

Appendix test data for LTE band 17

Temperature:	25 ° C
Humidity:	44 %
Atmospheric pressure:	950-1050mbar
Test Engineer:	Aaron Tan

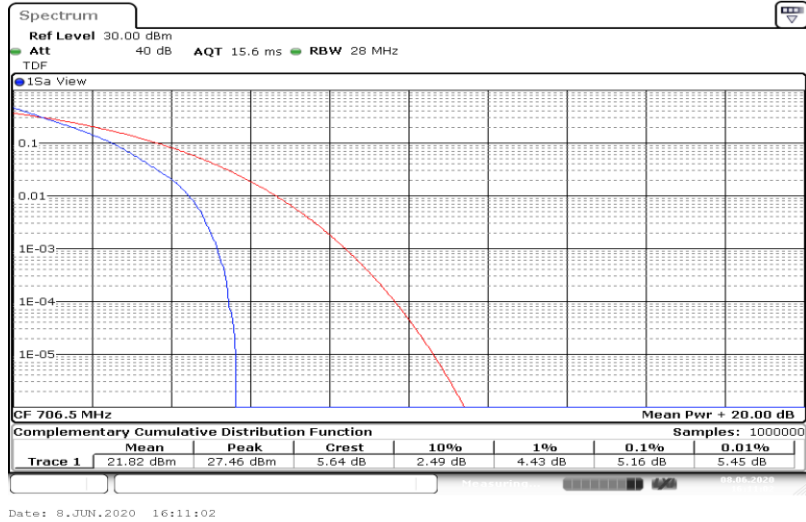
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

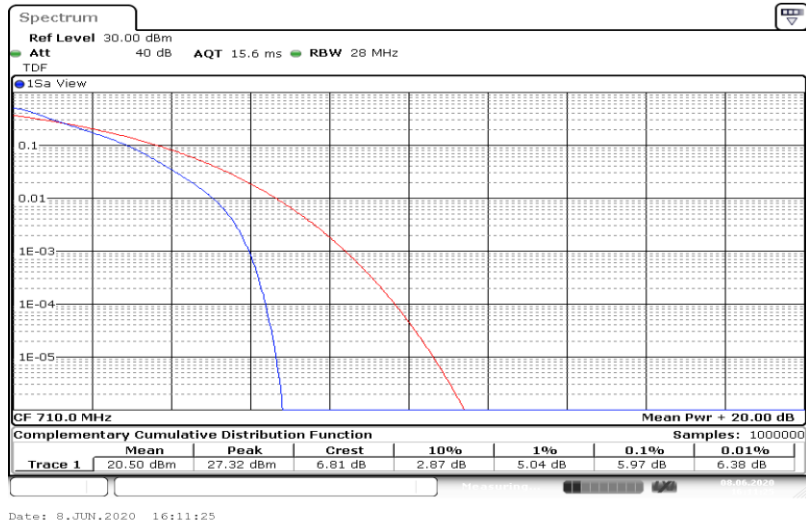
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	5.16	13	PASS
Band17	5MHz	QPSK	23790	25RB#0	5.97	13	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.78	13	PASS
Band17	5MHz	16QAM	23755	25RB#0	6.06	13	PASS
Band17	5MHz	16QAM	23790	25RB#0	6.32	13	PASS
Band17	5MHz	16QAM	23825	25RB#0	5.65	13	PASS
Band17	10MHz	QPSK	23780	50RB#0	5.36	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	6.00	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	6.03	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	6.20	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	6.20	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	6.17	13	PASS

Test Graphs

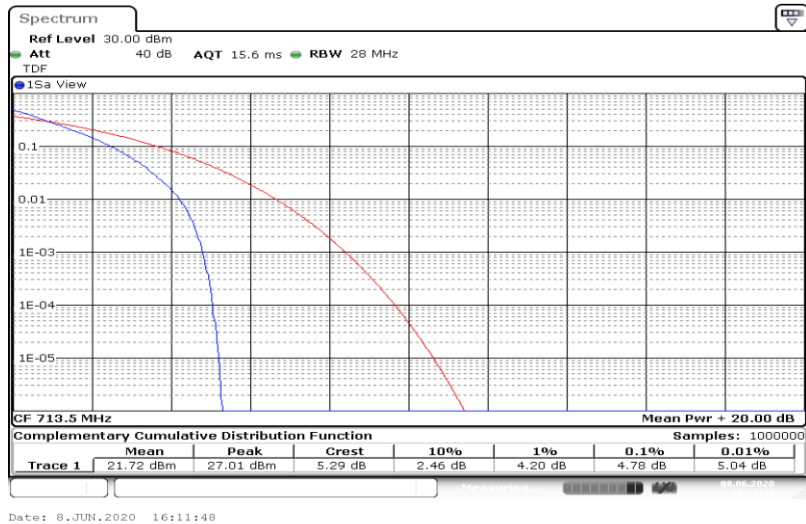
Band17-5MHz-QPSK-23755-25RB#0



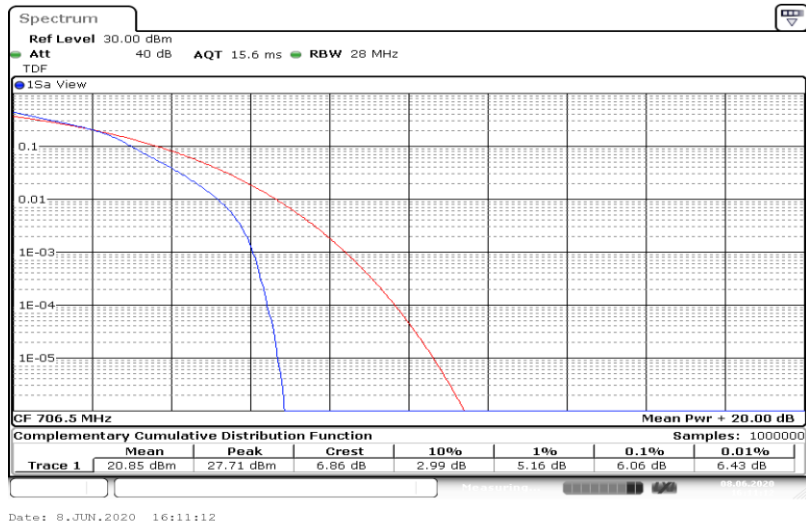
Band17-5MHz-QPSK-23790-25RB#0



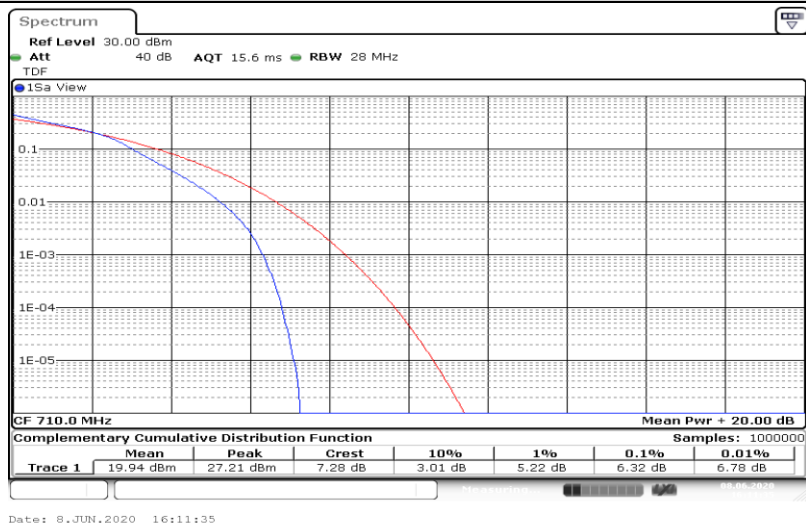
Band17-5MHz-QPSK-23825-25RB#0



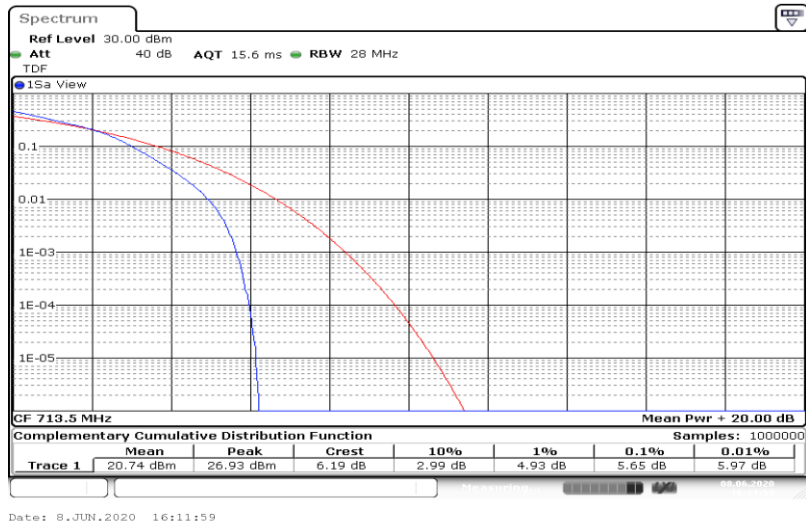
Band17-5MHz-16QAM-23755-25RB#0



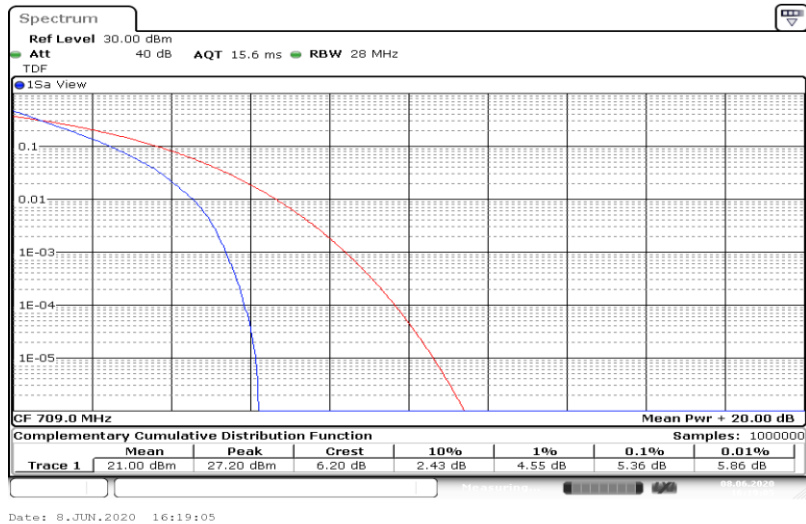
Band17-5MHz-16QAM-23790-25RB#0



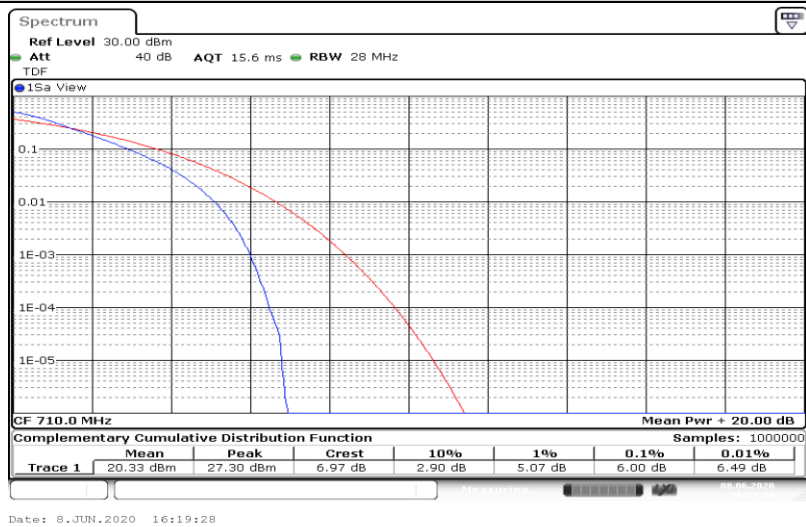
Band17-5MHz-16QAM-23825-25RB#0



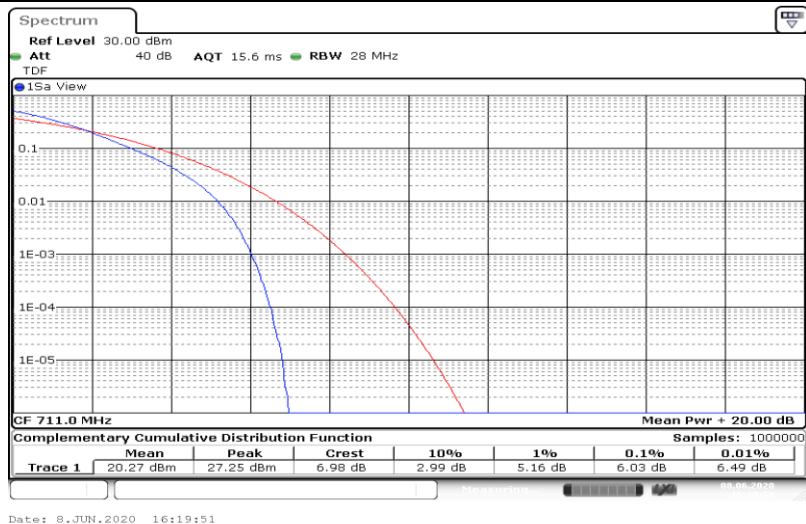
Band17-10MHz-QPSK-23780-50RB#0



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

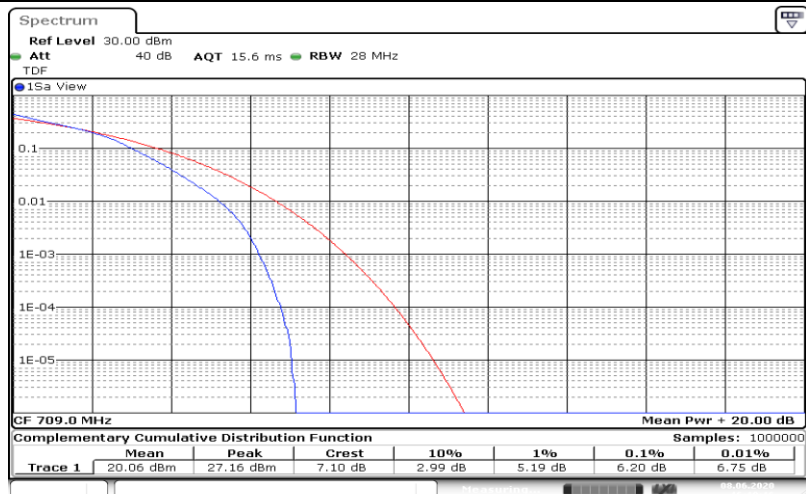


Band17-10MHz-QPSK-23800-50RB#0



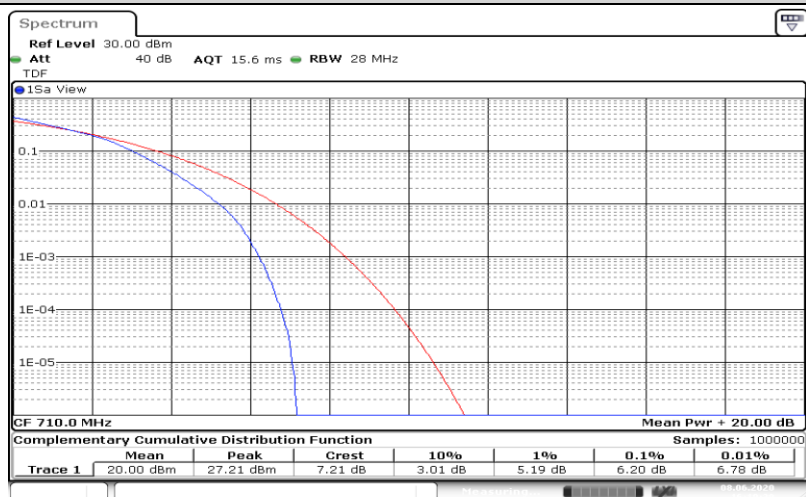
Date: 8.JUN.2020 16:19:51

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



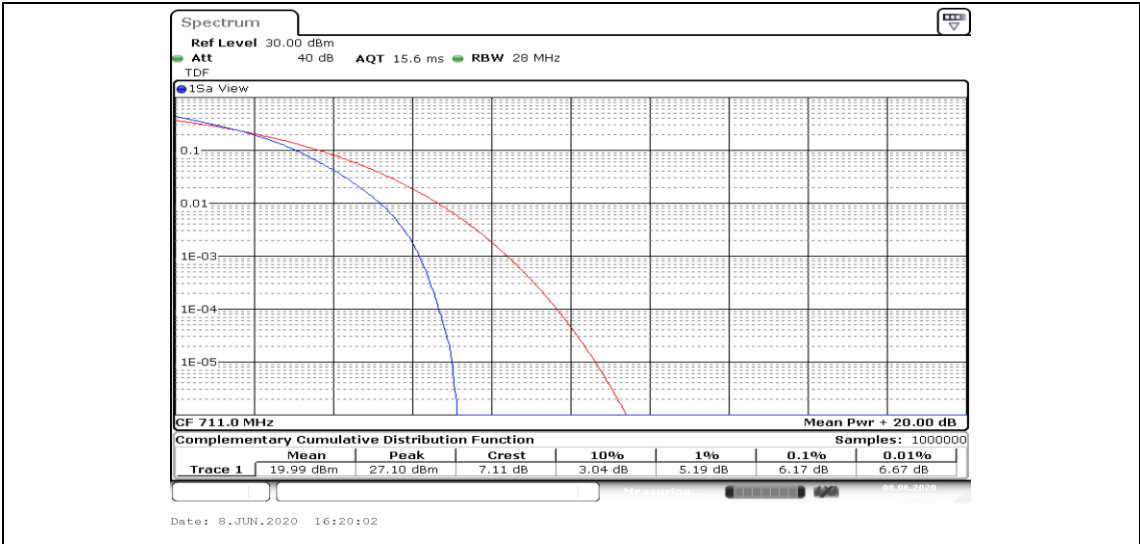
Date: 8.JUN.2020 16:19:16

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



Date: 8.JUN.2020 16:19:39

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

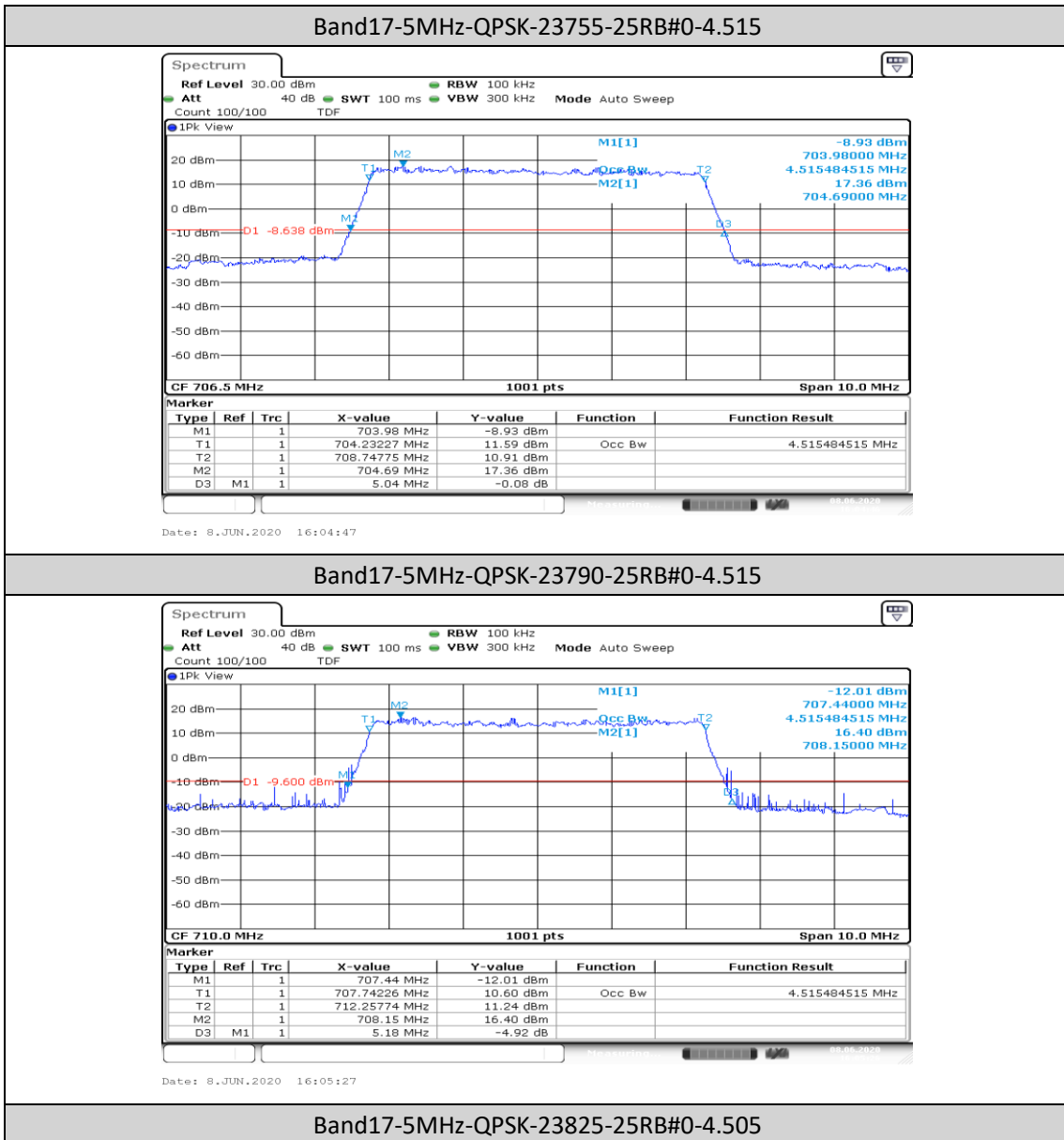


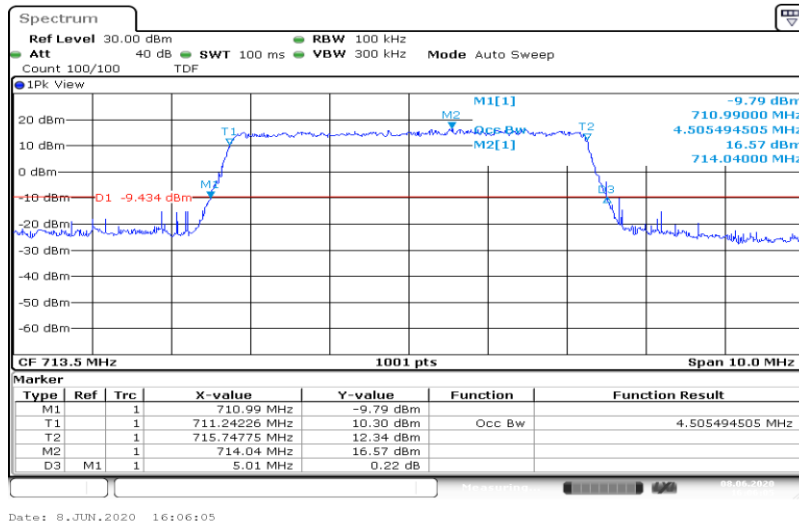
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

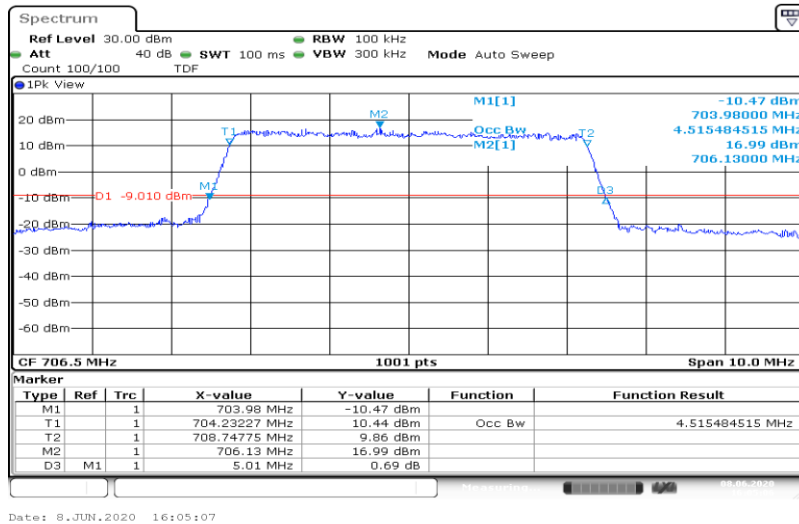
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.515	5.040	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.515	5.180	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.505	5.010	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.515	5.010	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.535	5.220	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.525	5.290	PASS
Band17	10MHz	QPSK	23780	50RB#0	9.052	9.967	PASS
Band17	10MHz	QPSK	23790	50RB#0	9.018	10.100	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.985	10.033	PASS
Band17	10MHz	16QAM	23780	50RB#0	9.052	9.967	PASS
Band17	10MHz	16QAM	23790	50RB#0	9.018	10.067	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.985	9.967	PASS

Test Graphs

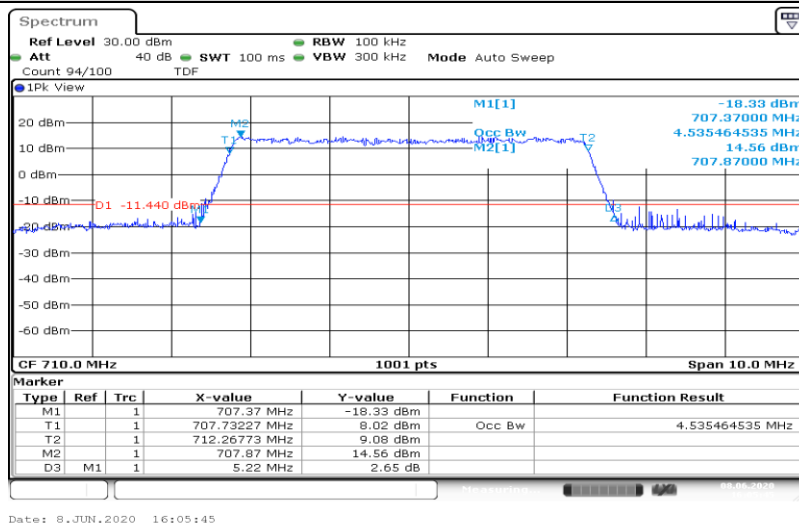




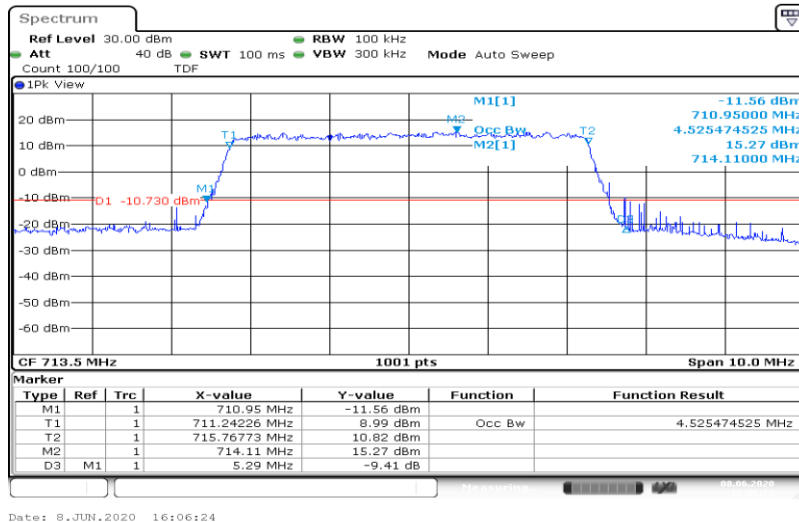
Band17-5MHz-16QAM-23755-25RB#0-4.515



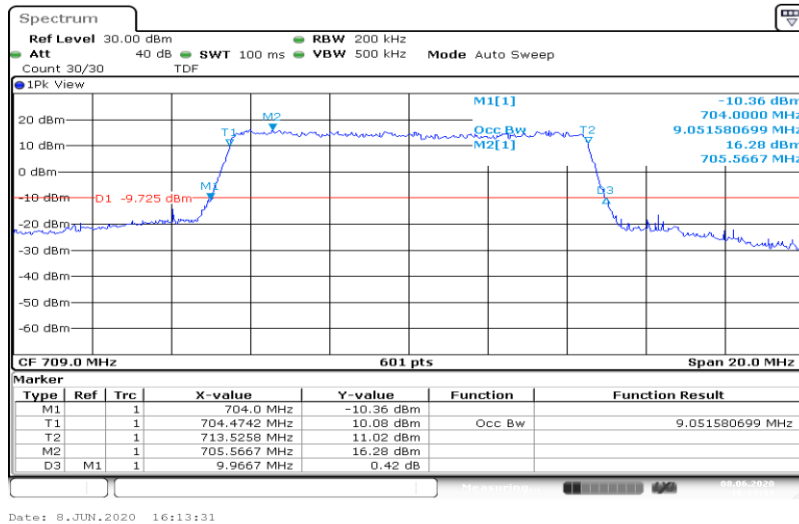
Band17-5MHz-16QAM-23790-25RB#0-4.535



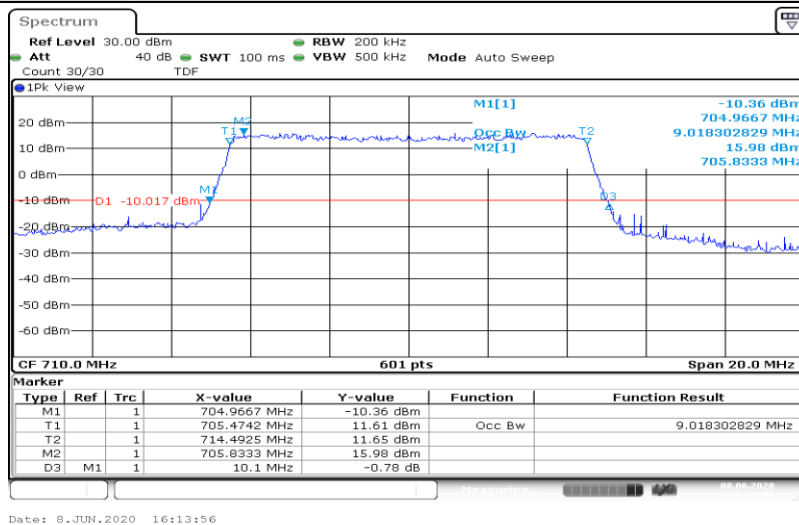
Band17-5MHz-16QAM-23825-25RB#0-4.525



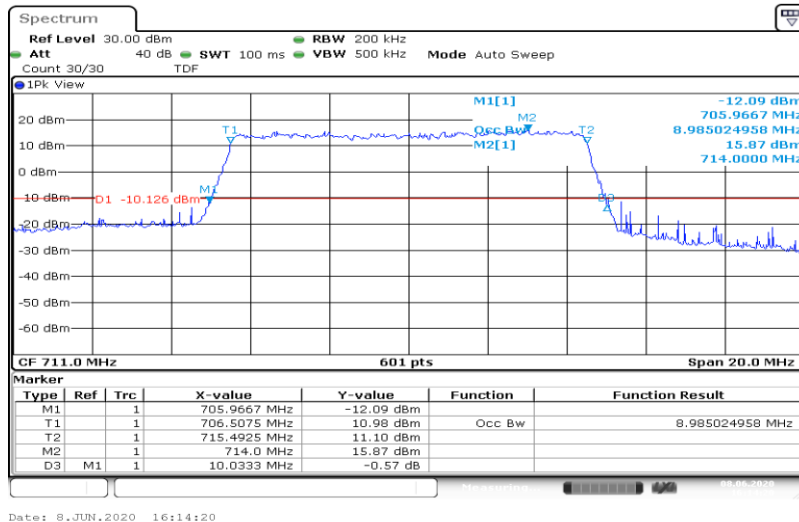
Band17-10MHz-QPSK-23780-50RB#0-9.052



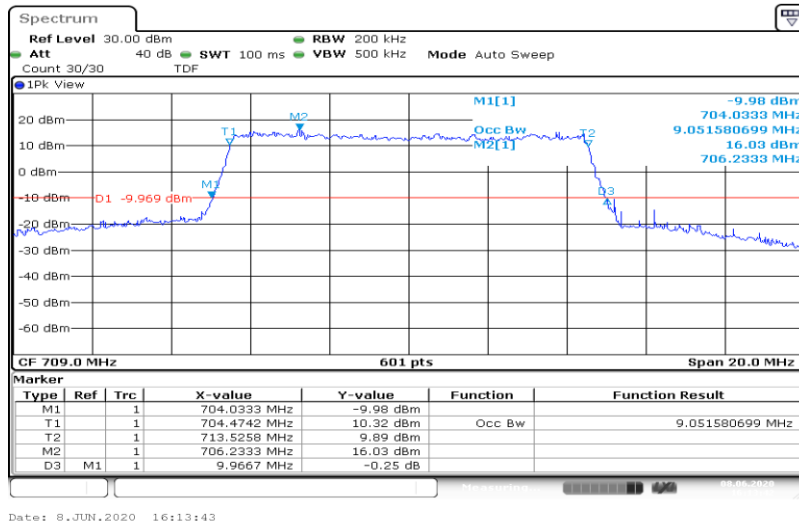
Band17-10MHz-QPSK-23790-50RB#0-9.018



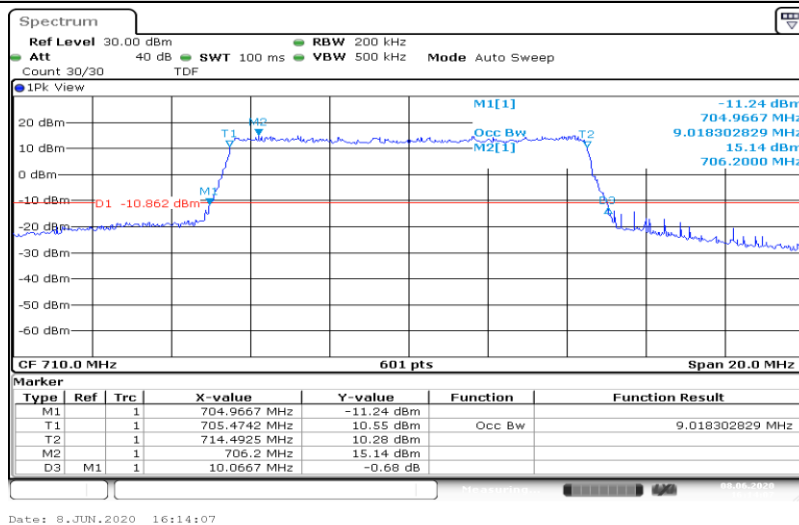
Band17-10MHz-QPSK-23800-50RB#0-8.985



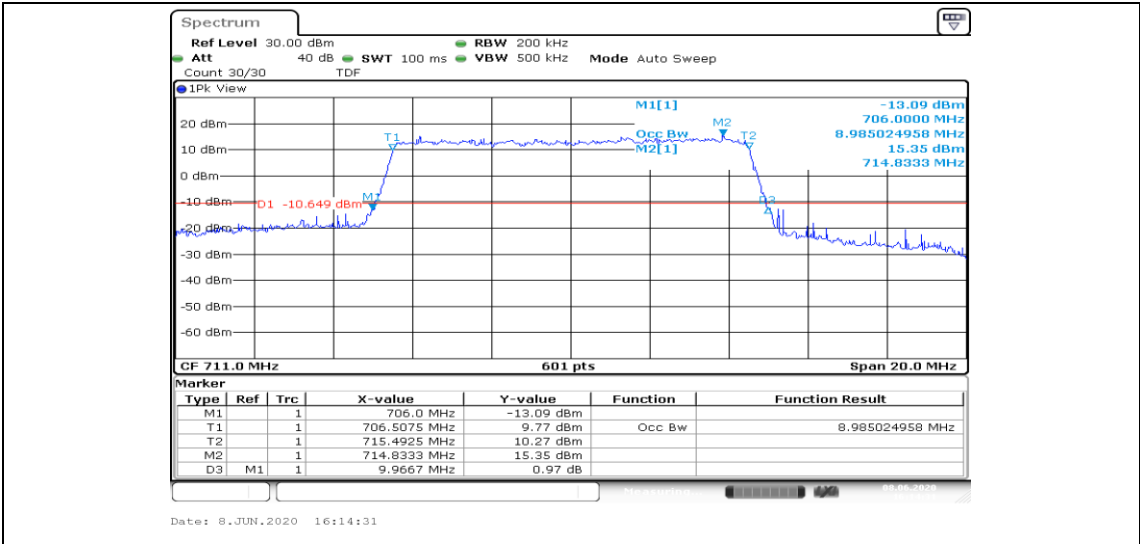
Band17-10MHz-16QAM-23780-50RB#0-9.052



Band17-10MHz-16QAM-23790-50RB#0-9.018



Band17-10MHz-16QAM-23800-50RB#0-8.985

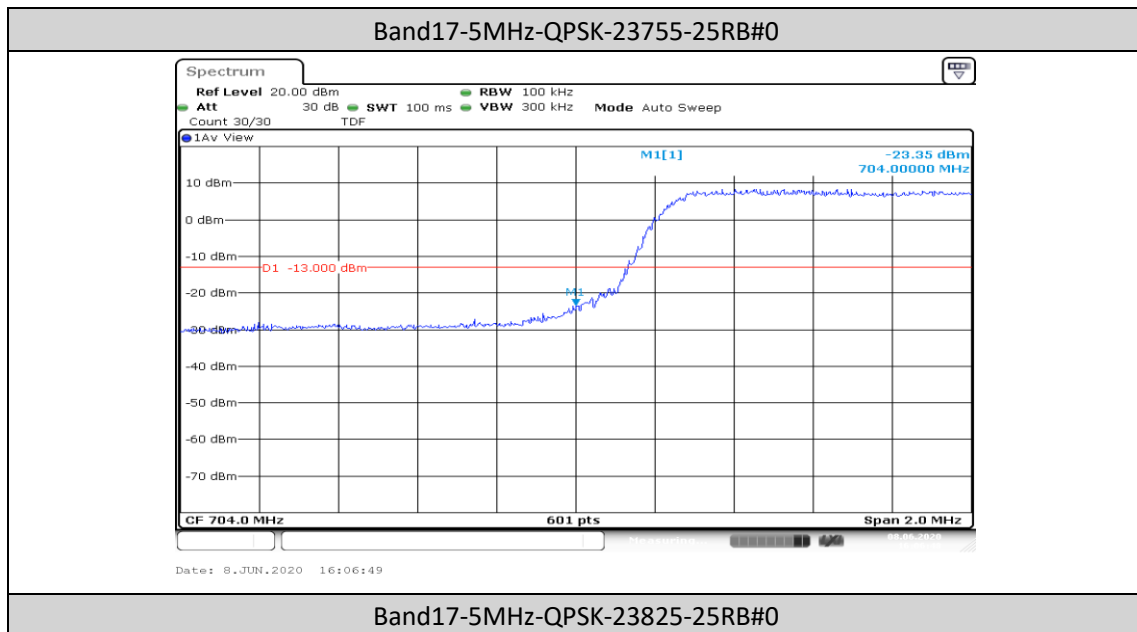


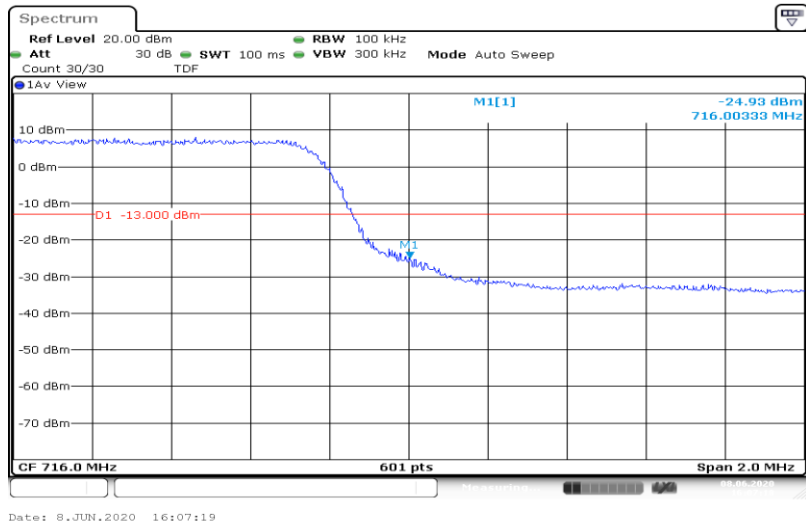
Appendix D: Band Edge

Test Result

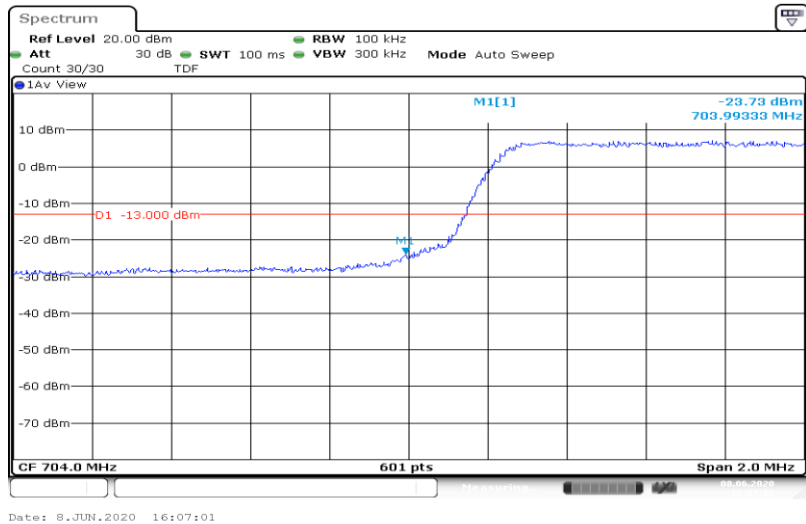
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	-23.35	PASS
Band17	5MHz	QPSK	23825	25RB#0	-24.93	PASS
Band17	5MHz	16QAM	23755	25RB#0	-23.73	PASS
Band17	5MHz	16QAM	23825	25RB#0	-25.39	PASS
Band17	10MHz	QPSK	23780	50RB#0	-25.20	PASS
Band17	10MHz	QPSK	23800	50RB#0	-29.17	PASS
Band17	10MHz	16QAM	23780	50RB#0	-26.27	PASS
Band17	10MHz	16QAM	23800	50RB#0	-28.32	PASS

Test Graphs

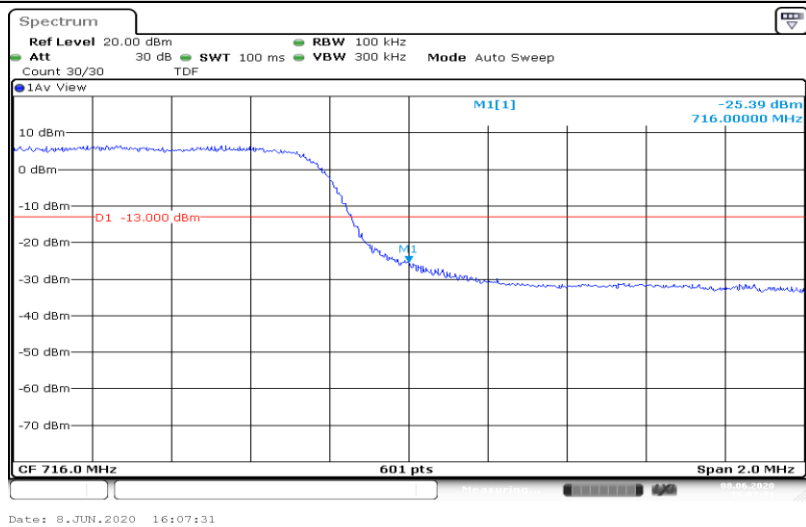




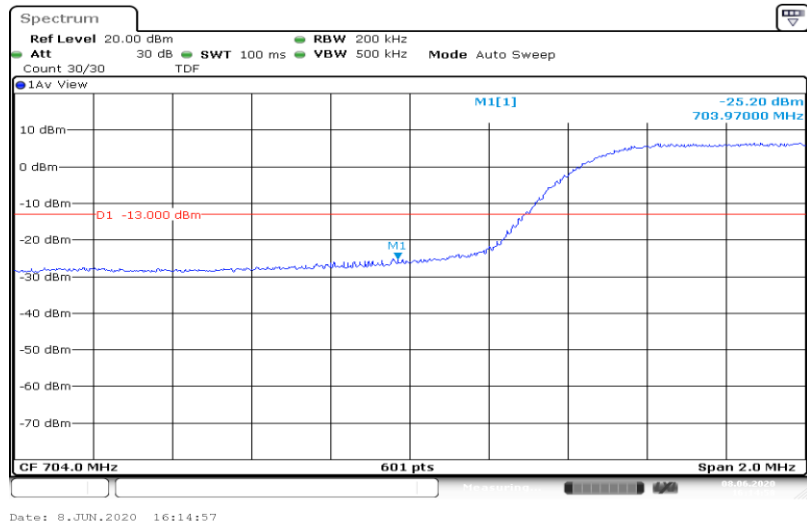
Band17-5MHz-16QAM-23755-25RB#0



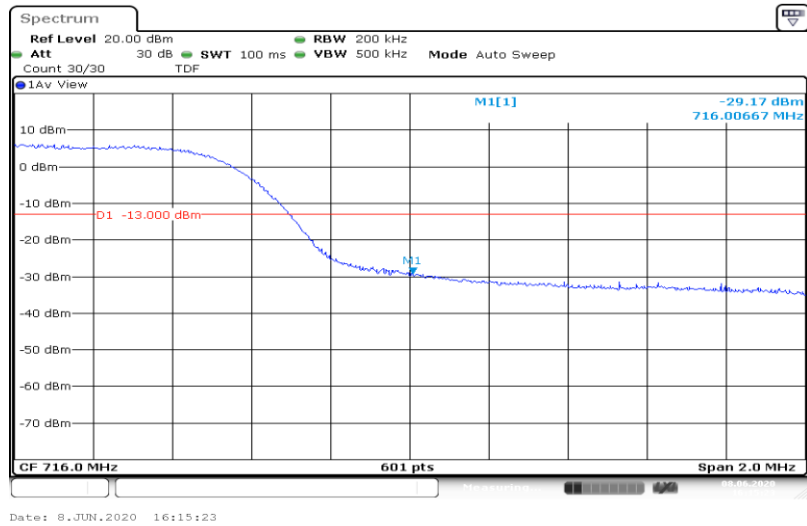
Band17-5MHz-16QAM-23825-25RB#0



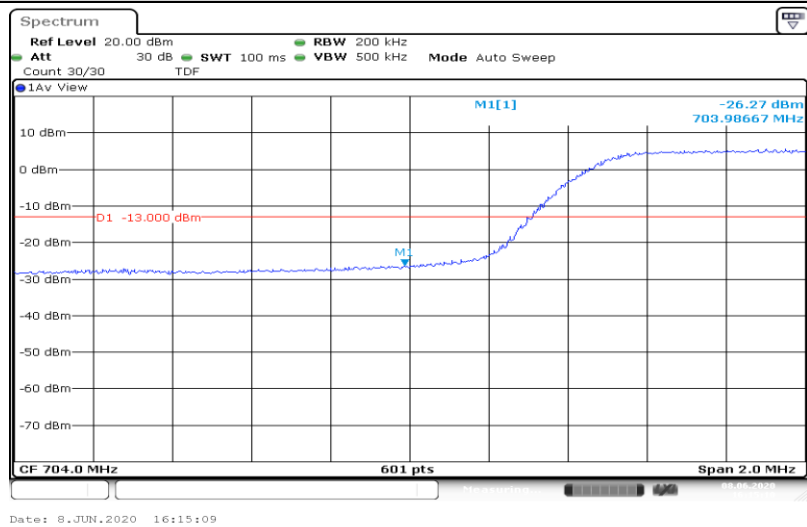
Band17-10MHz-QPSK-23780-50RB#0



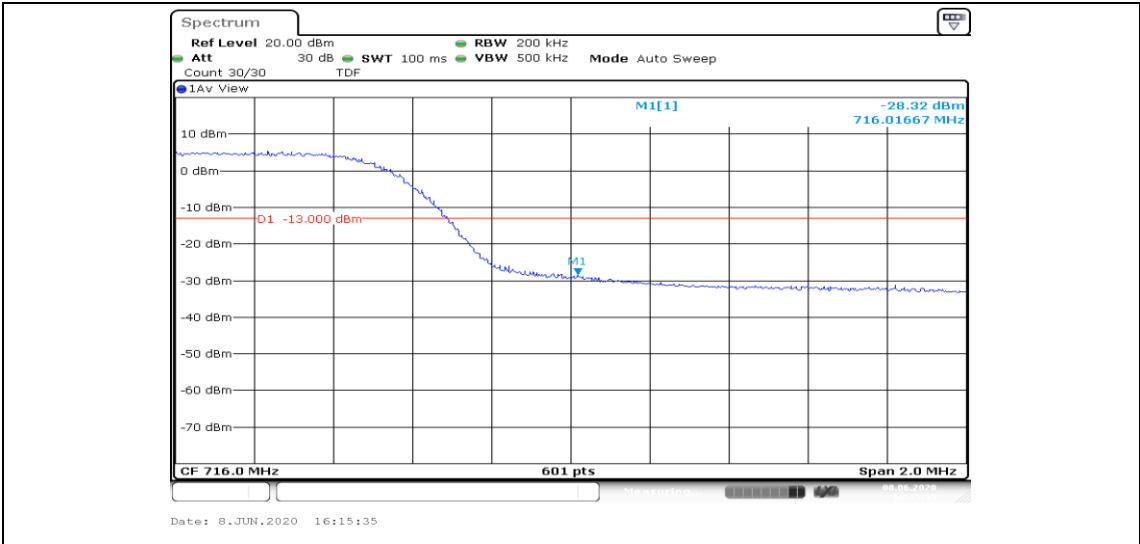
Band17-10MHz-QPSK-23800-50RB#0



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



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



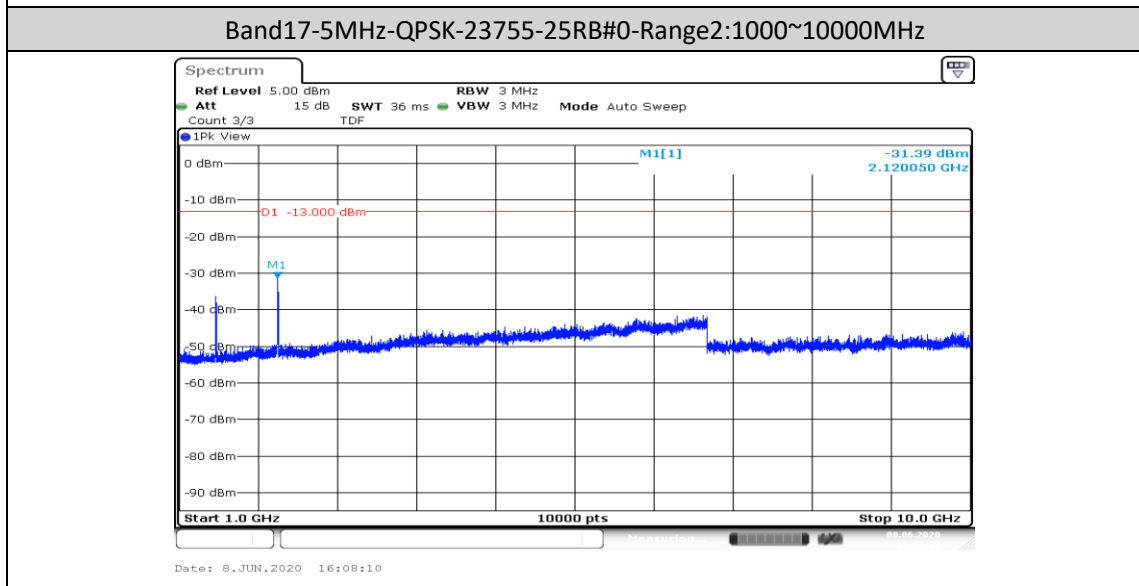
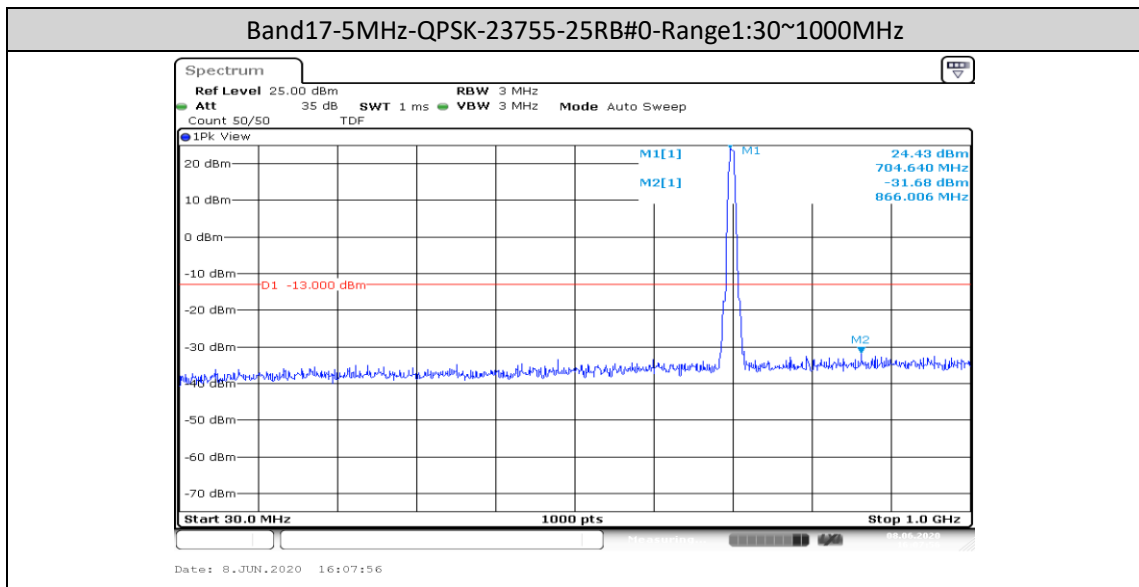
Appendix E: Conducted Spurious Emission

Test Result

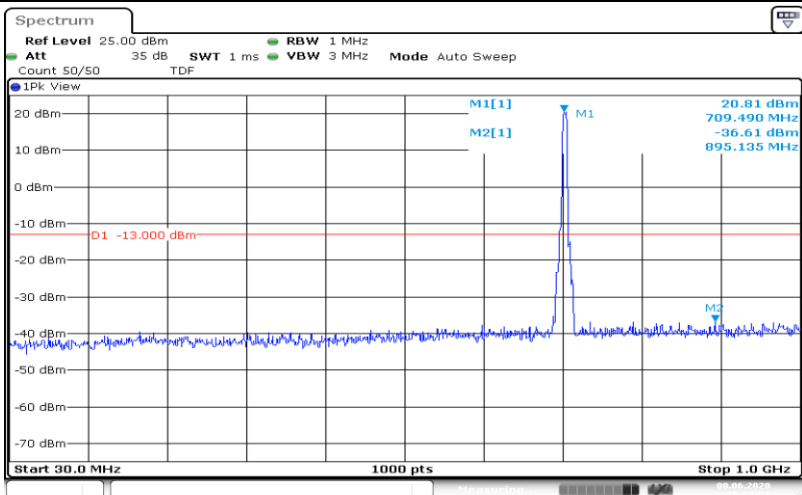
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band1 7	5MHz	QPSK	23755	25RB#0	Range1:30~1000MHz	-31.68	PASS
Band1 7	5MHz	QPSK	23755	25RB#0	Range2:1000~10000MHz	-31.39	PASS
Band1 7	5MHz	QPSK	23790	25RB#0	Range1:30~1000MHz	-36.61	PASS
Band1 7	5MHz	QPSK	23790	25RB#0	Range2:1000~10000MHz	-41.62	PASS
Band1 7	5MHz	QPSK	23825	25RB#0	Range1:30~1000MHz	-36.64	PASS
Band1 7	5MHz	QPSK	23825	25RB#0	Range2:1000~10000MHz	-39.98	PASS
Band1 7	5MHz	16QAM	23755	25RB#0	Range1:30~1000MHz	-35.93	PASS
Band1 7	5MHz	16QAM	23755	25RB#0	Range2:1000~10000MHz	-36.39	PASS
Band1 7	5MHz	16QAM	23790	25RB#0	Range1:30~1000MHz	-36.75	PASS
Band1 7	5MHz	16QAM	23790	25RB#0	Range2:1000~10000MHz	-41.32	PASS
Band1 7	5MHz	16QAM	23825	25RB#0	Range1:30~1000MHz	-36.01	PASS
Band1 7	5MHz	16QAM	23825	25RB#0	Range2:1000~10000MHz	-38.62	PASS
Band1 7	10MHz	QPSK	23780	50RB#0	Range1:30~1000MHz	-31.86	PASS
Band1 7	10MHz	QPSK	23780	50RB#0	Range2:1000~10000MHz	-36.71	PASS
Band1 7	10MHz	QPSK	23790	50RB#0	Range1:30~1000MHz	-36.22	PASS
Band1 7	10MHz	QPSK	23790	50RB#0	Range2:1000~10000MHz	-44.16	PASS
Band1 7	10MHz	QPSK	23800	50RB#0	Range1:30~1000MHz	-36.52	PASS
Band1	10MHz	QPSK	23800	50RB#0	Range2:1000~10000MHz	-43.8	PASS

7					Hz	7	
Band1	10MHz	16QAM	23780	50RB#0	Range1:30~1000MHz	-36.4	PASS
7						4	
Band1	10MHz	16QAM	23780	50RB#0	Range2:1000~10000M	-41.4	PASS
7					Hz	2	
Band1	10MHz	16QAM	23790	50RB#0	Range1:30~1000MHz	-36.2	PASS
7						1	
Band1	10MHz	16QAM	23790	50RB#0	Range2:1000~10000M	-43.6	PASS
7					Hz		
Band1	10MHz	16QAM	23800	50RB#0	Range1:30~1000MHz	-36.4	PASS
7						4	
Band1	10MHz	16QAM	23800	50RB#0	Range2:1000~10000M	-42.8	PASS
7					Hz	2	

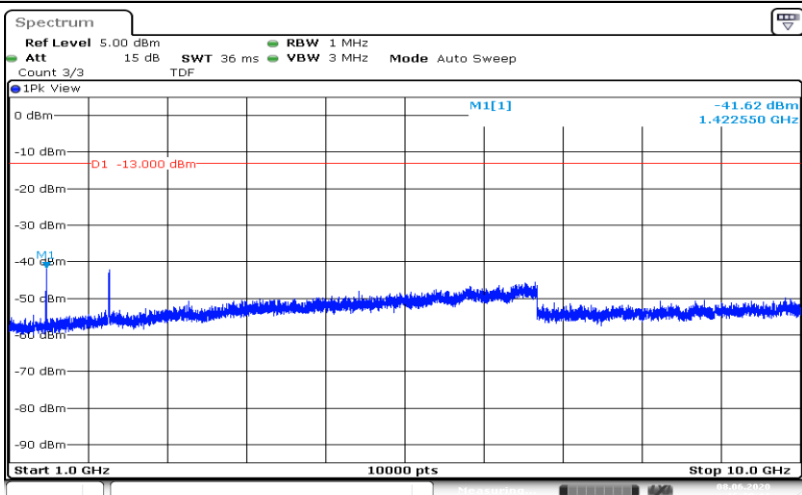
Test Graphs



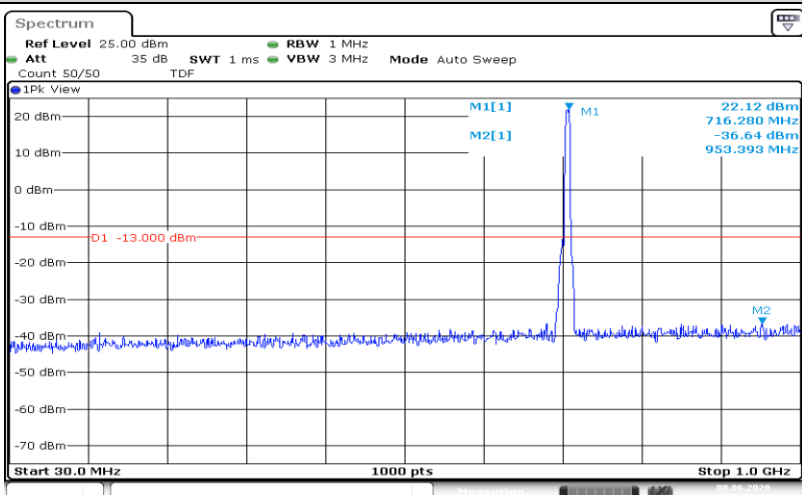
Band17-5MHz-QPSK-23790-25RB#0-Range1:30~1000MHz



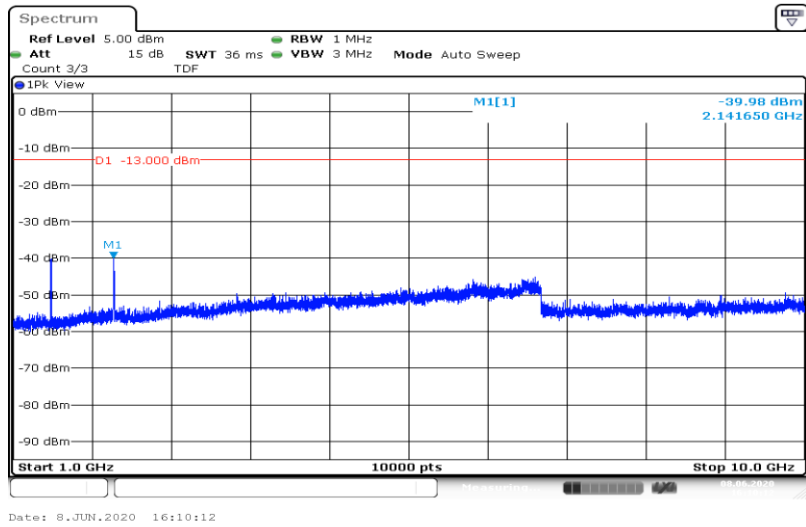
Band17-5MHz-QPSK-23790-25RB#0-Range2:100~10000MHz



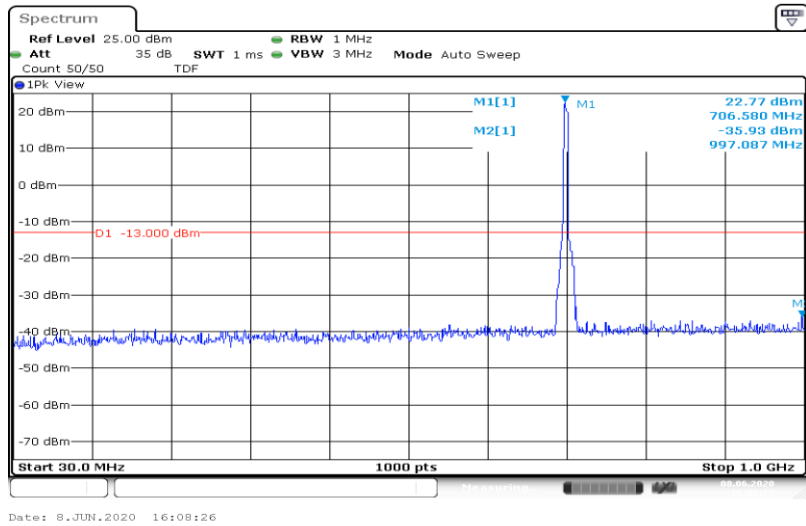
Band17-5MHz-QPSK-23825-25RB#0-Range1:30~1000MHz



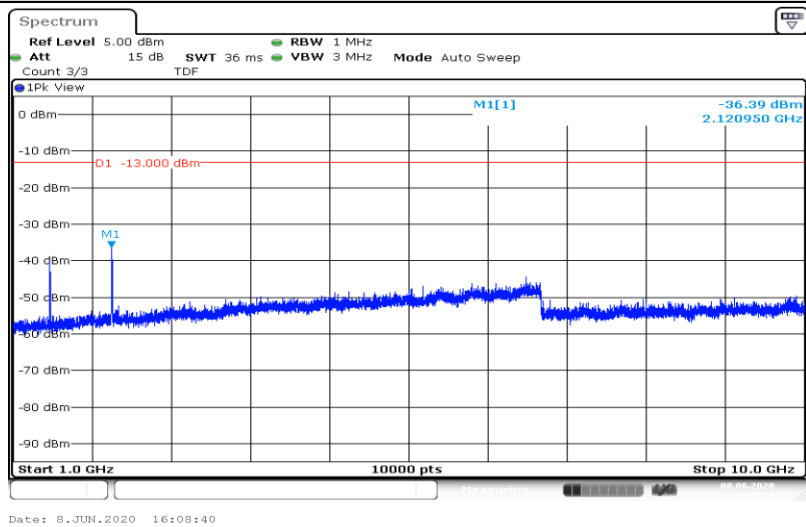
Band17-5MHz-QPSK-23825-25RB#0-Range2:100~10000MHz



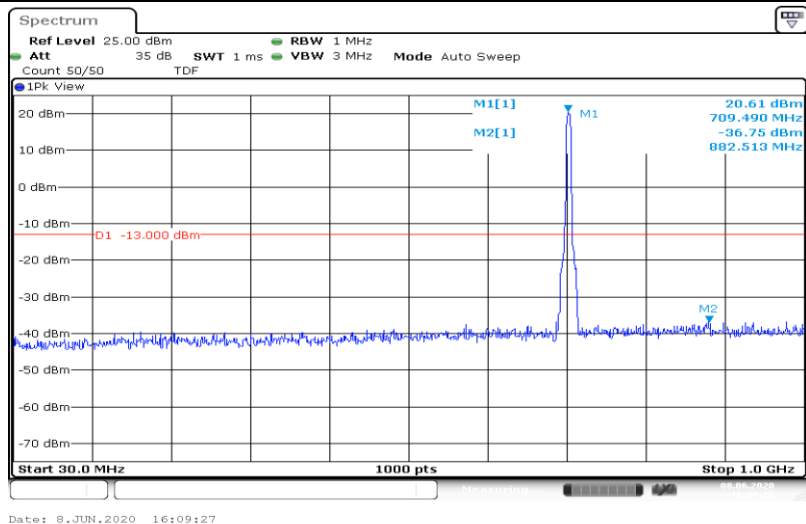
Band17-5MHz-16QAM-23755-25RB#0-Range1:30~1000MHz



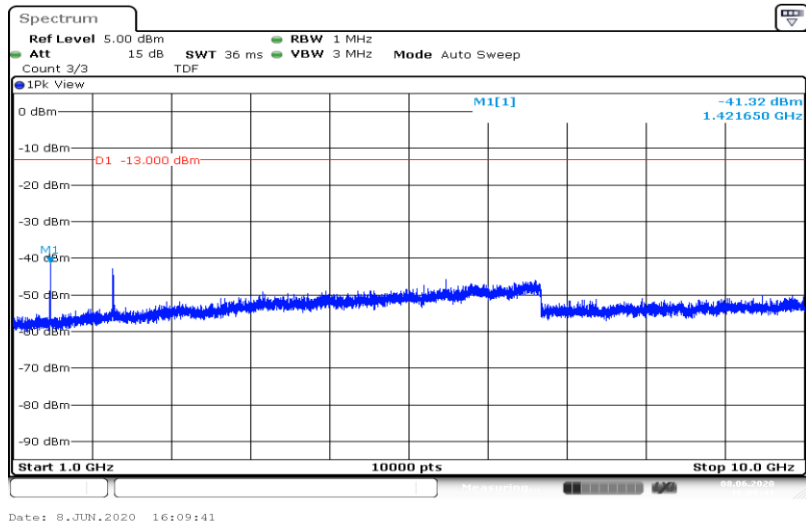
Band17-5MHz-16QAM-23755-25RB#0-Range2:1000~10000MHz



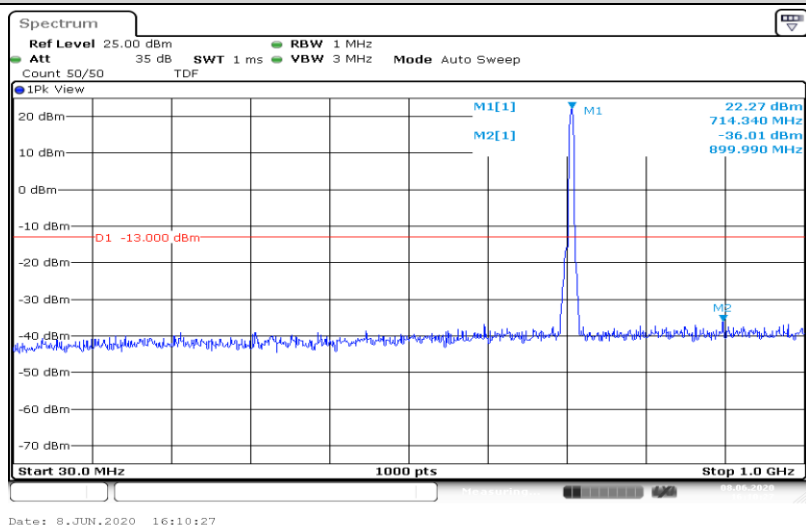
Band17-5MHz-16QAM-23790-25RB#0-Range1:30~1000MHz



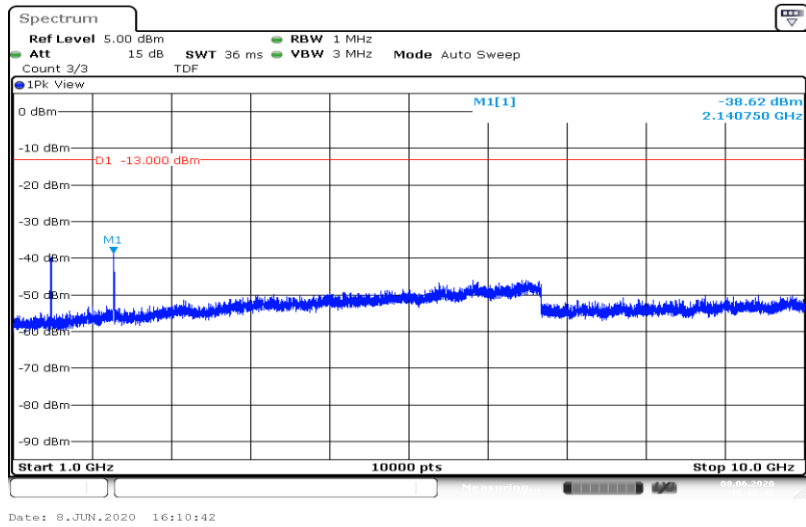
Band17-5MHz-16QAM-23790-25RB#0-Range2:1000~10000MHz



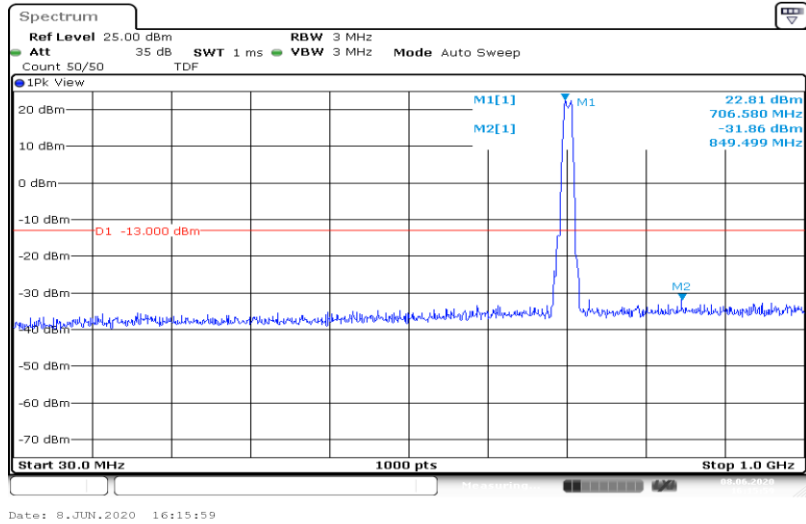
Band17-5MHz-16QAM-23825-25RB#0-Range1:30~1000MHz



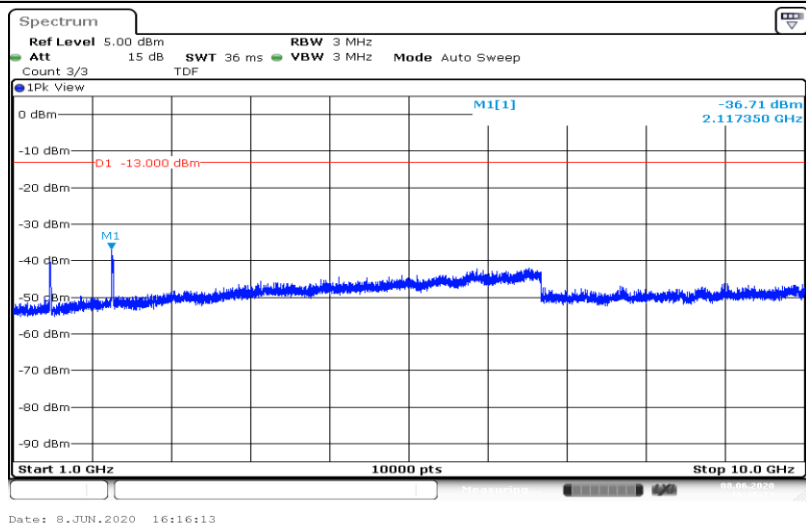
Band17-5MHz-16QAM-23825-25RB#0-Range2:1000~10000MHz



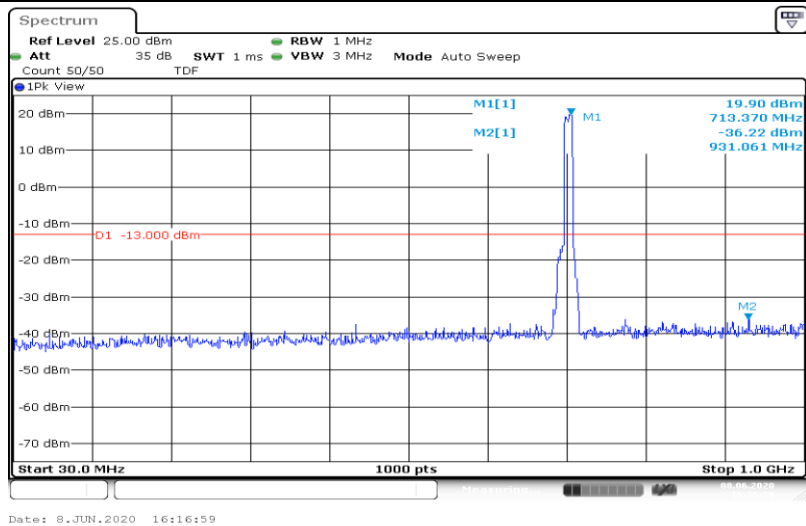
Band17-10MHz-QPSK-23780-50RB#0-Range1:30~1000MHz



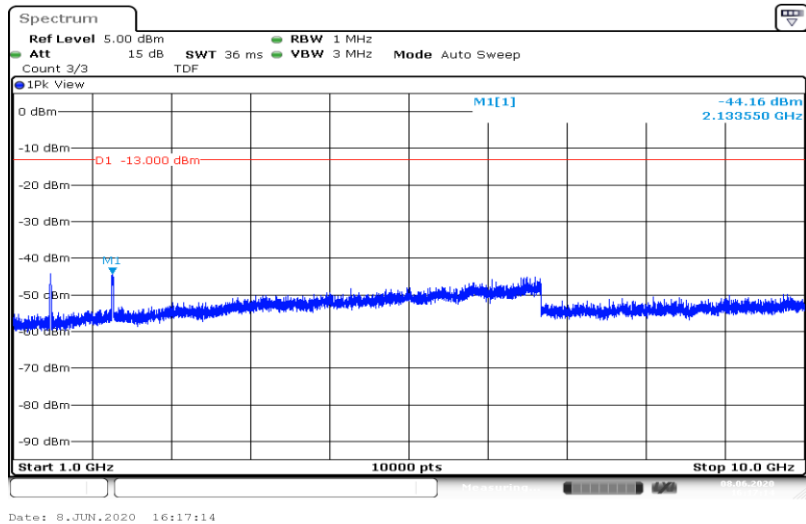
Band17-10MHz-QPSK-23780-50RB#0-Range2:1000~10000MHz



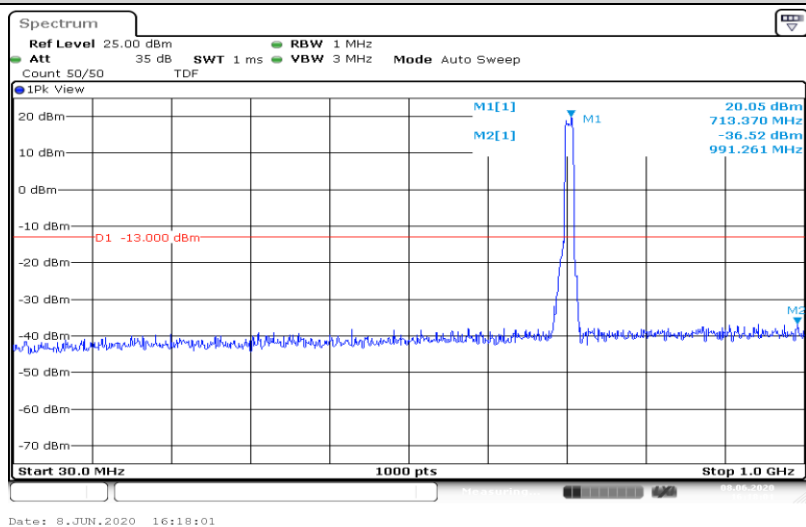
Band17-10MHz-QPSK-23790-50RB#0-Range1:30~1000MHz



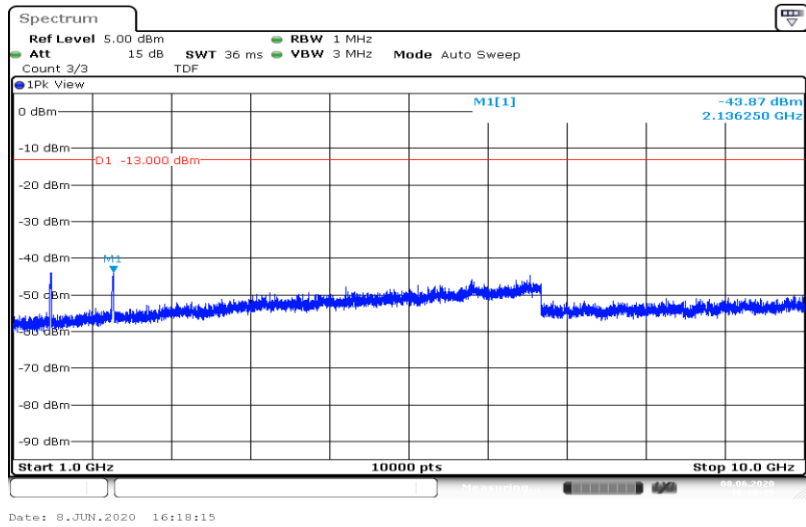
Band17-10MHz-QPSK-23790-50RB#0-Range2:1000~10000MHz



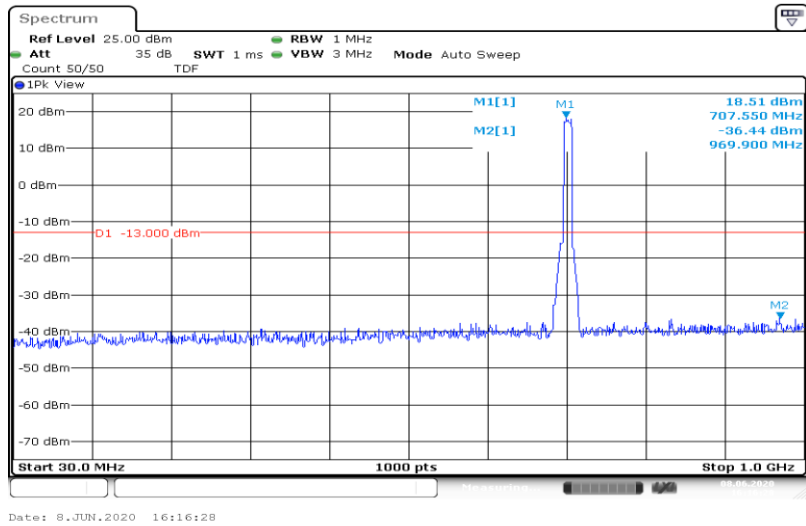
Band17-10MHz-QPSK-23800-50RB#0-Range1:30~1000MHz



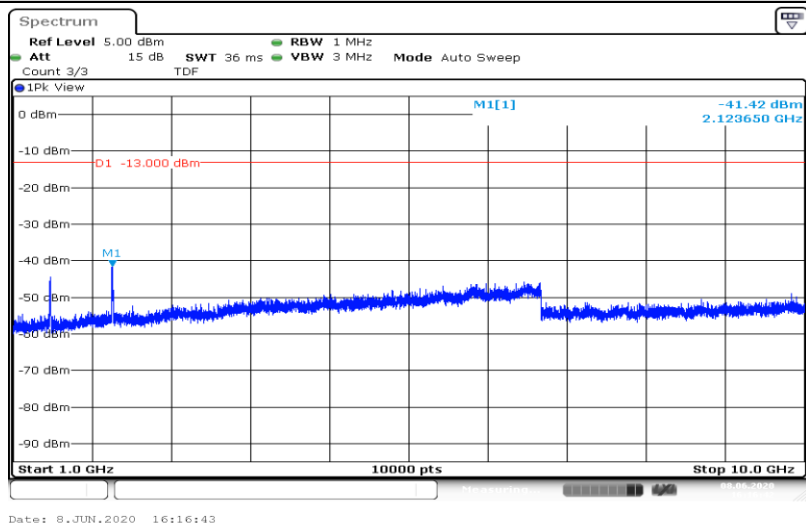
Band17-10MHz-QPSK-23800-50RB#0-Range2:1000~10000MHz



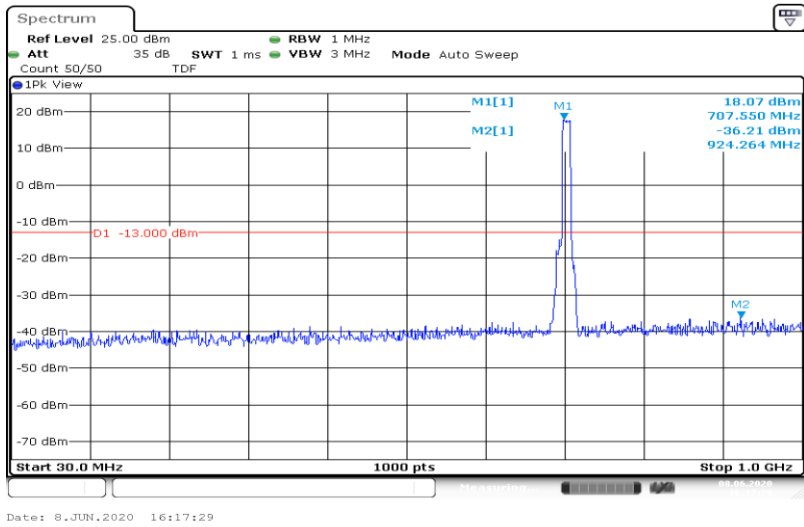
Band17-10MHz-16QAM-23780-50RB#0-Range1:30~1000MHz



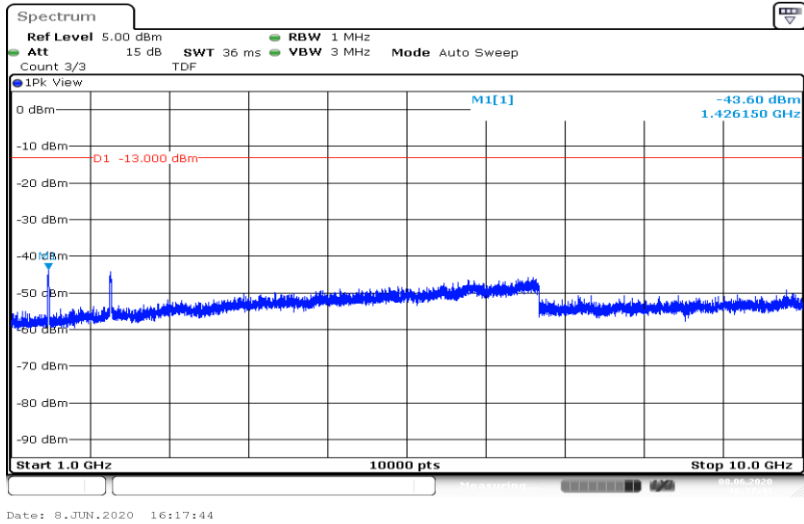
Band17-10MHz-16QAM-23780-50RB#0-Range2:1000~10000MHz



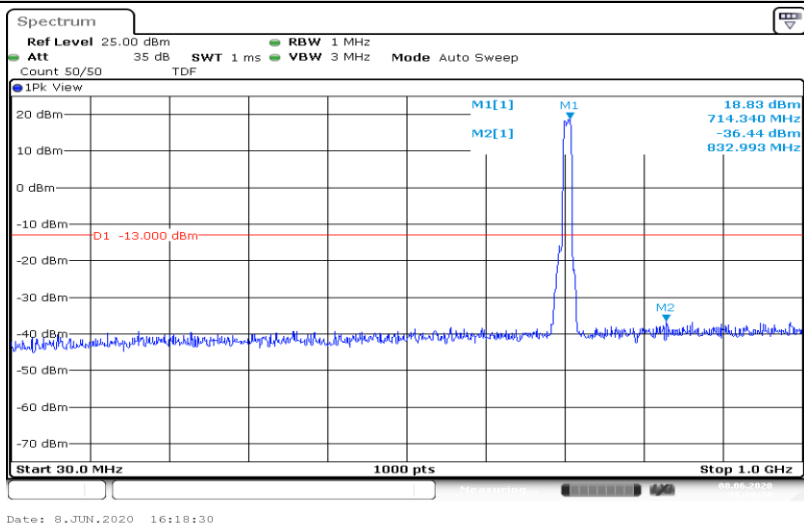
Band17-10MHz-16QAM-23790-50RB#0-Range1:30~1000MHz



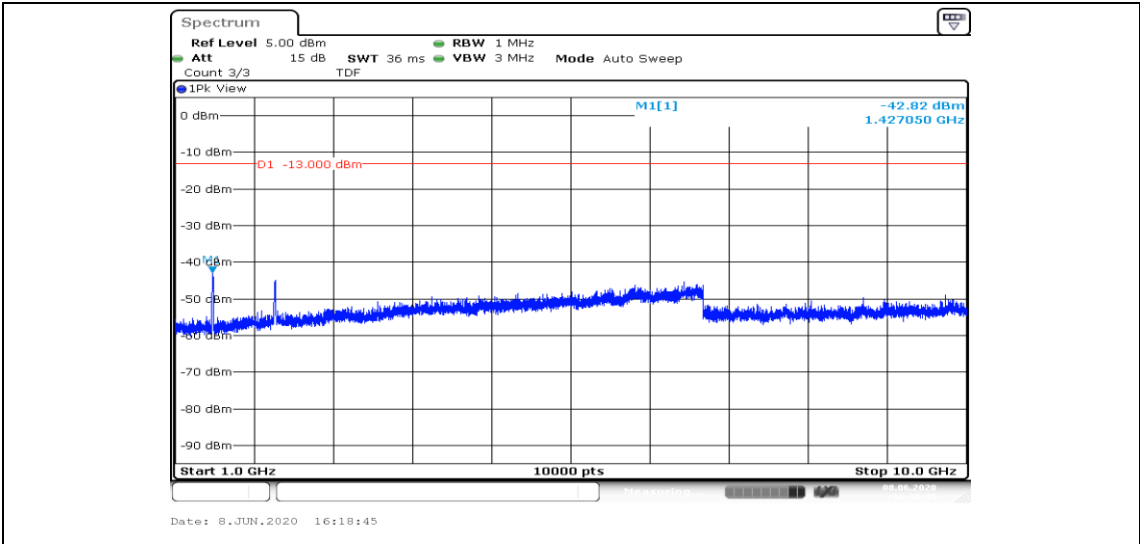
Band17-10MHz-16QAM-23790-50RB#0-Range2:1000~10000MHz



Band17-10MHz-16QAM-23800-50RB#0-Range1:30~1000MHz



Band17-10MHz-16QAM-23800-50RB#0-Range2:1000~10000MHz



Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
@FCC_Frequency_stability@										
BandName	Bandwidth	Modulation	Channel	RBcfg	VolValue	TempValue	ValueHz	ValuePpm	Limit	Verdict

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
@FCC_Frequency_stability_Temperature@										
BandName	Bandwidth	Modulation	Channel	RBcfg	VolValue	TempValue	ValueHz	ValuePpm	Limit	Verdict