

Appendix for LTE B12 test report

Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Results:

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power[dBm]	ERP[dBm]	Limit[dBm]	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	22.95	20.55	33	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	22.93	20.53	33	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	22.97	20.57	33	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	22.94	20.54	33	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	22.95	20.55	33	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	22.92	20.52	33	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.03	19.63	33	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	22.73	20.33	33	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	22.92	20.52	33	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	22.88	20.48	33	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	23.00	20.6	33	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	23.05	20.65	33	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	23.04	20.64	33	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	21.92	19.52	33	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	22.93	20.53	33	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	22.92	20.52	33	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	22.82	20.42	33	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	22.94	20.54	33	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	22.90	20.5	33	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	22.93	20.53	33	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	21.94	19.54	33	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	21.79	19.39	33	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	21.98	19.58	33	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	22.04	19.64	33	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	21.53	19.13	33	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	21.61	19.21	33	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	21.52	19.12	33	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	20.95	18.55	33	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	22.41	20.01	33	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	22.90	20.5	33	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.47	20.07	33	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	21.60	19.2	33	PASS

Band12	1.4MHz	16QAM	23095	3RB#0	21.59	19.19	33	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	21.65	19.25	33	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	20.93	18.53	33	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	22.87	20.47	33	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	22.94	20.54	33	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	23.00	20.6	33	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	21.79	19.39	33	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	21.78	19.38	33	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	21.76	19.36	33	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	21.41	19.01	33	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.10	20.7	33	PASS
Band12	3MHz	QPSK	23025	1RB#8	22.98	20.58	33	PASS
Band12	3MHz	QPSK	23025	1RB#0	23.01	20.61	33	PASS
Band12	3MHz	QPSK	23025	8RB#0	21.94	19.54	33	PASS
Band12	3MHz	QPSK	23025	8RB#4	21.93	19.53	33	PASS
Band12	3MHz	QPSK	23025	8RB#7	21.98	19.58	33	PASS
Band12	3MHz	QPSK	23025	15RB#0	21.90	19.5	33	PASS
Band12	3MHz	QPSK	23095	1RB#0	22.84	20.44	33	PASS
Band12	3MHz	QPSK	23095	1RB#14	22.92	20.52	33	PASS
Band12	3MHz	QPSK	23095	1RB#8	22.94	20.54	33	PASS
Band12	3MHz	QPSK	23095	8RB#7	22.02	19.62	33	PASS
Band12	3MHz	QPSK	23095	8RB#0	22.28	19.88	33	PASS
Band12	3MHz	QPSK	23095	8RB#4	22.29	19.89	33	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.04	19.64	33	PASS
Band12	3MHz	QPSK	23165	1RB#8	23.03	20.63	33	PASS
Band12	3MHz	QPSK	23165	1RB#14	23.04	20.64	33	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.14	20.74	33	PASS
Band12	3MHz	QPSK	23165	8RB#4	22.10	19.7	33	PASS
Band12	3MHz	QPSK	23165	8RB#0	22.08	19.68	33	PASS
Band12	3MHz	QPSK	23165	8RB#7	21.88	19.48	33	PASS
Band12	3MHz	QPSK	23165	15RB#0	21.76	19.36	33	PASS
Band12	3MHz	16QAM	23025	1RB#8	21.70	19.3	33	PASS
Band12	3MHz	16QAM	23025	1RB#14	21.63	19.23	33	PASS
Band12	3MHz	16QAM	23025	1RB#0	21.43	19.03	33	PASS
Band12	3MHz	16QAM	23025	8RB#4	21.15	18.75	33	PASS
Band12	3MHz	16QAM	23025	8RB#0	21.15	18.75	33	PASS
Band12	3MHz	16QAM	23025	8RB#7	21.19	18.79	33	PASS

Band12	3MHz	16QAM	23025	15RB#0	20.90	18.5	33	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.51	20.11	33	PASS
Band12	3MHz	16QAM	23095	1RB#8	22.56	20.16	33	PASS
Band12	3MHz	16QAM	23095	1RB#0	22.85	20.45	33	PASS
Band12	3MHz	16QAM	23095	8RB#7	21.18	18.78	33	PASS
Band12	3MHz	16QAM	23095	8RB#4	21.37	18.97	33	PASS
Band12	3MHz	16QAM	23095	8RB#0	21.26	18.86	33	PASS
Band12	3MHz	16QAM	23095	15RB#0	21.21	18.81	33	PASS
Band12	3MHz	16QAM	23165	1RB#0	21.97	19.57	33	PASS
Band12	3MHz	16QAM	23165	1RB#8	21.88	19.48	33	PASS
Band12	3MHz	16QAM	23165	1RB#14	21.84	19.44	33	PASS
Band12	3MHz	16QAM	23165	8RB#7	21.34	18.94	33	PASS
Band12	3MHz	16QAM	23165	8RB#0	21.44	19.04	33	PASS
Band12	3MHz	16QAM	23165	8RB#4	21.56	19.16	33	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.05	18.65	33	PASS
Band12	5MHz	QPSK	23035	1RB#0	23.12	20.72	33	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.17	20.77	33	PASS
Band12	5MHz	QPSK	23035	1RB#24	23.08	20.68	33	PASS
Band12	5MHz	QPSK	23035	12RB#0	22.04	19.64	33	PASS
Band12	5MHz	QPSK	23035	12RB#13	21.92	19.52	33	PASS
Band12	5MHz	QPSK	23035	12RB#6	21.98	19.58	33	PASS
Band12	5MHz	QPSK	23035	25RB#0	21.91	19.51	33	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.15	20.75	33	PASS
Band12	5MHz	QPSK	23095	1RB#0	23.18	20.78	33	PASS
Band12	5MHz	QPSK	23095	1RB#24	23.02	20.62	33	PASS
Band12	5MHz	QPSK	23095	12RB#13	21.97	19.57	33	PASS
Band12	5MHz	QPSK	23095	12RB#6	22.28	19.88	33	PASS
Band12	5MHz	QPSK	23095	12RB#0	22.27	19.87	33	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.06	19.66	33	PASS
Band12	5MHz	QPSK	23155	1RB#0	23.23	20.83	33	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.22	20.82	33	PASS
Band12	5MHz	QPSK	23155	1RB#24	23.18	20.78	33	PASS
Band12	5MHz	QPSK	23155	12RB#13	21.98	19.58	33	PASS
Band12	5MHz	QPSK	23155	12RB#6	21.95	19.55	33	PASS
Band12	5MHz	QPSK	23155	12RB#0	22.15	19.75	33	PASS
Band12	5MHz	QPSK	23155	25RB#0	22.43	20.03	33	PASS
Band12	5MHz	16QAM	23035	1RB#12	21.62	19.22	33	PASS

Band12	5MHz	16QAM	23035	1RB#0	21.61	19.21	33	PASS
Band12	5MHz	16QAM	23035	1RB#24	21.59	19.19	33	PASS
Band12	5MHz	16QAM	23035	12RB#13	21.04	18.64	33	PASS
Band12	5MHz	16QAM	23035	12RB#0	20.91	18.51	33	PASS
Band12	5MHz	16QAM	23035	12RB#6	20.83	18.43	33	PASS
Band12	5MHz	16QAM	23035	25RB#0	20.83	18.43	33	PASS
Band12	5MHz	16QAM	23095	1RB#0	22.08	19.68	33	PASS
Band12	5MHz	16QAM	23095	1RB#12	21.61	19.21	33	PASS
Band12	5MHz	16QAM	23095	1RB#24	21.76	19.36	33	PASS
Band12	5MHz	16QAM	23095	12RB#0	21.36	18.96	33	PASS
Band12	5MHz	16QAM	23095	12RB#6	21.37	18.97	33	PASS
Band12	5MHz	16QAM	23095	12RB#13	21.00	18.6	33	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.35	18.95	33	PASS
Band12	5MHz	16QAM	23155	1RB#0	21.17	18.77	33	PASS
Band12	5MHz	16QAM	23155	1RB#12	21.36	18.96	33	PASS
Band12	5MHz	16QAM	23155	1RB#24	21.45	19.05	33	PASS
Band12	5MHz	16QAM	23155	12RB#0	21.28	18.88	33	PASS
Band12	5MHz	16QAM	23155	12RB#13	21.57	19.17	33	PASS
Band12	5MHz	16QAM	23155	12RB#6	21.18	18.78	33	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.27	18.87	33	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.40	21	33	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.32	20.92	33	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.44	21.04	33	PASS
Band12	10MHz	QPSK	23060	25RB#12	22.21	19.81	33	PASS
Band12	10MHz	QPSK	23060	25RB#25	22.65	20.25	33	PASS
Band12	10MHz	QPSK	23060	25RB#0	22.21	19.81	33	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.26	19.86	33	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.18	20.78	33	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.24	20.84	33	PASS
Band12	10MHz	QPSK	23095	1RB#49	23.27	20.87	33	PASS
Band12	10MHz	QPSK	23095	25RB#0	22.63	20.23	33	PASS
Band12	10MHz	QPSK	23095	25RB#25	22.46	20.06	33	PASS
Band12	10MHz	QPSK	23095	25RB#12	22.64	20.24	33	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.23	19.83	33	PASS
Band12	10MHz	QPSK	23130	1RB#49	23.18	20.78	33	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.12	20.72	33	PASS
Band12	10MHz	QPSK	23130	1RB#24	23.21	20.81	33	PASS

Band12	10MHz	QPSK	23130	25RB#0	22.31	19.91	33	PASS
Band12	10MHz	QPSK	23130	25RB#25	22.46	20.06	33	PASS
Band12	10MHz	QPSK	23130	25RB#12	22.20	19.8	33	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.19	19.79	33	PASS
Band12	10MHz	16QAM	23060	1RB#49	21.74	19.34	33	PASS
Band12	10MHz	16QAM	23060	1RB#0	21.66	19.26	33	PASS
Band12	10MHz	16QAM	23060	1RB#24	21.68	19.28	33	PASS
Band12	10MHz	16QAM	23060	25RB#0	21.42	19.02	33	PASS
Band12	10MHz	16QAM	23060	25RB#12	21.41	19.01	33	PASS
Band12	10MHz	16QAM	23060	25RB#25	21.66	19.26	33	PASS
Band12	10MHz	16QAM	23060	50RB#0	21.32	18.92	33	PASS
Band12	10MHz	16QAM	23095	1RB#24	22.32	19.92	33	PASS
Band12	10MHz	16QAM	23095	1RB#49	22.33	19.93	33	PASS
Band12	10MHz	16QAM	23095	1RB#0	22.23	19.83	33	PASS
Band12	10MHz	16QAM	23095	25RB#0	21.74	19.34	33	PASS
Band12	10MHz	16QAM	23095	25RB#12	21.75	19.35	33	PASS
Band12	10MHz	16QAM	23095	25RB#25	21.77	19.37	33	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.42	19.02	33	PASS
Band12	10MHz	16QAM	23130	1RB#24	21.89	19.49	33	PASS
Band12	10MHz	16QAM	23130	1RB#49	21.93	19.53	33	PASS
Band12	10MHz	16QAM	23130	1RB#0	22.19	19.79	33	PASS
Band12	10MHz	16QAM	23130	25RB#12	21.19	18.79	33	PASS
Band12	10MHz	16QAM	23130	25RB#25	21.57	19.17	33	PASS
Band12	10MHz	16QAM	23130	25RB#0	21.17	18.77	33	PASS
Band12	10MHz	16QAM	23130	50RB#0	21.75	19.35	33	PASS

Note1:

a, For getting the ERP (Efficient Radiated Power) or EIRP (Efficient Isotropic Radiated Power) in substitution method, the following formula should be taken to calculate it,

$$\text{ERP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBd]}$$

$$\text{EIRP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBi]}$$

b, SGP=Signal Generator Level

c, Antenna gain of LTE Band 12 is -2.4dBi.

Note2: SET Span=1.5*OBW

SET RBW=1%of the OBW,not to exceed 1MHz

SET VBW>= 3*RBW

SET Sweep time=auto-couple.

Detector:RMS

Appendix B: Peak-to-Average Ratio

Test Results

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	5.39	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	5.62	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	5.22	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.59	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	5.28	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	5.54	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	6.14	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.41	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	5.54	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.43	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	5.68	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	6.23	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	5.39	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.33	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	5.28	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.25	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	5.25	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	5.28	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	6.17	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.14	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	5.74	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.20	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	6.06	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	6.17	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	5.42	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.30	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	5.10	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.33	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	5.30	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.30	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	6.35	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.14	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	5.74	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.14	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	6.06	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	6.06	13	PASS
Band12	10MHz	QPSK	23060	1RB#0	5.33	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.33	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	5.22	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.33	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	5.36	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.36	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	6.20	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.20	13	PASS

Total Quality. Assured.

Band12	10MHz	16QAM	23095	1RB#0	6.26	13	PASS
Band12	10MHz	16QAM	23095	5ORB#0	6.20	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	6.26	13	PASS
Band12	10MHz	16QAM	23130	5ORB#0	6.14	13	PASS

Appendix C: Modulation Characteristics

Test Plots

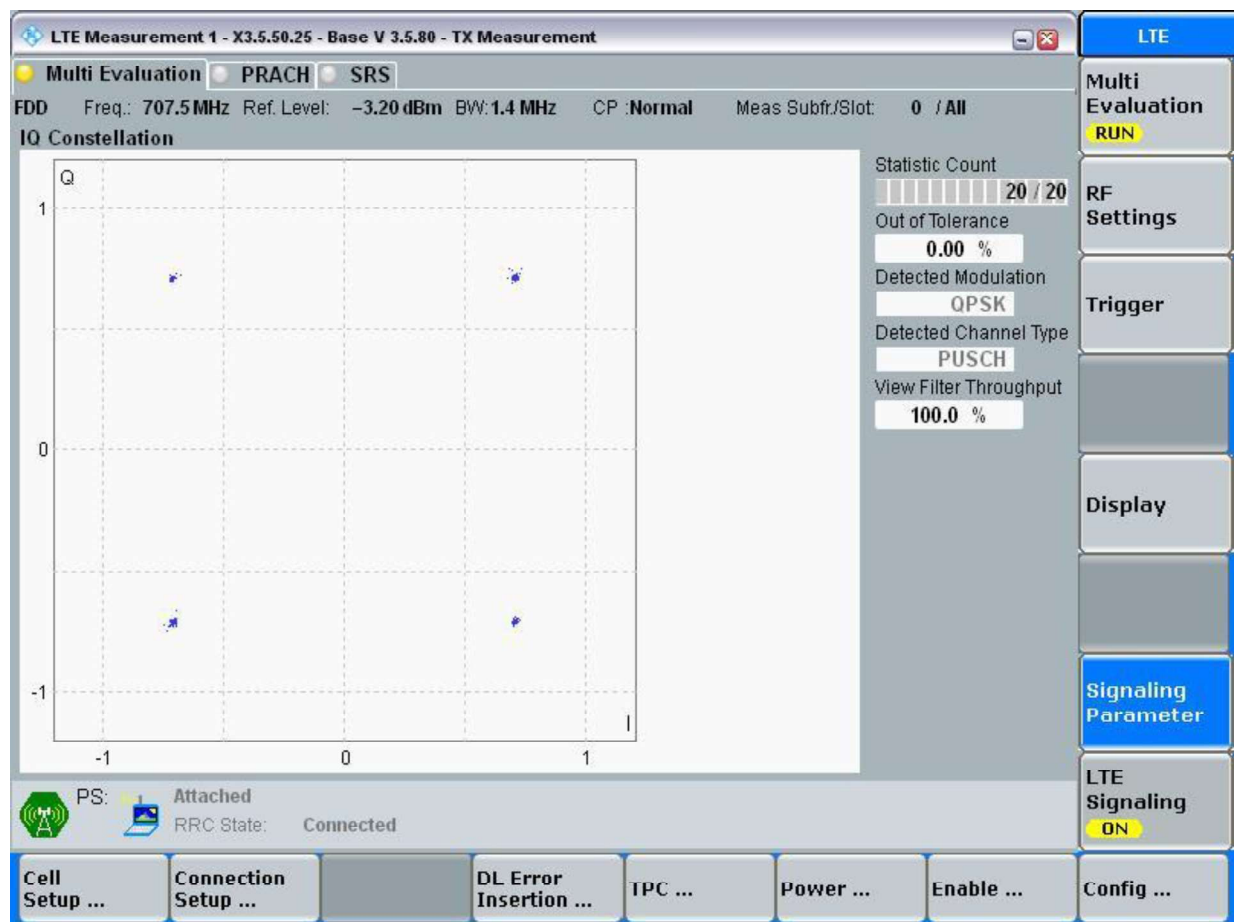
Test Band = BAND12

Test Mode = LTE/TM1

Test Bandwidth = 1.4MHz

Test Channel = MCH

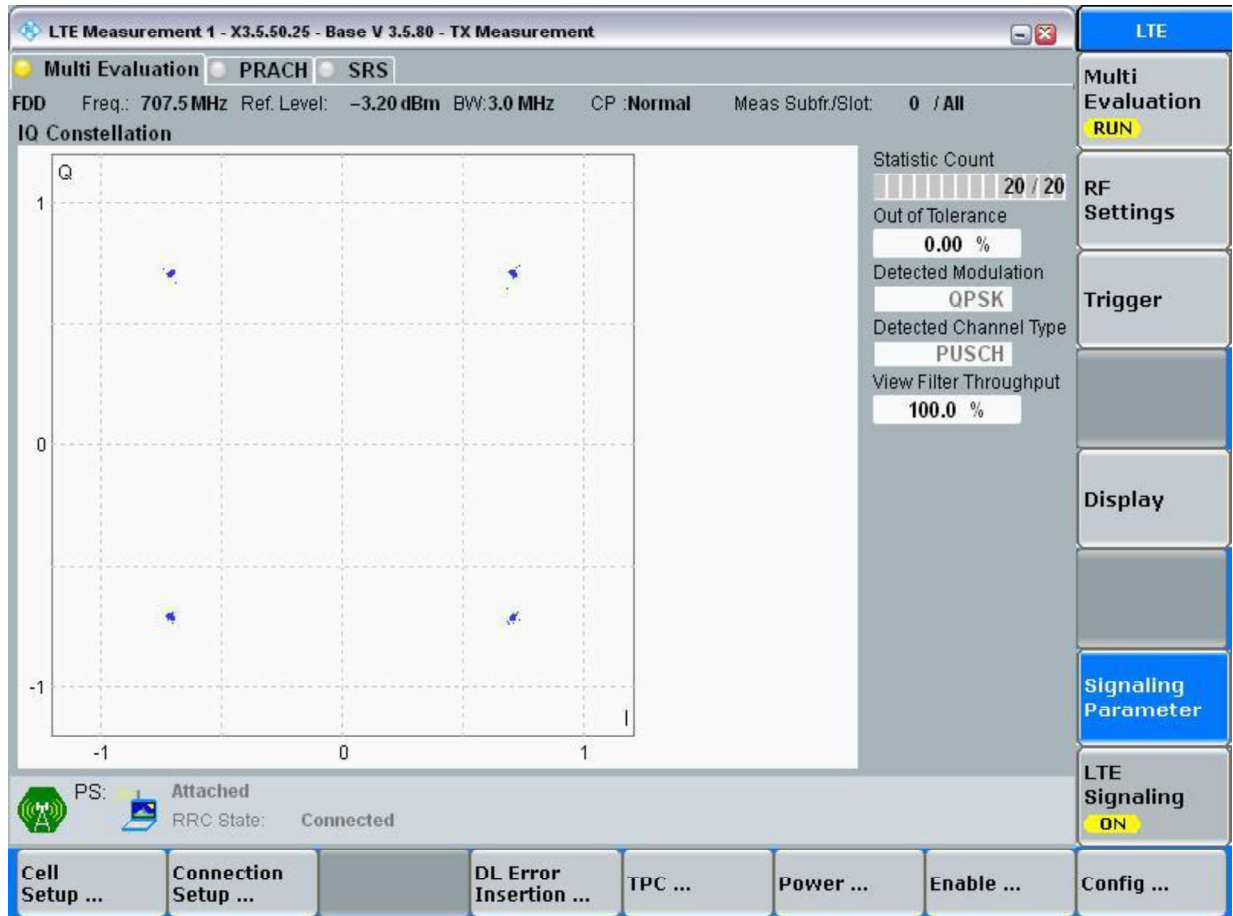
Test RB = RB6#0



Test Bandwidth = 3 MHz

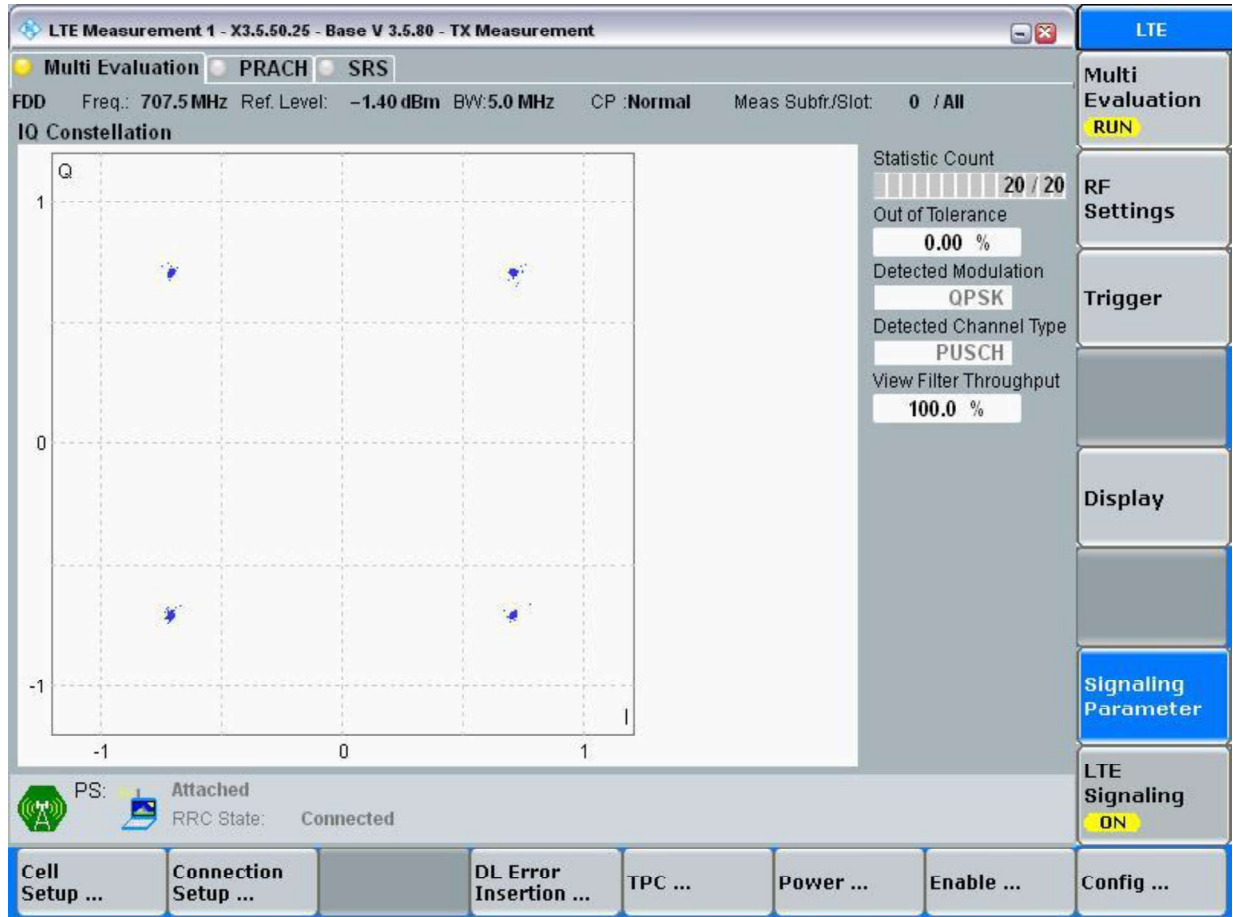
Test Channel = MCH

Test RB = RB15#0



Test Channel = MCH

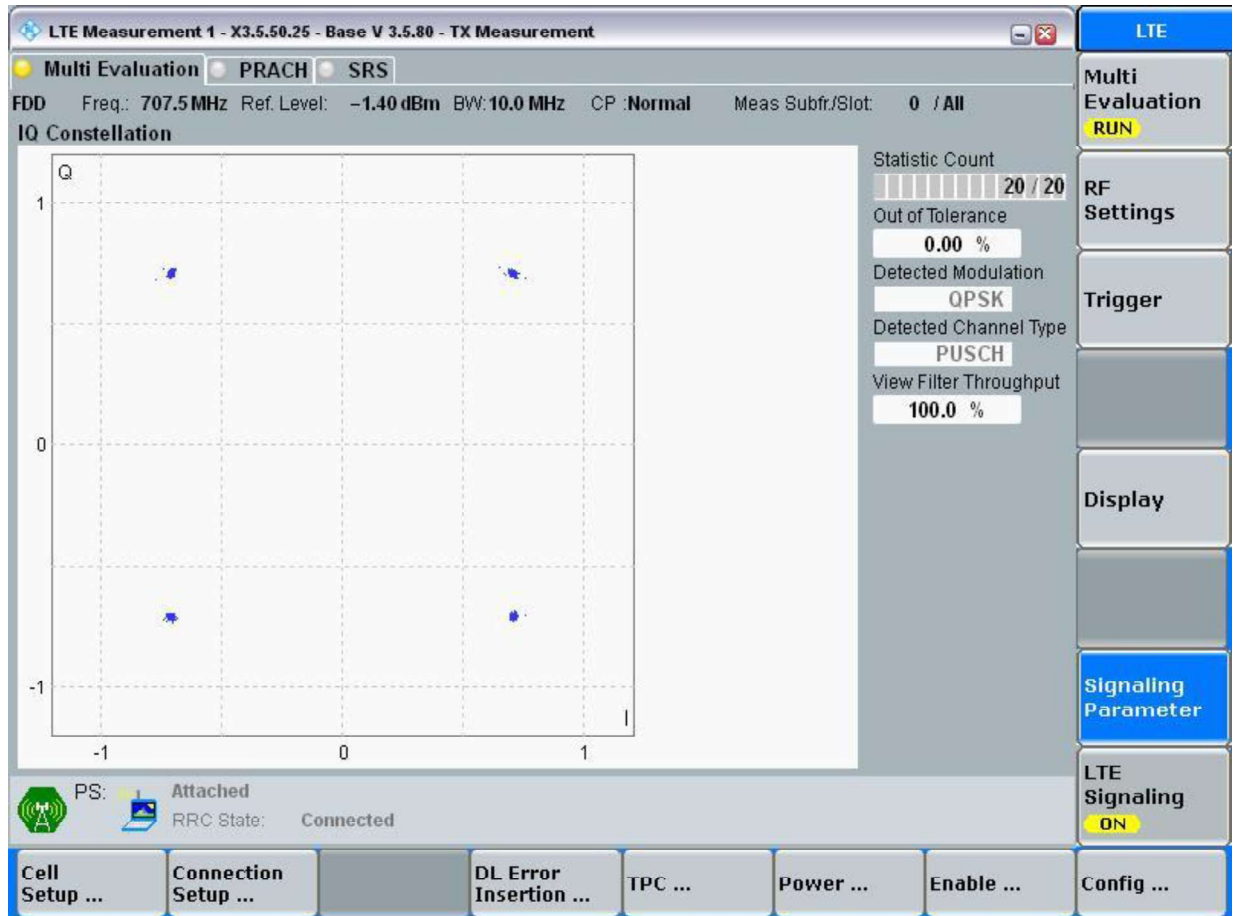
Test RB = RB25#0



Test Bandwidth = 10MHz

Test Channel = MCH

Test RB = RB50#0

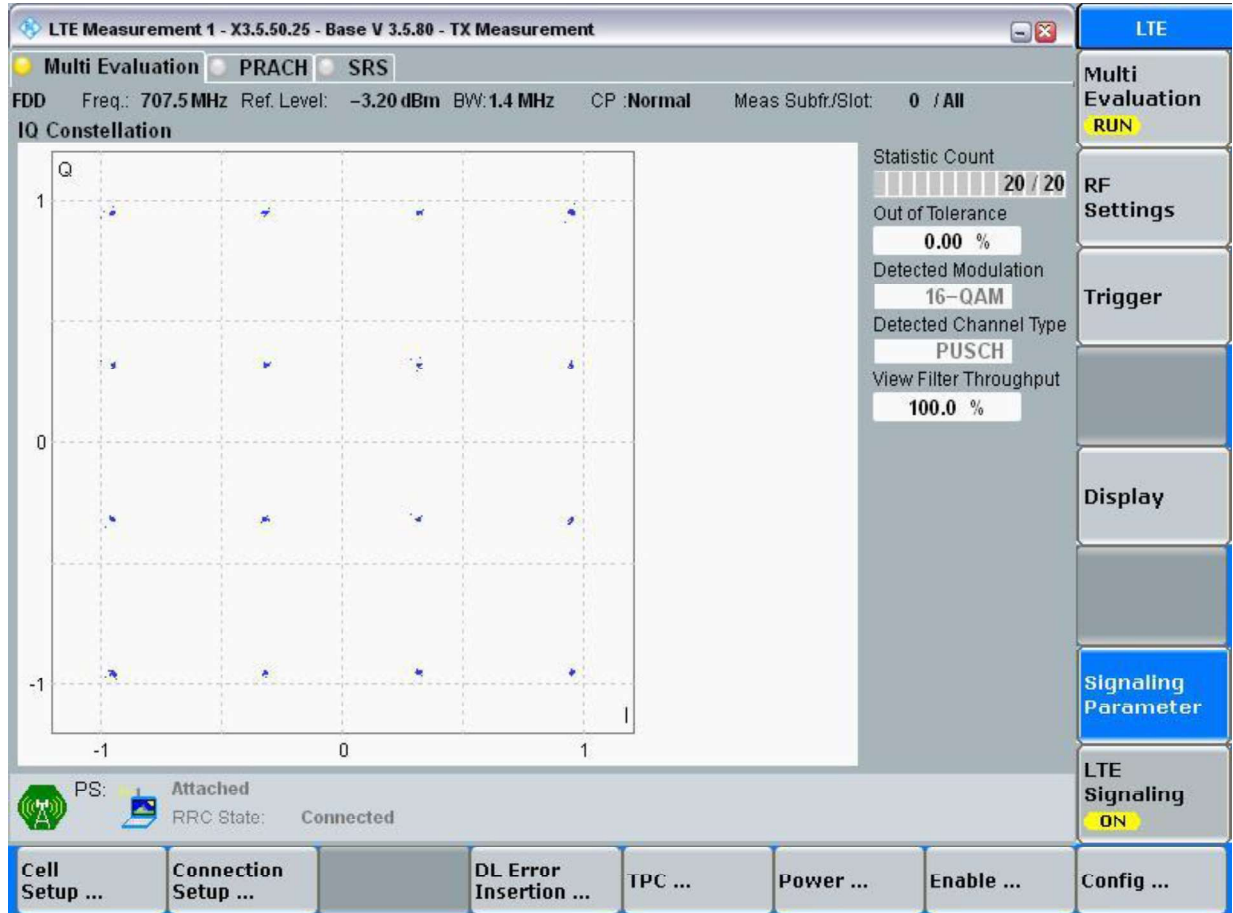


Test Mode = LTE/TM2

Bandwidth = 1.4MHz

Test Channel = MCH

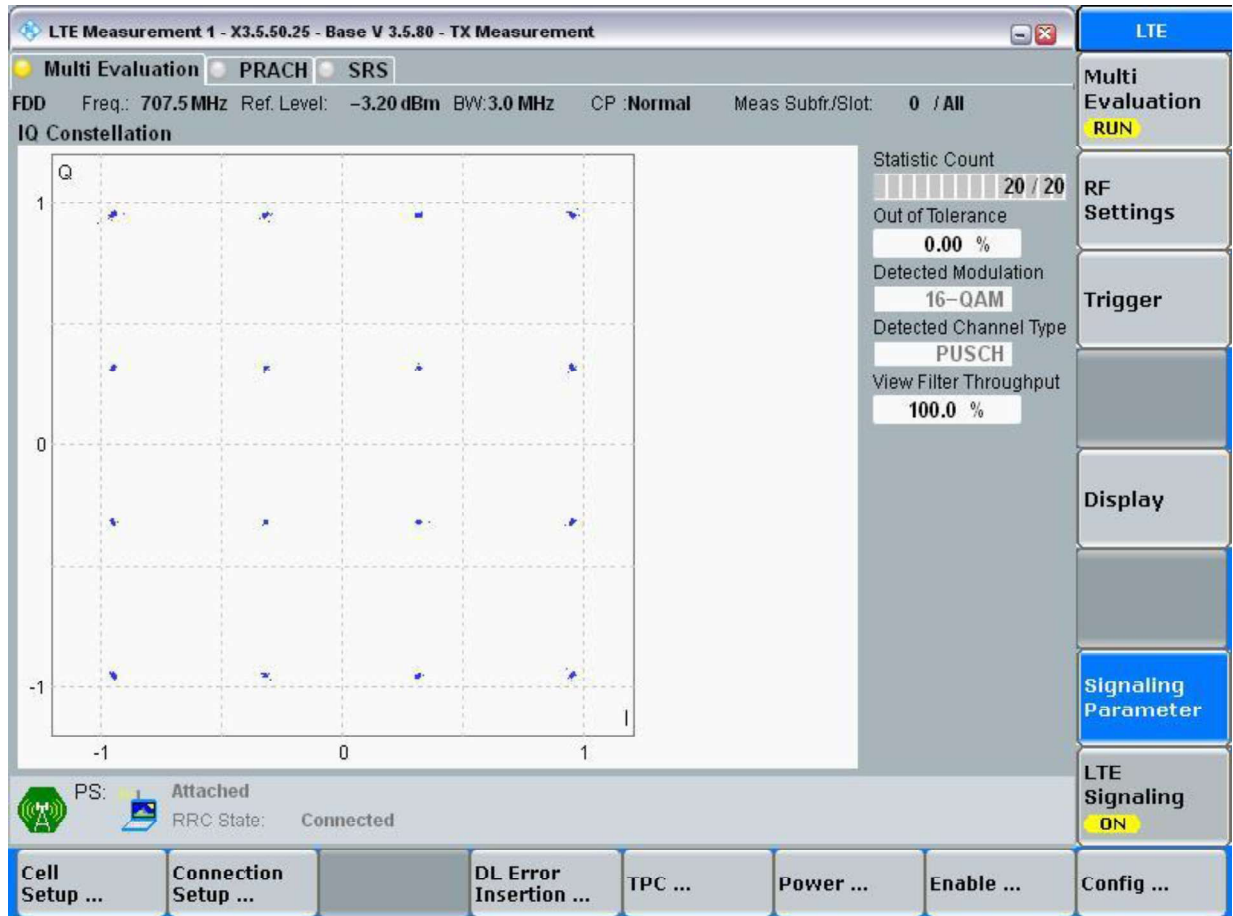
Test RB = RB6#0



Test Bandwidth = 3MHz

Test Channel = MCH

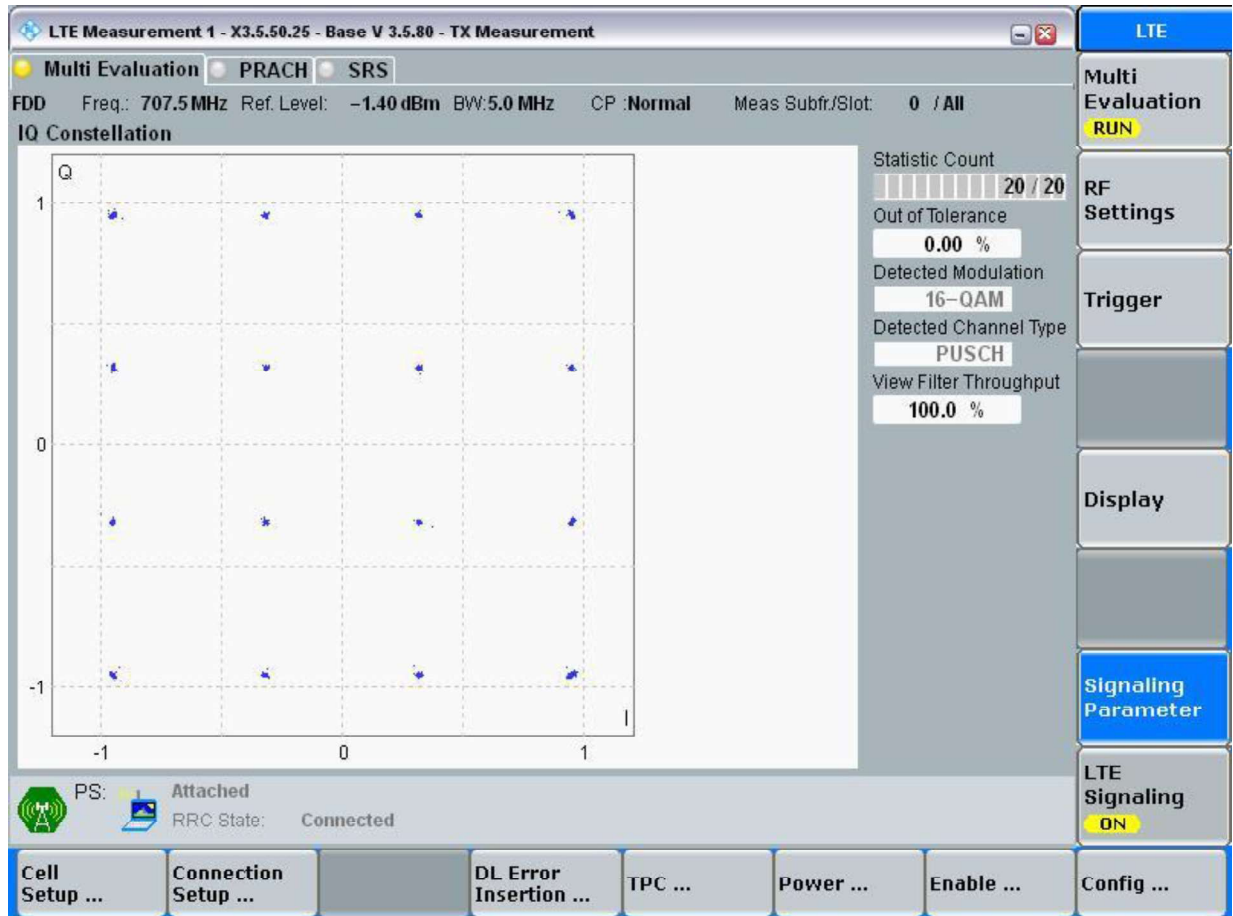
Test RB = RB15#0



Test Bandwidth = 5MHz

Test Channel = MCH

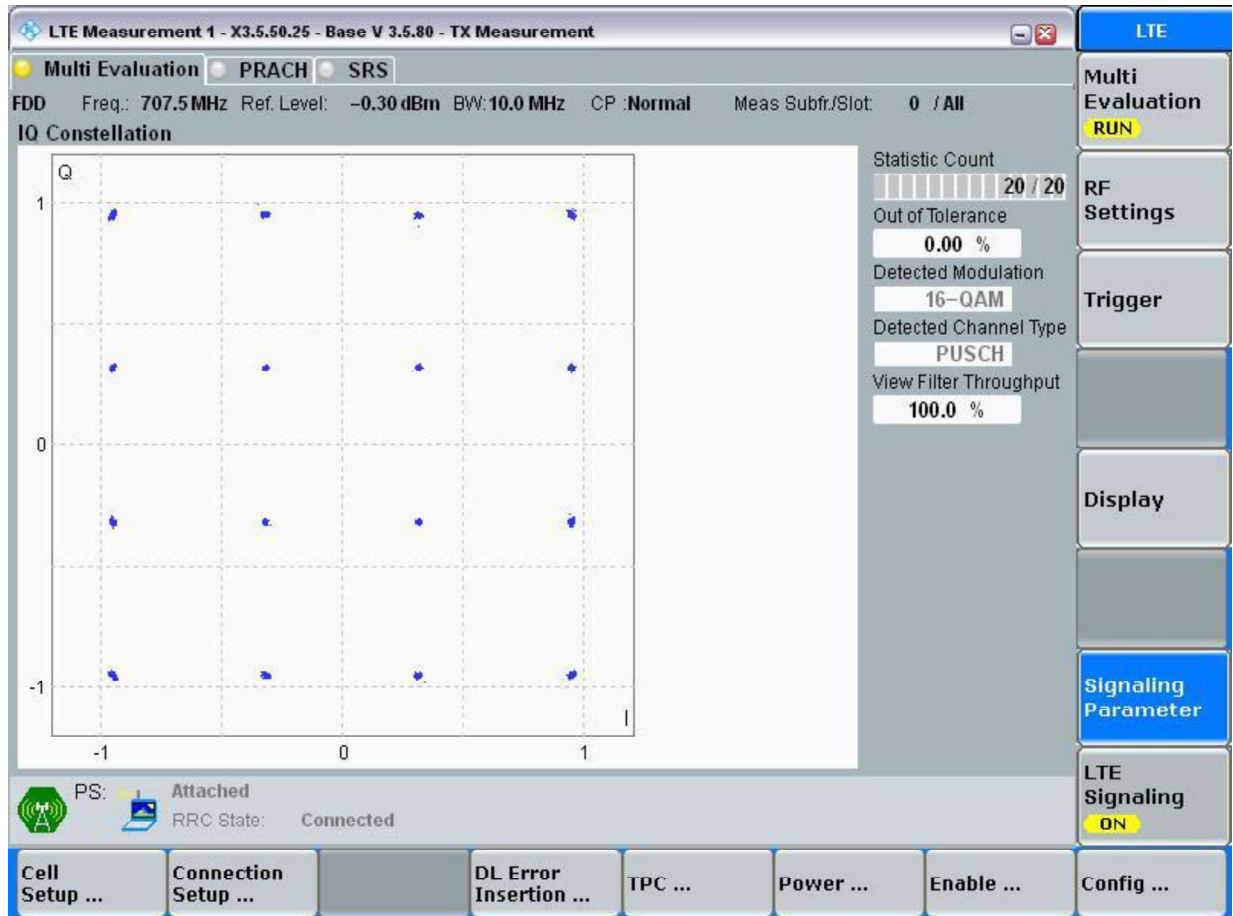
Test RB = RB25#0



Test Bandwidth = 10MHz

Test Channel = MCH

Test RB = RB50#0

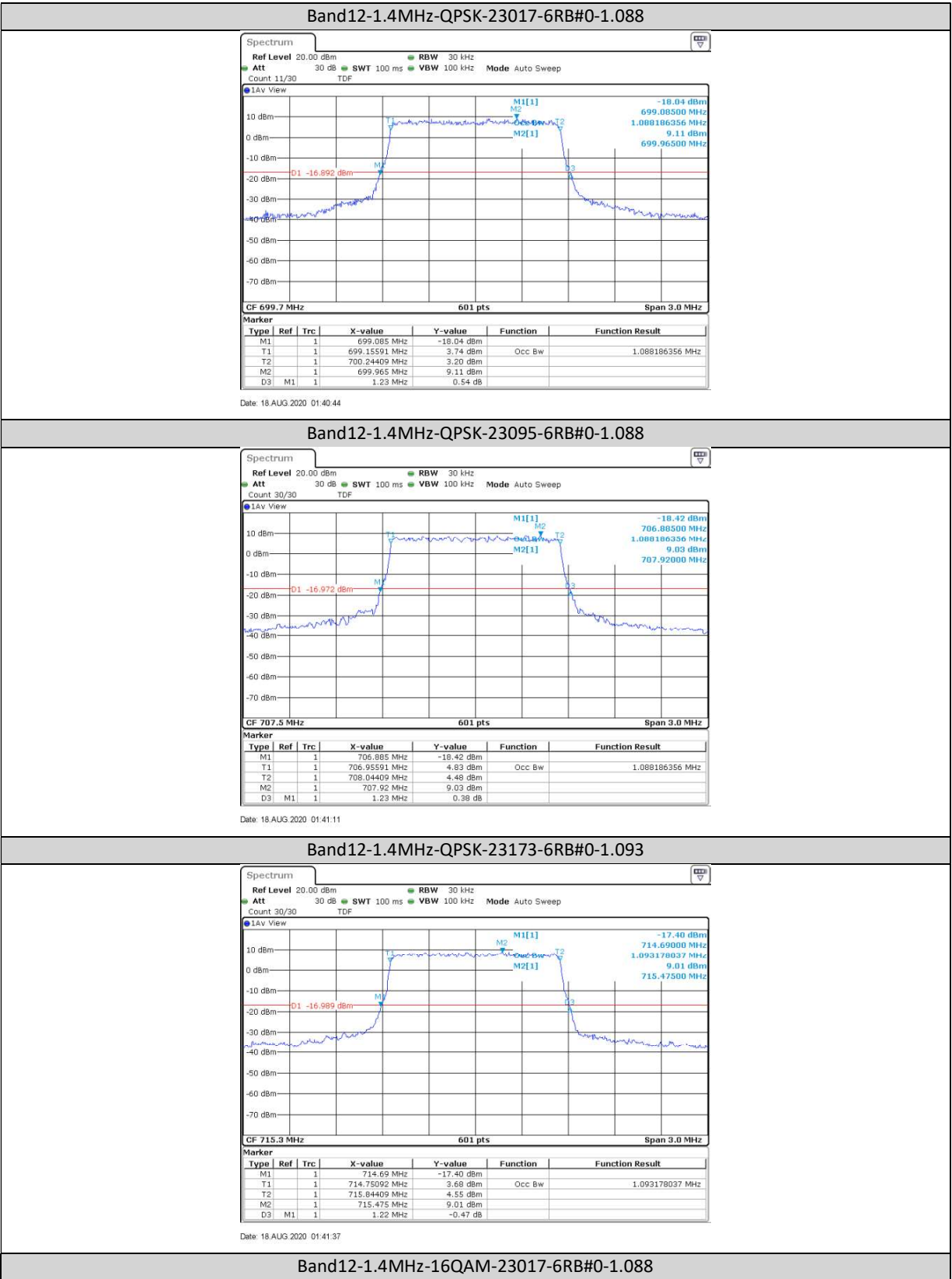


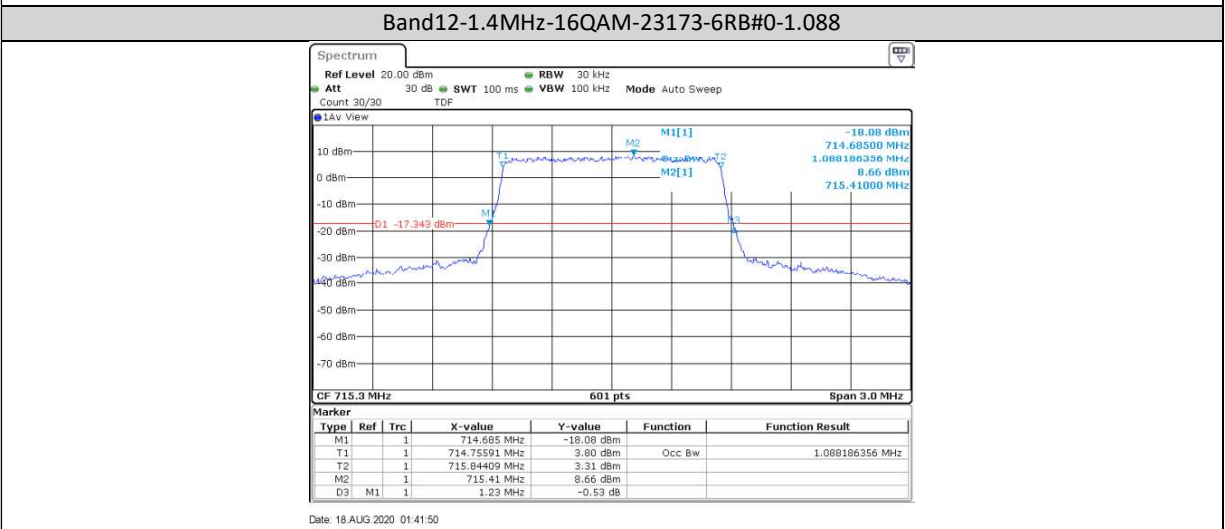
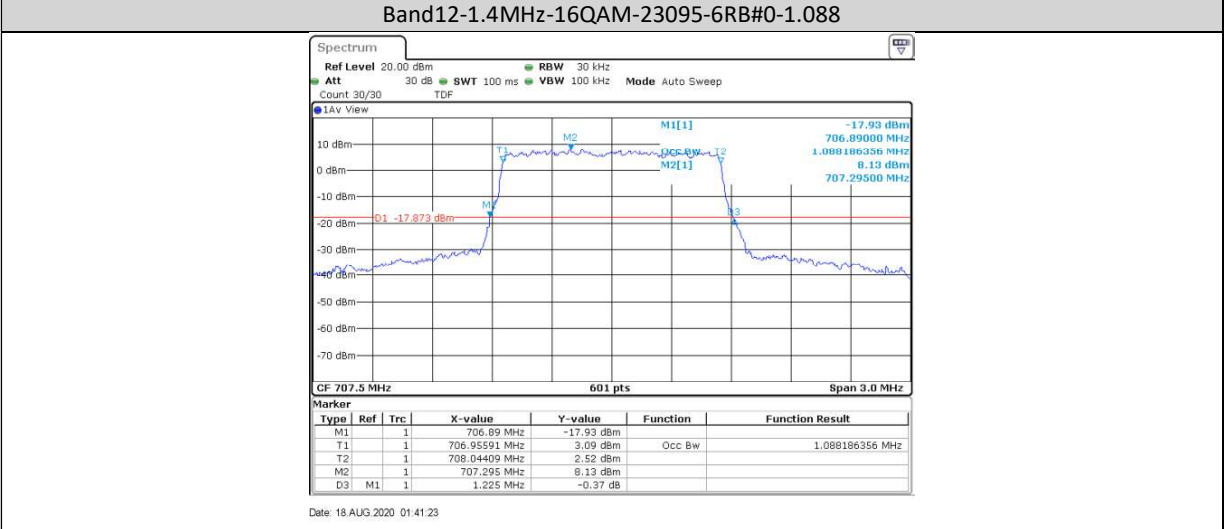
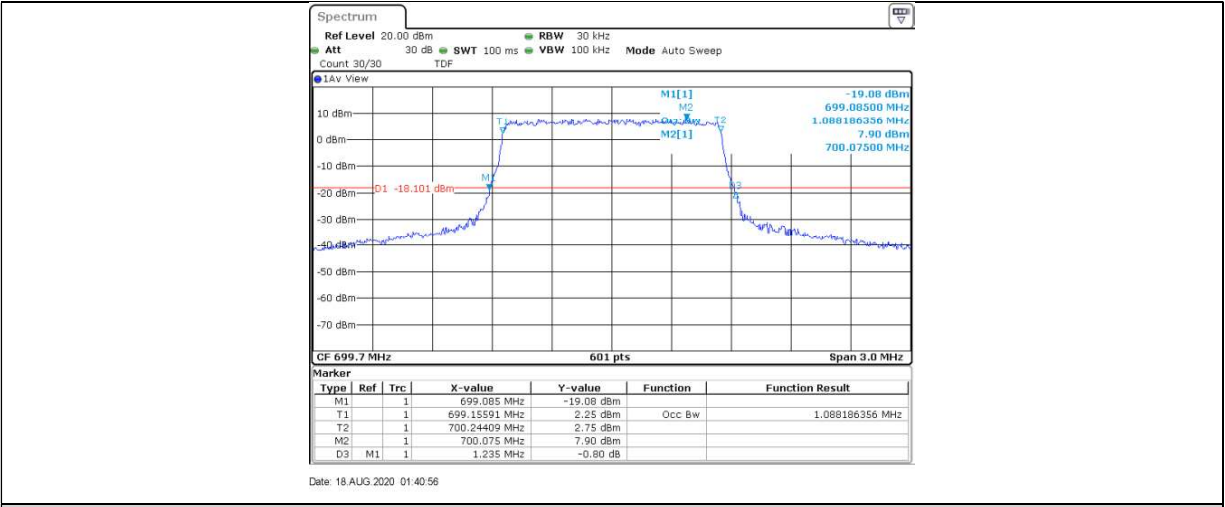
Appendix D: Bandwidth

Test Results

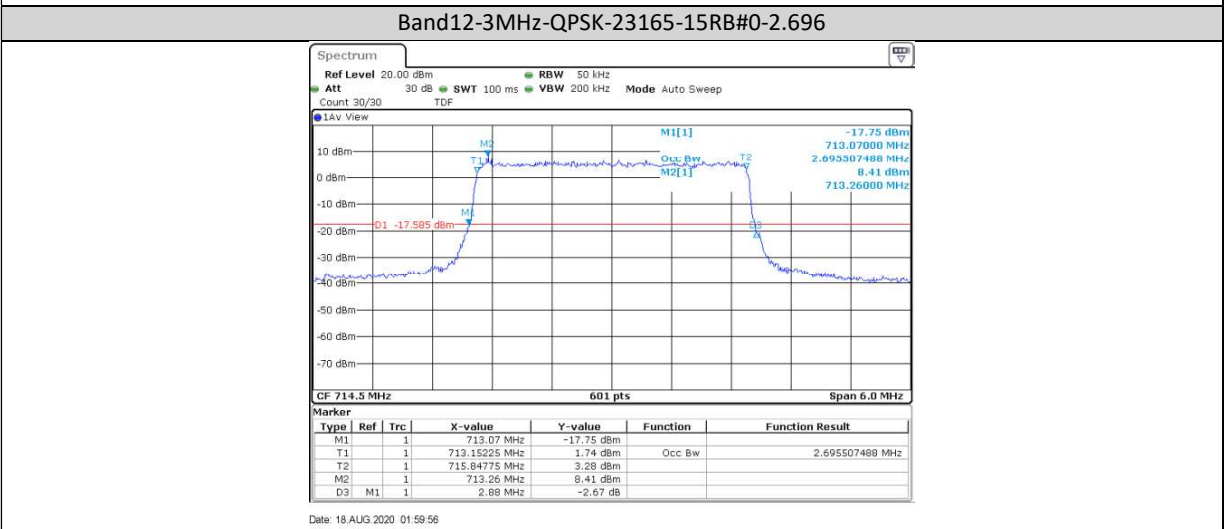
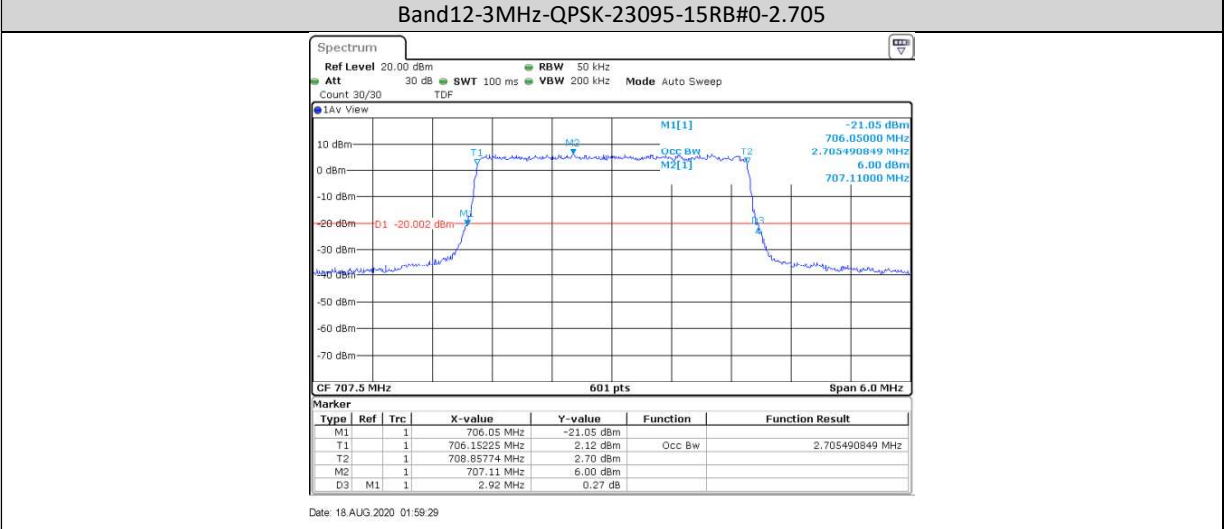
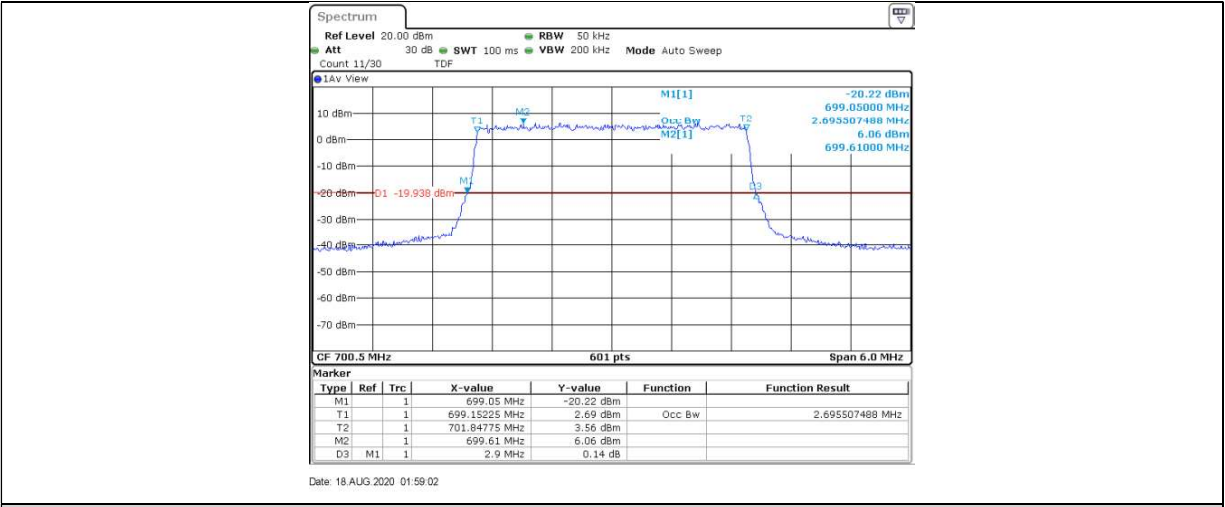
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.088	1.230	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.088	1.230	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.093	1.220	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.088	1.235	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.088	1.225	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.088	1.230	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.696	2.900	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.705	2.920	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.696	2.880	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.696	2.900	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.696	2.900	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.696	2.890	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.496	4.780	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.496	4.800	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.486	4.810	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.496	4.780	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.505	4.780	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.505	4.780	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.985	9.533	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.985	9.533	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.985	9.533	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.985	9.533	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.985	9.533	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.985	9.567	PASS

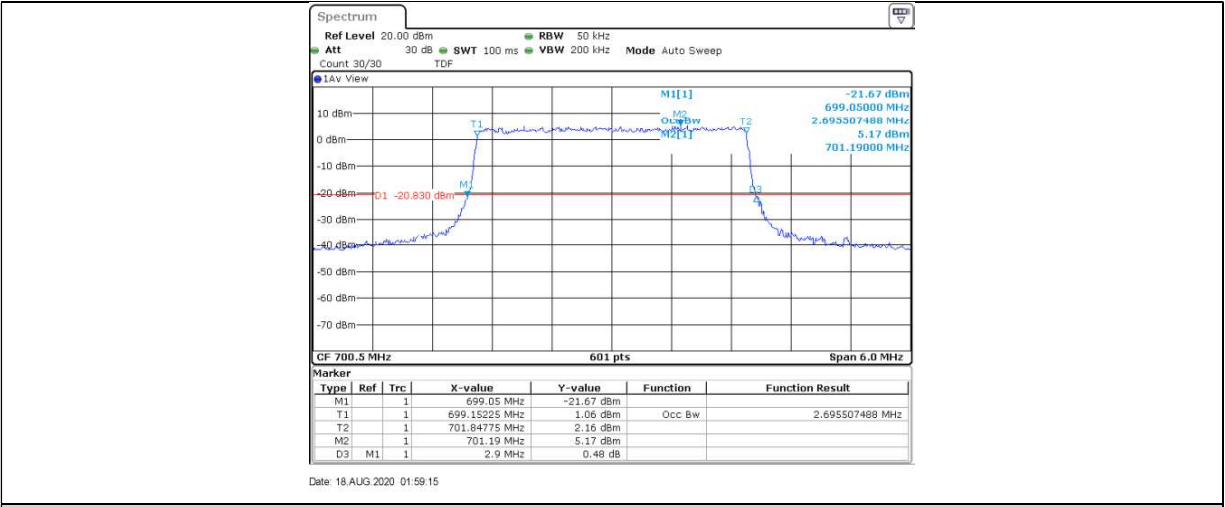
Test Plots



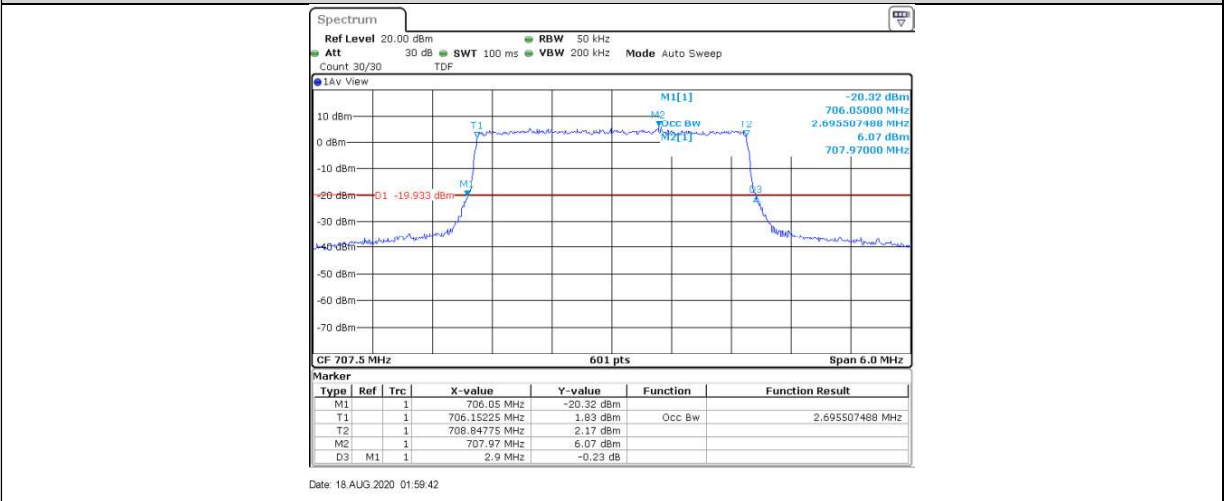


Band12-3MHz-QPSK-23025-15RB#0-2.696

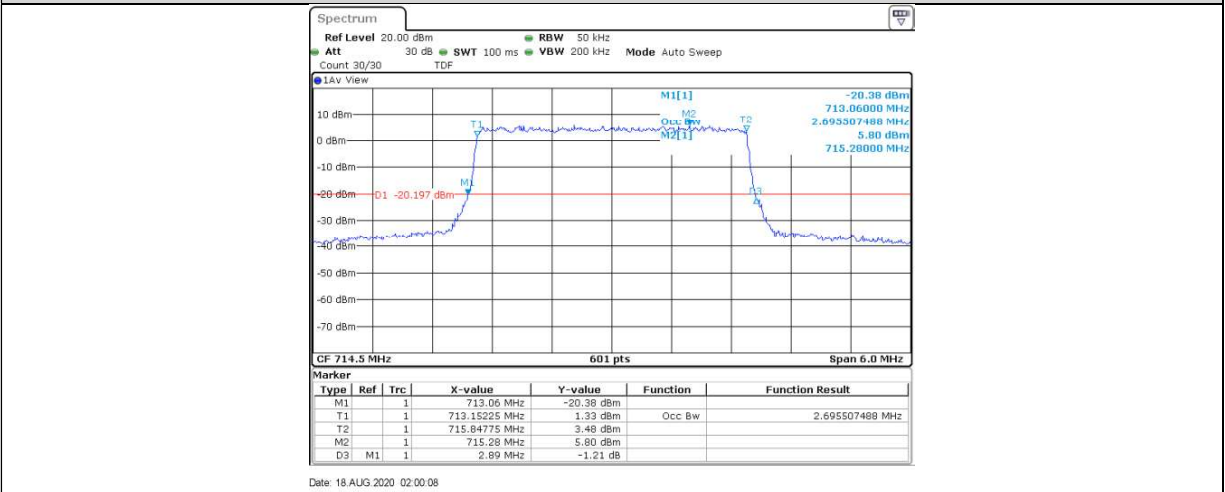




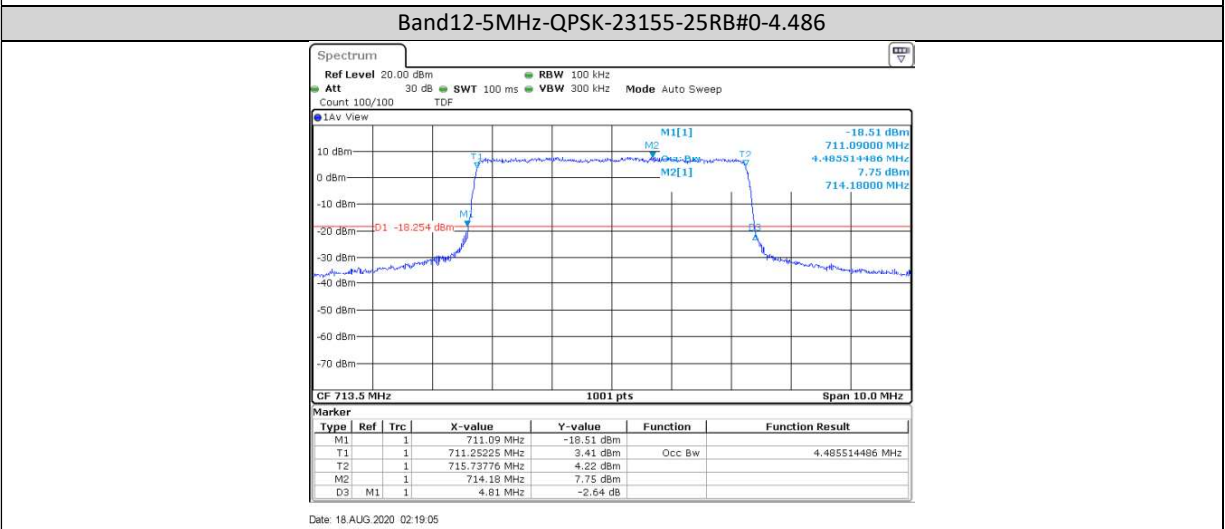
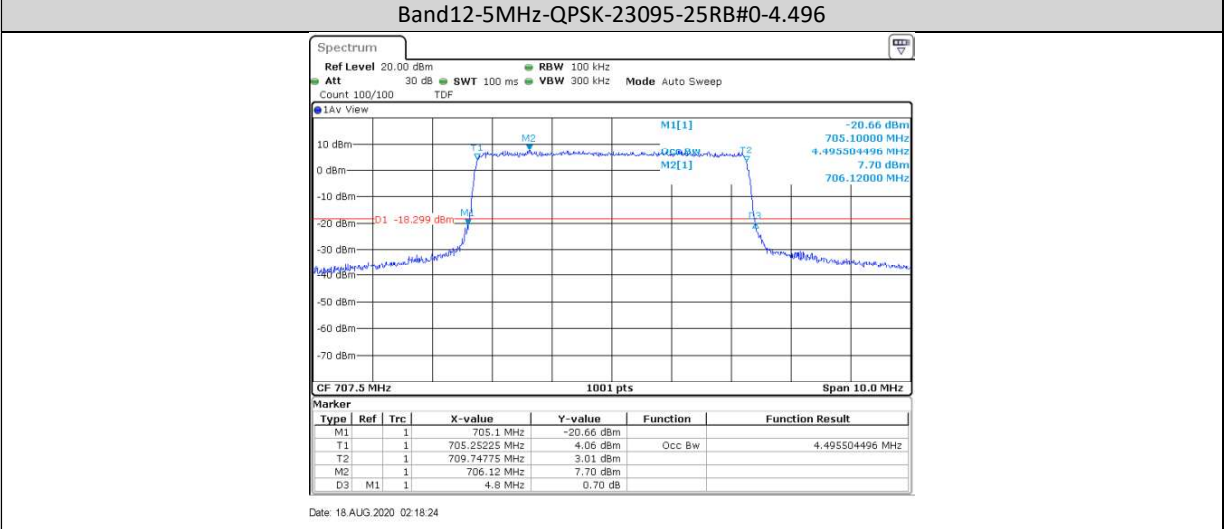
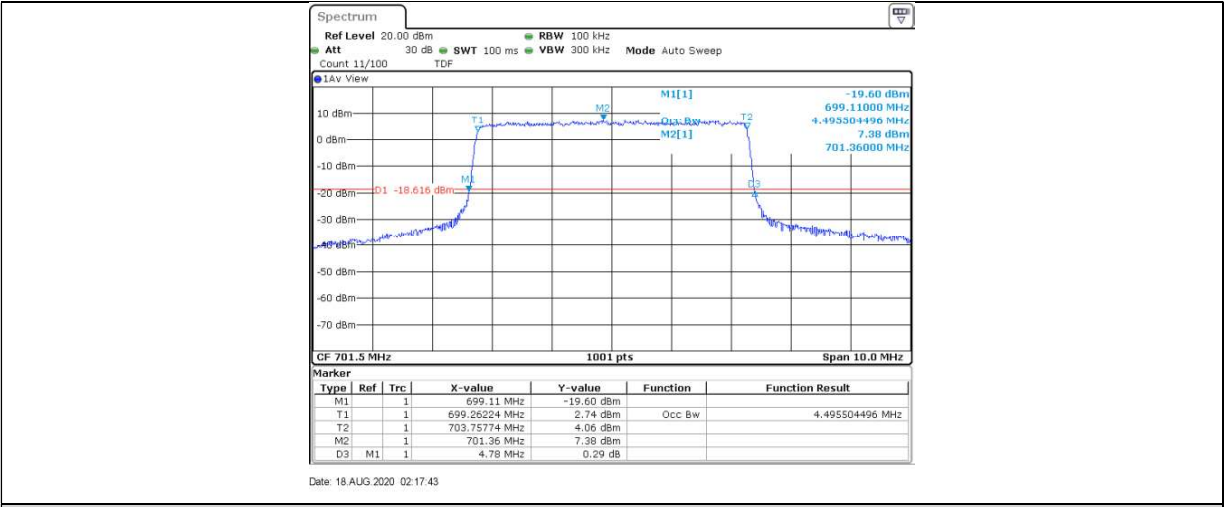
Band12-3MHz-16QAM-23095-15RB#0-2.696

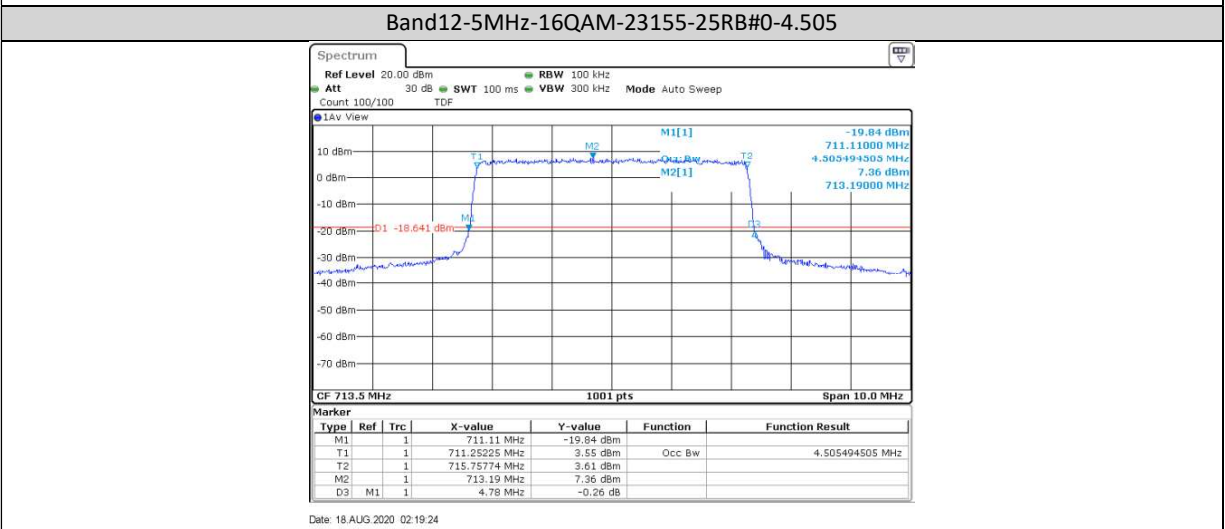
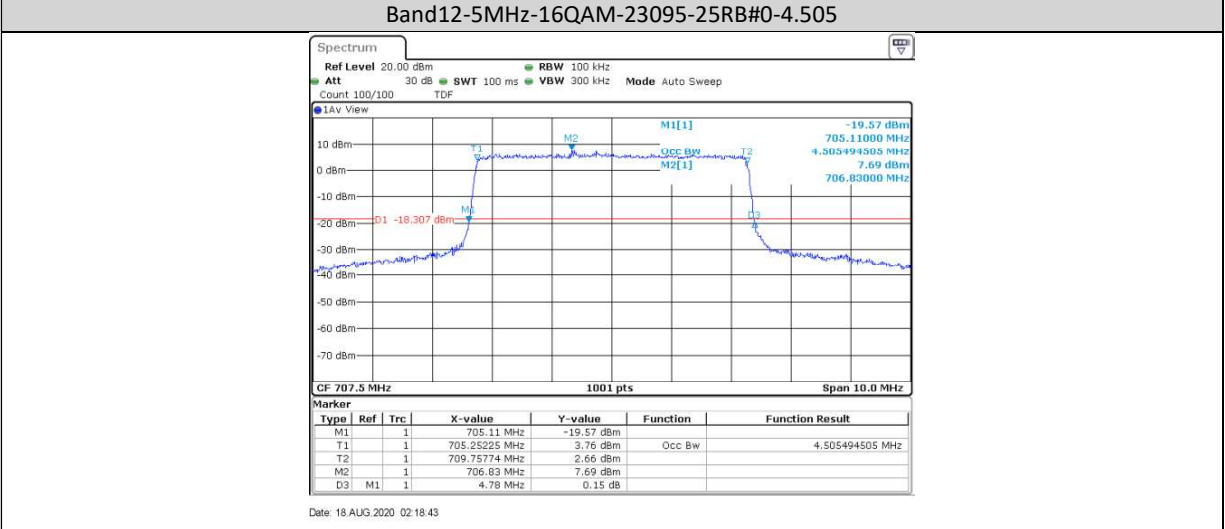
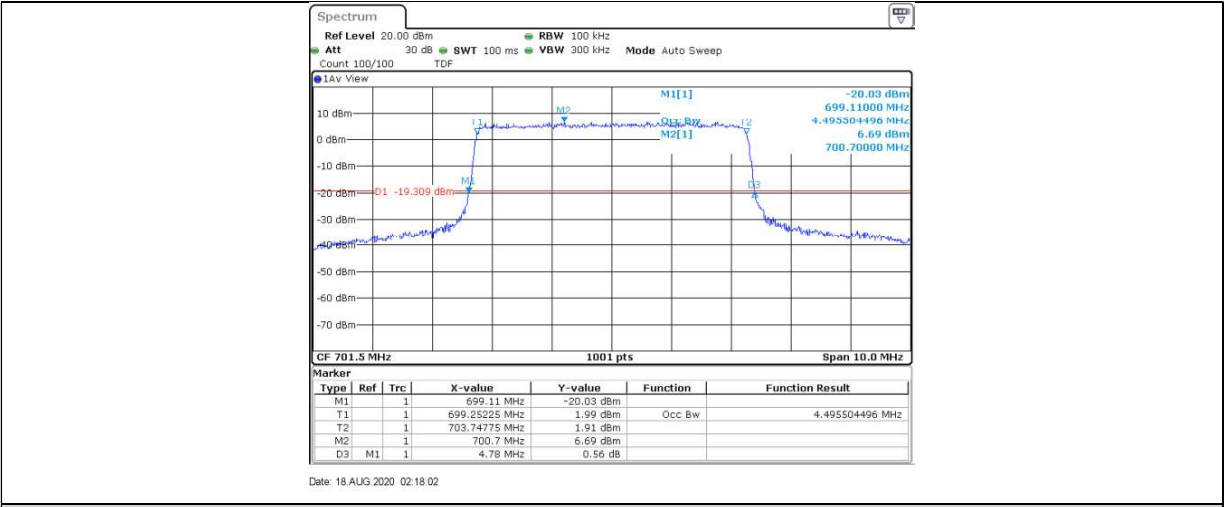


Band12-3MHz-16QAM-23165-15RB#0-2.696

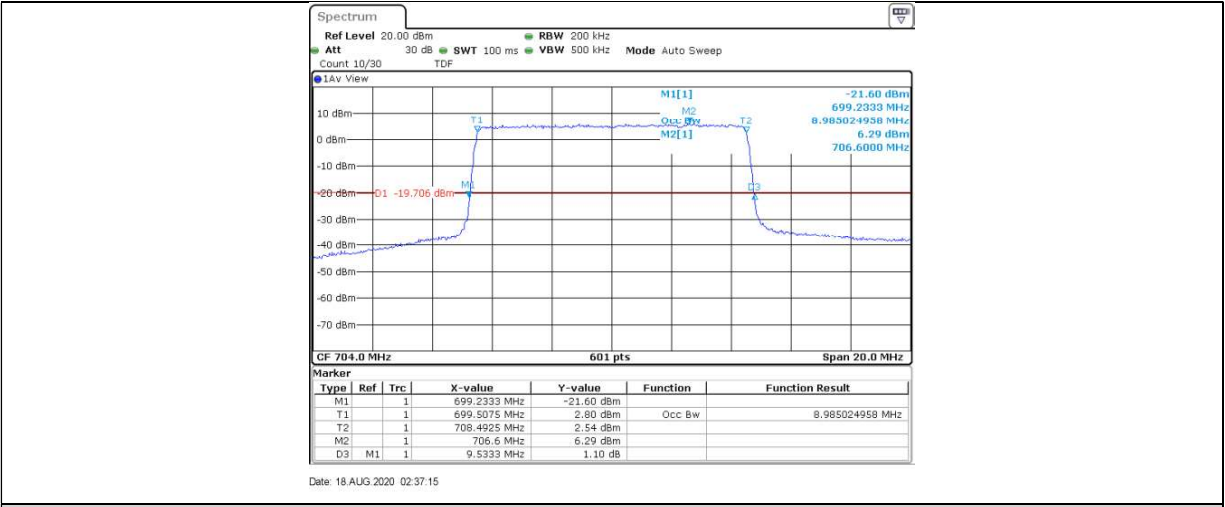


Band12-5MHz-QPSK-23035-25RB#0-4.496

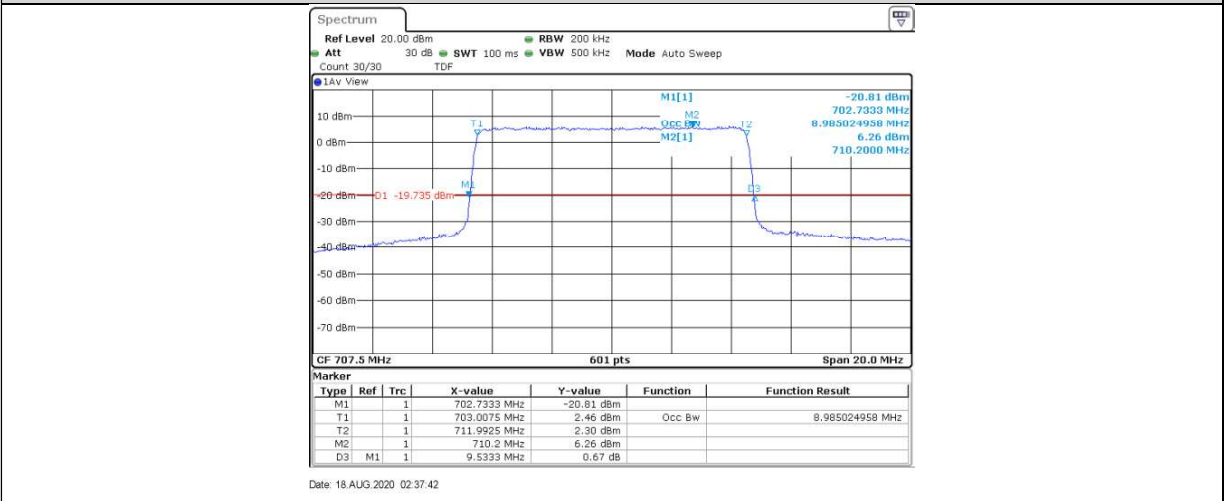




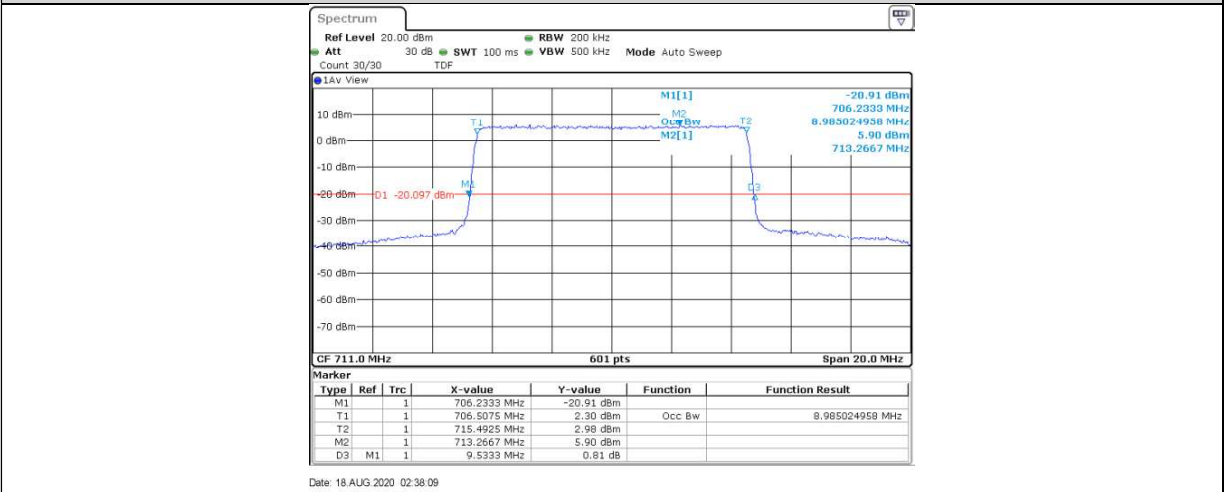
Band12-10MHz-QPSK-23060-50RB#0-8.985



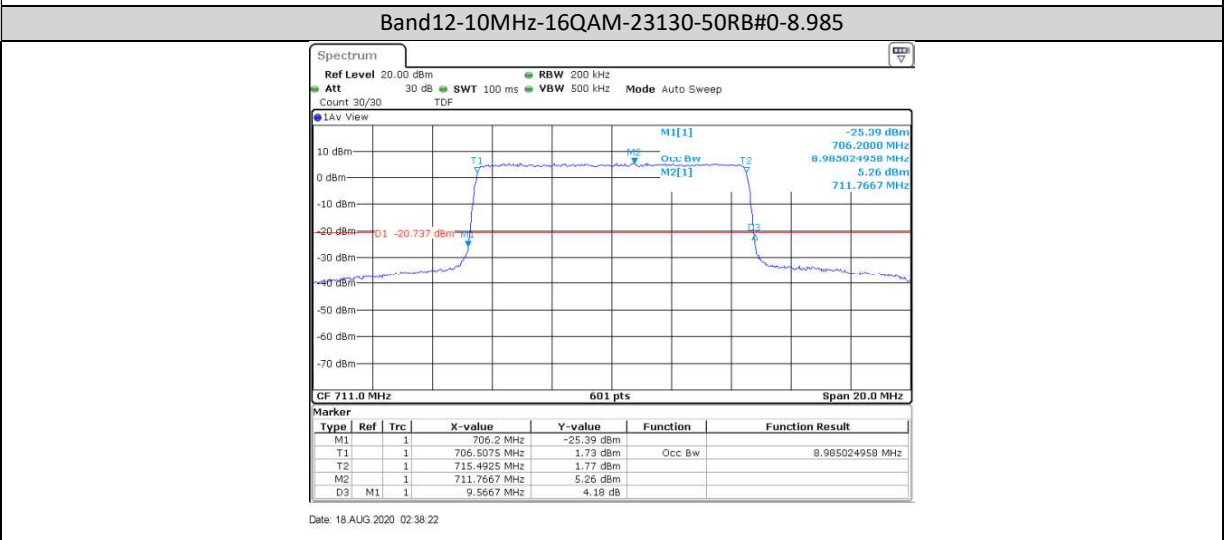
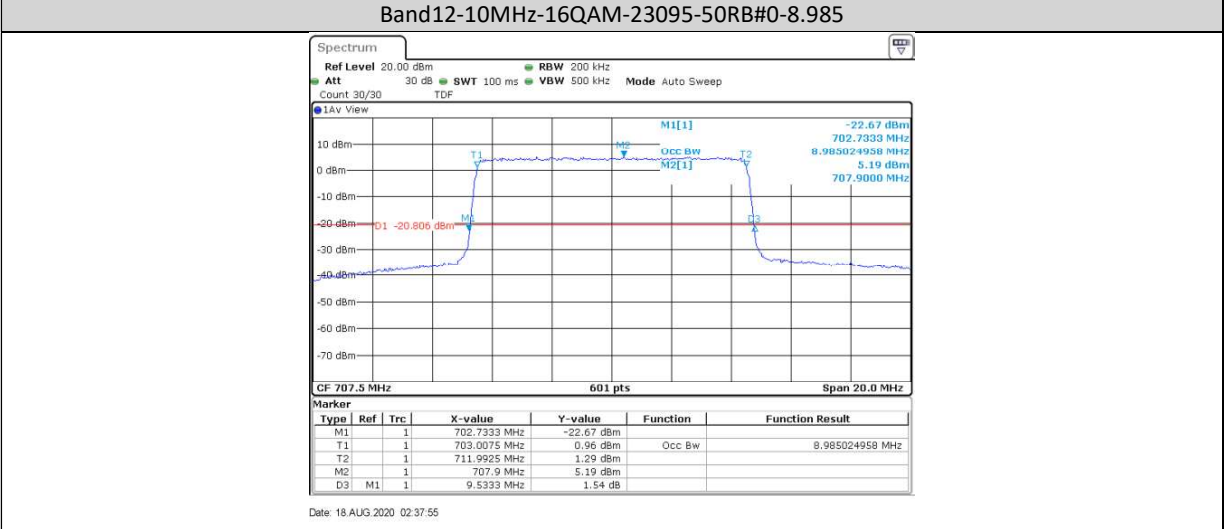
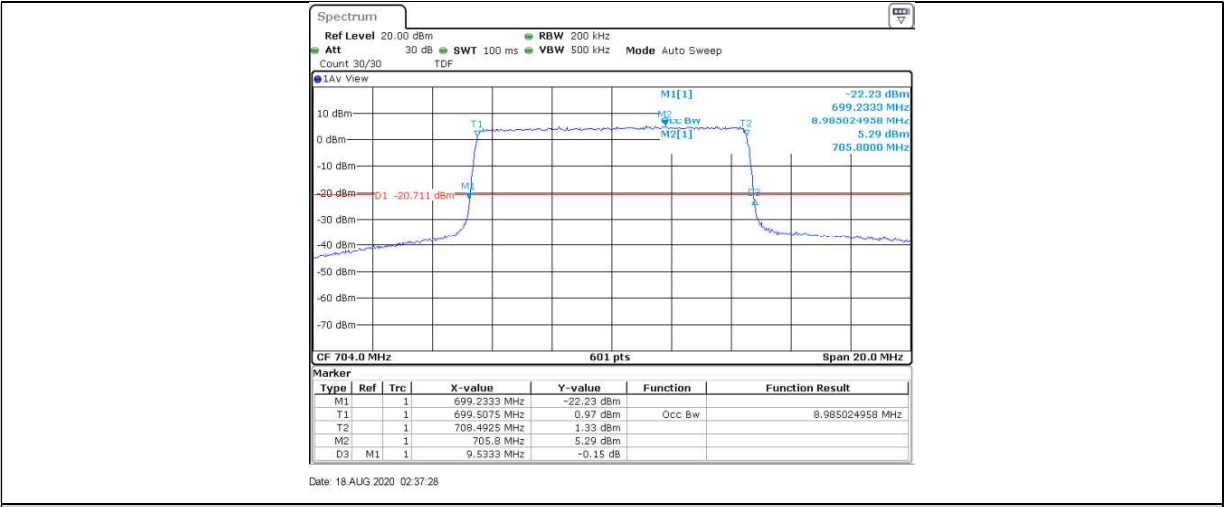
Band12-10MHz-QPSK-23095-50RB#0-8.985



Band12-10MHz-QPSK-23130-50RB#0-8.985



Band12-10MHz-16QAM-23060-50RB#0-8.985



Appendix E: Band Edges Compliance

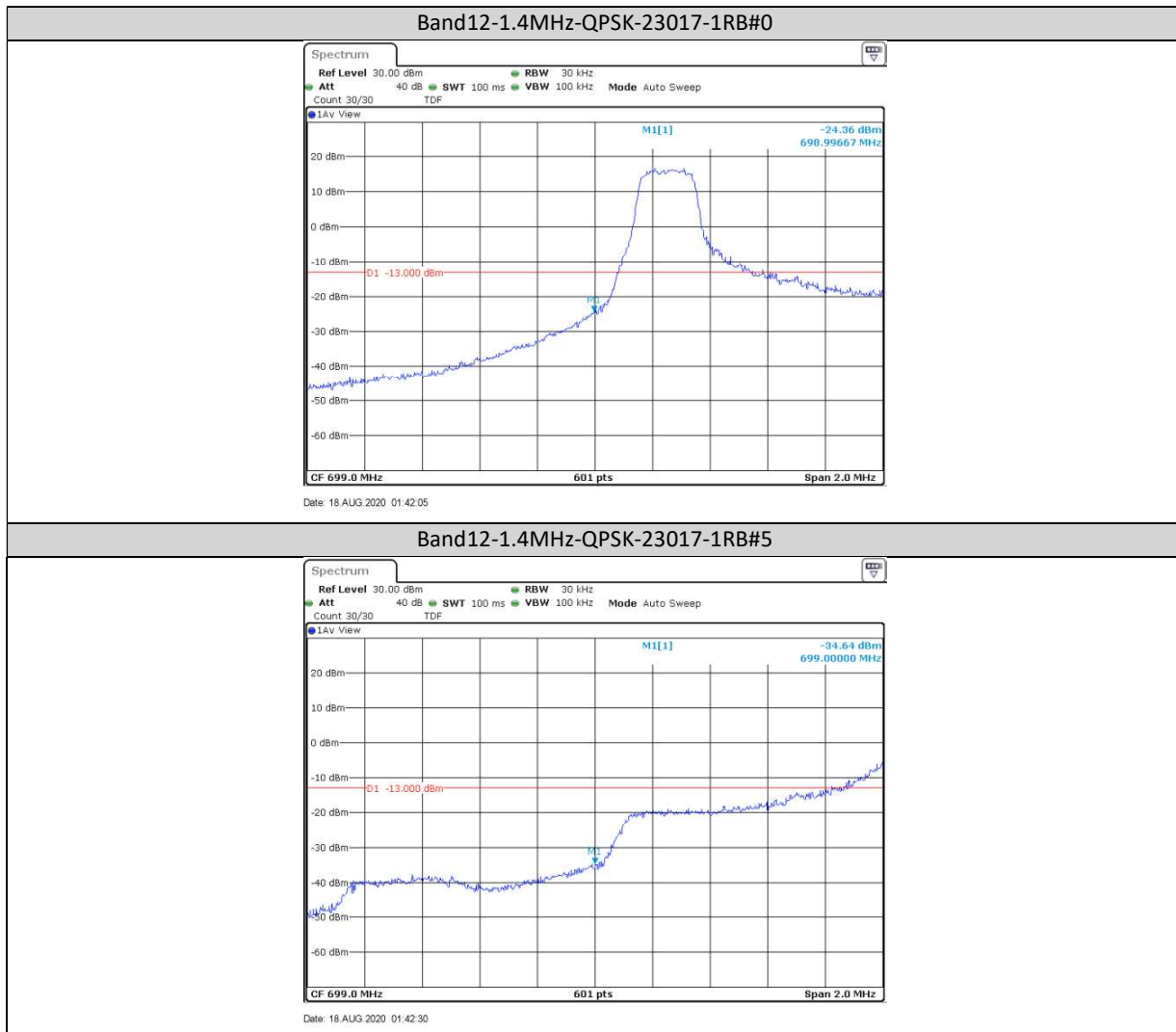
Test Plots

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	-24.36	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	-34.64	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	-28.47	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	-24.13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	-34.59	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	-28.76	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	-36.24	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	-26.19	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	-29.58	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	-33.59	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	-22.24	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	-27.71	PASS
Band12	3MHz	QPSK	23025	1RB#0	-15.64	PASS
Band12	3MHz	QPSK	23025	1RB#14	-29.88	PASS
Band12	3MHz	QPSK	23025	15RB#0	-24.73	PASS
Band12	3MHz	QPSK	23165	1RB#14	-15.34	PASS
Band12	3MHz	QPSK	23165	1RB#0	-28.13	PASS
Band12	3MHz	QPSK	23165	15RB#0	-21.82	PASS
Band12	3MHz	16QAM	23025	1RB#14	-30.95	PASS
Band12	3MHz	16QAM	23025	1RB#0	-15.57	PASS
Band12	3MHz	16QAM	23025	15RB#0	-24.28	PASS
Band12	3MHz	16QAM	23165	1RB#0	-27.74	PASS
Band12	3MHz	16QAM	23165	1RB#14	-15.31	PASS
Band12	3MHz	16QAM	23165	15RB#0	-23.18	PASS
Band12	5MHz	QPSK	23035	1RB#24	-35.70	PASS
Band12	5MHz	QPSK	23035	1RB#0	-19.68	PASS
Band12	5MHz	QPSK	23035	25RB#0	-27.95	PASS
Band12	5MHz	QPSK	23155	1RB#0	-35.18	PASS
Band12	5MHz	QPSK	23155	1RB#24	-19.68	PASS
Band12	5MHz	QPSK	23155	25RB#0	-27.70	PASS
Band12	5MHz	16QAM	23035	1RB#0	-21.43	PASS
Band12	5MHz	16QAM	23035	1RB#24	-36.05	PASS
Band12	5MHz	16QAM	23035	25RB#0	-29.83	PASS
Band12	5MHz	16QAM	23155	1RB#0	-35.77	PASS
Band12	5MHz	16QAM	23155	1RB#24	-18.18	PASS
Band12	5MHz	16QAM	23155	25RB#0	-27.38	PASS
Band12	10MHz	QPSK	23060	1RB#49	-39.27	PASS
Band12	10MHz	QPSK	23060	1RB#0	-23.66	PASS
Band12	10MHz	QPSK	23060	50RB#0	-32.55	PASS
Band12	10MHz	QPSK	23130	1RB#49	-24.60	PASS
Band12	10MHz	QPSK	23130	1RB#0	-38.95	PASS
Band12	10MHz	QPSK	23130	50RB#0	-30.80	PASS
Band12	10MHz	16QAM	23060	1RB#0	-25.30	PASS
Band12	10MHz	16QAM	23060	1RB#49	-41.10	PASS

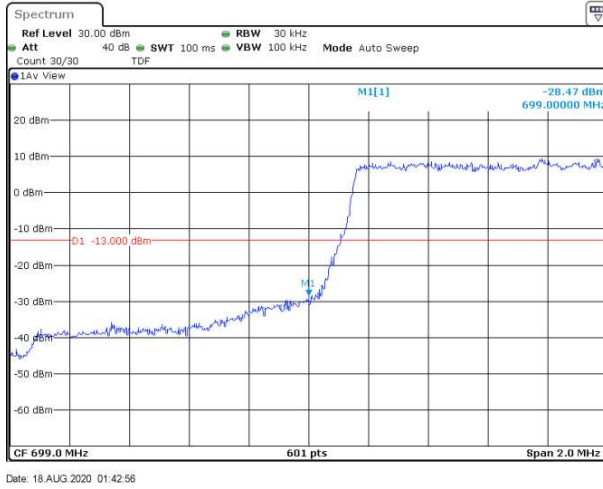
Total Quality. Assured.

Band12	10MHz	16QAM	23060	50RB#0	-32.35	PASS
Band12	10MHz	16QAM	23130	1RB#0	-39.81	PASS
Band12	10MHz	16QAM	23130	1RB#49	-25.23	PASS
Band12	10MHz	16QAM	23130	50RB#0	-30.85	PASS

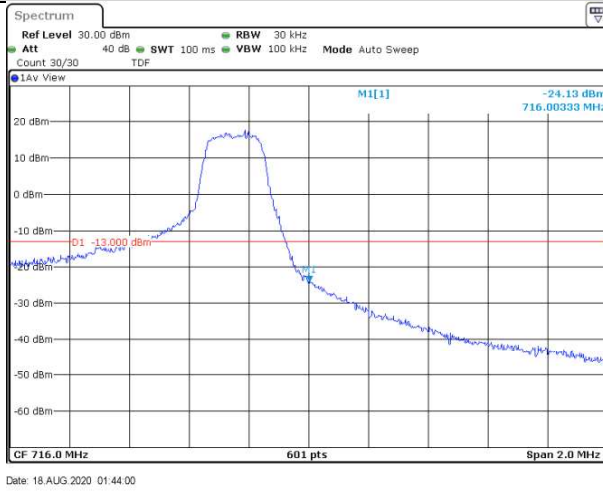
Test Graphs



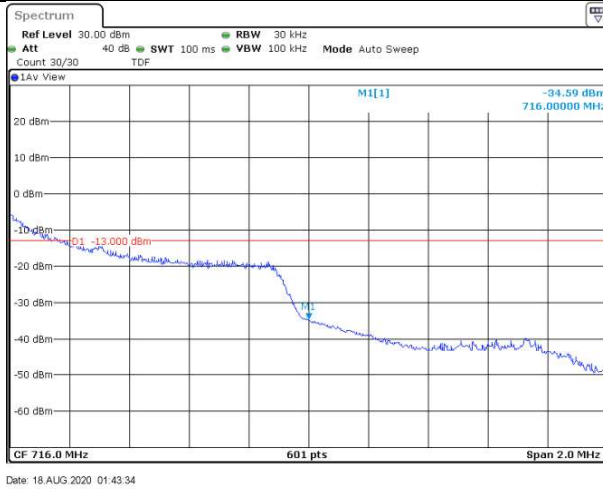
Band12-1.4MHz-QPSK-23017-6RB#0



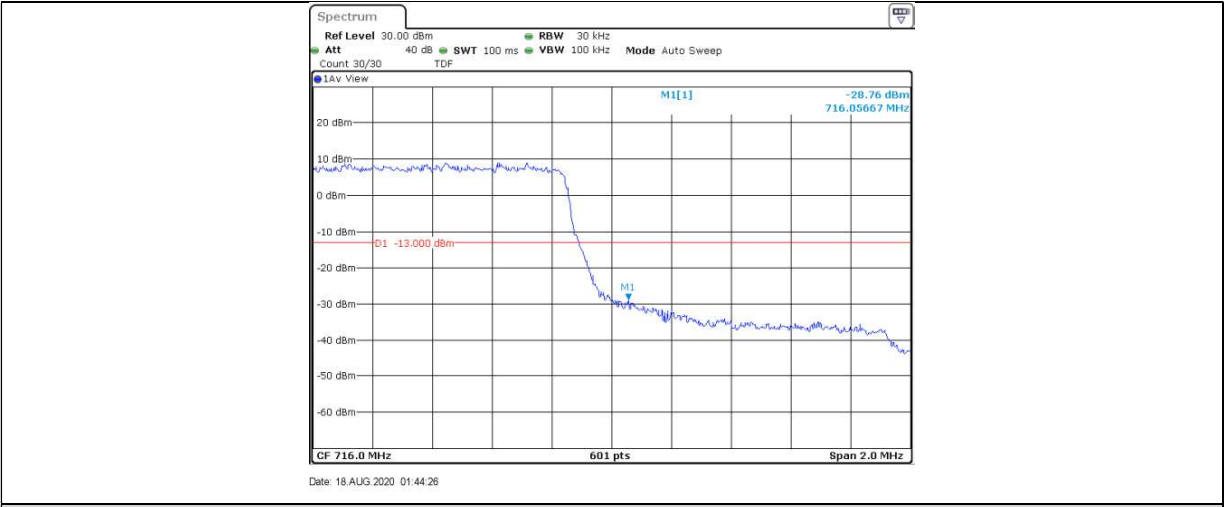
Band12-1.4MHz-QPSK-23173-1RB#5



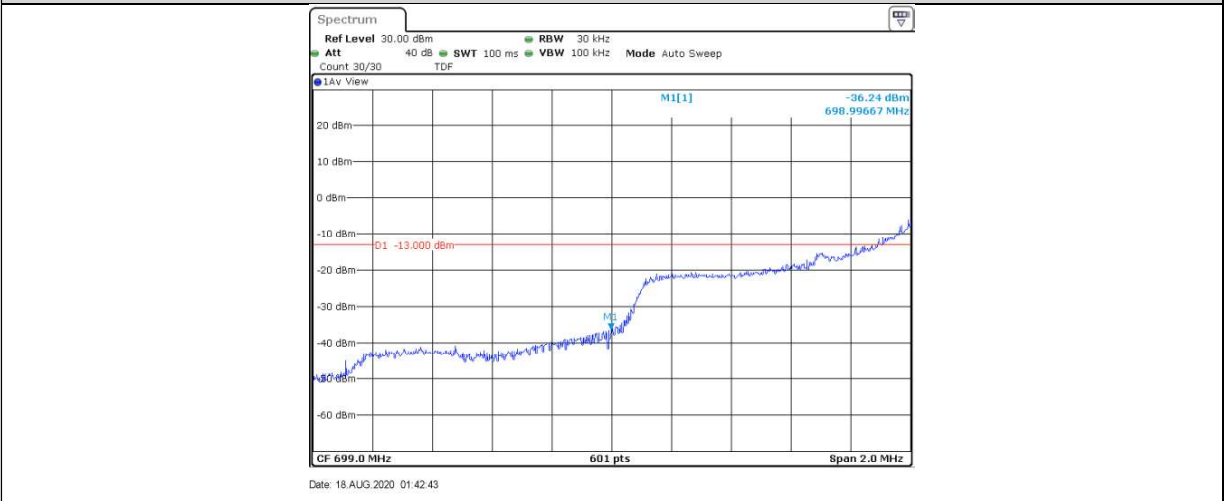
Band12-1.4MHz-QPSK-23173-1RB#0



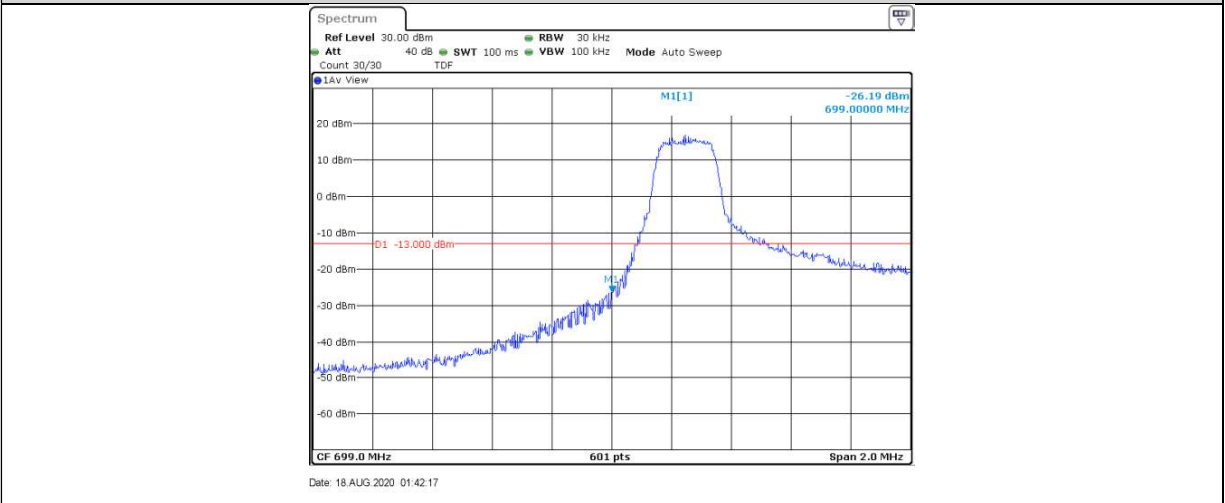
Band12-1.4MHz-QPSK-23173-6RB#0



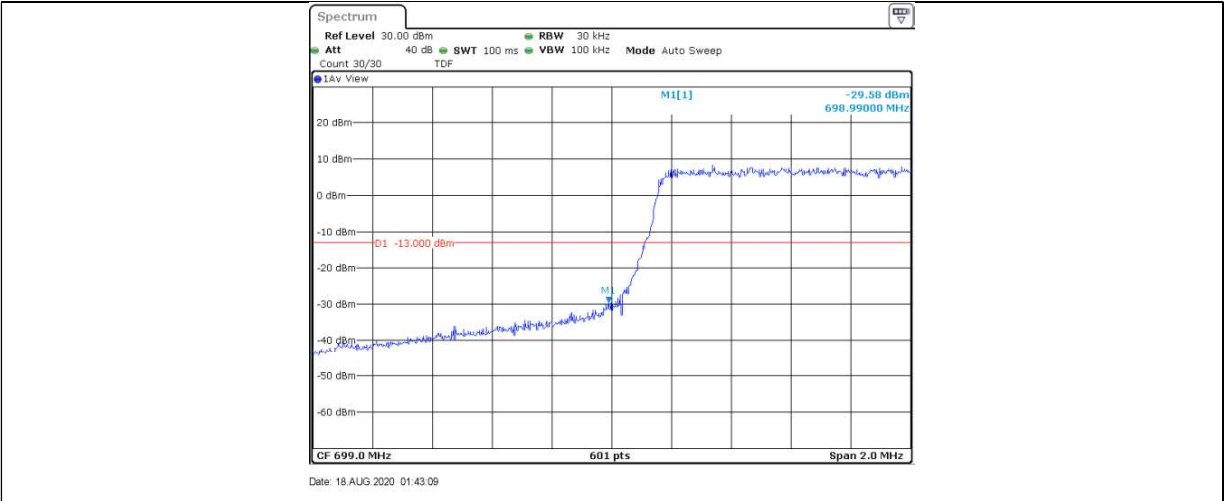
Band12-1.4MHz-16QAM-23017-1RB#5



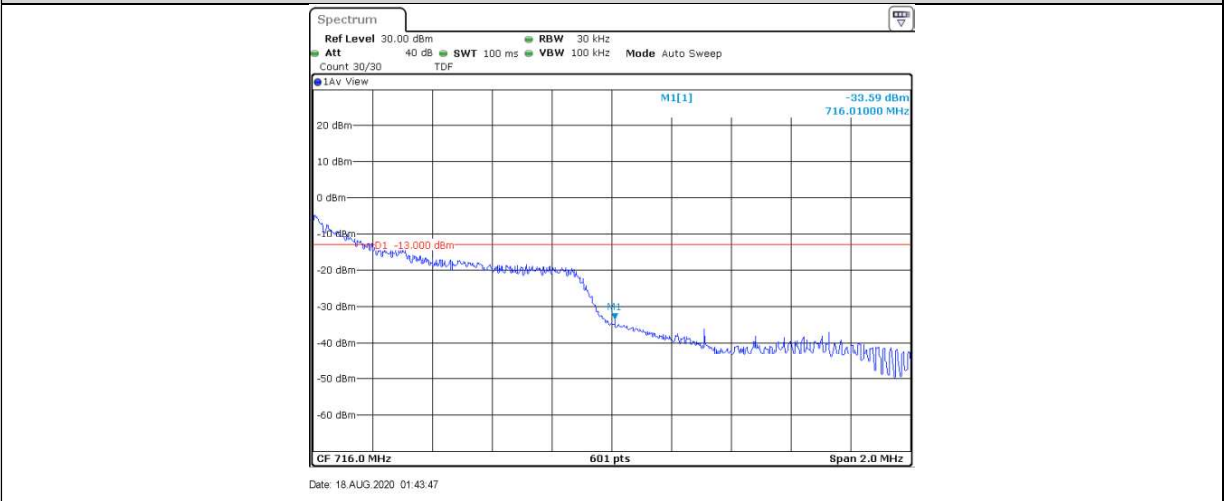
Band12-1.4MHz-16QAM-23017-1RB#0



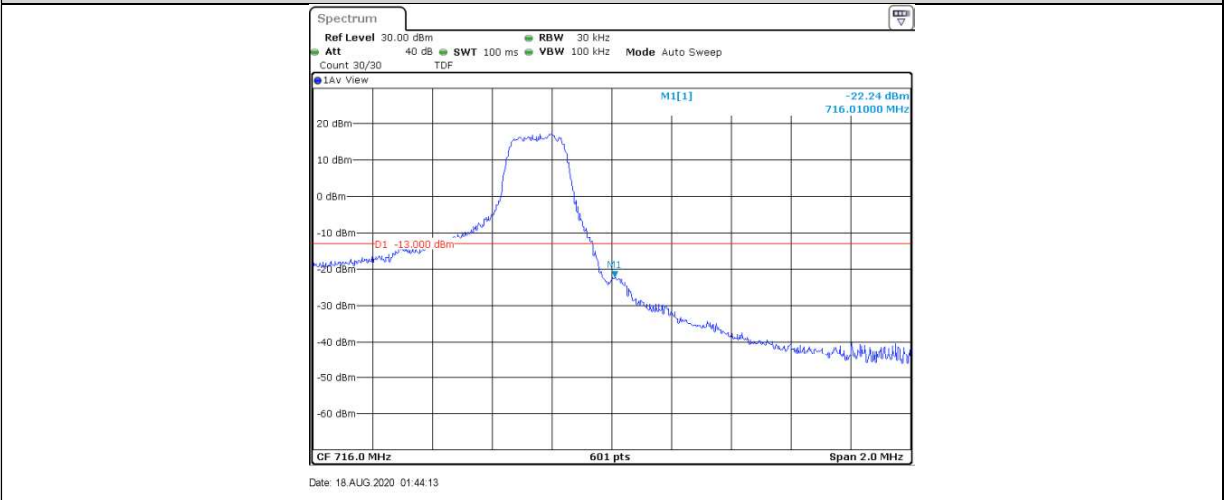
Band12-1.4MHz-16QAM-23017-6RB#0



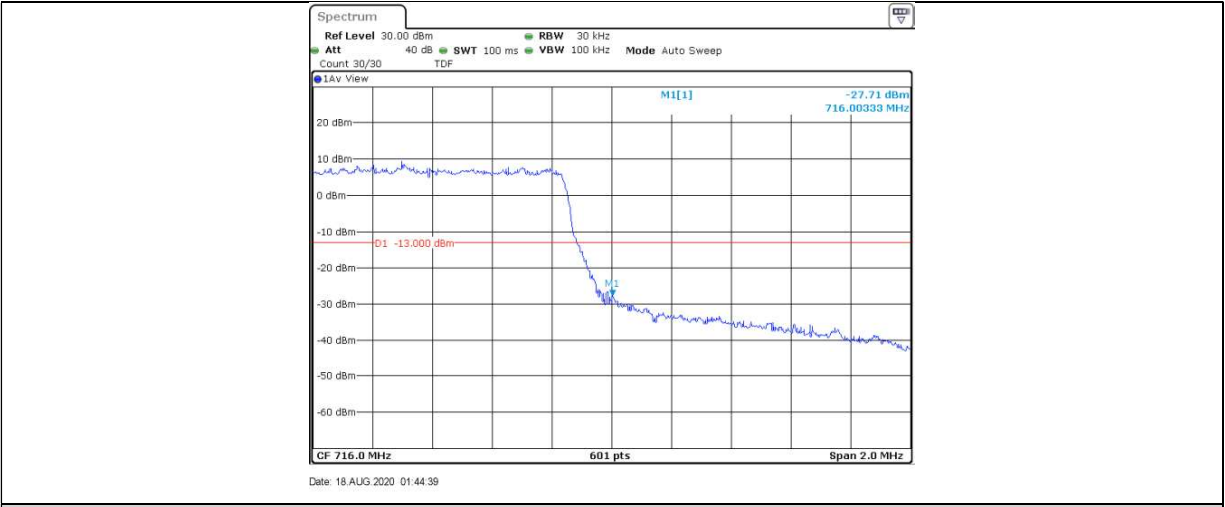
Band12-1.4MHz-16QAM-23173-1RB#0



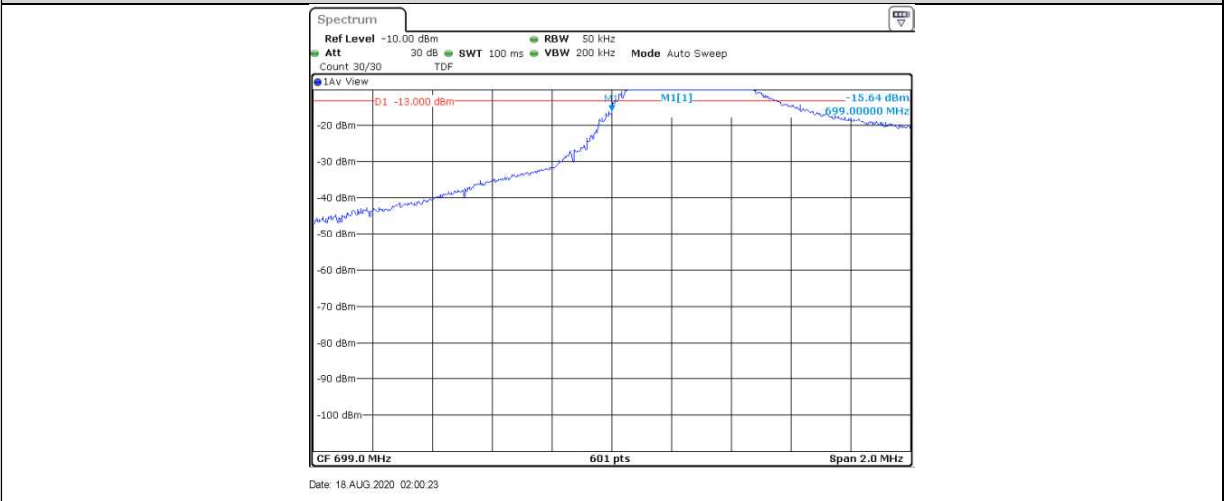
Band12-1.4MHz-16QAM-23173-1RB#5



Band12-1.4MHz-16QAM-23173-6RB#0



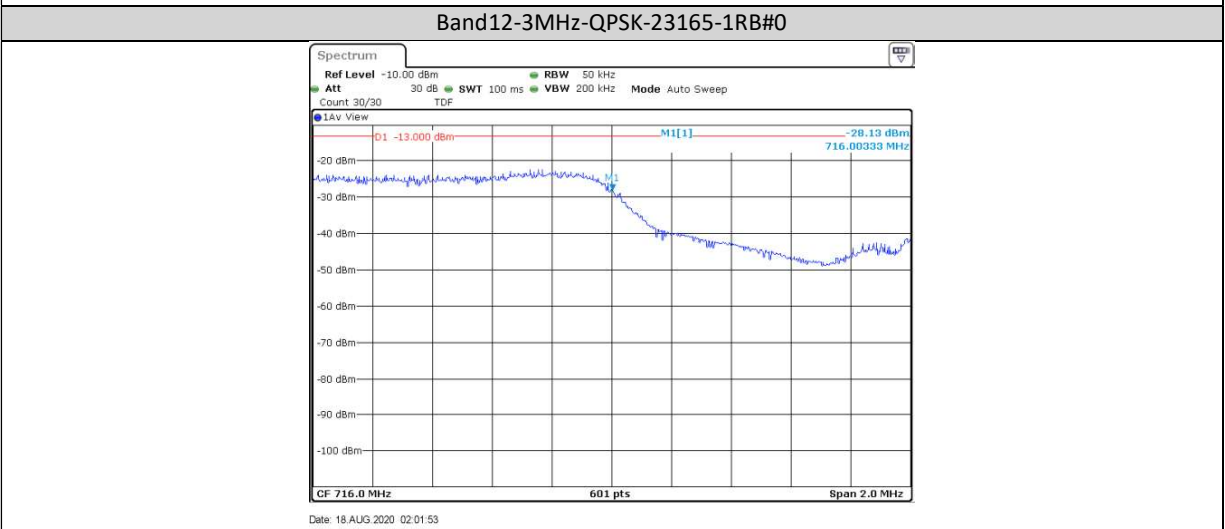
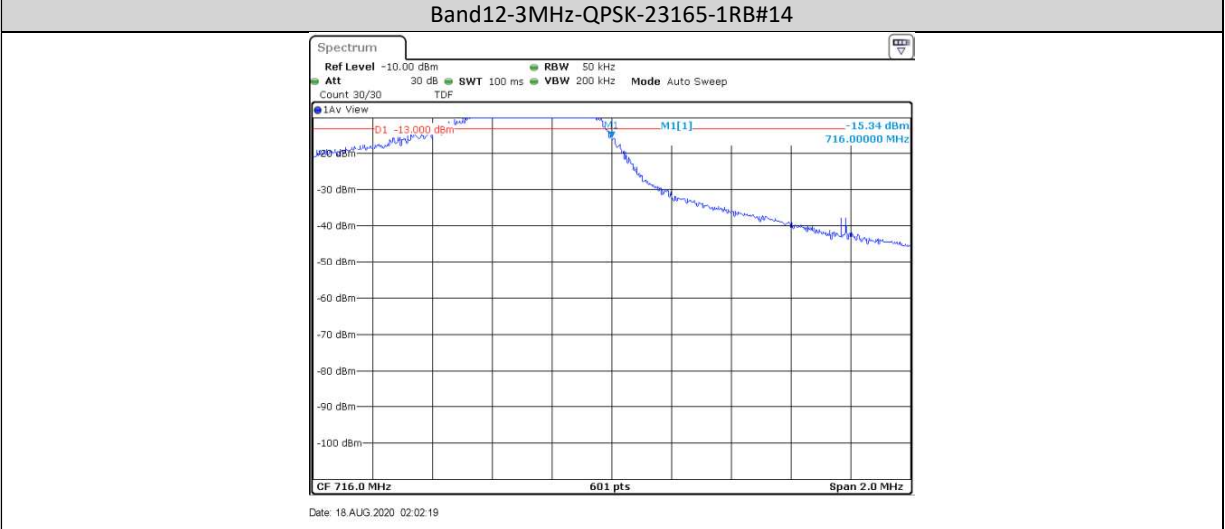
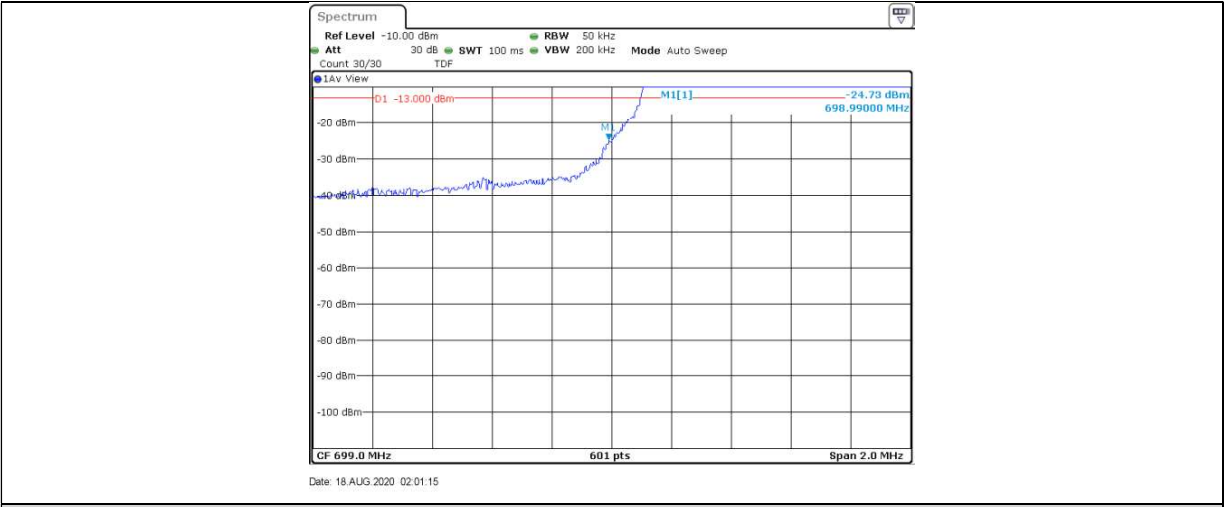
Band12-3MHz-QPSK-23025-1RB#0



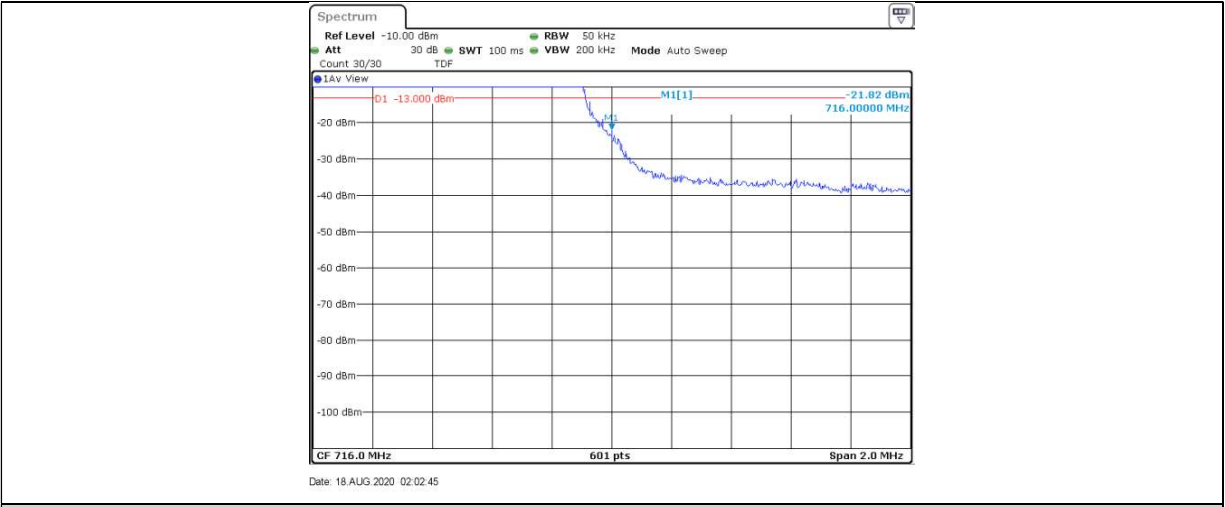
Band12-3MHz-QPSK-23025-1RB#14



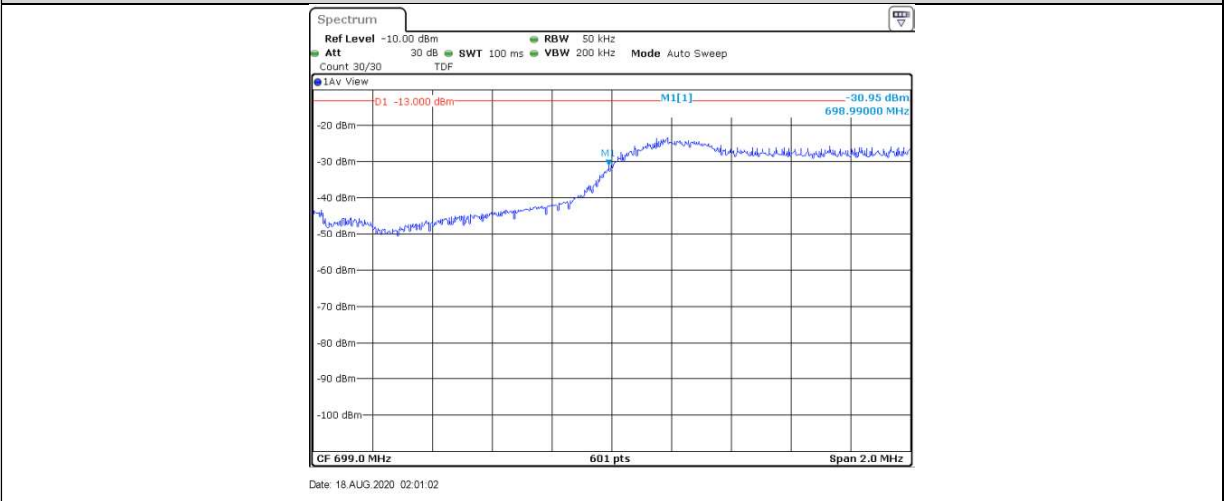
Band12-3MHz-QPSK-23025-15RB#0



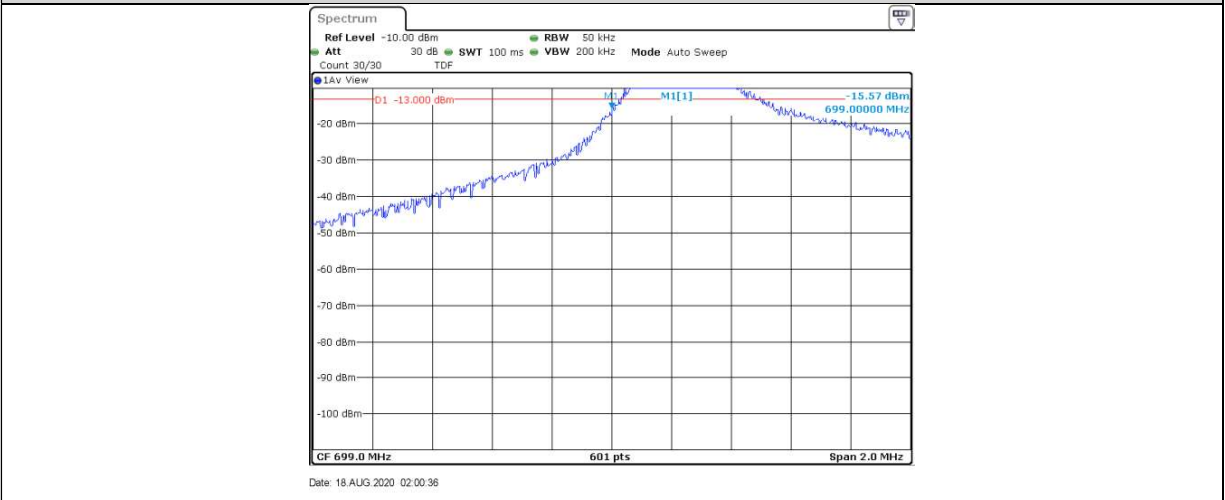
Band12-3MHz-QPSK-23165-15RB#0



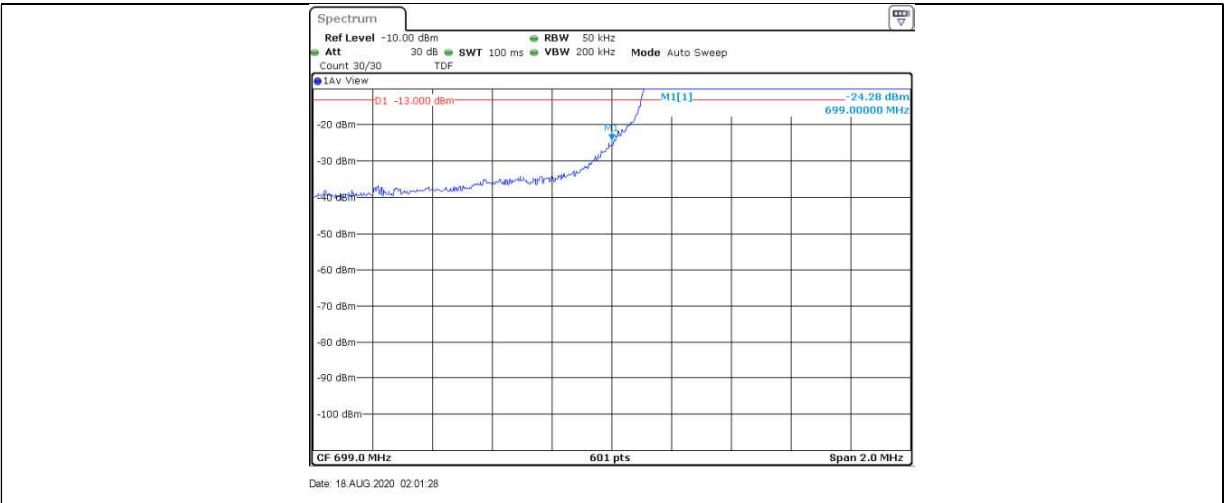
Band12-3MHz-16QAM-23025-1RB#14



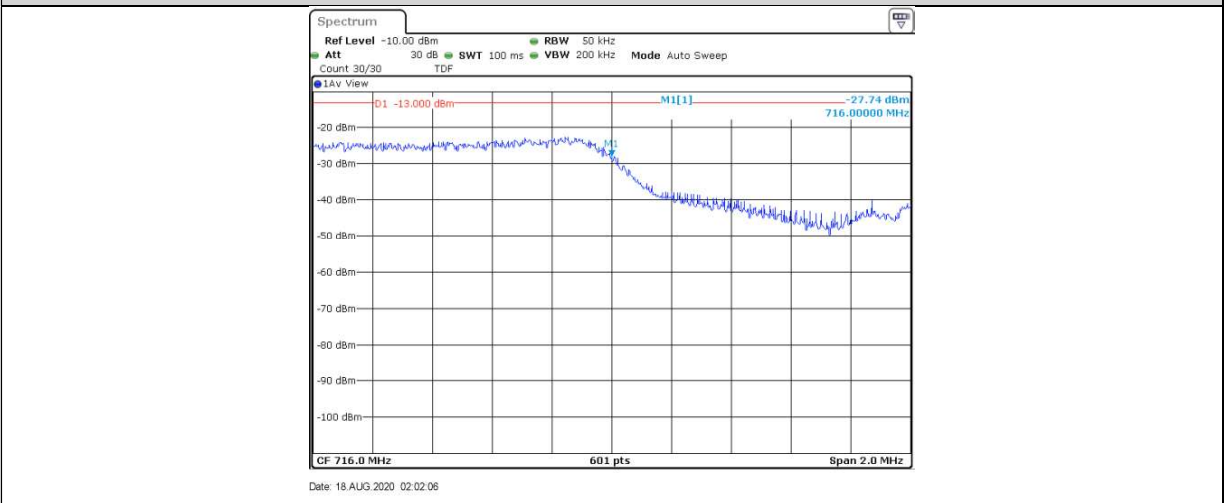
Band12-3MHz-16QAM-23025-1RB#0



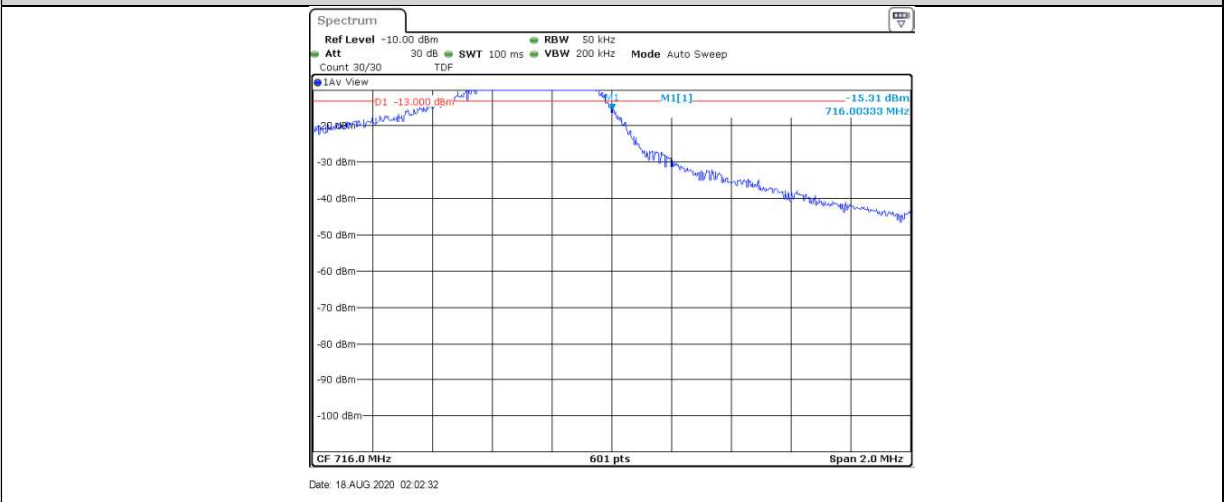
Band12-3MHz-16QAM-23025-15RB#0



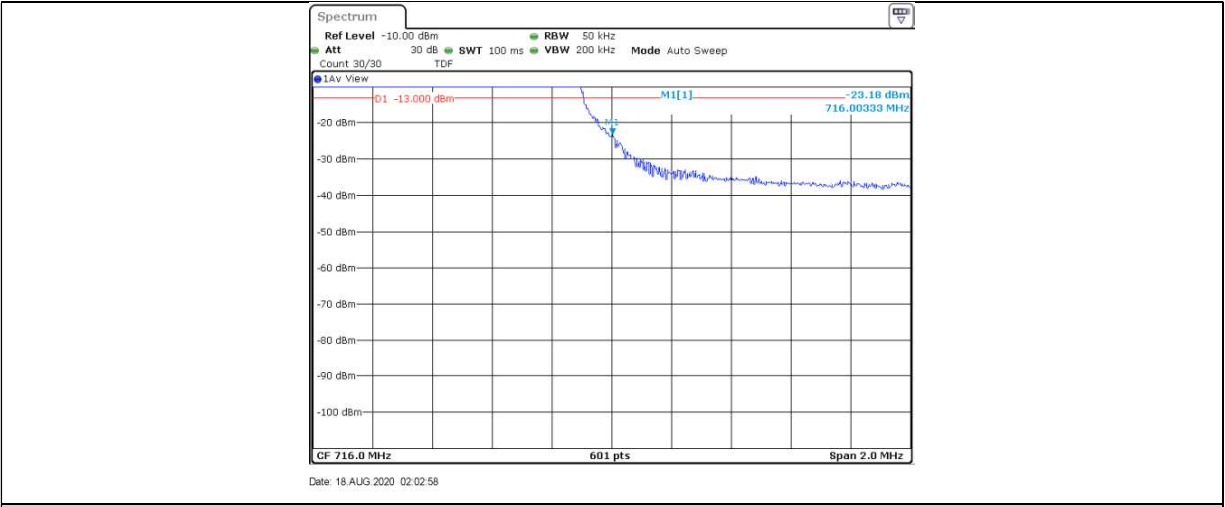
Band12-3MHz-16QAM-23165-1RB#0



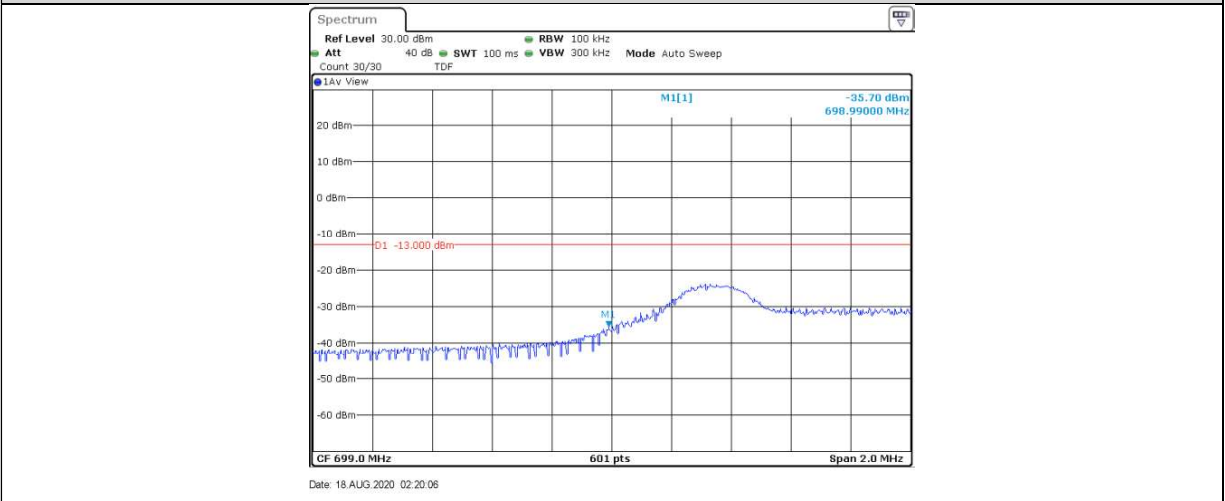
Band12-3MHz-16QAM-23165-1RB#14



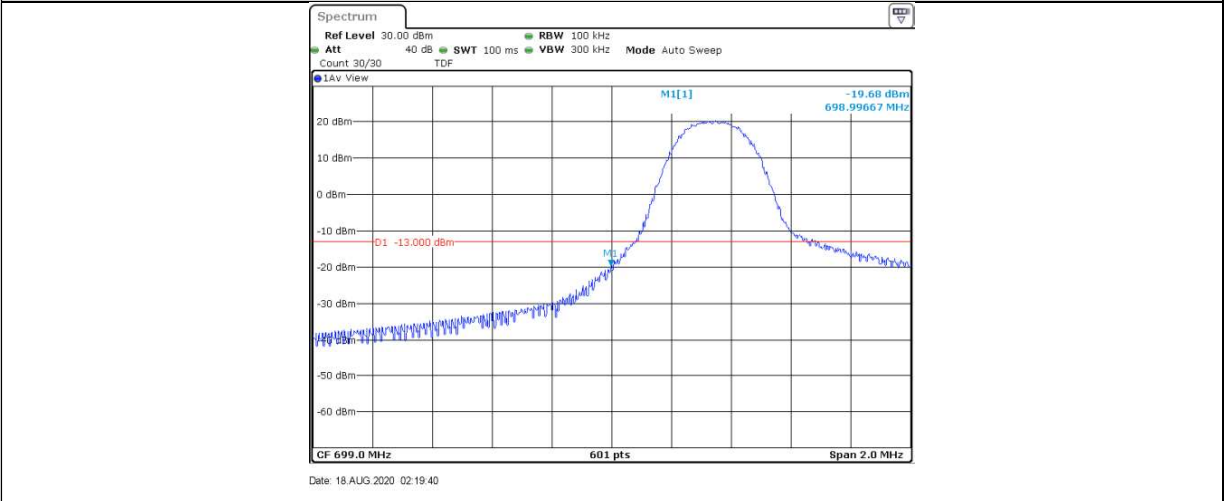
Band12-3MHz-16QAM-23165-15RB#0



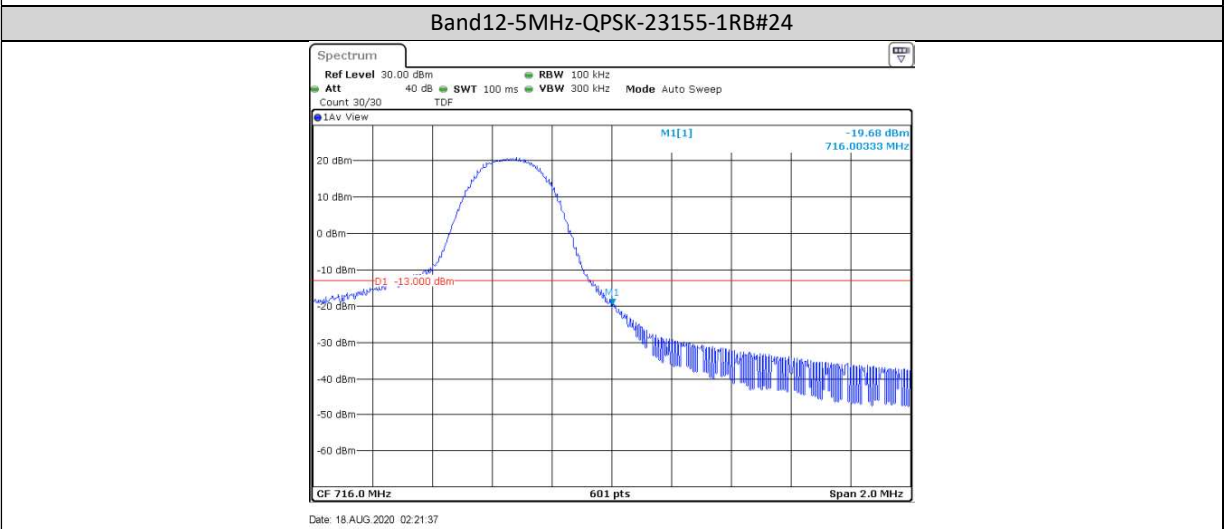
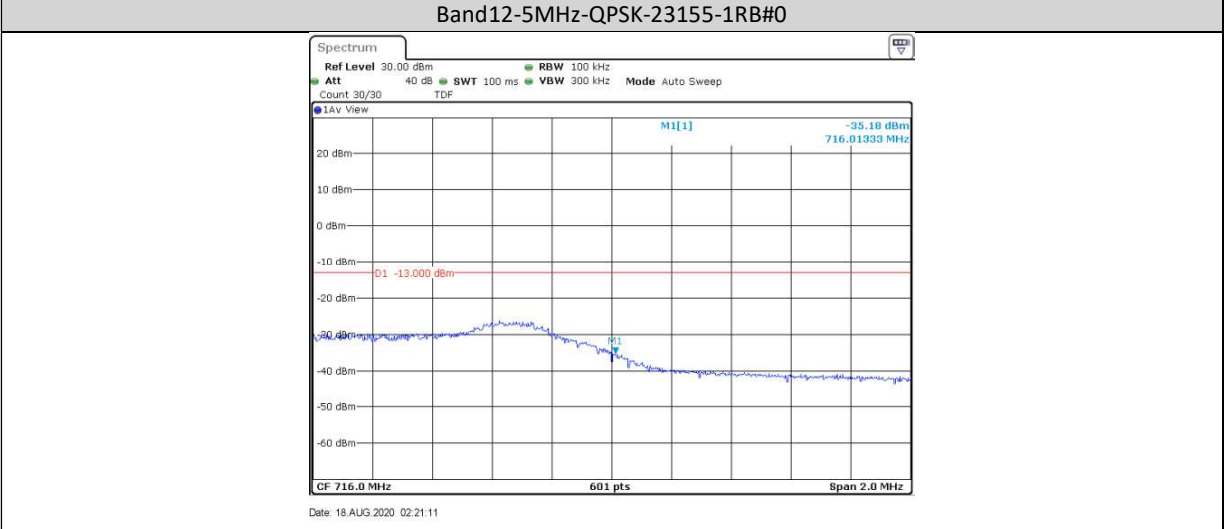
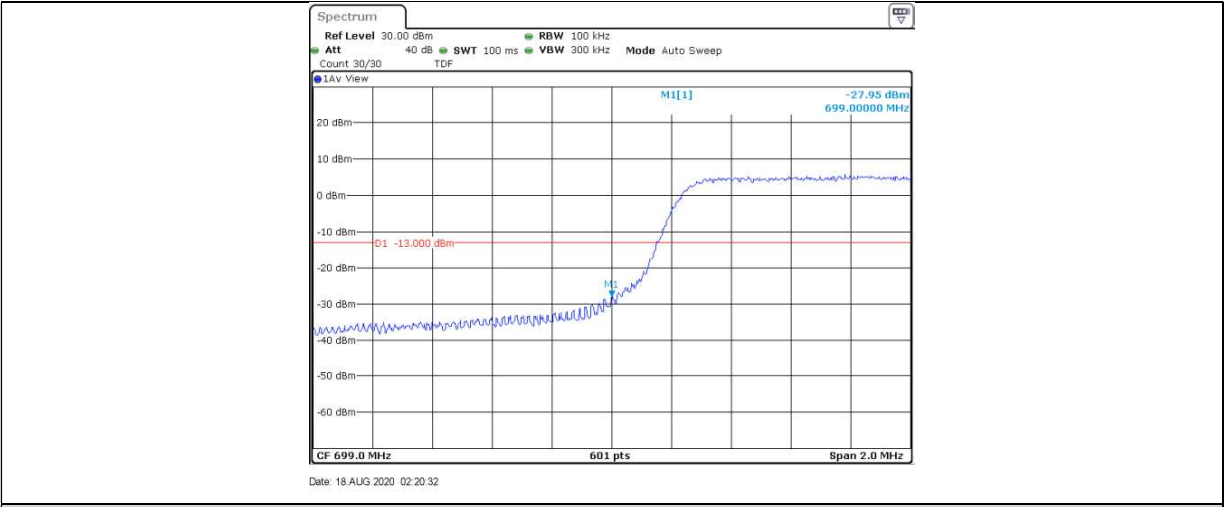
Band12-5MHz-QPSK-23035-1RB#24



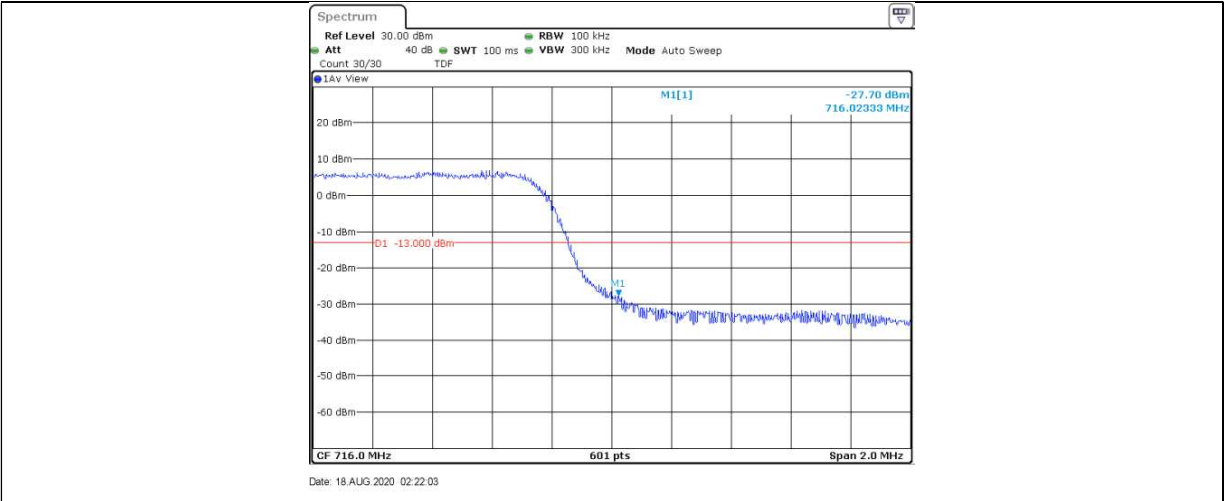
Band12-5MHz-QPSK-23035-1RB#0



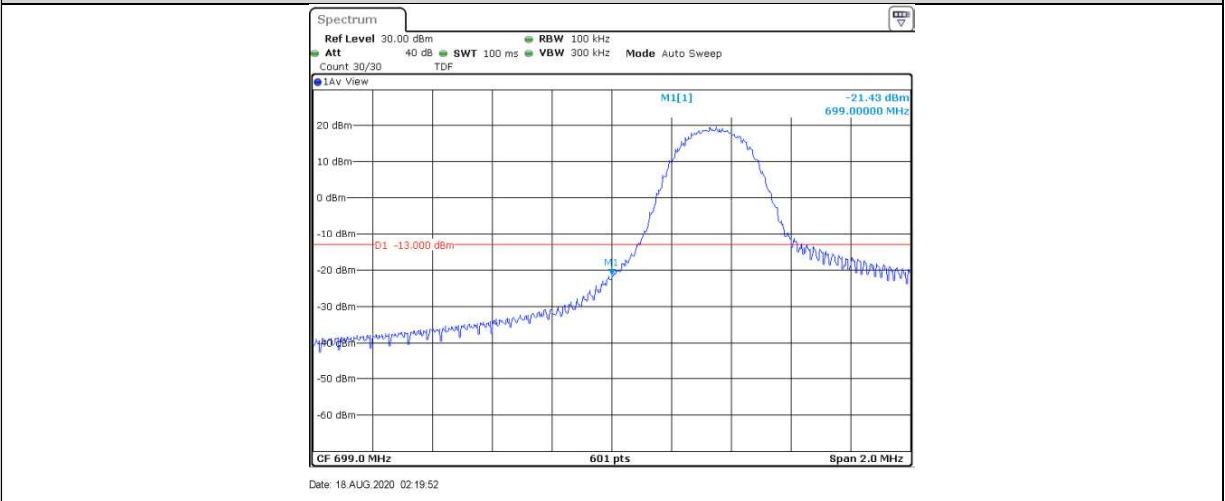
Band12-5MHz-QPSK-23035-25RB#0



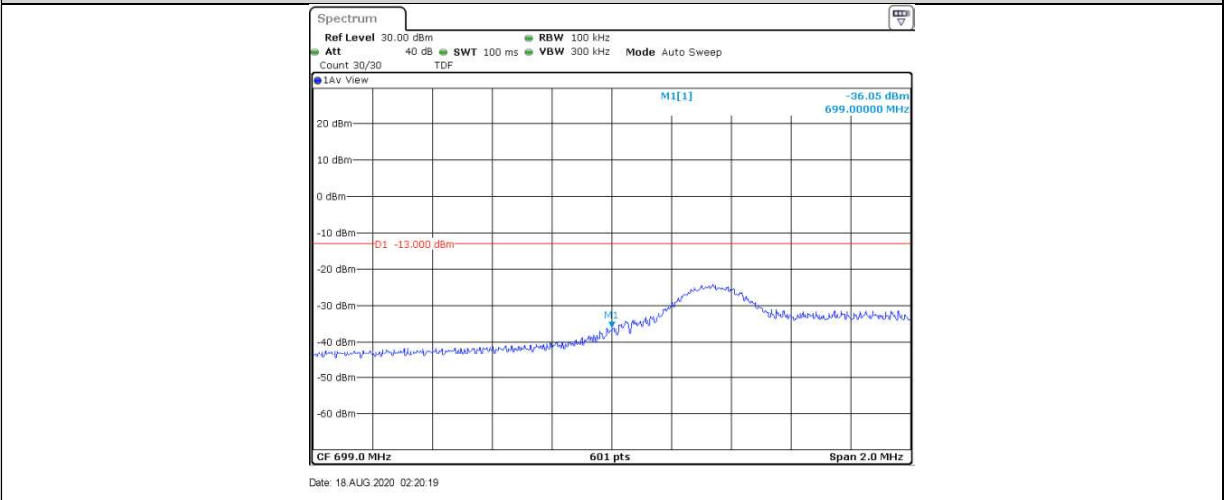
Band12-5MHz-QPSK-23155-25RB#0



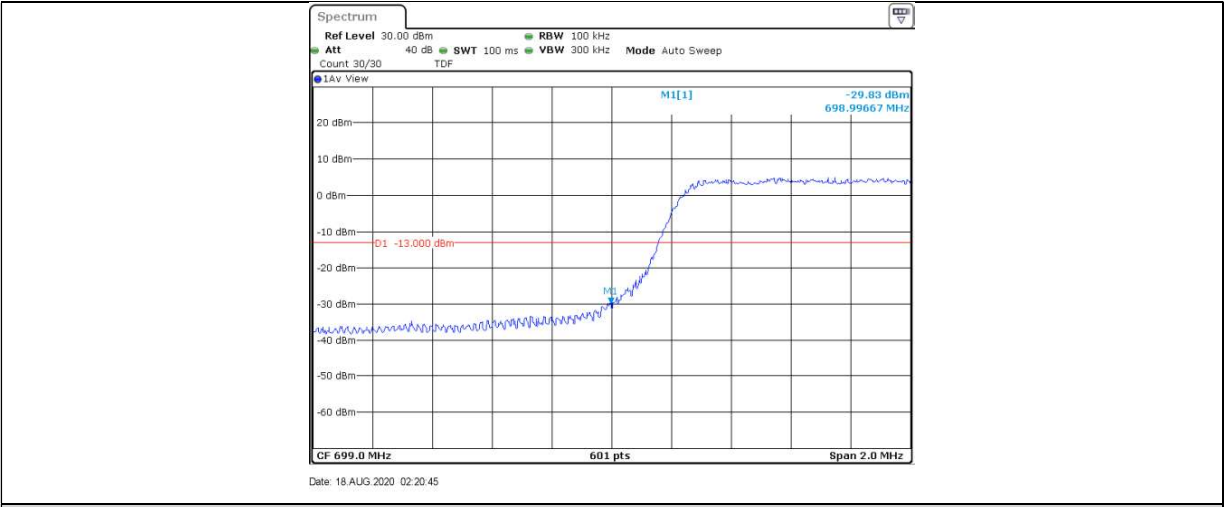
Band12-5MHz-16QAM-23035-1RB#0



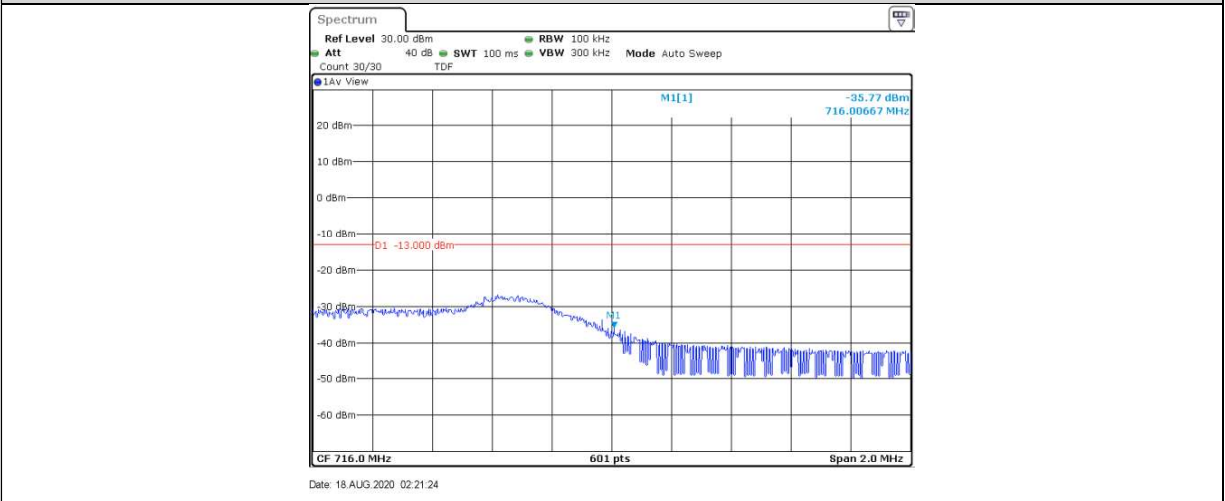
Band12-5MHz-16QAM-23035-1RB#24



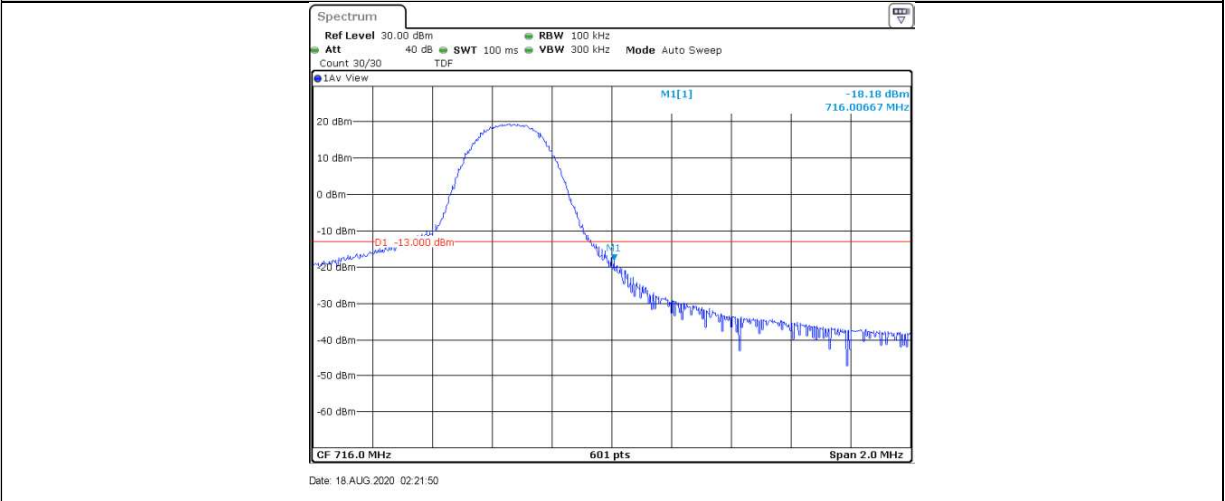
Band12-5MHz-16QAM-23035-25RB#0



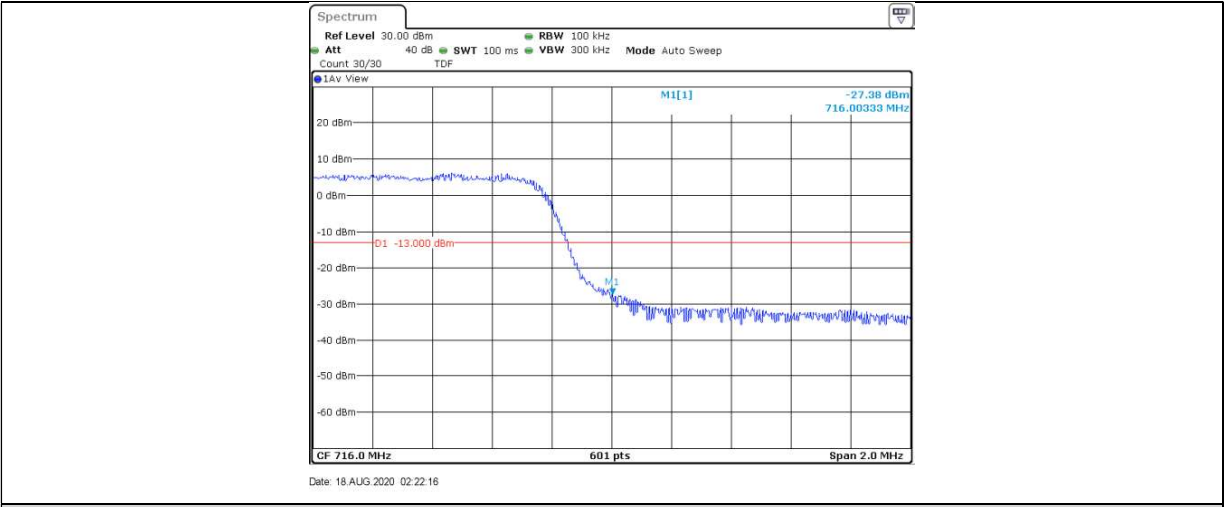
Band12-5MHz-16QAM-23155-1RB#0



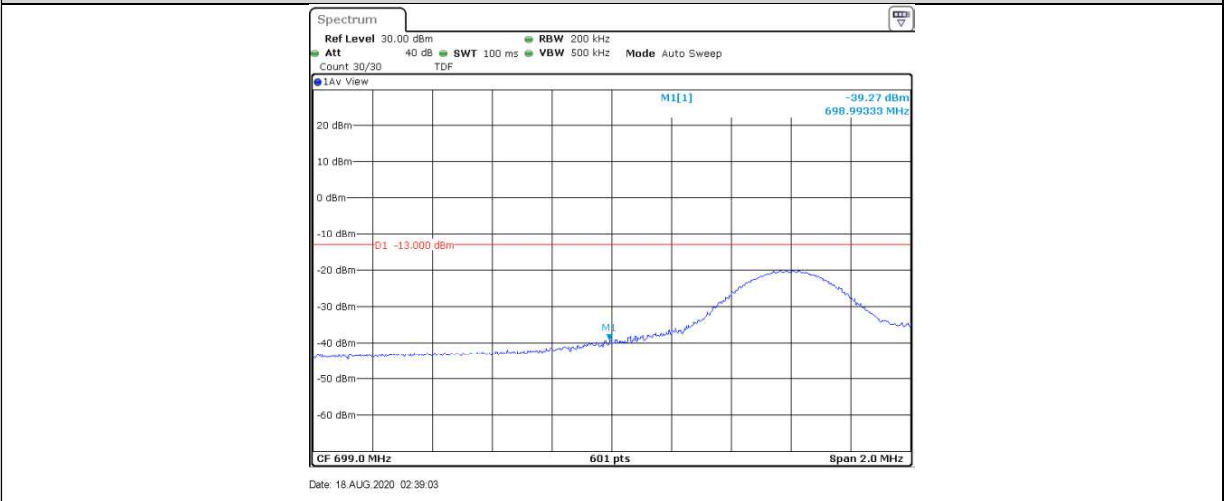
Band12-5MHz-16QAM-23155-1RB#24



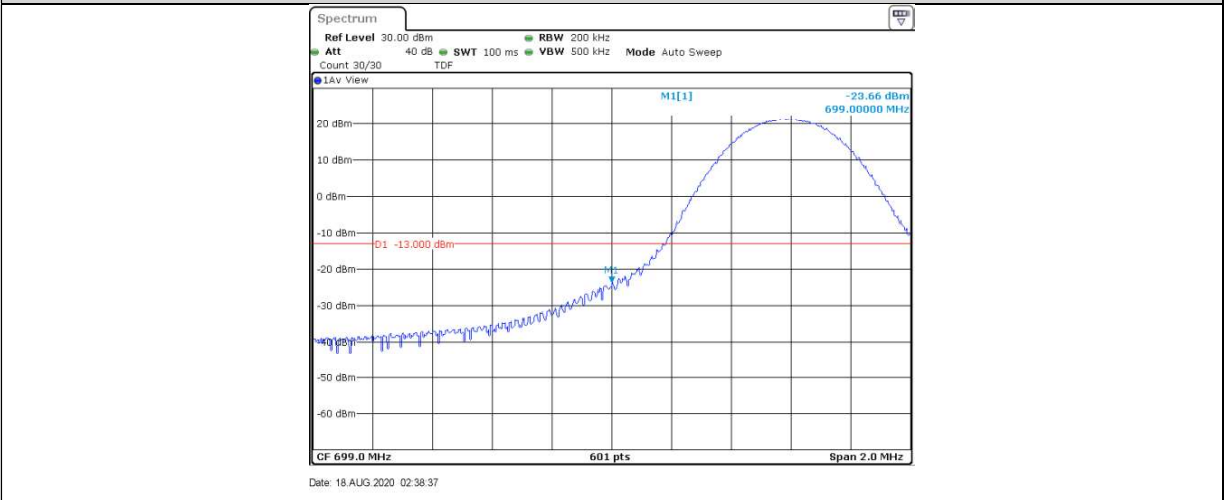
Band12-5MHz-16QAM-23155-25RB#0



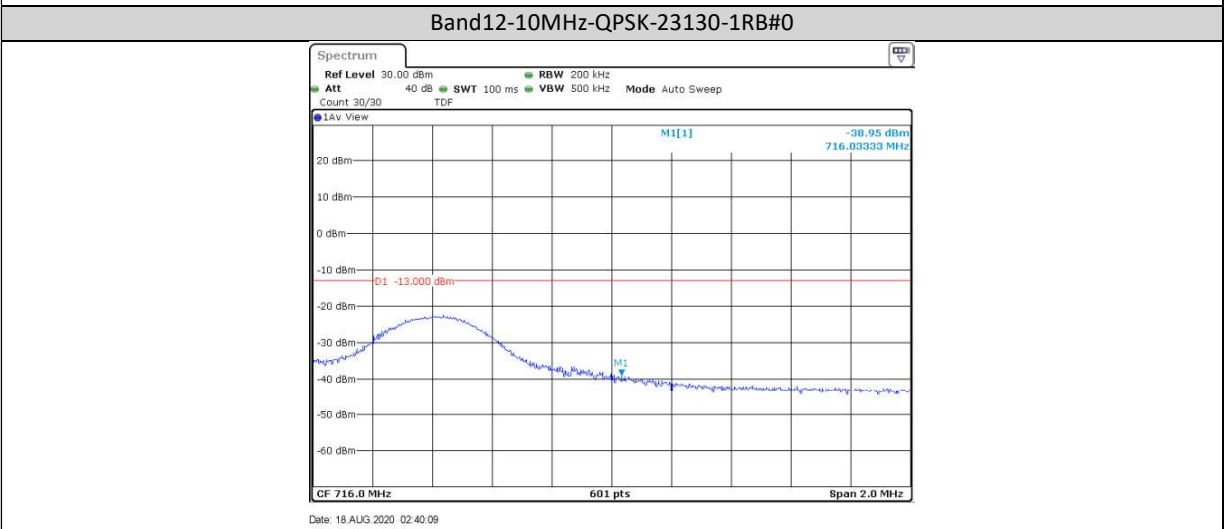
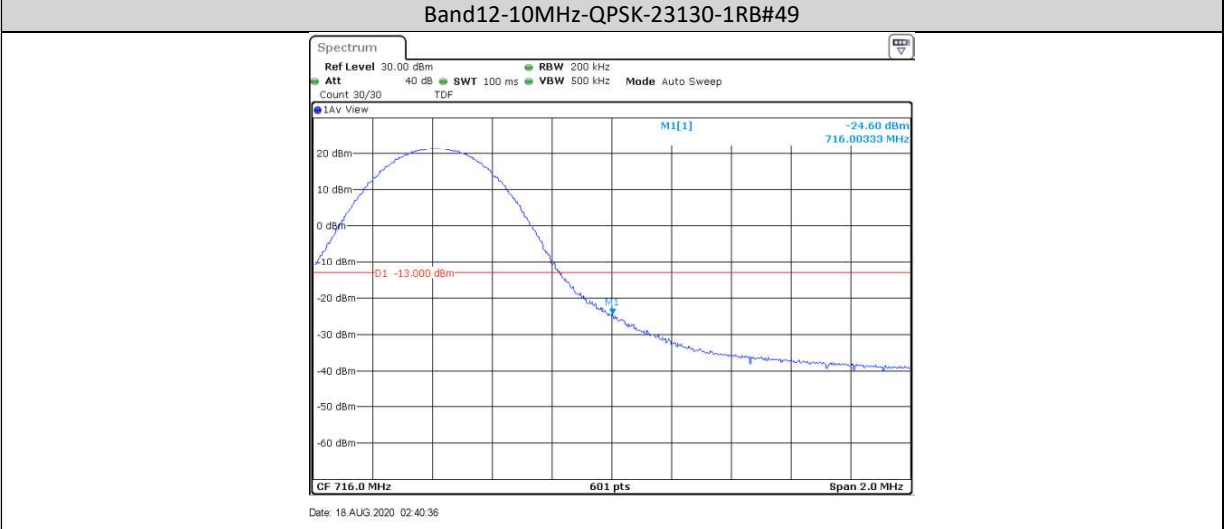
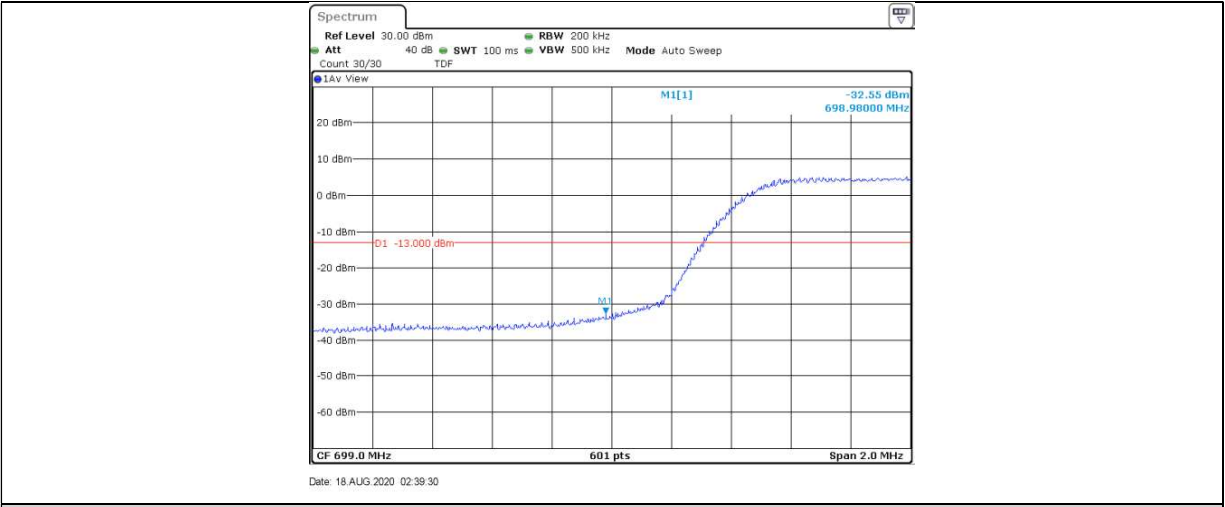
Band12-10MHz-QPSK-23060-1RB#49

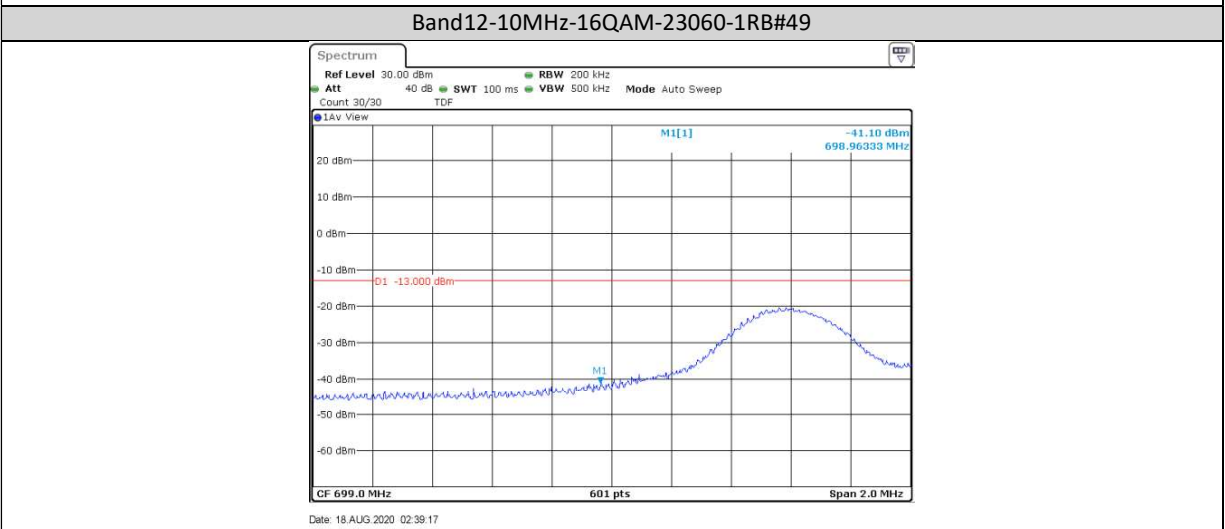
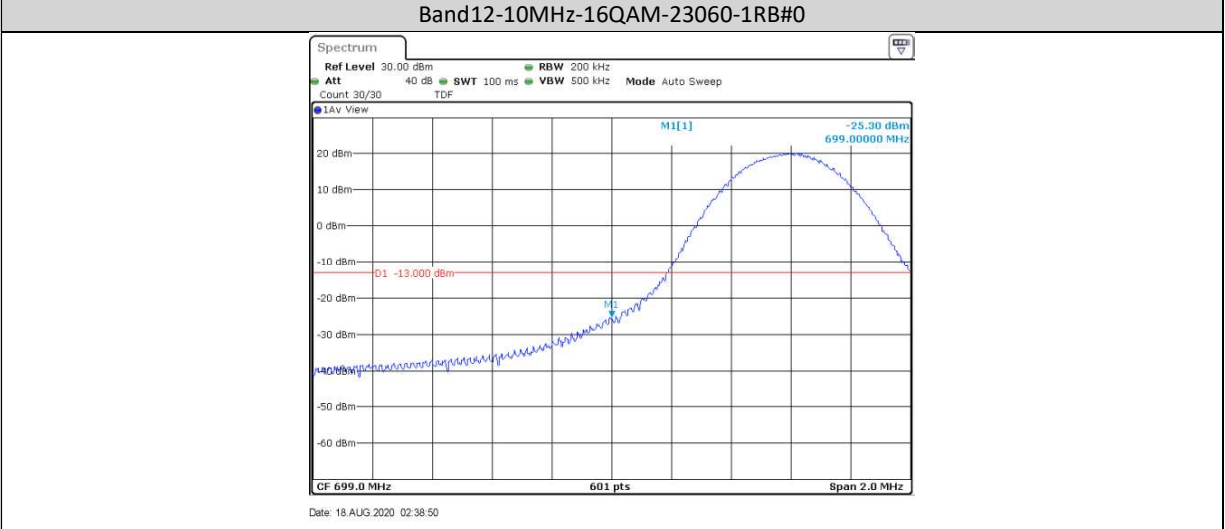


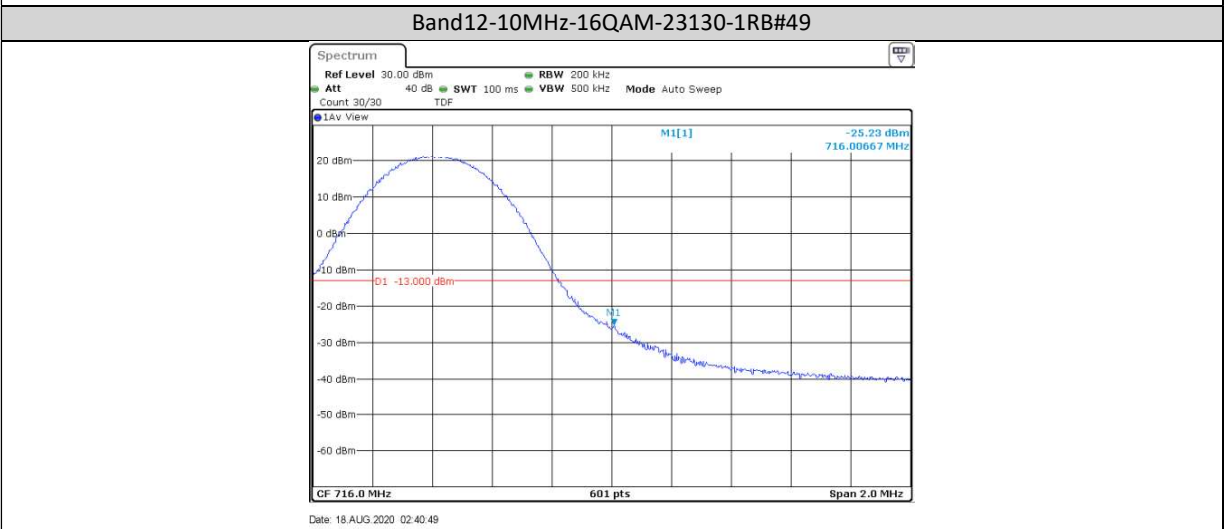
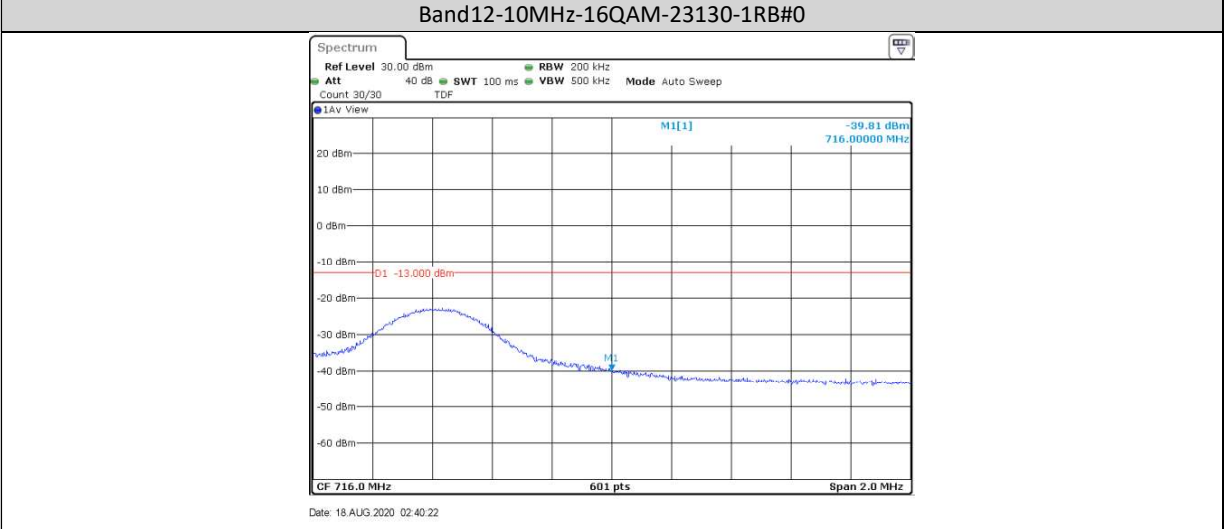
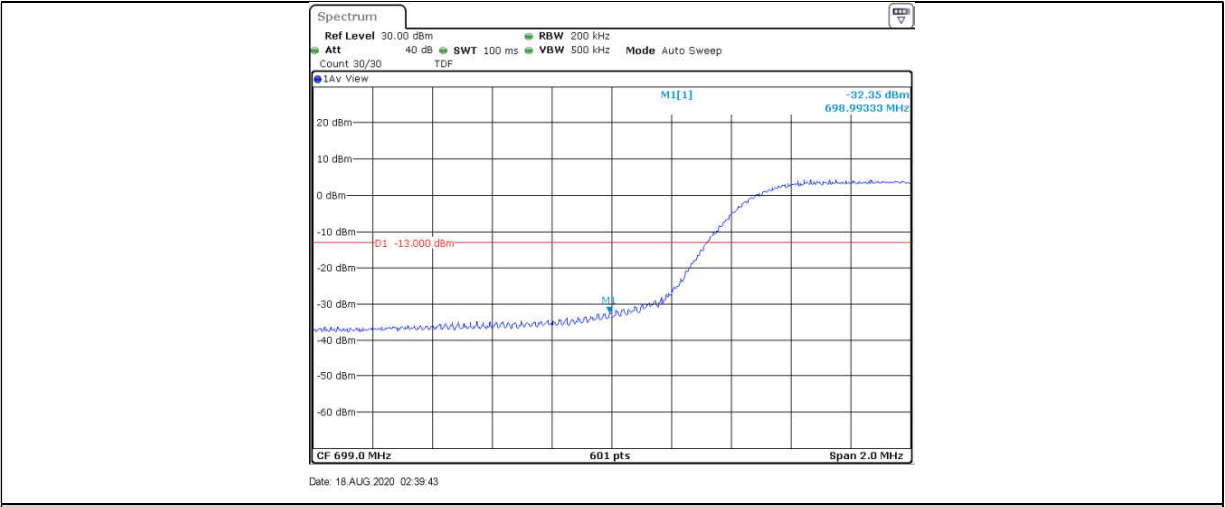
Band12-10MHz-QPSK-23060-1RB#0



Band12-10MHz-QPSK-23060-50RB#0









Appendix F: Spurious Emission at Antenna Terminals

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	Range1:0.009~0.15MHz	-49.6	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range2:0.15~30MHz	-50.26	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range3:30~1000MHz	-28.74	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range4:1000~5000MHz	-25.43	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range5:5000~12000MHz	-45.13	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range6:12000~26500MHz	-61.39	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range1:0.009~0.15MHz	-49.17	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range2:0.15~30MHz	-52.13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range3:30~1000MHz	-28.73	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range4:1000~5000MHz	-24.35	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range5:5000~12000MHz	-46.02	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range6:12000~26500MHz	-61.31	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range1:0.009~0.15MHz	-48.18	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range2:0.15~30MHz	-50.42	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range3:30~1000MHz	-28.75	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range4:1000~5000MHz	-24.39	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range5:5000~12000MHz	-44.47	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range6:12000~26500MHz	-61.32	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range1:0.009~0.15MHz	-47.72	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range2:0.15~30MHz	-49.21	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range3:30~1000MHz	-28.39	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range4:1000~5000MHz	-25.59	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range5:5000~12000MHz	-45.83	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range6:12000~26500MHz	-61.39	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range1:0.009~0.15MHz	-49.09	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range2:0.15~30MHz	-51.54	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range3:30~1000MHz	-27.73	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range4:1000~5000MHz	-25.09	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range5:5000~12000MHz	-45.95	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range6:12000~26500MHz	-61.27	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range1:0.009~0.15MHz	-46.64	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range2:0.15~30MHz	-50.57	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range3:30~1000MHz	-28.56	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range4:1000~5000MHz	-24.67	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range5:5000~12000MHz	-44.84	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range6:12000~26500MHz	-61.36	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range1:0.009~0.15MHz	-49.26	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range2:0.15~30MHz	-50.38	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range3:30~1000MHz	-28.86	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range4:1000~5000MHz	-25.51	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range5:5000~12000MHz	-45.38	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range6:12000~26500MHz	-61.34	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range1:0.009~0.15MHz	-49.1	PASS