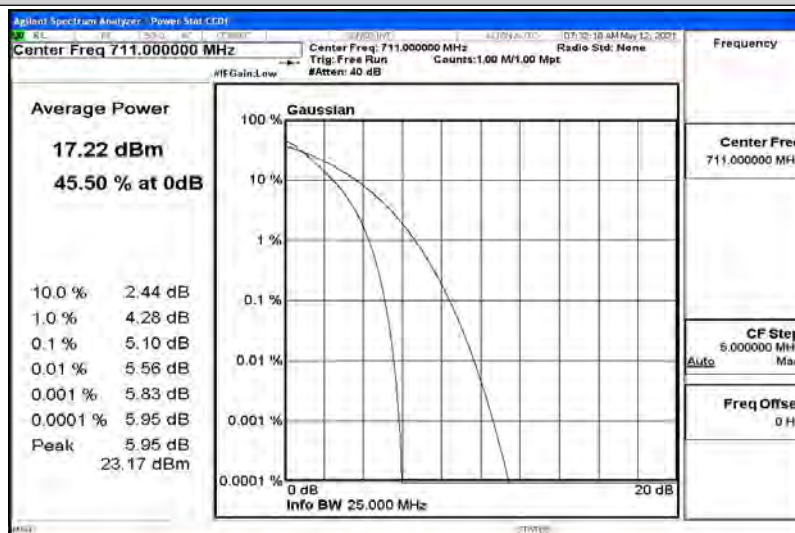
Band17-5MHz-16QAM-23825-25RB#0



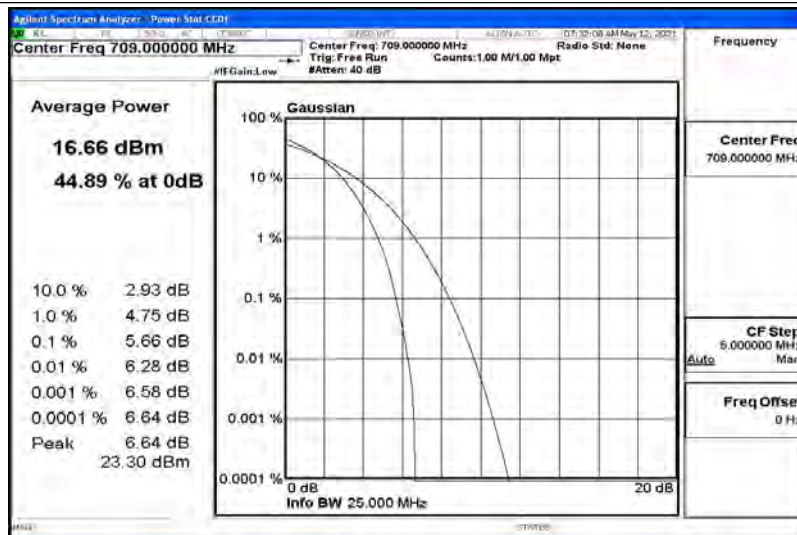
Band17-10MHz-QPSK-23780-50RB#0



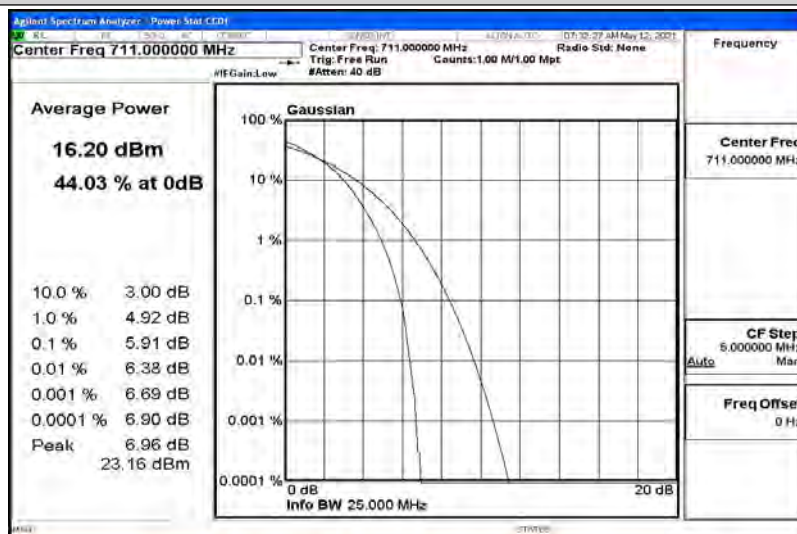
Band17-10MHz-QPSK-23800-50RB#0



Band17-10MHz-16QAM-23780-50RB#0



Band17-10MHz-16QAM-23800-50RB#0



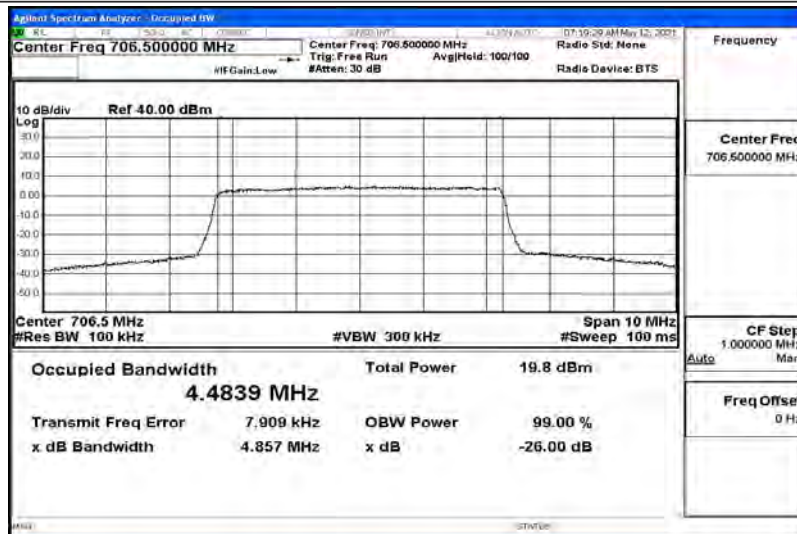
I.3 26dB Bandwidth and Occupied Bandwidth

Test Result

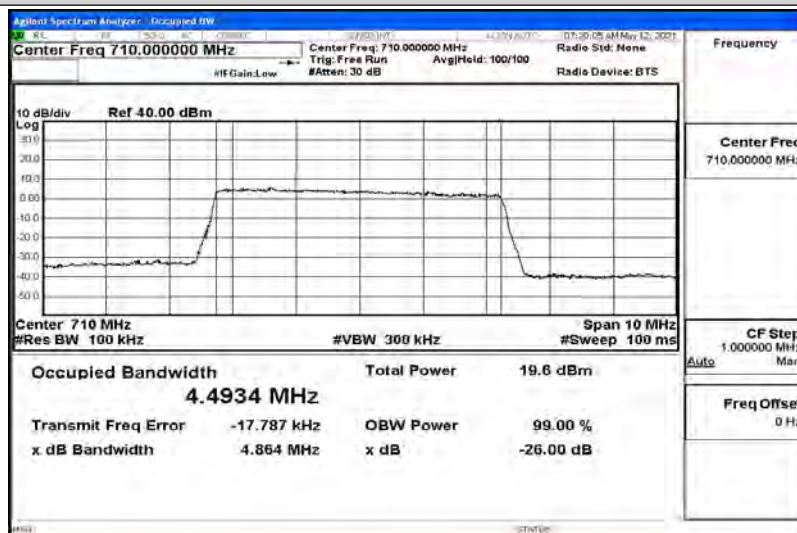
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.4839	4.857	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.4934	4.864	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.5100	4.893	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.4886	4.872	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.4994	4.854	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.5091	4.880	PASS
Band17	10MHz	QPSK	23780	50RB#0	8.9627	9.537	PASS
Band17	10MHz	QPSK	23790	50RB#0	8.9753	9.538	PASS
Band17	10MHz	QPSK	23800	50RB#0	9.0117	9.591	PASS
Band17	10MHz	16QAM	23780	50RB#0	8.9484	9.509	PASS
Band17	10MHz	16QAM	23790	50RB#0	8.9705	9.533	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.9946	9.562	PASS

Test Graphs

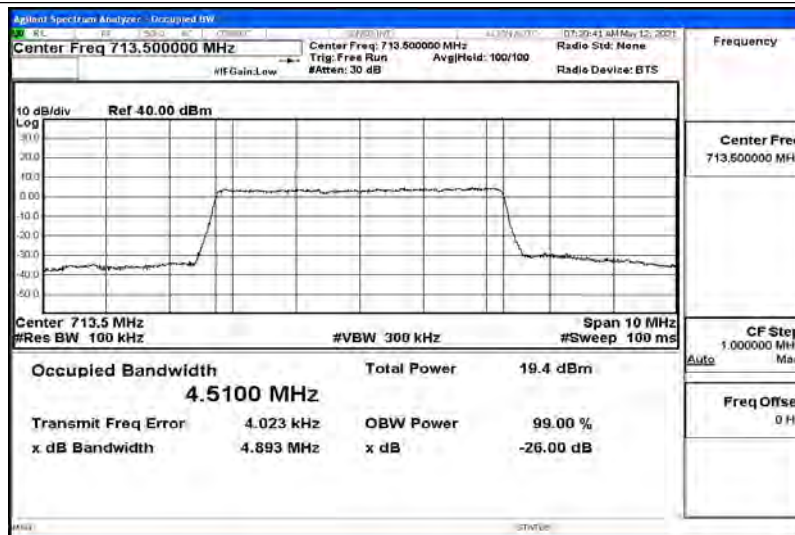
Band17-5MHz-QPSK-23755-25RB#0-4.4839



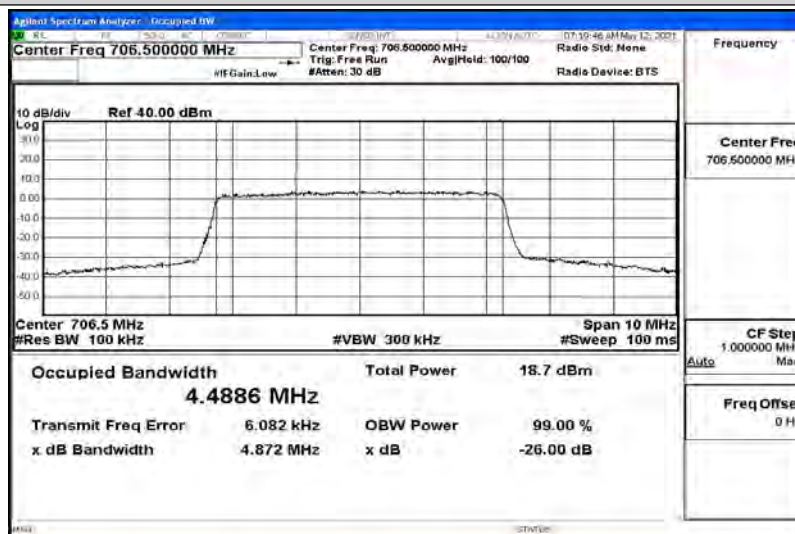
Band17-5MHz-QPSK-23790-25RB#0-4.4934



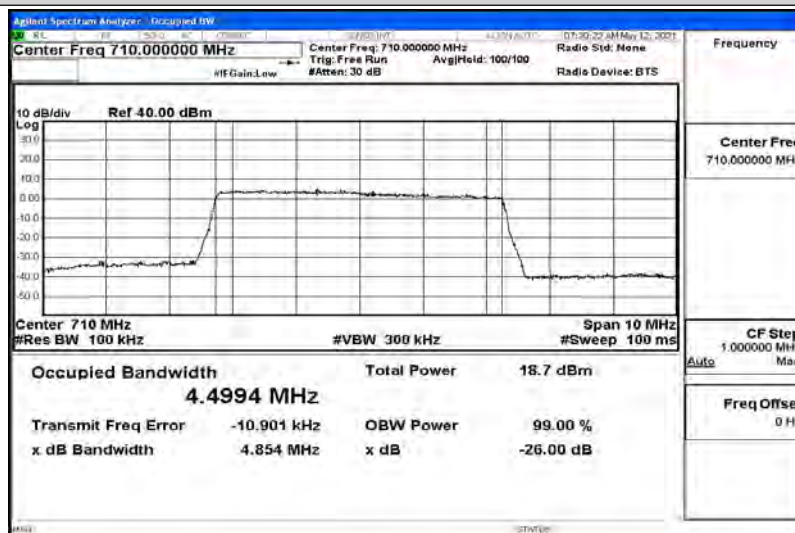
Band17-5MHz-QPSK-23825-25RB#0-4.5100



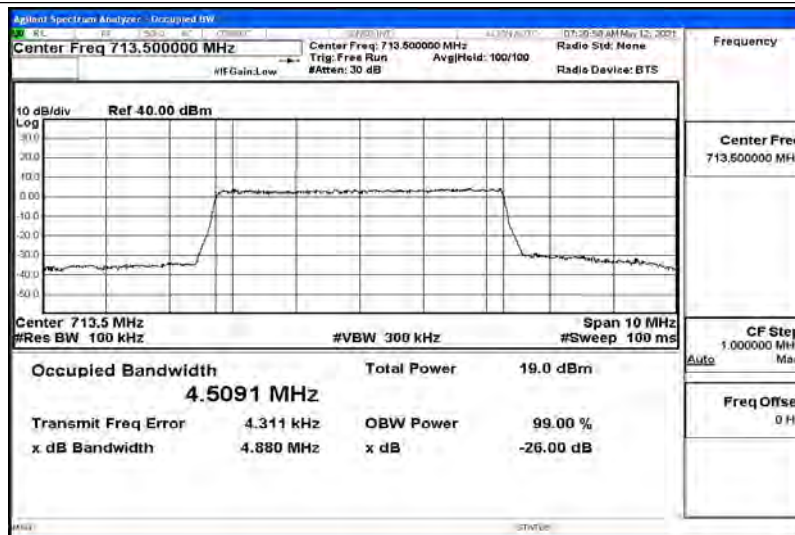
Band17-5MHz-16QAM-23755-25RB#0-4.4886



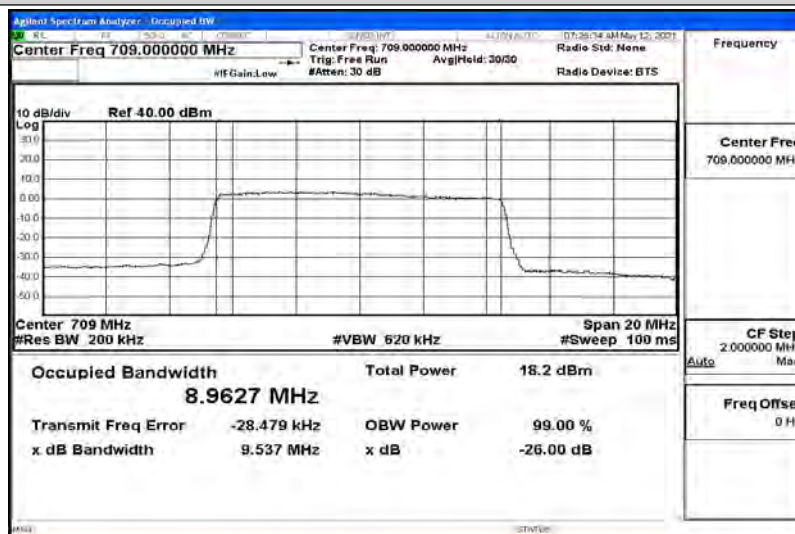
Band17-5MHz-16QAM-23790-25RB#0-4.4994



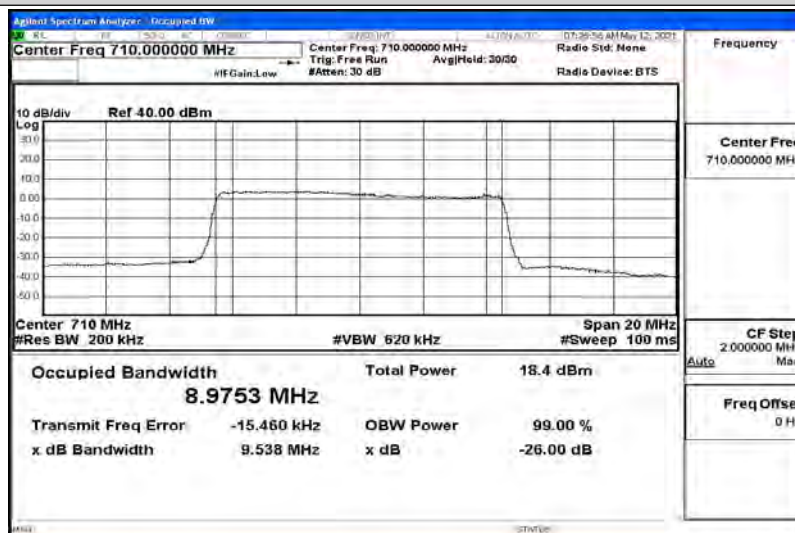
Band17-5MHz-16QAM-23825-25RB#0-4.5091



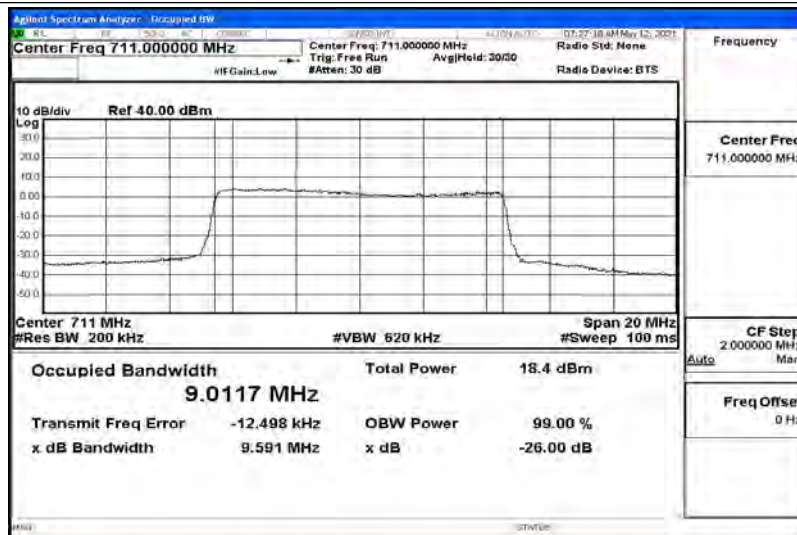
Band17-10MHz-QPSK-23780-50RB#0-8.9627



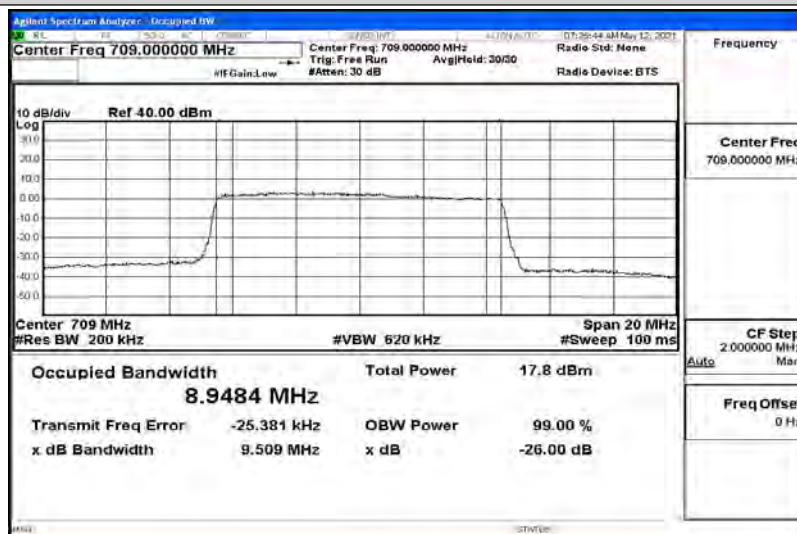
Band17-10MHz-QPSK-23790-50RB#0-8.9753



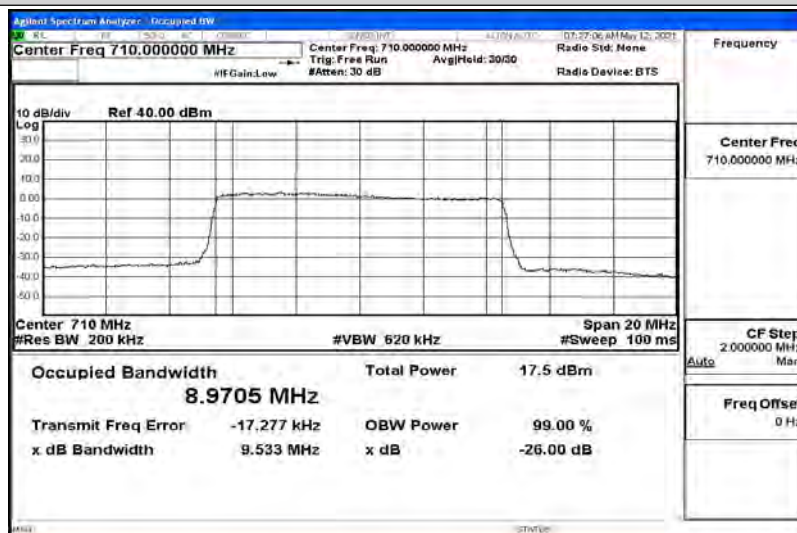
Band17-10MHz-QPSK-23800-50RB#0-9.0117



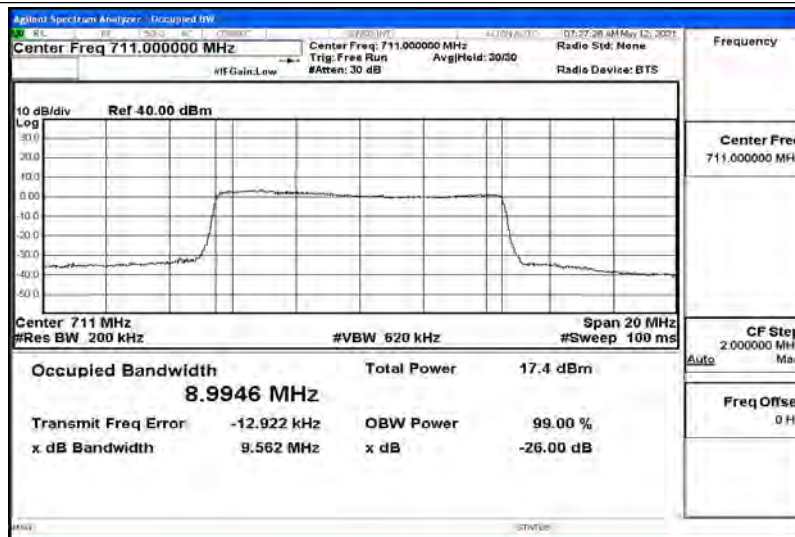
Band17-10MHz-16QAM-23780-50RB#0-8.9484



Band17-10MHz-16QAM-23790-50RB#0-8.9705



Band17-10MHz-16QAM-23800-50RB#0-8.9946



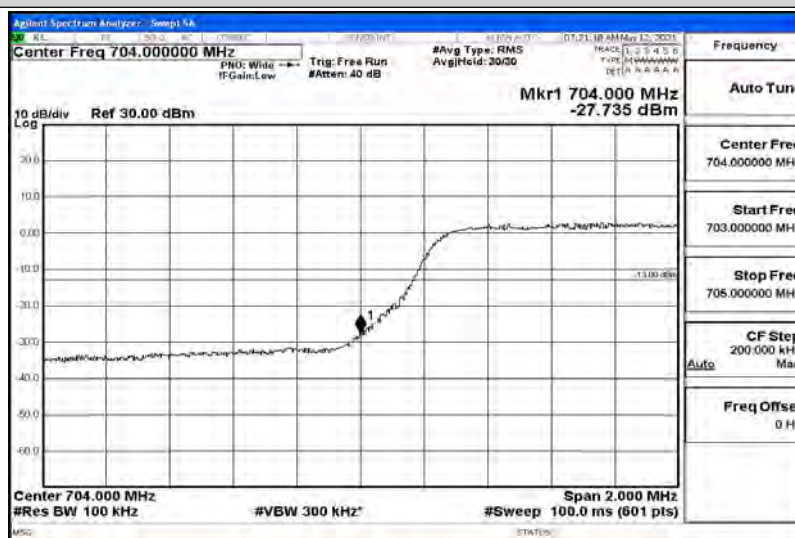
I.4 Band Edge

Test Result

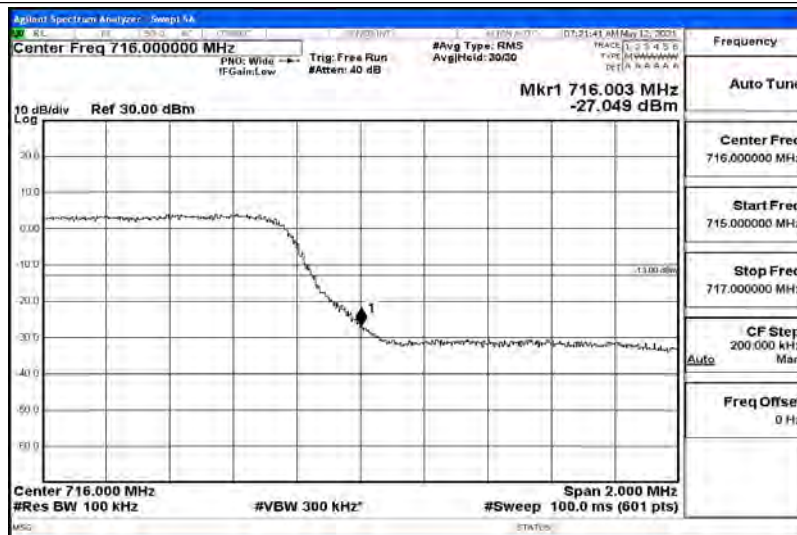
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	-27.74	PASS
Band17	5MHz	QPSK	23825	25RB#0	-27.05	PASS
Band17	5MHz	16QAM	23755	25RB#0	-28.41	PASS
Band17	5MHz	16QAM	23825	25RB#0	-25.69	PASS
Band17	10MHz	QPSK	23780	50RB#0	-30.05	PASS
Band17	10MHz	QPSK	23800	50RB#0	-29.57	PASS
Band17	10MHz	16QAM	23780	50RB#0	-29.20	PASS
Band17	10MHz	16QAM	23800	50RB#0	-31.41	PASS

Test Graphs

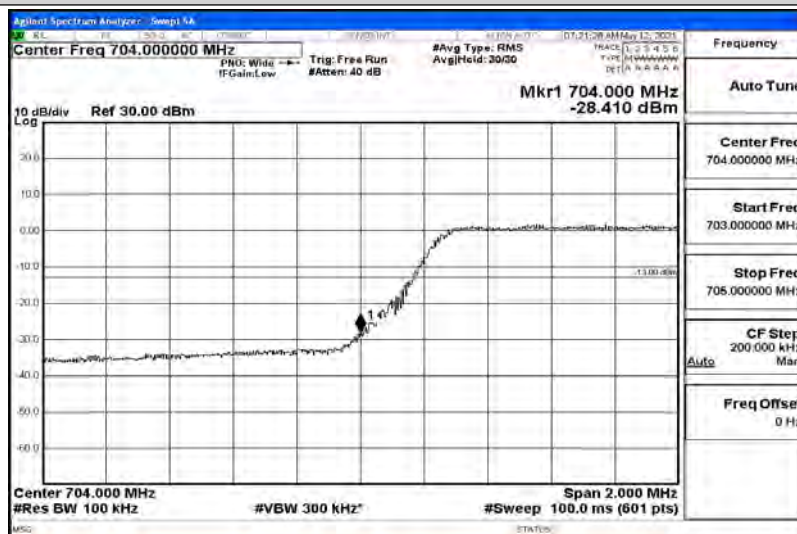
Band17-5MHz-QPSK-23755-25RB#0



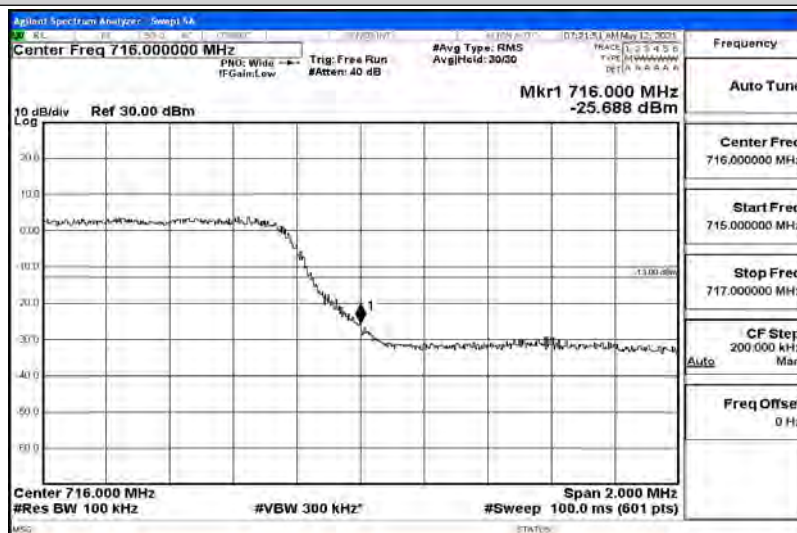
Band17-5MHz-QPSK-23825-25RB#0



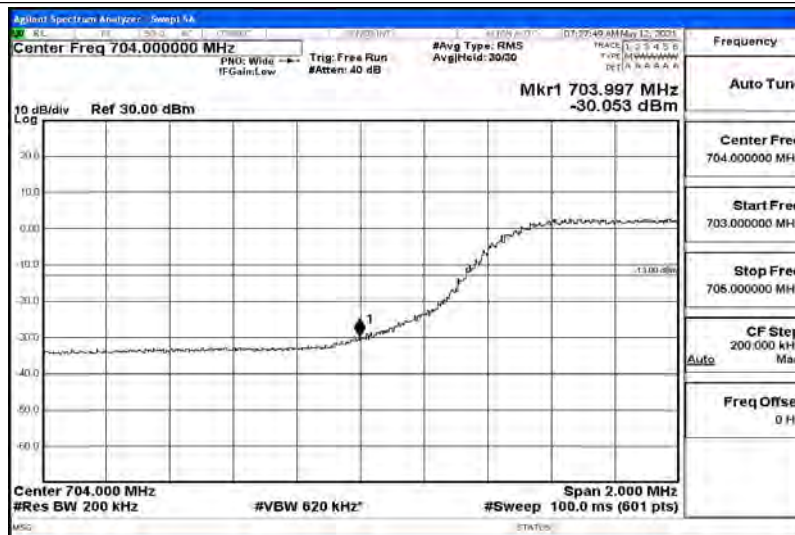
Band17-5MHz-16QAM-23755-25RB#0



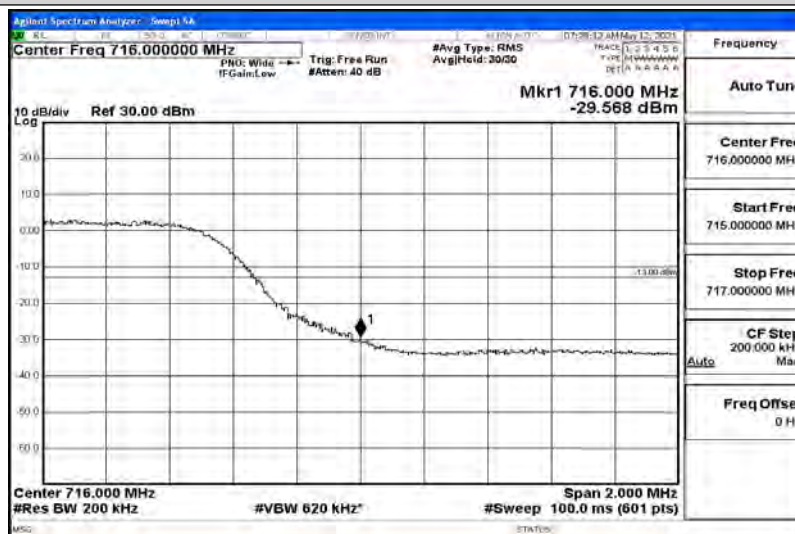
Band17-5MHz-16QAM-23825-25RB#0



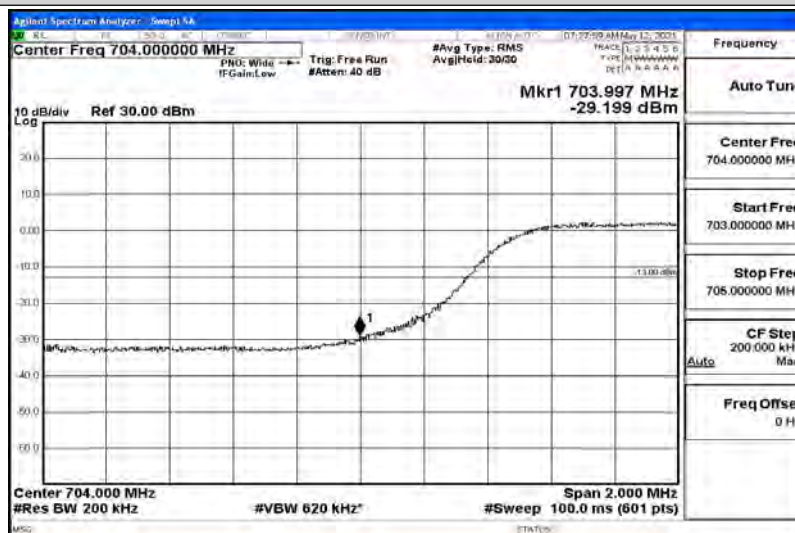
Band17-10MHz-QPSK-23780-50RB#0



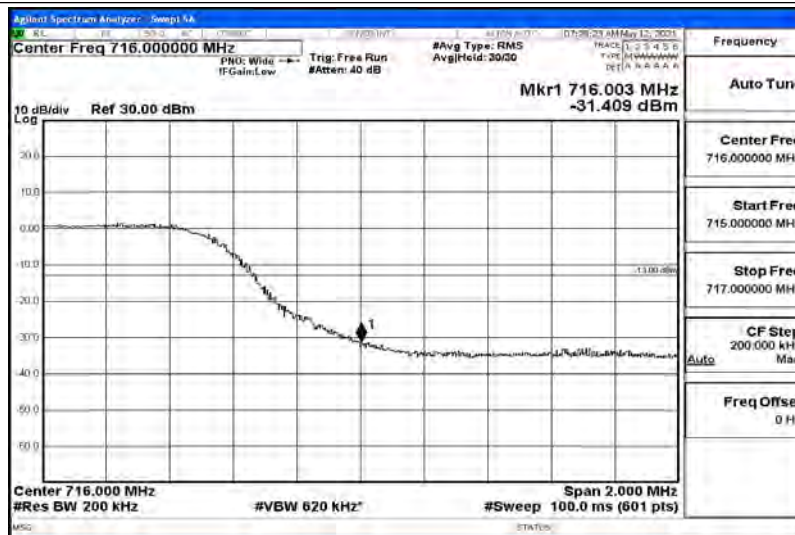
Band17-10MHz-QPSK-23800-50RB#0



Band17-10MHz-16QAM-23780-50RB#0



Band17-10MHz-16QAM-23800-50RB#0



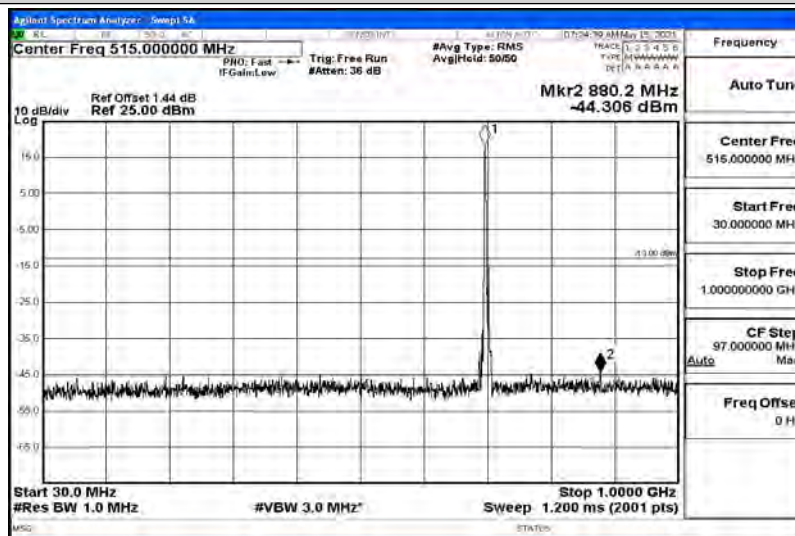
I.5 Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	Range1:30~1000MHz	-44.31	PASS
Band17	5MHz	QPSK	23755	1RB#0	Range2:1000~10000MHz	-46.58	PASS
Band17	5MHz	QPSK	23790	1RB#0	Range1:30~1000MHz	-44.93	PASS
Band17	5MHz	QPSK	23790	1RB#0	Range2:1000~10000MHz	-46.66	PASS
Band17	5MHz	QPSK	23825	1RB#0	Range1:30~1000MHz	-44.78	PASS
Band17	5MHz	QPSK	23825	1RB#0	Range2:1000~10000MHz	-46.59	PASS
Band17	5MHz	16QAM	23755	1RB#0	Range1:30~1000MHz	-43.64	PASS
Band17	5MHz	16QAM	23755	1RB#0	Range2:1000~10000MHz	-46.55	PASS
Band17	5MHz	16QAM	23790	1RB#0	Range1:30~1000MHz	-44.85	PASS
Band17	5MHz	16QAM	23790	1RB#0	Range2:1000~10000MHz	-46.43	PASS
Band17	5MHz	16QAM	23825	1RB#0	Range1:30~1000MHz	-45.26	PASS
Band17	5MHz	16QAM	23825	1RB#0	Range2:1000~10000MHz	-46.52	PASS
Band17	10MHz	QPSK	23780	1RB#0	Range1:30~1000MHz	-44.91	PASS
Band17	10MHz	QPSK	23780	1RB#0	Range2:1000~10000MHz	-46.66	PASS
Band17	10MHz	QPSK	23790	1RB#0	Range1:30~1000MHz	-44.68	PASS
Band17	10MHz	QPSK	23790	1RB#0	Range2:1000~10000MHz	-46.42	PASS
Band17	10MHz	QPSK	23800	1RB#0	Range1:30~1000MHz	-44.6	PASS
Band17	10MHz	QPSK	23800	1RB#0	Range2:1000~10000MHz	-46.74	PASS
Band17	10MHz	16QAM	23780	1RB#0	Range1:30~1000MHz	-45.03	PASS
Band17	10MHz	16QAM	23780	1RB#0	Range2:1000~10000MHz	-46.72	PASS
Band17	10MHz	16QAM	23790	1RB#0	Range1:30~1000MHz	-44.48	PASS
Band17	10MHz	16QAM	23790	1RB#0	Range2:1000~10000MHz	-46.66	PASS
Band17	10MHz	16QAM	23800	1RB#0	Range1:30~1000MHz	-44.29	PASS
Band17	10MHz	16QAM	23800	1RB#0	Range2:1000~10000MHz	-46.57	PASS

Test Graphs

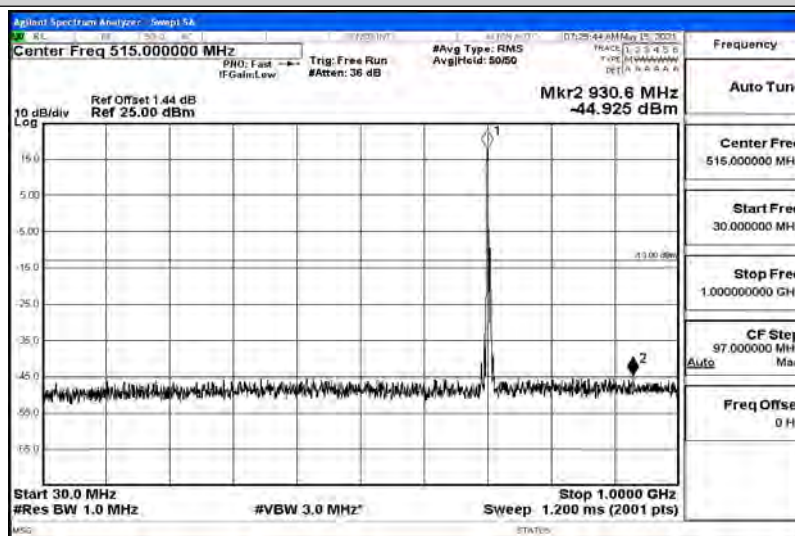
Band17-5MHz-QPSK-23755-1RB#0-Range1:30~1000MHz



Band17-5MHz-QPSK-23755-1RB#0-Range2:1000~10000MHz



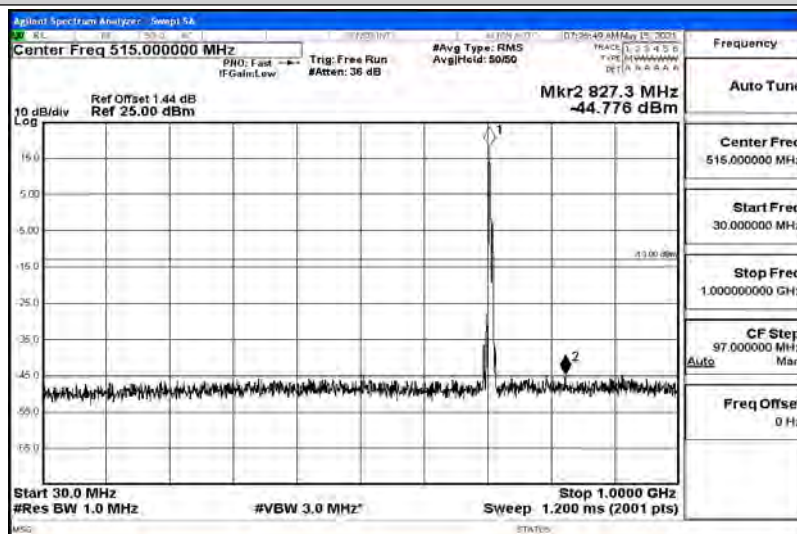
Band17-5MHz-QPSK-23790-1RB#0-Range1:30~1000MHz



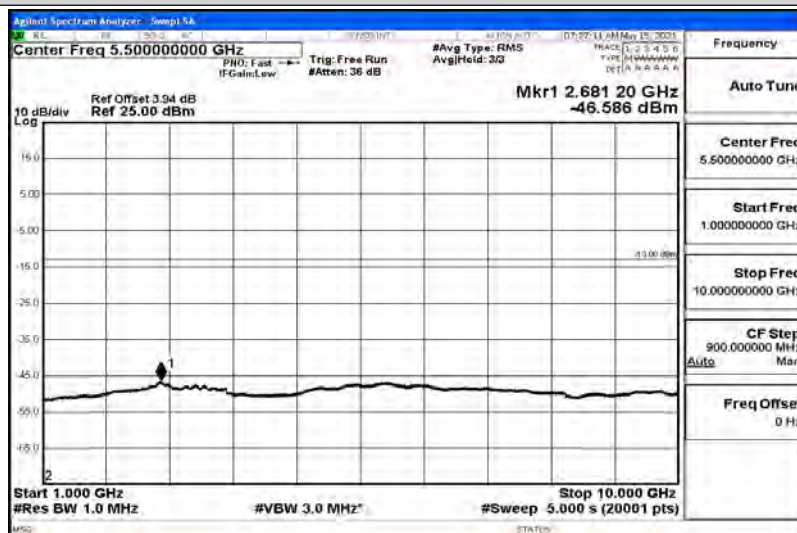
Band17-5MHz-QPSK-23790-1RB#0-Range2:1000~10000MHz



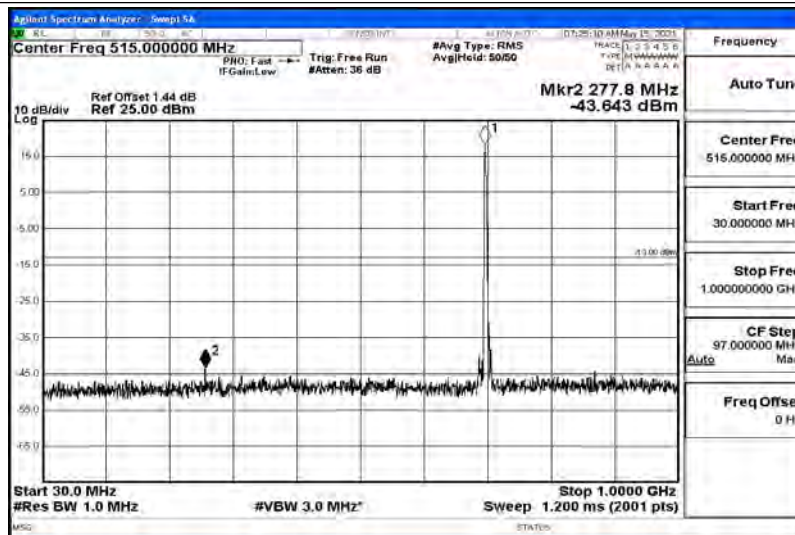
Band17-5MHz-QPSK-23825-1RB#0-Range1:30~1000MHz



Band17-5MHz-QPSK-23825-1RB#0-Range2:1000~10000MHz



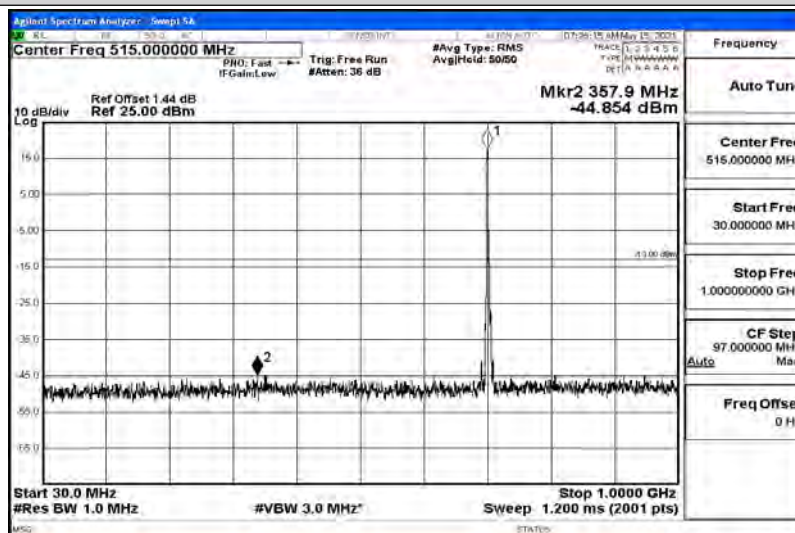
Band17-5MHz-16QAM-23755-1RB#0-Range1:30~1000MHz



Band17-5MHz-16QAM-23755-1RB#0-Range2:1000~10000MHz



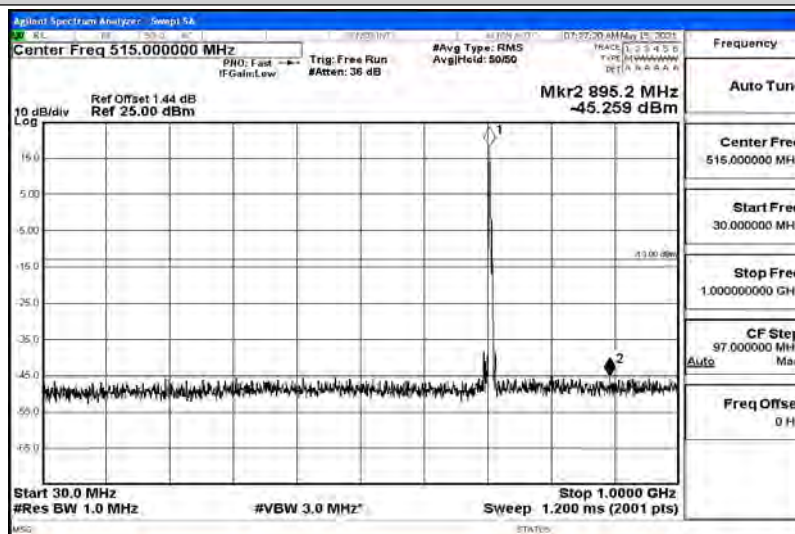
Band17-5MHz-16QAM-23790-1RB#0-Range1:30~1000MHz



Band17-5MHz-16QAM-23790-1RB#0-Range2:1000~10000MHz



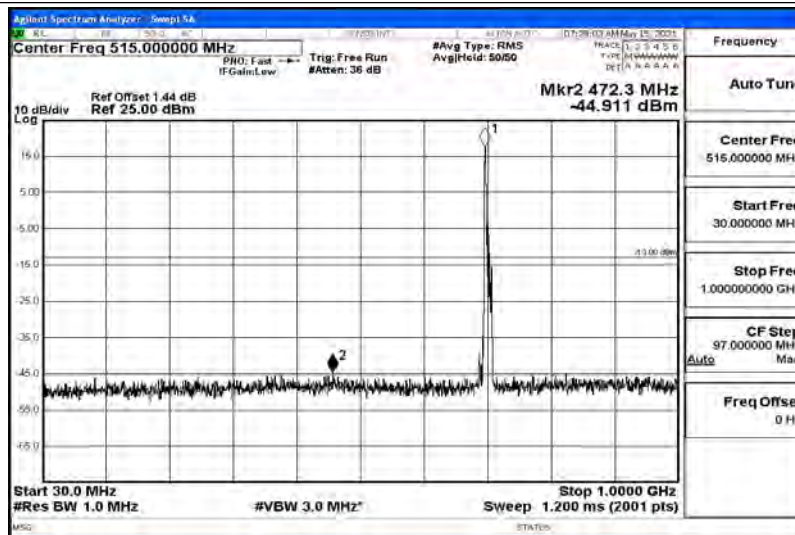
Band17-5MHz-16QAM-23825-1RB#0-Range1:30~1000MHz



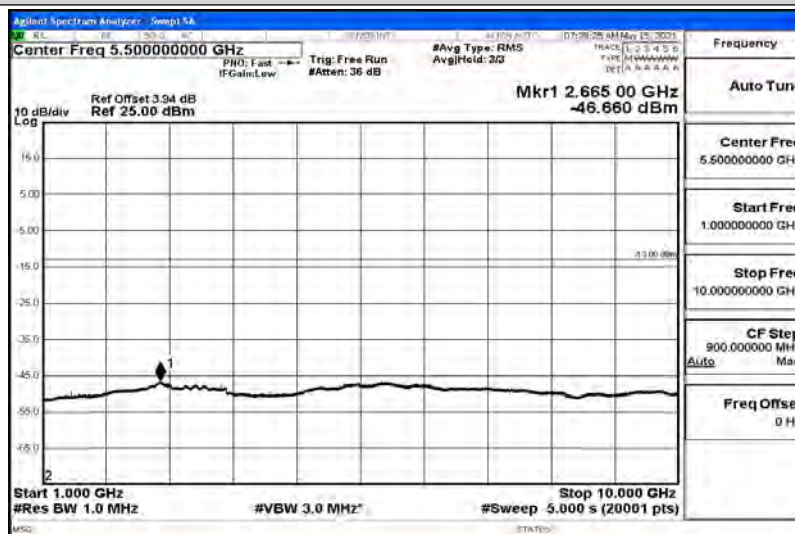
Band17-5MHz-16QAM-23825-1RB#0-Range2:1000~10000MHz



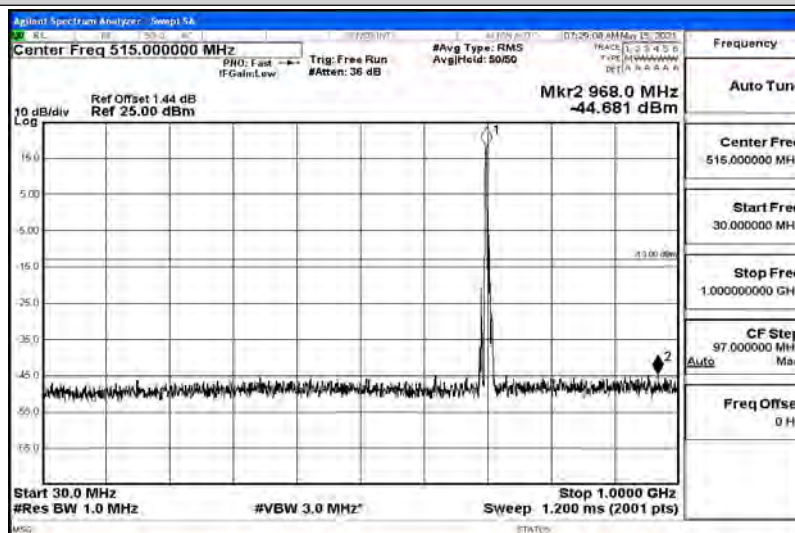
Band17-10MHz-QPSK-23780-1RB#0-Range1:30~1000MHz



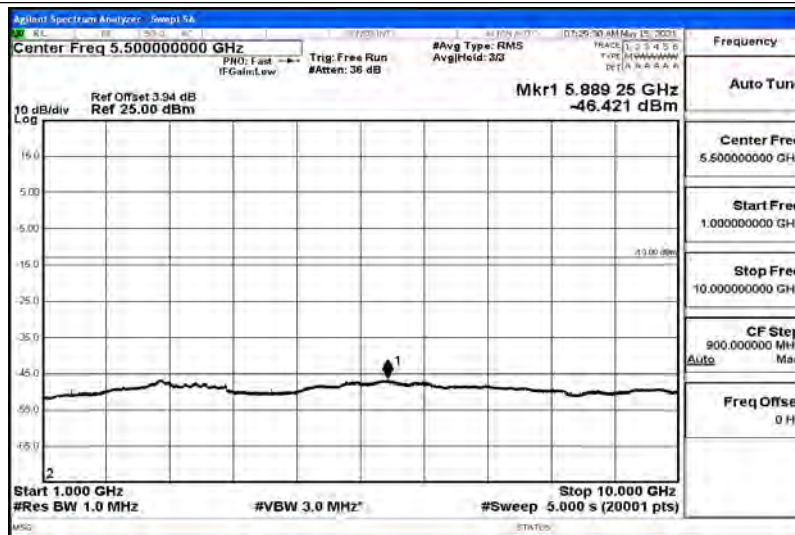
Band17-10MHz-QPSK-23780-1RB#0-Range2:1000~10000MHz



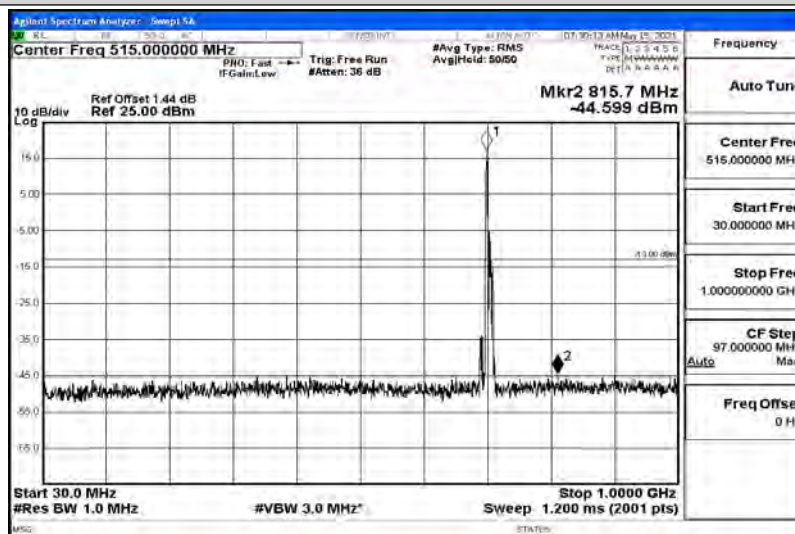
Band17-10MHz-QPSK-23790-1RB#0-Range1:30~1000MHz



Band17-10MHz-QPSK-23790-1RB#0-Range2:1000~10000MHz



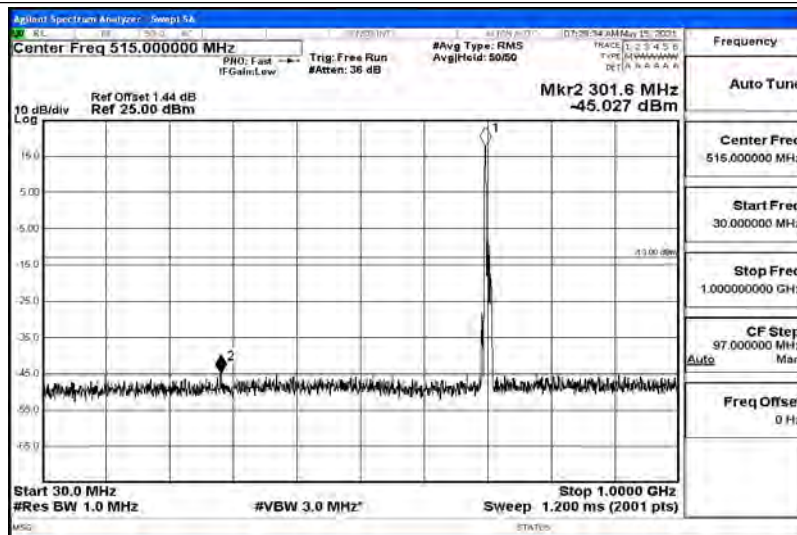
Band17-10MHz-QPSK-23800-1RB#0-Range1:30~1000MHz



Band17-10MHz-QPSK-23800-1RB#0-Range2:1000~10000MHz



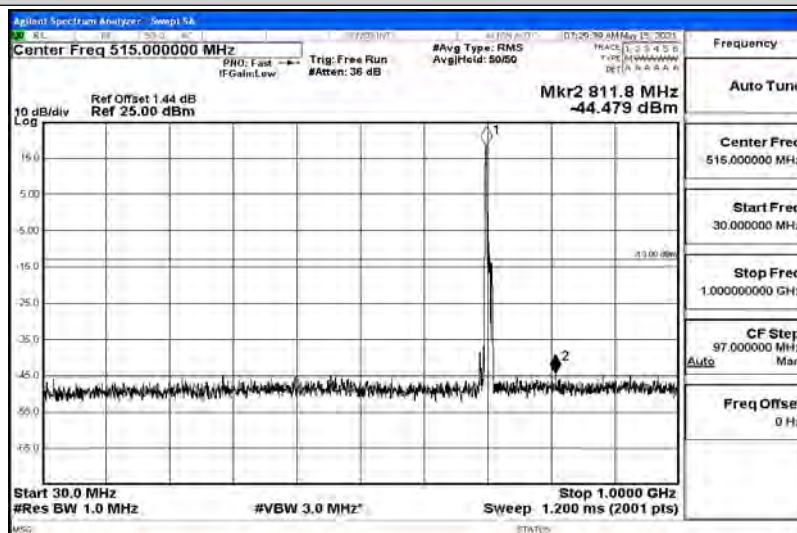
Band17-10MHz-16QAM-23780-1RB#0-Range1:30~1000MHz



Band17-10MHz-16QAM-23780-1RB#0-Range2:1000~10000MHz



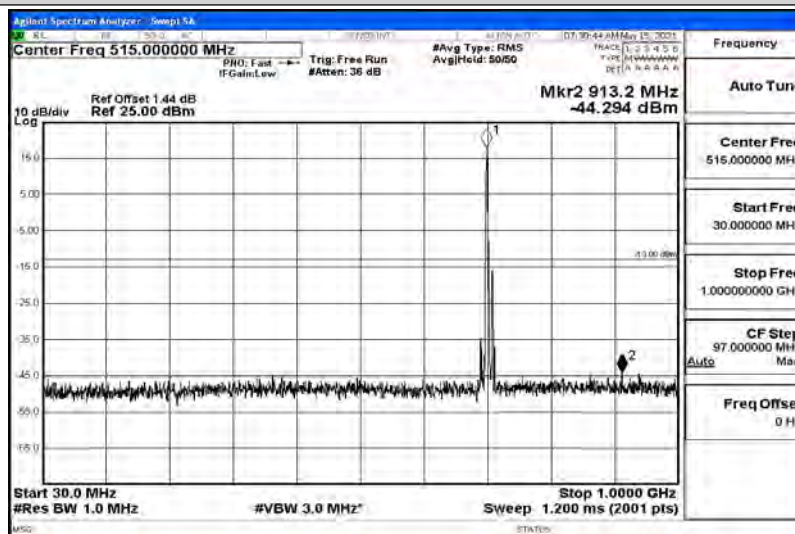
Band17-10MHz-16QAM-23790-1RB#0-Range1:30~1000MHz



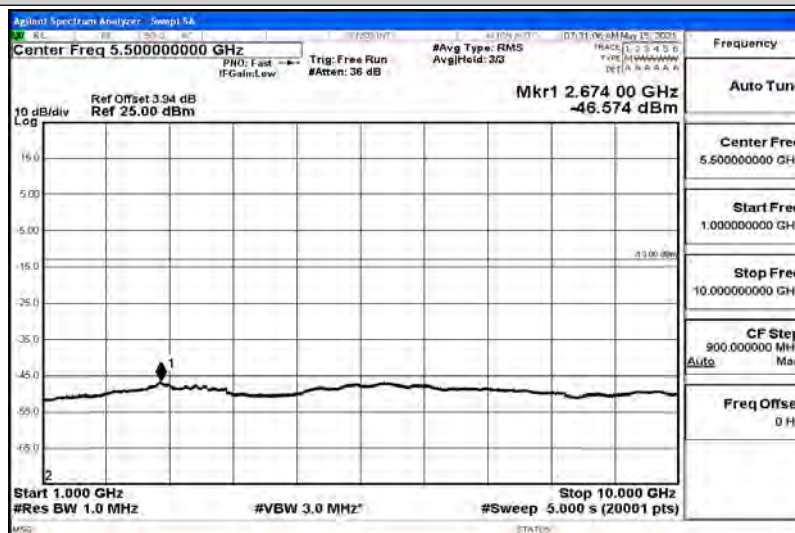
Band17-10MHz-16QAM-23790-1RB#0-Range2:1000~10000MHz



Band17-10MHz-16QAM-23800-1RB#0-Range1:30~1000MHz



Band17-10MHz-16QAM-23800-1RB#0-Range2:1000~10000MHz



Note: Not recorded test plots from 9 KHz to 30 MHz as emission levels 20dB lower than emission limit.