

Appendix Q: Test Results of LTE Band 41 operation

Contents

1. EFFECTIVE (ISOTROPIC) RADIATED POWER OUTPUT DATA	2
1.1 Test Result.....	2
2. PEAK-TO-AVERAGE RATIO (CCDF)	7
2.1 Test Result.....	7
2.2 Test Graphs.....	8
3. 26DB BANDWIDTH AND OCCUPIED BANDWIDTH.....	10
3.1 Test Result.....	10
3.2 Test Graphs.....	11
4. BAND EDGE.....	19
4.1 Test Result.....	19
4.2 Test Graphs.....	21
5. CONDUCTED SPURIOUS EMISSION.....	32
5.1 Test Result.....	32
5.2 Test Graphs.....	33
6. FREQUENCY STABILITY	39
6.1 Test Result.....	39

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	22.63	PASS
Band41	5MHz	QPSK	39675	1RB#12	22.68	PASS
Band41	5MHz	QPSK	39675	1RB#24	22.60	PASS
Band41	5MHz	QPSK	39675	12RB#0	21.61	PASS
Band41	5MHz	QPSK	39675	12RB#6	21.61	PASS
Band41	5MHz	QPSK	39675	12RB#13	21.63	PASS
Band41	5MHz	QPSK	39675	25RB#0	21.61	PASS
Band41	5MHz	QPSK	40620	1RB#0	23.40	PASS
Band41	5MHz	QPSK	40620	1RB#24	23.38	PASS
Band41	5MHz	QPSK	40620	1RB#12	23.47	PASS
Band41	5MHz	QPSK	40620	12RB#0	22.42	PASS
Band41	5MHz	QPSK	40620	12RB#6	22.34	PASS
Band41	5MHz	QPSK	40620	12RB#13	22.38	PASS
Band41	5MHz	QPSK	40620	25RB#0	22.35	PASS
Band41	5MHz	QPSK	41565	1RB#24	24.19	PASS
Band41	5MHz	QPSK	41565	1RB#0	24.16	PASS
Band41	5MHz	QPSK	41565	1RB#12	24.25	PASS
Band41	5MHz	QPSK	41565	12RB#0	23.08	PASS
Band41	5MHz	QPSK	41565	12RB#6	23.08	PASS
Band41	5MHz	QPSK	41565	12RB#13	23.15	PASS
Band41	5MHz	QPSK	41565	25RB#0	23.10	PASS
Band41	5MHz	16QAM	39675	1RB#0	21.61	PASS
Band41	5MHz	16QAM	39675	1RB#12	21.68	PASS
Band41	5MHz	16QAM	39675	1RB#24	21.57	PASS
Band41	5MHz	16QAM	39675	12RB#6	20.59	PASS
Band41	5MHz	16QAM	39675	12RB#0	20.66	PASS
Band41	5MHz	16QAM	39675	12RB#13	20.66	PASS
Band41	5MHz	16QAM	39675	25RB#0	20.64	PASS
Band41	5MHz	16QAM	40620	1RB#0	22.44	PASS
Band41	5MHz	16QAM	40620	1RB#12	22.60	PASS
Band41	5MHz	16QAM	40620	1RB#24	22.47	PASS
Band41	5MHz	16QAM	40620	12RB#13	21.50	PASS

Band41	5MHz	16QAM	40620	12RB#0	21.47	PASS
Band41	5MHz	16QAM	40620	12RB#6	21.45	PASS
Band41	5MHz	16QAM	40620	25RB#0	21.42	PASS
Band41	5MHz	16QAM	41565	1RB#12	23.15	PASS
Band41	5MHz	16QAM	41565	1RB#0	23.06	PASS
Band41	5MHz	16QAM	41565	1RB#24	23.08	PASS
Band41	5MHz	16QAM	41565	12RB#0	22.10	PASS
Band41	5MHz	16QAM	41565	12RB#6	22.06	PASS
Band41	5MHz	16QAM	41565	12RB#13	22.12	PASS
Band41	5MHz	16QAM	41565	25RB#0	22.09	PASS
Band41	10MHz	QPSK	39700	1RB#24	22.52	PASS
Band41	10MHz	QPSK	39700	1RB#49	22.64	PASS
Band41	10MHz	QPSK	39700	1RB#0	22.53	PASS
Band41	10MHz	QPSK	39700	25RB#0	21.59	PASS
Band41	10MHz	QPSK	39700	25RB#12	21.58	PASS
Band41	10MHz	QPSK	39700	25RB#25	21.63	PASS
Band41	10MHz	QPSK	39700	50RB#0	21.71	PASS
Band41	10MHz	QPSK	40620	1RB#0	23.44	PASS
Band41	10MHz	QPSK	40620	1RB#49	23.58	PASS
Band41	10MHz	QPSK	40620	1RB#24	23.38	PASS
Band41	10MHz	QPSK	40620	25RB#25	22.48	PASS
Band41	10MHz	QPSK	40620	25RB#0	22.40	PASS
Band41	10MHz	QPSK	40620	25RB#12	22.37	PASS
Band41	10MHz	QPSK	40620	50RB#0	22.48	PASS
Band41	10MHz	QPSK	41540	1RB#24	24.08	PASS
Band41	10MHz	QPSK	41540	1RB#0	24.72	PASS
Band41	10MHz	QPSK	41540	1RB#49	24.73	PASS
Band41	10MHz	QPSK	41540	25RB#0	23.32	PASS
Band41	10MHz	QPSK	41540	25RB#25	23.31	PASS
Band41	10MHz	QPSK	41540	25RB#12	23.33	PASS
Band41	10MHz	QPSK	41540	50RB#0	23.31	PASS
Band41	10MHz	16QAM	39700	1RB#49	21.72	PASS
Band41	10MHz	16QAM	39700	1RB#0	21.64	PASS
Band41	10MHz	16QAM	39700	1RB#24	21.58	PASS
Band41	10MHz	16QAM	39700	25RB#25	20.71	PASS
Band41	10MHz	16QAM	39700	25RB#12	20.60	PASS
Band41	10MHz	16QAM	39700	25RB#0	20.60	PASS

Band41	10MHz	16QAM	39700	50RB#0	20.73	PASS
Band41	10MHz	16QAM	40620	1RB#49	22.39	PASS
Band41	10MHz	16QAM	40620	1RB#0	22.25	PASS
Band41	10MHz	16QAM	40620	1RB#24	22.26	PASS
Band41	10MHz	16QAM	40620	25RB#25	21.56	PASS
Band41	10MHz	16QAM	40620	25RB#0	21.43	PASS
Band41	10MHz	16QAM	40620	25RB#12	21.43	PASS
Band41	10MHz	16QAM	40620	50RB#0	21.56	PASS
Band41	10MHz	16QAM	41540	1RB#24	23.07	PASS
Band41	10MHz	16QAM	41540	1RB#0	23.63	PASS
Band41	10MHz	16QAM	41540	1RB#49	23.62	PASS
Band41	10MHz	16QAM	41540	25RB#0	22.29	PASS
Band41	10MHz	16QAM	41540	25RB#12	22.27	PASS
Band41	10MHz	16QAM	41540	25RB#25	22.30	PASS
Band41	10MHz	16QAM	41540	50RB#0	22.33	PASS
Band41	15MHz	QPSK	39725	1RB#0	22.54	PASS
Band41	15MHz	QPSK	39725	1RB#38	22.47	PASS
Band41	15MHz	QPSK	39725	1RB#74	22.62	PASS
Band41	15MHz	QPSK	39725	36RB#0	21.60	PASS
Band41	15MHz	QPSK	39725	36RB#18	21.59	PASS
Band41	15MHz	QPSK	39725	36RB#39	21.66	PASS
Band41	15MHz	QPSK	39725	75RB#0	21.66	PASS
Band41	15MHz	QPSK	40620	1RB#0	23.27	PASS
Band41	15MHz	QPSK	40620	1RB#74	23.44	PASS
Band41	15MHz	QPSK	40620	1RB#38	23.35	PASS
Band41	15MHz	QPSK	40620	36RB#0	22.44	PASS
Band41	15MHz	QPSK	40620	36RB#18	22.40	PASS
Band41	15MHz	QPSK	40620	36RB#39	22.55	PASS
Band41	15MHz	QPSK	40620	75RB#0	22.51	PASS
Band41	15MHz	QPSK	41515	1RB#74	24.10	PASS
Band41	15MHz	QPSK	41515	1RB#0	24.04	PASS
Band41	15MHz	QPSK	41515	1RB#38	24.13	PASS
Band41	15MHz	QPSK	41515	36RB#0	23.13	PASS
Band41	15MHz	QPSK	41515	36RB#18	23.12	PASS
Band41	15MHz	QPSK	41515	36RB#39	23.22	PASS
Band41	15MHz	QPSK	41515	75RB#0	23.12	PASS
Band41	15MHz	16QAM	39725	1RB#0	21.64	PASS

Band41	15MHz	16QAM	39725	1RB#38	21.58	PASS
Band41	15MHz	16QAM	39725	1RB#74	21.71	PASS
Band41	15MHz	16QAM	39725	36RB#18	20.63	PASS
Band41	15MHz	16QAM	39725	36RB#0	20.63	PASS
Band41	15MHz	16QAM	39725	36RB#39	20.74	PASS
Band41	15MHz	16QAM	39725	75RB#0	20.72	PASS
Band41	15MHz	16QAM	40620	1RB#0	22.44	PASS
Band41	15MHz	16QAM	40620	1RB#38	22.54	PASS
Band41	15MHz	16QAM	40620	1RB#74	22.58	PASS
Band41	15MHz	16QAM	40620	36RB#39	21.65	PASS
Band41	15MHz	16QAM	40620	36RB#0	21.56	PASS
Band41	15MHz	16QAM	40620	36RB#18	21.54	PASS
Band41	15MHz	16QAM	40620	75RB#0	21.65	PASS
Band41	15MHz	16QAM	41515	1RB#38	23.06	PASS
Band41	15MHz	16QAM	41515	1RB#0	22.98	PASS
Band41	15MHz	16QAM	41515	1RB#74	23.09	PASS
Band41	15MHz	16QAM	41515	36RB#0	22.19	PASS
Band41	15MHz	16QAM	41515	36RB#18	22.17	PASS
Band41	15MHz	16QAM	41515	36RB#39	22.26	PASS
Band41	15MHz	16QAM	41515	75RB#0	22.16	PASS
Band41	20MHz	QPSK	39750	1RB#99	22.68	PASS
Band41	20MHz	QPSK	39750	1RB#49	22.54	PASS
Band41	20MHz	QPSK	39750	1RB#0	22.55	PASS
Band41	20MHz	QPSK	39750	50RB#0	21.63	PASS
Band41	20MHz	QPSK	39750	50RB#25	21.65	PASS
Band41	20MHz	QPSK	39750	50RB#50	21.69	PASS
Band41	20MHz	QPSK	39750	100RB#0	21.63	PASS
Band41	20MHz	QPSK	40620	1RB#0	23.31	PASS
Band41	20MHz	QPSK	40620	1RB#99	23.50	PASS
Band41	20MHz	QPSK	40620	1RB#49	23.48	PASS
Band41	20MHz	QPSK	40620	50RB#50	22.52	PASS
Band41	20MHz	QPSK	40620	50RB#0	22.40	PASS
Band41	20MHz	QPSK	40620	50RB#25	22.41	PASS
Band41	20MHz	QPSK	40620	100RB#0	22.50	PASS
Band41	20MHz	QPSK	41490	1RB#49	24.10	PASS
Band41	20MHz	QPSK	41490	1RB#0	26.07	FAIL
Band41	20MHz	QPSK	41490	1RB#99	26.19	FAIL

Band41	20MHz	QPSK	41490	50RB#0	23.26	PASS
Band41	20MHz	QPSK	41490	50RB#50	23.18	PASS
Band41	20MHz	QPSK	41490	50RB#25	23.24	PASS
Band41	20MHz	QPSK	41490	100RB#0	23.22	PASS
Band41	20MHz	16QAM	39750	1RB#99	21.62	PASS
Band41	20MHz	16QAM	39750	1RB#0	21.47	PASS
Band41	20MHz	16QAM	39750	1RB#49	21.54	PASS
Band41	20MHz	16QAM	39750	50RB#50	20.80	PASS
Band41	20MHz	16QAM	39750	50RB#25	20.70	PASS
Band41	20MHz	16QAM	39750	50RB#0	20.70	PASS
Band41	20MHz	16QAM	39750	100RB#0	20.70	PASS
Band41	20MHz	16QAM	40620	1RB#99	22.63	PASS
Band41	20MHz	16QAM	40620	1RB#0	22.42	PASS
Band41	20MHz	16QAM	40620	1RB#49	22.60	PASS
Band41	20MHz	16QAM	40620	50RB#50	21.60	PASS
Band41	20MHz	16QAM	40620	50RB#0	21.50	PASS
Band41	20MHz	16QAM	40620	50RB#25	21.46	PASS
Band41	20MHz	16QAM	40620	100RB#0	21.57	PASS
Band41	20MHz	16QAM	41490	1RB#49	22.95	PASS
Band41	20MHz	16QAM	41490	1RB#0	24.74	PASS
Band41	20MHz	16QAM	41490	1RB#99	24.81	PASS
Band41	20MHz	16QAM	41490	50RB#0	22.28	PASS
Band41	20MHz	16QAM	41490	50RB#25	22.32	PASS
Band41	20MHz	16QAM	41490	50RB#50	22.23	PASS
Band41	20MHz	16QAM	41490	100RB#0	22.22	PASS

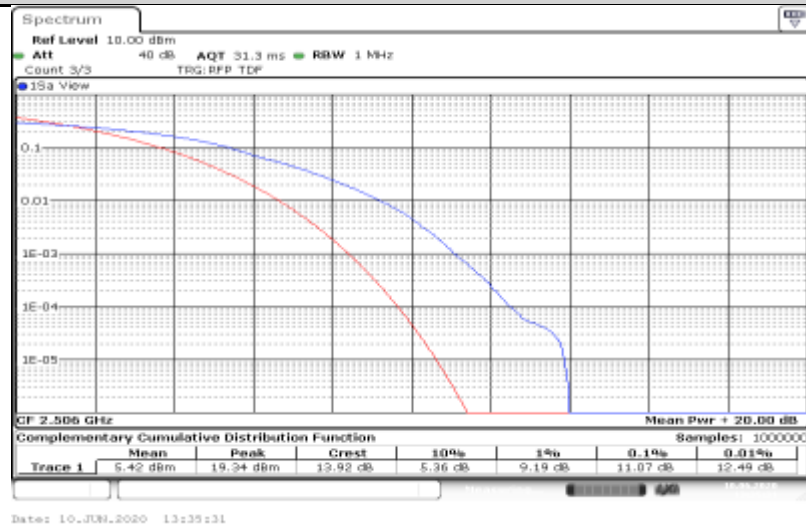
2. Peak-to-Average Ratio (CCDF)

2.1 Test Result

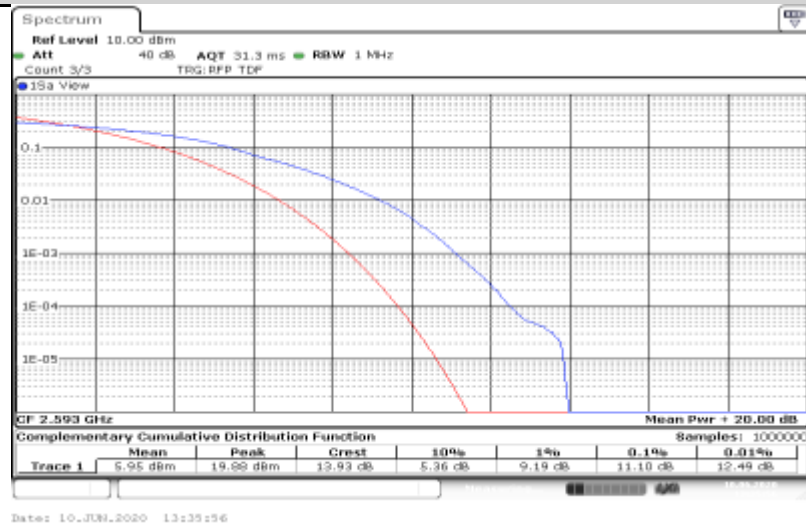
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	20MHz	QPSK	39750	100RB#0	11.07	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	11.10	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	11.42	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	11.33	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	11.48	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	11.33	13	PASS

2.2 Test Graphs

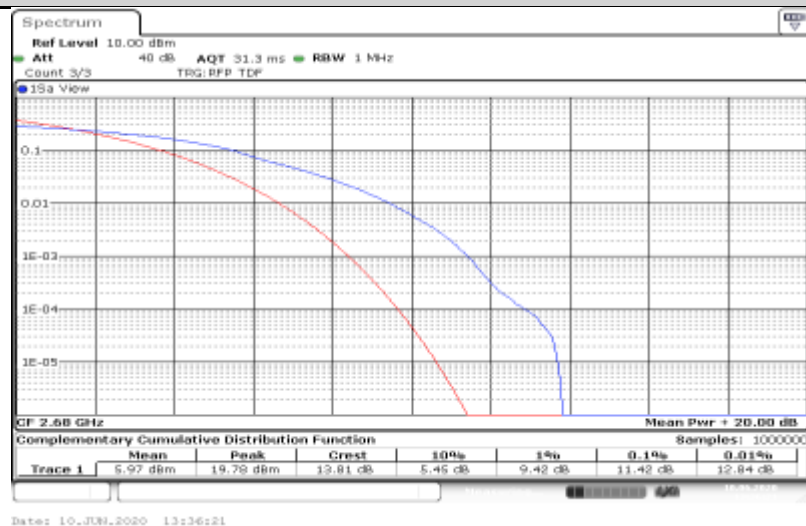
Band41-20MHz-QPSK-39750-100RB#0



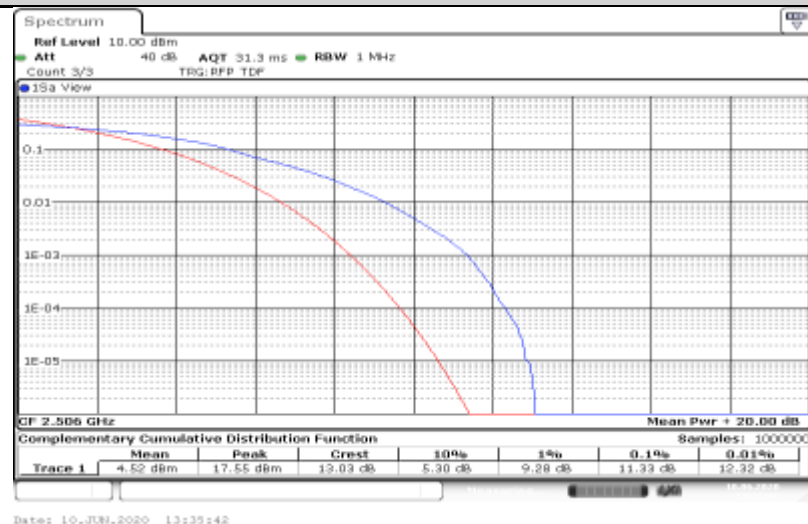
Band41-20MHz-QPSK-40620-100RB#0



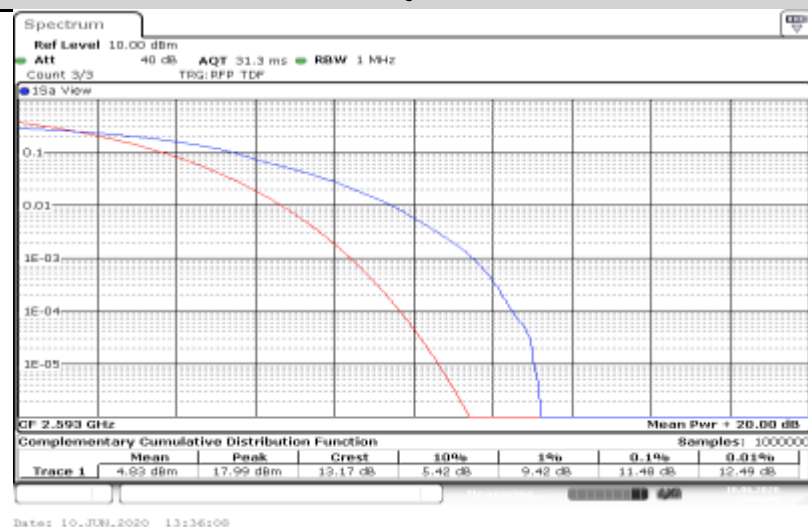
Band41-20MHz-QPSK-41490-100RB#0



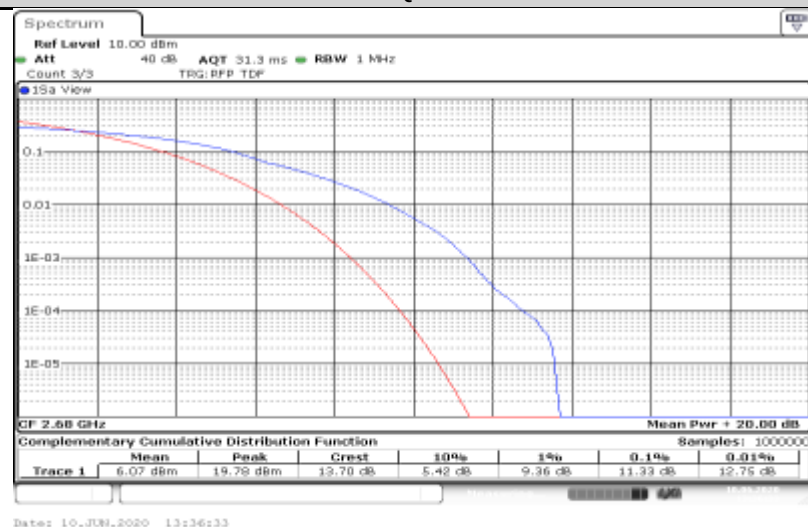
Band41-20MHz-16QAM-39750-100RB#0



Band41-20MHz-16QAM-40620-100RB#0



Band41-20MHz-16QAM-41490-100RB#0

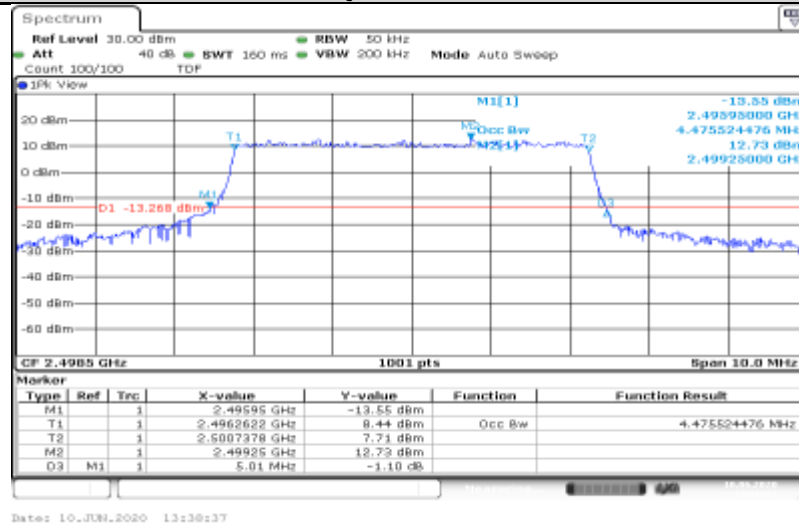
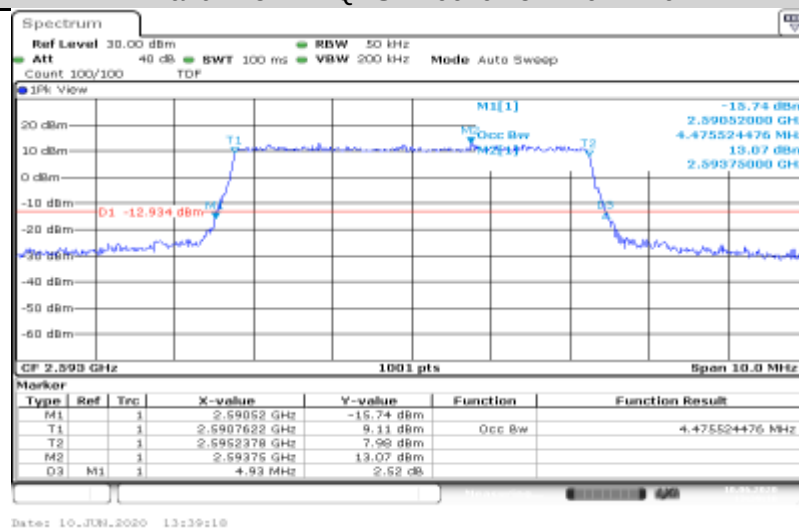
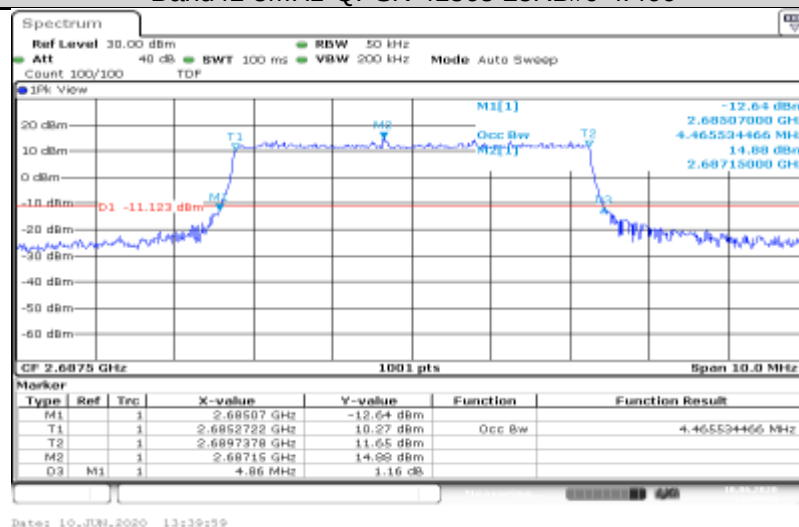


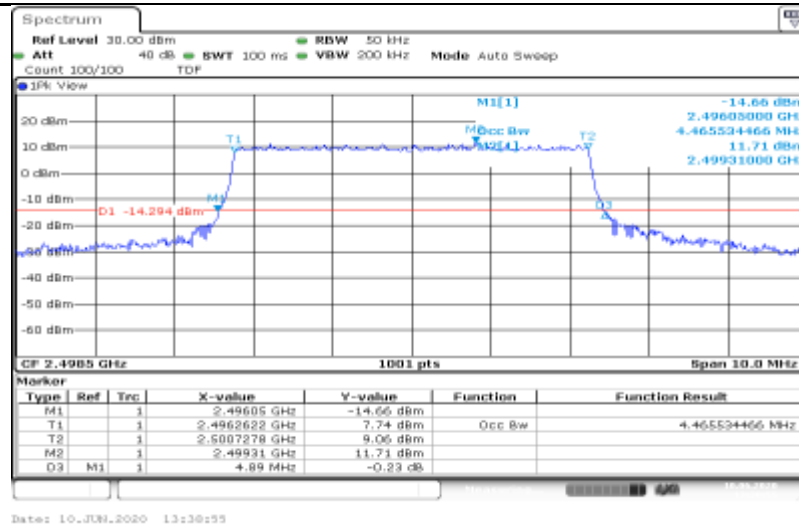
3. 26dB Bandwidth and Occupied Bandwidth

3.1 Test Result

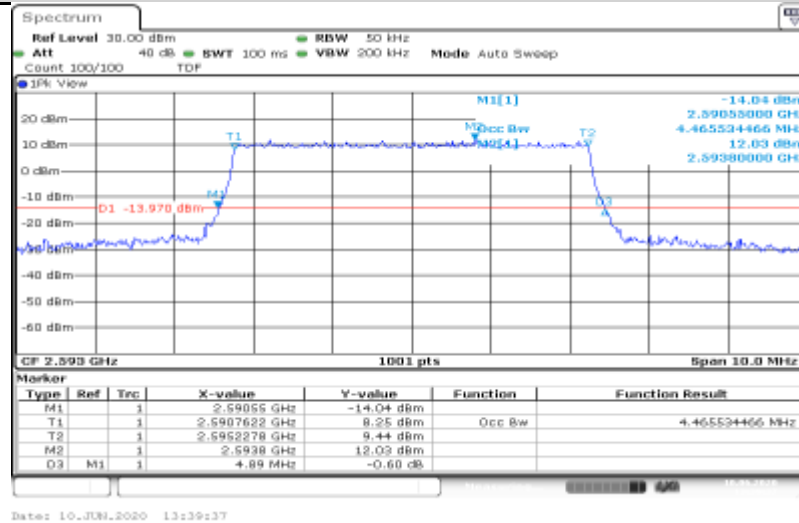
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	4.476	5.010	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.476	4.930	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.466	4.860	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.466	4.890	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.466	4.890	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.476	4.920	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.952	9.700	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.918	9.700	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.918	9.700	PASS
Band41	10MHz	16QAM	39700	50RB#0	8.918	9.567	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.952	9.600	PASS
Band41	10MHz	16QAM	41540	50RB#0	8.918	9.667	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.478	14.850	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.478	14.850	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.478	14.800	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.478	14.800	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.428	14.800	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.478	14.800	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.97	19.267	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.903	19.333	PASS
Band41	20MHz	QPSK	41490	100RB#0	17.837	19.200	PASS
Band41	20MHz	16QAM	39750	100RB#0	17.837	19.333	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.903	19.467	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.837	19.267	PASS

3.2 Test Graphs

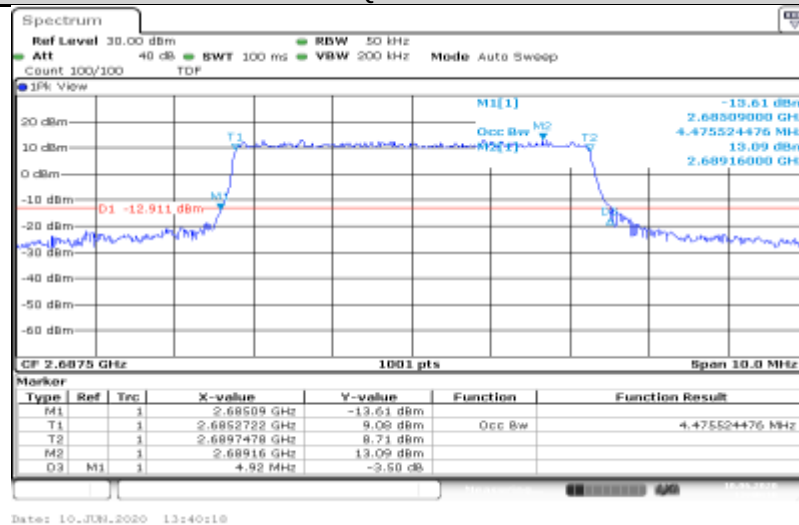
Band41-5MHz-QPSK-39675-25RB#0-4.476

Band41-5MHz-QPSK-40620-25RB#0-4.476

Band41-5MHz-QPSK-41565-25RB#0-4.466

Band41-5MHz-16QAM-39675-25RB#0-4.466



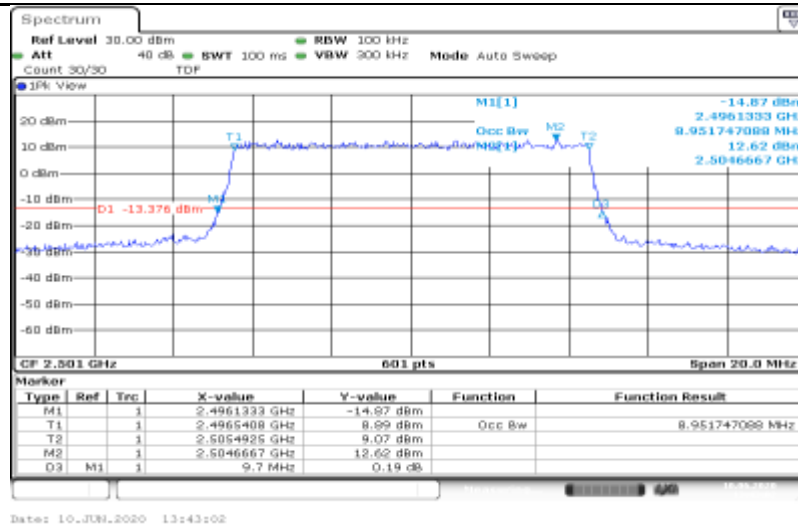
Band41-5MHz-16QAM-40620-25RB#0-4.466



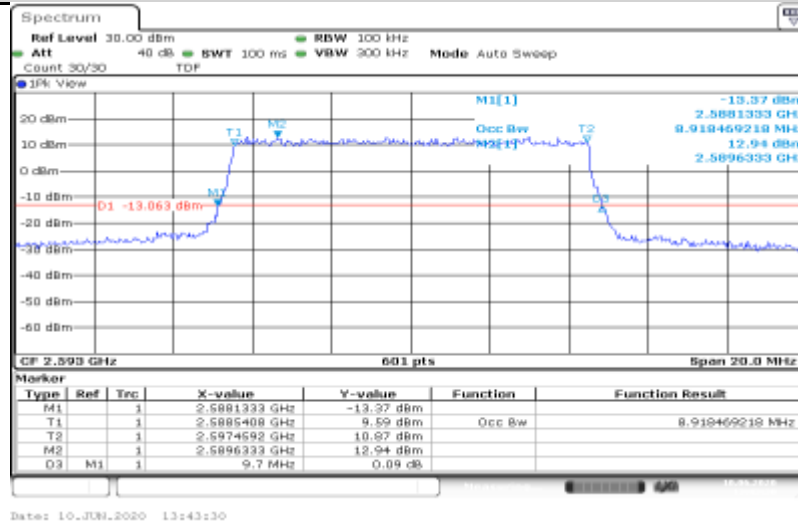
Band41-5MHz-16QAM-41565-25RB#0-4.476



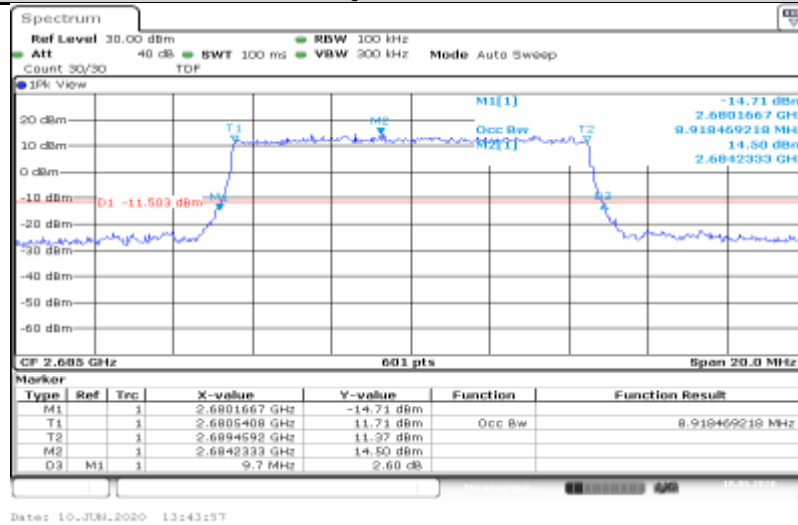
Band41-10MHz-QPSK-39700-50RB#0-8.952



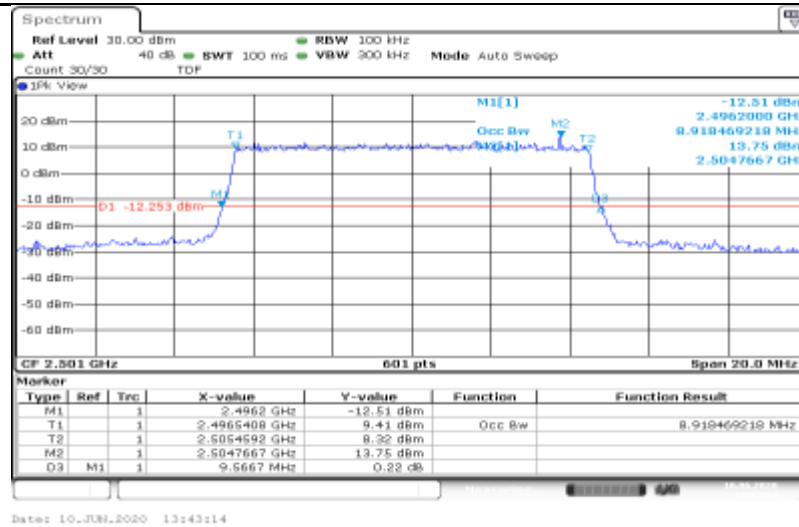
Band41-10MHz-QPSK-40620-50RB#0-8.918



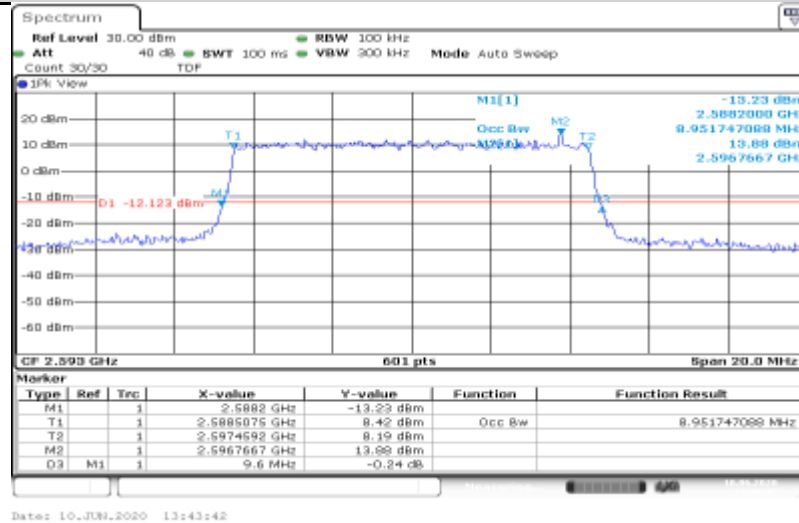
Band41-10MHz-QPSK-41540-50RB#0-8.918



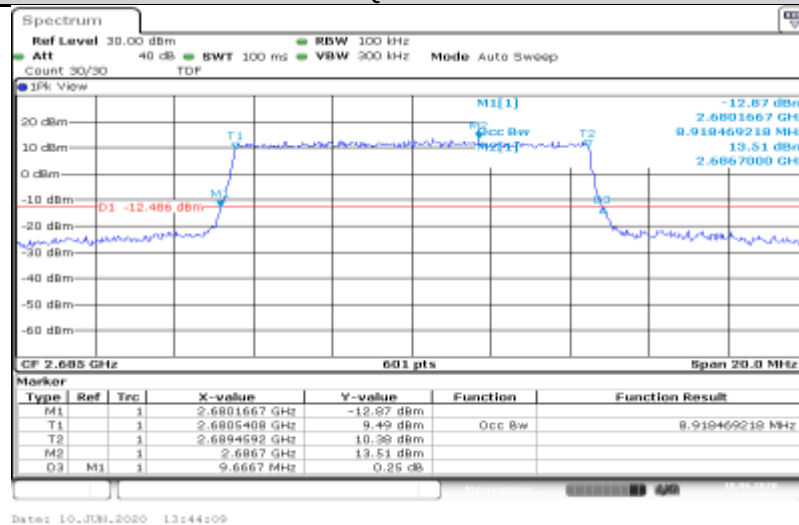
Band41-10MHz-16QAM-39700-50RB#0-8.918



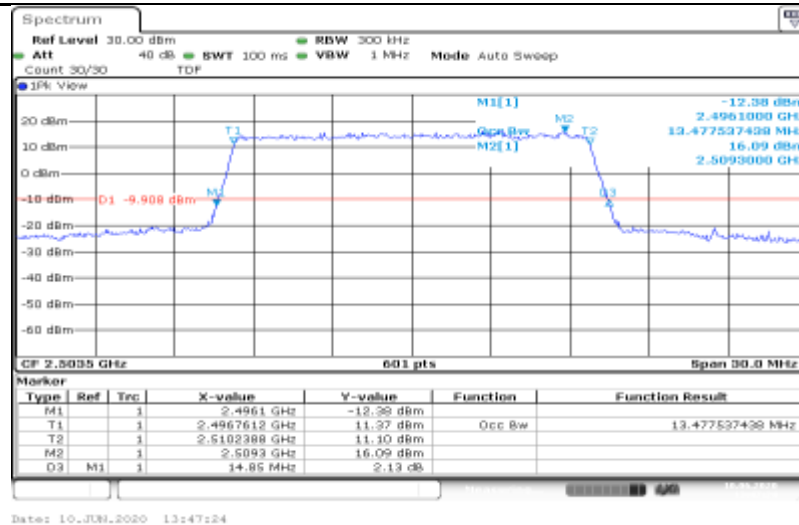
Band41-10MHz-16QAM-40620-50RB#0-8.952



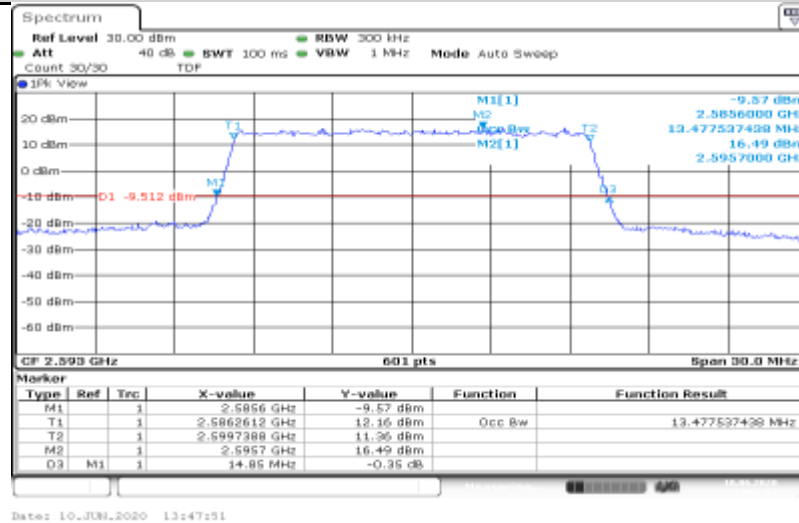
Band41-10MHz-16QAM-41540-50RB#0-8.918



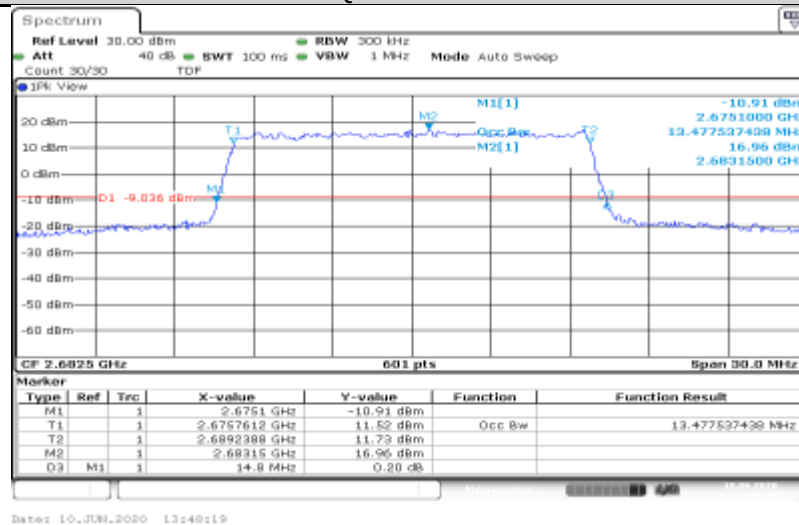
Band41-15MHz-QPSK-39725-75RB#0-13.478



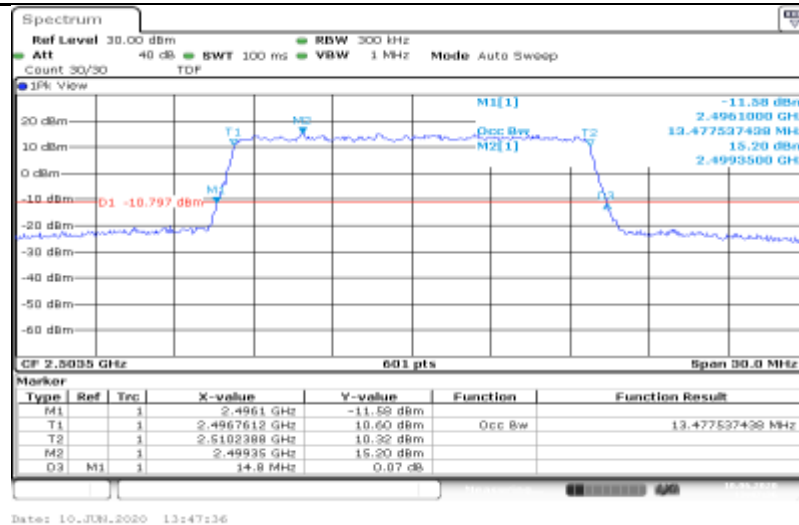
Band41-15MHz-QPSK-40620-75RB#0-13.478



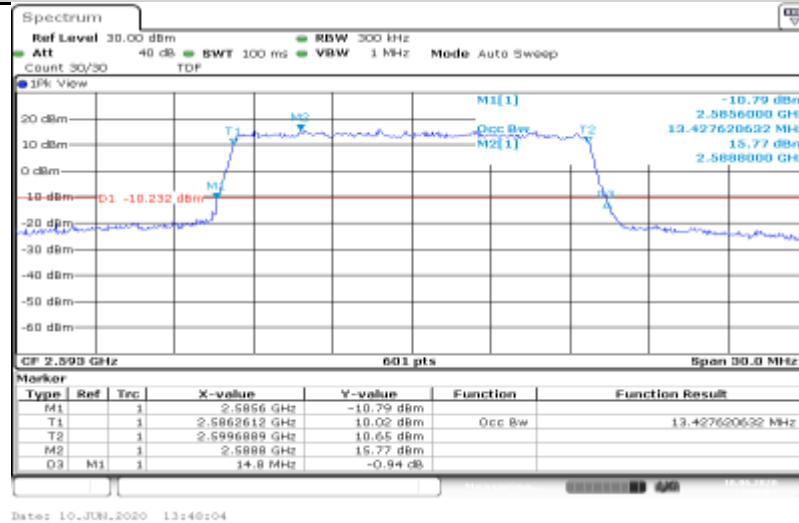
Band41-15MHz-QPSK-41515-75RB#0-13.478



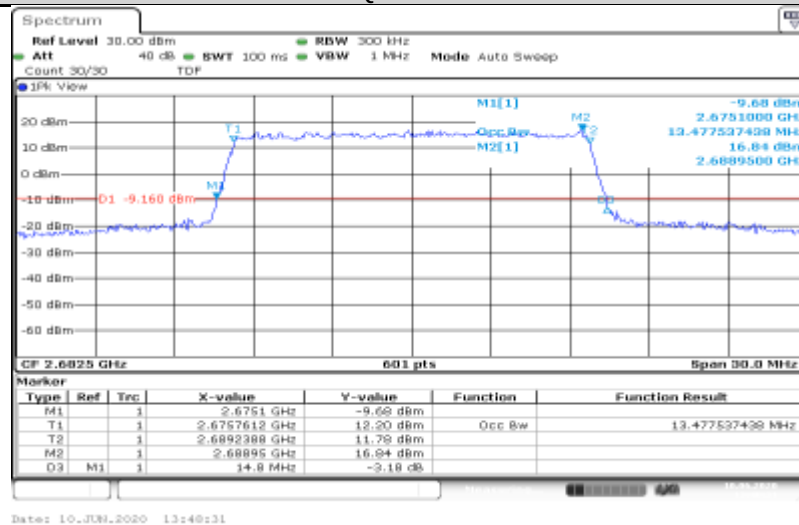
Band41-15MHz-16QAM-39725-75RB#0-13.478



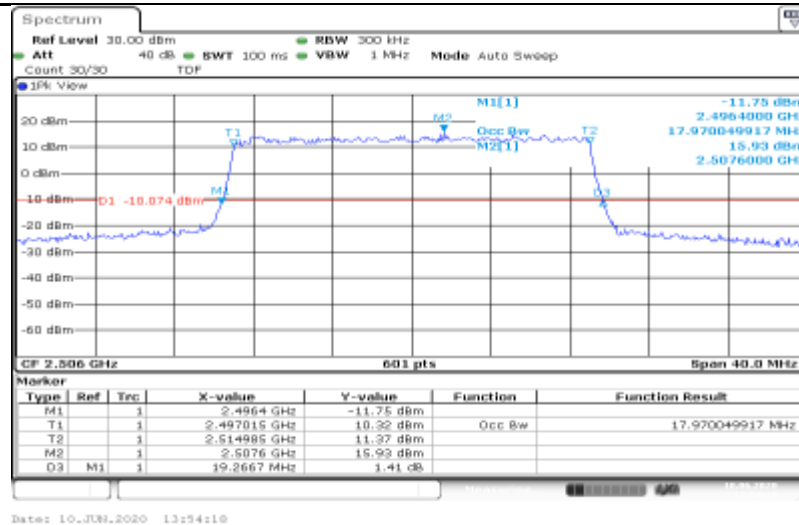
Band41-15MHz-16QAM-40620-75RB#0-13.428



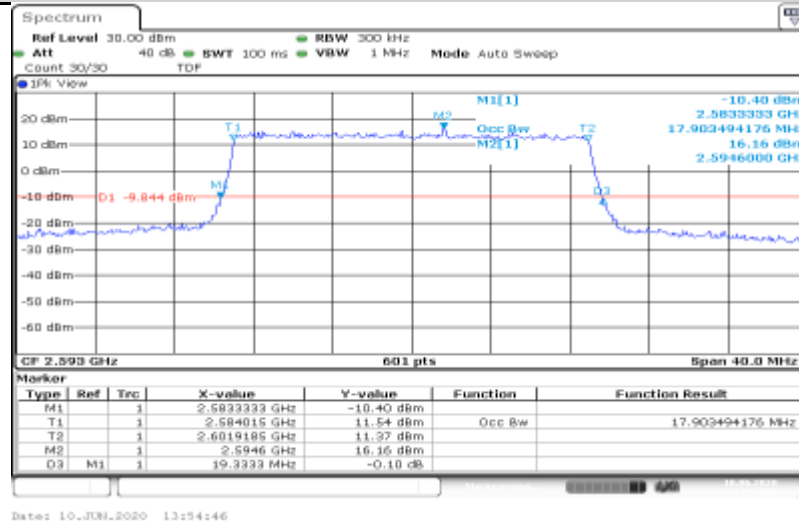
Band41-15MHz-16QAM-41515-75RB#0-13.478



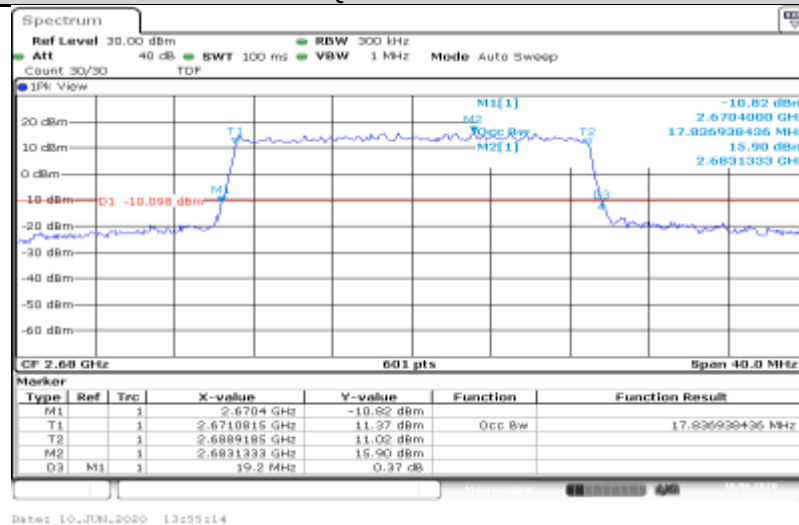
Band41-20MHz-QPSK-39750-100RB#0-17.97



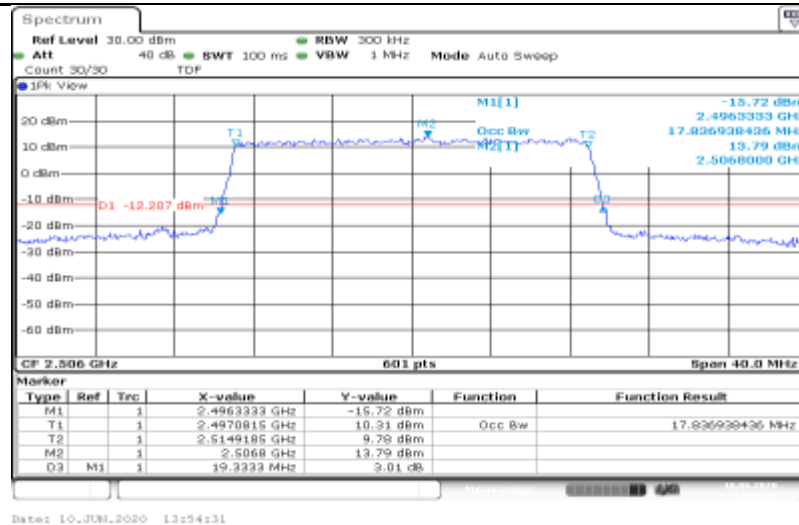
Band41-20MHz-QPSK-40620-100RB#0-17.903



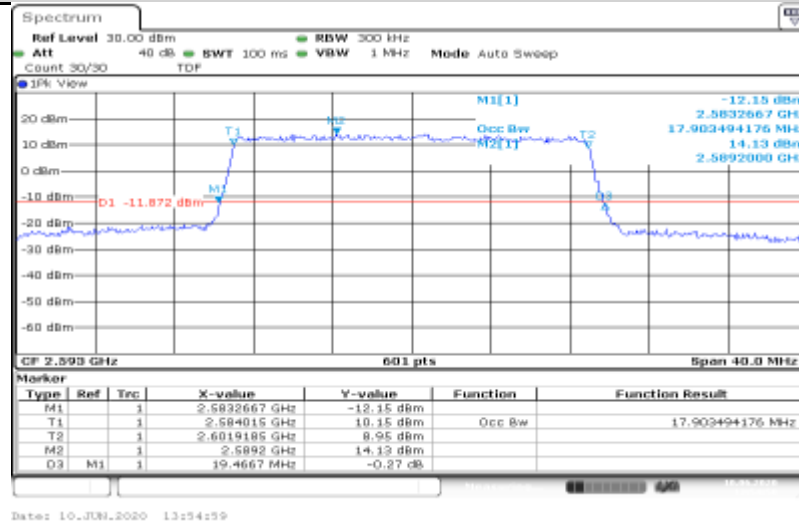
Band41-20MHz-QPSK-41490-100RB#0-17.837



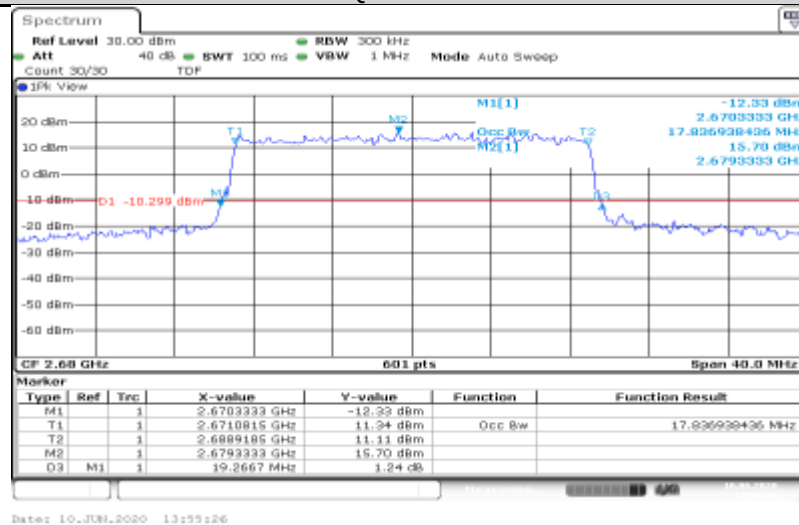
Band41-20MHz-16QAM-39750-100RB#0-17.837



Band41-20MHz-16QAM-40620-100RB#0-17.903



Band41-20MHz-16QAM-41490-100RB#0-17.837



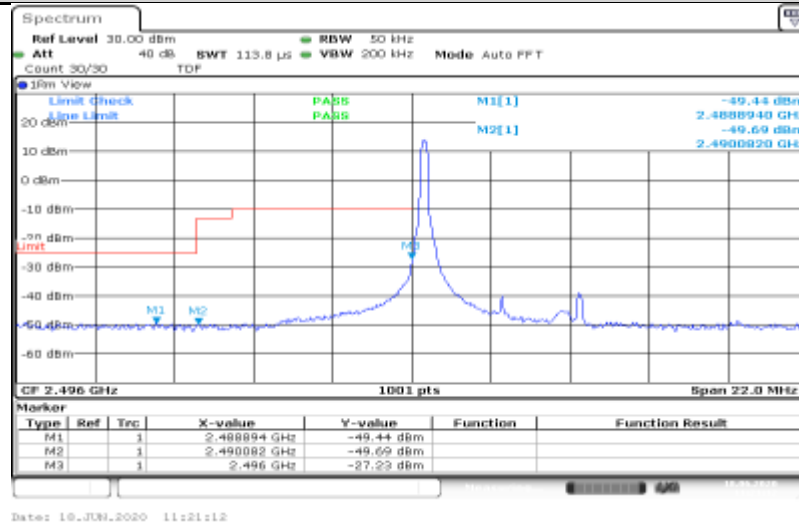
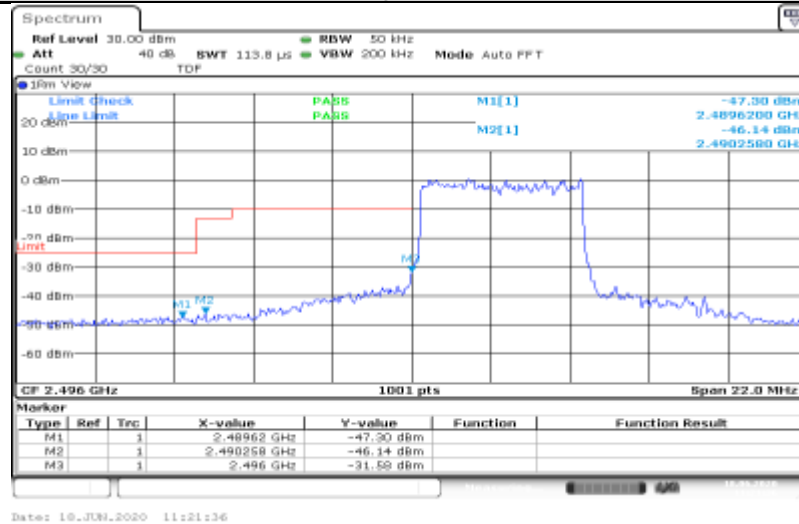
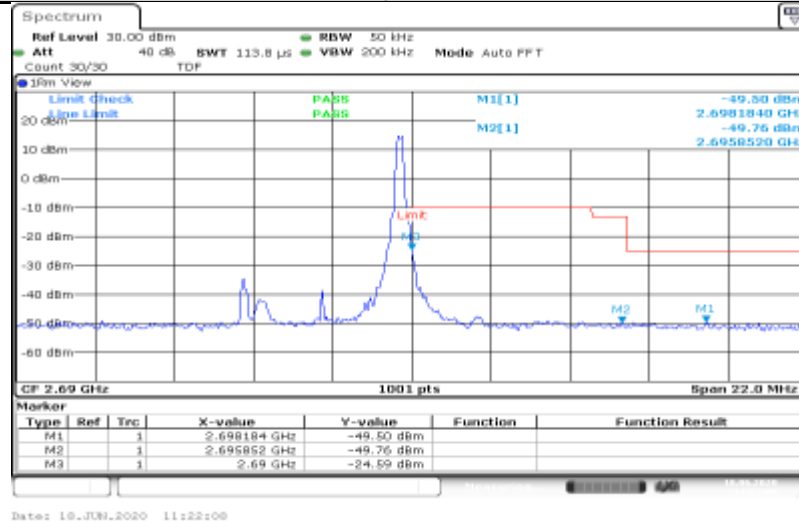
4. Band Edge

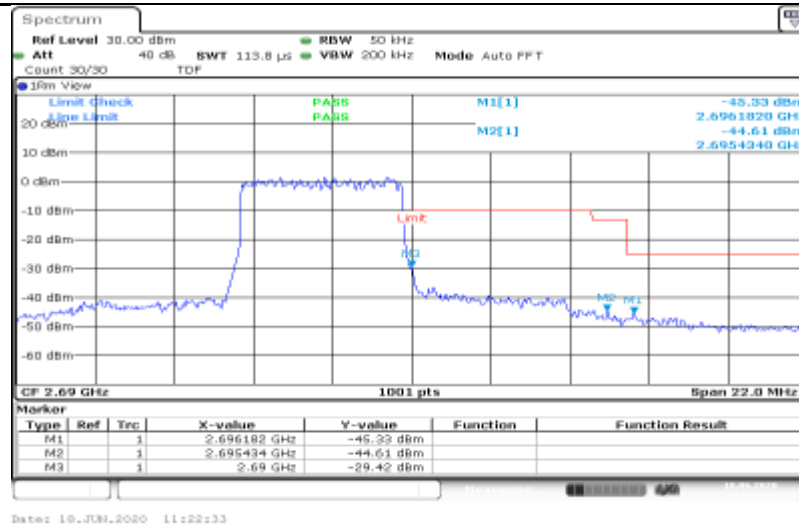
4.1 Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	-49.44,-49.69,-27.23	PASS
Band41	5MHz	QPSK	39675	25RB#0	-47.30,-46.14,-31.58	PASS
Band41	5MHz	QPSK	41565	1RB#24	-49.50,-49.76,-24.59	PASS
Band41	5MHz	QPSK	41565	25RB#0	-45.33,-44.61,-29.42	PASS
Band41	5MHz	16QAM	39675	1RB#0	-49.42,-49.95,-29.62	PASS
Band41	5MHz	16QAM	39675	25RB#0	-48.56,-48.56,-32.61	PASS
Band41	5MHz	16QAM	41565	1RB#24	-49.80,-49.91,-24.63	PASS
Band41	5MHz	16QAM	41565	25RB#0	-47.52,-45.25,-33.37	PASS
Band41	10MHz	QPSK	39700	1RB#0	-45.91,-45.59,-32.78	PASS
Band41	10MHz	QPSK	39700	50RB#0	-45.90,-40.61,-33.16	PASS
Band41	10MHz	QPSK	41540	1RB#49	-47.07,-46.53,-30.37	PASS
Band41	10MHz	QPSK	41540	50RB#0	-43.66,-39.86,-33.54	PASS
Band41	10MHz	16QAM	39700	1RB#0	-45.61,-46.05,-39.30	PASS
Band41	10MHz	16QAM	39700	50RB#0	-45.58,-41.50,-36.24	PASS
Band41	10MHz	16QAM	41540	1RB#49	-46.29,-45.29,-35.83	PASS
Band41	10MHz	16QAM	41540	50RB#0	-44.26,-40.51,-34.81	PASS
Band41	15MHz	QPSK	39725	1RB#0	-41.92,-41.04,-25.40	PASS
Band41	15MHz	QPSK	39725	75RB#0	-41.97,-35.24,-31.03	PASS
Band41	15MHz	QPSK	41515	1RB#74	-42.89,-41.17,-32.02	PASS
Band41	15MHz	QPSK	41515	75RB#0	-40.32,-35.98,-27.90	PASS
Band41	15MHz	16QAM	39725	1RB#0	-42.15,-41.35,-27.09	PASS
Band41	15MHz	16QAM	39725	75RB#0	-40.92,-35.41,-32.48	PASS
Band41	15MHz	16QAM	41515	1RB#74	-42.97,-41.83,-29.77	PASS
Band41	15MHz	16QAM	41515	75RB#0	-41.02,-35.40,-32.83	PASS
Band41	20MHz	QPSK	39750	1RB#0	-41.32,-40.70,-33.71	PASS

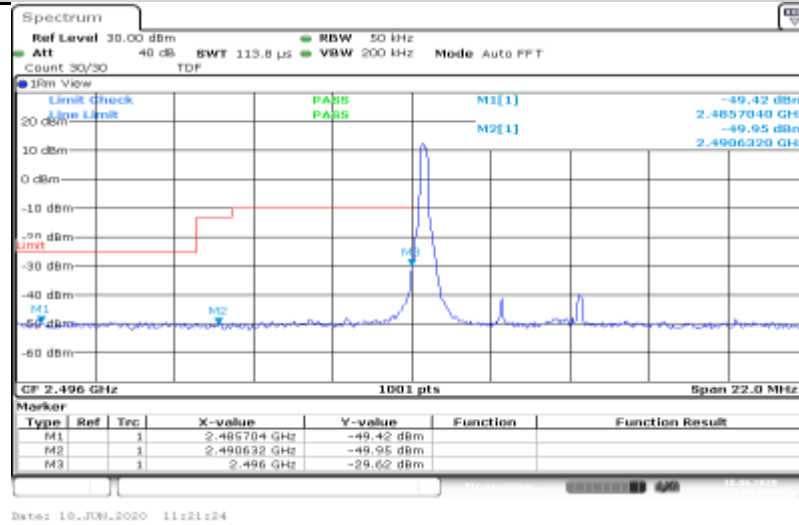
Band41	20MHz	QPSK	39750	100RB#0	-41.04,-35.51,- 30.58	PASS
Band41	20MHz	QPSK	41490	1RB#99	-35.45,-38.69,- 29.53	PASS
Band41	20MHz	QPSK	41490	100RB#0	-40.87,-36.02,- 32.85	PASS
Band41	20MHz	16QAM	39750	1RB#0	-41.24,-41.08,- 40.27	PASS
Band41	20MHz	16QAM	39750	100RB#0	-41.68,-36.30,- 32.91	PASS
Band41	20MHz	16QAM	41490	1RB#99	-37.02,-40.80,- 31.83	PASS
Band41	20MHz	16QAM	41490	100RB#0	-41.21,-35.88,- 33.04	PASS

4.2 Test Graphs

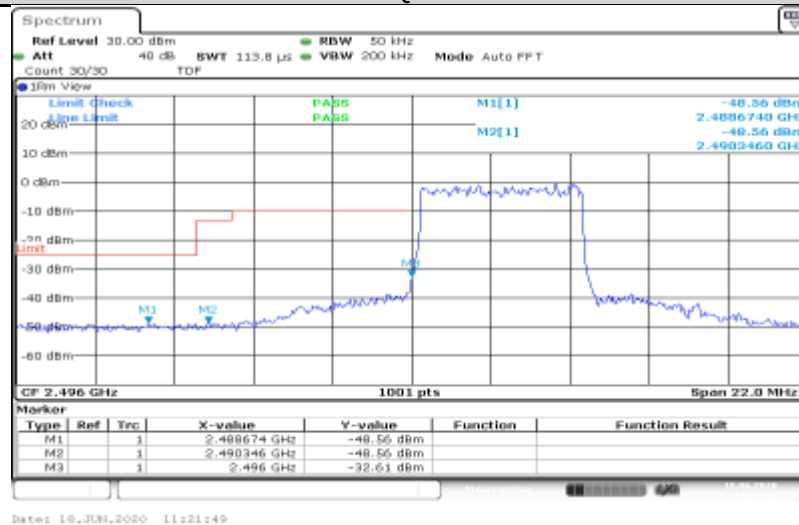
Band41-5MHz-QPSK-39675-1RB#0

Band41-5MHz-QPSK-39675-25RB#0

Band41-5MHz-QPSK-41565-1RB#24

Band41-5MHz-QPSK-41565-25RB#0



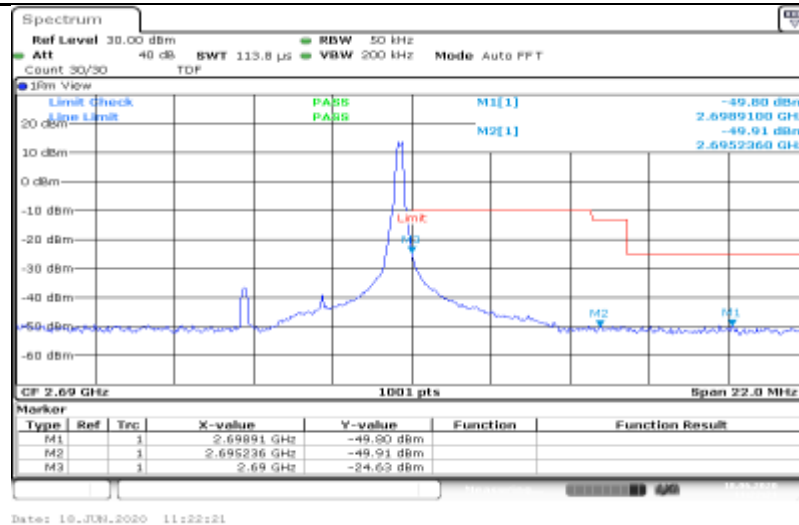
Band41-5MHz-16QAM-39675-1RB#0



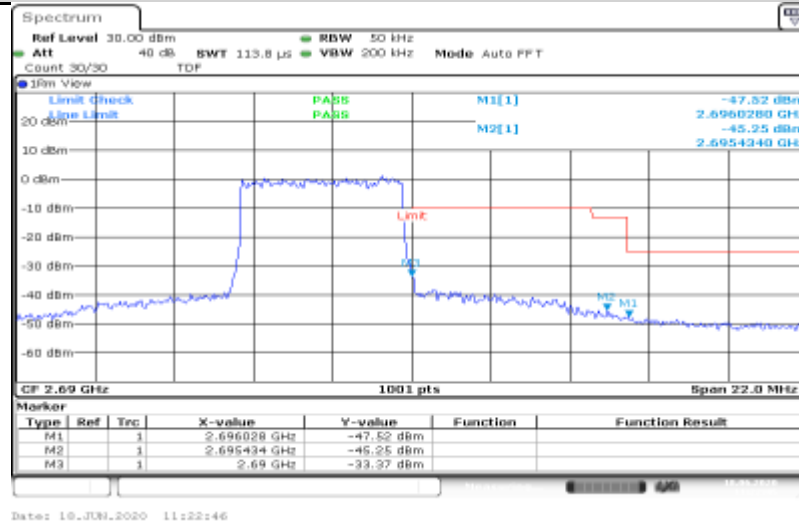
Band41-5MHz-16QAM-39675-25RB#0



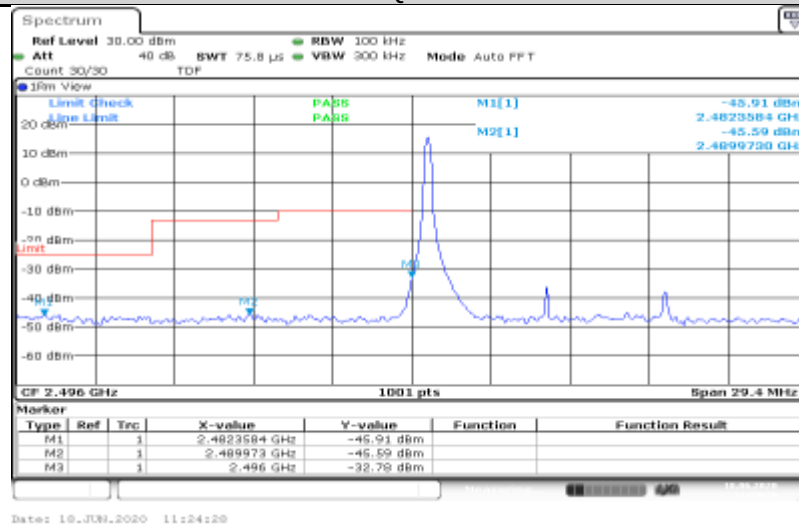
Band41-5MHz-16QAM-41565-1RB#24



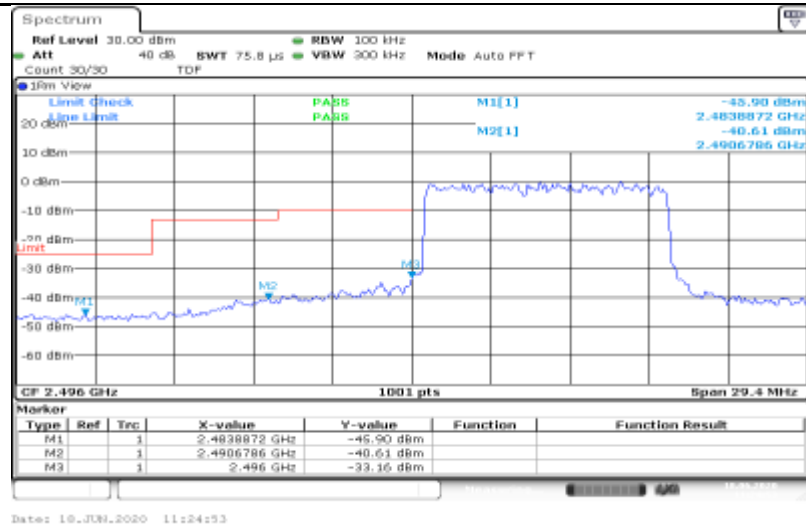
Band41-5MHz-16QAM-41565-25RB#0



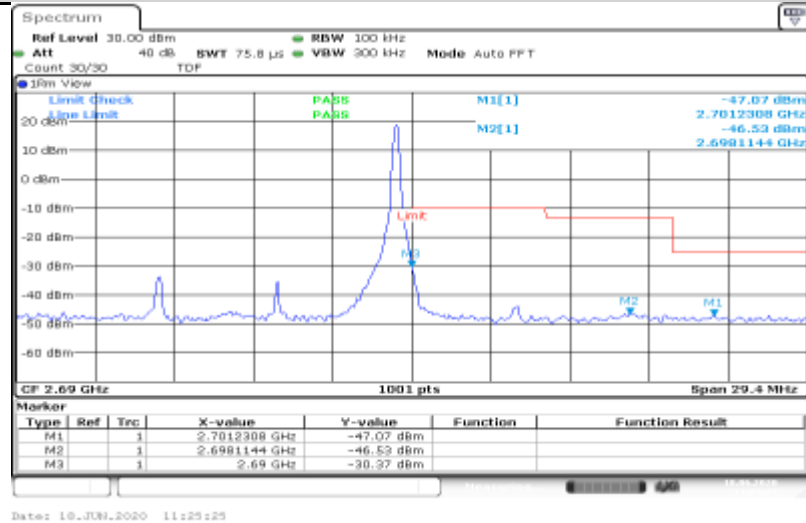
Band41-10MHz-QPSK-39700-1RB#0



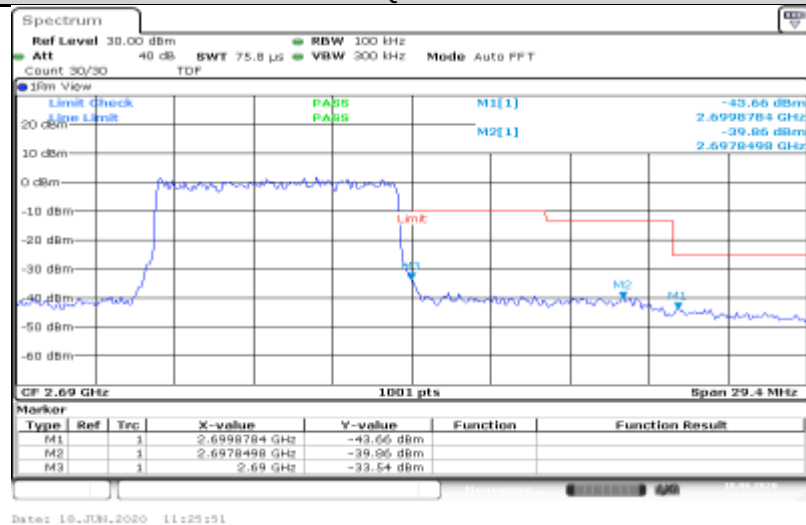
Band41-10MHz-QPSK-39700-50RB#0



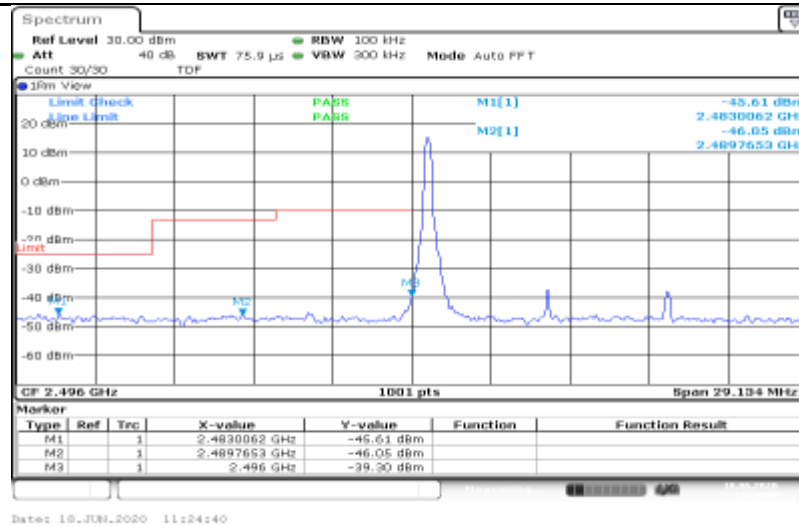
Band41-10MHz-QPSK-41540-1RB#49



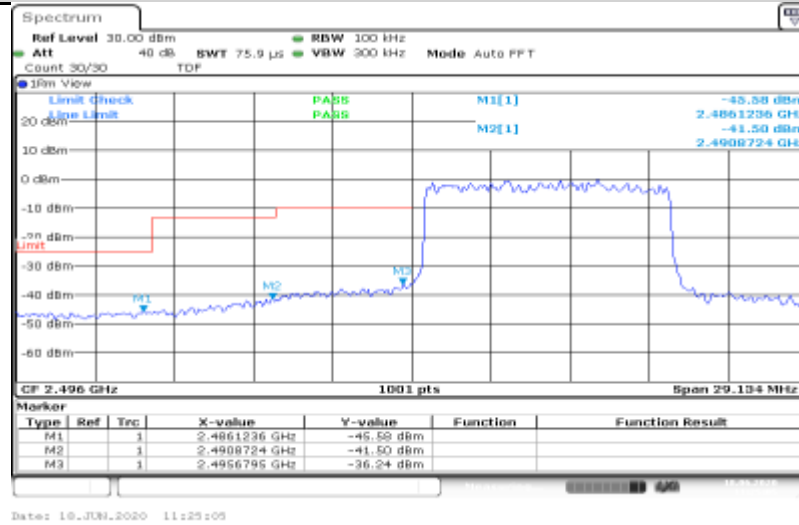
Band41-10MHz-QPSK-41540-50RB#0



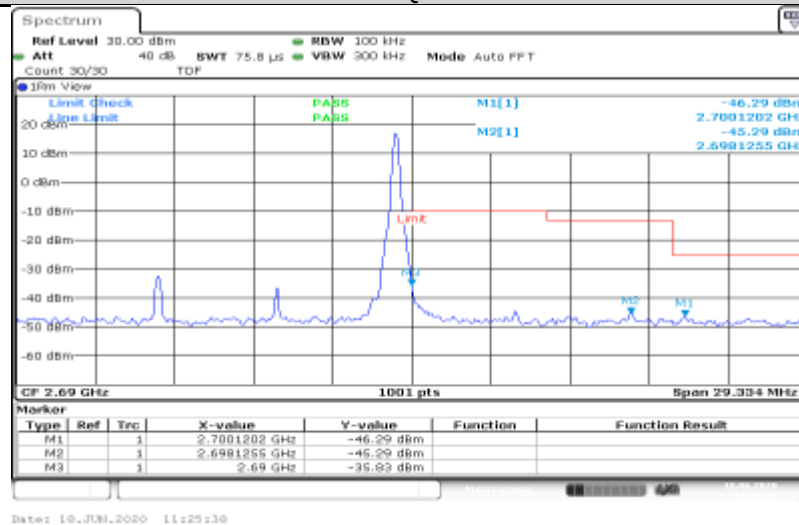
Band41-10MHz-16QAM-39700-1RB#0



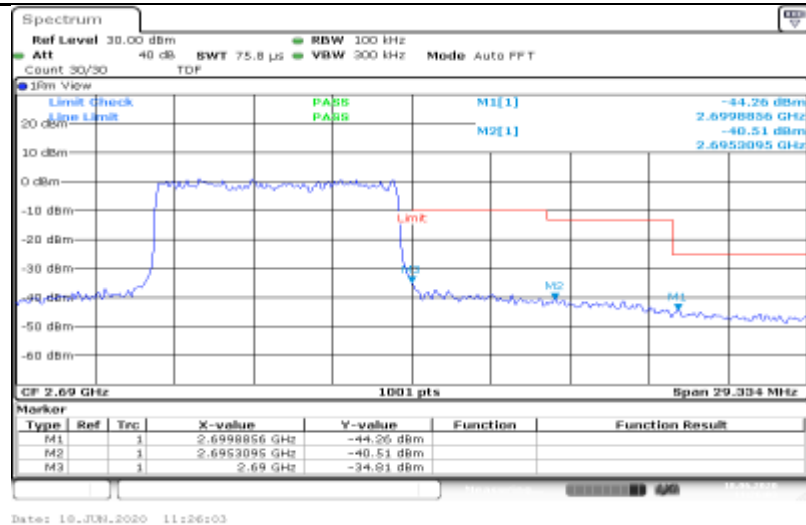
Band41-10MHz-16QAM-39700-50RB#0



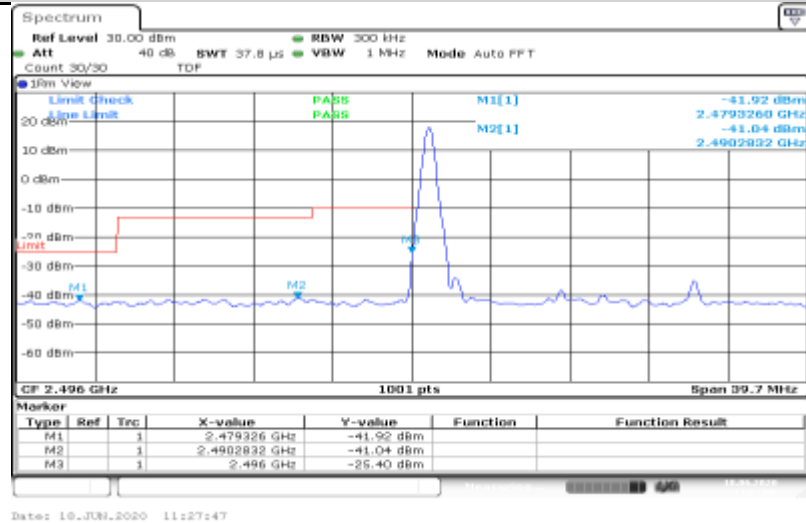
Band41-10MHz-16QAM-41540-1RB#49



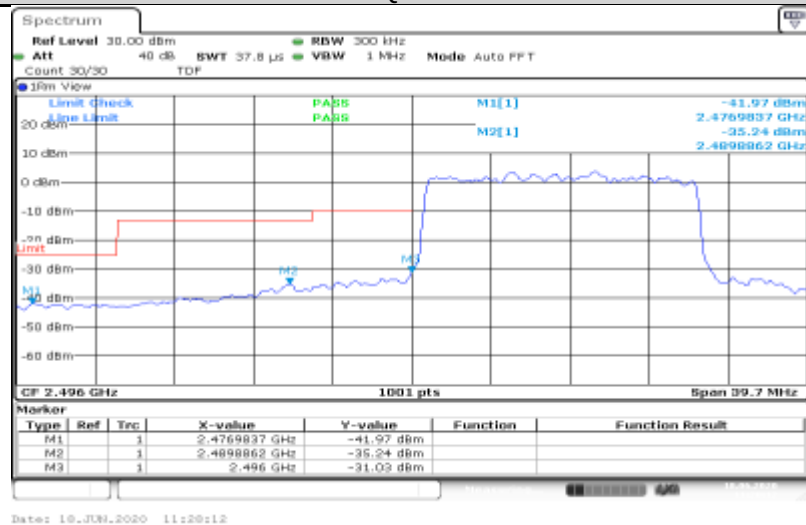
Band41-10MHz-16QAM-41540-50RB#0



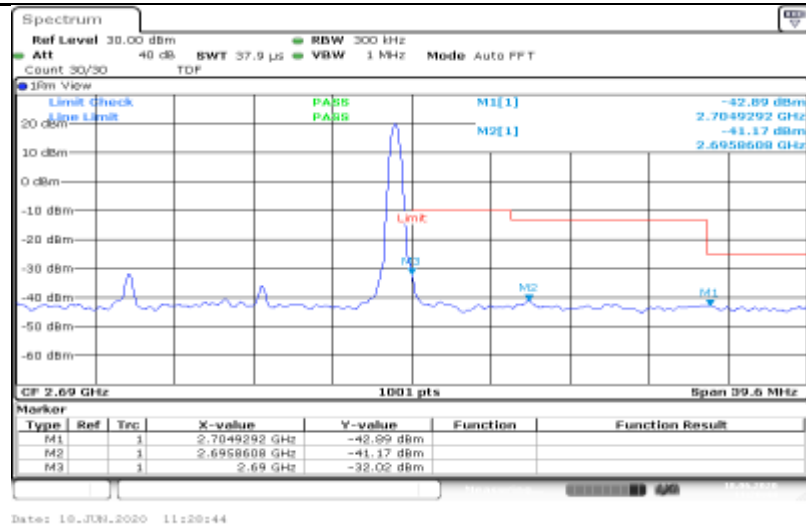
Band41-15MHz-QPSK-39725-1RB#0



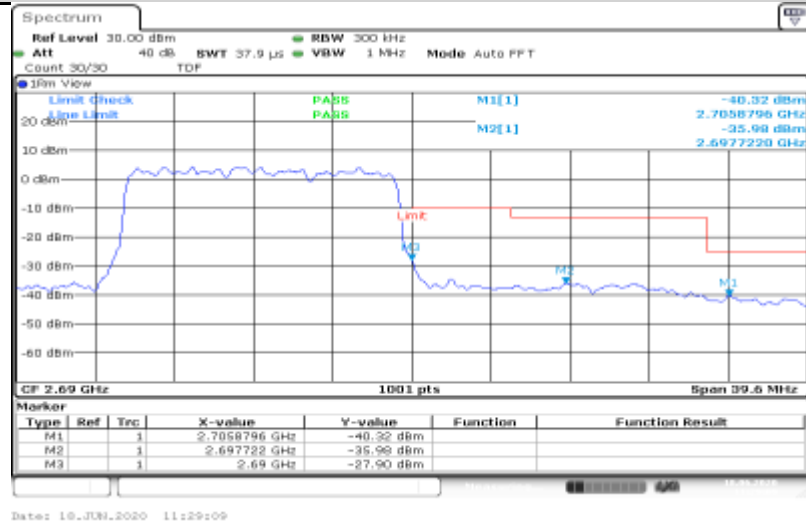
Band41-15MHz-QPSK-39725-75RB#0



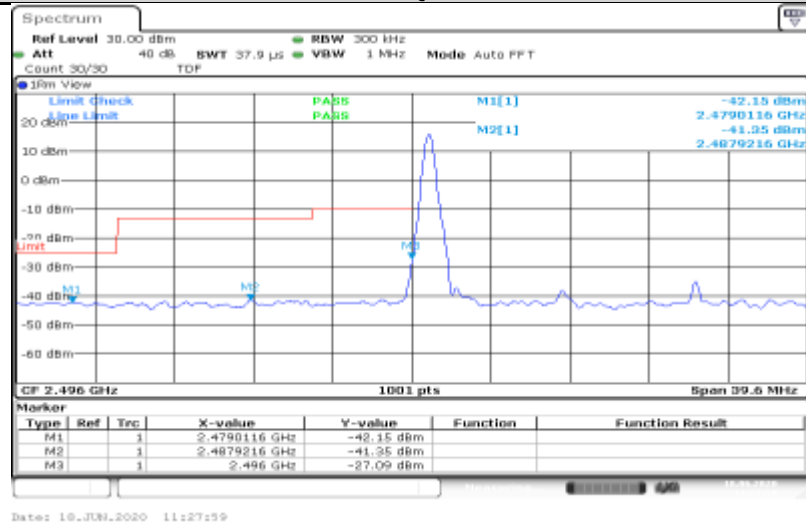
Band41-15MHz-QPSK-41515-1RB#74



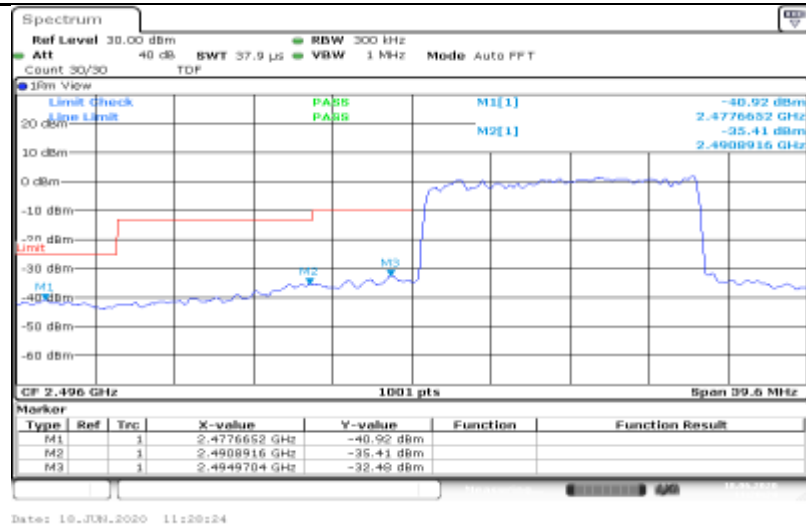
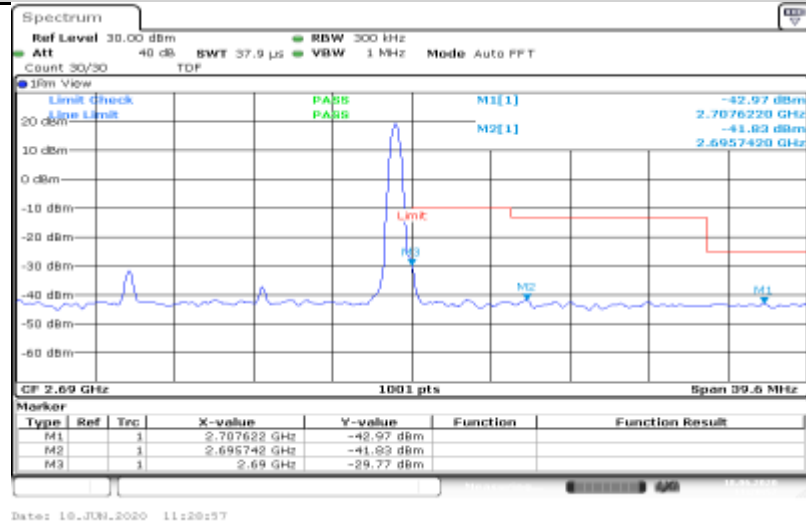
Band41-15MHz-QPSK-41515-75RB#0



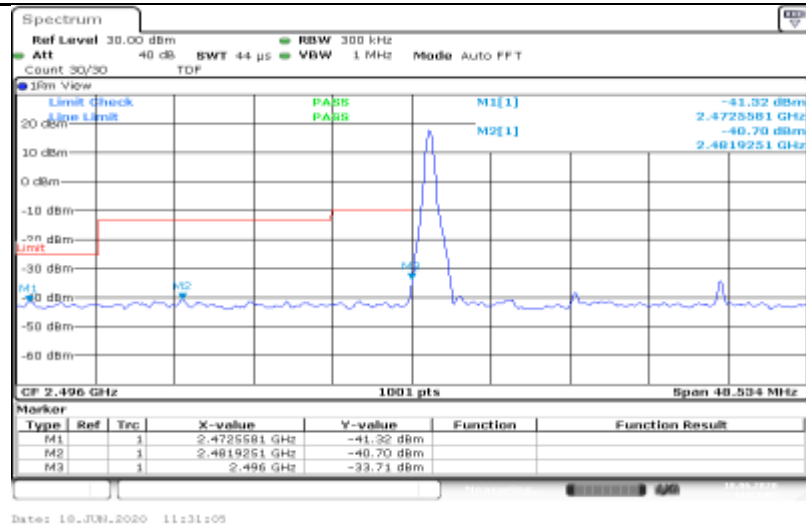
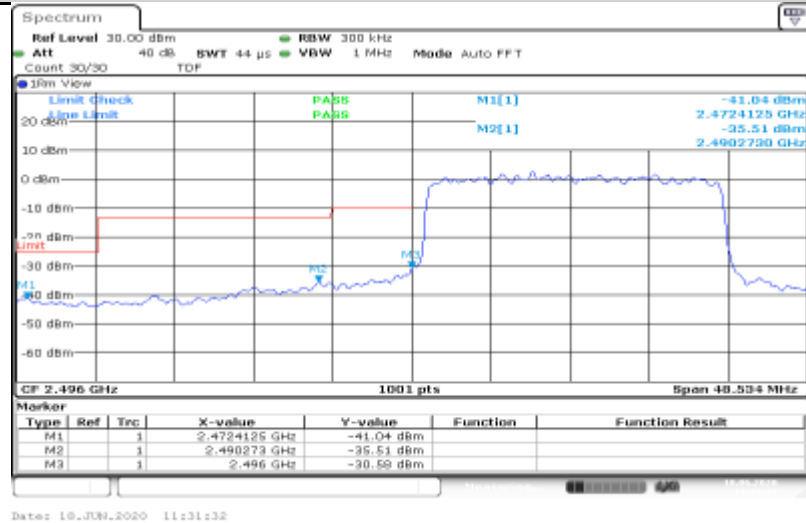
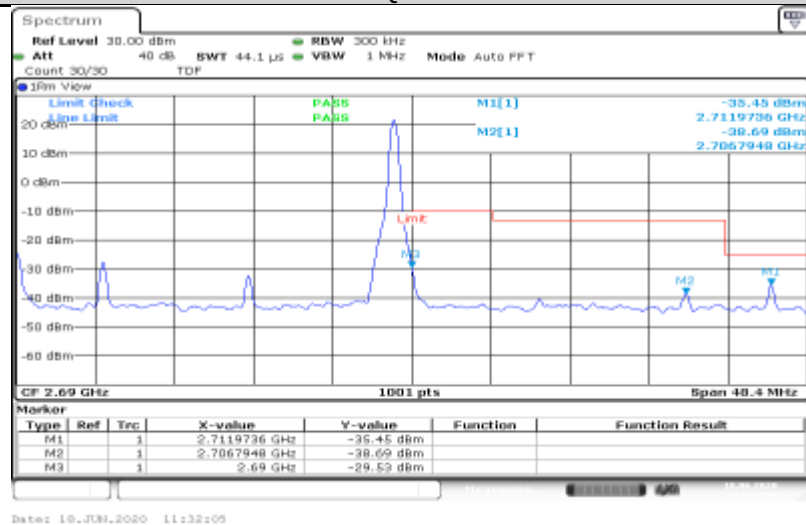
Band41-15MHz-16QAM-39725-1RB#0

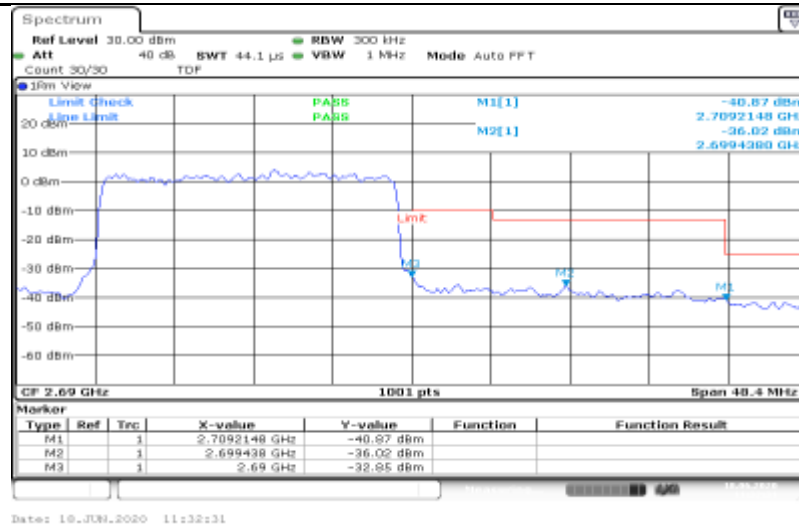
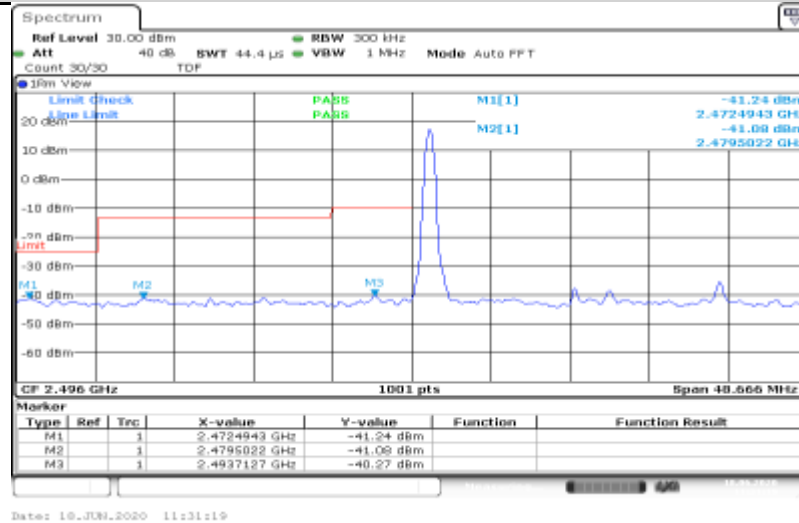
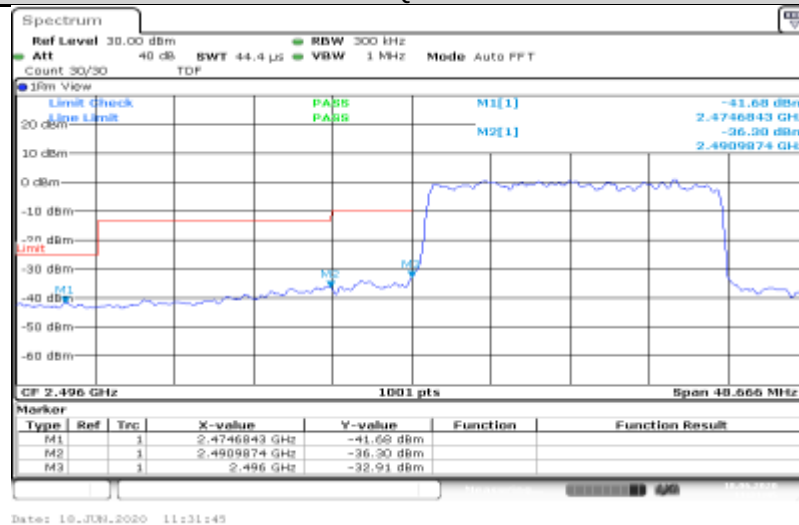


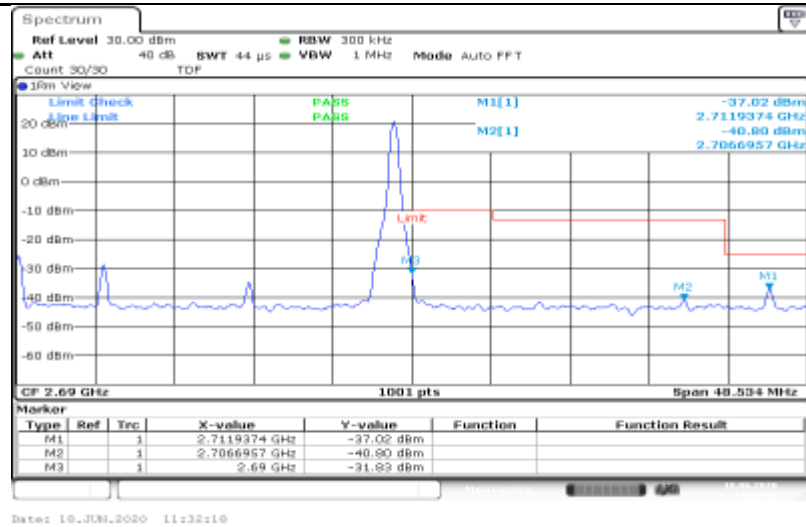
Band41-15MHz-16QAM-39725-75RB#0


Band41-15MHz-16QAM-41515-1RB#74

Band41-15MHz-16QAM-41515-75RB#0

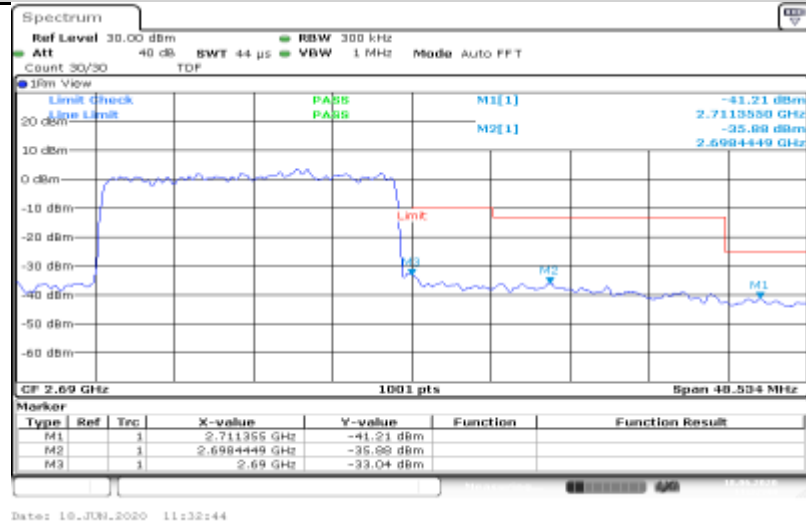
Band41-20MHz-QPSK-39750-1RB#0


Band41-20MHz-QPSK-39750-100RB#0

Band41-20MHz-QPSK-41490-1RB#99

Band41-20MHz-QPSK-41490-100RB#0


Band41-20MHz-16QAM-39750-1RB#0

Band41-20MHz-16QAM-39750-100RB#0

Band41-20MHz-16QAM-41490-1RB#99



Band41-20MHz-16QAM-41490-100RB#0



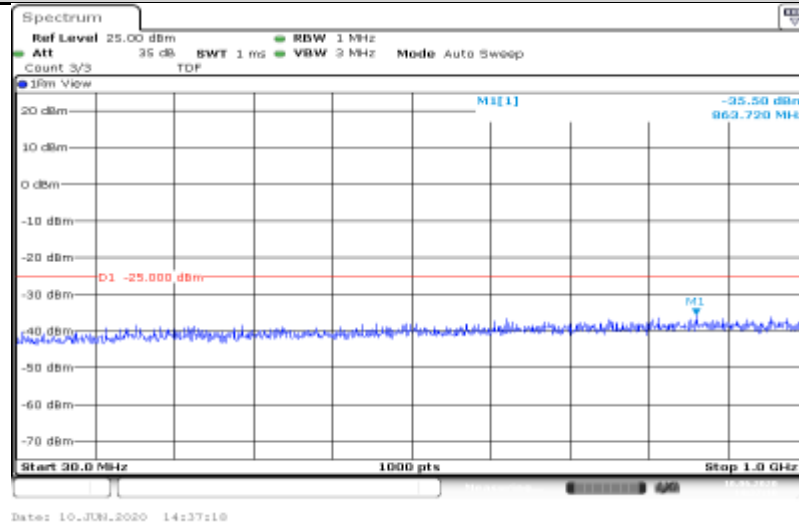
5. Conducted Spurious Emission

5.1 Test Result

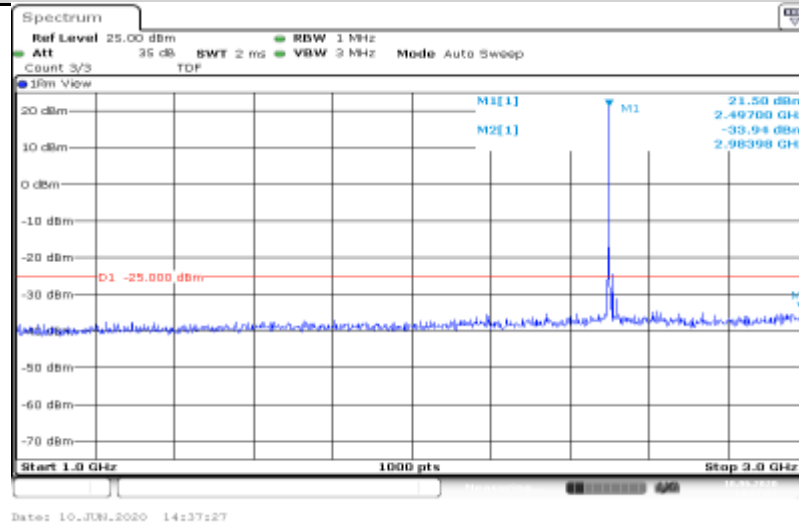
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band41	20MHz	QPSK	39750	1RB#0	Range1:30~1000MHz	-35.5	PASS
Band41	20MHz	QPSK	39750	1RB#0	Range2:1000~3000MHz	-33.94	PASS
Band41	20MHz	QPSK	39750	1RB#0	Range3:3000~26500MHz	-37.79	PASS
Band41	20MHz	QPSK	40620	1RB#0	Range1:30~1000MHz	-36.49	PASS
Band41	20MHz	QPSK	40620	1RB#0	Range2:1000~3000MHz	-34.23	PASS
Band41	20MHz	QPSK	40620	1RB#0	Range3:3000~26500MHz	-34.23	PASS
Band41	20MHz	QPSK	41490	1RB#0	Range1:30~1000MHz	-35.33	PASS
Band41	20MHz	QPSK	41490	1RB#0	Range2:1000~3000MHz	-35.04	PASS
Band41	20MHz	QPSK	41490	1RB#0	Range3:3000~26500MHz	-30.43	PASS
Band41	20MHz	16QAM	39750	1RB#0	Range1:30~1000MHz	-35.5	PASS
Band41	20MHz	16QAM	39750	1RB#0	Range2:1000~3000MHz	-34.1	PASS
Band41	20MHz	16QAM	39750	1RB#0	Range3:3000~26500MHz	-34.26	PASS
Band41	20MHz	16QAM	40620	1RB#0	Range1:30~1000MHz	-35.73	PASS
Band41	20MHz	16QAM	40620	1RB#0	Range2:1000~3000MHz	-34.67	PASS
Band41	20MHz	16QAM	40620	1RB#0	Range3:3000~26500MHz	-34.71	PASS
Band41	20MHz	16QAM	41490	1RB#0	Range1:30~1000MHz	-35.95	PASS
Band41	20MHz	16QAM	41490	1RB#0	Range2:1000~3000MHz	-34.32	PASS
Band41	20MHz	16QAM	41490	1RB#0	Range3:3000~26500MHz	-29.91	PASS

5.2 Test Graphs

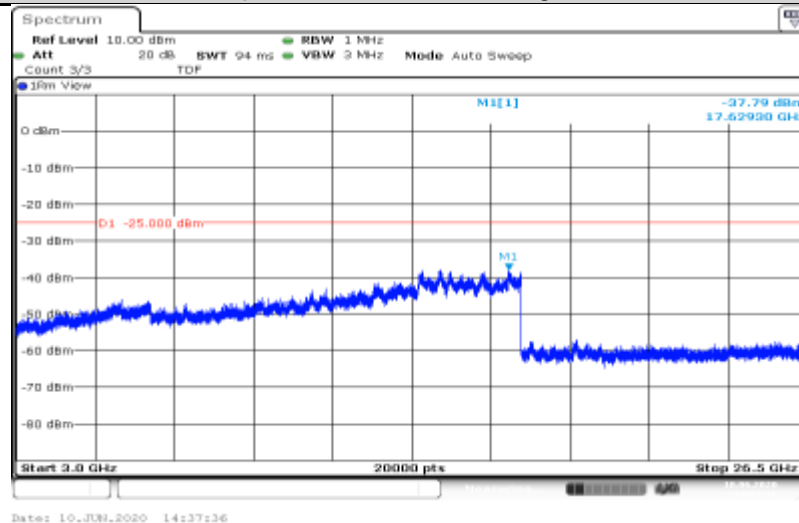
Band41-20MHz-QPSK-39750-1RB#0-Range1:30~1000MHz



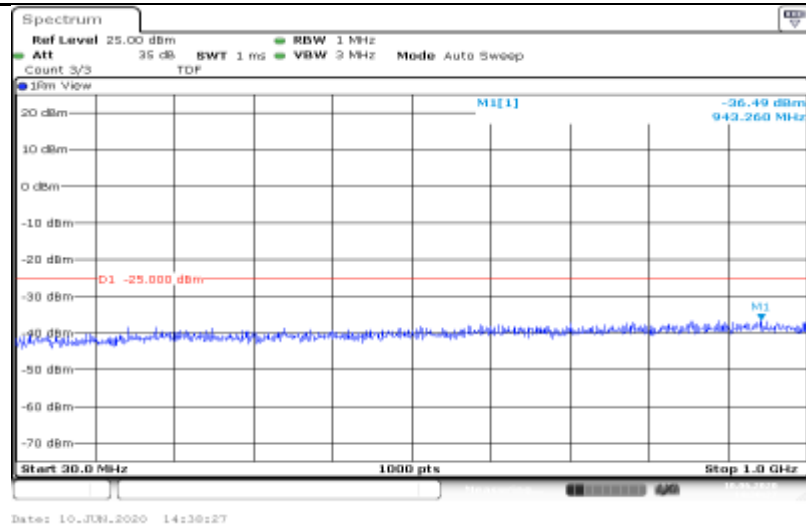
Band41-20MHz-QPSK-39750-1RB#0-Range2:1000~3000MHz



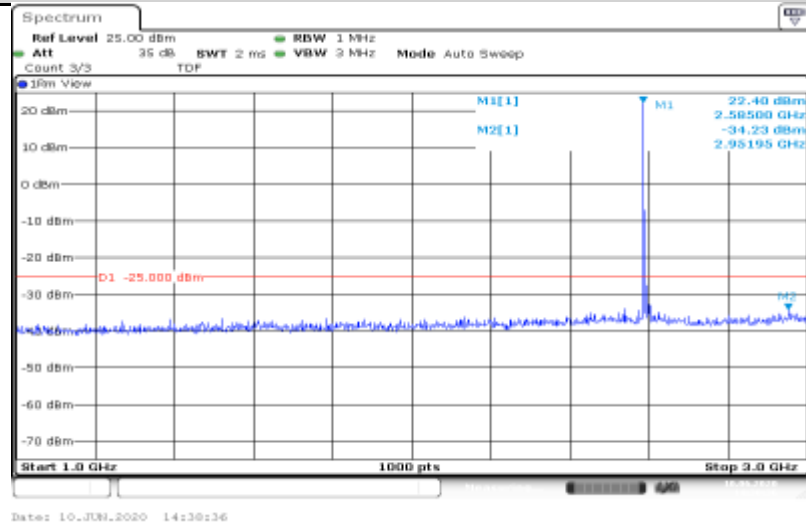
Band41-20MHz-QPSK-39750-1RB#0-Range3:3000~26500MHz



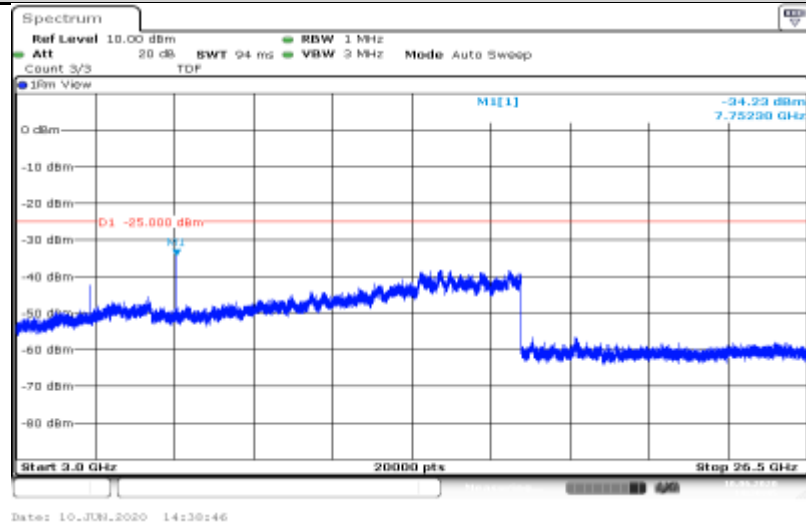
Band41-20MHz-QPSK-40620-1RB#0-Range1:30~1000MHz



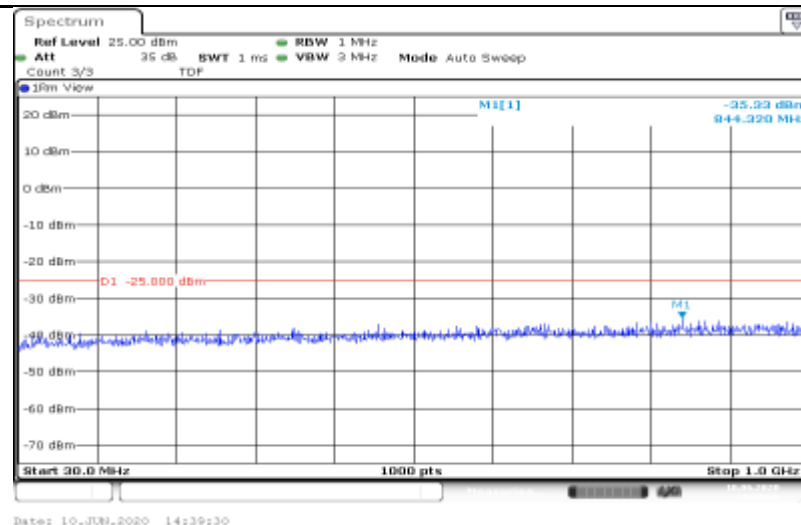
Band41-20MHz-QPSK-40620-1RB#0-Range2:1000~3000MHz



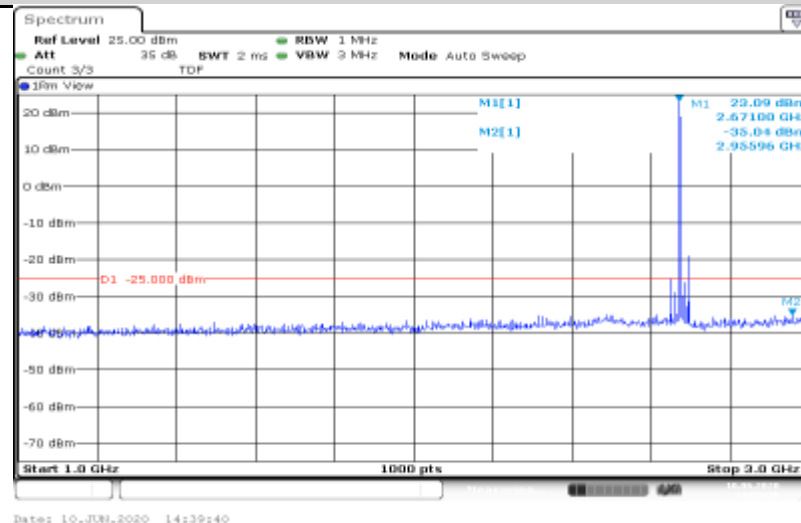
Band41-20MHz-QPSK-40620-1RB#0-Range3:3000~26500MHz



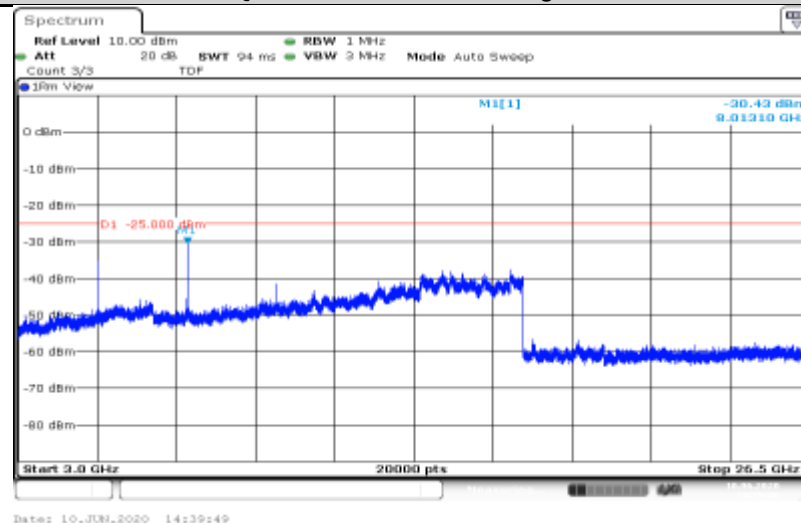
Band41-20MHz-QPSK-41490-1RB#0-Range1:30~1000MHz



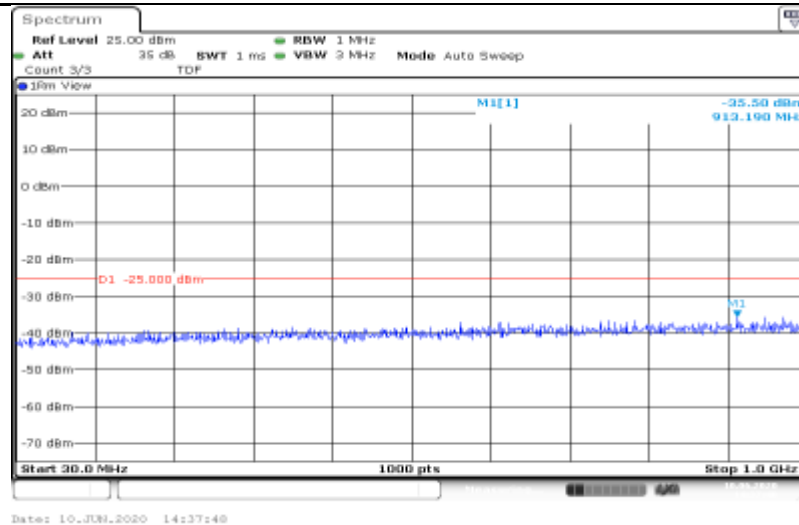
Band41-20MHz-QPSK-41490-1RB#0-Range2:1000~3000MHz



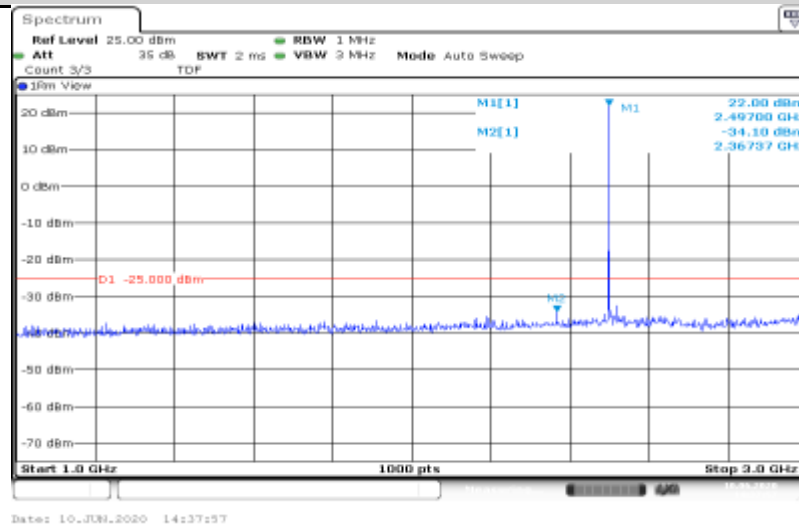
Band41-20MHz-QPSK-41490-1RB#0-Range3:3000~26500MHz



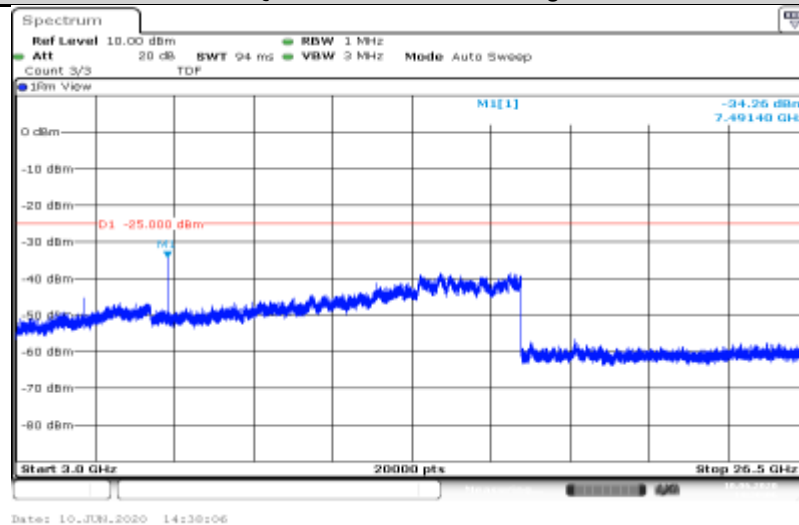
Band41-20MHz-16QAM-39750-1RB#0-Range1:30~1000MHz



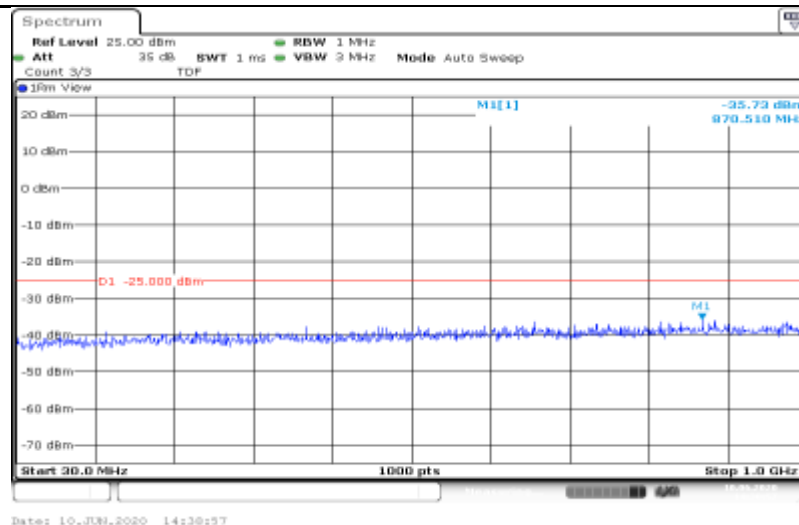
Band41-20MHz-16QAM-39750-1RB#0-Range2:1000~3000MHz



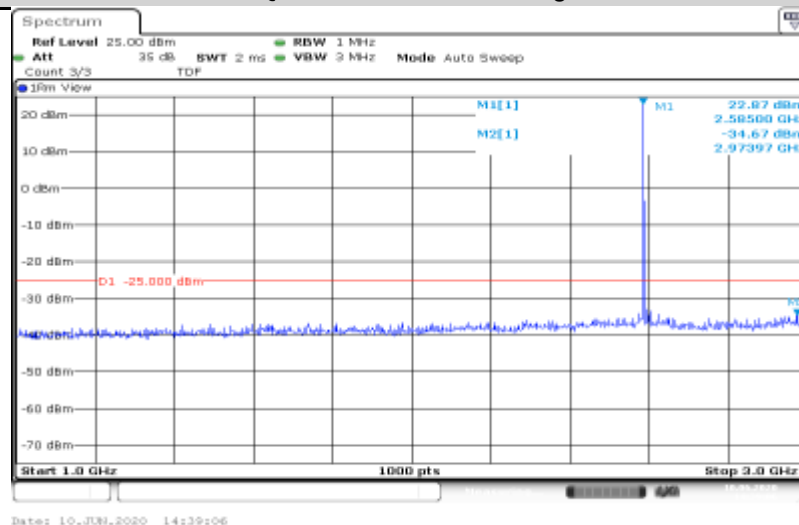
Band41-20MHz-16QAM-39750-1RB#0-Range3:3000~26500MHz



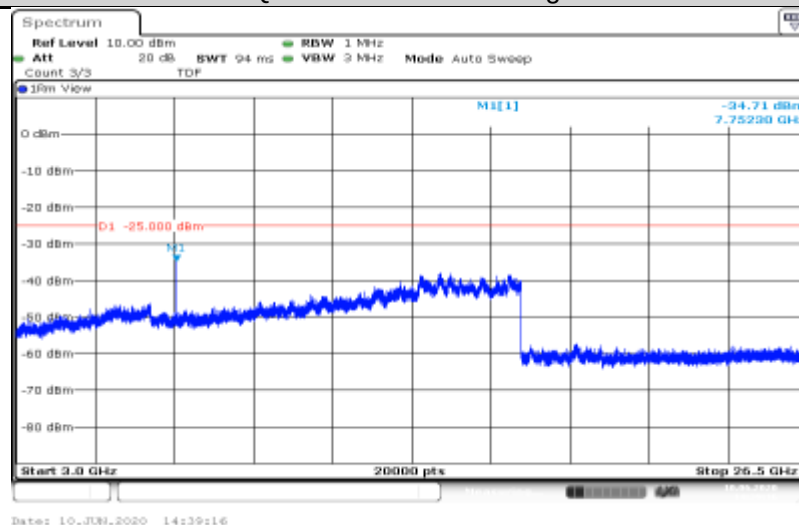
Band41-20MHz-16QAM-40620-1RB#0-Range1:30~1000MHz



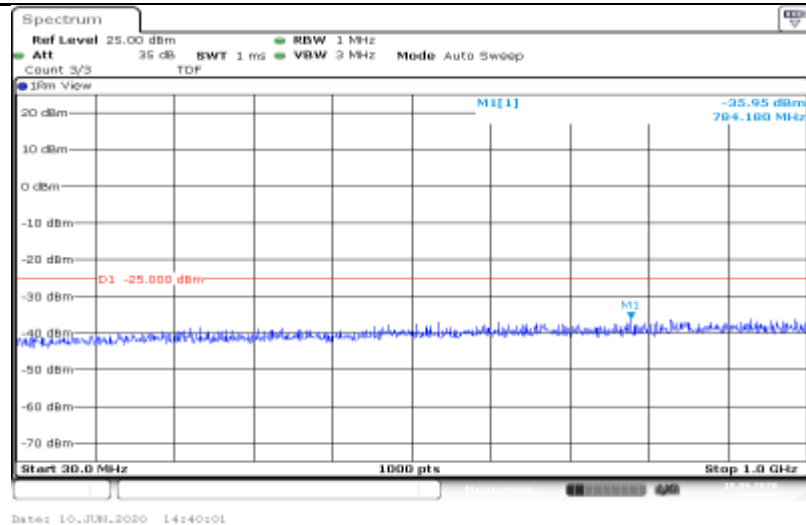
Band41-20MHz-16QAM-40620-1RB#0-Range2:1000~3000MHz



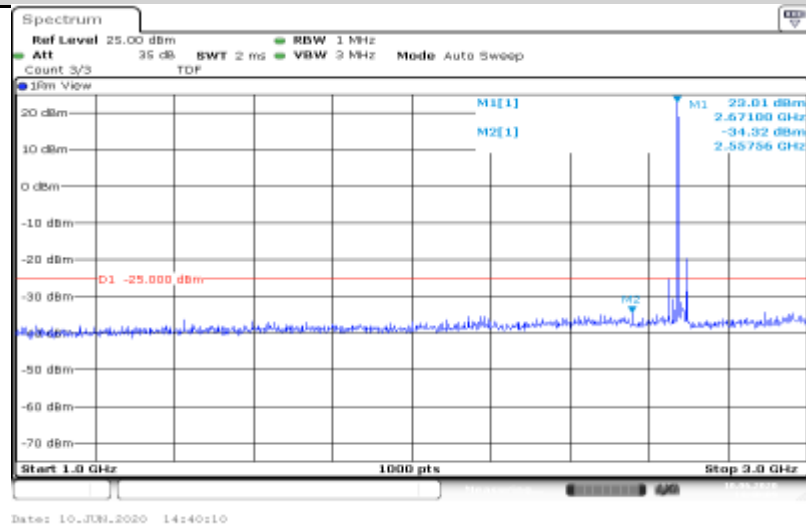
Band41-20MHz-16QAM-40620-1RB#0-Range3:3000~26500MHz



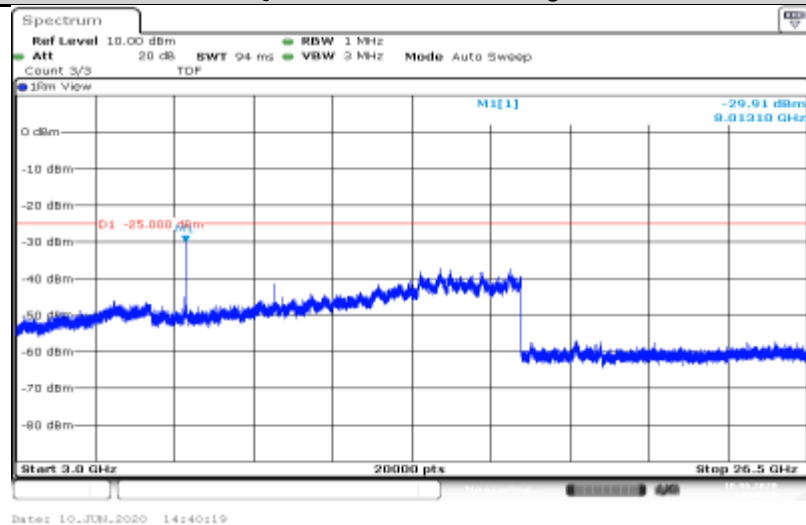
Band41-20MHz-16QAM-41490-1RB#0-Range1:30~1000MHz



Band41-20MHz-16QAM-41490-1RB#0-Range2:1000~3000MHz



Band41-20MHz-16QAM-41490-1RB#0-Range3:3000~26500MHz



6. Frequency Stability

6.1 Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band41	20MHz	QPSK	39750	100RB#0	VL	NT	27.51	0.010978	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	VN	NT	16.51	0.006588	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	VH	NT	27.69	0.011049	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	VL	NT	18.70	0.007212	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	VN	NT	25.84	0.009965	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	VH	NT	14.89	0.005742	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	VL	NT	22.36	0.008343	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	VN	NT	25.92	0.009672	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	VH	NT	20.24	0.007552	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	VL	NT	17.35	0.006923	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	VN	NT	15.21	0.006069	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	VH	NT	21.44	0.008555	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	VL	NT	18.20	0.007019	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	VN	NT	29.25	0.011280	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	VH	NT	13.22	0.005098	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	VL	NT	18.24	0.006806	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	VN	NT	19.03	0.007101	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	VH	NT	17.94	0.006694	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band41	20MHz	QPSK	39750	100RB#0	NV	-30	28.94	0.011548	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	-20	29.51	0.011776	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	0	28.44	0.011349	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	10	29.11	0.011616	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	20	27.68	0.011045	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	30	19.03	0.007594	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	40	18.60	0.007422	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	50	24.10	0.009617	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	55	26.19	0.010451	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-30	25.33	0.009769	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-20	23.67	0.009128	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	0	22.89	0.008828	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	10	19.88	0.007667	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	20	14.45	0.005573	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	30	15.21	0.005866	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	40	28.00	0.010798	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	50	28.31	0.010918	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	55	23.89	0.009213	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-30	23.59	0.008802	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-20	28.62	0.010679	±2.5	PASS

Band41	20MHz	QPSK	41490	100RB#0	NV	0	26.59	0.009922	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	10	25.59	0.009549	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	20	27.45	0.010243	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	30	26.02	0.009709	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	40	24.99	0.009325	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	50	27.59	0.010295	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	55	27.78	0.010366	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	-30	29.57	0.011800	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	-20	24.06	0.009601	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	0	15.89	0.006341	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	10	26.32	0.010503	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	20	23.63	0.009429	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	30	28.20	0.011253	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	40	22.22	0.008867	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	50	17.08	0.006816	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	55	13.32	0.005315	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	-30	23.80	0.009179	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	-20	24.79	0.009560	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	0	22.63	0.008727	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	10	19.90	0.007675	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	20	16.49	0.006359	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	30	13.49	0.005202	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	40	18.74	0.007227	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	50	21.89	0.008442	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	55	21.80	0.008407	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	-30	20.40	0.007612	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	-20	22.65	0.008451	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	0	27.14	0.010127	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	10	12.87	0.004802	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	20	16.77	0.006257	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	30	28.37	0.010586	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	40	11.69	0.004362	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	50	19.53	0.007287	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	55	27.29	0.010183	±2.5	PASS

Appendix R: Test Results of LTE Band 66 operation

Contents

1. EFFECTIVE (ISOTROPIC) RADIATED POWER OUTPUT DATA	2
1.1 Test Result.....	2
2. PEAK-TO-AVERAGE RATIO (CCDF)	9
2.1 Test Result.....	9
2.2 Test Graphs.....	10
3. 26DB BANDWIDTH AND OCCUPIED BANDWIDTH.....	12
3.1 Test Result.....	12
3.2 Test Graphs.....	13
4. BAND EDGE.....	25
4.1 Test Result.....	25
4.2 Test Graphs.....	26
5. CONDUCTED SPURIOUS EMISSION.....	42
5.1 Test Result.....	42
5.2 Test Graphs.....	43
6. FREQUENCY STABILITY	47
6.1 Test Result.....	47

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band66	1.4MHz	QPSK	131979	1RB#0	22.76	PASS
Band66	1.4MHz	QPSK	131979	1RB#2	22.83	PASS
Band66	1.4MHz	QPSK	131979	1RB#5	22.79	PASS
Band66	1.4MHz	QPSK	131979	3RB#1	22.73	PASS
Band66	1.4MHz	QPSK	131979	3RB#0	22.74	PASS
Band66	1.4MHz	QPSK	131979	3RB#3	22.77	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	21.76	PASS
Band66	1.4MHz	QPSK	132322	1RB#5	22.72	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	22.72	PASS
Band66	1.4MHz	QPSK	132322	1RB#2	22.75	PASS
Band66	1.4MHz	QPSK	132322	3RB#0	22.79	PASS
Band66	1.4MHz	QPSK	132322	3RB#1	22.73	PASS
Band66	1.4MHz	QPSK	132322	3RB#3	22.71	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	21.74	PASS
Band66	1.4MHz	QPSK	132665	1RB#2	22.57	PASS
Band66	1.4MHz	QPSK	132665	1RB#5	22.55	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	22.52	PASS
Band66	1.4MHz	QPSK	132665	3RB#0	22.39	PASS
Band66	1.4MHz	QPSK	132665	3RB#3	22.46	PASS
Band66	1.4MHz	QPSK	132665	3RB#1	22.40	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	21.39	PASS
Band66	1.4MHz	16QAM	131979	1RB#2	21.69	PASS
Band66	1.4MHz	16QAM	131979	1RB#5	21.66	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	21.65	PASS
Band66	1.4MHz	16QAM	131979	3RB#0	21.72	PASS
Band66	1.4MHz	16QAM	131979	3RB#1	21.71	PASS
Band66	1.4MHz	16QAM	131979	3RB#3	21.72	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	20.64	PASS
Band66	1.4MHz	16QAM	132322	1RB#5	21.66	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	21.68	PASS
Band66	1.4MHz	16QAM	132322	1RB#2	21.74	PASS
Band66	1.4MHz	16QAM	132322	3RB#3	21.65	PASS

Band66	1.4MHz	16QAM	132322	3RB#1	21.64	PASS
Band66	1.4MHz	16QAM	132322	3RB#0	21.67	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	20.77	PASS
Band66	1.4MHz	16QAM	132665	1RB#2	21.43	PASS
Band66	1.4MHz	16QAM	132665	1RB#5	21.35	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	21.32	PASS
Band66	1.4MHz	16QAM	132665	3RB#3	21.35	PASS
Band66	1.4MHz	16QAM	132665	3RB#1	21.45	PASS
Band66	1.4MHz	16QAM	132665	3RB#0	21.39	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	20.22	PASS
Band66	3MHz	QPSK	131987	1RB#14	22.66	PASS
Band66	3MHz	QPSK	131987	1RB#0	22.75	PASS
Band66	3MHz	QPSK	131987	1RB#8	22.83	PASS
Band66	3MHz	QPSK	131987	8RB#7	21.79	PASS
Band66	3MHz	QPSK	131987	8RB#4	21.80	PASS
Band66	3MHz	QPSK	131987	8RB#0	21.83	PASS
Band66	3MHz	QPSK	131987	15RB#0	21.83	PASS
Band66	3MHz	QPSK	132322	1RB#14	22.74	PASS
Band66	3MHz	QPSK	132322	1RB#8	22.86	PASS
Band66	3MHz	QPSK	132322	1RB#0	22.79	PASS
Band66	3MHz	QPSK	132322	8RB#7	21.89	PASS
Band66	3MHz	QPSK	132322	8RB#0	21.89	PASS
Band66	3MHz	QPSK	132322	8RB#4	21.91	PASS
Band66	3MHz	QPSK	132322	15RB#0	21.89	PASS
Band66	3MHz	QPSK	132657	1RB#14	22.69	PASS
Band66	3MHz	QPSK	132657	1RB#8	22.81	PASS
Band66	3MHz	QPSK	132657	1RB#0	22.61	PASS
Band66	3MHz	QPSK	132657	8RB#4	21.72	PASS
Band66	3MHz	QPSK	132657	8RB#0	21.75	PASS
Band66	3MHz	QPSK	132657	8RB#7	21.73	PASS
Band66	3MHz	QPSK	132657	15RB#0	21.80	PASS
Band66	3MHz	16QAM	131987	1RB#8	21.90	PASS
Band66	3MHz	16QAM	131987	1RB#14	21.78	PASS
Band66	3MHz	16QAM	131987	1RB#0	21.79	PASS
Band66	3MHz	16QAM	131987	8RB#0	20.93	PASS
Band66	3MHz	16QAM	131987	8RB#7	20.92	PASS
Band66	3MHz	16QAM	131987	8RB#4	20.93	PASS

Band66	3MHz	16QAM	131987	15RB#0	20.96	PASS
Band66	3MHz	16QAM	132322	1RB#8	21.92	PASS
Band66	3MHz	16QAM	132322	1RB#14	21.82	PASS
Band66	3MHz	16QAM	132322	1RB#0	21.78	PASS
Band66	3MHz	16QAM	132322	8RB#4	20.96	PASS
Band66	3MHz	16QAM	132322	8RB#0	20.93	PASS
Band66	3MHz	16QAM	132322	8RB#7	20.94	PASS
Band66	3MHz	16QAM	132322	15RB#0	20.94	PASS
Band66	3MHz	16QAM	132657	1RB#14	21.68	PASS
Band66	3MHz	16QAM	132657	1RB#0	21.70	PASS
Band66	3MHz	16QAM	132657	1RB#8	21.85	PASS
Band66	3MHz	16QAM	132657	8RB#0	20.87	PASS
Band66	3MHz	16QAM	132657	8RB#7	20.78	PASS
Band66	3MHz	16QAM	132657	8RB#4	20.87	PASS
Band66	3MHz	16QAM	132657	15RB#0	20.86	PASS
Band66	5MHz	QPSK	131997	1RB#24	22.70	PASS
Band66	5MHz	QPSK	131997	1RB#12	22.96	PASS
Band66	5MHz	QPSK	131997	1RB#0	22.69	PASS
Band66	5MHz	QPSK	131997	12RB#6	21.82	PASS
Band66	5MHz	QPSK	131997	12RB#0	21.80	PASS
Band66	5MHz	QPSK	131997	12RB#13	21.79	PASS
Band66	5MHz	QPSK	131997	25RB#0	21.81	PASS
Band66	5MHz	QPSK	132322	1RB#24	22.75	PASS
Band66	5MHz	QPSK	132322	1RB#0	22.80	PASS
Band66	5MHz	QPSK	132322	1RB#12	23.01	PASS
Band66	5MHz	QPSK	132322	12RB#6	21.91	PASS
Band66	5MHz	QPSK	132322	12RB#0	21.82	PASS
Band66	5MHz	QPSK	132322	12RB#13	21.84	PASS
Band66	5MHz	QPSK	132322	25RB#0	21.81	PASS
Band66	5MHz	QPSK	132647	1RB#0	22.67	PASS
Band66	5MHz	QPSK	132647	1RB#12	22.93	PASS
Band66	5MHz	QPSK	132647	1RB#24	22.71	PASS
Band66	5MHz	QPSK	132647	12RB#0	21.73	PASS
Band66	5MHz	QPSK	132647	12RB#6	21.75	PASS
Band66	5MHz	QPSK	132647	12RB#13	21.72	PASS
Band66	5MHz	QPSK	132647	25RB#0	21.74	PASS
Band66	5MHz	16QAM	131997	1RB#0	21.73	PASS

Band66	5MHz	16QAM	131997	1RB#12	21.92	PASS
Band66	5MHz	16QAM	131997	1RB#24	21.67	PASS
Band66	5MHz	16QAM	131997	12RB#13	20.82	PASS
Band66	5MHz	16QAM	131997	12RB#0	20.84	PASS
Band66	5MHz	16QAM	131997	12RB#6	20.84	PASS
Band66	5MHz	16QAM	131997	25RB#0	20.84	PASS
Band66	5MHz	16QAM	132322	1RB#0	21.70	PASS
Band66	5MHz	16QAM	132322	1RB#12	21.98	PASS
Band66	5MHz	16QAM	132322	1RB#24	21.77	PASS
Band66	5MHz	16QAM	132322	12RB#0	20.86	PASS
Band66	5MHz	16QAM	132322	12RB#13	20.89	PASS
Band66	5MHz	16QAM	132322	12RB#6	20.88	PASS
Band66	5MHz	16QAM	132322	25RB#0	20.91	PASS
Band66	5MHz	16QAM	132647	1RB#0	21.64	PASS
Band66	5MHz	16QAM	132647	1RB#24	21.72	PASS
Band66	5MHz	16QAM	132647	1RB#12	21.90	PASS
Band66	5MHz	16QAM	132647	12RB#0	20.80	PASS
Band66	5MHz	16QAM	132647	12RB#6	20.83	PASS
Band66	5MHz	16QAM	132647	12RB#13	20.80	PASS
Band66	5MHz	16QAM	132647	25RB#0	20.87	PASS
Band66	10MHz	QPSK	132022	1RB#0	22.74	PASS
Band66	10MHz	QPSK	132022	1RB#24	22.77	PASS
Band66	10MHz	QPSK	132022	1RB#49	22.64	PASS
Band66	10MHz	QPSK	132022	25RB#12	21.79	PASS
Band66	10MHz	QPSK	132022	25RB#0	21.79	PASS
Band66	10MHz	QPSK	132022	25RB#25	21.77	PASS
Band66	10MHz	QPSK	132022	50RB#0	21.81	PASS
Band66	10MHz	QPSK	132322	1RB#49	22.83	PASS
Band66	10MHz	QPSK	132322	1RB#0	22.82	PASS
Band66	10MHz	QPSK	132322	1RB#24	22.85	PASS
Band66	10MHz	QPSK	132322	25RB#0	21.84	PASS
Band66	10MHz	QPSK	132322	25RB#12	21.86	PASS
Band66	10MHz	QPSK	132322	25RB#25	21.87	PASS
Band66	10MHz	QPSK	132322	50RB#0	21.86	PASS
Band66	10MHz	QPSK	132622	1RB#24	22.71	PASS
Band66	10MHz	QPSK	132622	1RB#49	22.76	PASS
Band66	10MHz	QPSK	132622	1RB#0	22.74	PASS

Band66	10MHz	QPSK	132622	25RB#0	21.73	PASS
Band66	10MHz	QPSK	132622	25RB#25	21.80	PASS
Band66	10MHz	QPSK	132622	25RB#12	21.78	PASS
Band66	10MHz	QPSK	132622	50RB#0	21.82	PASS
Band66	10MHz	16QAM	132022	1RB#24	21.88	PASS
Band66	10MHz	16QAM	132022	1RB#49	21.78	PASS
Band66	10MHz	16QAM	132022	1RB#0	21.88	PASS
Band66	10MHz	16QAM	132022	25RB#0	20.88	PASS
Band66	10MHz	16QAM	132022	25RB#12	20.88	PASS
Band66	10MHz	16QAM	132022	25RB#25	20.86	PASS
Band66	10MHz	16QAM	132022	50RB#0	20.83	PASS
Band66	10MHz	16QAM	132322	1RB#49	21.92	PASS
Band66	10MHz	16QAM	132322	1RB#0	21.83	PASS
Band66	10MHz	16QAM	132322	1RB#24	21.97	PASS
Band66	10MHz	16QAM	132322	25RB#25	20.92	PASS
Band66	10MHz	16QAM	132322	25RB#12	20.86	PASS
Band66	10MHz	16QAM	132322	25RB#0	20.85	PASS
Band66	10MHz	16QAM	132322	50RB#0	20.90	PASS
Band66	10MHz	16QAM	132622	1RB#24	21.91	PASS
Band66	10MHz	16QAM	132622	1RB#49	21.82	PASS
Band66	10MHz	16QAM	132622	1RB#0	21.85	PASS
Band66	10MHz	16QAM	132622	25RB#25	20.82	PASS
Band66	10MHz	16QAM	132622	25RB#12	20.85	PASS
Band66	10MHz	16QAM	132622	25RB#0	20.84	PASS
Band66	10MHz	16QAM	132622	50RB#0	20.87	PASS
Band66	15MHz	QPSK	132047	1RB#74	22.62	PASS
Band66	15MHz	QPSK	132047	1RB#0	22.77	PASS
Band66	15MHz	QPSK	132047	1RB#38	22.81	PASS
Band66	15MHz	QPSK	132047	36RB#39	21.63	PASS
Band66	15MHz	QPSK	132047	36RB#18	21.69	PASS
Band66	15MHz	QPSK	132047	36RB#0	21.70	PASS
Band66	15MHz	QPSK	132047	75RB#0	21.69	PASS
Band66	15MHz	QPSK	132322	1RB#74	22.81	PASS
Band66	15MHz	QPSK	132322	1RB#38	22.99	PASS
Band66	15MHz	QPSK	132322	1RB#0	22.84	PASS
Band66	15MHz	QPSK	132322	36RB#0	21.77	PASS
Band66	15MHz	QPSK	132322	36RB#39	21.83	PASS

Band66	15MHz	QPSK	132322	36RB#18	21.79	PASS
Band66	15MHz	QPSK	132322	75RB#0	21.81	PASS
Band66	15MHz	QPSK	132597	1RB#74	22.79	PASS
Band66	15MHz	QPSK	132597	1RB#38	22.85	PASS
Band66	15MHz	QPSK	132597	1RB#0	22.86	PASS
Band66	15MHz	QPSK	132597	36RB#18	21.73	PASS
Band66	15MHz	QPSK	132597	36RB#0	21.72	PASS
Band66	15MHz	QPSK	132597	36RB#39	21.71	PASS
Band66	15MHz	QPSK	132597	75RB#0	21.72	PASS
Band66	15MHz	16QAM	132047	1RB#0	21.88	PASS
Band66	15MHz	16QAM	132047	1RB#74	21.83	PASS
Band66	15MHz	16QAM	132047	1RB#38	21.97	PASS
Band66	15MHz	16QAM	132047	36RB#0	20.79	PASS
Band66	15MHz	16QAM	132047	36RB#39	20.77	PASS
Band66	15MHz	16QAM	132047	36RB#18	20.76	PASS
Band66	15MHz	16QAM	132047	75RB#0	20.71	PASS
Band66	15MHz	16QAM	132322	1RB#38	22.06	PASS
Band66	15MHz	16QAM	132322	1RB#74	21.98	PASS
Band66	15MHz	16QAM	132322	1RB#0	21.82	PASS
Band66	15MHz	16QAM	132322	36RB#18	20.84	PASS
Band66	15MHz	16QAM	132322	36RB#0	20.83	PASS
Band66	15MHz	16QAM	132322	36RB#39	20.87	PASS
Band66	15MHz	16QAM	132322	75RB#0	20.89	PASS
Band66	15MHz	16QAM	132597	1RB#74	21.87	PASS
Band66	15MHz	16QAM	132597	1RB#0	21.87	PASS
Band66	15MHz	16QAM	132597	1RB#38	21.95	PASS
Band66	15MHz	16QAM	132597	36RB#0	20.79	PASS
Band66	15MHz	16QAM	132597	36RB#39	20.83	PASS
Band66	15MHz	16QAM	132597	36RB#18	20.80	PASS
Band66	15MHz	16QAM	132597	75RB#0	20.77	PASS
Band66	20MHz	QPSK	132072	1RB#99	22.68	PASS
Band66	20MHz	QPSK	132072	1RB#49	22.78	PASS
Band66	20MHz	QPSK	132072	1RB#0	22.85	PASS
Band66	20MHz	QPSK	132072	50RB#25	21.73	PASS
Band66	20MHz	QPSK	132072	50RB#0	21.76	PASS
Band66	20MHz	QPSK	132072	50RB#50	21.68	PASS
Band66	20MHz	QPSK	132072	100RB#0	21.70	PASS

Band66	20MHz	QPSK	132322	1RB#99	22.88	PASS
Band66	20MHz	QPSK	132322	1RB#0	22.81	PASS
Band66	20MHz	QPSK	132322	1RB#49	22.98	PASS
Band66	20MHz	QPSK	132322	50RB#25	21.79	PASS
Band66	20MHz	QPSK	132322	50RB#0	21.82	PASS
Band66	20MHz	QPSK	132322	50RB#50	21.92	PASS
Band66	20MHz	QPSK	132322	100RB#0	21.85	PASS
Band66	20MHz	QPSK	132572	1RB#0	22.91	PASS
Band66	20MHz	QPSK	132572	1RB#49	22.94	PASS
Band66	20MHz	QPSK	132572	1RB#99	22.87	PASS
Band66	20MHz	QPSK	132572	50RB#0	21.77	PASS
Band66	20MHz	QPSK	132572	50RB#25	21.77	PASS
Band66	20MHz	QPSK	132572	50RB#50	21.82	PASS
Band66	20MHz	QPSK	132572	100RB#0	21.78	PASS
Band66	20MHz	16QAM	132072	1RB#0	21.82	PASS
Band66	20MHz	16QAM	132072	1RB#49	21.86	PASS
Band66	20MHz	16QAM	132072	1RB#99	21.69	PASS
Band66	20MHz	16QAM	132072	50RB#50	20.77	PASS
Band66	20MHz	16QAM	132072	50RB#0	20.88	PASS
Band66	20MHz	16QAM	132072	50RB#25	20.86	PASS
Band66	20MHz	16QAM	132072	100RB#0	20.82	PASS
Band66	20MHz	16QAM	132322	1RB#0	21.69	PASS
Band66	20MHz	16QAM	132322	1RB#49	21.92	PASS
Band66	20MHz	16QAM	132322	1RB#99	21.92	PASS
Band66	20MHz	16QAM	132322	50RB#0	20.86	PASS
Band66	20MHz	16QAM	132322	50RB#50	21.04	PASS
Band66	20MHz	16QAM	132322	50RB#25	20.87	PASS
Band66	20MHz	16QAM	132322	100RB#0	20.88	PASS
Band66	20MHz	16QAM	132572	1RB#0	21.90	PASS
Band66	20MHz	16QAM	132572	1RB#99	21.79	PASS
Band66	20MHz	16QAM	132572	1RB#49	21.88	PASS
Band66	20MHz	16QAM	132572	50RB#0	20.86	PASS
Band66	20MHz	16QAM	132572	50RB#25	20.82	PASS
Band66	20MHz	16QAM	132572	50RB#50	20.86	PASS
Band66	20MHz	16QAM	132572	100RB#0	20.88	PASS

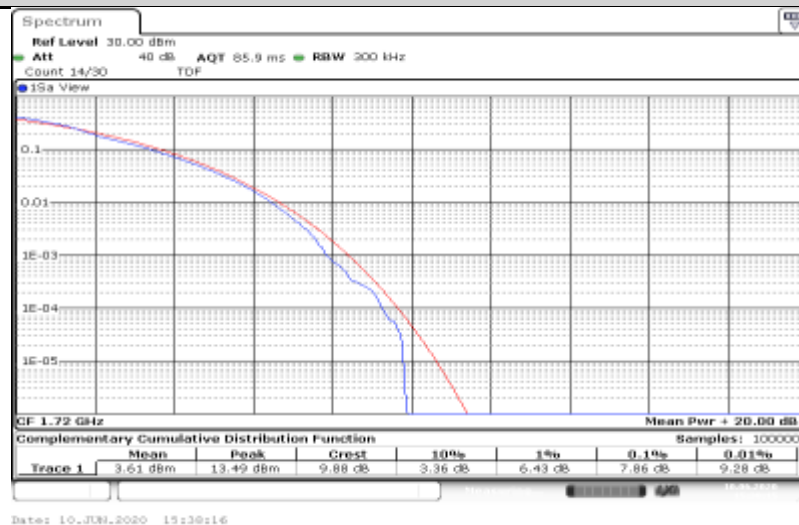
2. Peak-to-Average Ratio (CCDF)

2.1 Test Result

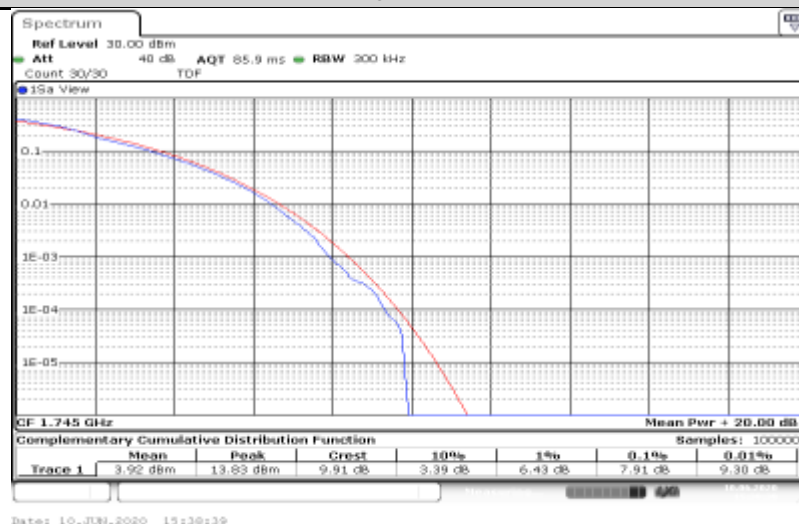
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band66	20MHz	QPSK	132072	100RB#0	7.86	13	PASS
Band66	20MHz	QPSK	132322	100RB#0	7.91	13	PASS
Band66	20MHz	QPSK	132572	100RB#0	7.88	13	PASS
Band66	20MHz	16QAM	132072	100RB#0	8.32	13	PASS
Band66	20MHz	16QAM	132322	100RB#0	8.29	13	PASS
Band66	20MHz	16QAM	132572	100RB#0	8.29	13	PASS

2.2 Test Graphs

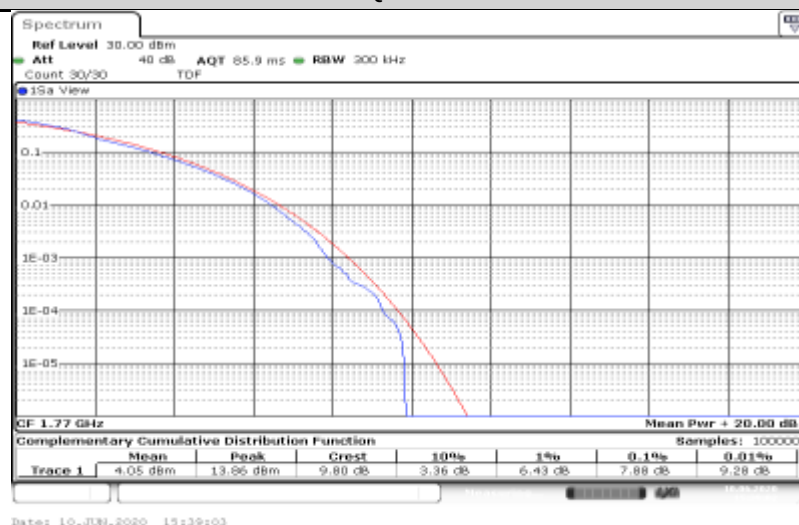
Band66-20MHz-QPSK-132072-100RB#0



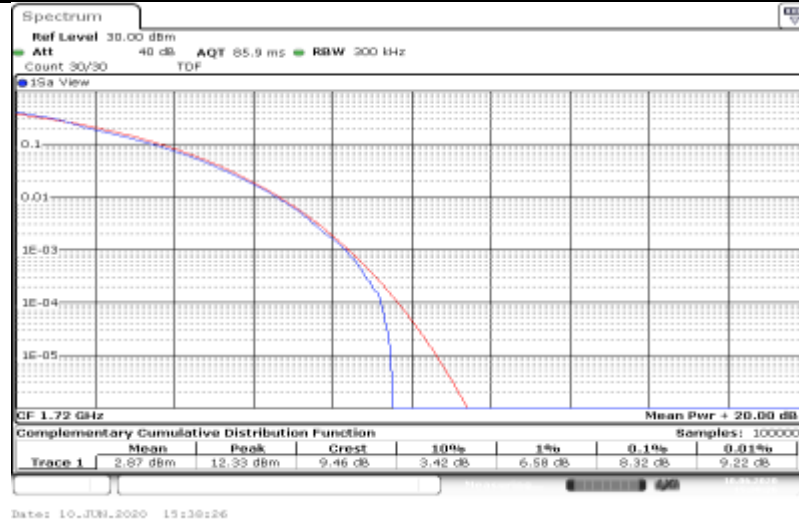
Band66-20MHz-QPSK-132322-100RB#0



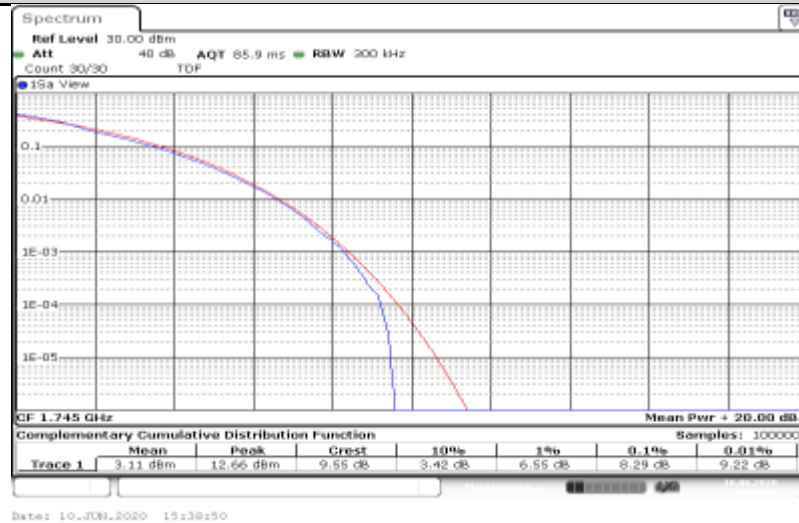
Band66-20MHz-QPSK-132572-100RB#0



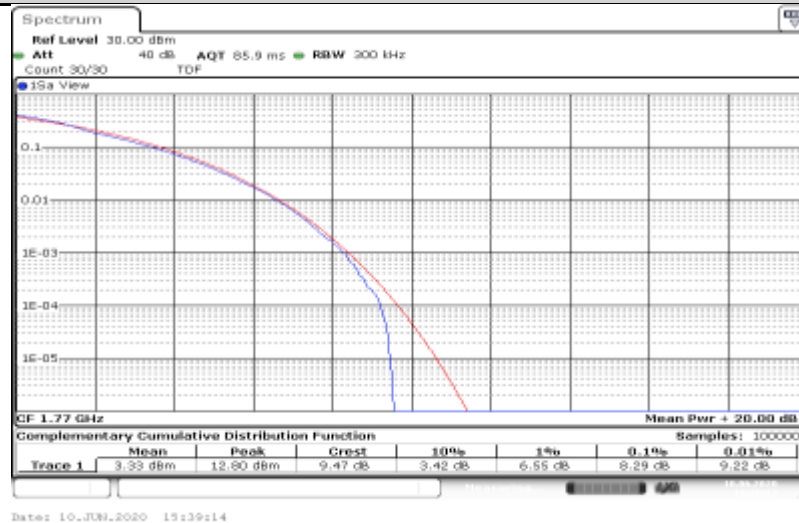
Band66-20MHz-16QAM-132072-100RB#0



Band66-20MHz-16QAM-132322-100RB#0



Band66-20MHz-16QAM-132572-100RB#0



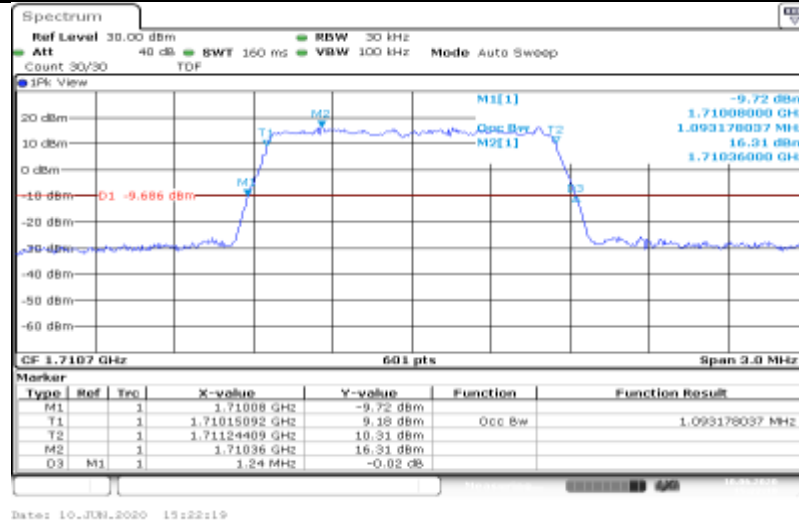
3. 26dB Bandwidth and Occupied Bandwidth

3.1 Test Result

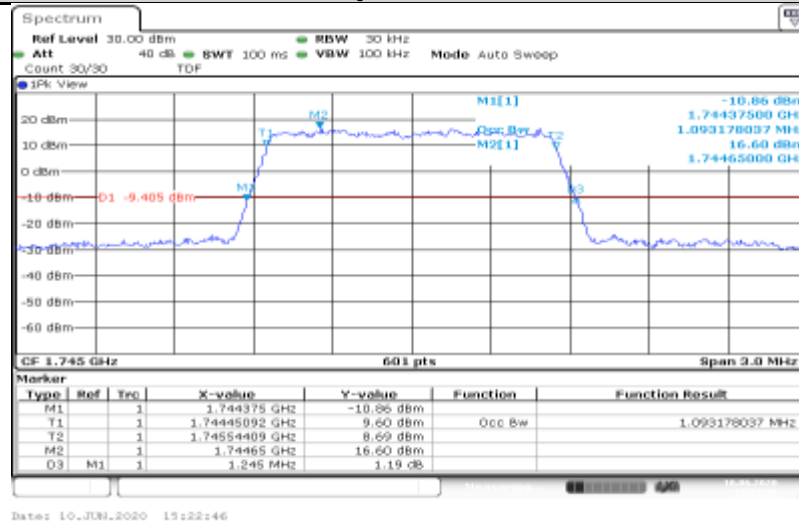
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band66	1.4MHz	QPSK	131979	6RB#0	1.093	1.240	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	1.093	1.245	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	1.088	1.250	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	1.098	1.250	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	1.098	1.250	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	1.093	1.245	PASS
Band66	3MHz	QPSK	131987	15RB#0	2.705	3.000	PASS
Band66	3MHz	QPSK	132322	15RB#0	2.705	3.020	PASS
Band66	3MHz	QPSK	132657	15RB#0	2.705	3.010	PASS
Band66	3MHz	16QAM	131987	15RB#0	2.696	3.000	PASS
Band66	3MHz	16QAM	132322	15RB#0	2.696	3.000	PASS
Band66	3MHz	16QAM	132657	15RB#0	2.696	3.000	PASS
Band66	5MHz	QPSK	131997	25RB#0	4.476	4.930	PASS
Band66	5MHz	QPSK	132322	25RB#0	4.486	4.930	PASS
Band66	5MHz	QPSK	132647	25RB#0	4.476	4.950	PASS
Band66	5MHz	16QAM	131997	25RB#0	4.476	4.870	PASS
Band66	5MHz	16QAM	132322	25RB#0	4.476	4.850	PASS
Band66	5MHz	16QAM	132647	25RB#0	4.476	4.860	PASS
Band66	10MHz	QPSK	132022	50RB#0	8.952	9.767	PASS
Band66	10MHz	QPSK	132322	50RB#0	8.952	9.733	PASS
Band66	10MHz	QPSK	132622	50RB#0	8.952	9.733	PASS
Band66	10MHz	16QAM	132022	50RB#0	8.918	9.633	PASS
Band66	10MHz	16QAM	132322	50RB#0	8.952	9.700	PASS
Band66	10MHz	16QAM	132622	50RB#0	8.952	9.667	PASS
Band66	15MHz	QPSK	132047	75RB#0	13.478	14.900	PASS
Band66	15MHz	QPSK	132322	75RB#0	13.478	14.850	PASS
Band66	15MHz	QPSK	132597	75RB#0	13.527	14.850	PASS
Band66	15MHz	16QAM	132047	75RB#0	13.478	14.750	PASS
Band66	15MHz	16QAM	132322	75RB#0	13.527	14.750	PASS
Band66	15MHz	16QAM	132597	75RB#0	13.527	14.800	PASS
Band66	20MHz	QPSK	132072	100RB#0	17.903	19.533	PASS
Band66	20MHz	QPSK	132322	100RB#0	17.903	19.533	PASS
Band66	20MHz	QPSK	132572	100RB#0	17.903	19.467	PASS
Band66	20MHz	16QAM	132072	100RB#0	17.97	19.533	PASS
Band66	20MHz	16QAM	132322	100RB#0	17.97	19.400	PASS
Band66	20MHz	16QAM	132572	100RB#0	17.97	19.467	PASS

3.2 Test Graphs

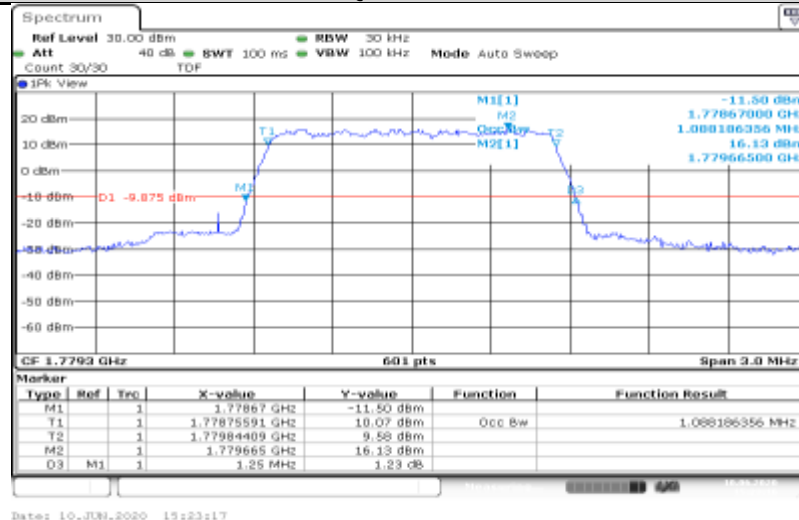
Band66-1.4MHz-QPSK-131979-6RB#0-1.093



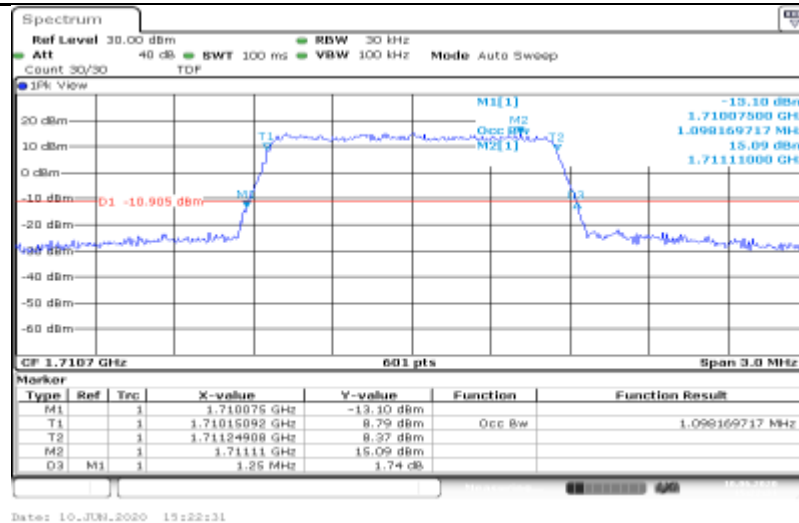
Band66-1.4MHz-QPSK-132322-6RB#0-1.093



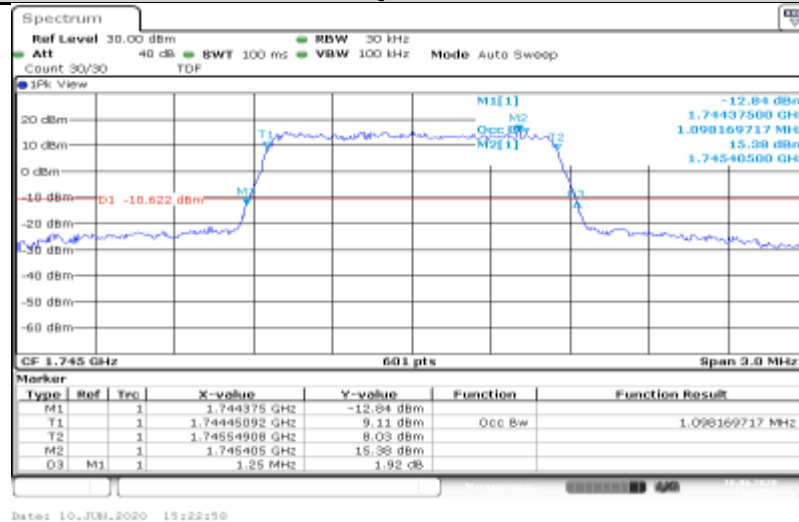
Band66-1.4MHz-QPSK-132665-6RB#0-1.088



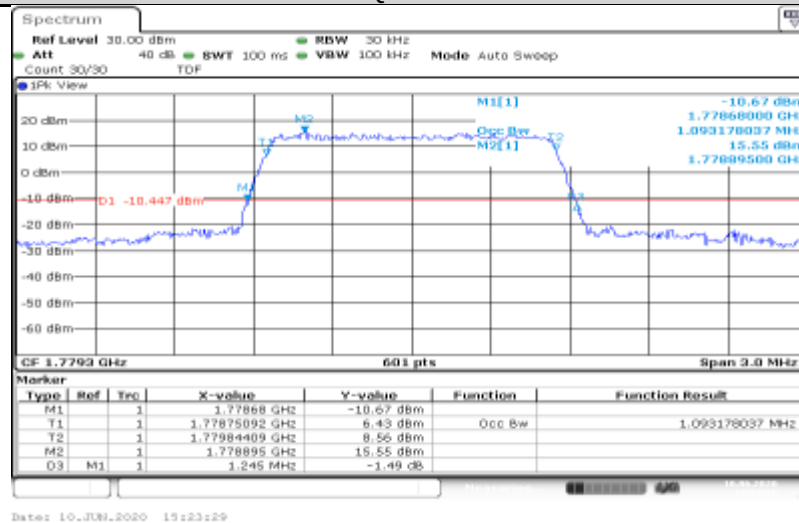
Band66-1.4MHz-16QAM-131979-6RB#0-1.098



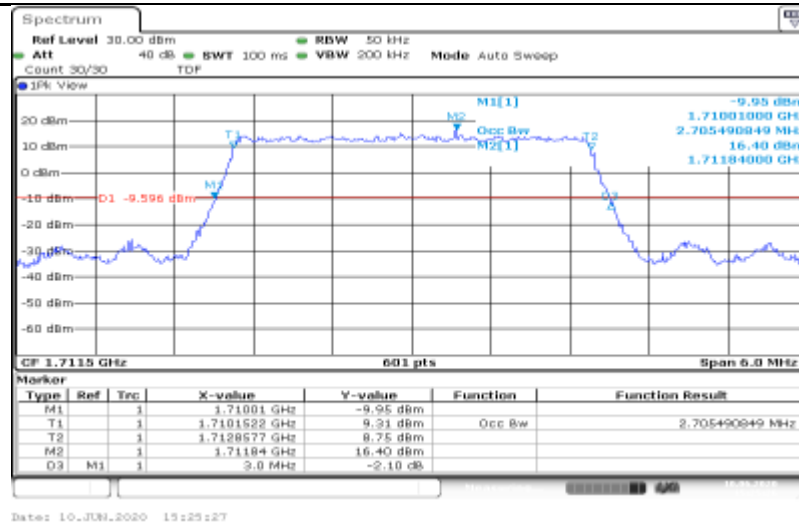
Band66-1.4MHz-16QAM-132322-6RB#0-1.098



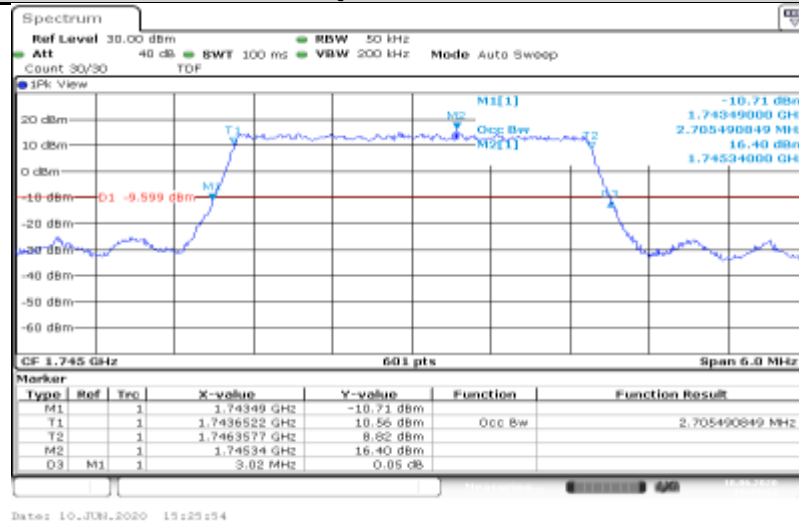
Band66-1.4MHz-16QAM-132665-6RB#0-1.093



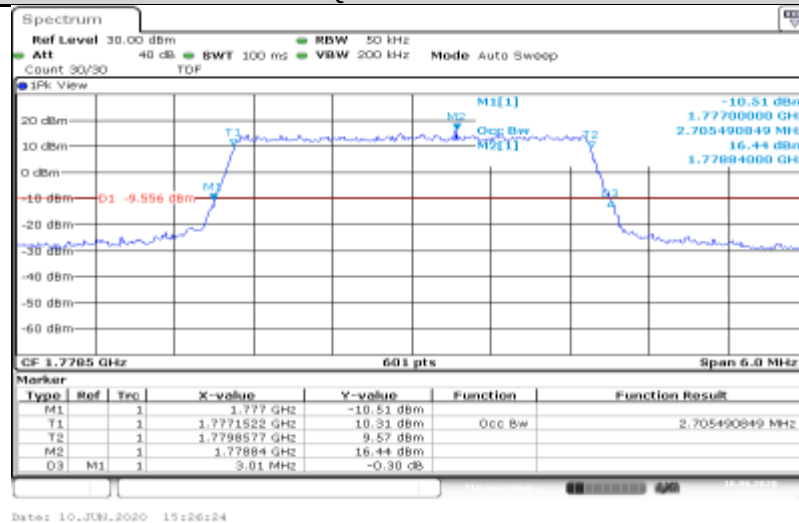
Band66-3MHz-QPSK-131987-15RB#0-2.705



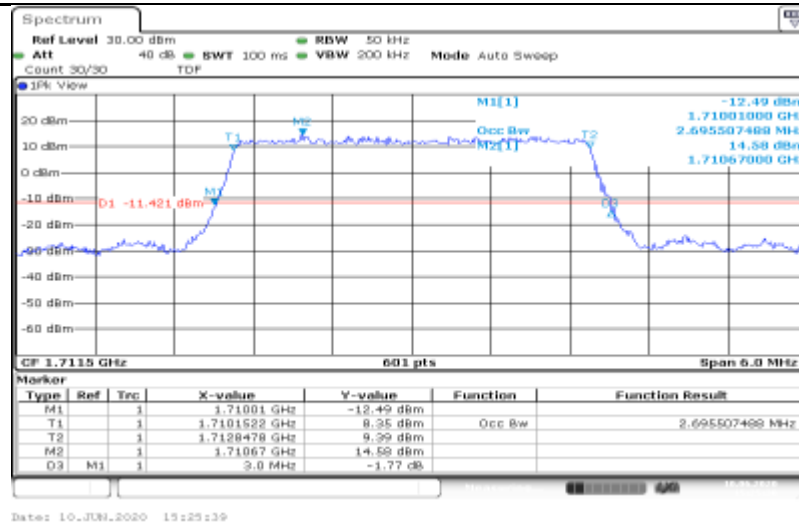
Band66-3MHz-QPSK-132322-15RB#0-2.705



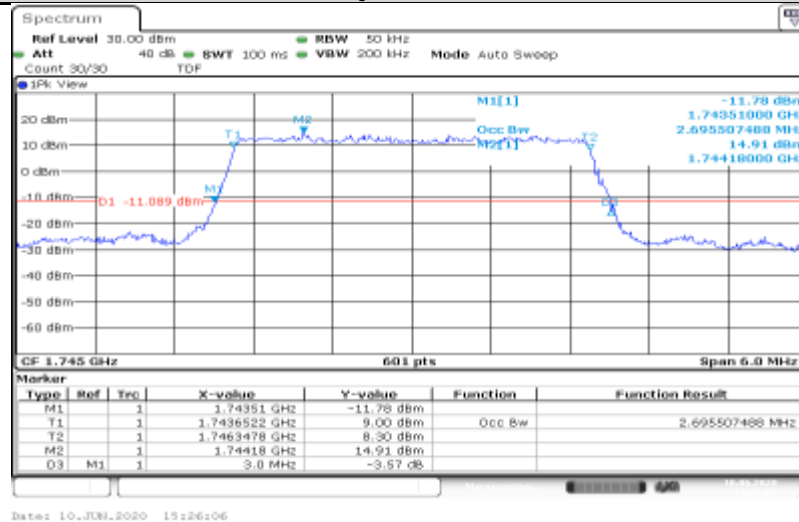
Band66-3MHz-QPSK-132657-15RB#0-2.705



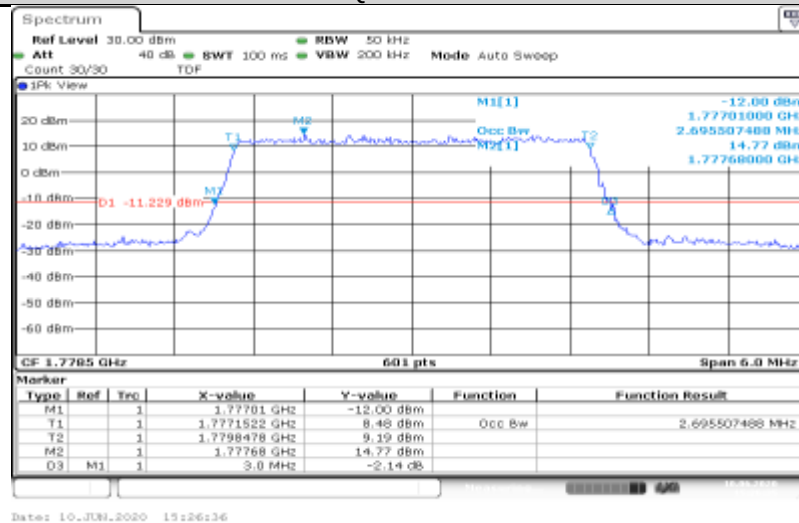
Band66-3MHz-16QAM-131987-15RB#0-2.696



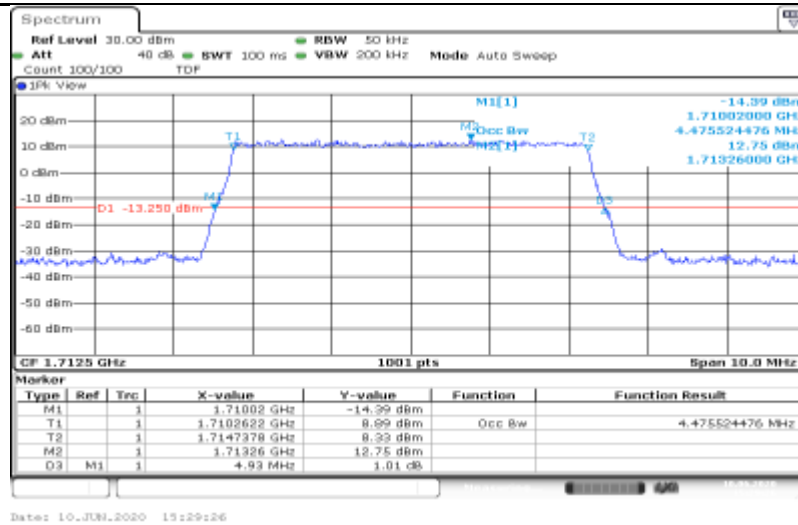
Band66-3MHz-16QAM-132322-15RB#0-2.696



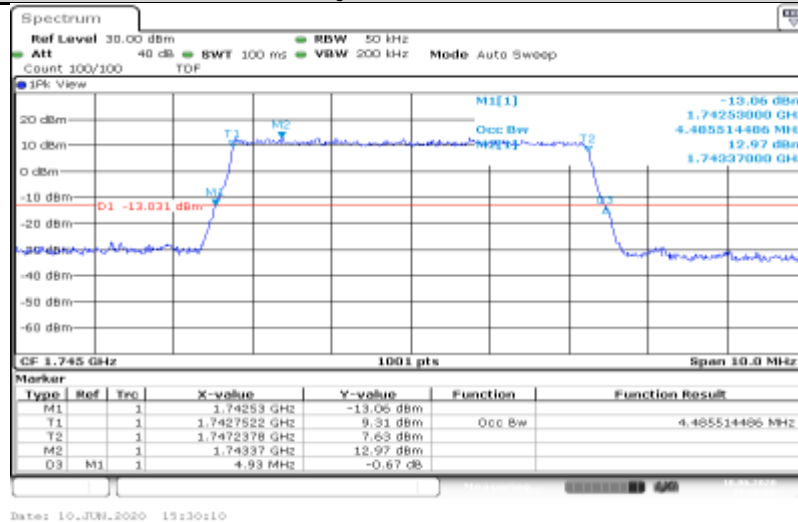
Band66-3MHz-16QAM-132657-15RB#0-2.696



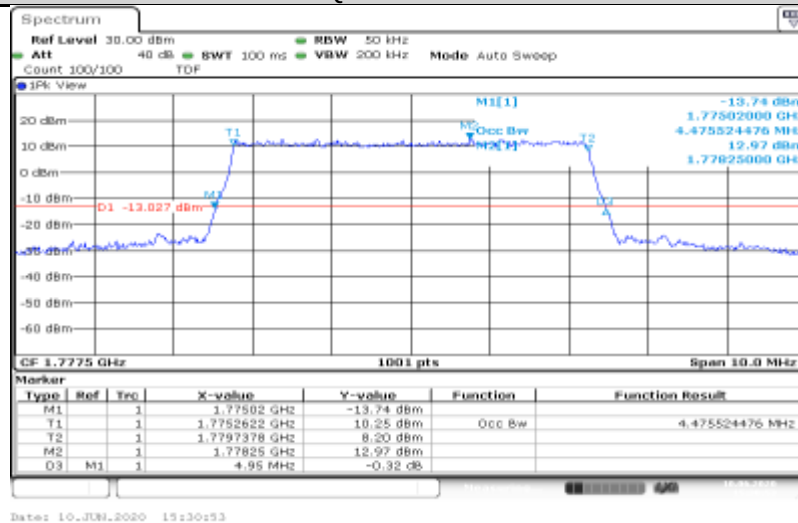
Band66-5MHz-QPSK-131997-25RB#0-4.476



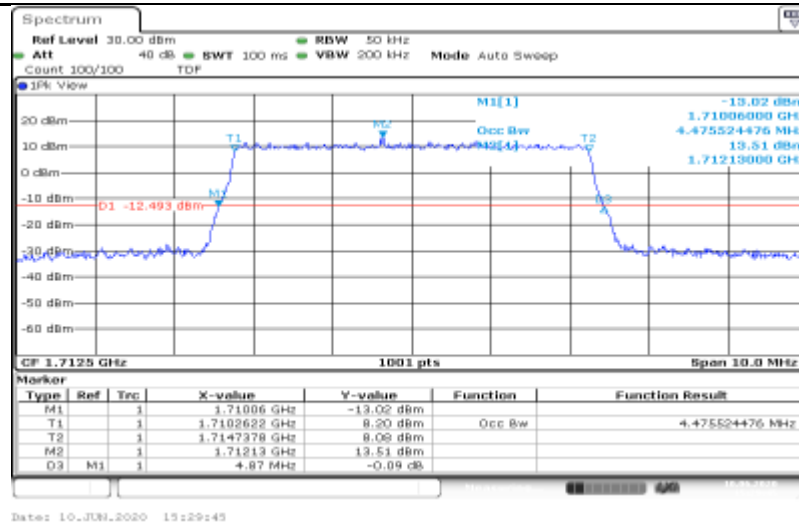
Band66-5MHz-QPSK-132322-25RB#0-4.486



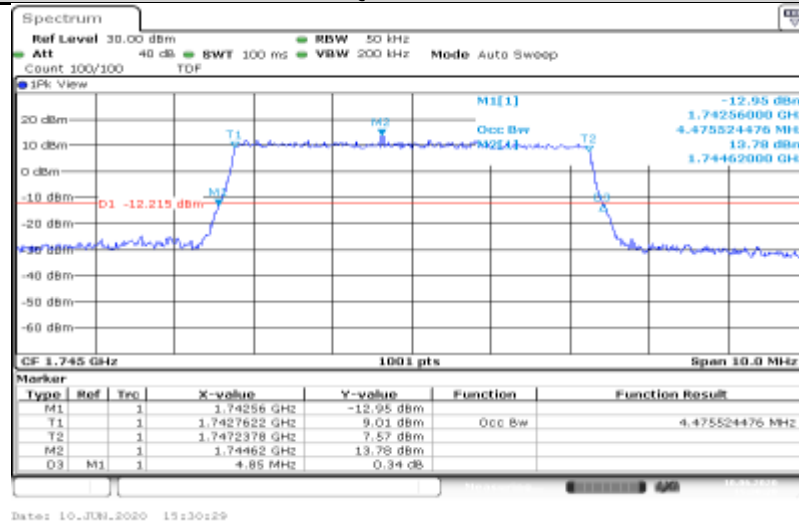
Band66-5MHz-QPSK-132647-25RB#0-4.476



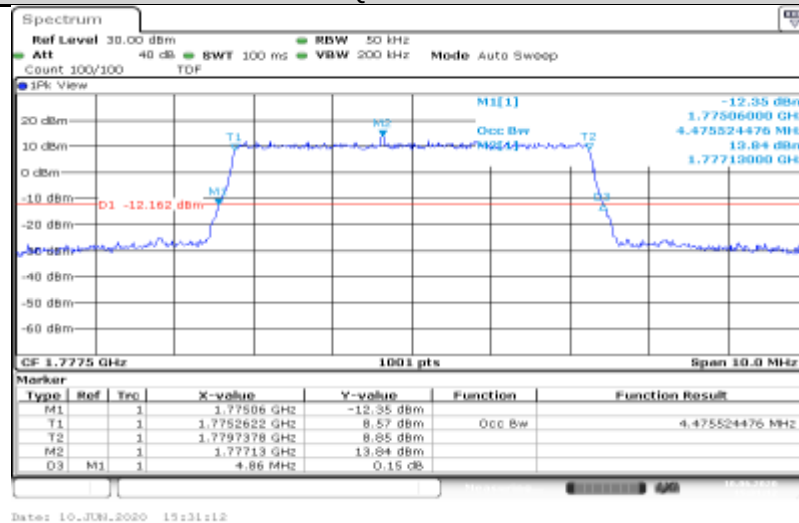
Band66-5MHz-16QAM-131997-25RB#0-4.476



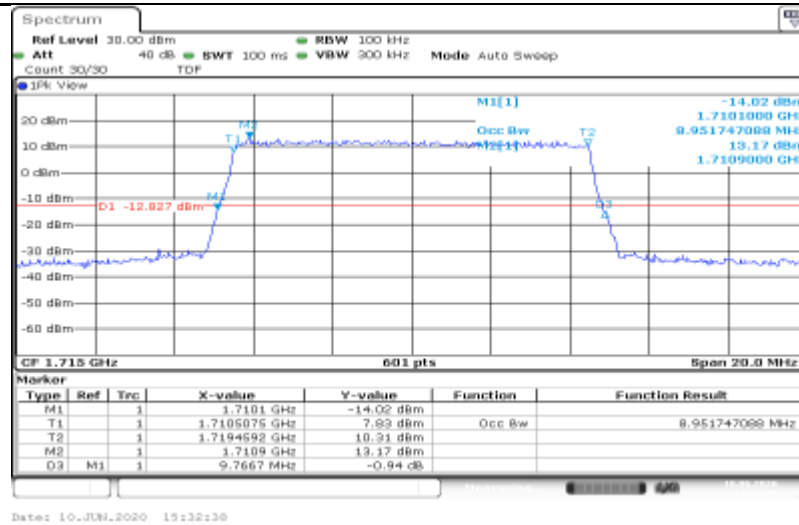
Band66-5MHz-16QAM-132322-25RB#0-4.476



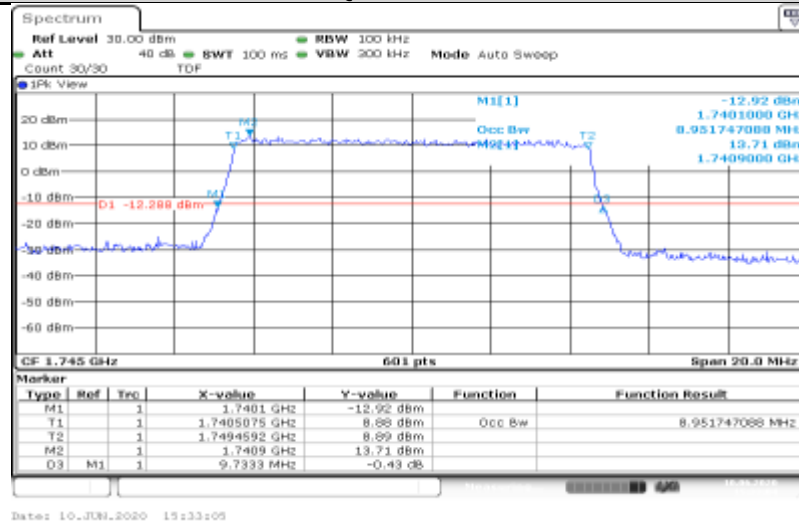
Band66-5MHz-16QAM-132647-25RB#0-4.476



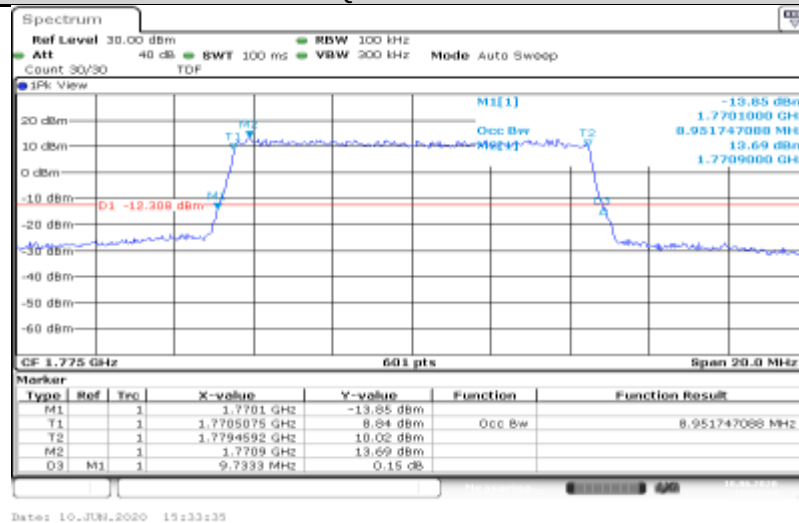
Band66-10MHz-QPSK-132022-50RB#0-8.952



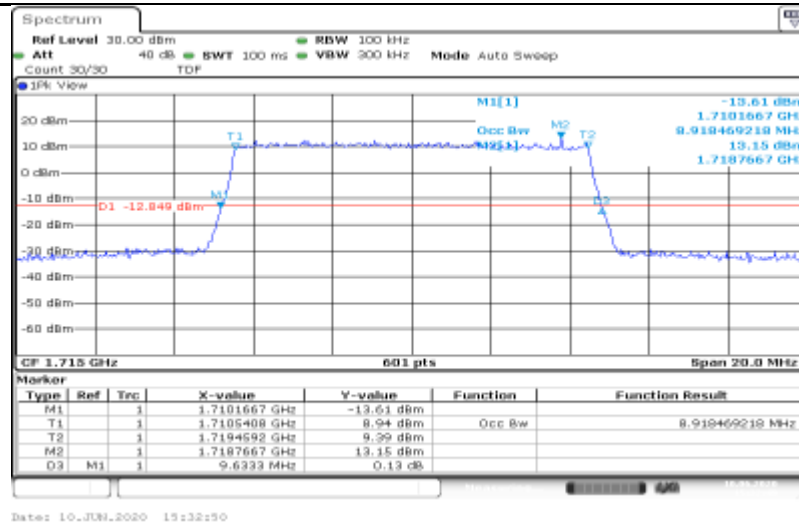
Band66-10MHz-QPSK-132322-50RB#0-8.952



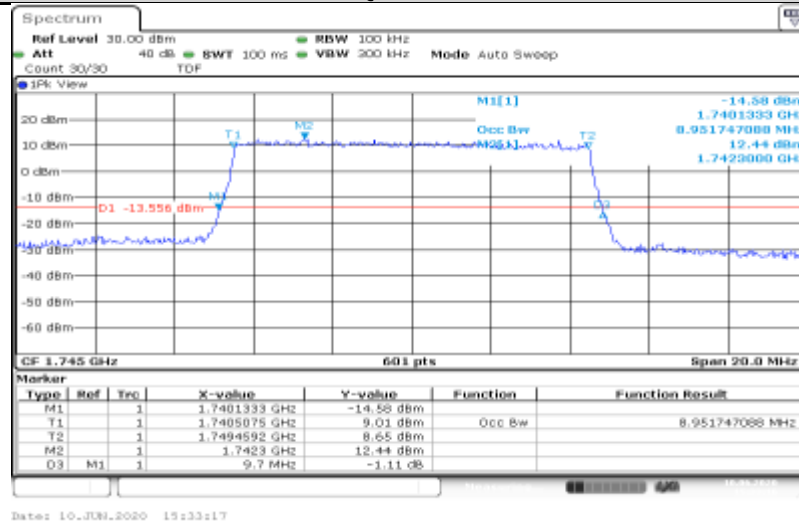
Band66-10MHz-QPSK-132622-50RB#0-8.952



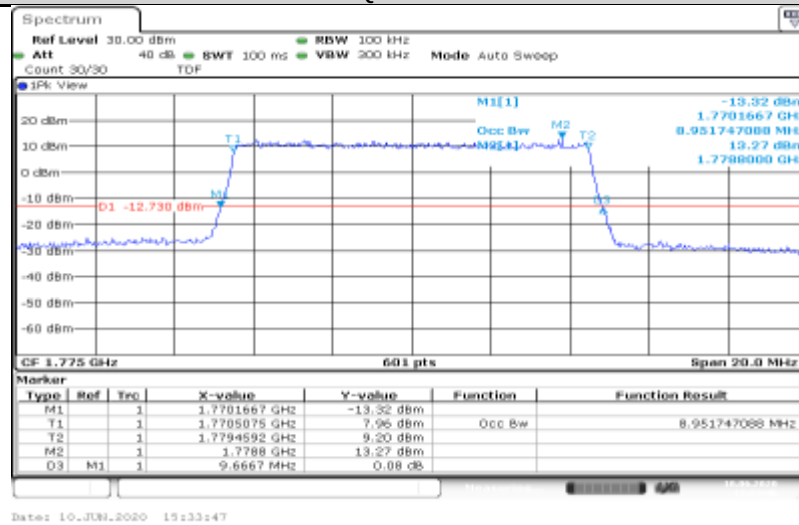
Band66-10MHz-16QAM-132022-50RB#0-8.918



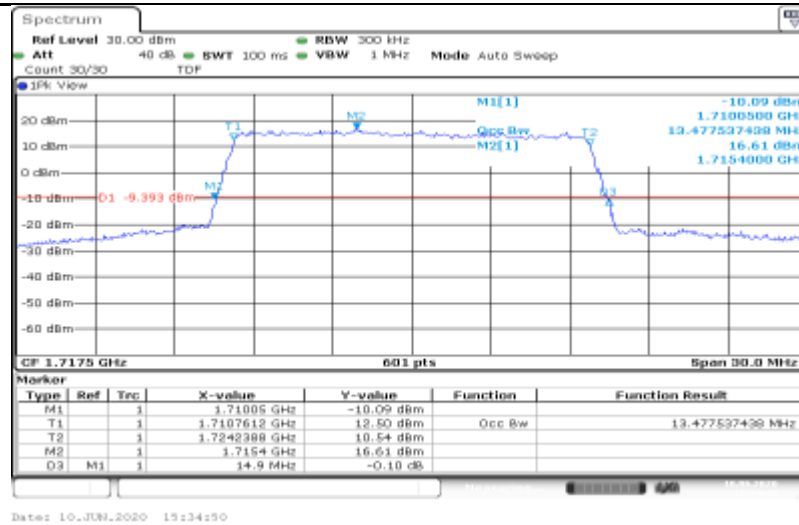
Band66-10MHz-16QAM-132322-50RB#0-8.952



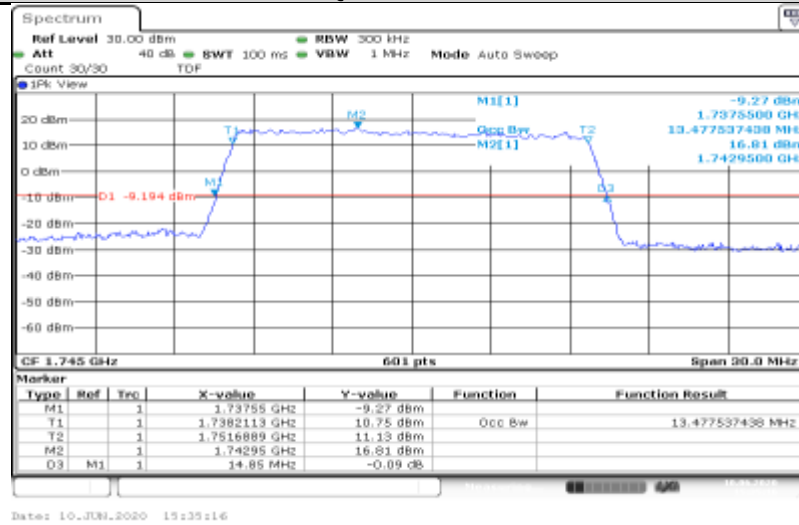
Band66-10MHz-16QAM-132622-50RB#0-8.952



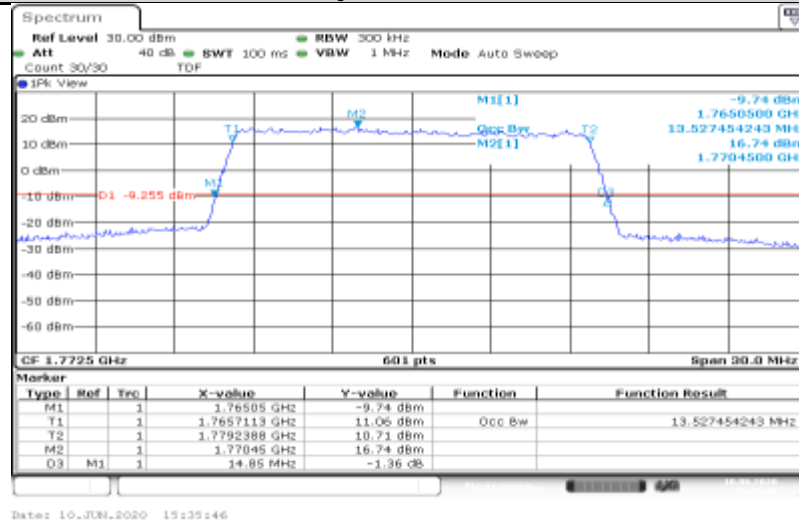
Band66-15MHz-QPSK-132047-75RB#0-13.478



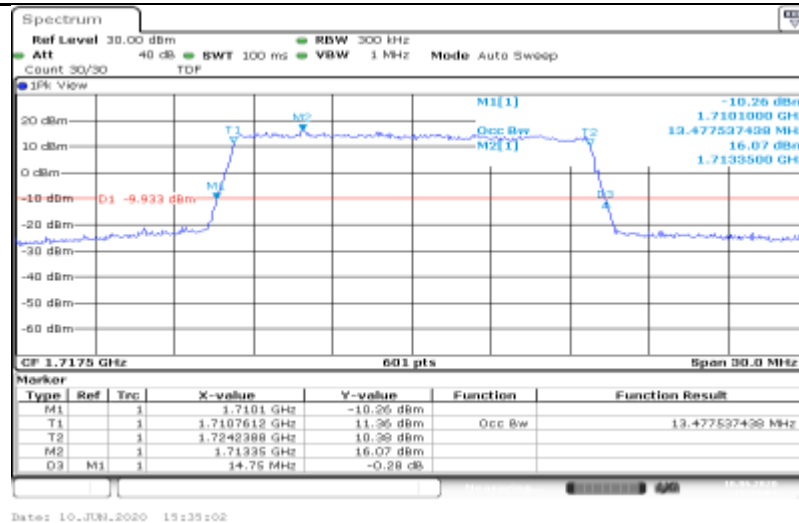
Band66-15MHz-QPSK-132322-75RB#0-13.478



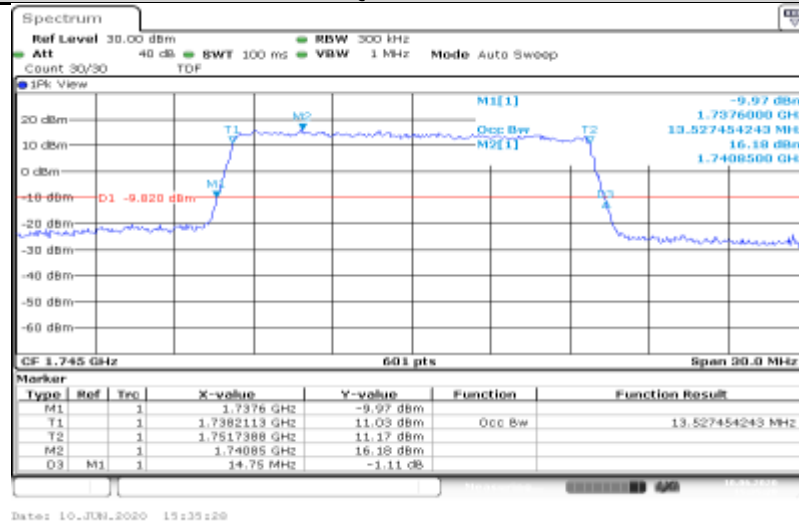
Band66-15MHz-QPSK-132597-75RB#0-13.527



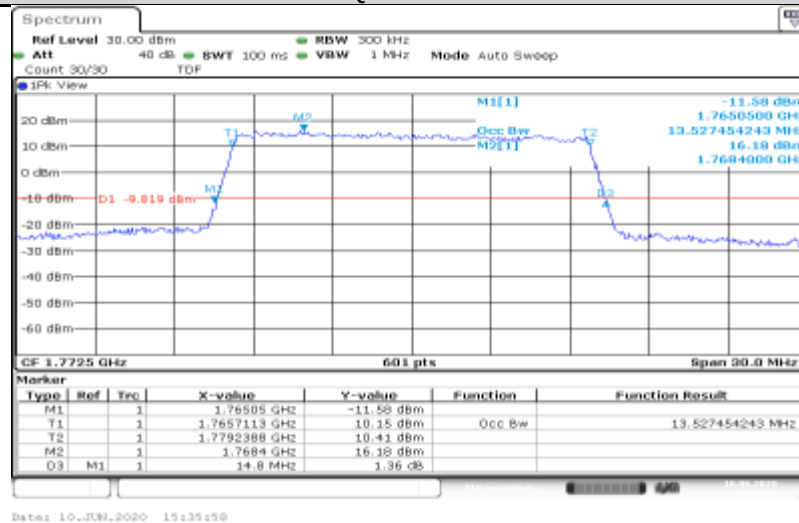
Band66-15MHz-16QAM-132047-75RB#0-13.478



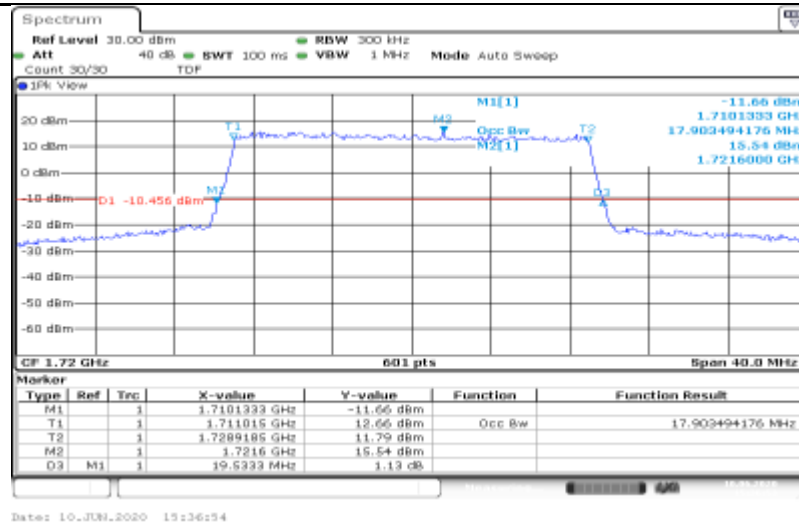
Band66-15MHz-16QAM-132322-75RB#0-13.527



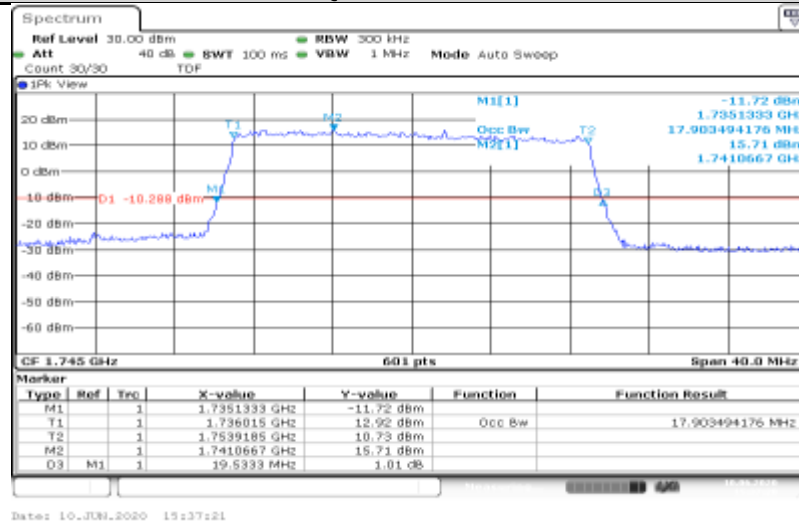
Band66-15MHz-16QAM-132597-75RB#0-13.527



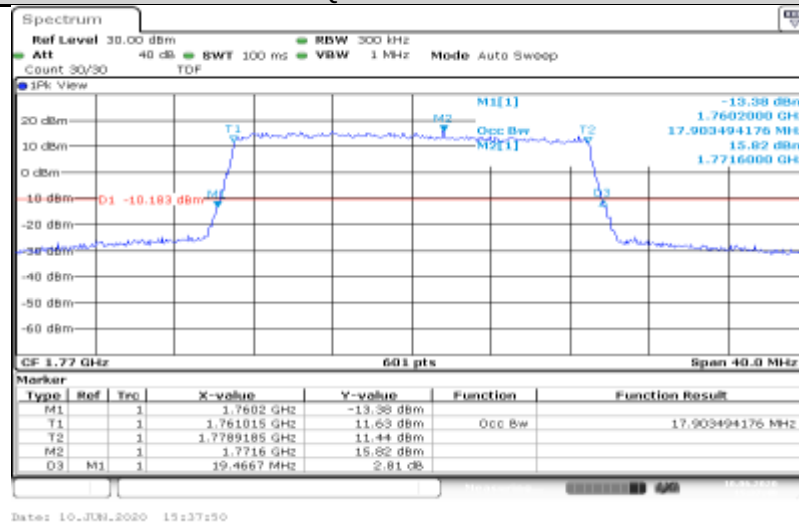
Band66-20MHz-QPSK-132072-100RB#0-17.903



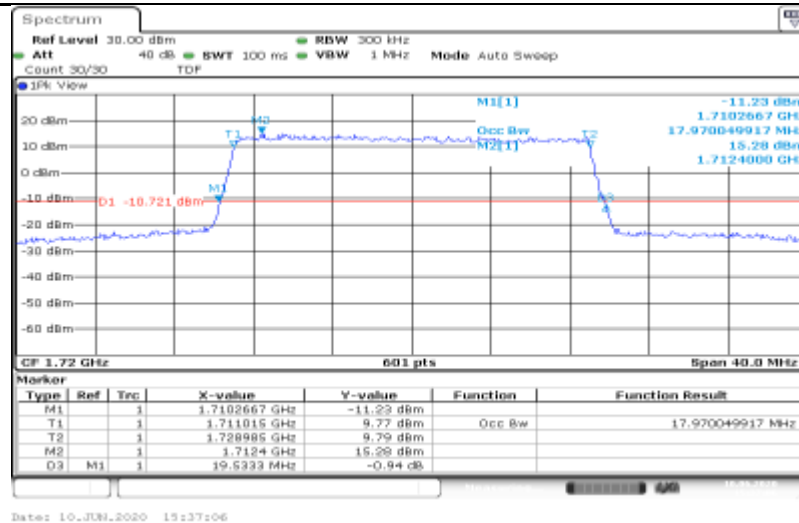
Band66-20MHz-QPSK-132322-100RB#0-17.903



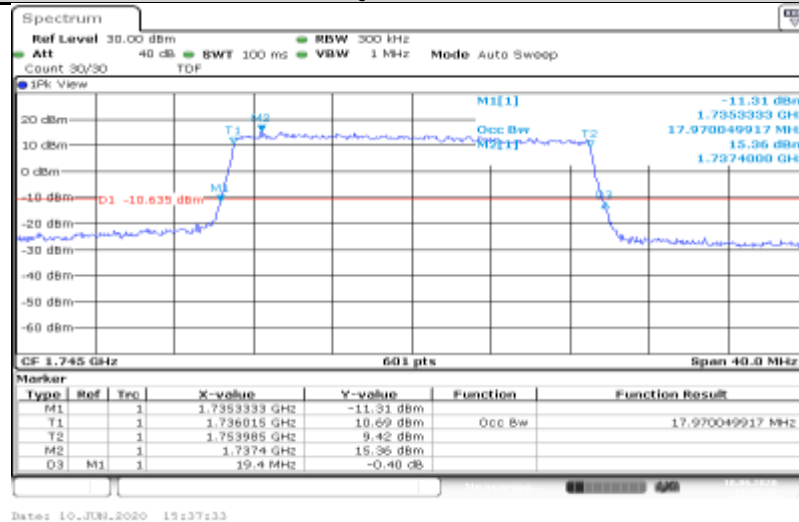
Band66-20MHz-QPSK-132572-100RB#0-17.903



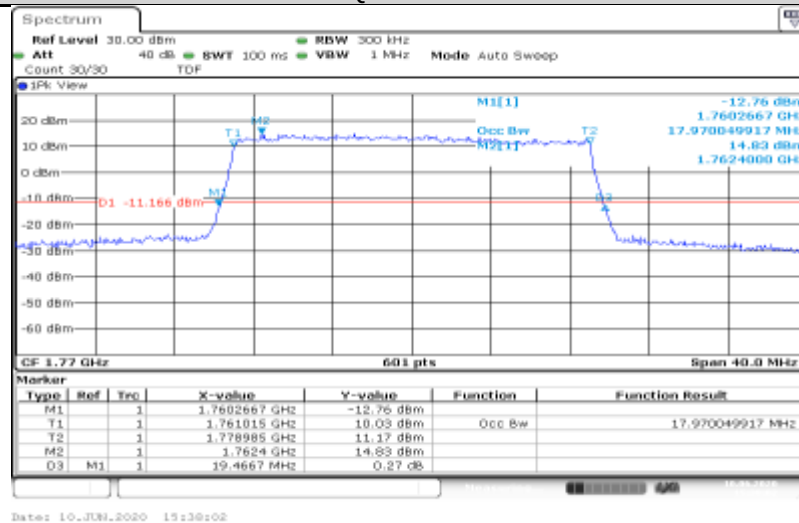
Band66-20MHz-16QAM-132072-100RB#0-17.97



Band66-20MHz-16QAM-132322-100RB#0-17.97



Band66-20MHz-16QAM-132572-100RB#0-17.97



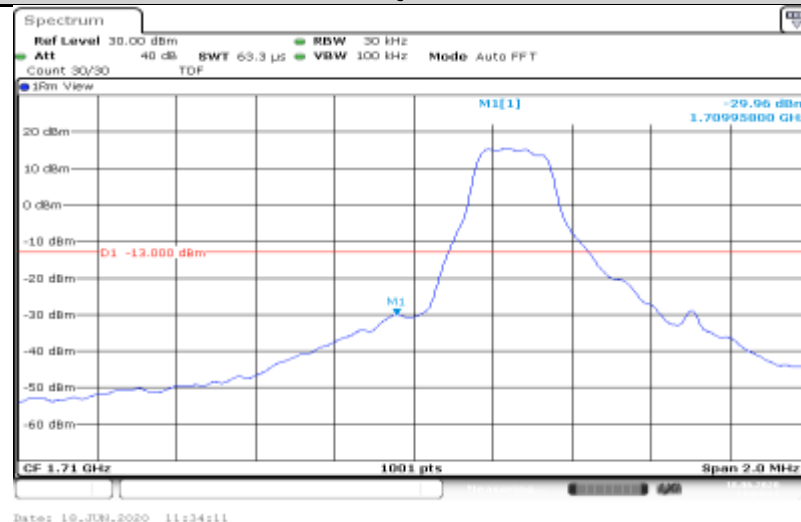
4. Band Edge

4.1 Test Result

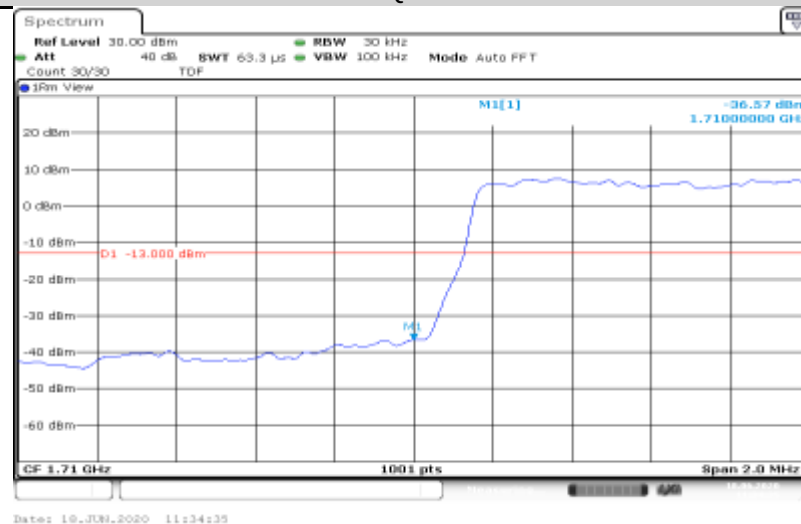
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band66	1.4MHz	QPSK	131979	1RB#0	-29.96	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	-36.57	PASS
Band66	1.4MHz	QPSK	132665	1RB#5	-29.27	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	-31.46	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	-28.03	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	-36.38	PASS
Band66	1.4MHz	16QAM	132665	1RB#5	-31.26	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	-33.75	PASS
Band66	3MHz	QPSK	131987	1RB#0	-19.48	PASS
Band66	3MHz	QPSK	131987	15RB#0	-25.12	PASS
Band66	3MHz	QPSK	132657	1RB#14	-17.62	PASS
Band66	3MHz	QPSK	132657	15RB#0	-26.28	PASS
Band66	3MHz	16QAM	131987	1RB#0	-20.46	PASS
Band66	3MHz	16QAM	131987	15RB#0	-27.91	PASS
Band66	3MHz	16QAM	132657	1RB#14	-19.31	PASS
Band66	3MHz	16QAM	132657	15RB#0	-26.07	PASS
Band66	5MHz	QPSK	131997	1RB#0	-25.26	PASS
Band66	5MHz	QPSK	131997	25RB#0	-31.04	PASS
Band66	5MHz	QPSK	132647	1RB#24	-22.32	PASS
Band66	5MHz	QPSK	132647	25RB#0	-29.61	PASS
Band66	5MHz	16QAM	131997	1RB#0	-25.59	PASS
Band66	5MHz	16QAM	131997	25RB#0	-32.53	PASS
Band66	5MHz	16QAM	132647	1RB#24	-25.24	PASS
Band66	5MHz	16QAM	132647	25RB#0	-32.77	PASS
Band66	10MHz	QPSK	132022	1RB#0	-34.81	PASS
Band66	10MHz	QPSK	132022	50RB#0	-34.45	PASS
Band66	10MHz	QPSK	132622	1RB#49	-32.57	PASS
Band66	10MHz	QPSK	132622	50RB#0	-33.23	PASS
Band66	10MHz	16QAM	132022	1RB#0	-35.54	PASS
Band66	10MHz	16QAM	132022	50RB#0	-35.30	PASS
Band66	10MHz	16QAM	132622	1RB#49	-36.01	PASS
Band66	10MHz	16QAM	132622	50RB#0	-36.00	PASS
Band66	15MHz	QPSK	132047	1RB#0	-23.04	PASS
Band66	15MHz	QPSK	132047	75RB#0	-28.85	PASS
Band66	15MHz	QPSK	132597	1RB#74	-29.88	PASS
Band66	15MHz	QPSK	132597	75RB#0	-29.83	PASS
Band66	15MHz	16QAM	132047	1RB#0	-27.58	PASS
Band66	15MHz	16QAM	132047	75RB#0	-33.91	PASS
Band66	15MHz	16QAM	132597	1RB#74	-21.85	PASS
Band66	15MHz	16QAM	132597	75RB#0	-36.09	PASS
Band66	20MHz	QPSK	132072	1RB#0	-32.36	PASS
Band66	20MHz	QPSK	132072	100RB#0	-30.93	PASS
Band66	20MHz	QPSK	132572	1RB#99	-36.01	PASS
Band66	20MHz	QPSK	132572	100RB#0	-34.61	PASS
Band66	20MHz	16QAM	132072	1RB#0	-32.11	PASS
Band66	20MHz	16QAM	132072	100RB#0	-32.69	PASS
Band66	20MHz	16QAM	132572	1RB#99	-30.09	PASS
Band66	20MHz	16QAM	132572	100RB#0	-36.75	PASS

4.2 Test Graphs

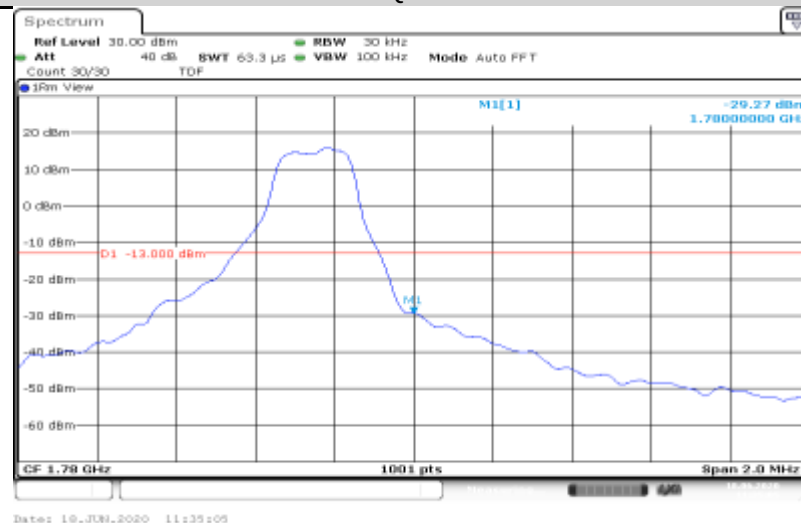
Band66-1.4MHz-QPSK-131979-1RB#0



Band66-1.4MHz-QPSK-131979-6RB#0



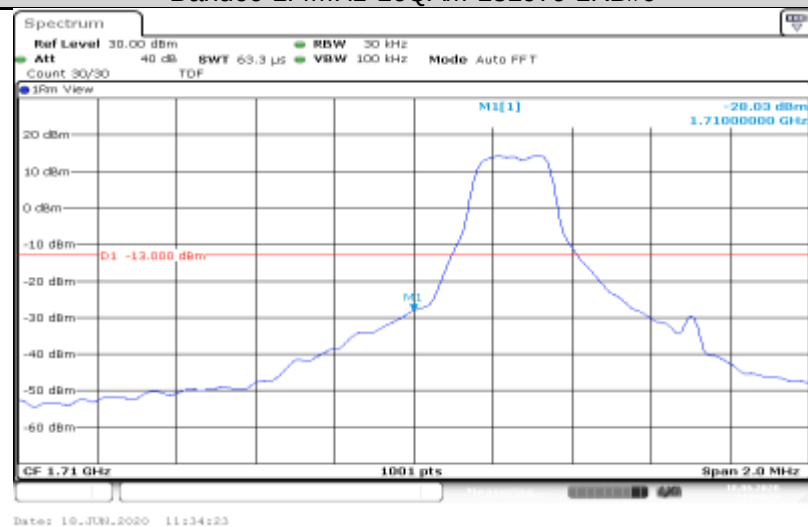
Band66-1.4MHz-QPSK-132665-1RB#5



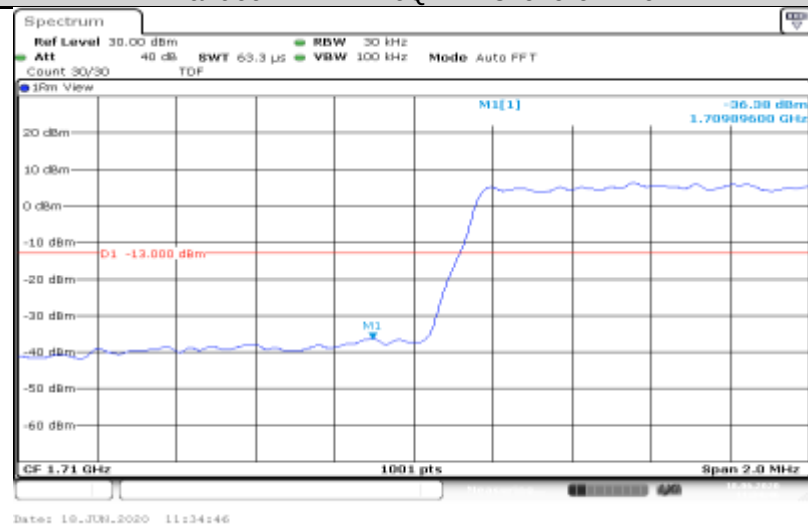
Band66-1.4MHz-QPSK-132665-6RB#0



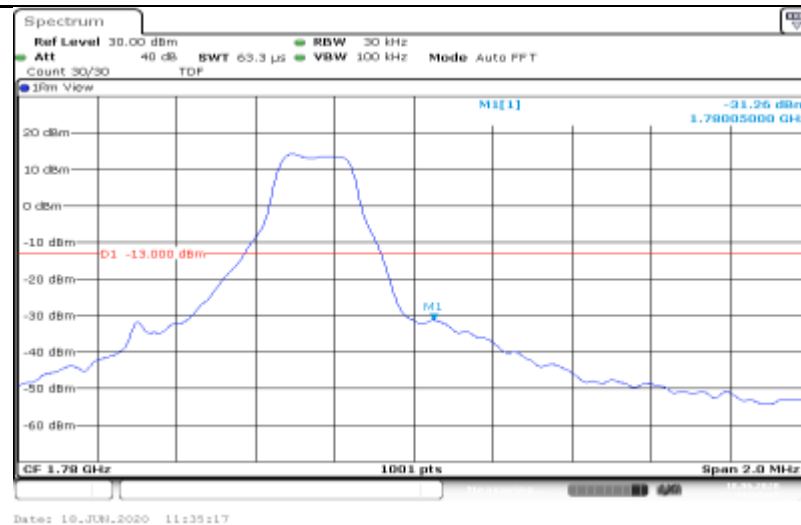
Band66-1.4MHz-16QAM-131979-1RB#0



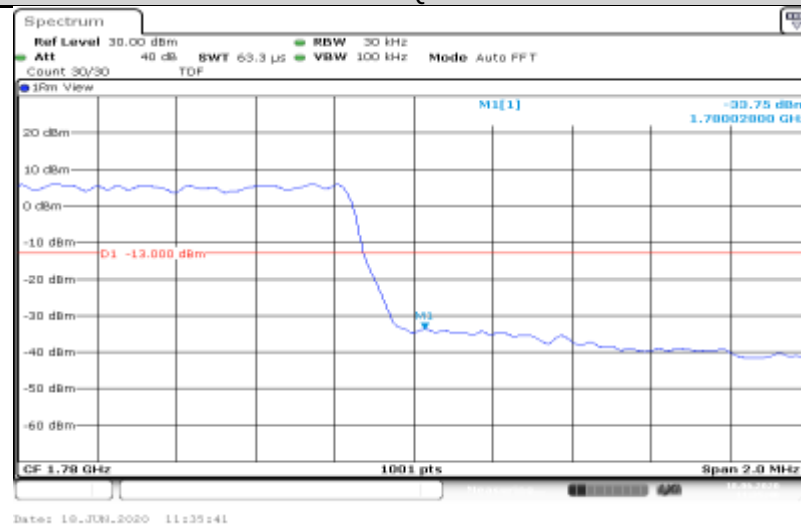
Band66-1.4MHz-16QAM-131979-6RB#0



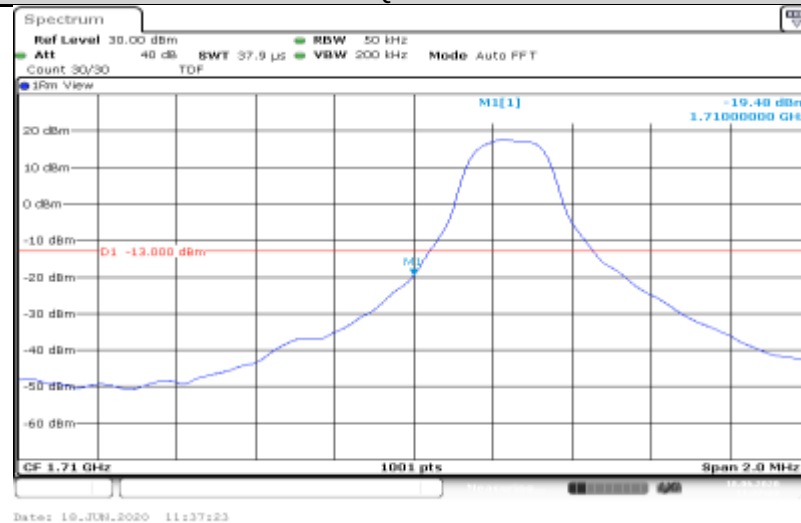
Band66-1.4MHz-16QAM-132665-1RB#5



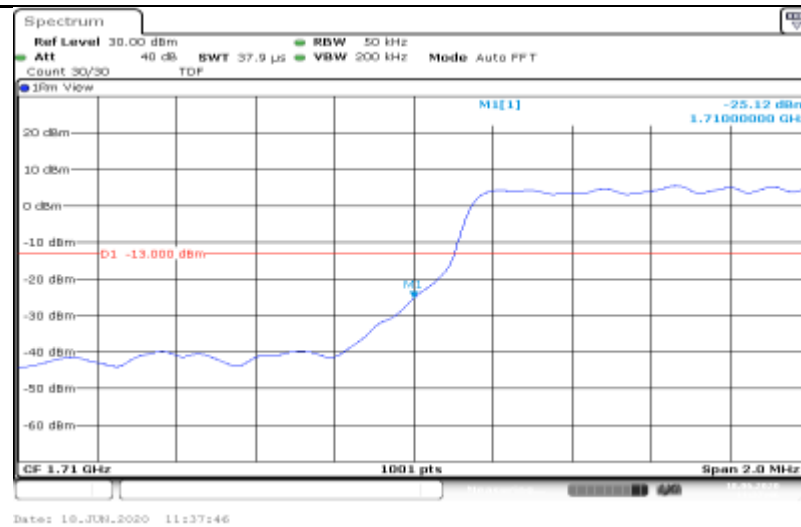
Band66-1.4MHz-16QAM-132665-6RB#0



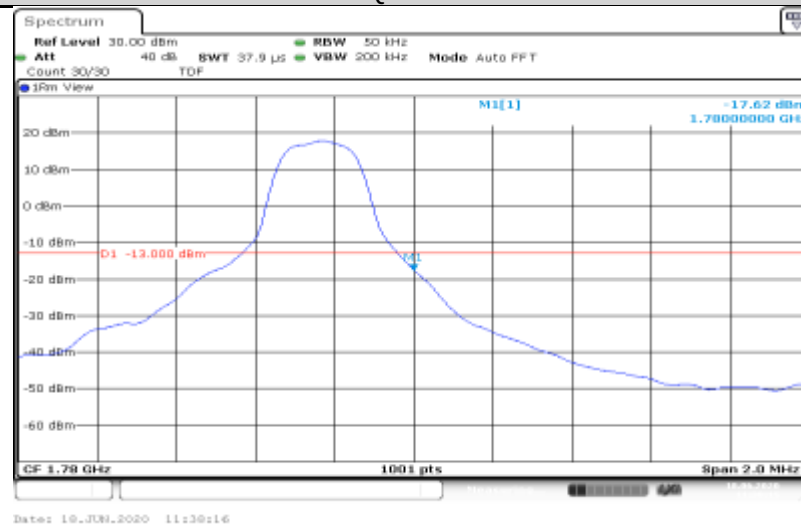
Band66-3MHz-QPSK-131987-1RB#0



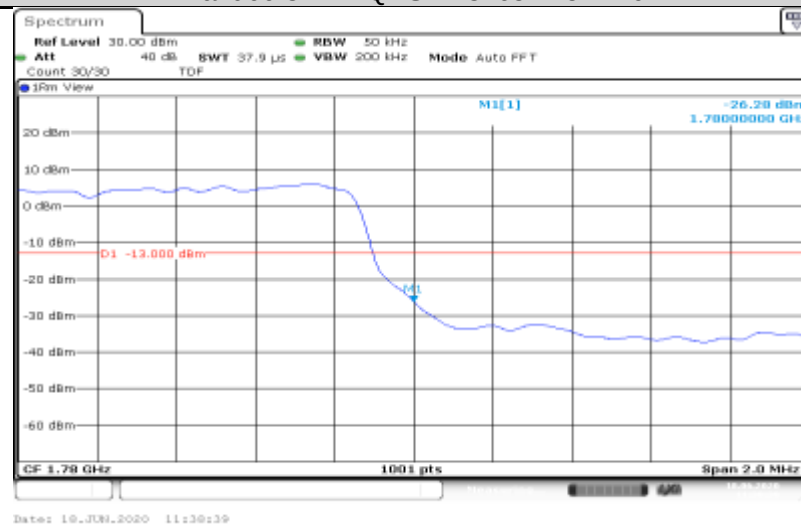
Band66-3MHz-QPSK-131987-15RB#0



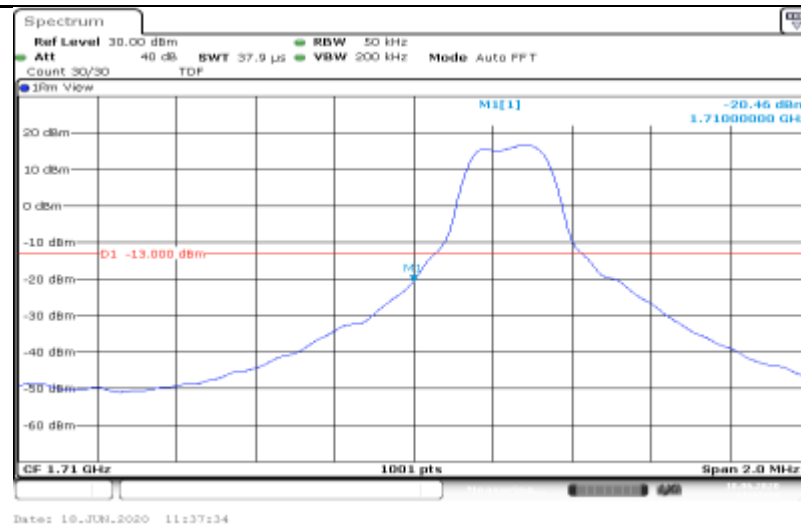
Band66-3MHz-QPSK-132657-1RB#14



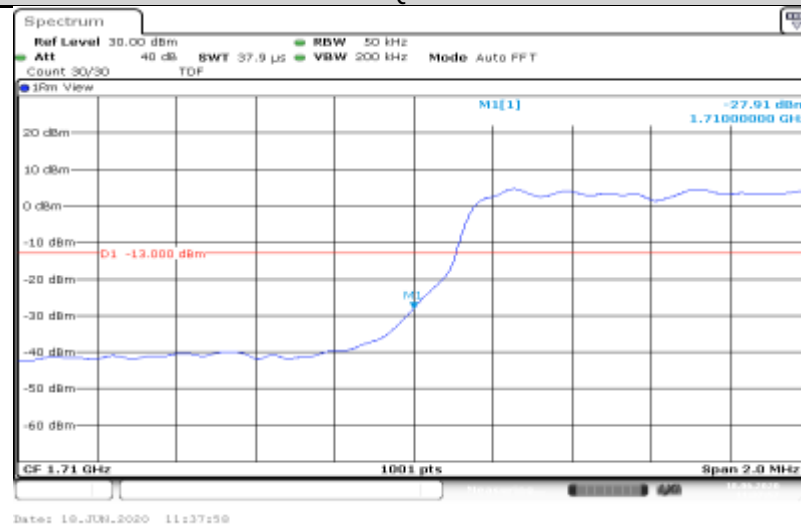
Band66-3MHz-QPSK-132657-15RB#0



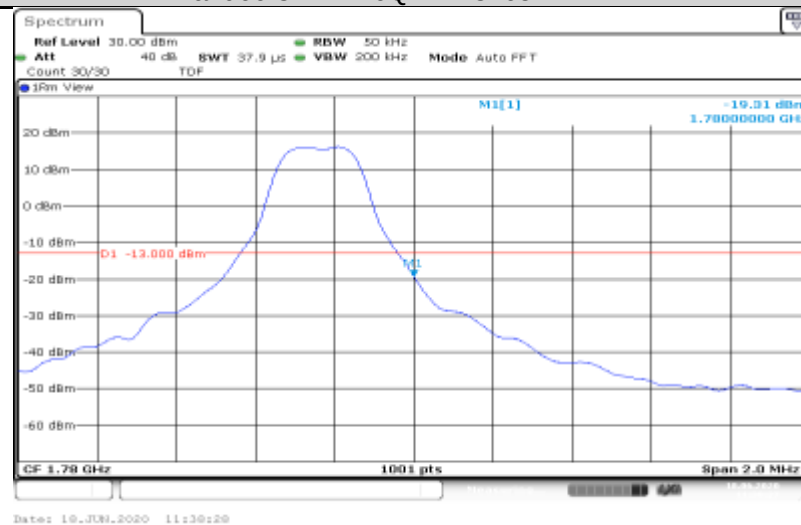
Band66-3MHz-16QAM-131987-1RB#0



Band66-3MHz-16QAM-131987-15RB#0



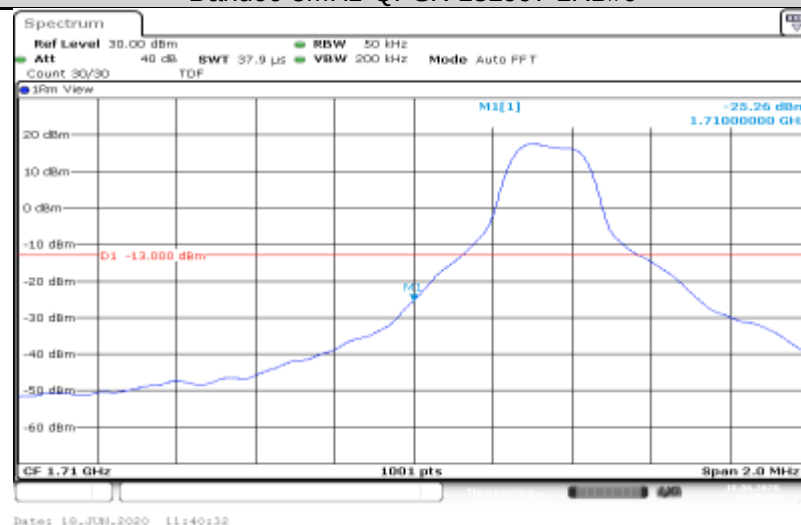
Band66-3MHz-16QAM-132657-1RB#14



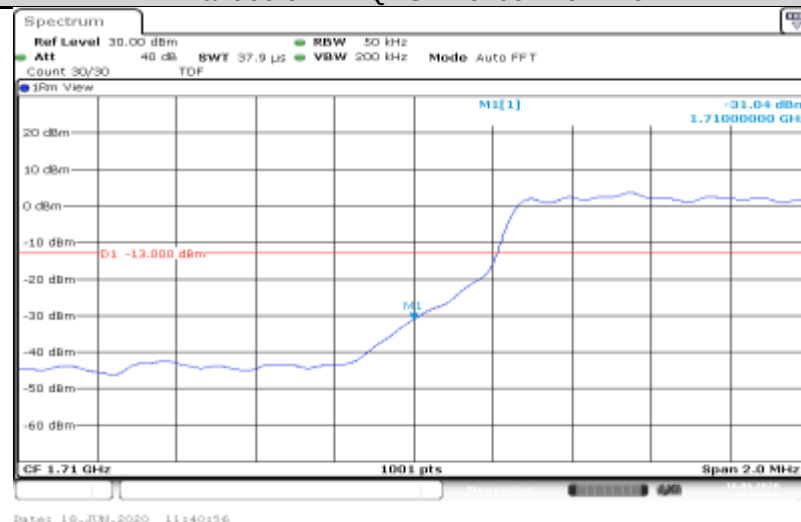
Band66-3MHz-16QAM-132657-15RB#0



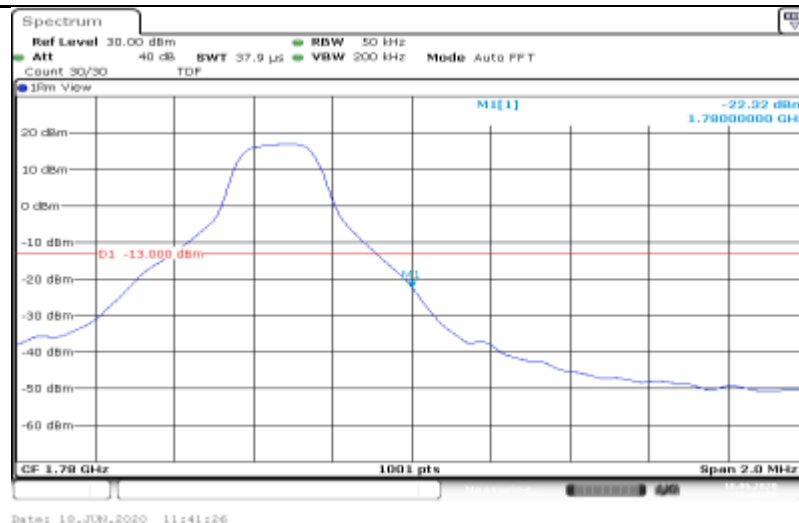
Band66-5MHz-QPSK-131997-1RB#0



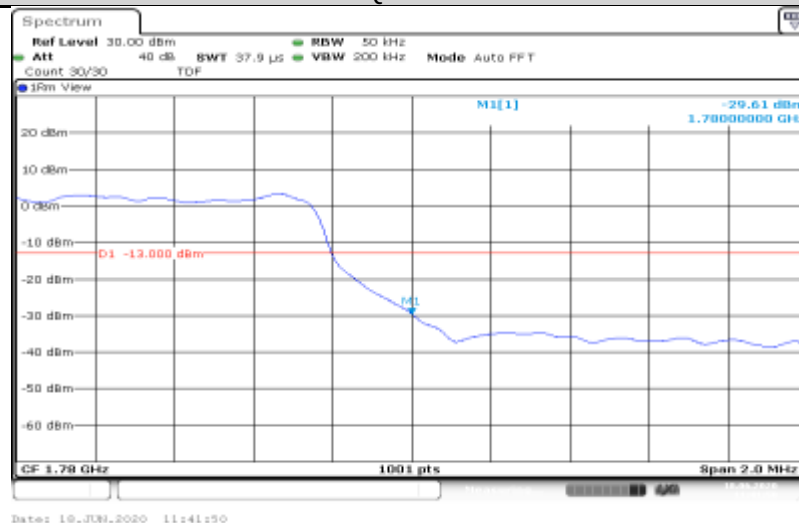
Band66-5MHz-QPSK-131997-25RB#0



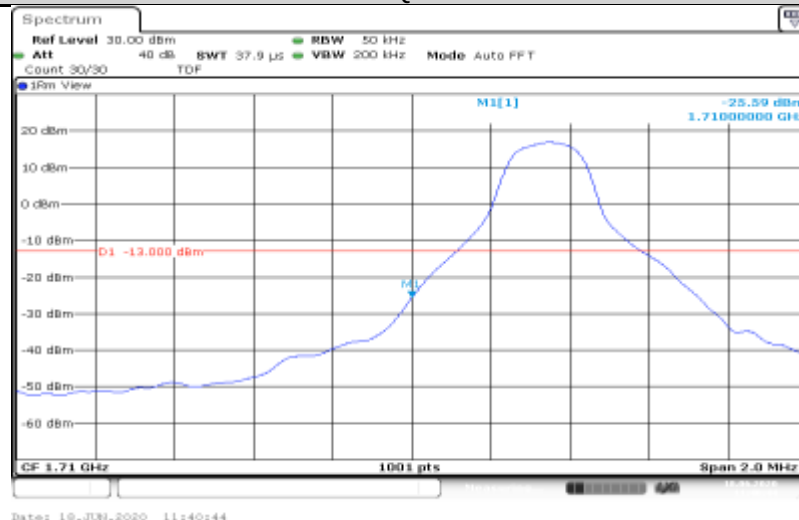
Band66-5MHz-QPSK-132647-1RB#24



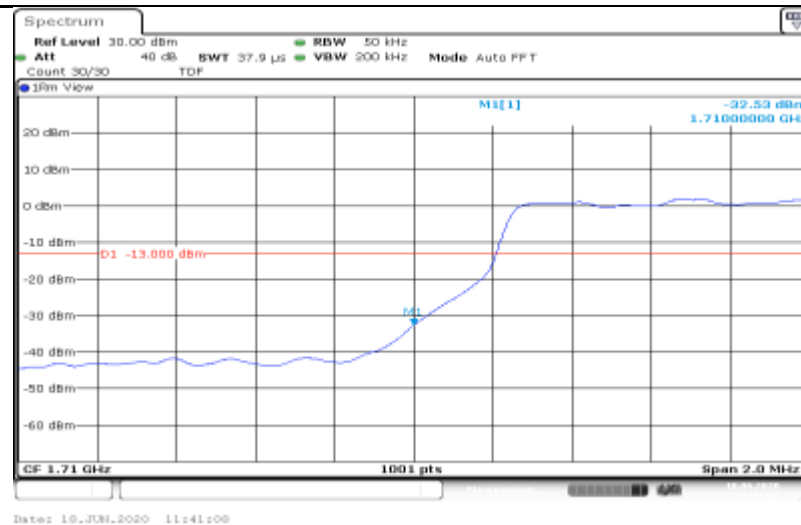
Band66-5MHz-QPSK-132647-25RB#0



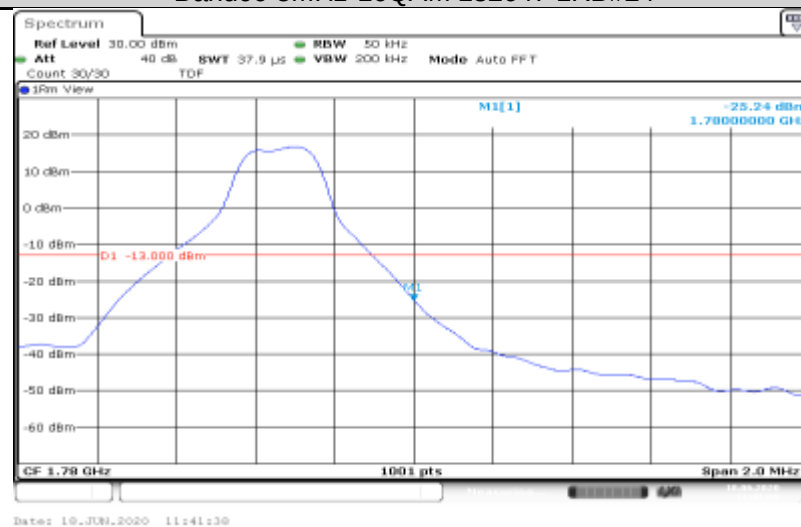
Band66-5MHz-16QAM-131997-1RB#0



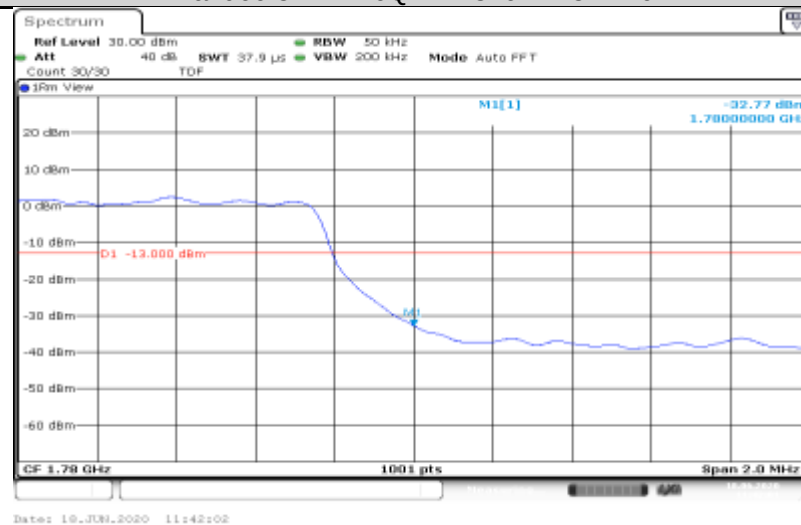
Band66-5MHz-16QAM-131997-25RB#0



Band66-5MHz-16QAM-132647-1RB#24



Band66-5MHz-16QAM-132647-25RB#0



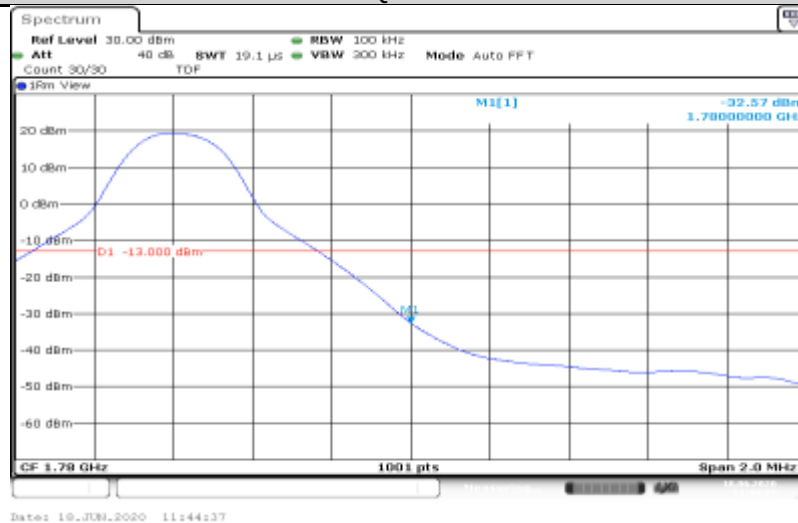
Band66-10MHz-QPSK-132022-1RB#0



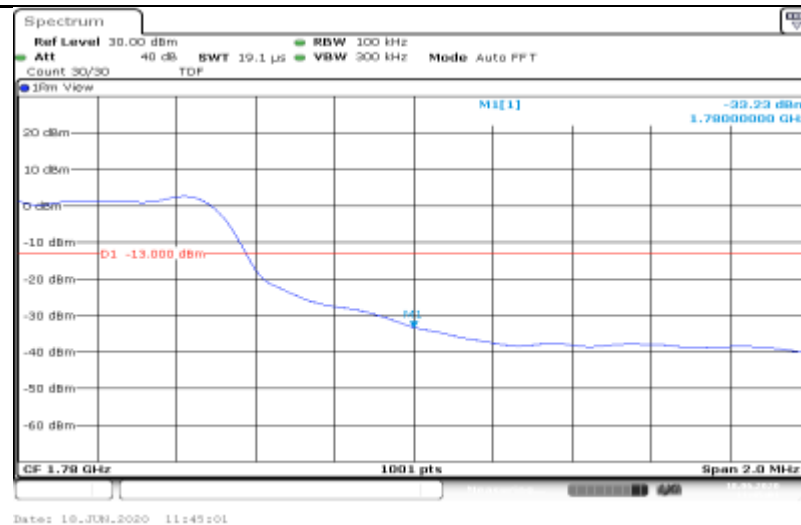
Band66-10MHz-QPSK-132022-50RB#0



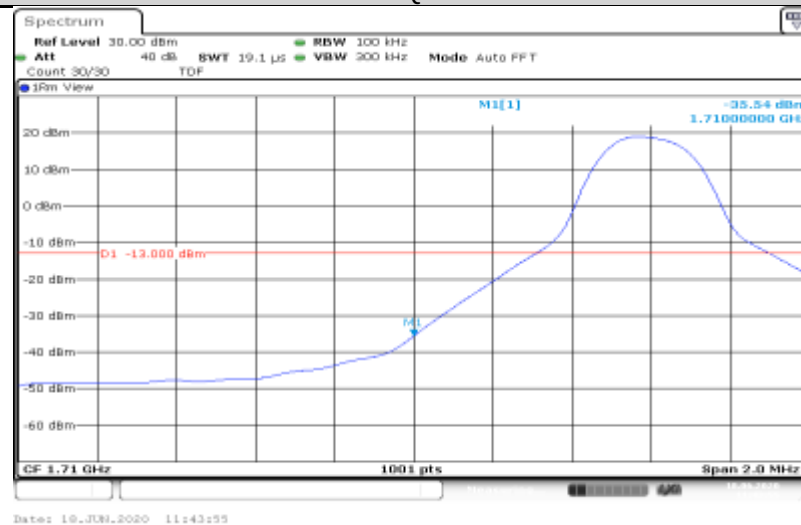
Band66-10MHz-QPSK-132622-1RB#49



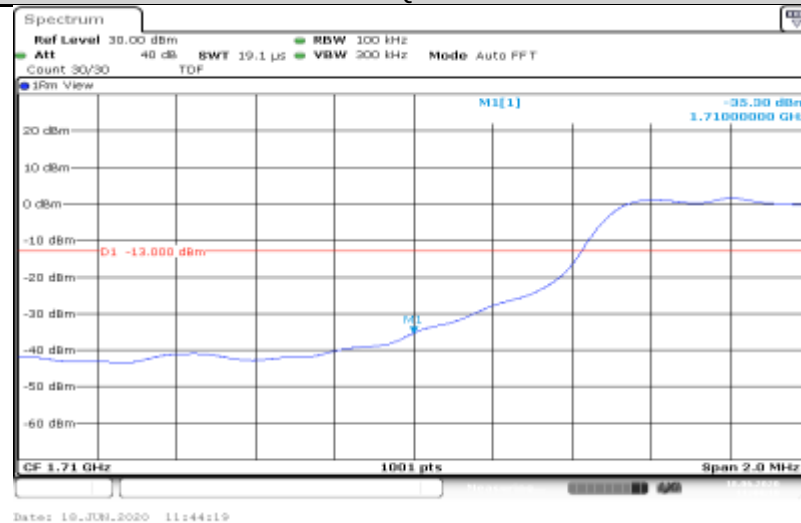
Band66-10MHz-QPSK-132622-50RB#0



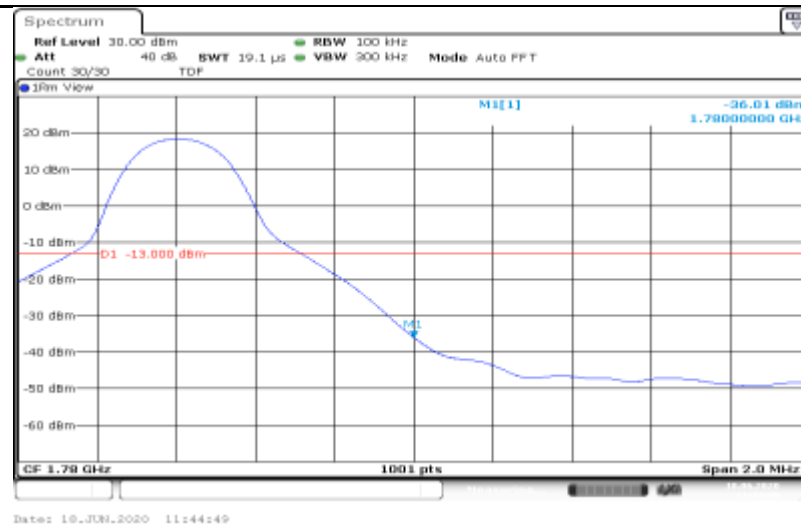
Band66-10MHz-16QAM-132022-1RB#0



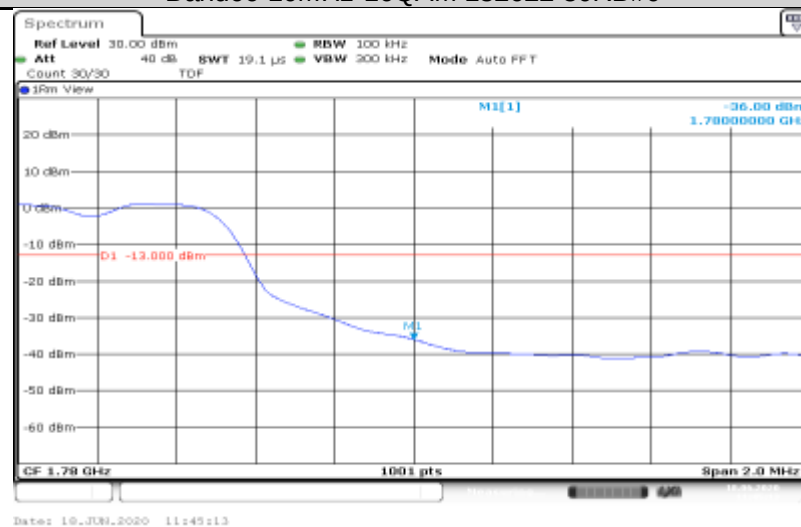
Band66-10MHz-16QAM-132022-50RB#0



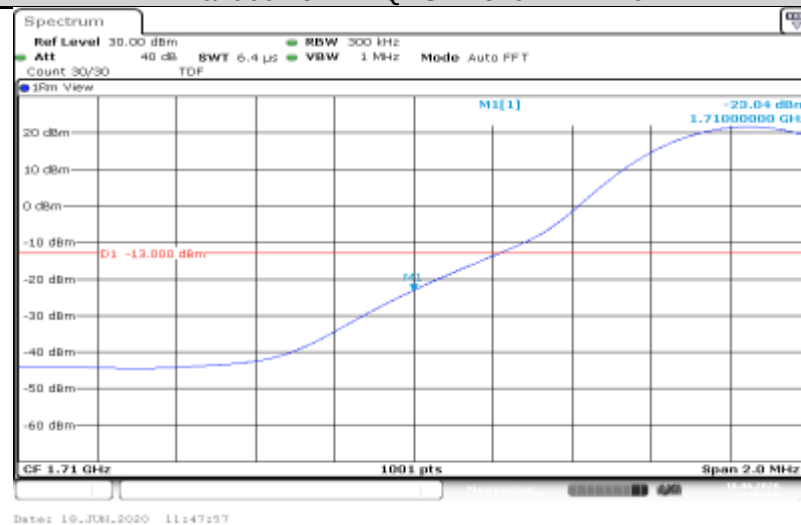
Band66-10MHz-16QAM-132622-1RB#49



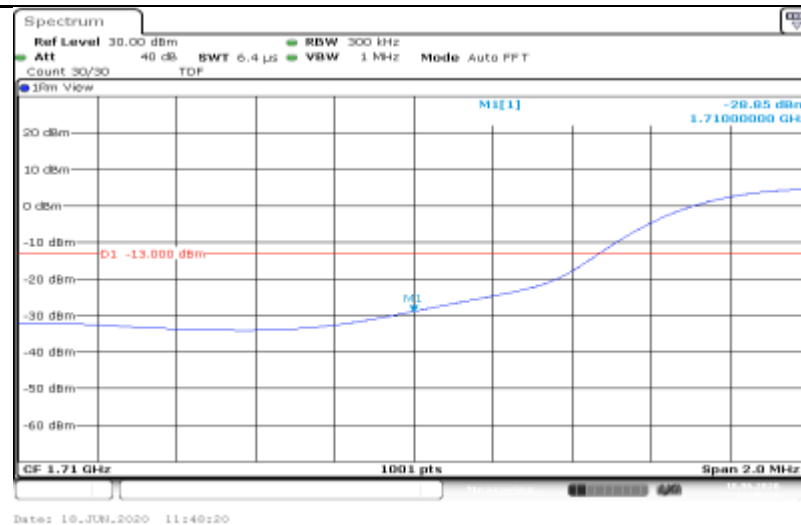
Band66-10MHz-16QAM-132622-50RB#0



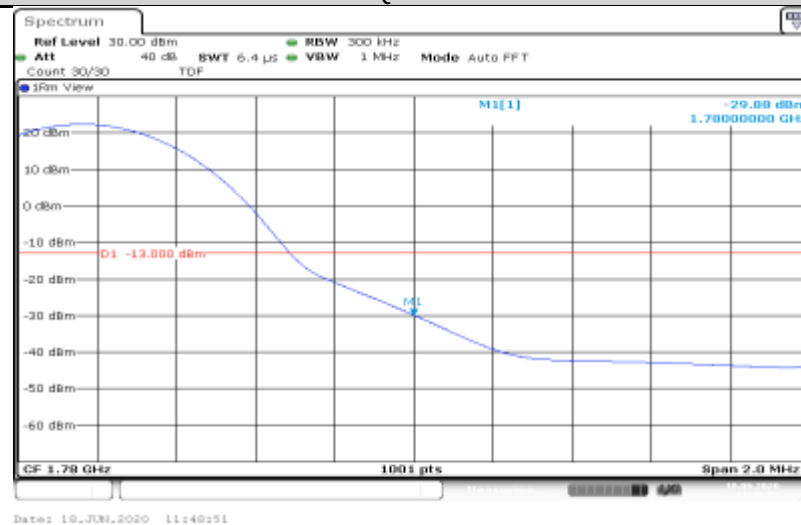
Band66-15MHz-QPSK-132047-1RB#0



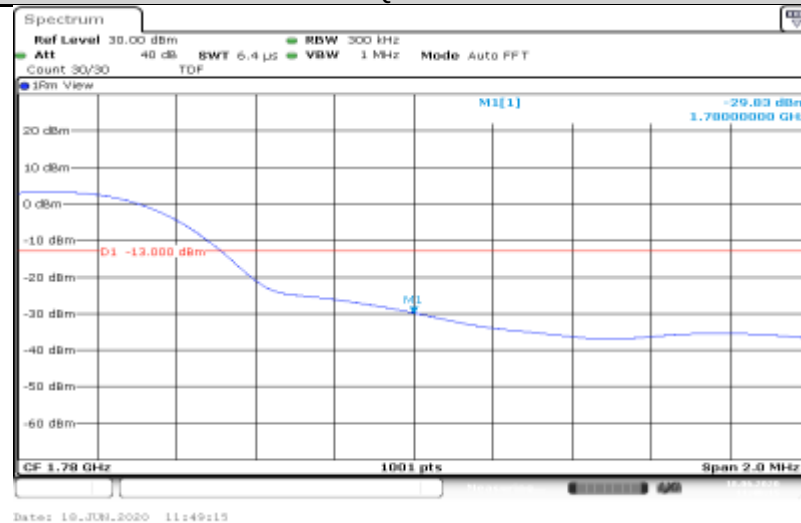
Band66-15MHz-QPSK-132047-75RB#0



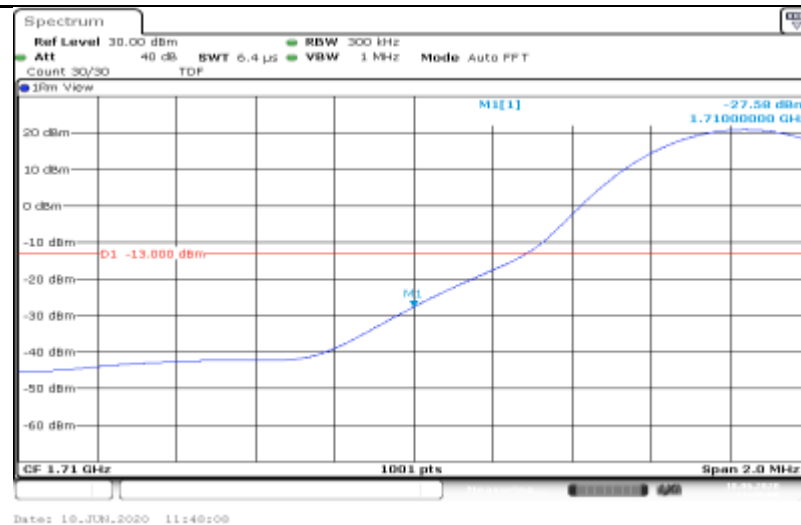
Band66-15MHz-QPSK-132597-1RB#74



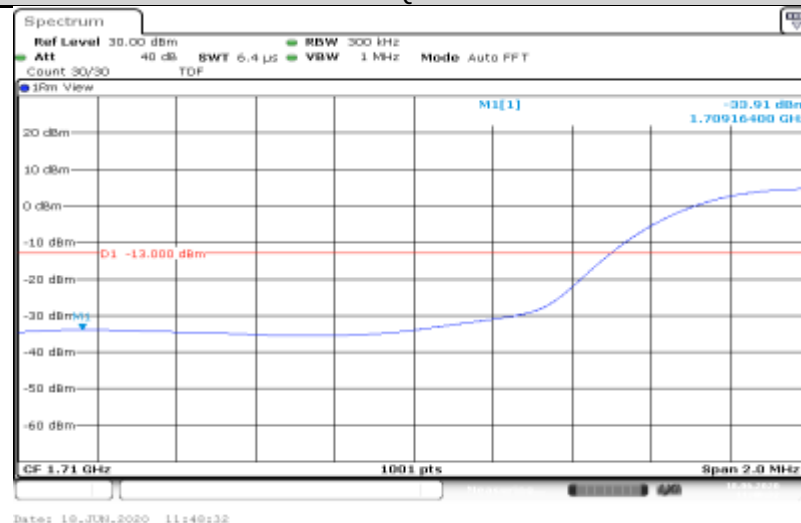
Band66-15MHz-QPSK-132597-75RB#0



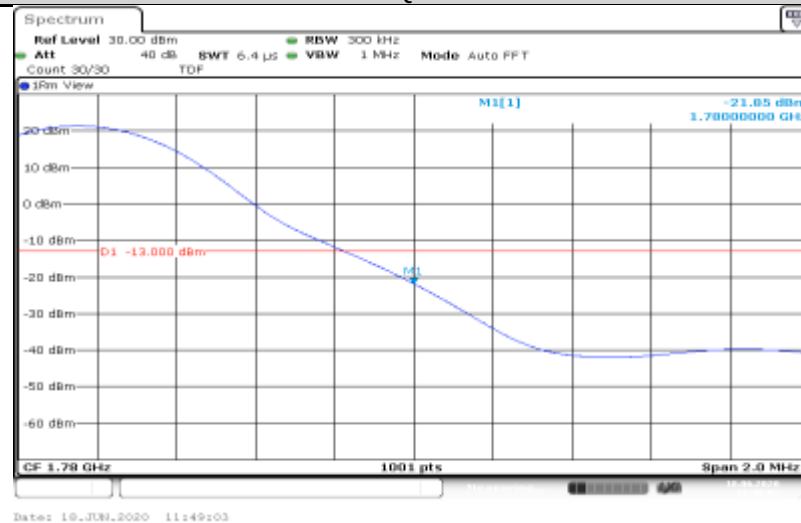
Band66-15MHz-16QAM-132047-1RB#0



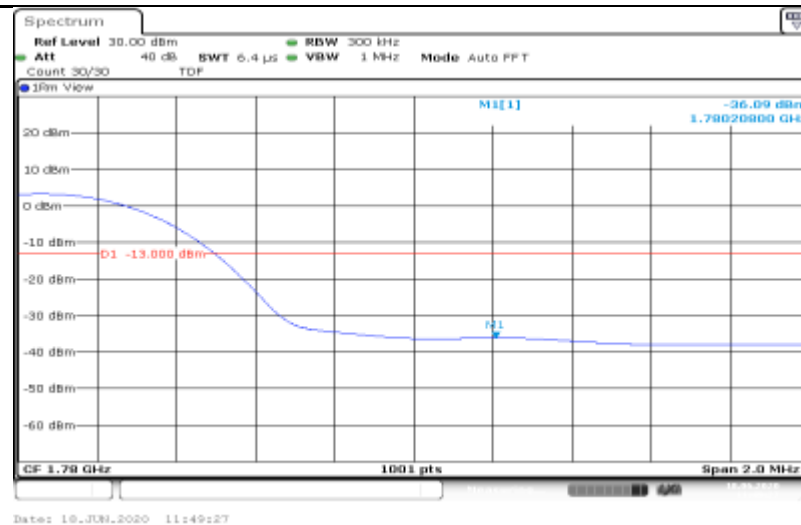
Band66-15MHz-16QAM-132047-75RB#0



Band66-15MHz-16QAM-132597-1RB#74



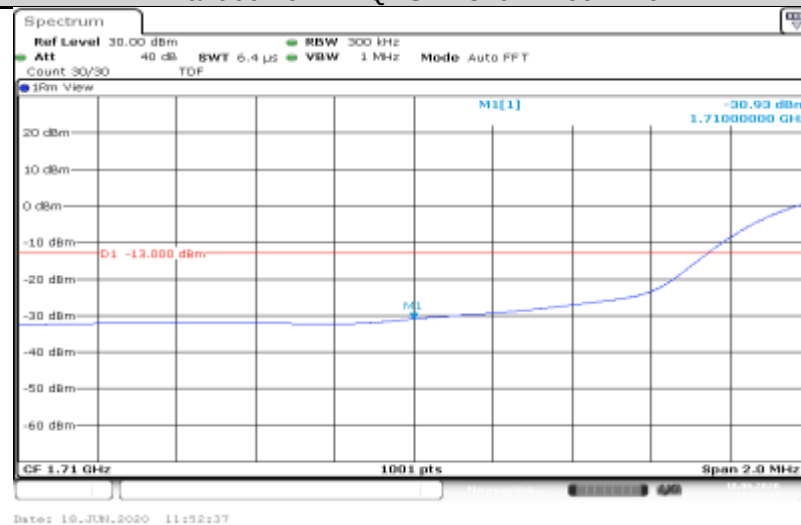
Band66-15MHz-16QAM-132597-75RB#0



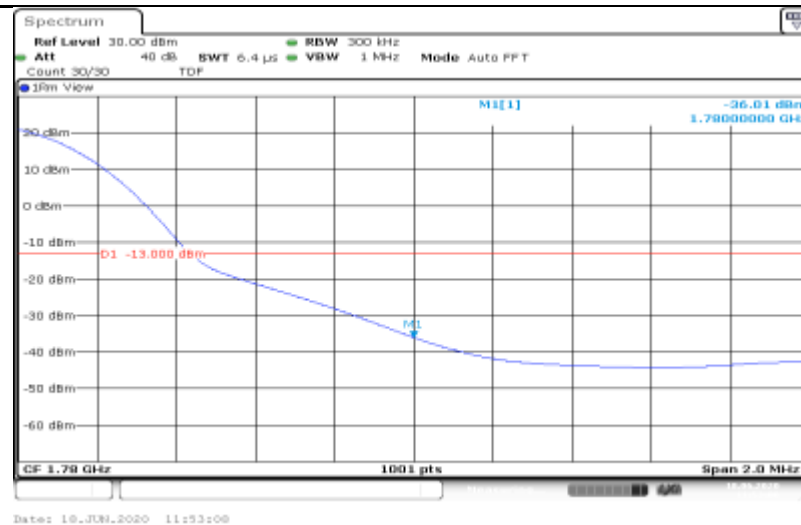
Band66-20MHz-QPSK-132072-1RB#0



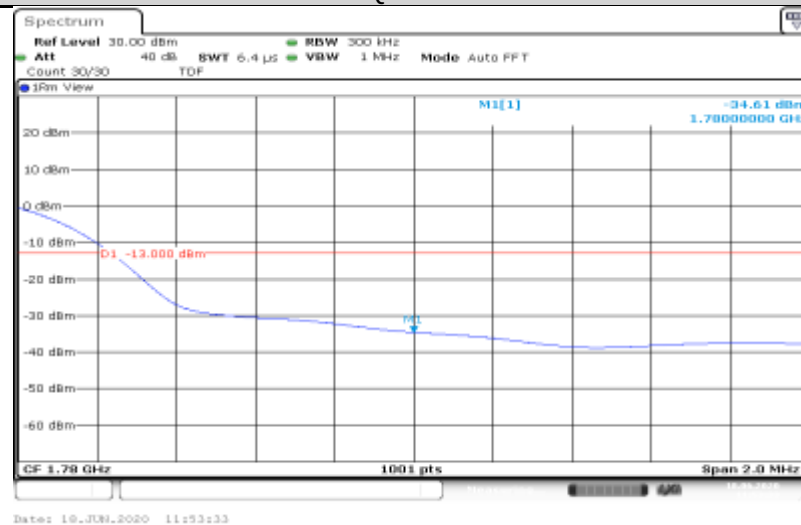
Band66-20MHz-QPSK-132072-100RB#0



Band66-20MHz-QPSK-132572-1RB#99



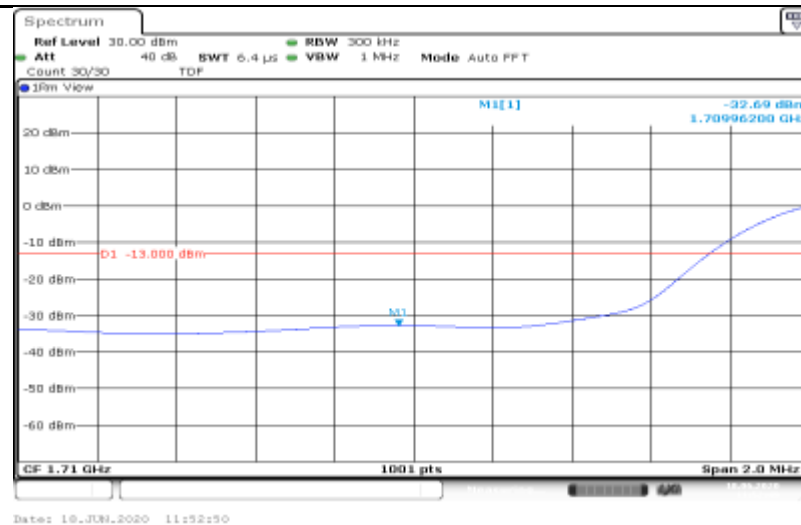
Band66-20MHz-QPSK-132572-100RB#0



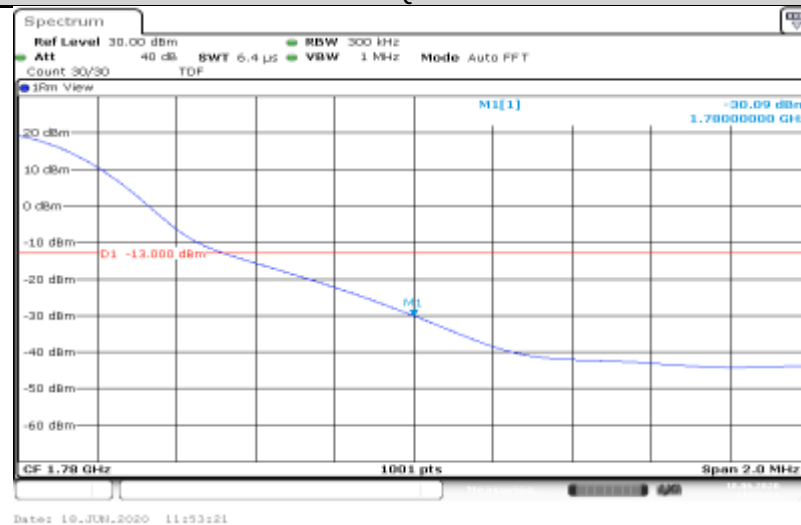
Band66-20MHz-16QAM-132072-1RB#0



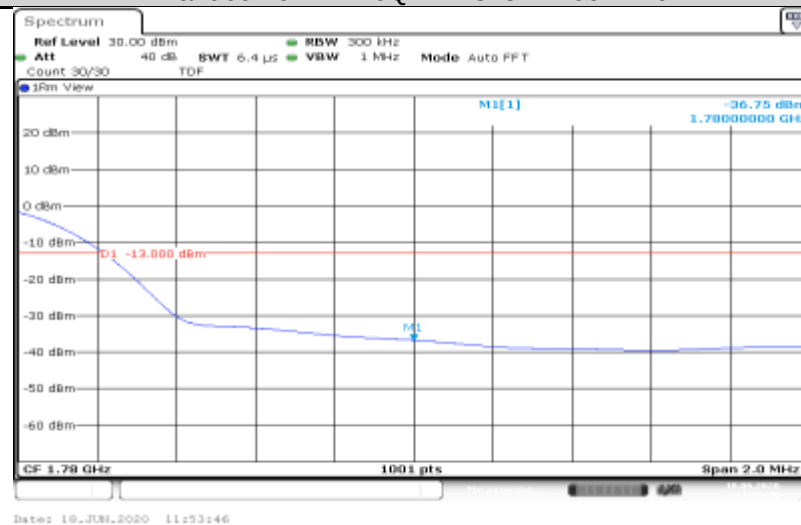
Band66-20MHz-16QAM-132072-100RB#0



Band66-20MHz-16QAM-132572-1RB#99



Band66-20MHz-16QAM-132572-100RB#0



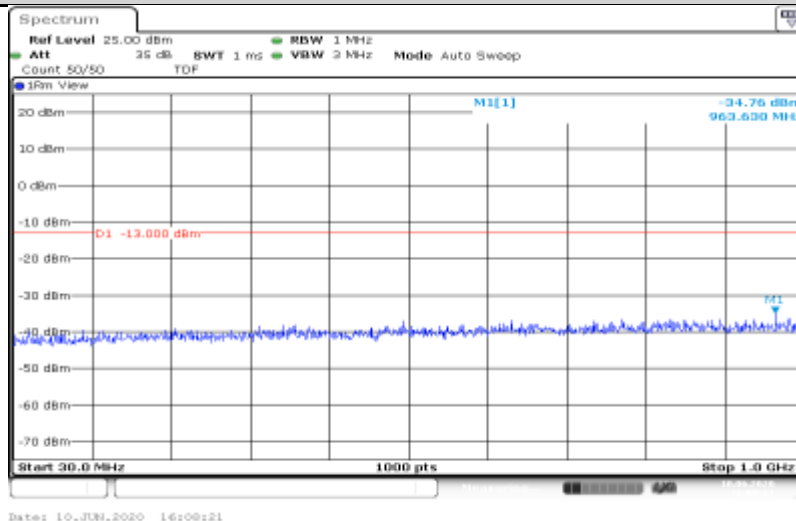
5. Conducted Spurious Emission

5.1 Test Result

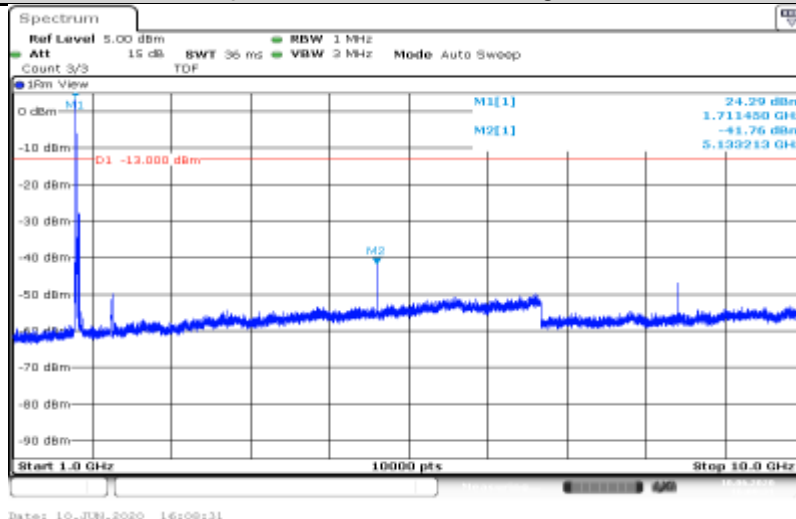
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band66	20MHz	QPSK	132072	1RB#0	Range1:30~1000MHz	-34.76	PASS
Band66	20MHz	QPSK	132072	1RB#0	Range2:1000~10000MHz	-41.76	PASS
Band66	20MHz	QPSK	132322	1RB#0	Range1:30~1000MHz	-35.36	PASS
Band66	20MHz	QPSK	132322	1RB#0	Range2:1000~10000MHz	-42.81	PASS
Band66	20MHz	QPSK	132572	1RB#0	Range1:30~1000MHz	-36.3	PASS
Band66	20MHz	QPSK	132572	1RB#0	Range2:1000~10000MHz	-42.57	PASS
Band66	20MHz	16QAM	132072	1RB#0	Range1:30~1000MHz	-35.98	PASS
Band66	20MHz	16QAM	132072	1RB#0	Range2:1000~10000MHz	-41.75	PASS
Band66	20MHz	16QAM	132322	1RB#0	Range1:30~1000MHz	-36.33	PASS
Band66	20MHz	16QAM	132322	1RB#0	Range2:1000~10000MHz	-39.64	PASS
Band66	20MHz	16QAM	132572	1RB#0	Range1:30~1000MHz	-35.56	PASS
Band66	20MHz	16QAM	132572	1RB#0	Range2:1000~10000MHz	-43.22	PASS

5.2 Test Graphs

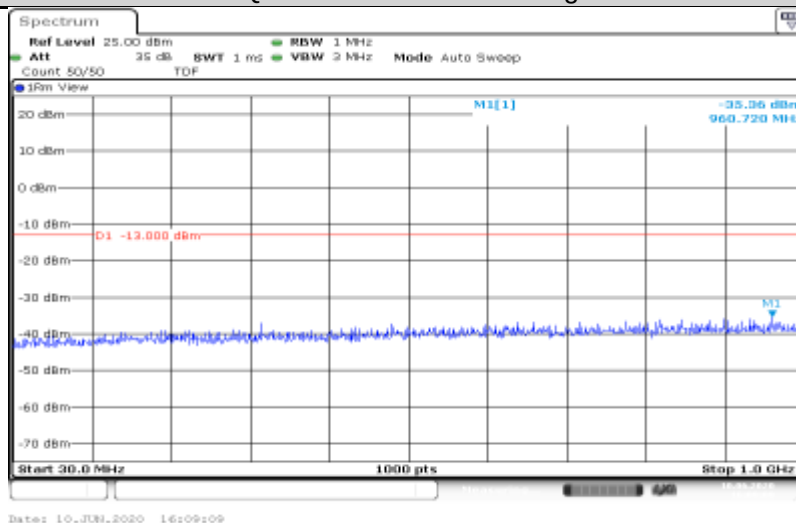
Band66-20MHz-QPSK-132072-1RB#0-Range1:30~1000MHz



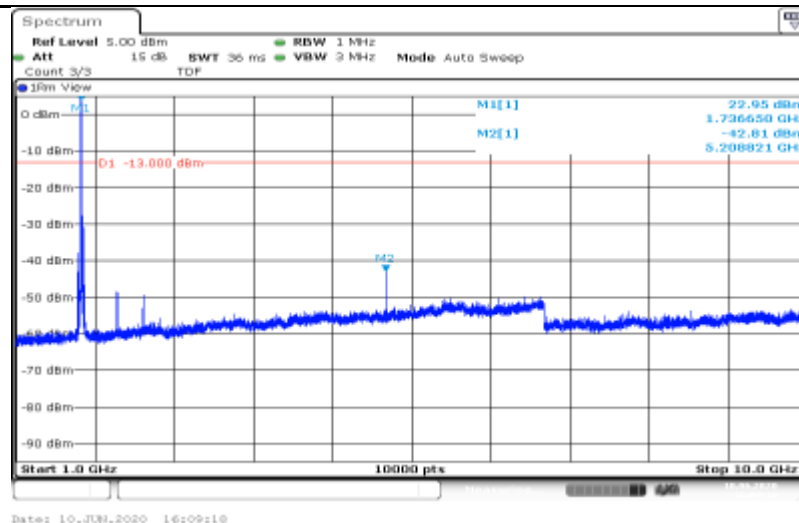
Band66-20MHz-QPSK-132072-1RB#0-Range2:1000~10000MHz



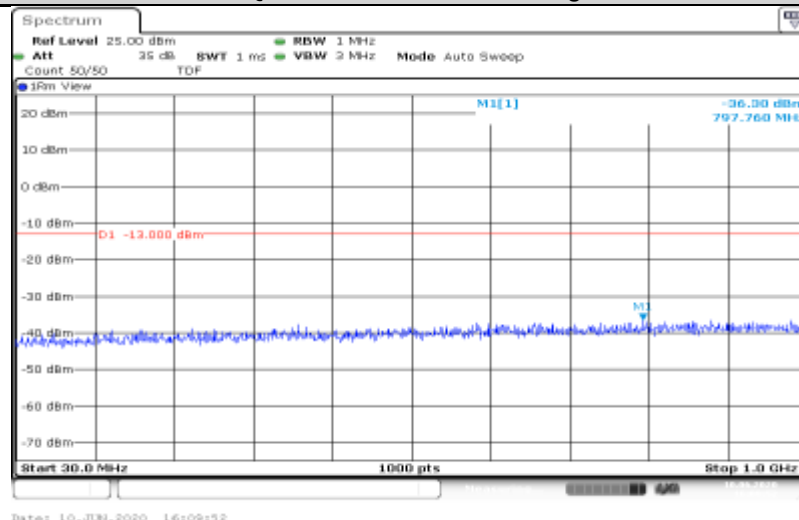
Band66-20MHz-QPSK-132322-1RB#0-Range1:30~1000MHz



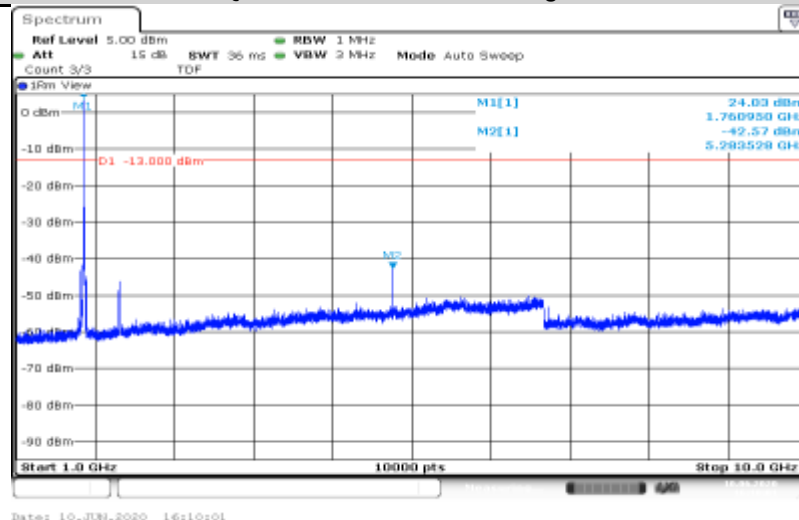
Band66-20MHz-QPSK-132322-1RB#0-Range2:1000~10000MHz



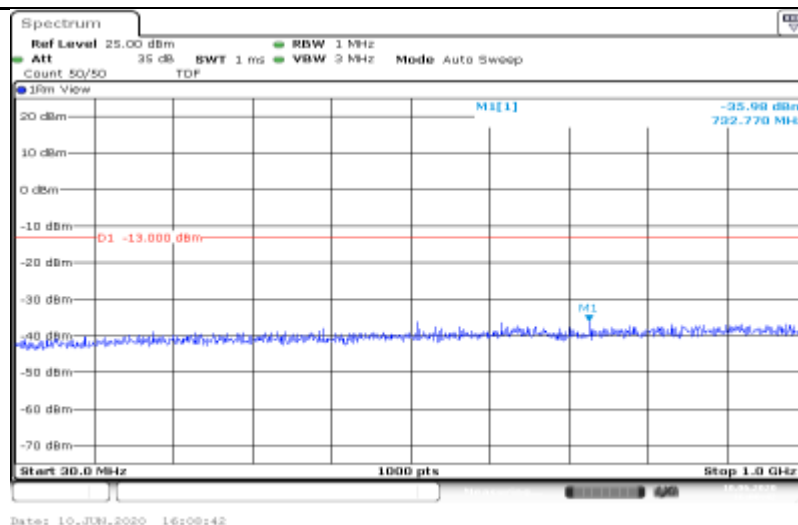
Band66-20MHz-QPSK-132572-1RB#0-Range1:30~1000MHz



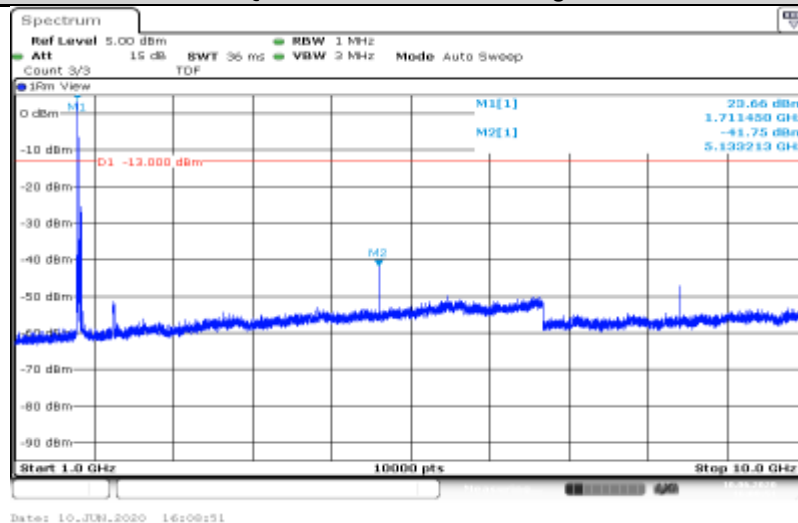
Band66-20MHz-QPSK-132572-1RB#0-Range2:1000~10000MHz



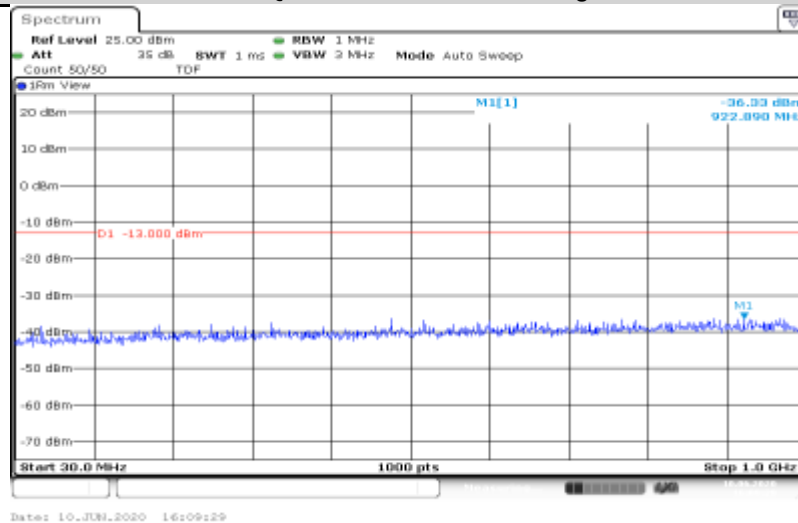
Band66-20MHz-16QAM-132072-1RB#0-Range1:30~1000MHz



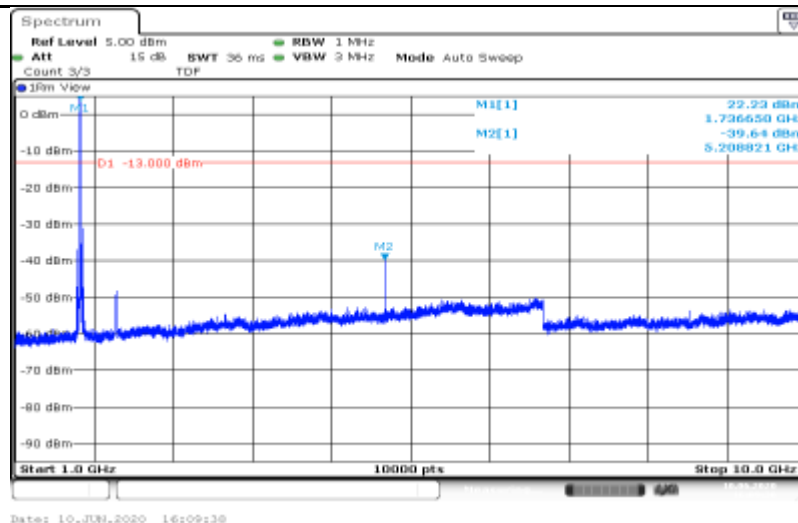
Band66-20MHz-16QAM-132072-1RB#0-Range2:1000~10000MHz



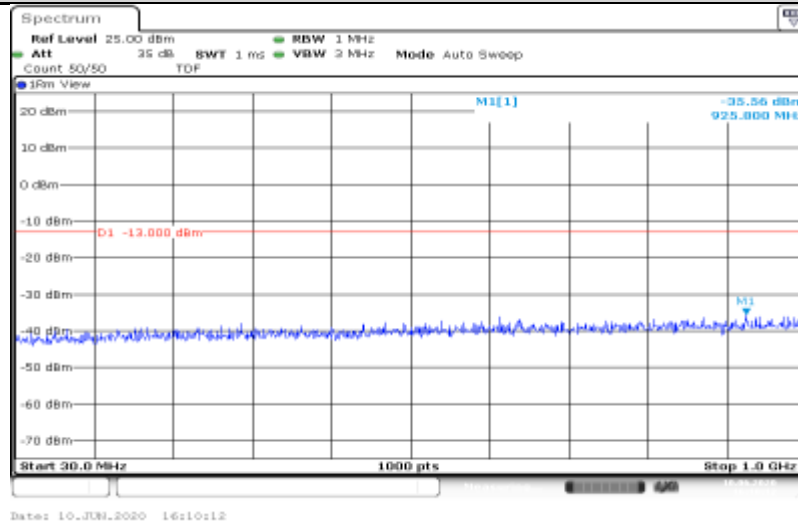
Band66-20MHz-16QAM-132322-1RB#0-Range1:30~1000MHz



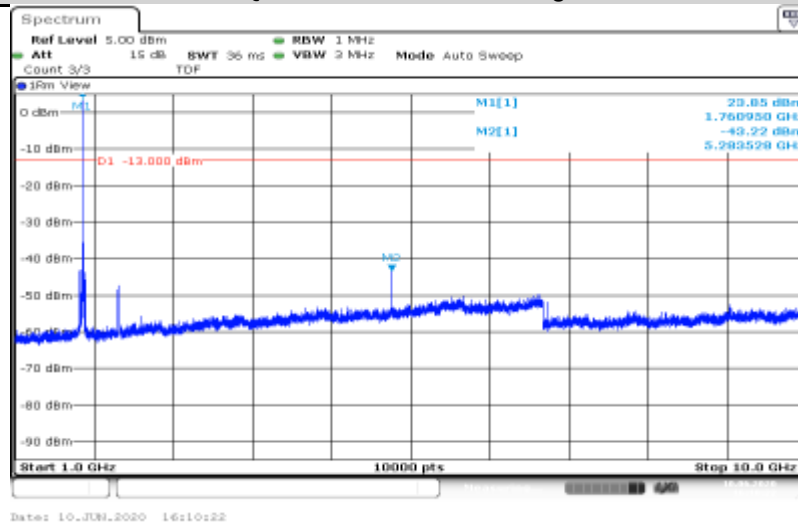
Band66-20MHz-16QAM-132322-1RB#0-Range2:1000~10000MHz



Band66-20MHz-16QAM-132572-1RB#0-Range1:30~1000MHz



Band66-20MHz-16QAM-132572-1RB#0-Range2:1000~10000MHz



6. Frequency Stability

6.1 Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band66	20MHz	QPSK	132072	100RB#0	VL	NT	-16.06	-0.009337	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	VN	NT	-4.68	-0.002721	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	VH	NT	-7.93	-0.004610	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	VL	NT	-14.31	-0.008201	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	VN	NT	-10.30	-0.005903	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	VH	NT	-14.36	-0.008229	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	VL	NT	11.64	0.006576	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	VN	NT	-6.39	-0.003610	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	VH	NT	12.79	0.007226	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	VL	NT	2.96	0.001721	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	VN	NT	-8.67	-0.005041	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	VH	NT	-12.67	-0.007366	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	VL	NT	-5.94	-0.003404	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	VN	NT	2.93	0.001679	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	VH	NT	-7.27	-0.004166	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	VL	NT	-9.88	-0.005582	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	VN	NT	5.85	0.003305	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	VH	NT	9.37	0.005294	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band66	20MHz	QPSK	132072	100RB#0	NV	-30	5.45	0.003169	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	-20	-8.31	-0.004831	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	0	3.06	0.001779	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	10	-11.94	-0.006942	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	20	-2.98	-0.001733	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	30	-15.21	-0.008843	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	40	-5.92	-0.003442	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	50	2.03	0.001180	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	55	-11.50	-0.006686	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-30	-19.03	-0.010905	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-20	-15.72	-0.009009	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	0	5.61	0.003215	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	10	-4.09	-0.002344	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	20	-6.12	-0.003507	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	30	-8.13	-0.004659	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	40	-11.16	-0.006395	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	50	-14.09	-0.008074	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	55	-17.12	-0.009811	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	-30	12.43	0.007023	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	-20	7.12	0.004023	±2.5	PASS

Band66	20MHz	QPSK	132572	100RB#0	NV	0	4.86	0.002746	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	10	12.30	0.006949	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	20	8.10	0.004576	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	30	-6.42	-0.003627	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	40	11.86	0.006701	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	50	4.29	0.002424	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	55	-10.81	-0.006107	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	-30	-3.79	-0.002203	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	-20	-9.93	-0.005773	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	0	-16.54	-0.009616	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	10	-6.09	-0.003541	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	20	-11.09	-0.006448	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	30	-15.58	-0.009058	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	40	-3.58	-0.002081	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	50	-6.61	-0.003843	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	55	-13.16	-0.007651	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	-30	-8.24	-0.004722	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	-20	-9.33	-0.005347	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	0	-12.09	-0.006928	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	10	-12.65	-0.007249	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	20	-13.78	-0.007897	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	30	-11.50	-0.006590	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	40	-12.83	-0.007352	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	50	-14.41	-0.008258	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	55	-14.41	-0.008258	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	-30	7.11	0.004017	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	-20	-4.46	-0.002520	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	0	-7.10	-0.004011	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	10	14.19	0.008017	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	20	11.57	0.006537	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	30	9.46	0.005345	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	40	7.15	0.004040	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	50	3.13	0.001768	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	55	3.03	0.001712	±2.5	PASS