

Appendix I: Test Data for E-UTRA Band 17

Product Name: Smartphone

Trade Mark: S Smooth

Test Model: Smooth 6.1

Environmental Conditions

Temperature:	23.4° C
Relative Humidity:	51.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Kay He
Supervised by:	Li Huan

I.1 Effective (Isotropic) Radiated Power Output Data

Test Result

Band17	5MHz	QPSK	23755	1RB#0	23.59	PASS
Band17	5MHz	QPSK	23755	1RB#12	23.57	PASS
Band17	5MHz	QPSK	23755	1RB#24	23.72	PASS
Band17	5MHz	QPSK	23755	12RB#0	22.52	PASS
Band17	5MHz	QPSK	23755	12RB#6	22.52	PASS
Band17	5MHz	QPSK	23755	12RB#13	22.47	PASS
Band17	5MHz	QPSK	23755	25RB#0	22.49	PASS
Band17	5MHz	QPSK	23790	1RB#0	23.70	PASS
Band17	5MHz	QPSK	23790	1RB#12	23.76	PASS
Band17	5MHz	QPSK	23790	1RB#24	23.65	PASS
Band17	5MHz	QPSK	23790	12RB#0	22.62	PASS
Band17	5MHz	QPSK	23790	12RB#6	22.56	PASS
Band17	5MHz	QPSK	23790	12RB#13	22.64	PASS
Band17	5MHz	QPSK	23790	25RB#0	22.54	PASS
Band17	5MHz	QPSK	23825	1RB#0	23.69	PASS
Band17	5MHz	QPSK	23825	1RB#12	23.79	PASS
Band17	5MHz	QPSK	23825	1RB#24	23.82	PASS
Band17	5MHz	QPSK	23825	12RB#0	22.72	PASS
Band17	5MHz	QPSK	23825	12RB#6	22.60	PASS
Band17	5MHz	QPSK	23825	12RB#13	22.60	PASS
Band17	5MHz	QPSK	23825	25RB#0	22.59	PASS
Band17	5MHz	16QAM	23755	1RB#0	22.20	PASS
Band17	5MHz	16QAM	23755	1RB#12	22.08	PASS
Band17	5MHz	16QAM	23755	1RB#24	22.15	PASS
Band17	5MHz	16QAM	23755	12RB#0	21.48	PASS
Band17	5MHz	16QAM	23755	12RB#6	21.43	PASS
Band17	5MHz	16QAM	23755	12RB#13	21.54	PASS
Band17	5MHz	16QAM	23755	25RB#0	21.32	PASS
Band17	5MHz	16QAM	23790	1RB#0	22.23	PASS
Band17	5MHz	16QAM	23790	1RB#12	22.20	PASS
Band17	5MHz	16QAM	23790	1RB#24	22.28	PASS
Band17	5MHz	16QAM	23790	12RB#0	21.51	PASS
Band17	5MHz	16QAM	23790	12RB#6	21.50	PASS

Band17	5MHz	16QAM	23790	12RB#13	22.04	PASS
Band17	5MHz	16QAM	23790	25RB#0	21.75	PASS
Band17	5MHz	16QAM	23825	1RB#0	21.98	PASS
Band17	5MHz	16QAM	23825	1RB#12	21.93	PASS
Band17	5MHz	16QAM	23825	1RB#24	22.12	PASS
Band17	5MHz	16QAM	23825	12RB#0	22.02	PASS
Band17	5MHz	16QAM	23825	12RB#6	22.06	PASS
Band17	5MHz	16QAM	23825	12RB#13	22.00	PASS
Band17	5MHz	16QAM	23825	25RB#0	22.06	PASS
Band17	10MHz	QPSK	23780	1RB#0	23.72	PASS
Band17	10MHz	QPSK	23780	1RB#24	23.74	PASS
Band17	10MHz	QPSK	23780	1RB#49	23.62	PASS
Band17	10MHz	QPSK	23780	25RB#0	22.51	PASS
Band17	10MHz	QPSK	23780	25RB#12	22.52	PASS
Band17	10MHz	QPSK	23780	25RB#25	22.66	PASS
Band17	10MHz	QPSK	23780	50RB#0	22.48	PASS
Band17	10MHz	QPSK	23790	1RB#0	23.45	PASS
Band17	10MHz	QPSK	23790	1RB#24	23.48	PASS
Band17	10MHz	QPSK	23790	1RB#49	23.45	PASS
Band17	10MHz	QPSK	23790	25RB#0	22.59	PASS
Band17	10MHz	QPSK	23790	25RB#12	22.61	PASS
Band17	10MHz	QPSK	23790	25RB#25	22.43	PASS
Band17	10MHz	QPSK	23790	50RB#0	22.47	PASS
Band17	10MHz	QPSK	23800	1RB#0	23.48	PASS
Band17	10MHz	QPSK	23800	1RB#24	23.52	PASS
Band17	10MHz	QPSK	23800	1RB#49	23.51	PASS
Band17	10MHz	QPSK	23800	25RB#0	22.48	PASS
Band17	10MHz	QPSK	23800	25RB#12	22.50	PASS
Band17	10MHz	QPSK	23800	25RB#25	22.65	PASS
Band17	10MHz	QPSK	23800	50RB#0	22.50	PASS
Band17	10MHz	16QAM	23780	1RB#0	21.98	PASS
Band17	10MHz	16QAM	23780	1RB#24	21.98	PASS
Band17	10MHz	16QAM	23780	1RB#49	21.94	PASS
Band17	10MHz	16QAM	23780	25RB#0	21.67	PASS
Band17	10MHz	16QAM	23780	25RB#12	21.49	PASS
Band17	10MHz	16QAM	23780	25RB#25	22.08	PASS
Band17	10MHz	16QAM	23780	50RB#0	21.54	PASS
Band17	10MHz	16QAM	23790	1RB#0	22.55	PASS

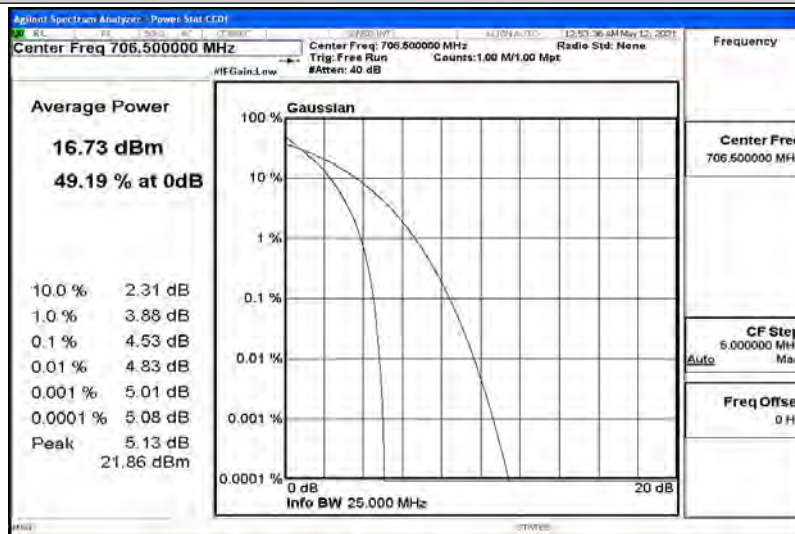
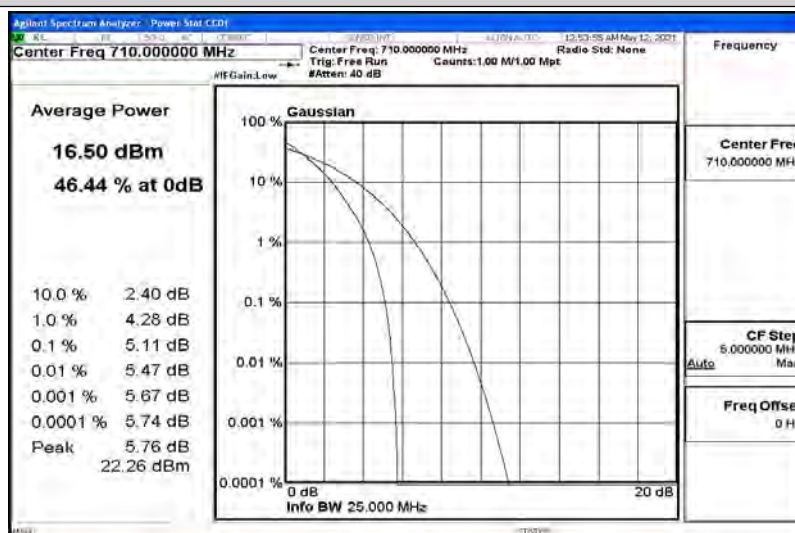
Band17	10MHz	16QAM	23790	1RB#24	22.59	PASS
Band17	10MHz	16QAM	23790	1RB#49	22.58	PASS
Band17	10MHz	16QAM	23790	25RB#0	21.61	PASS
Band17	10MHz	16QAM	23790	25RB#12	21.78	PASS
Band17	10MHz	16QAM	23790	25RB#25	22.07	PASS
Band17	10MHz	16QAM	23790	50RB#0	21.64	PASS
Band17	10MHz	16QAM	23800	1RB#0	22.23	PASS
Band17	10MHz	16QAM	23800	1RB#24	22.20	PASS
Band17	10MHz	16QAM	23800	1RB#49	22.35	PASS
Band17	10MHz	16QAM	23800	25RB#0	21.45	PASS
Band17	10MHz	16QAM	23800	25RB#12	21.46	PASS
Band17	10MHz	16QAM	23800	25RB#25	21.93	PASS
Band17	10MHz	16QAM	23800	50RB#0	21.56	PASS

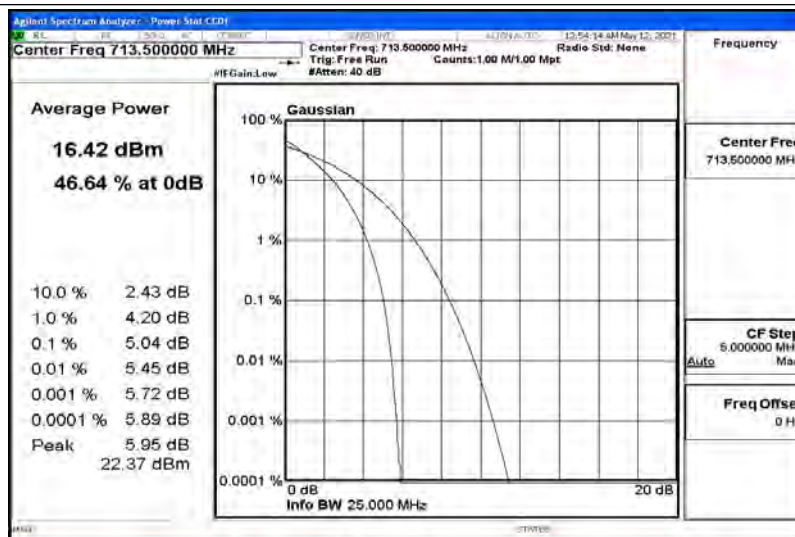
I.2 Peak-to-Average Ratio (CCDF)

Test Result

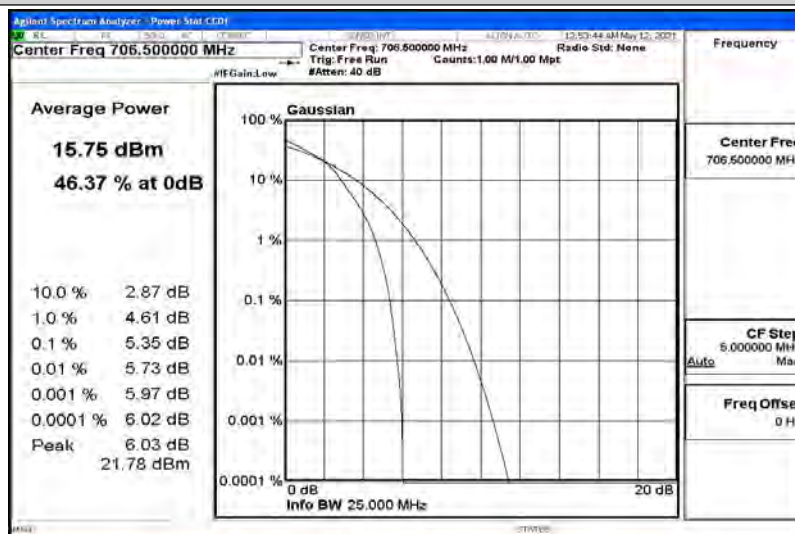
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.53	13	PASS
Band17	5MHz	QPSK	23790	25RB#0	5.11	13	PASS
Band17	5MHz	QPSK	23825	25RB#0	5.04	13	PASS
Band17	5MHz	16QAM	23755	25RB#0	5.35	13	PASS
Band17	5MHz	16QAM	23790	25RB#0	5.93	13	PASS
Band17	5MHz	16QAM	23825	25RB#0	5.69	13	PASS
Band17	10MHz	QPSK	23780	50RB#0	5.09	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	5.21	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	5.07	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	5.63	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	5.34	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	5.90	13	PASS

Test Graphs

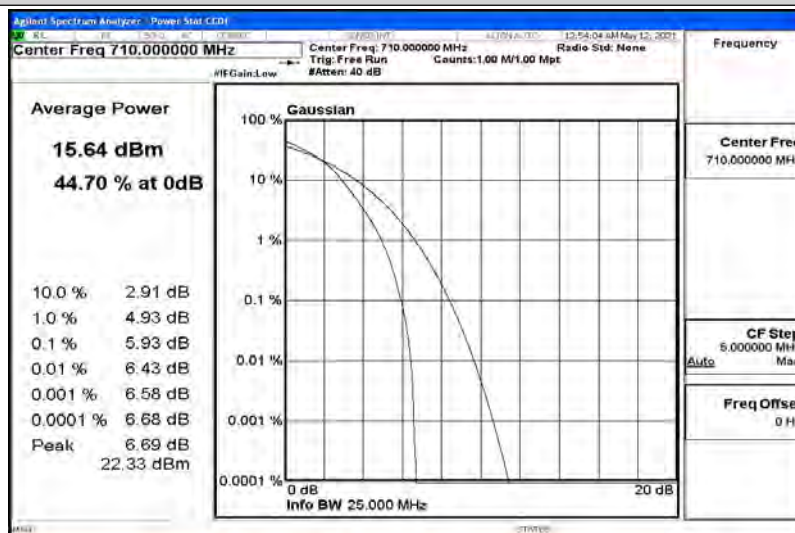
Band17-5MHz-QPSK-23755-25RB#0**Band17-5MHz-QPSK-23790-25RB#0****Band17-5MHz-QPSK-23825-25RB#0**



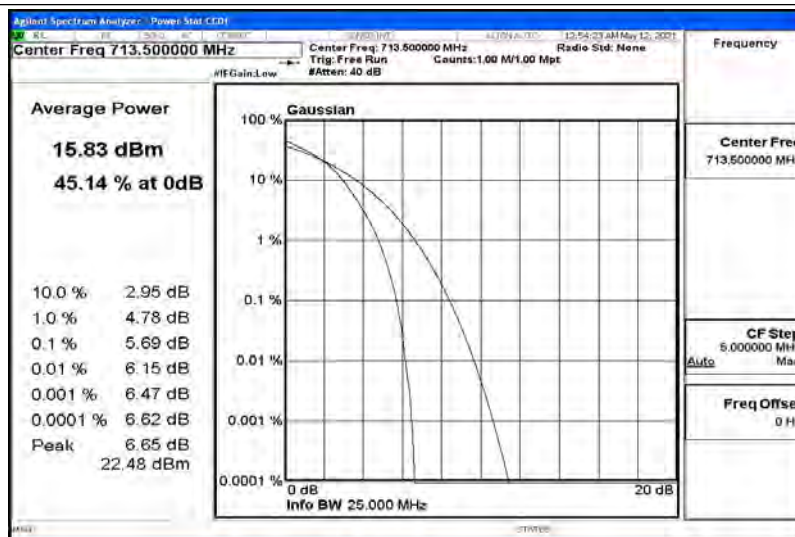
Band17-5MHz-16QAM-23755-25RB#0



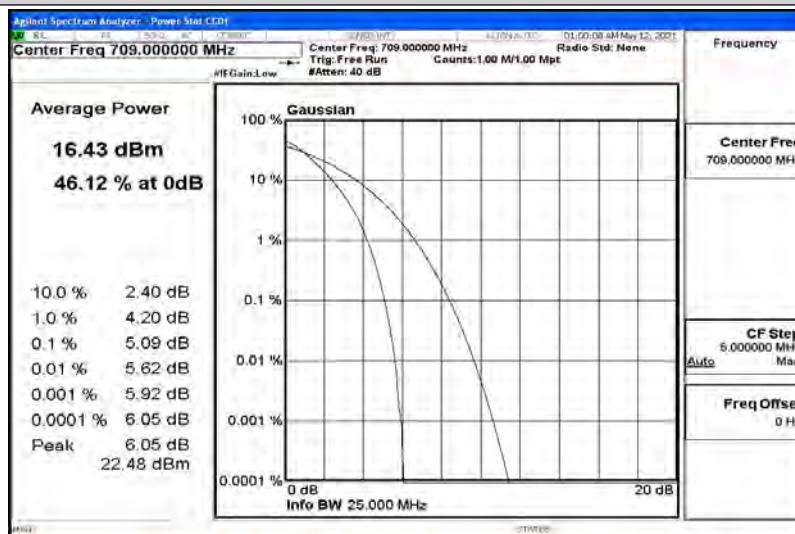
Band17-5MHz-16QAM-23790-25RB#0



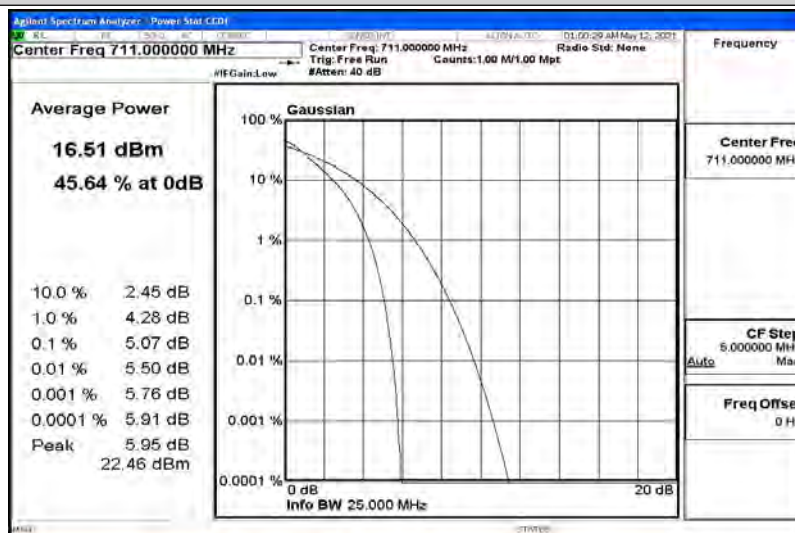
Band17-5MHz-16QAM-23825-25RB#0



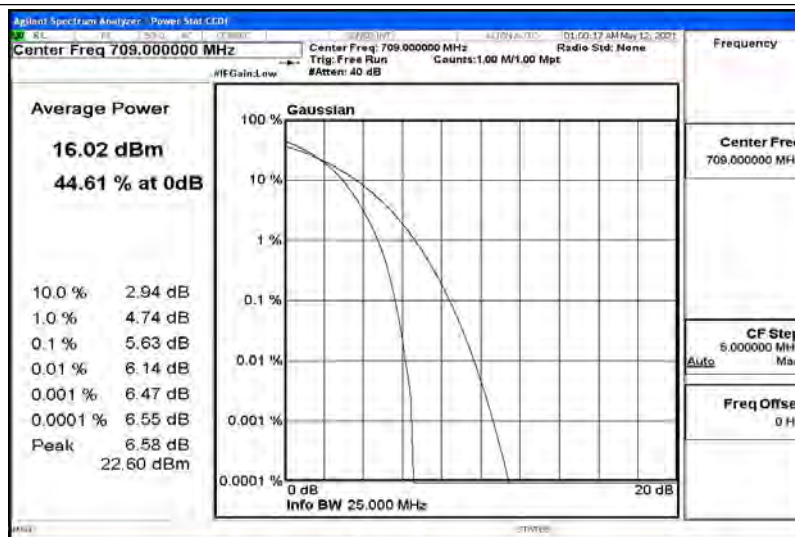
Band17-10MHz-QPSK-23780-50RB#0



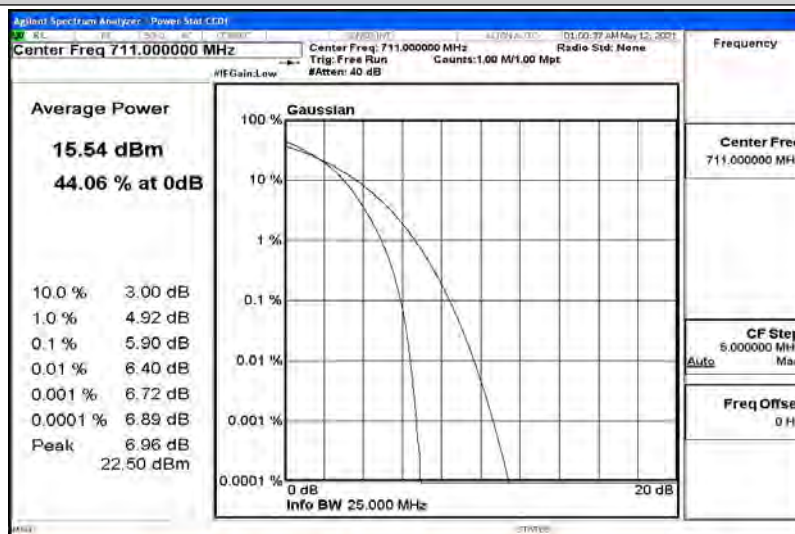
Band17-10MHz-QPSK-23800-50RB#0



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



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



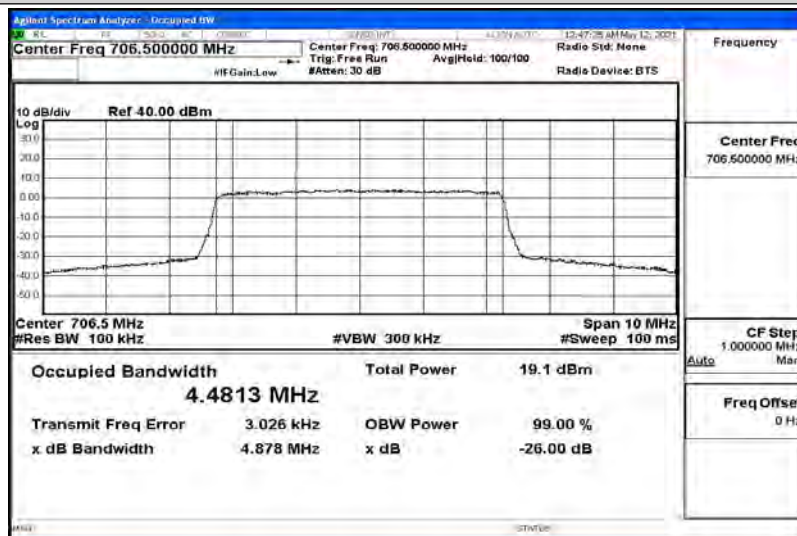
I.3 26dB Bandwidth and Occupied Bandwidth

Test Result

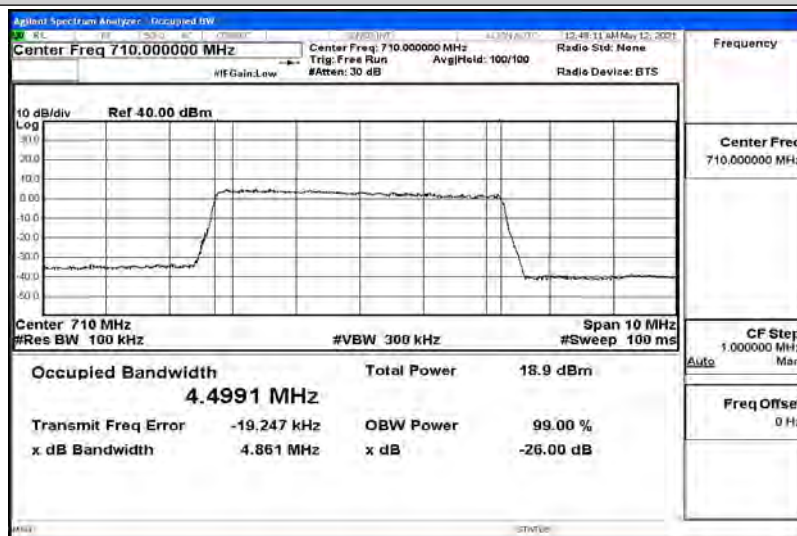
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.4813	4.878	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.4991	4.861	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.5115	4.891	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.4850	4.867	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.5030	4.849	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.5068	4.887	PASS
Band17	10MHz	QPSK	23780	50RB#0	8.9722	9.542	PASS
Band17	10MHz	QPSK	23790	50RB#0	8.9855	9.546	PASS
Band17	10MHz	QPSK	23800	50RB#0	9.0326	9.610	PASS
Band17	10MHz	16QAM	23780	50RB#0	8.9634	9.553	PASS
Band17	10MHz	16QAM	23790	50RB#0	8.9872	9.563	PASS
Band17	10MHz	16QAM	23800	50RB#0	9.0107	9.580	PASS

Test Graphs

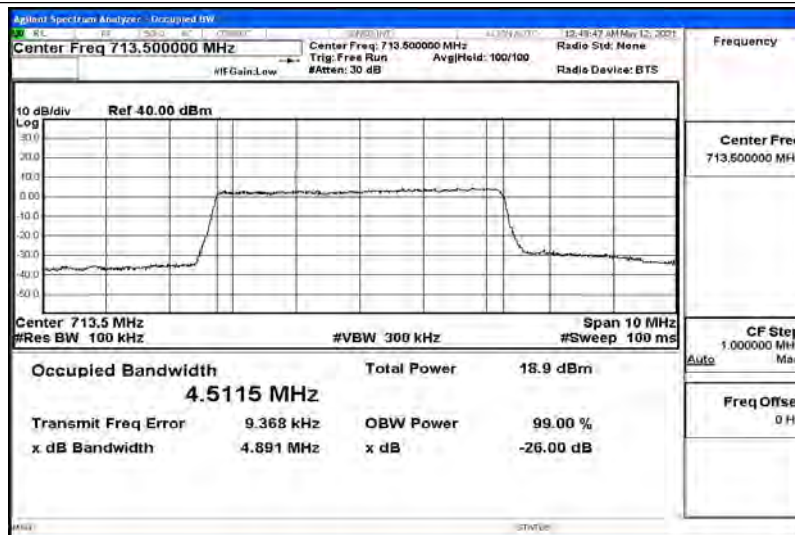
Band17-5MHz-QPSK-23755-25RB#0-4.4813



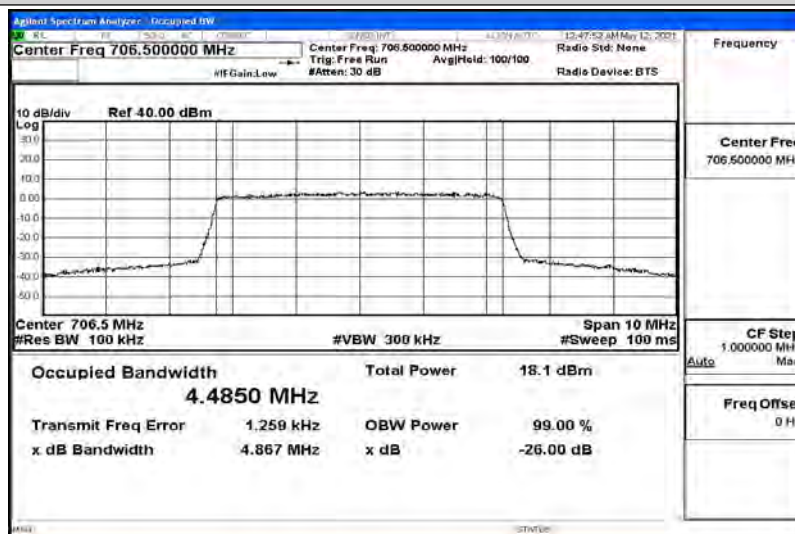
Band17-5MHz-QPSK-23790-25RB#0-4.4991



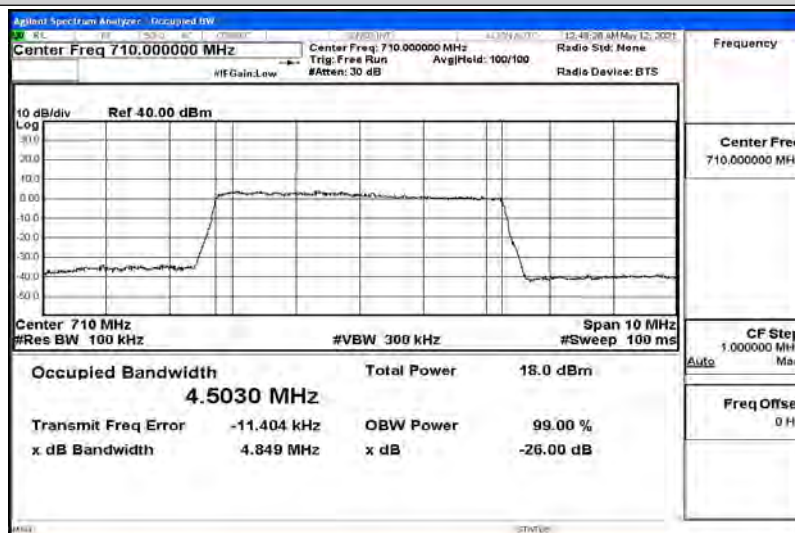
Band17-5MHz-QPSK-23825-25RB#0-4.5115



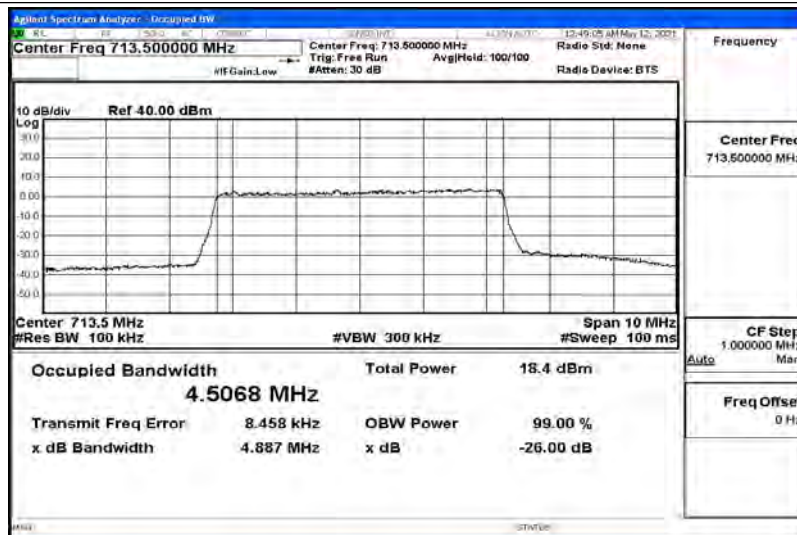
Band17-5MHz-16QAM-23755-25RB#0-4.4850



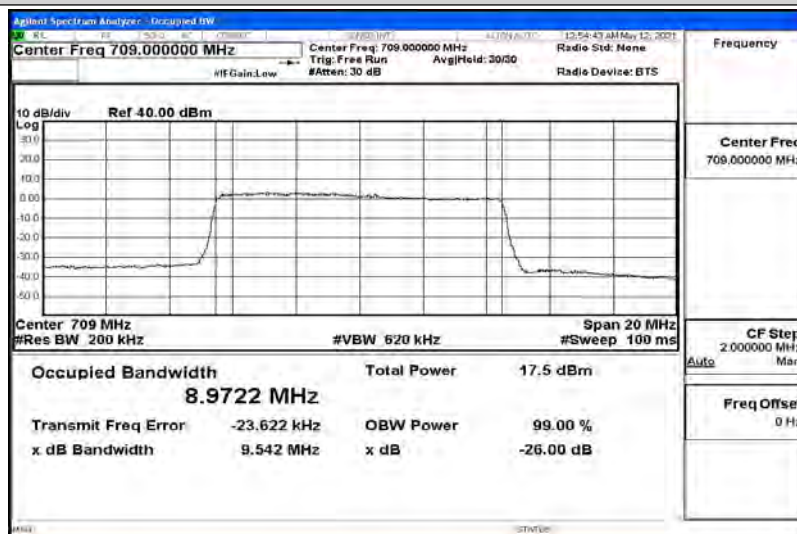
Band17-5MHz-16QAM-23790-25RB#0-4.5030



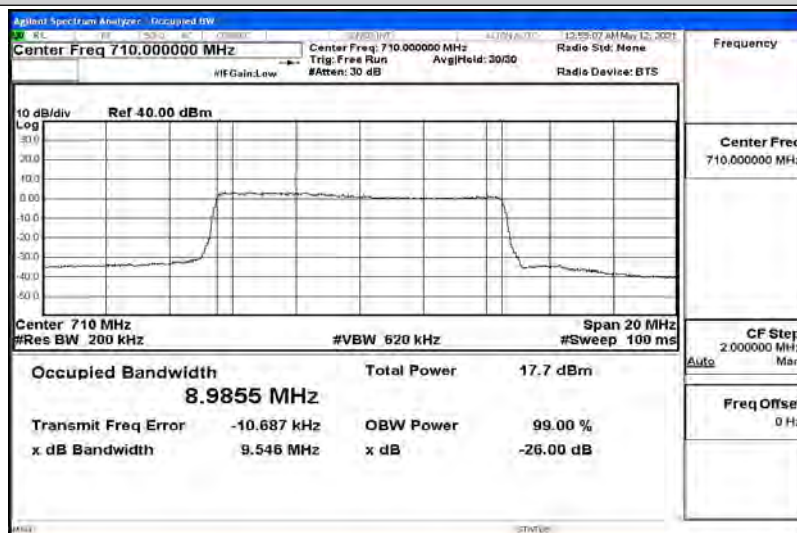
Band17-5MHz-16QAM-23825-25RB#0-4.5068



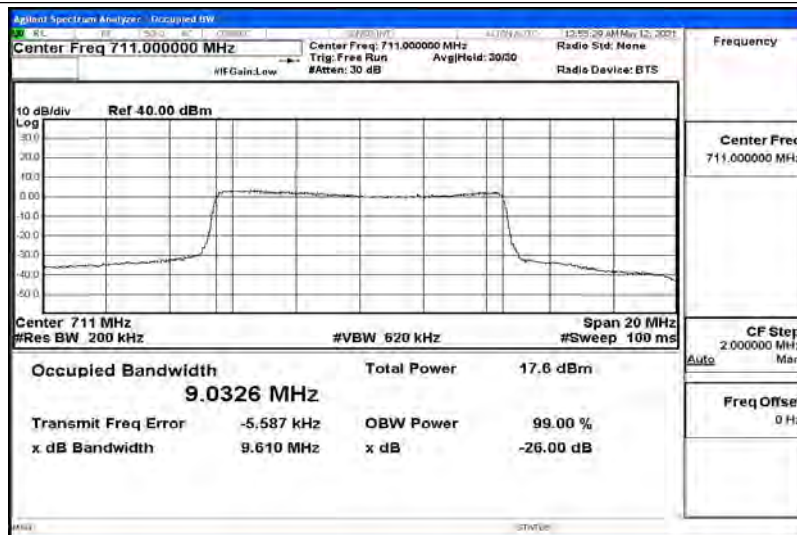
Band17-10MHz-QPSK-23780-50RB#0-8.9722



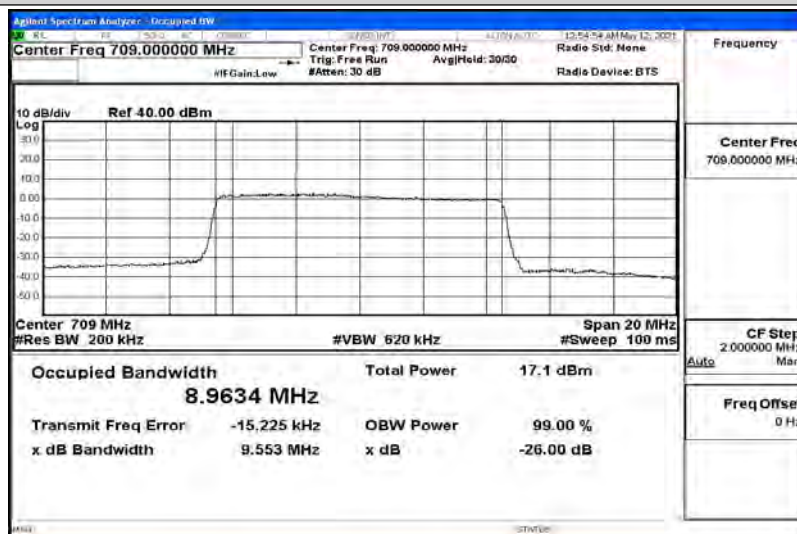
Band17-10MHz-QPSK-23790-50RB#0-8.9855



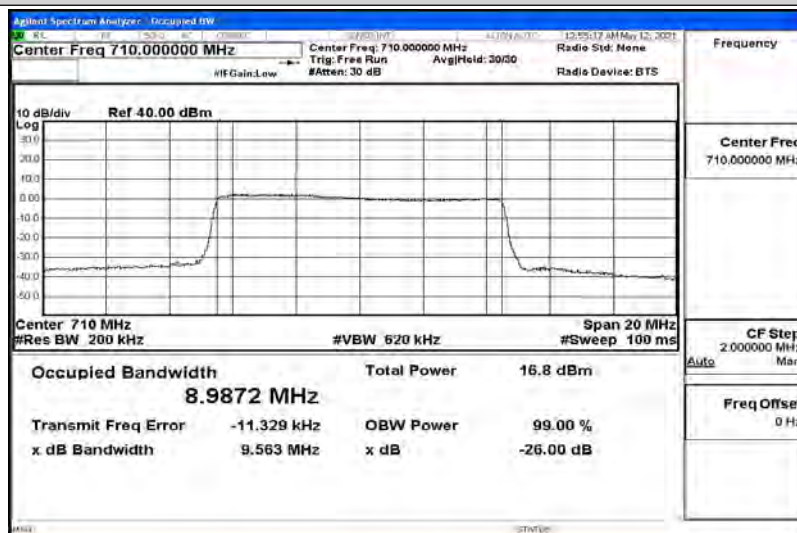
Band17-10MHz-QPSK-23800-50RB#0-9.0326



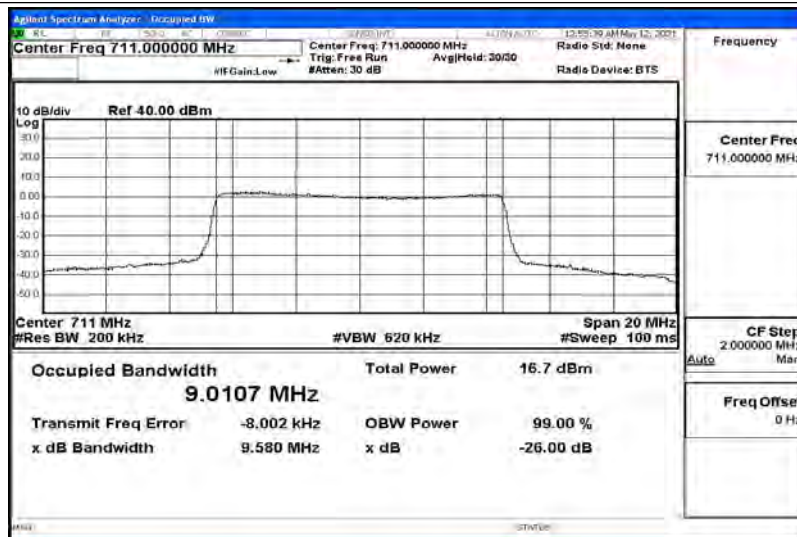
Band17-10MHz-16QAM-23780-50RB#0-8.9634



Band17-10MHz-16QAM-23790-50RB#0-8.9872



Band17-10MHz-16QAM-23800-50RB#0-9.0107



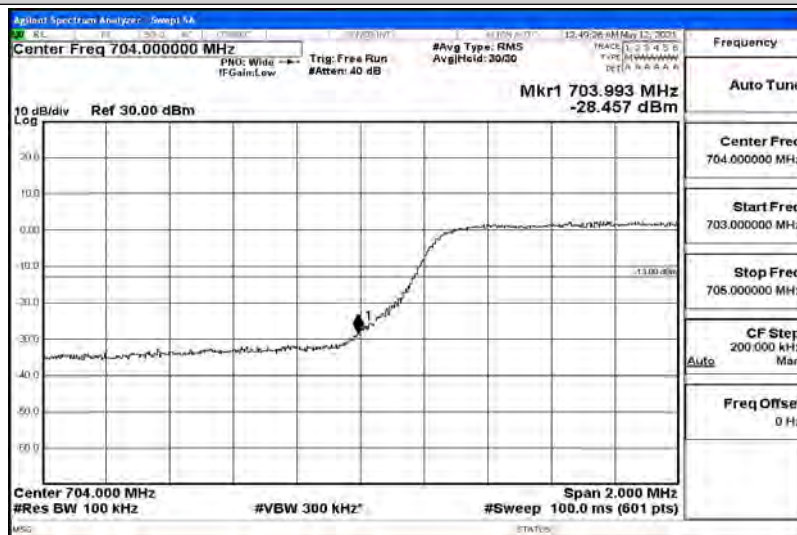
I.4 Band Edge

Test Result

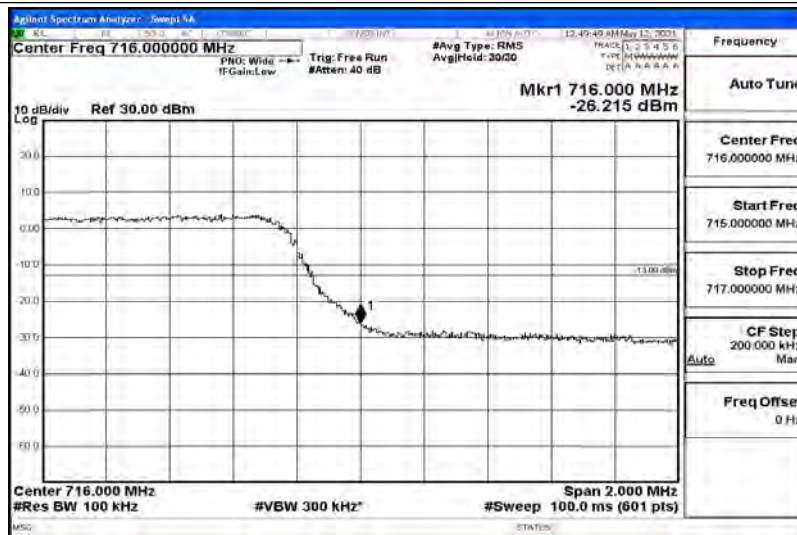
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	-28.46	PASS
Band17	5MHz	QPSK	23825	25RB#0	-26.21	PASS
Band17	5MHz	16QAM	23755	25RB#0	-29.16	PASS
Band17	5MHz	16QAM	23825	25RB#0	-24.96	PASS
Band17	10MHz	QPSK	23780	50RB#0	-30.20	PASS
Band17	10MHz	QPSK	23800	50RB#0	-28.84	PASS
Band17	10MHz	16QAM	23780	50RB#0	-30.47	PASS
Band17	10MHz	16QAM	23800	50RB#0	-30.05	PASS

Test Graphs

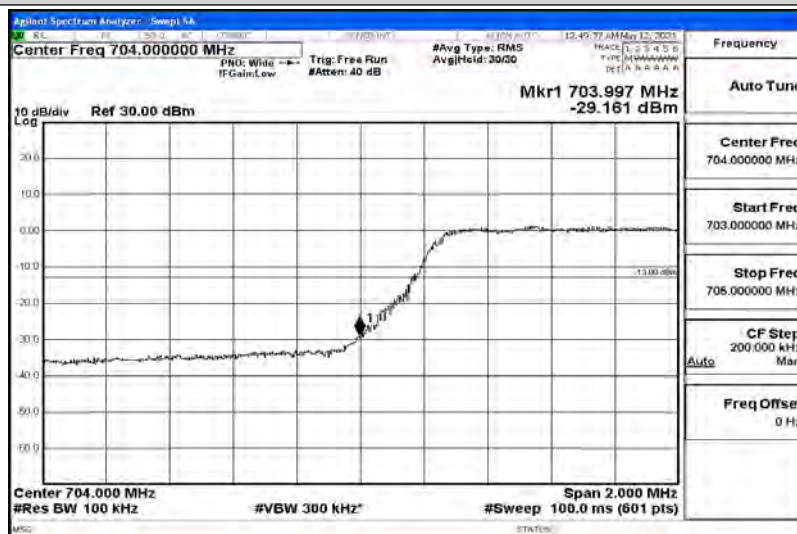
Band17-5MHz-QPSK-23755-25RB#0



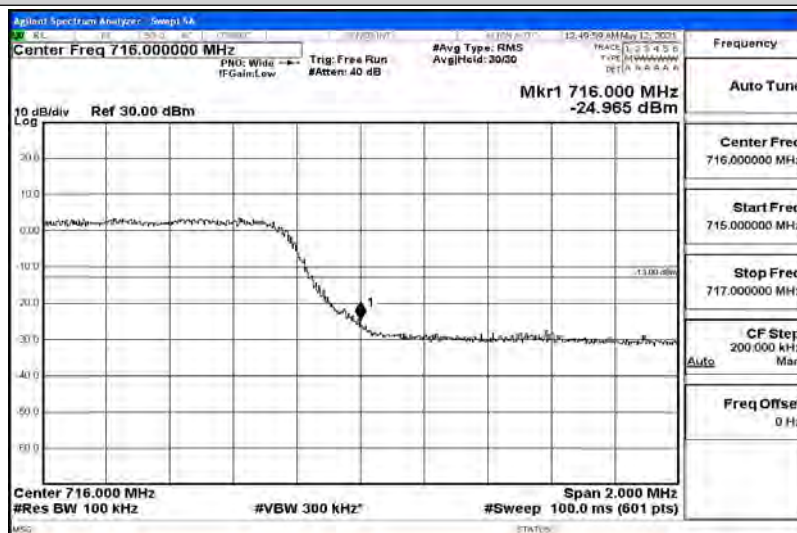
Band17-5MHz-QPSK-23825-25RB#0



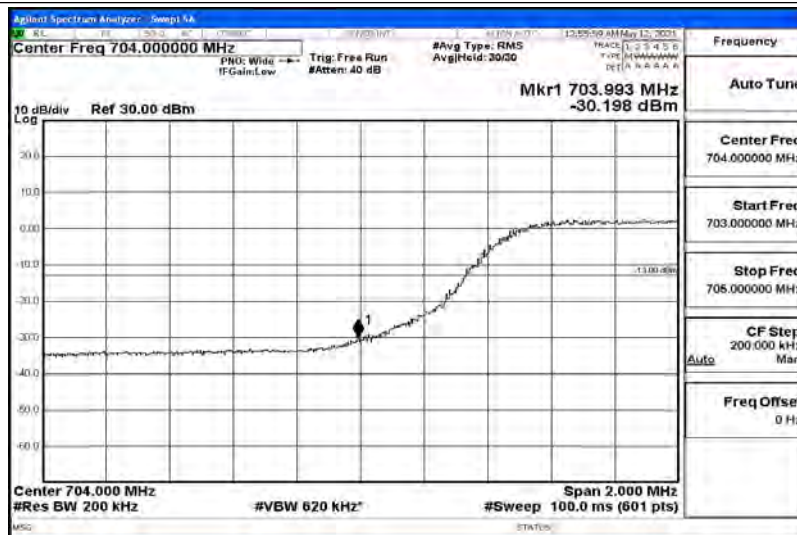
Band17-5MHz-16QAM-23755-25RB#0



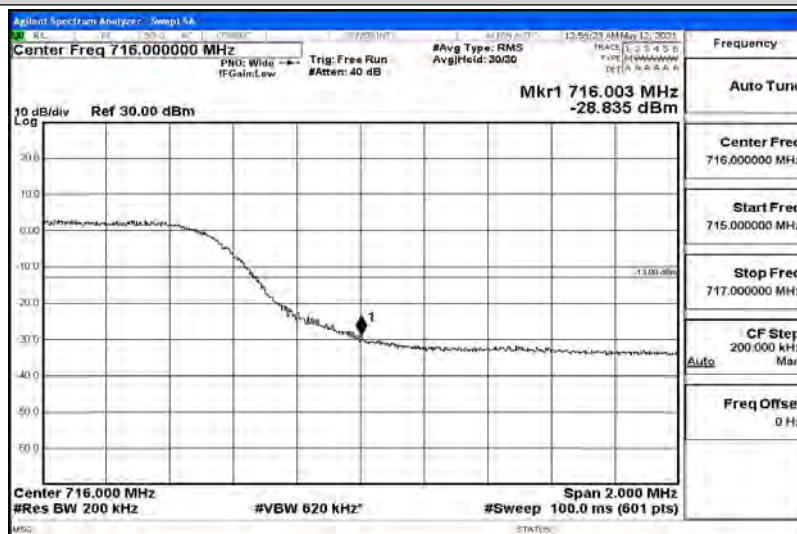
Band17-5MHz-16QAM-23825-25RB#0



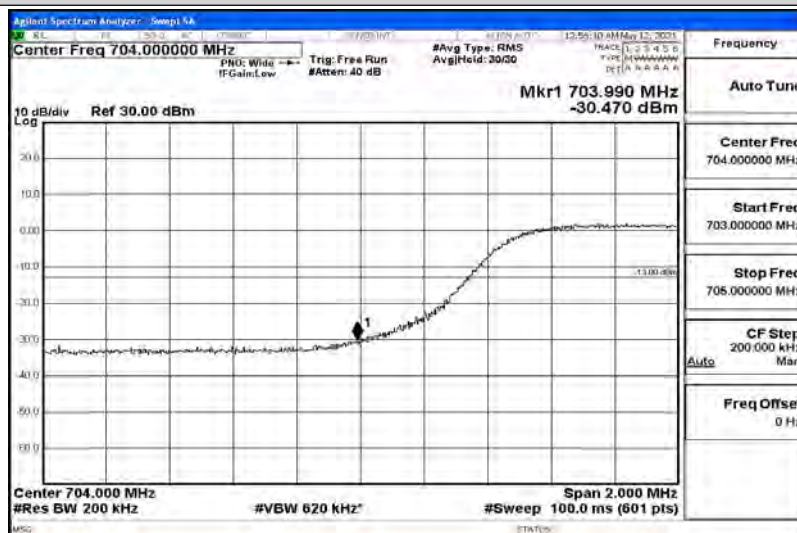
Band17-10MHz-QPSK-23780-50RB#0



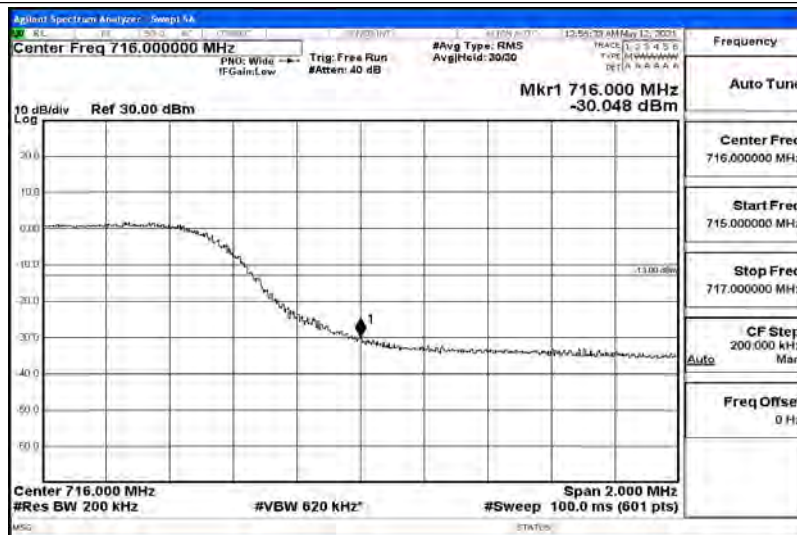
Band17-10MHz-QPSK-23800-50RB#0



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



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



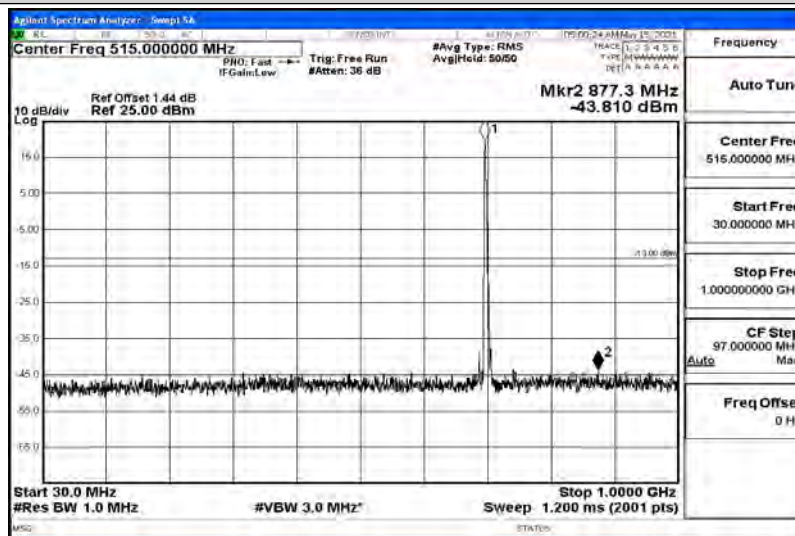
I.5 Conducted Spurious Emission

Test Result

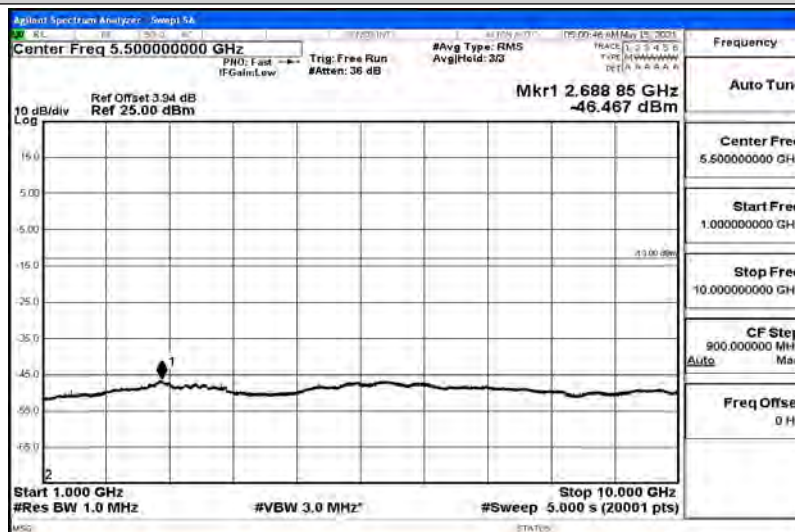
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	Range1:30~1000MHz	-43.81	PASS
Band17	5MHz	QPSK	23755	1RB#0	Range2:1000~10000MHz	-46.47	PASS
Band17	5MHz	QPSK	23790	1RB#0	Range1:30~1000MHz	-42.81	PASS
Band17	5MHz	QPSK	23790	1RB#0	Range2:1000~10000MHz	-46.58	PASS
Band17	5MHz	QPSK	23825	1RB#0	Range1:30~1000MHz	-43.83	PASS
Band17	5MHz	QPSK	23825	1RB#0	Range2:1000~10000MHz	-46.48	PASS
Band17	5MHz	16QAM	23755	1RB#0	Range1:30~1000MHz	-43.77	PASS
Band17	5MHz	16QAM	23755	1RB#0	Range2:1000~10000MHz	-46.7	PASS
Band17	5MHz	16QAM	23790	1RB#0	Range1:30~1000MHz	-43.96	PASS
Band17	5MHz	16QAM	23790	1RB#0	Range2:1000~10000MHz	-46.5	PASS
Band17	5MHz	16QAM	23825	1RB#0	Range1:30~1000MHz	-43.6	PASS
Band17	5MHz	16QAM	23825	1RB#0	Range2:1000~10000MHz	-46.57	PASS
Band17	10MHz	QPSK	23780	1RB#0	Range1:30~1000MHz	-43.07	PASS
Band17	10MHz	QPSK	23780	1RB#0	Range2:1000~10000MHz	-46.48	PASS
Band17	10MHz	QPSK	23790	1RB#0	Range1:30~1000MHz	-43.35	PASS
Band17	10MHz	QPSK	23790	1RB#0	Range2:1000~10000MHz	-46.5	PASS
Band17	10MHz	QPSK	23800	1RB#0	Range1:30~1000MHz	-42.96	PASS
Band17	10MHz	QPSK	23800	1RB#0	Range2:1000~10000MHz	-46.56	PASS
Band17	10MHz	16QAM	23780	1RB#0	Range1:30~1000MHz	-43.57	PASS
Band17	10MHz	16QAM	23780	1RB#0	Range2:1000~10000MHz	-46.6	PASS
Band17	10MHz	16QAM	23790	1RB#0	Range1:30~1000MHz	-43.48	PASS
Band17	10MHz	16QAM	23790	1RB#0	Range2:1000~10000MHz	-46.55	PASS
Band17	10MHz	16QAM	23800	1RB#0	Range1:30~1000MHz	-42.72	PASS
Band17	10MHz	16QAM	23800	1RB#0	Range2:1000~10000MHz	-46.51	PASS

Test Graphs

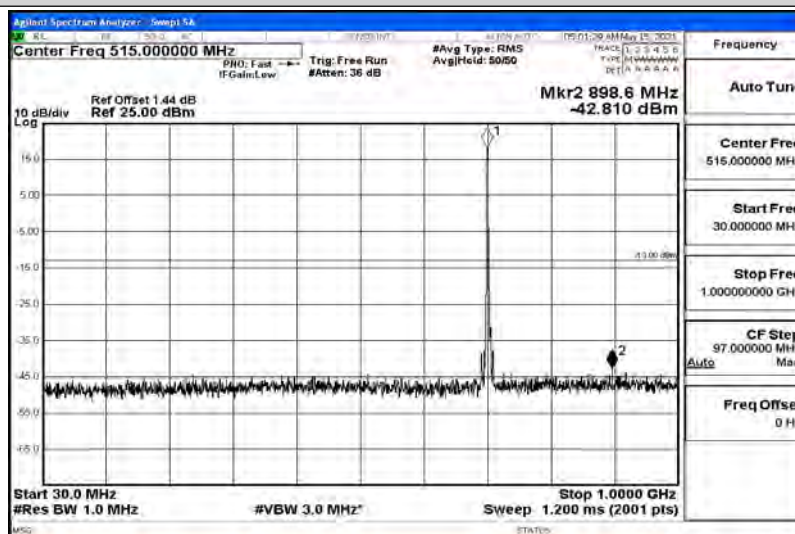
Band17-5MHz-QPSK-23755-1RB#0-Range1:30~1000MHz



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



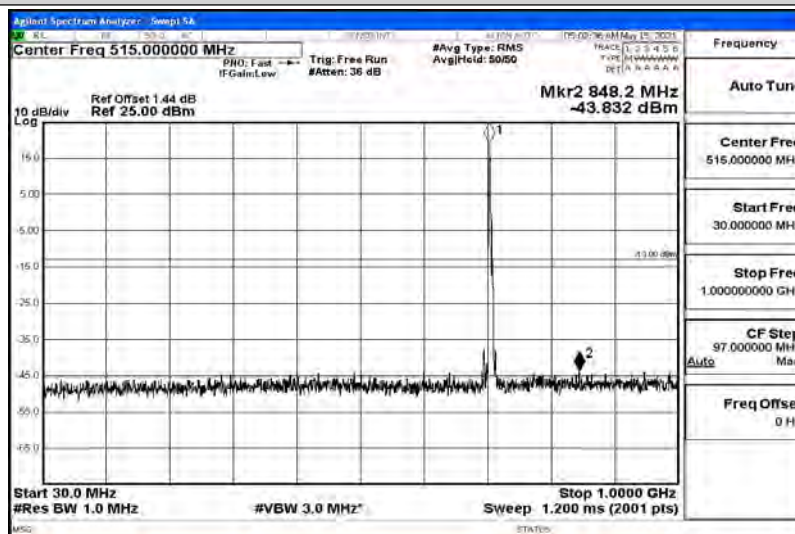
Band17-5MHz-QPSK-23790-1RB#0-Range1:30~1000MHz



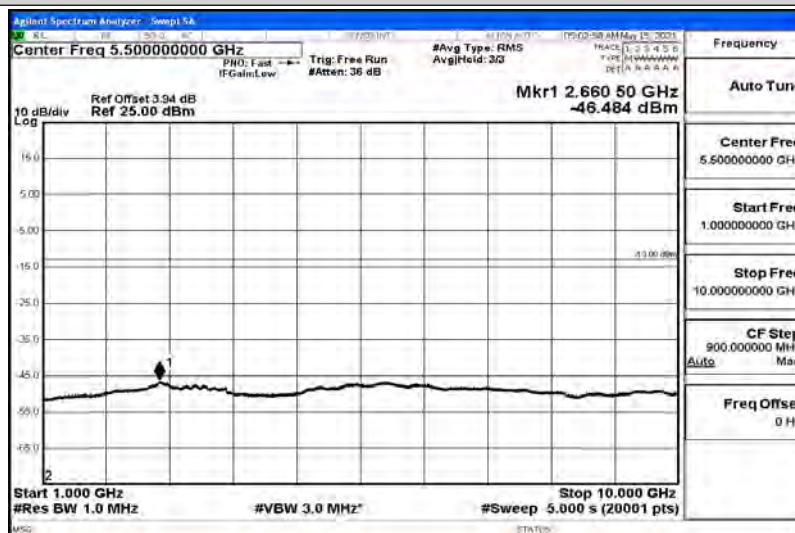
Band17-5MHz-QPSK-23790-1RB#0-Range2:1000~10000MHz



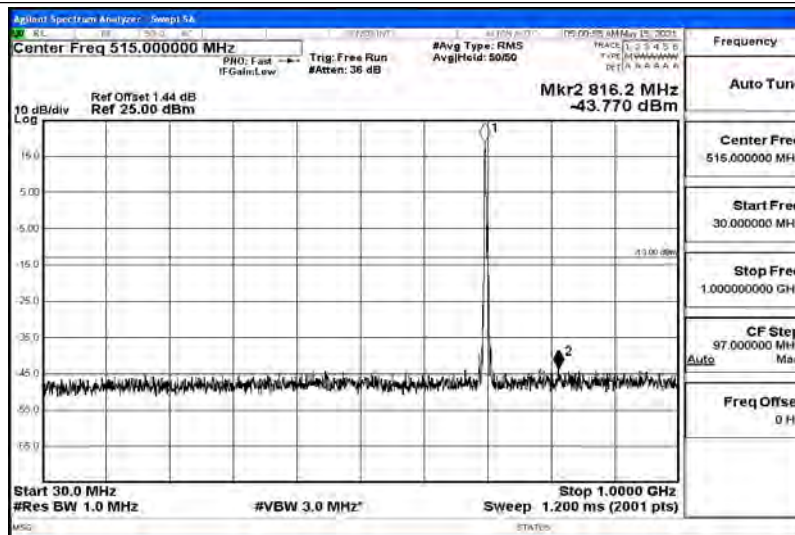
Band17-5MHz-QPSK-23825-1RB#0-Range1:30~1000MHz



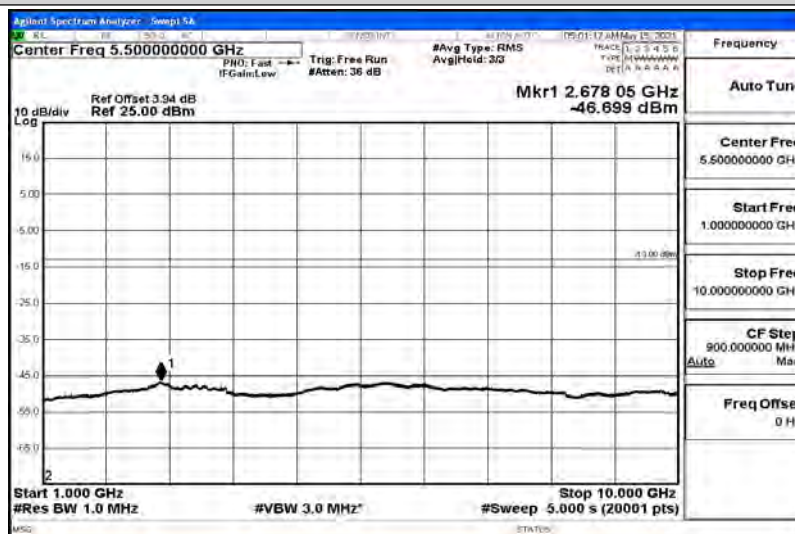
Band17-5MHz-QPSK-23825-1RB#0-Range2:1000~10000MHz



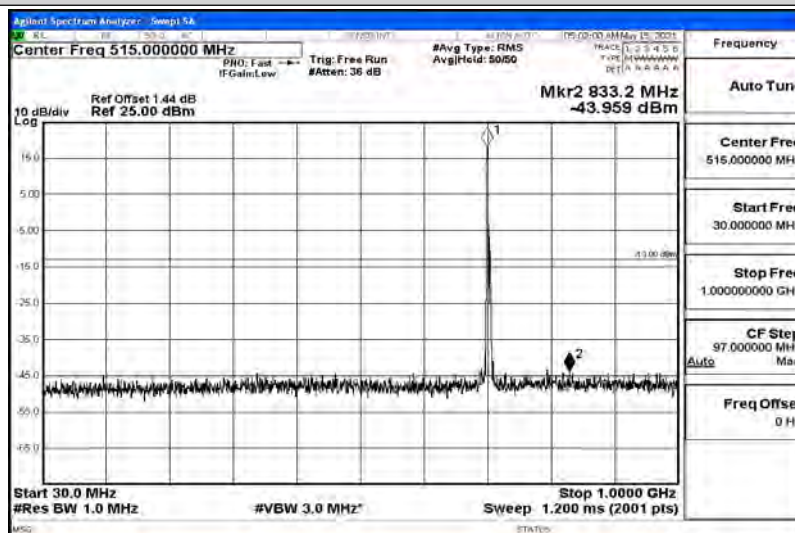
Band17-5MHz-16QAM-23755-1RB#0-Range1:30~1000MHz



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



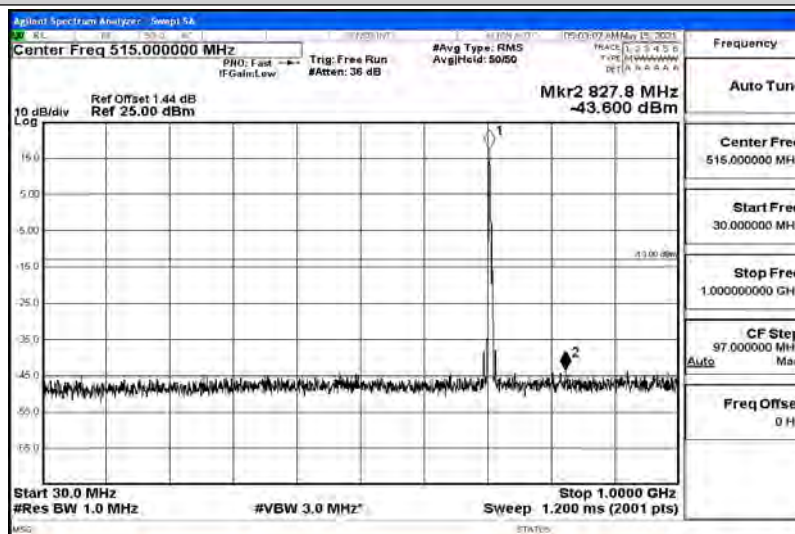
Band17-5MHz-16QAM-23790-1RB#0-Range1:30~1000MHz



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



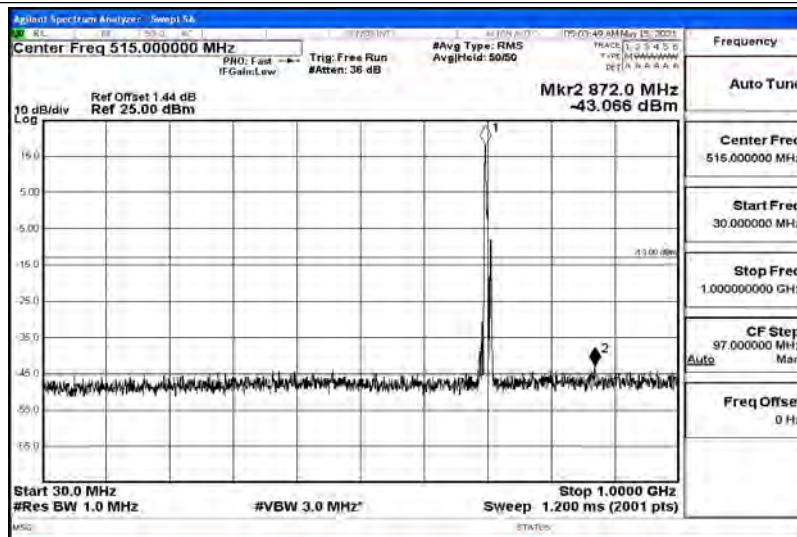
Band17-5MHz-16QAM-23825-1RB#0-Range1:30~1000MHz



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



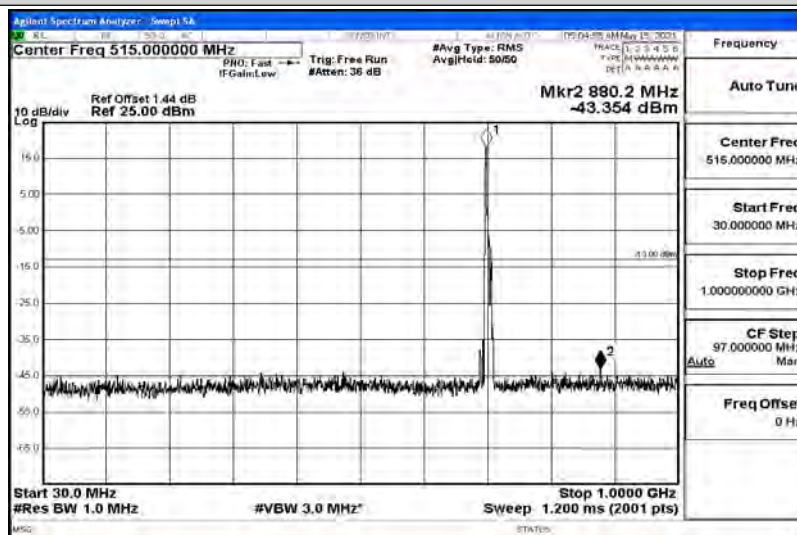
Band17-10MHz-QPSK-23780-1RB#0-Range1:30~1000MHz



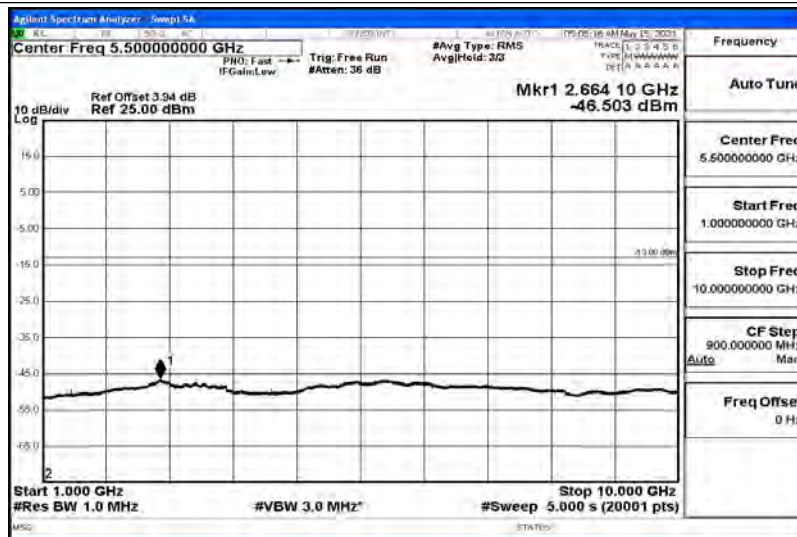
Band17-10MHz-QPSK-23780-1RB#0-Range2:1000~10000MHz



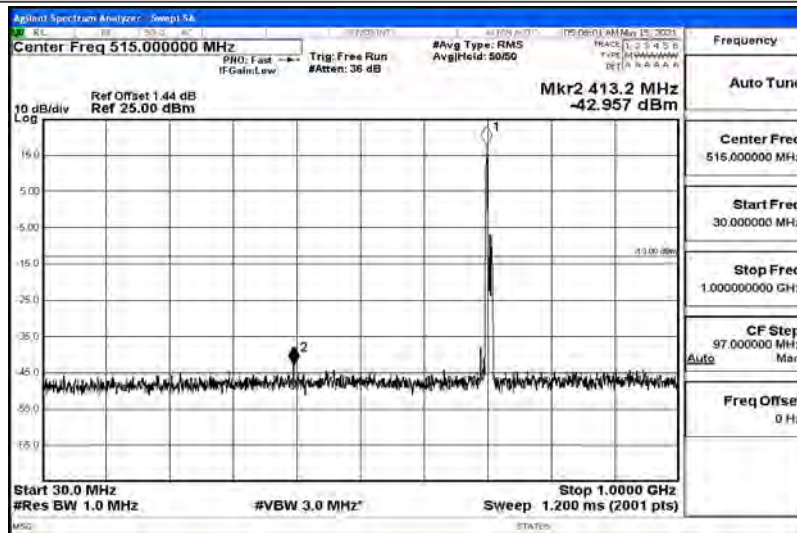
Band17-10MHz-QPSK-23790-1RB#0-Range1:30~1000MHz



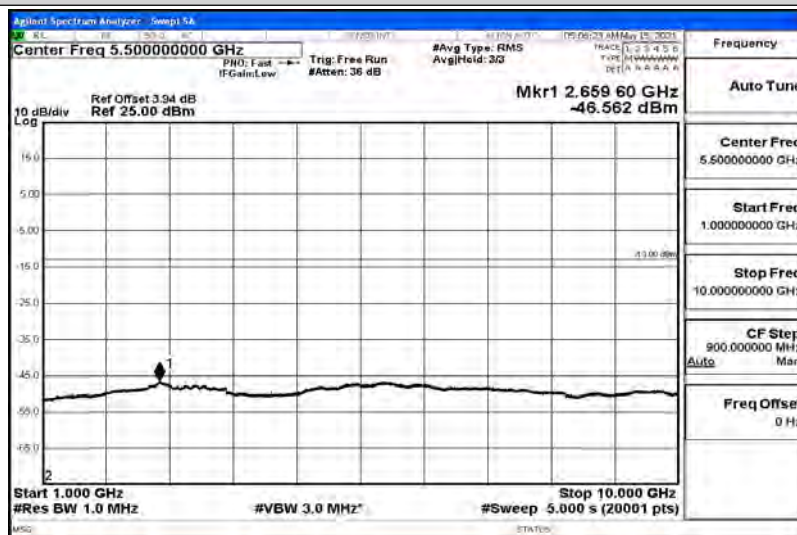
Band17-10MHz-QPSK-23790-1RB#0-Range2:1000~10000MHz



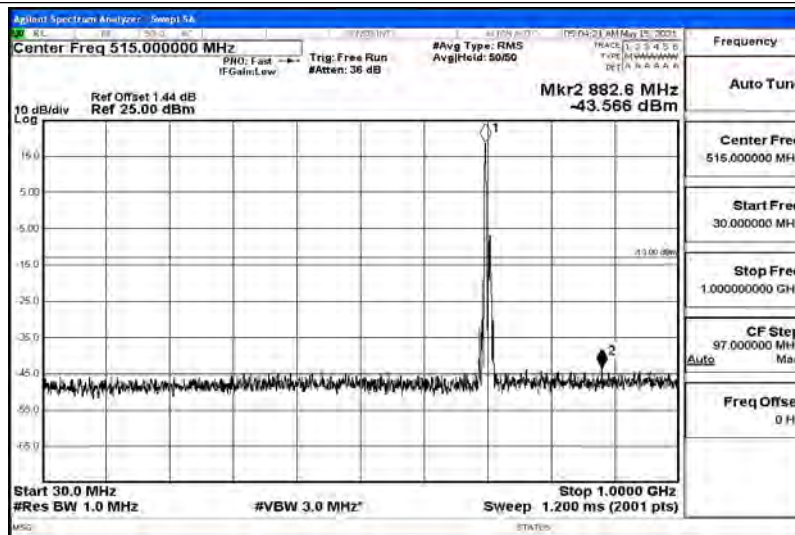
Band17-10MHz-QPSK-23800-1RB#0-Range1:30~1000MHz



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



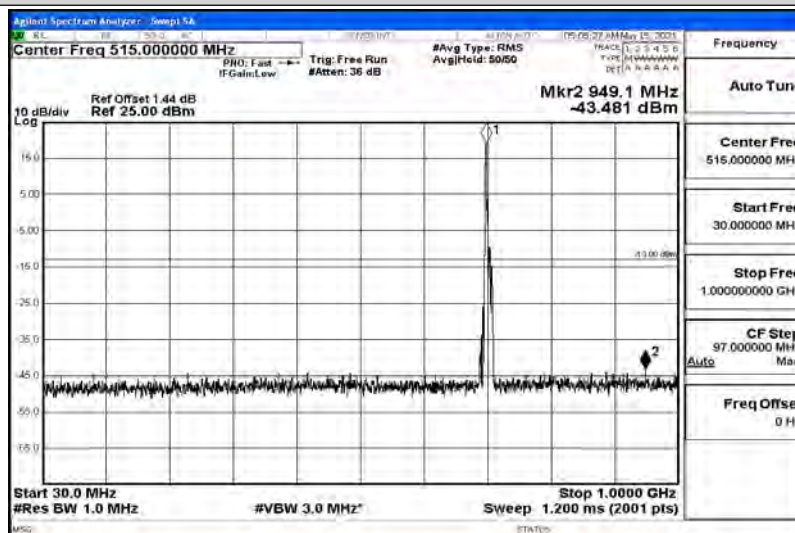
Band17-10MHz-16QAM-23780-1RB#0-Range1:30~1000MHz



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



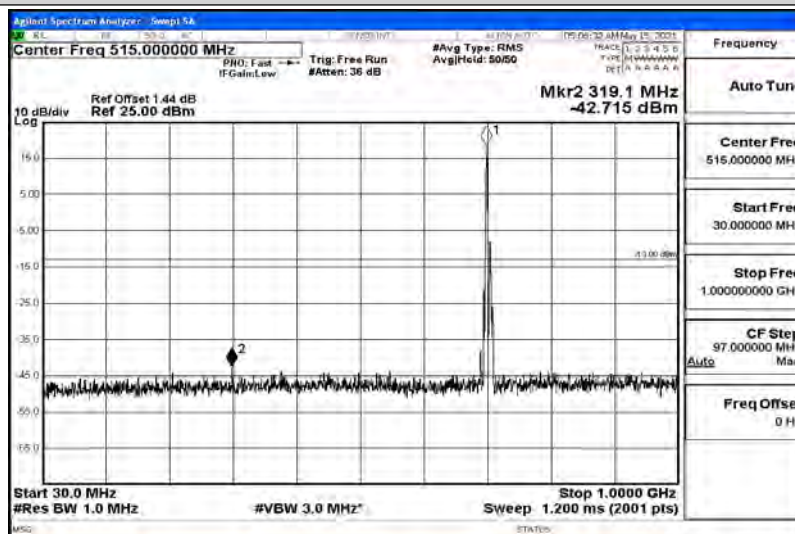
Band17-10MHz-16QAM-23790-1RB#0-Range1:30~1000MHz



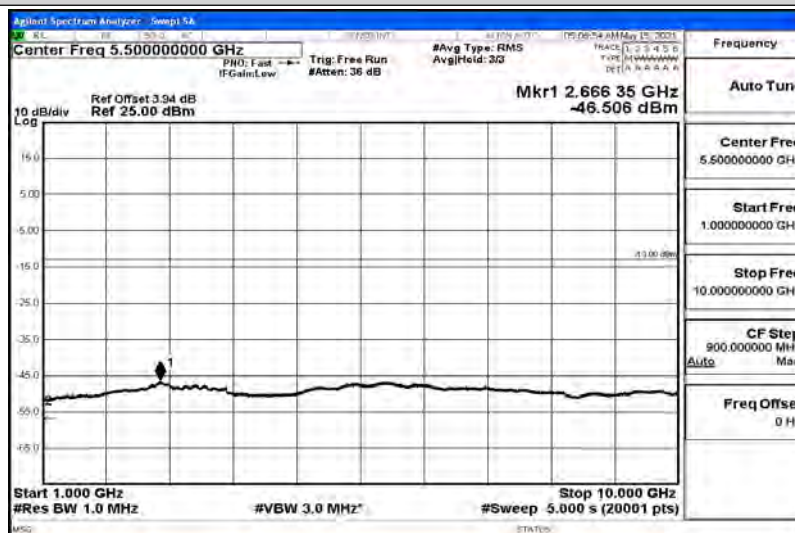
Band17-10MHz-16QAM-23790-1RB#0-Range2:1000~10000MHz



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.