Appendix B

E-UTRA Band 7

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CONTENT

1 EFFECTIVE (ISOTROPIC) RADIATED POWER 4

1.1. TEST RESULT 4

2. PEAK-TO-AVERAGE RATIO (CCDF) 14

2.1. TEST RESULT 14

2.2. TEST PLOTS 14

3. MODULATION CHARACTERISTICS 18

3.1. TEST BAND = LTE BAND 7 18

3.1.1. TEST MODE = LTE /TM1 20MHZ 18

3.1.1.1. TEST CHANNEL = MCH 18

3.1.2. TEST MODE = LTE /TM2 20MHZ 19

3.1.2.1. TEST CHANNEL = MCH 19

4. 26DB BANDWIDTH AND OCCUPIED BANDWIDTH 20

4.1. TEST RESULT 20

4.2. TEST PLOTS 21

5. BAND EDGE COMPLIANCE 33

5.1. TEST PLOTS 33

6. SPURIOUS EMISSION AT ANTENNA TERMINAL 50

6.1. TEST PLOTS 50

7. FIELD STRENGTH OF SPURIOUS RADIATION 57

7.1. Test Band = LTE_7 _TM1 DOWN ANT 57

7.1.1. Test Channel = Low Channel 57

7.2. Test Band = LTE_7 _TM1 DOWN ANT 58

7.2.1. Test Channel = Low Channel 58

7.3. Test Band = LTE_7 _TM1 DOWN ANT 59

7.3.1. Test Channel = Mid Channel 59

7.4. Test Band = LTE_7 _TM1 DOWN ANT 60

7.4.1. Test Channel = Mid Channel 60

7.5. Test Band = LTE_7 _TM1 DOWN ANT 61

7.5.1. Test Channel = High Channel 61

7.6. Test Band = LTE_7 _TM1 DOWN ANT 62

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7.6.1. Test Channel = High Channel 62
7.7. Test Band = LTE_7 _TM1 UP ANT 63
7.7.1. Test Channel = Low Channel 63
7.8. Test Band = LTE_7 _TM1 UP ANT 64
7.8.1. Test Channel = Low Channel 64
7.9. Test Band = LTE_7 _TM1 UP ANT 65
7.9.1. Test Channel = Mid Channel 65
7.10. Test Band = LTE_7 _TM1 UP ANT 66
7.10.1. Test Channel = Mid Channel 66
7.11. Test Band = LTE_7 _TM1 UP ANT 67
7.11.1. Test Channel = High Channel 67
7.12. Test Band = LTE_7 _TM1 UP ANT 68
7.12.1. Test Channel = High Channel 68

8. FREQUENCY STABILITY 69

8.1. FREQUENCY VS VOLTAGE 69
8.2. FREQUENCY VS TEMPERATURE 70

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1 Effective (Isotropic) Radiated Power

1.1. Test Result

Down Antenna:

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	22.56	21.16	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#12	22.54	21.14	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#24	22.60	21.20	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#0	21.62	20.22	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#6	21.63	20.23	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#13	21.54	20.14	33.00	PASS
Band7	5MHz	QPSK	20775	25RB#0	21.64	20.24	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#0	22.38	20.98	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#12	22.26	20.86	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#24	22.22	20.82	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#0	21.29	19.89	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#6	21.25	19.85	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#13	21.25	19.85	33.00	PASS
Band7	5MHz	QPSK	21100	25RB#0	21.27	19.87	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#0	21.73	20.33	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#12	21.82	20.42	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#24	21.66	20.26	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#0	21.12	19.72	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#6	21.16	19.76	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#13	21.12	19.72	33.00	PASS
Band7	5MHz	QPSK	21425	25RB#0	21.17	19.77	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#0	21.57	20.17	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#12	21.76	20.36	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#24	21.73	20.33	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#0	20.77	19.37	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#6	20.73	19.33	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#13	20.60	19.20	33.00	PASS
Band7	5MHz	16QAM	20775	25RB#0	20.71	19.31	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#0	21.59	20.19	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#12	21.52	20.12	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#24	21.42	20.02	33.00	PASS

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Band7	5MHz	16QAM	21100	12RB#0	20.31	18.91	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#6	20.30	18.90	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#13	20.26	18.86	33.00	PASS
Band7	5MHz	16QAM	21100	25RB#0	20.30	18.90	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#0	21.02	19.62	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#12	21.26	19.86	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#24	20.75	19.35	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#0	20.19	18.79	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#6	20.18	18.78	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#13	20.02	18.62	33.00	PASS
Band7	5MHz	16QAM	21425	25RB#0	20.15	18.75	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#0	22.73	21.33	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#24	22.47	21.07	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#49	22.51	21.11	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#0	21.56	20.16	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#12	21.64	20.24	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#25	21.66	20.26	33.00	PASS
Band7	10MHz	QPSK	20800	50RB#0	21.54	20.14	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#0	22.10	20.70	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#24	22.30	20.90	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#49	22.18	20.78	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#0	21.33	19.93	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#12	21.28	19.88	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#25	21.27	19.87	33.00	PASS
Band7	10MHz	QPSK	21100	50RB#0	21.26	19.86	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#0	21.69	20.29	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#24	21.71	20.31	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#49	21.56	20.16	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#0	21.21	19.81	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#12	21.22	19.82	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#25	21.23	19.83	33.00	PASS
Band7	10MHz	QPSK	21400	50RB#0	21.13	19.73	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#0	22.20	20.80	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#24	22.06	20.66	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#49	21.74	20.34	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#0	20.59	19.19	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#12	20.65	19.25	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#25	20.57	19.17	33.00	PASS

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Band7	10MHz	16QAM	21100	1RB#0	21.37	19.97	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#24	21.71	20.31	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#49	21.63	20.23	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#0	20.30	18.90	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#12	20.32	18.92	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#25	20.28	18.88	33.00	PASS
Band7	10MHz	16QAM	21100	50RB#0	20.35	18.95	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#0	20.95	19.55	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#24	21.14	19.74	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#49	20.48	19.08	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#0	20.23	18.83	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#12	20.17	18.77	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#25	20.18	18.78	33.00	PASS
Band7	10MHz	16QAM	21400	50RB#0	20.16	18.76	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#0	21.92	20.52	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#38	22.27	20.87	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#74	21.97	20.57	33.00	PASS
Band7	15MHz	QPSK	20825	38RB#0	21.41	20.01	33.00	PASS
Band7	15MHz	QPSK	20825	38RB#18	21.52	20.12	33.00	PASS
Band7	15MHz	QPSK	20825	38RB#37	21.60	20.20	33.00	PASS
Band7	15MHz	QPSK	20825	75RB#0	21.53	20.13	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#0	21.80	20.40	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#38	22.23	20.83	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#74	21.92	20.52	33.00	PASS
Band7	15MHz	QPSK	21100	38RB#0	21.31	19.91	33.00	PASS
Band7	15MHz	QPSK	21100	38RB#18	21.31	19.91	33.00	PASS
Band7	15MHz	QPSK	21100	38RB#37	21.36	19.96	33.00	PASS
Band7	15MHz	QPSK	21100	75RB#0	21.36	19.96	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#0	21.62	20.22	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#38	21.73	20.33	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#74	21.77	20.37	33.00	PASS
Band7	15MHz	QPSK	21375	38RB#0	21.19	19.79	33.00	PASS
Band7	15MHz	QPSK	21375	38RB#18	21.32	19.92	33.00	PASS
Band7	15MHz	QPSK	21375	38RB#37	21.29	19.89	33.00	PASS
Band7	15MHz	QPSK	21375	75RB#0	21.29	19.89	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#0	21.31	19.91	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#38	21.23	19.83	33.00	PASS

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Band7	15MHz	16QAM	20825	38RB#0	20.44	19.04	33.00	PASS
Band7	15MHz	16QAM	20825	38RB#18	20.58	19.18	33.00	PASS
Band7	15MHz	16QAM	20825	38RB#37	20.53	19.13	33.00	PASS
Band7	15MHz	16QAM	20825	75RB#0	20.59	19.19	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#0	21.10	19.70	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#38	21.75	20.35	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#74	20.92	19.52	33.00	PASS
Band7	15MHz	16QAM	21100	38RB#0	20.28	18.88	33.00	PASS
Band7	15MHz	16QAM	21100	38RB#18	20.29	18.89	33.00	PASS
Band7	15MHz	16QAM	21100	38RB#37	20.34	18.94	33.00	PASS
Band7	15MHz	16QAM	21100	75RB#0	20.33	18.93	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#0	20.93	19.53	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#38	20.93	19.53	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#74	21.21	19.81	33.00	PASS
Band7	15MHz	16QAM	21375	38RB#0	20.08	18.68	33.00	PASS
Band7	15MHz	16QAM	21375	38RB#18	20.20	18.80	33.00	PASS
Band7	15MHz	16QAM	21375	38RB#37	20.27	18.87	33.00	PASS
Band7	15MHz	16QAM	21375	75RB#0	20.25	18.85	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#0	22.12	20.72	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#49	22.39	20.99	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#99	22.10	20.70	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#0	21.15	19.75	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#25	21.28	19.88	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#50	21.36	19.96	33.00	PASS
Band7	20MHz	QPSK	20850	100RB#0	21.56	20.16	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#0	21.84	20.44	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#49	22.17	20.77	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#99	22.29	20.89	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#0	21.13	19.73	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#25	21.24	19.84	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#50	21.28	19.88	33.00	PASS
Band7	20MHz	QPSK	21100	100RB#0	21.20	19.80	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#0	21.79	20.39	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#49	21.68	20.28	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#99	21.48	20.08	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#0	21.08	19.68	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#25	21.23	19.83	33.00	PASS

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Band7	20MHz	QPSK	21350	50RB#50	21.28	19.88	33.00	PASS
Band7	20MHz	QPSK	21350	100RB#0	21.24	19.84	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#0	21.40	20.00	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#49	21.54	20.14	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#99	21.70	20.30	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#0	20.24	18.84	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#25	20.26	18.86	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#50	20.42	19.02	33.00	PASS
Band7	20MHz	16QAM	20850	100RB#0	20.48	19.08	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#0	21.02	19.62	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#49	21.61	20.21	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#99	21.65	20.25	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#0	20.09	18.69	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#25	20.25	18.85	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#50	20.32	18.92	33.00	PASS
Band7	20MHz	16QAM	21100	100RB#0	20.26	18.86	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#0	21.02	19.62	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#49	20.86	19.46	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#99	20.68	19.28	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#0	19.95	18.55	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#25	20.10	18.70	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#50	20.23	18.83	33.00	PASS
Band7	20MHz	16QAM	21350	100RB#0	20.18	18.78	33.00	PASS

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Up Antenna:

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	19.97	18.37	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#12	19.83	18.23	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#24	19.76	18.16	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#0	19.82	18.22	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#6	19.77	18.17	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#13	19.74	18.14	33.00	PASS
Band7	5MHz	QPSK	20775	25RB#0	19.74	18.14	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#0	19.65	18.05	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#12	19.55	17.95	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#24	19.50	17.90	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#0	19.50	17.90	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#6	19.46	17.86	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#13	19.60	18.00	33.00	PASS
Band7	5MHz	QPSK	21100	25RB#0	19.44	17.84	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#0	19.57	17.97	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#12	19.43	17.83	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#24	19.42	17.82	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#0	19.36	17.76	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#6	19.25	17.65	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#13	19.40	17.80	33.00	PASS
Band7	5MHz	QPSK	21425	25RB#0	19.42	17.82	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#0	20.39	18.79	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#12	20.27	18.67	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#24	19.66	18.06	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#0	19.75	18.15	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#6	19.89	18.29	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#13	19.77	18.17	33.00	PASS
Band7	5MHz	16QAM	20775	25RB#0	19.80	18.20	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#0	19.69	18.09	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#12	19.63	18.03	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#24	19.77	18.17	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#0	19.52	17.92	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#6	19.54	17.94	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#13	19.45	17.85	33.00	PASS
Band7	5MHz	16QAM	21100	25RB#0	19.48	17.88	33.00	PASS

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Band7	5MHz	16QAM	21425	1RB#0	19.55	17.95	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#12	19.29	17.69	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#24	19.84	18.24	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#0	19.46	17.86	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#6	19.44	17.84	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#13	19.29	17.69	33.00	PASS
Band7	5MHz	16QAM	21425	25RB#0	19.38	17.78	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#0	20.21	18.61	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#24	19.81	18.21	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#49	19.77	18.17	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#0	19.72	18.12	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#12	19.73	18.13	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#25	19.77	18.17	33.00	PASS
Band7	10MHz	QPSK	20800	50RB#0	19.76	18.16	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#0	19.68	18.08	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#24	19.45	17.85	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#49	19.66	18.06	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#0	19.55	17.95	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#12	19.50	17.90	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#25	19.50	17.90	33.00	PASS
Band7	10MHz	QPSK	21100	50RB#0	19.54	17.94	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#0	19.71	18.11	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#24	19.30	17.70	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#49	19.30	17.70	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#0	19.39	17.79	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#12	19.36	17.76	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#25	19.45	17.85	33.00	PASS
Band7	10MHz	QPSK	21400	50RB#0	19.47	17.87	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#0	20.21	18.61	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#24	20.08	18.48	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#49	20.12	18.52	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#0	19.76	18.16	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#12	19.74	18.14	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#25	19.64	18.04	33.00	PASS
Band7	10MHz	16QAM	20800	50RB#0	19.66	18.06	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#0	20.15	18.55	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#24	19.64	18.04	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#49	19.85	18.25	33.00	PASS

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Band7	10MHz	16QAM	21100	25RB#0	19.57	17.97	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#12	19.60	18.00	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#25	19.49	17.89	33.00	PASS
Band7	10MHz	16QAM	21100	50RB#0	19.54	17.94	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#0	19.44	17.84	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#24	19.84	18.24	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#49	20.06	18.46	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#0	19.42	17.82	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#12	19.47	17.87	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#25	19.39	17.79	33.00	PASS
Band7	10MHz	16QAM	21400	50RB#0	19.37	17.77	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#0	19.40	17.80	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#38	19.62	18.02	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#74	19.54	17.94	33.00	PASS
Band7	15MHz	QPSK	20825	38RB#0	19.67	18.07	33.00	PASS
Band7	15MHz	QPSK	20825	38RB#18	19.82	18.22	33.00	PASS
Band7	15MHz	QPSK	20825	38RB#37	19.88	18.28	33.00	PASS
Band7	15MHz	QPSK	20825	75RB#0	20.00	18.40	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#0	19.51	17.91	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#38	19.50	17.90	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#74	19.38	17.78	33.00	PASS
Band7	15MHz	QPSK	21100	38RB#0	19.49	17.89	33.00	PASS
Band7	15MHz	QPSK	21100	38RB#18	19.63	18.03	33.00	PASS
Band7	15MHz	QPSK	21100	38RB#37	19.78	18.18	33.00	PASS
Band7	15MHz	QPSK	21100	75RB#0	19.69	18.09	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#0	19.50	17.90	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#38	19.35	17.75	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#74	19.46	17.86	33.00	PASS
Band7	15MHz	QPSK	21375	38RB#0	19.31	17.71	33.00	PASS
Band7	15MHz	QPSK	21375	38RB#18	19.41	17.81	33.00	PASS
Band7	15MHz	QPSK	21375	38RB#37	19.56	17.96	33.00	PASS
Band7	15MHz	QPSK	21375	75RB#0	19.49	17.89	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#0	19.39	17.79	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#38	19.80	18.20	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#74	19.89	18.29	33.00	PASS
Band7	15MHz	16QAM	20825	38RB#0	19.79	18.19	33.00	PASS
Band7	15MHz	16QAM	20825	38RB#18	19.84	18.24	33.00	PASS
Band7	15MHz	16QAM	20825	38RB#37	19.85	18.25	33.00	PASS

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Band7	15MHz	16QAM	20825	75RB#0	19.87	18.27	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#0	19.66	18.06	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#38	19.50	17.90	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#74	19.79	18.19	33.00	PASS
Band7	15MHz	16QAM	21100	38RB#0	19.50	17.90	33.00	PASS
Band7	15MHz	16QAM	21100	38RB#18	19.71	18.11	33.00	PASS
Band7	15MHz	16QAM	21100	38RB#37	19.77	18.17	33.00	PASS
Band7	15MHz	16QAM	21100	75RB#0	19.60	18.00	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#0	19.68	18.08	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#38	19.78	18.18	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#74	19.41	17.81	33.00	PASS
Band7	15MHz	16QAM	21375	38RB#0	19.30	17.70	33.00	PASS
Band7	15MHz	16QAM	21375	38RB#18	19.50	17.90	33.00	PASS
Band7	15MHz	16QAM	21375	38RB#37	19.52	17.92	33.00	PASS
Band7	15MHz	16QAM	21375	75RB#0	19.47	17.87	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#0	19.54	17.94	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#49	19.68	18.08	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#99	19.75	18.15	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#0	19.55	17.95	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#25	19.57	17.97	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#50	19.58	17.98	33.00	PASS
Band7	20MHz	QPSK	20850	100RB#0	19.88	18.28	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#0	19.29	17.69	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#49	19.51	17.91	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#99	19.74	18.14	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#0	19.48	17.88	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#25	19.45	17.85	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#50	19.54	17.94	33.00	PASS
Band7	20MHz	QPSK	21100	100RB#0	19.56	17.96	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#0	19.46	17.86	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#49	19.29	17.69	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#99	19.71	18.11	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#0	19.34	17.74	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#25	19.29	17.69	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#50	19.38	17.78	33.00	PASS
Band7	20MHz	QPSK	21350	100RB#0	19.33	17.73	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#0	20.17	18.57	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#49	19.66	18.06	33.00	PASS

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Band7	20MHz	16QAM	20850	1RB#99	20.15	18.55	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#0	19.59	17.99	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#25	19.69	18.09	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#50	19.70	18.10	33.00	PASS
Band7	20MHz	16QAM	20850	100RB#0	19.88	18.28	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#0	19.61	18.01	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#49	20.05	18.45	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#99	20.28	18.68	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#0	19.38	17.78	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#25	19.51	17.91	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#50	19.61	18.01	33.00	PASS
Band7	20MHz	16QAM	21100	100RB#0	19.67	18.07	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#0	19.49	17.89	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#49	19.47	17.87	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#99	20.19	18.59	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#0	19.37	17.77	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#25	19.37	17.77	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#50	19.52	17.92	33.00	PASS
Band7	20MHz	16QAM	21350	100RB#0	19.43	17.83	33.00	PASS

Remark:

a: For getting the EIRP (Efficient Isotropic Radiated Power), the following formula should be taken to calculate it,

ERP [dBm] = Conducted Power [dBm] + Gain [dBd]

EIRP [dBm] = Conducted Power [dBm] + Gain [dBi]

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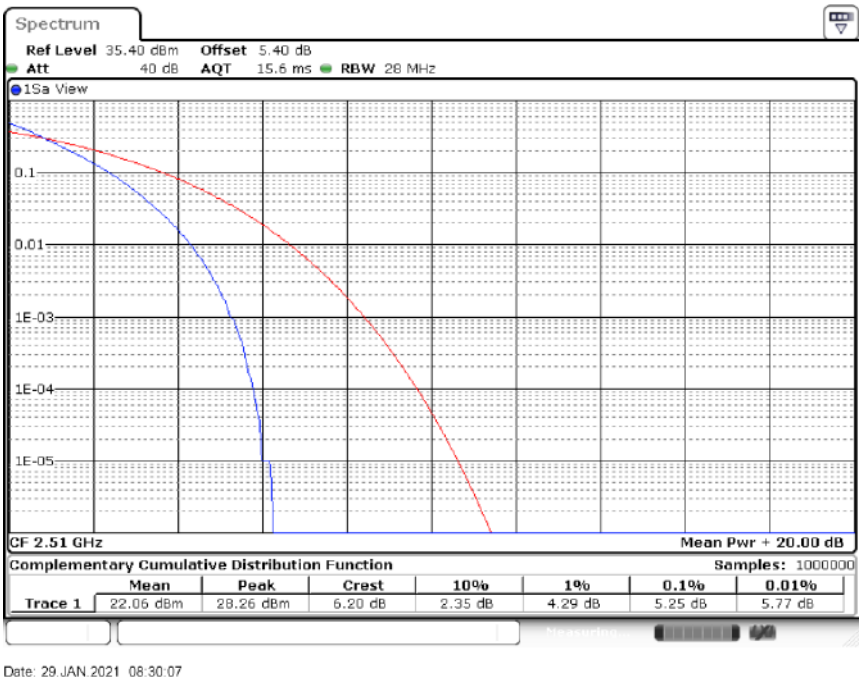
2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	5.25	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.19	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.13	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	6.06	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.03	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	6.00	13	PASS

2.2. Test Plots

Band7-20MHz-QPSK-20850-100RB#0



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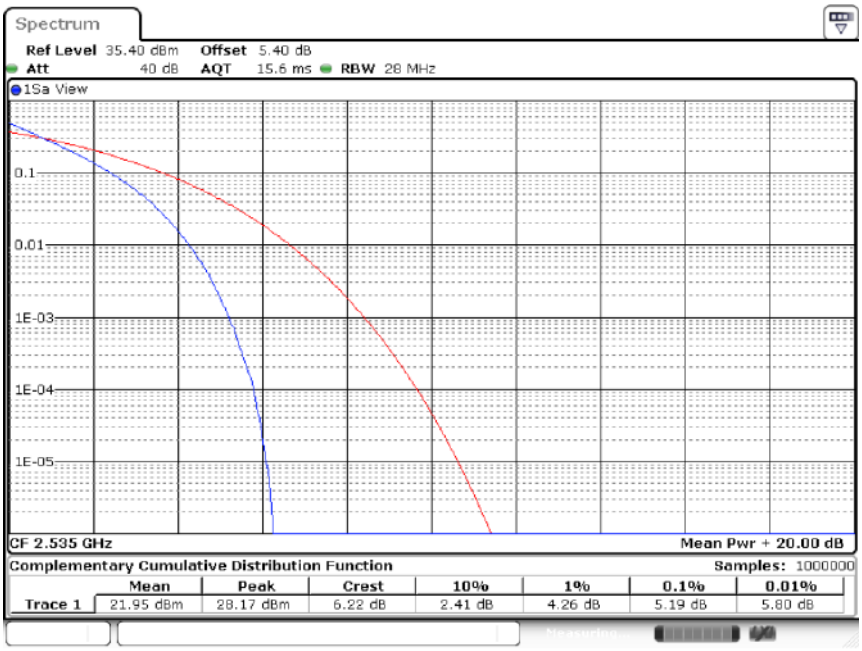
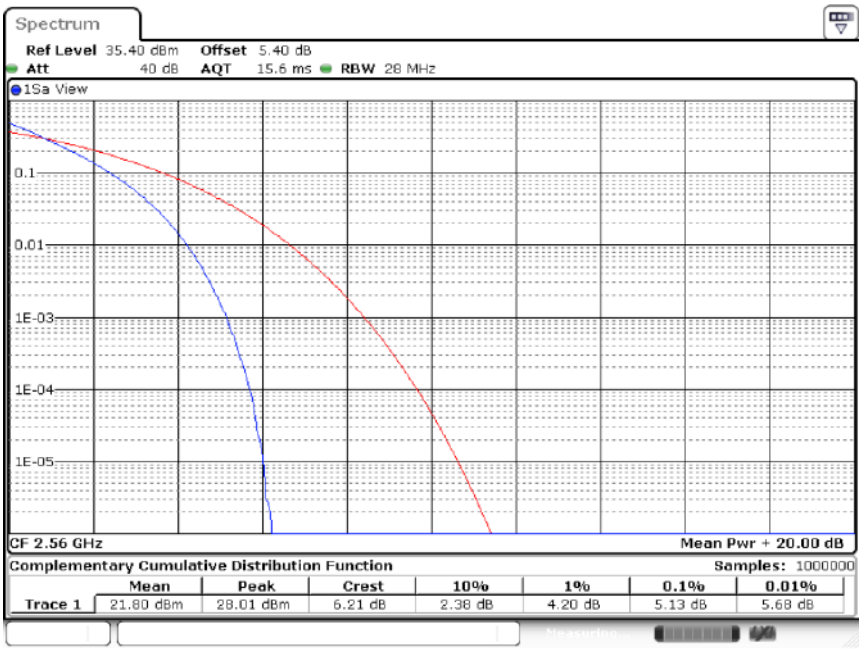
Band7-20MHz-QPSK-21100-100RB#0



Date: 29.JAN.2021 08:30:30

Band7-20MHz-QPSK-21350-100RB#0



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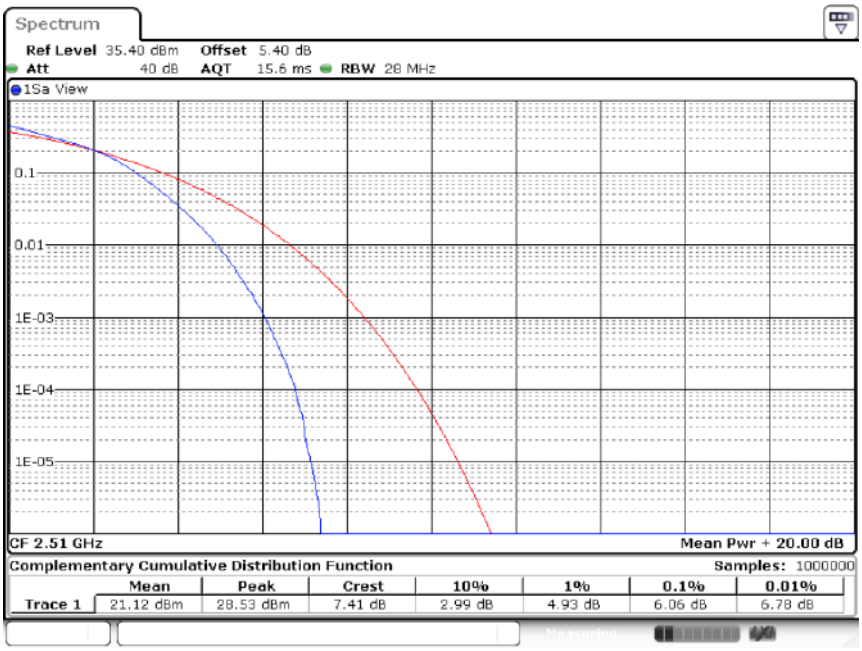
Band7-20MHz-16QAM-20850-100RB#0



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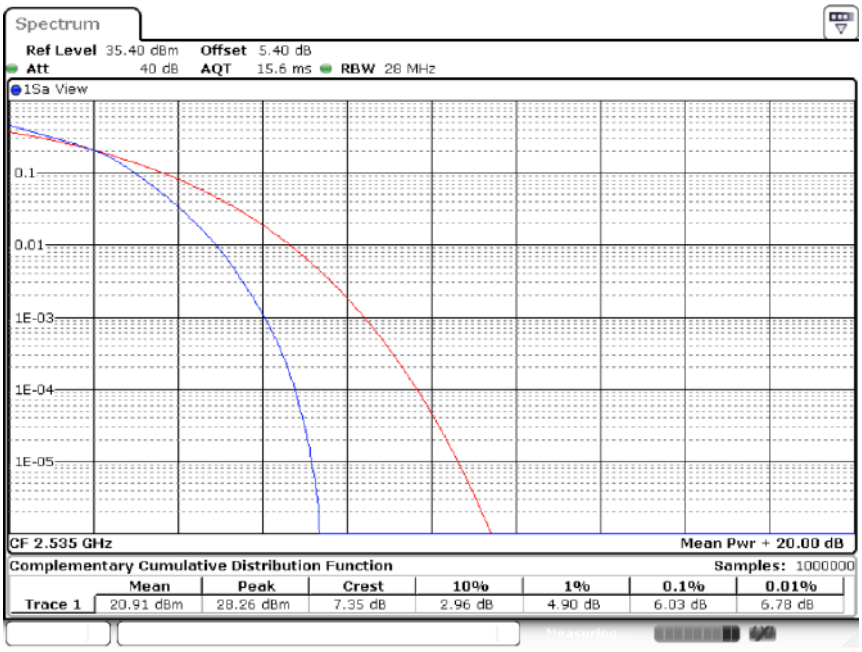
Band7-20MHz-16QAM-21100-100RB#0



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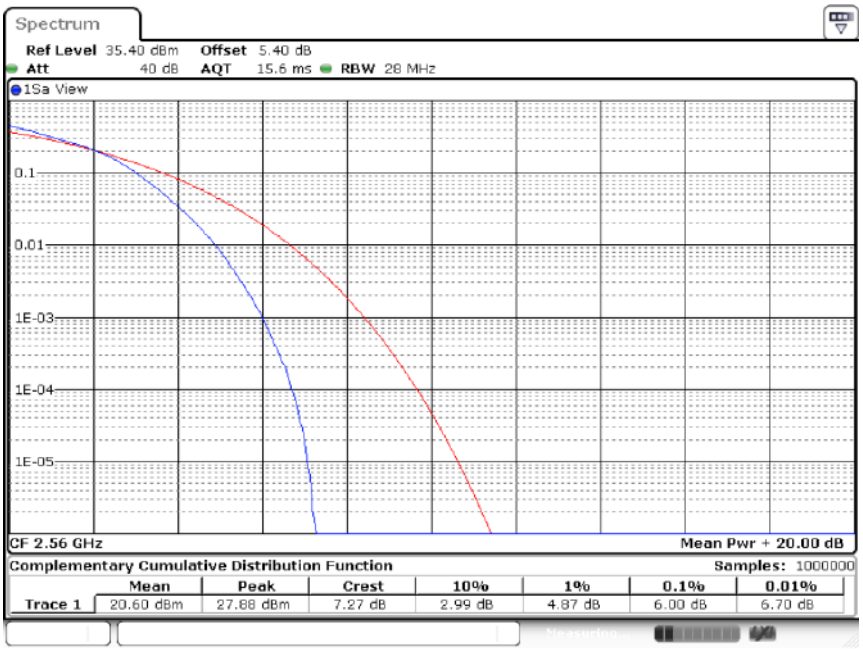
Band7-20MHz-16QAM-21350-100RB#0



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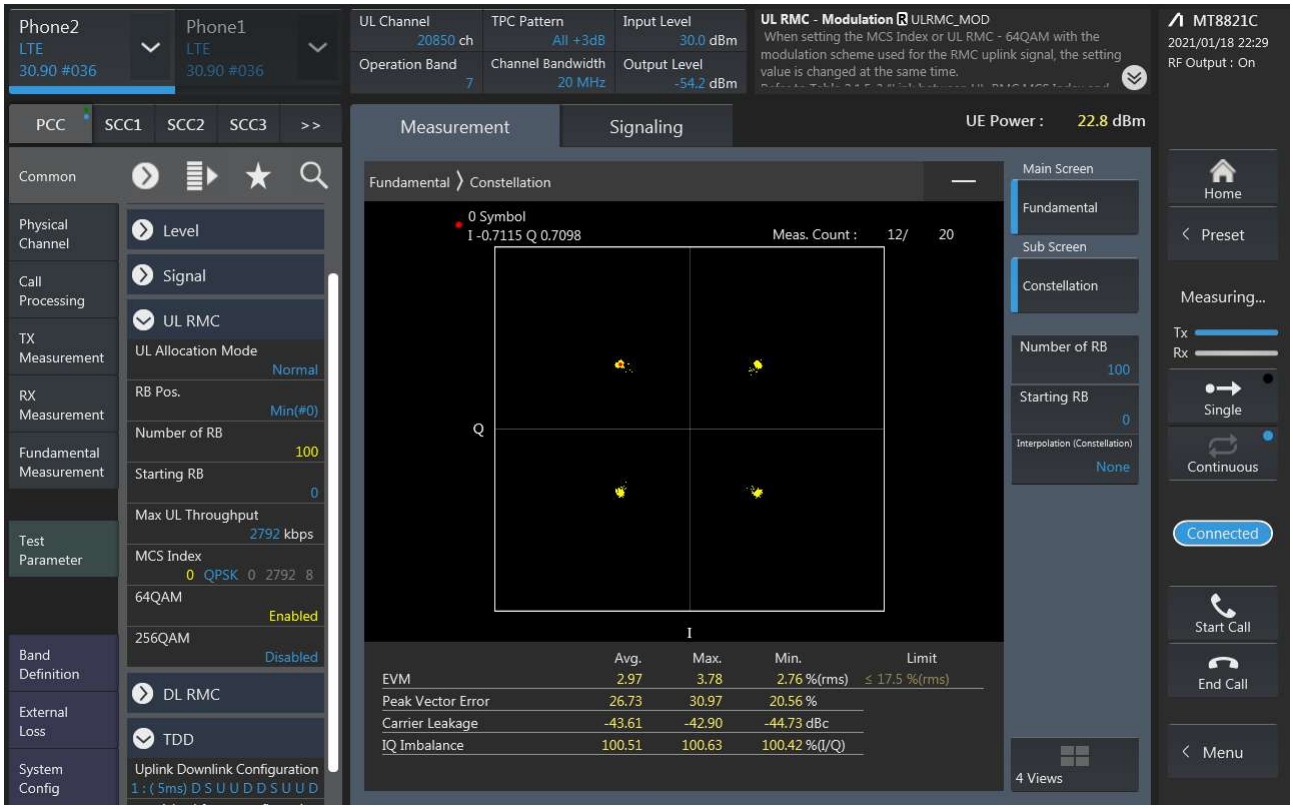
3. Modulation Characteristics

3.1. Test Band = LTE Band 7

3.1.1.Test Mode = LTE /TM1 20MHz

3.1.1.1. Test Channel = MCH



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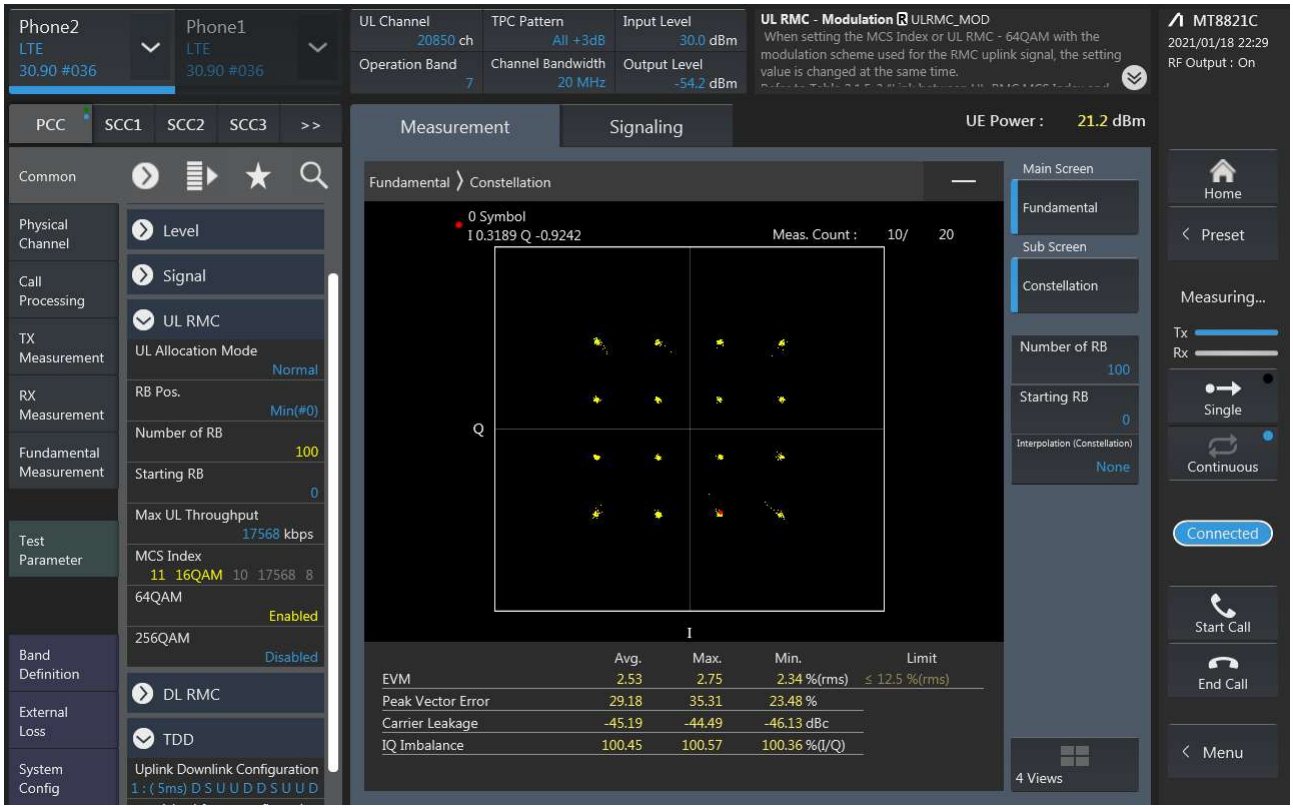
3.1.2.Test Mode = LTE /TM2 20MHz

3.1.2.1. Test Channel = MCH



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4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.476	4.930	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.476	4.920	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.476	4.920	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.476	4.950	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.486	4.940	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.496	4.940	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.931	9.720	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.931	9.740	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.911	9.760	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.931	9.760	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.951	9.740	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.951	9.760	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.427	14.820	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.487	14.760	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.487	14.790	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.457	14.790	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.457	14.730	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.457	14.820	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.902	19.440	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.902	19.480	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.902	19.440	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.902	19.400	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.902	19.440	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.902	19.400	PASS

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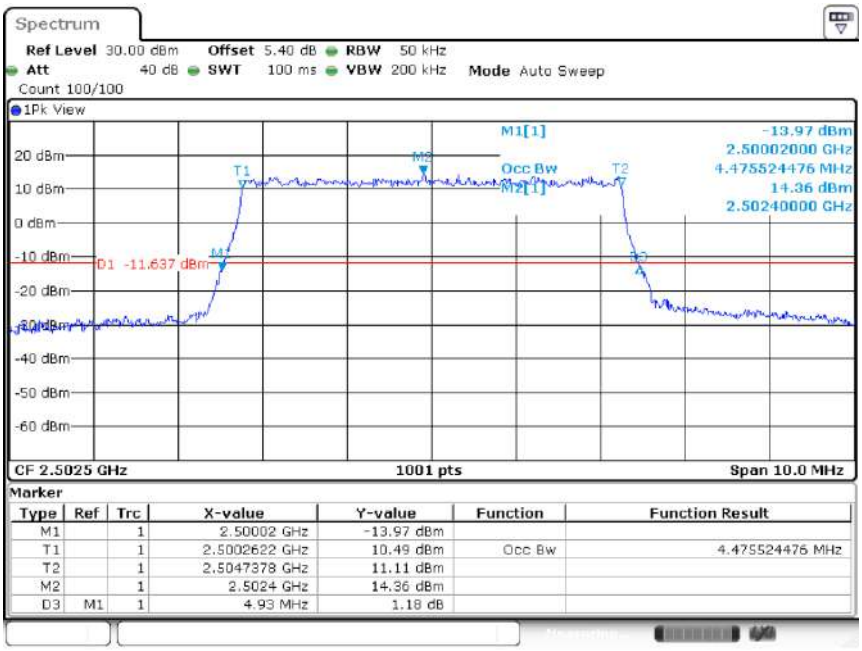
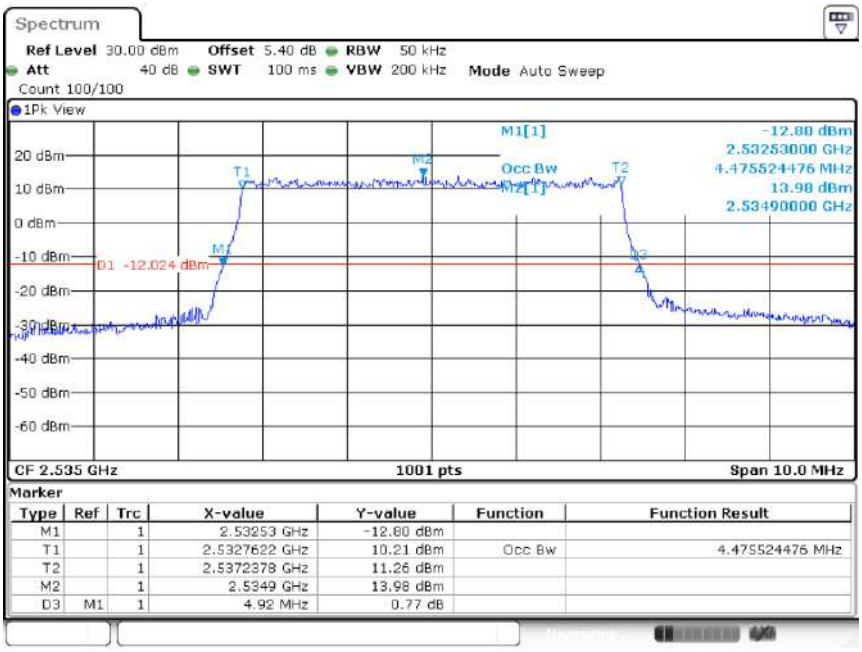
4.2. Test Plots

Band7-5MHz-QPSK-20775-25RB#0-4.476



Date: 28.JAN.2021 22:45:39

Band7-5MHz-QPSK-21100-25RB#0-4.476



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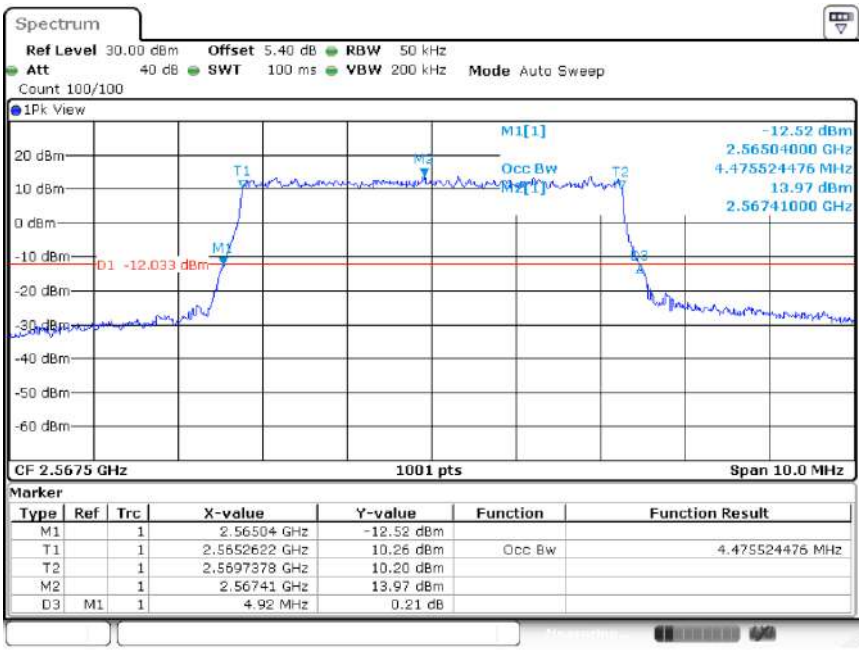
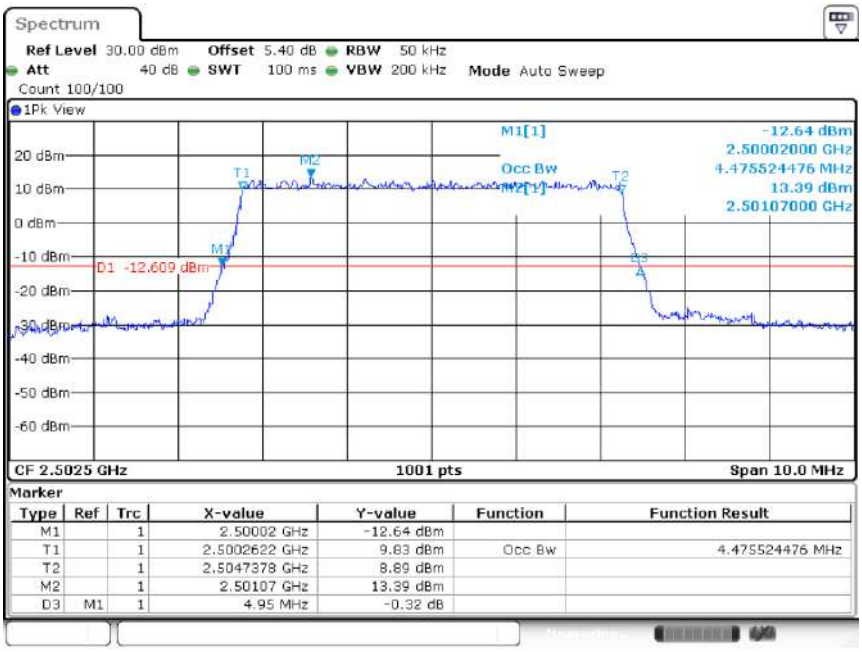
Band7-5MHz-QPSK-21425-25RB#0-4.476



Date: 28.JAN.2021 22:46:59

Band7-5MHz-16QAM-20775-25RB#0-4.476



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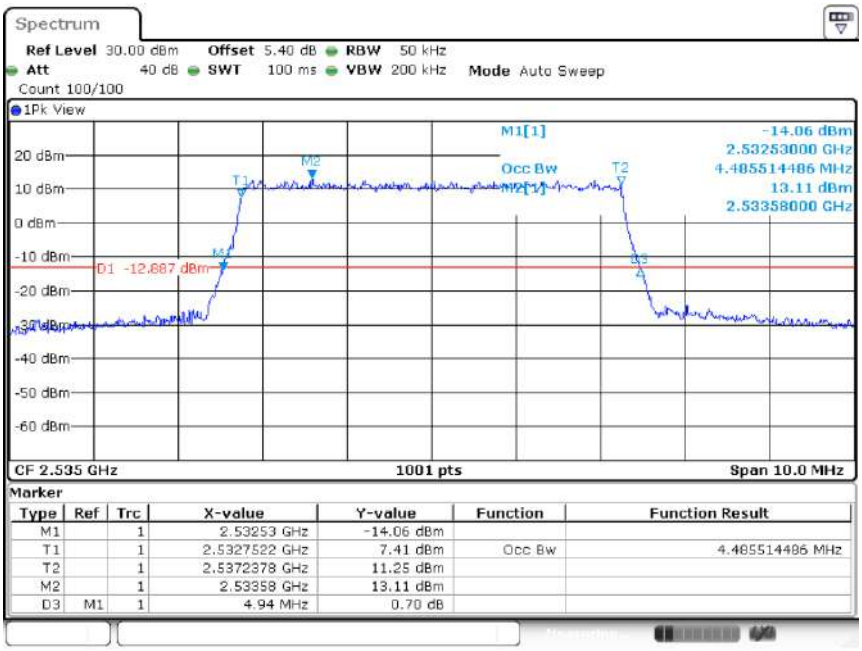
Band7-5MHz-16QAM-21100-25RB#0-4.486

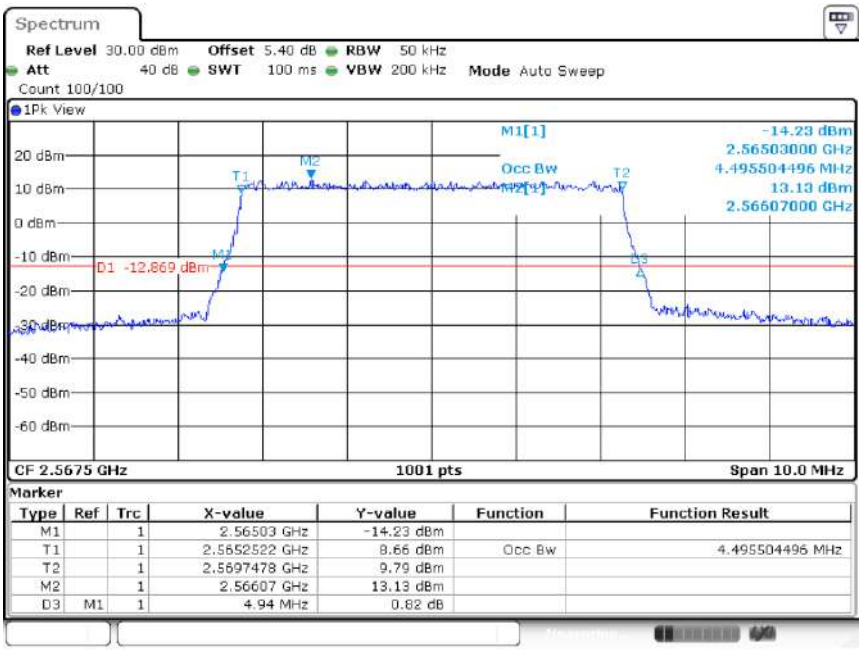


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.53253 GHz	-14.06 dBm		
T1		1	2.5327522 GHz	7.41 dBm	Occ Bw	4.485514486 MHz
T2		1	2.5372378 GHz	11.25 dBm		
M2		1	2.53358 GHz	13.11 dBm		
D3	M1	1	4.94 MHz	0.70 dB		

Date: 28.JAN.2021 22:46:39

Band7-5MHz-16QAM-21425-25RB#0-4.496



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.56503 GHz	-14.23 dBm		
T1		1	2.5652522 GHz	8.66 dBm	Occ Bw	4.495504496 MHz
T2		1	2.5697478 GHz	9.79 dBm		
M2		1	2.56607 GHz	13.13 dBm		
D3	M1	1	4.94 MHz	0.82 dB		

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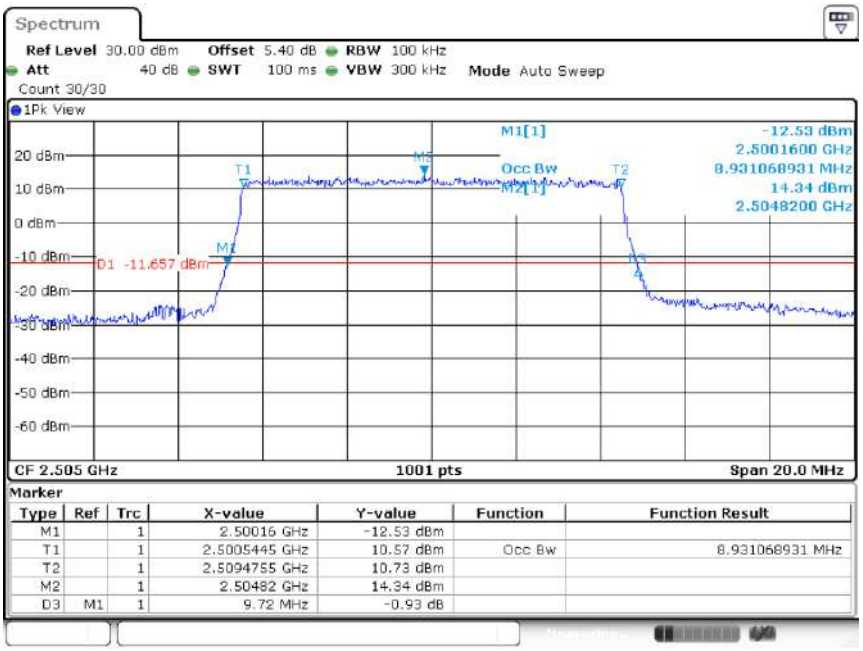
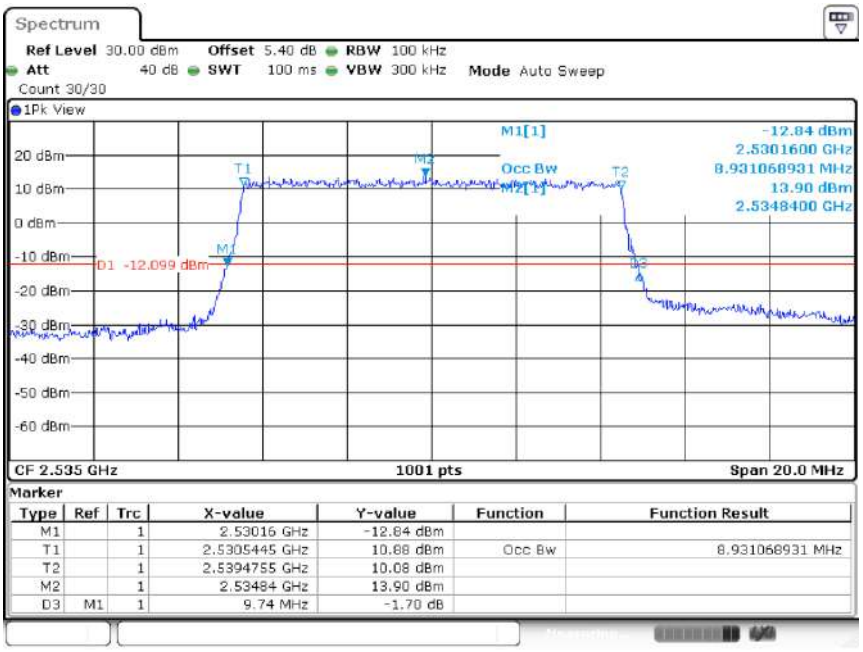
Band7-10MHz-QPSK-20800-50RB#0-8.931



Band7-10MHz-QPSK-21100-50RB#0-8.931



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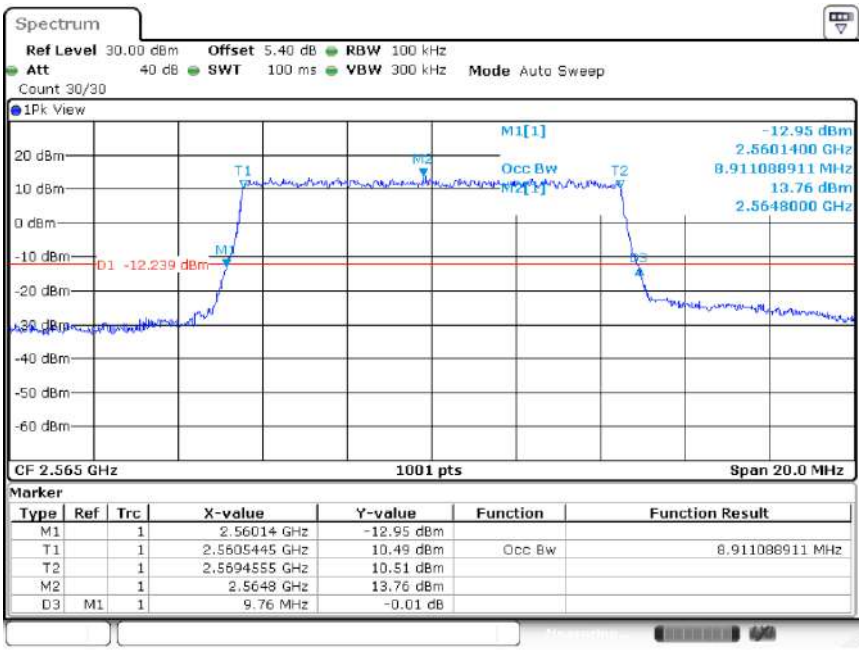
Band7-10MHz-QPSK-21400-50RB#0-8.911



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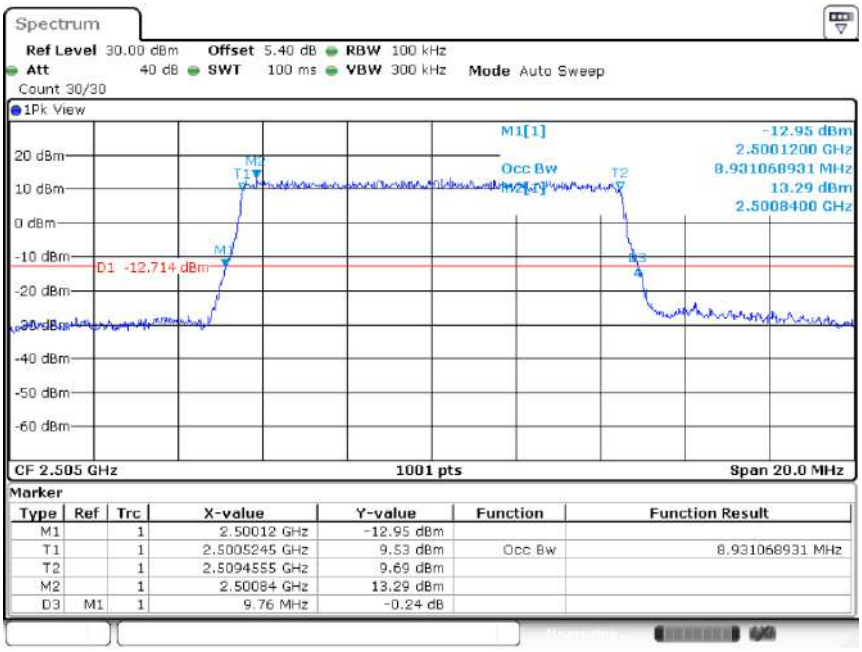
Band7-10MHz-16QAM-20800-50RB#0-8.931



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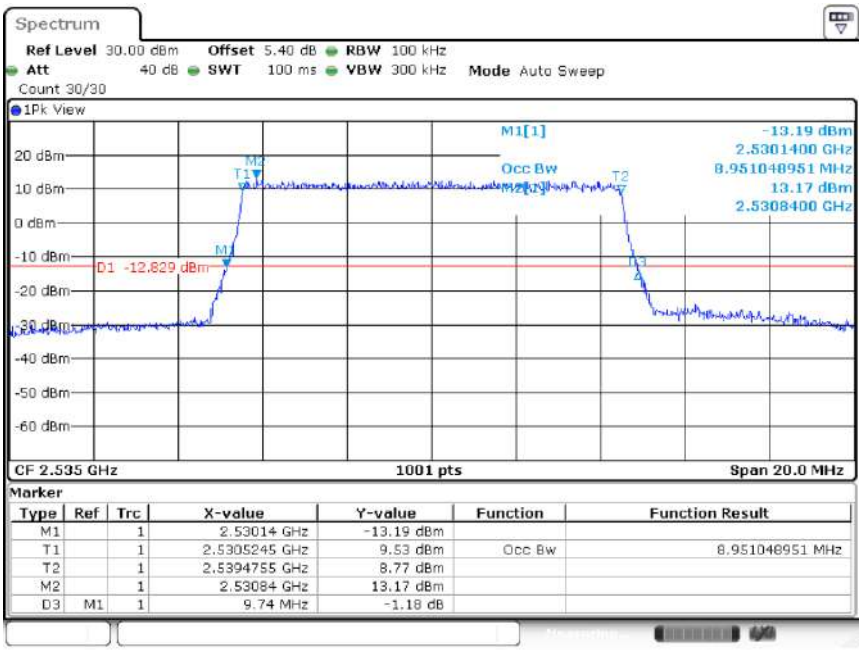
Band7-10MHz-16QAM-21100-50RB#0-8.951



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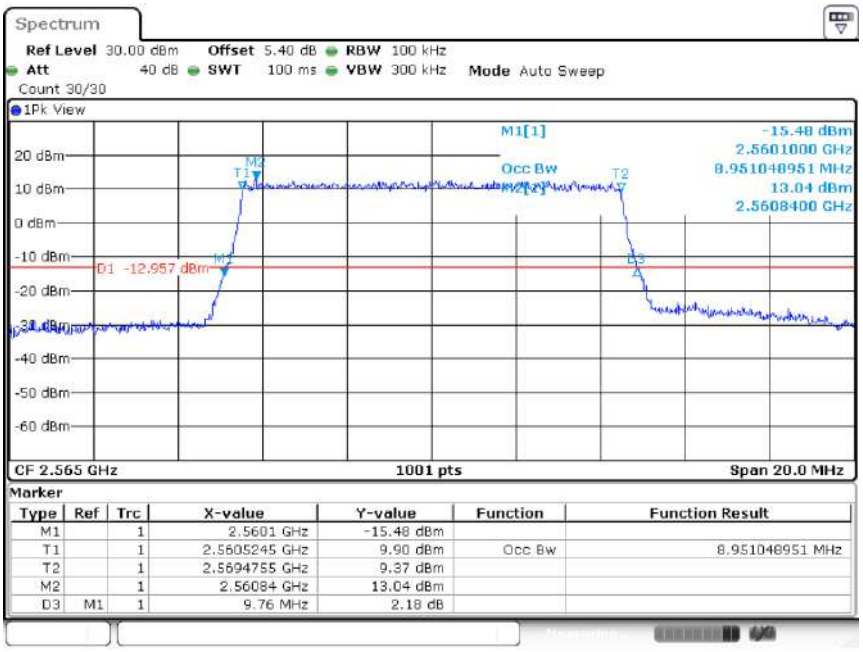
Band7-10MHz-16QAM-21400-50RB#0-8.951



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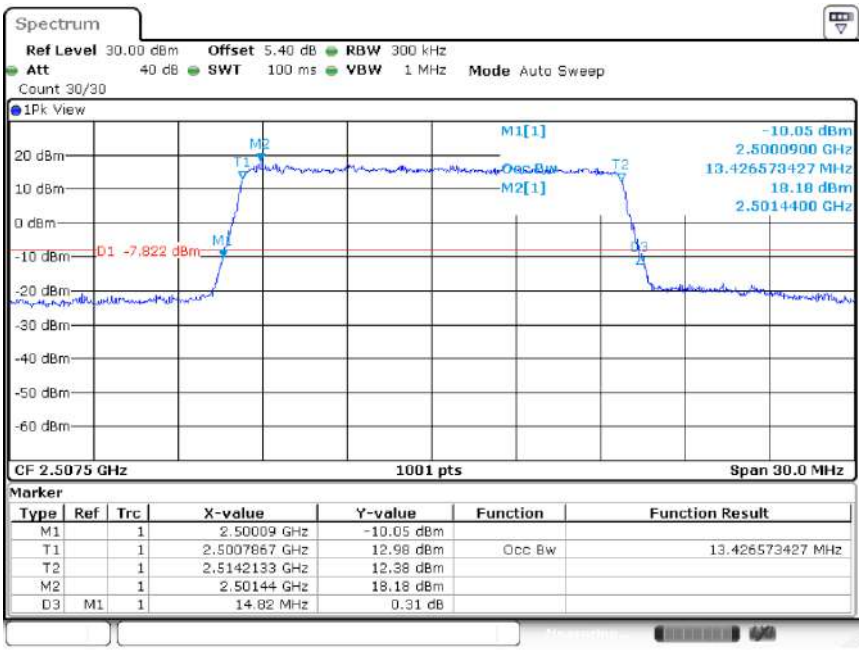
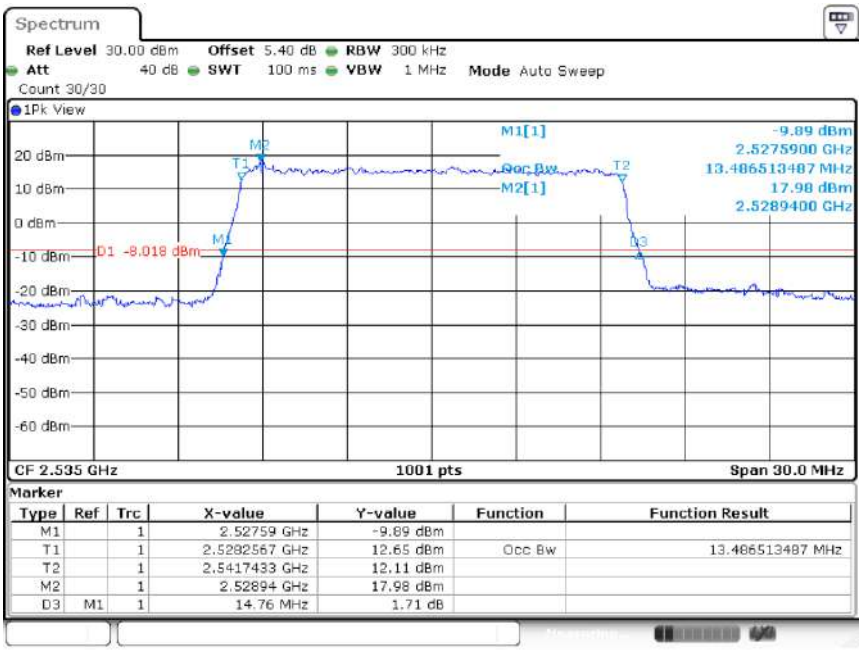
Band7-15MHz-QPSK-20825-75RB#0-13.427



Date: 28.JAN.2021 22:48:58

Band7-15MHz-QPSK-21100-75RB#0-13.487



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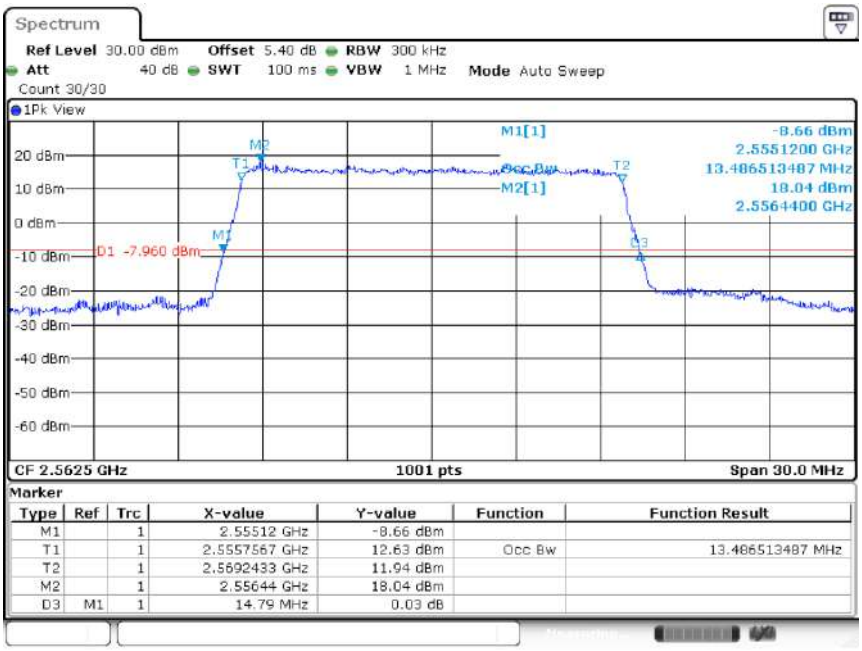
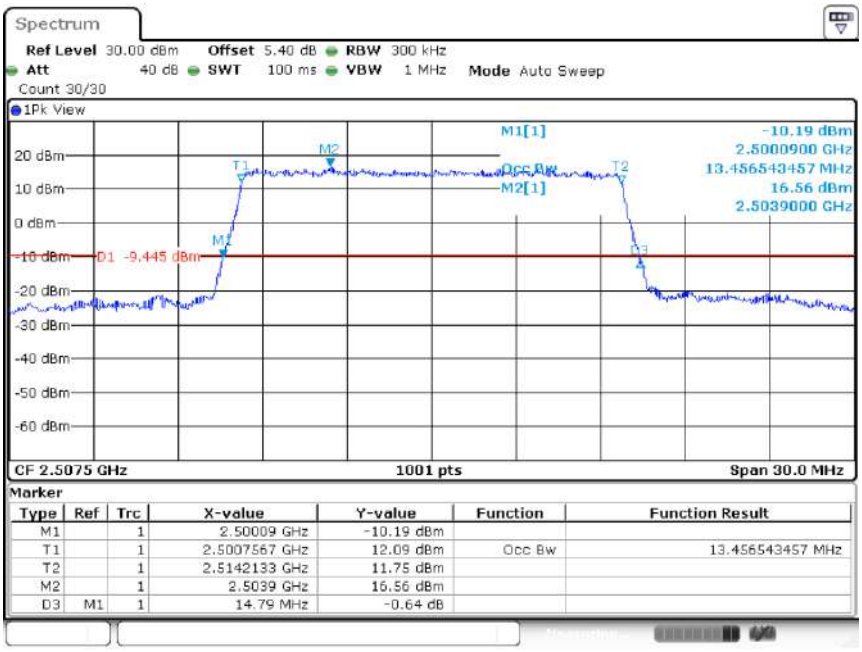


Date: 28.JAN.2021 22:49:49

Band7-15MHz-16QAM-20825-75RB#0-13.457



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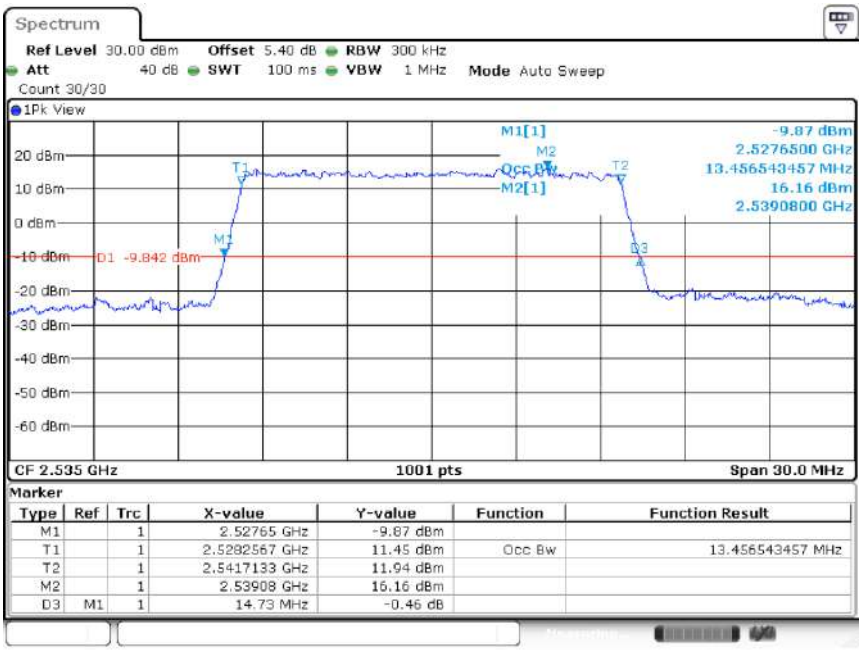
Band7-15MHz-16QAM-21100-75RB#0-13.457



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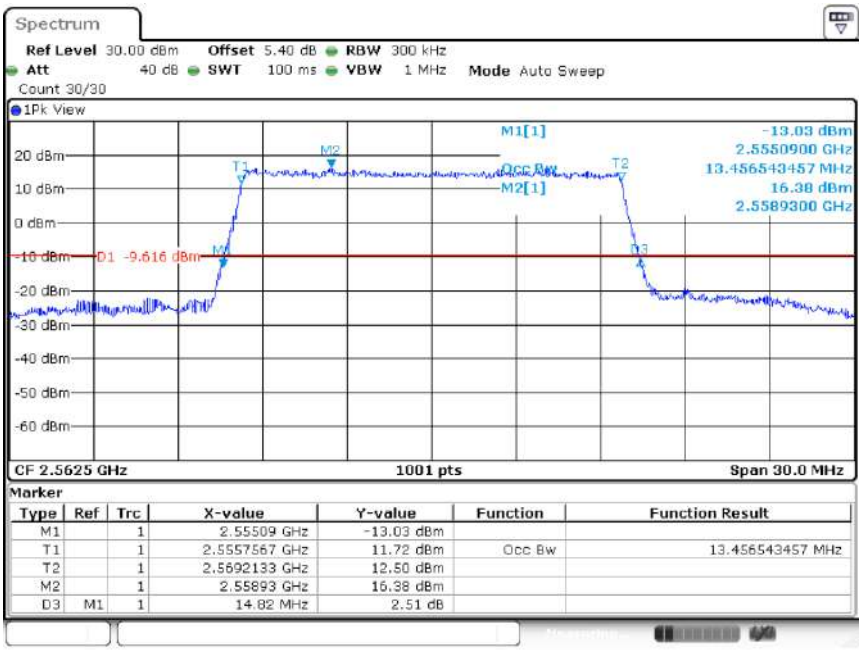
Band7-15MHz-16QAM-21375-75RB#0-13.457



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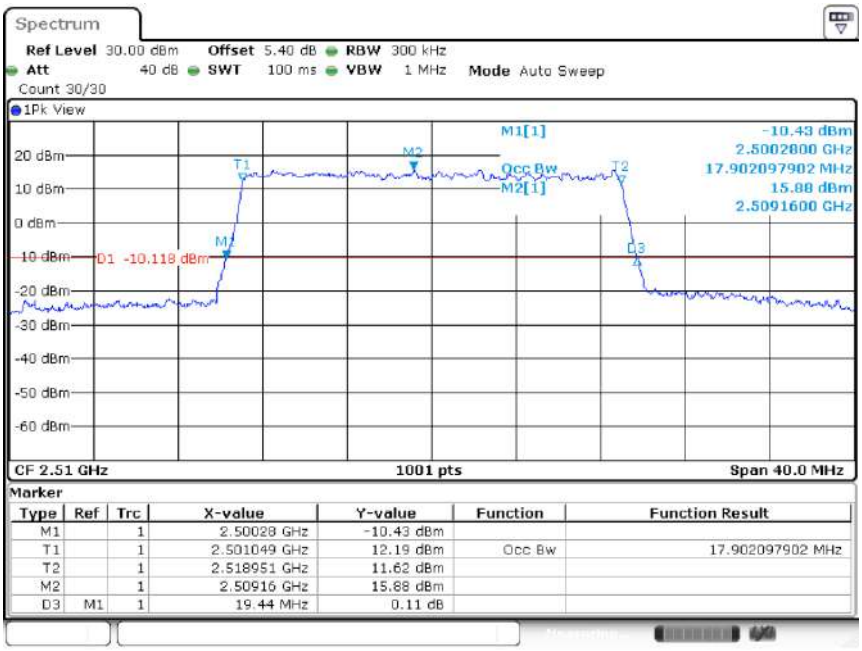
Band7-20MHz-QPSK-20850-100RB#0-17.902



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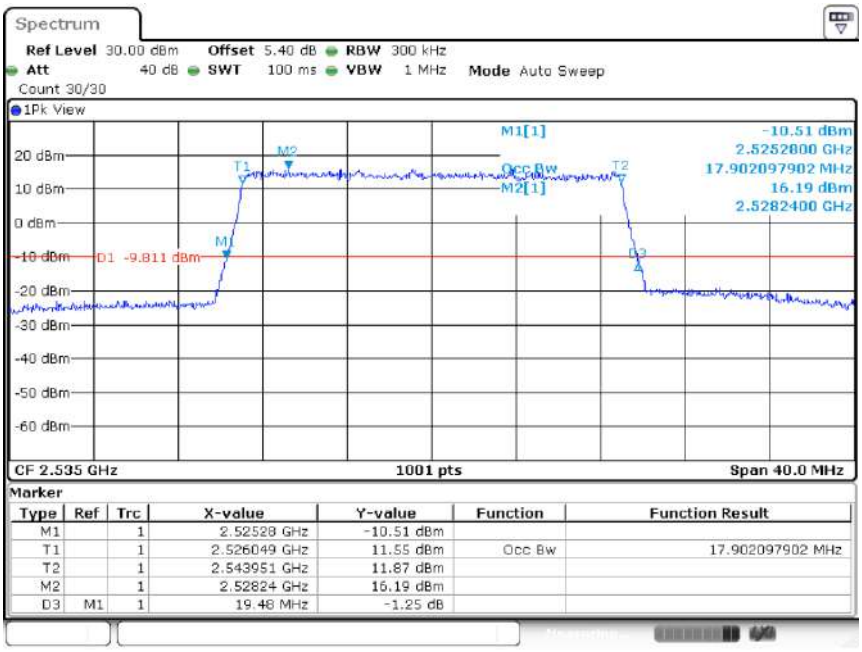
Band7-20MHz-QPSK-21100-100RB#0-17.902



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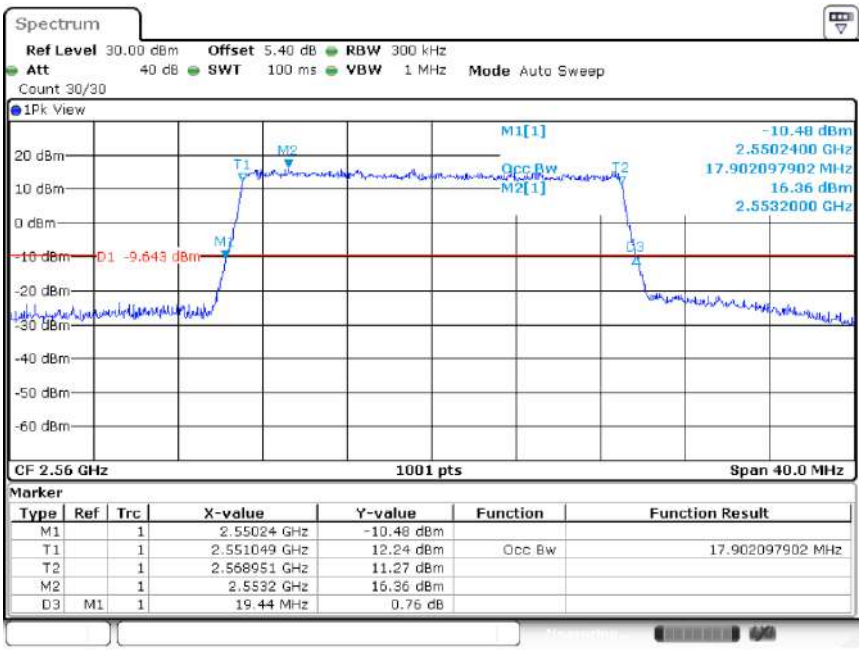
Band7-20MHz-QPSK-21350-100RB#0-17.902



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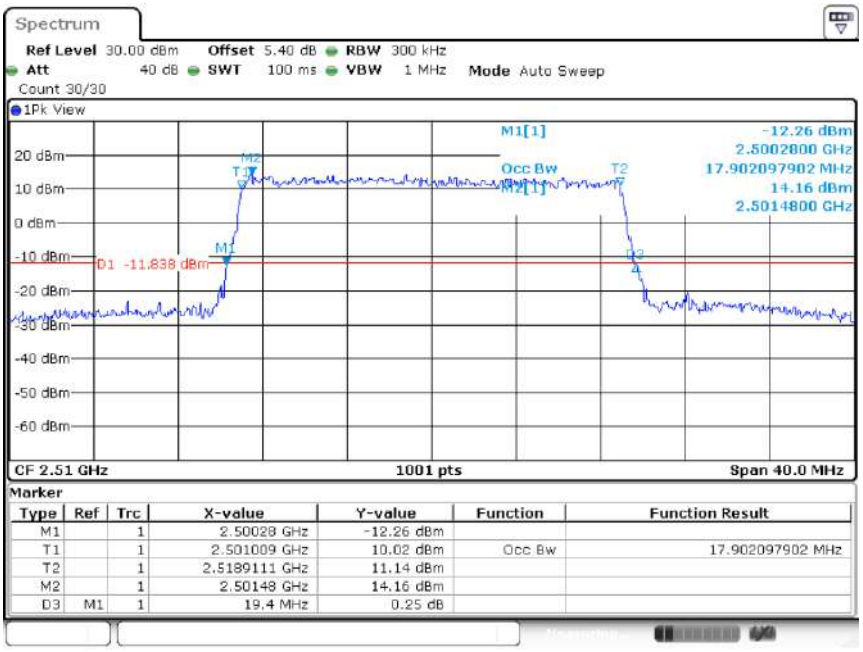
Band7-20MHz-16QAM-20850-100RB#0-17.902



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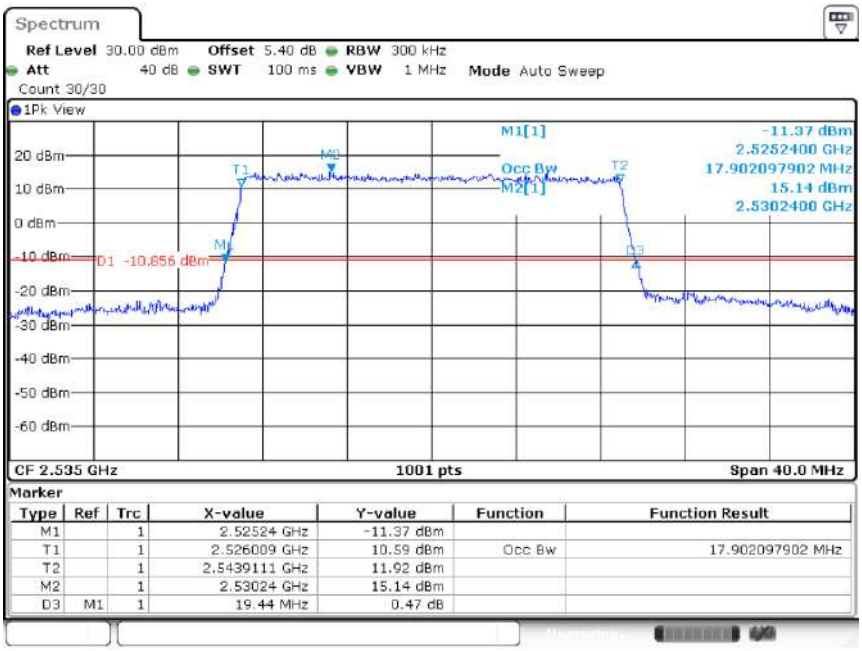
Band7-20MHz-16QAM-21100-100RB#0-17.902



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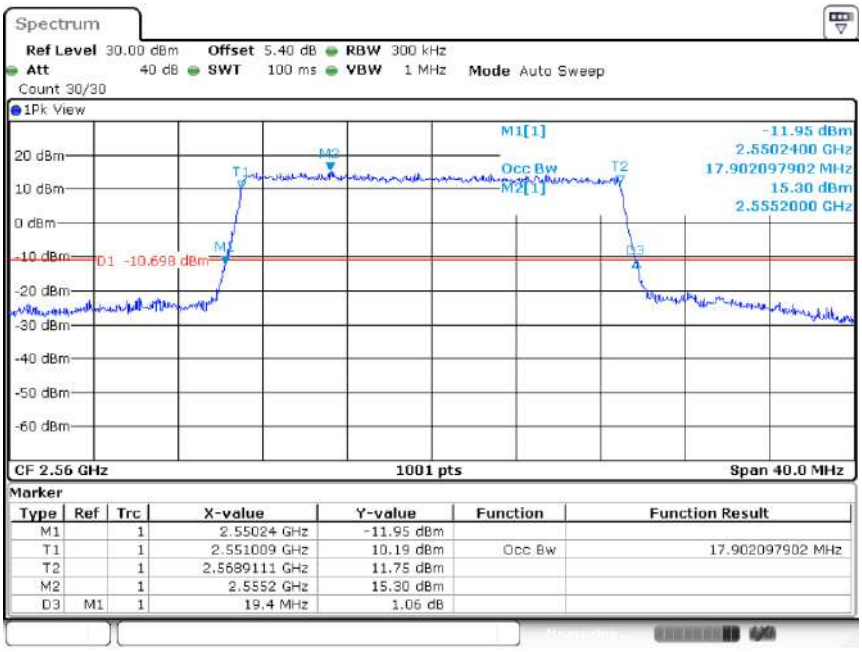

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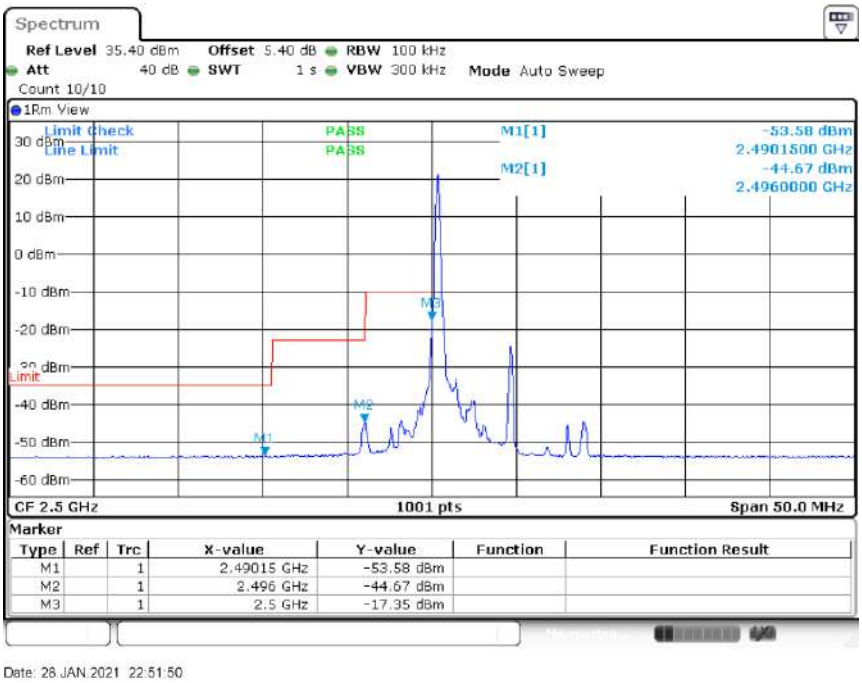
5. Band Edge Compliance

5.1. Test Plots

Band7-5MHz-QPSK-20775-1RB#0



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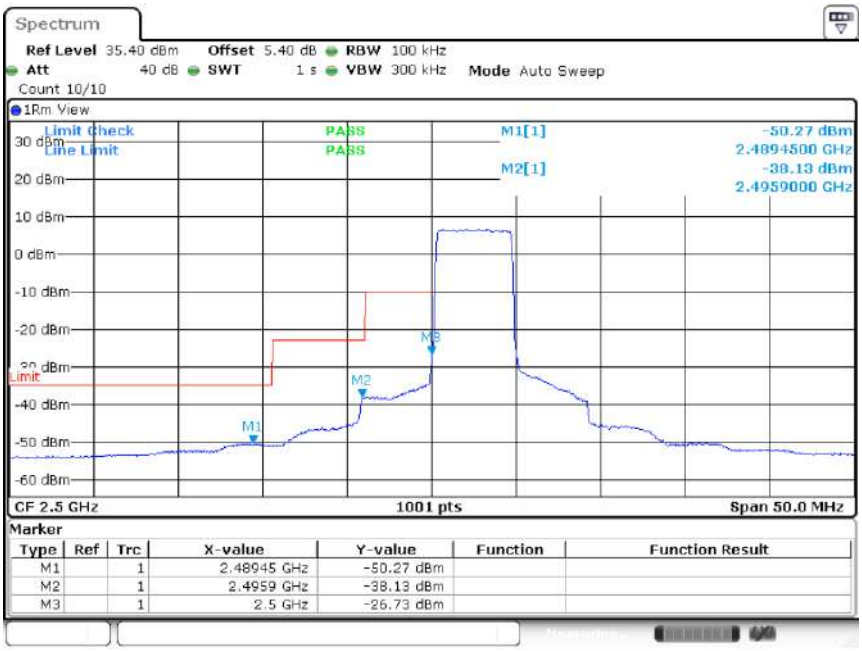
Band7-5MHz-QPSK-20775-25RB#0



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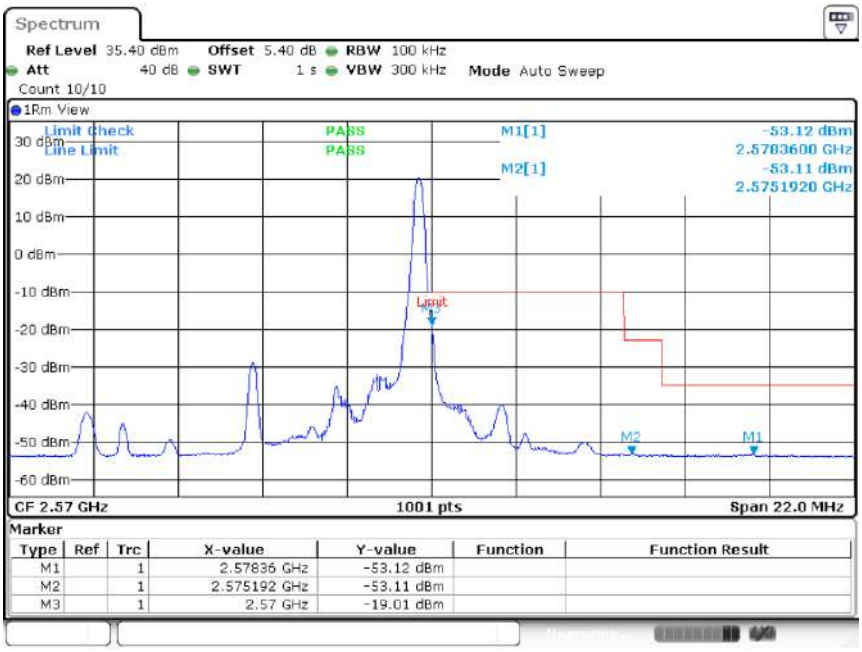
Band7-5MHz-QPSK-21425-1RB#24



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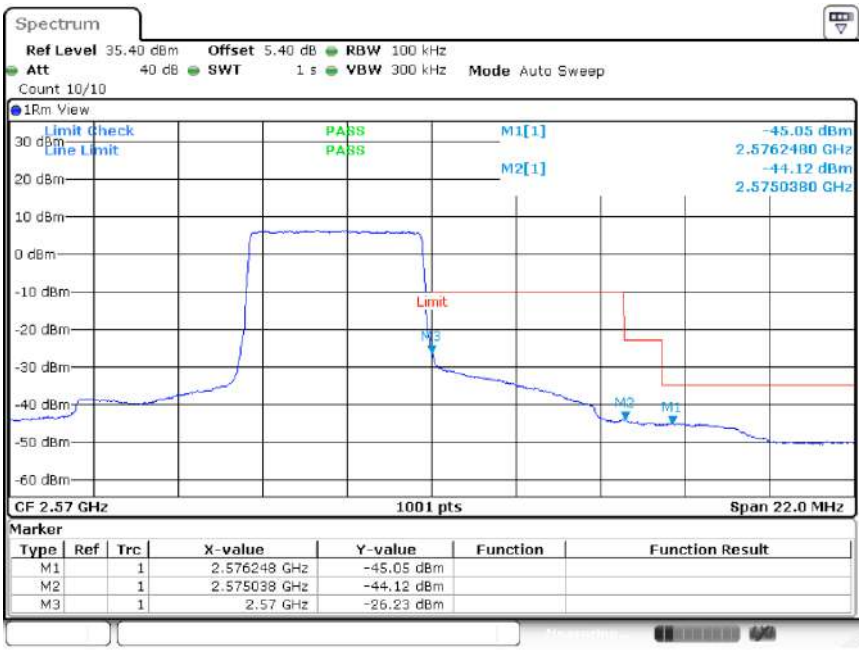
Band7-5MHz-QPSK-21425-25RB#0



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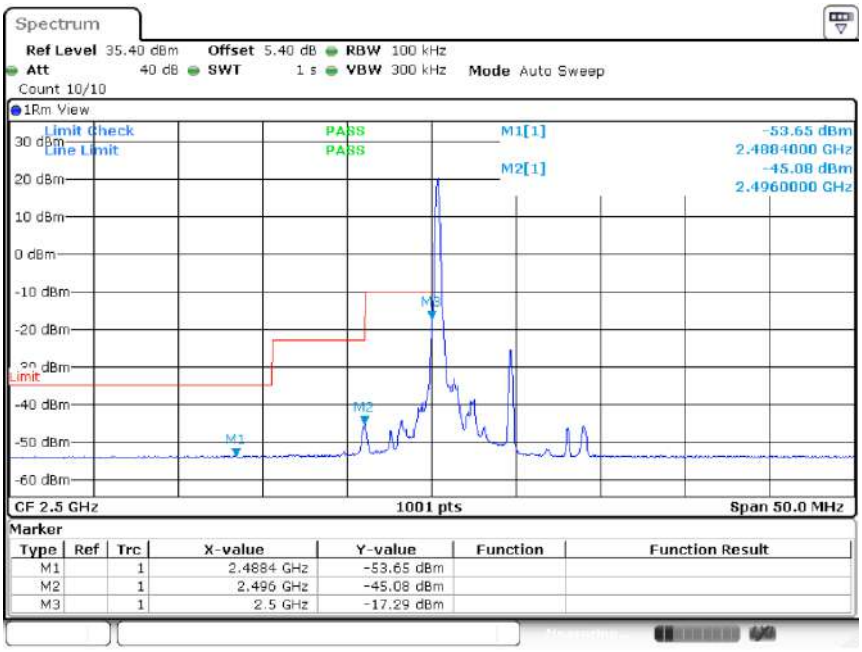
Band7-5MHz-16QAM-20775-1RB#0



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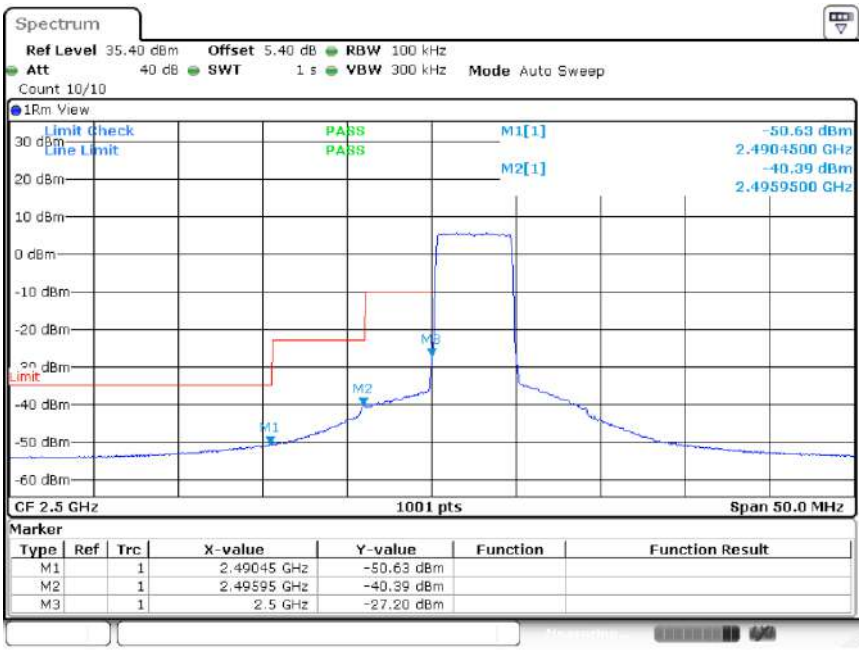
Band7-5MHz-16QAM-20775-25RB#0



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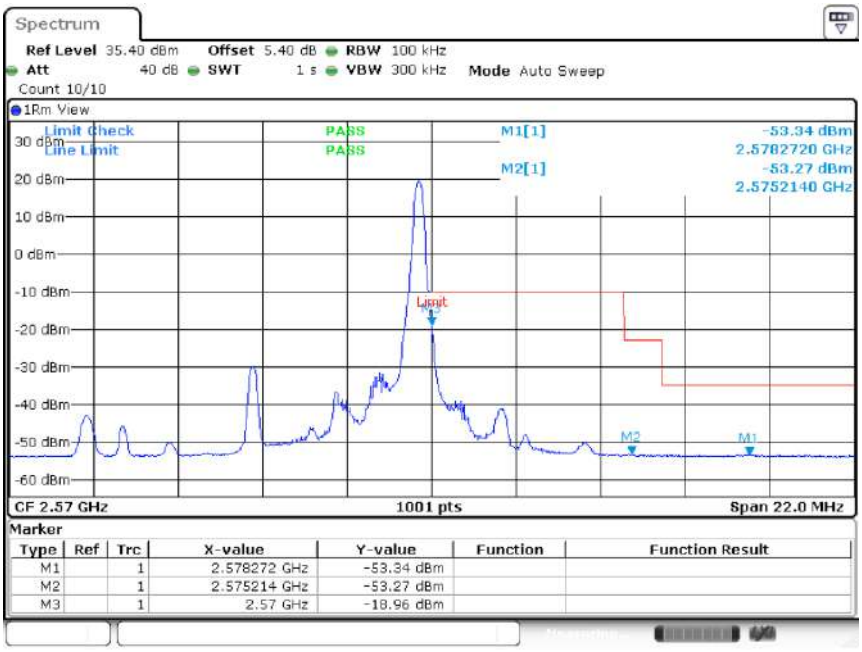

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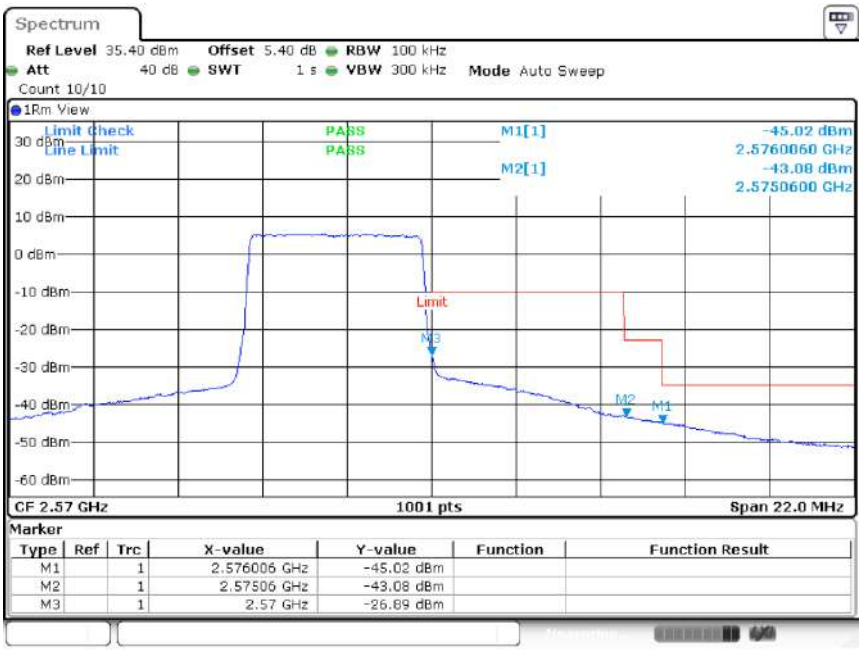
Band7-5MHz-16QAM-21425-25RB#0



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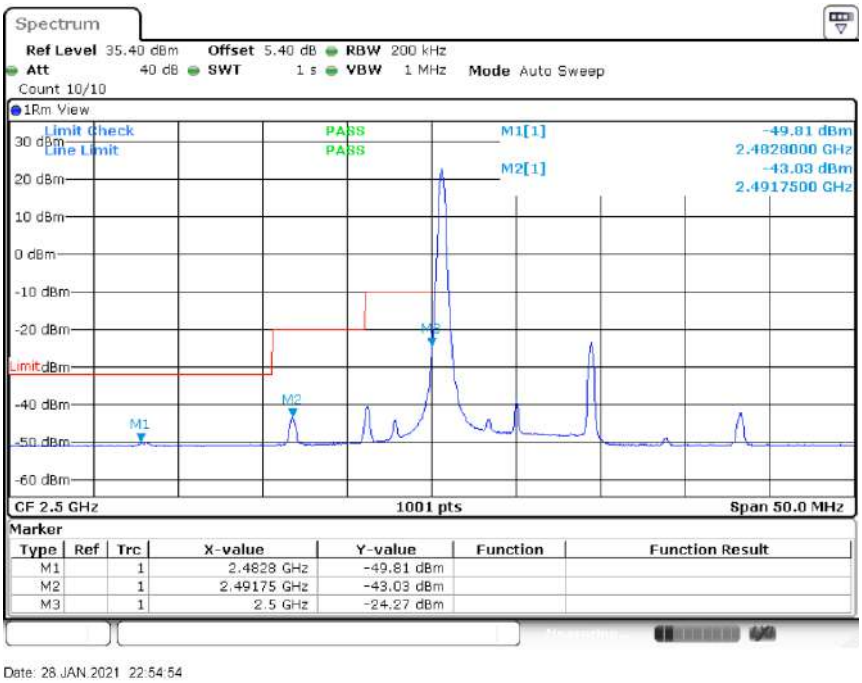

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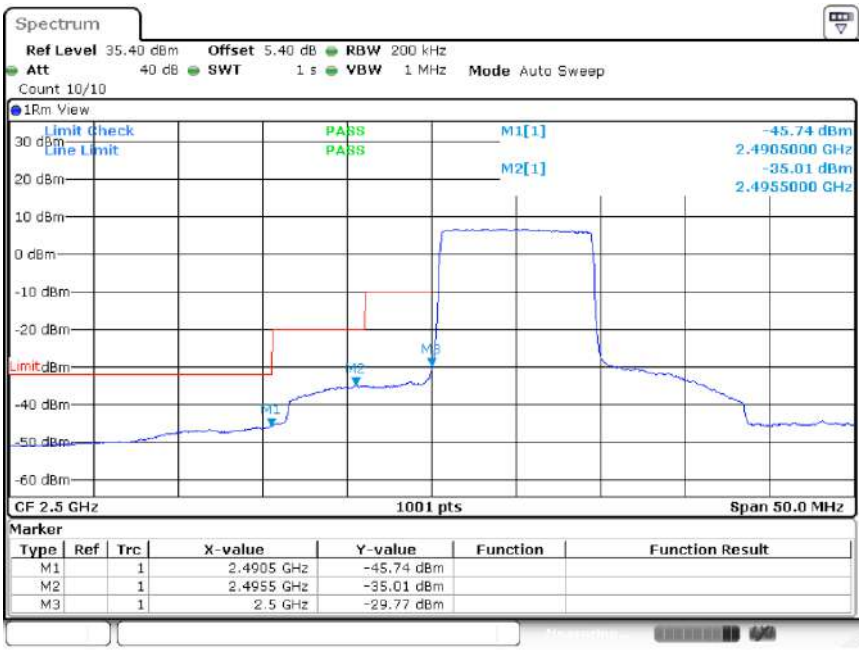

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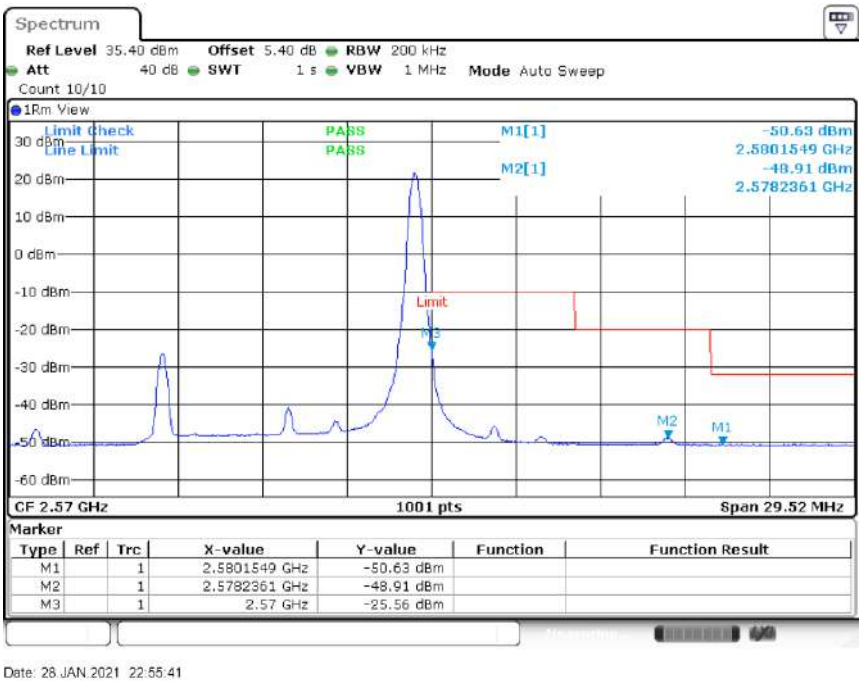

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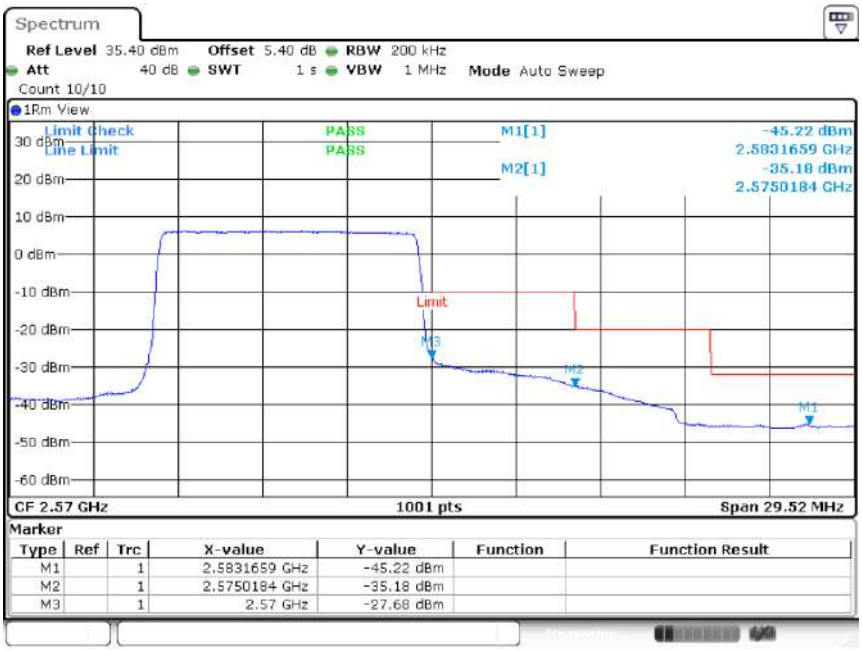

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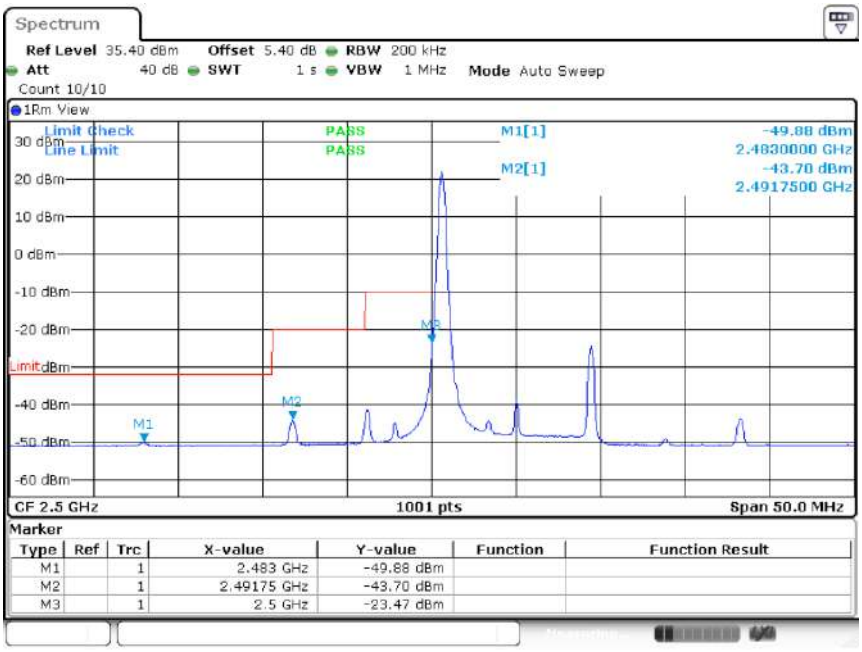

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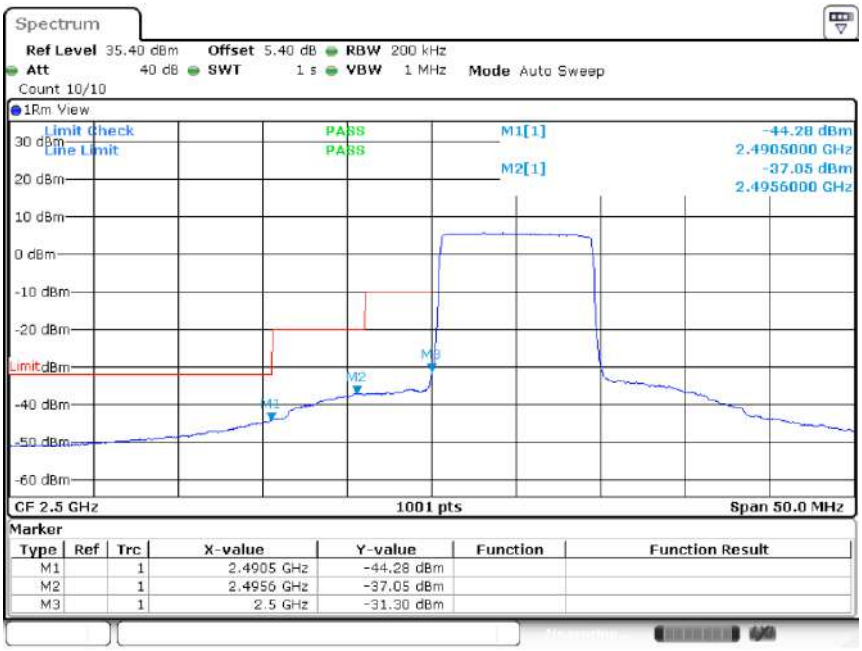

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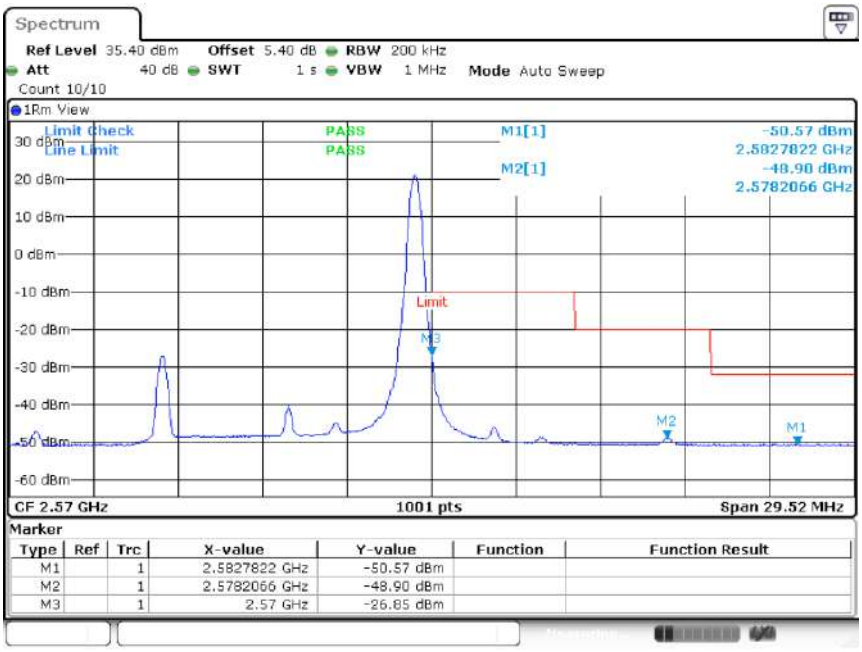
Band7-10MHz-16QAM-21400-1RB#49



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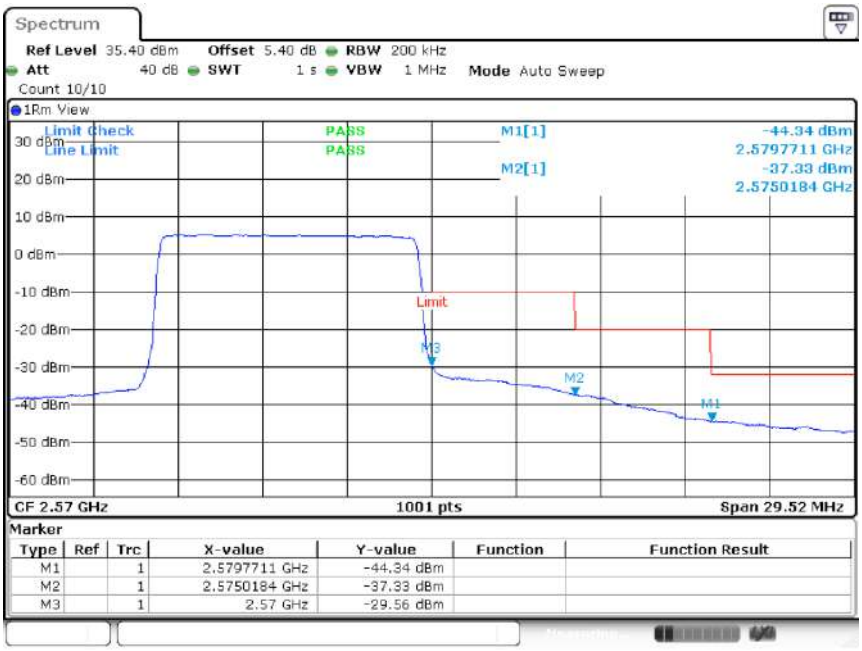

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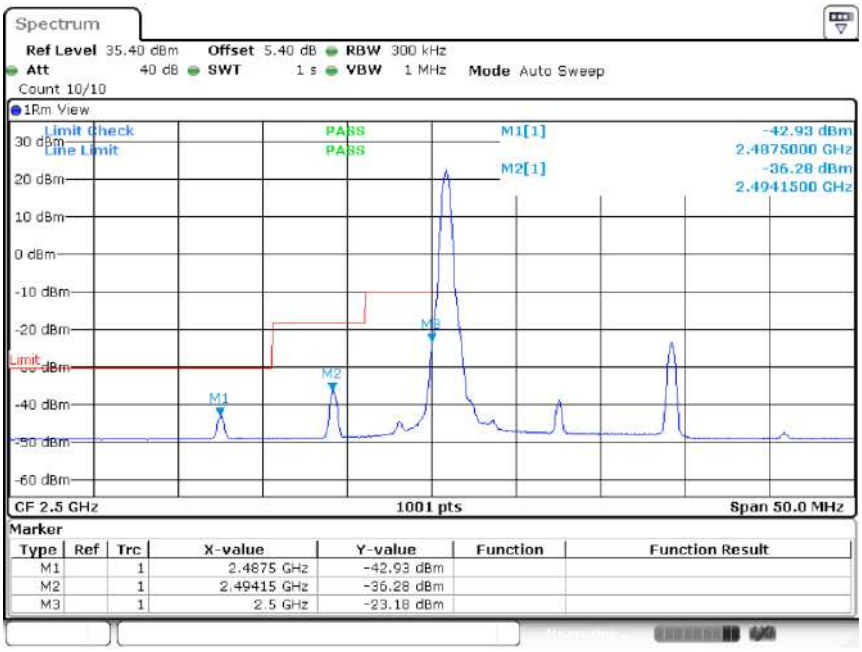
Band7-15MHz-QPSK-20825-1RB#0



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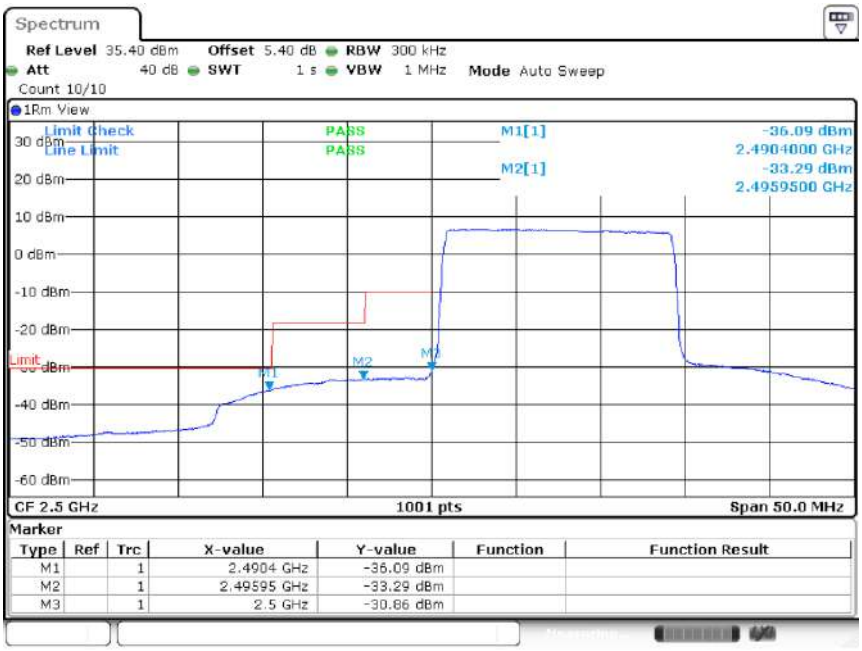
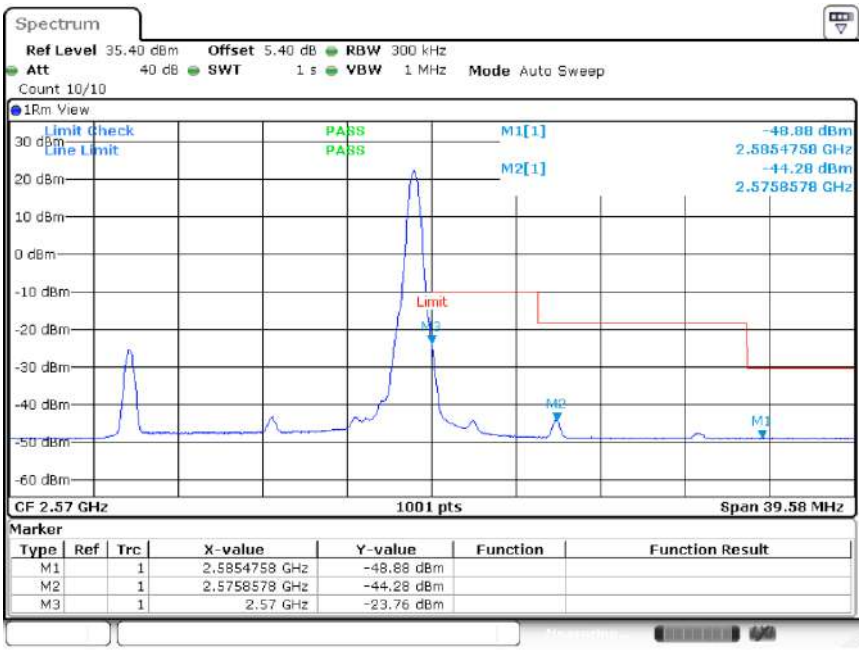
Band7-15MHz-QPSK-20825-75RB#0



Date: 28.JAN.2021 22:59:32

Band7-15MHz-QPSK-21375-1RB#74



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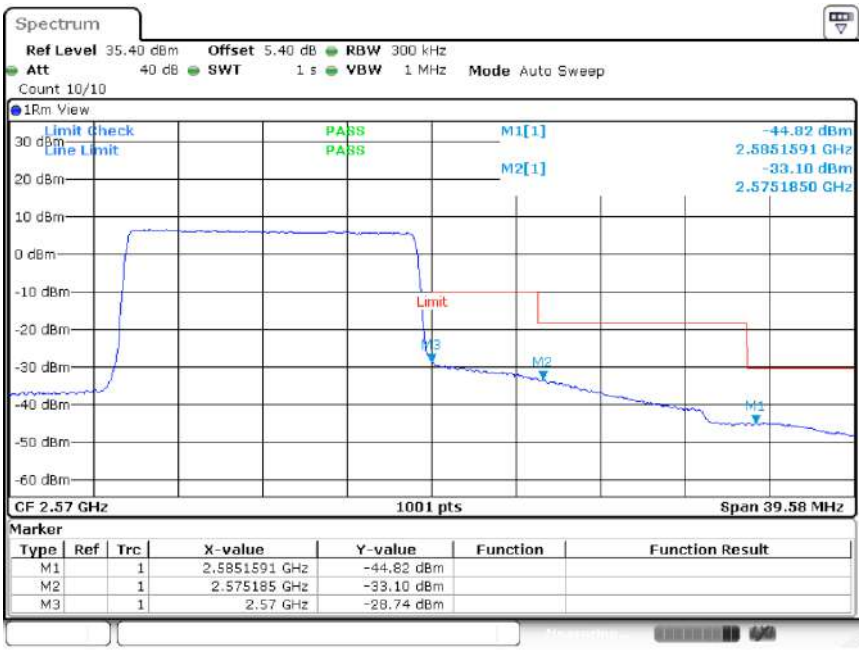
Band7-15MHz-QPSK-21375-75RB#0



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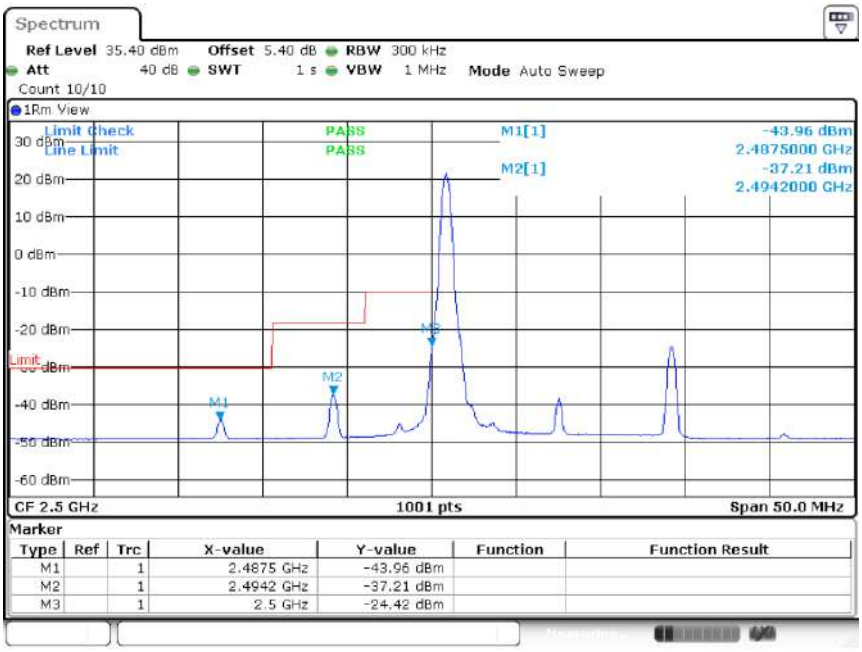
Band7-15MHz-16QAM-20825-1RB#0



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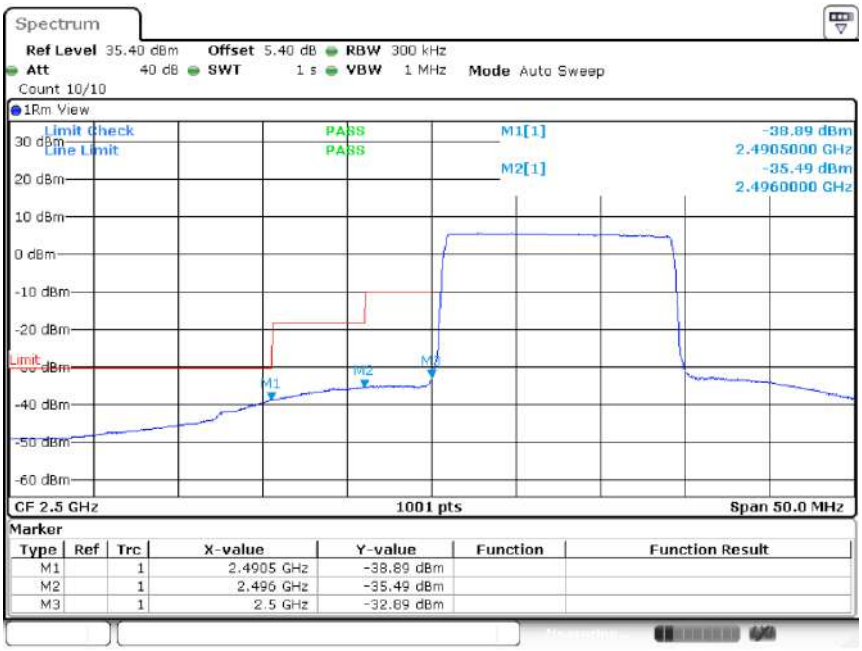
Band7-15MHz-16QAM-20825-75RB#0



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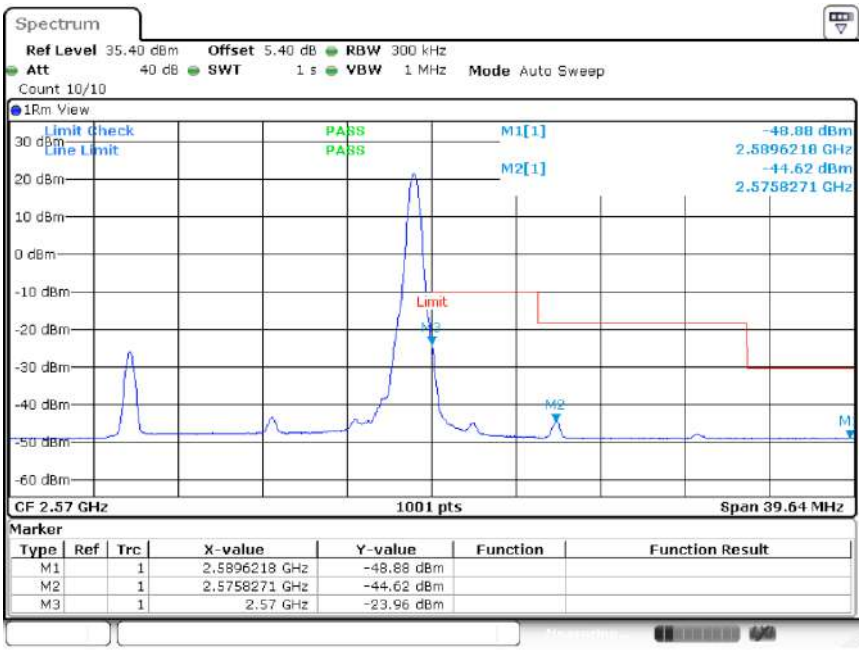
Band7-15MHz-16QAM-21375-1RB#74



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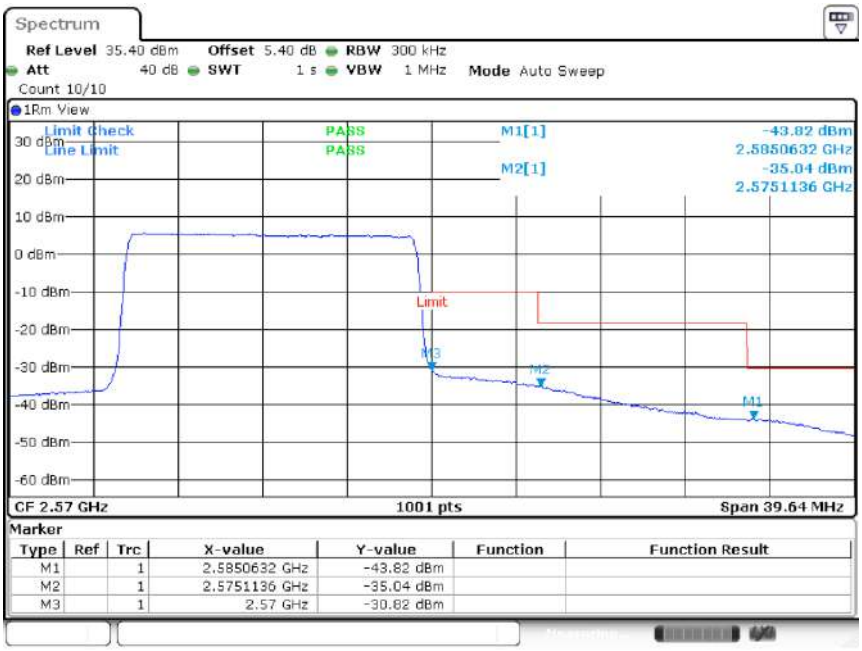
Band7-15MHz-16QAM-21375-75RB#0



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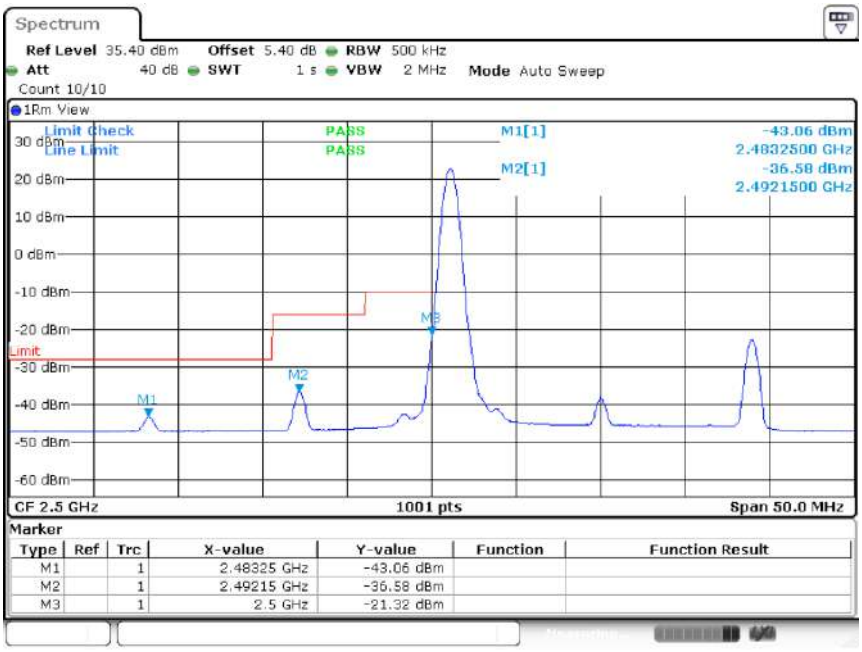
Band7-20MHz-QPSK-20850-1RB#0



Date: 28.JAN.2021 23:01:02

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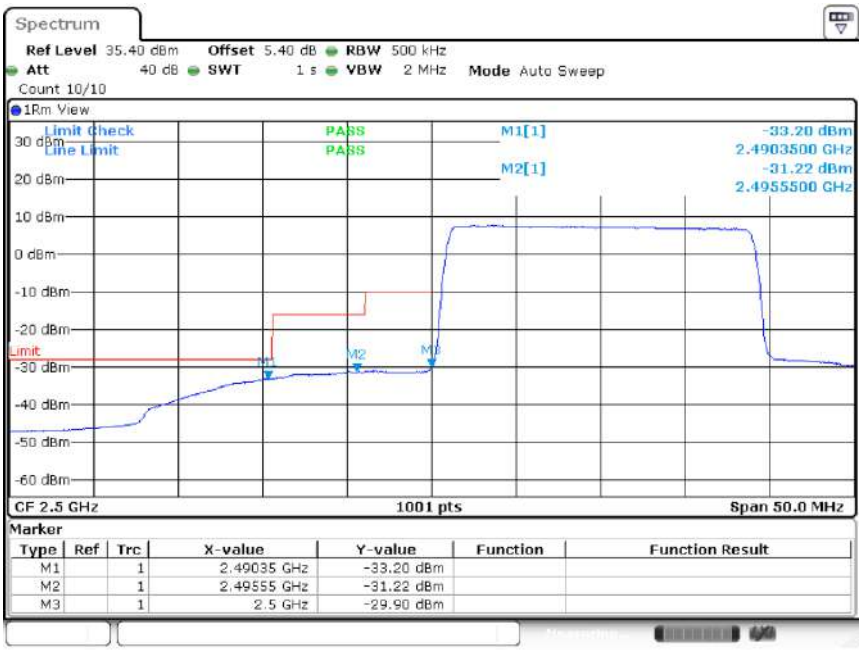
Band7-20MHz-QPSK-20850-100RB#0



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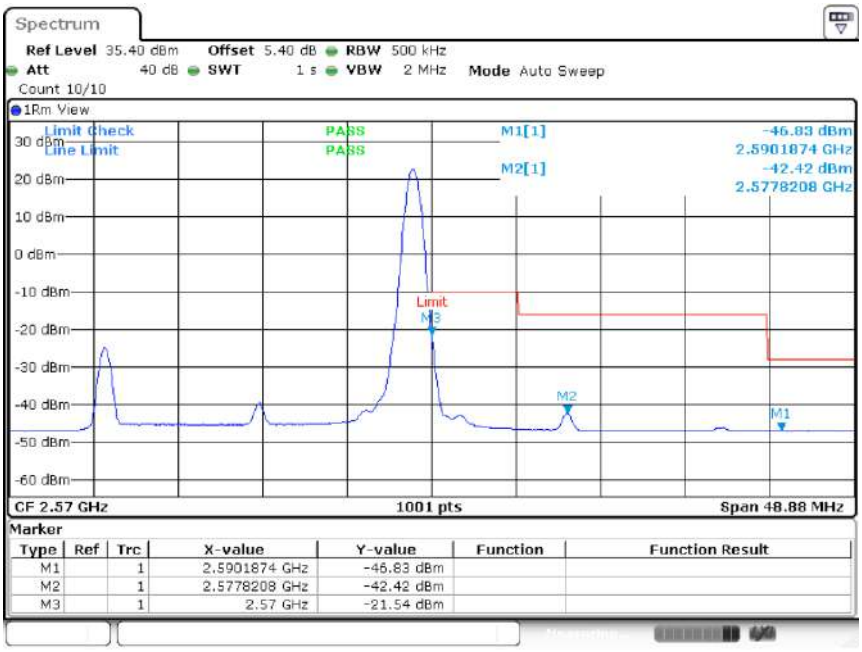

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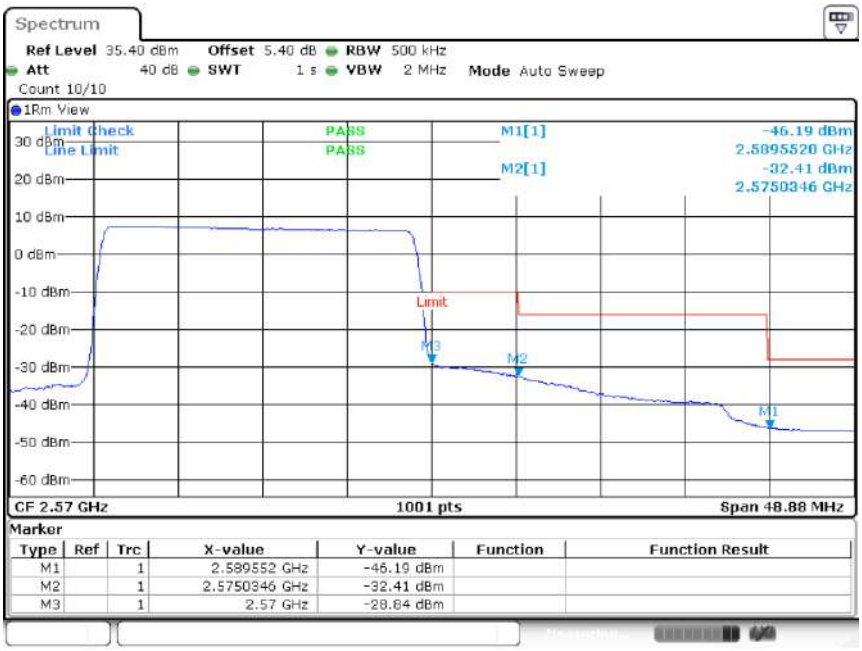
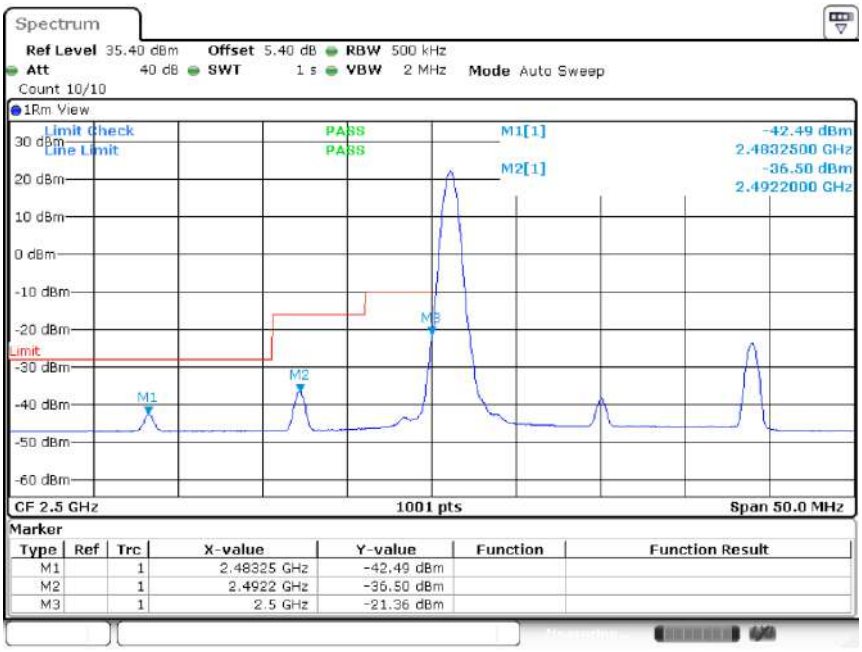
Band7-20MHz-QPSK-21350-100RB#0



Date: 28.JAN.2021 23:03:20

Band7-20MHz-16QAM-20850-1RB#0



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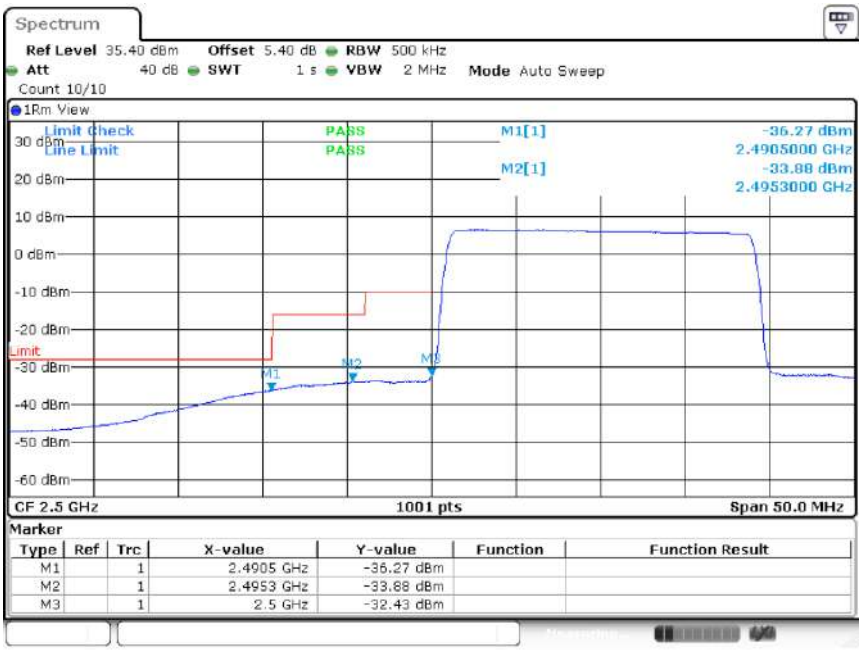
Band7-20MHz-16QAM-20850-100RB#0



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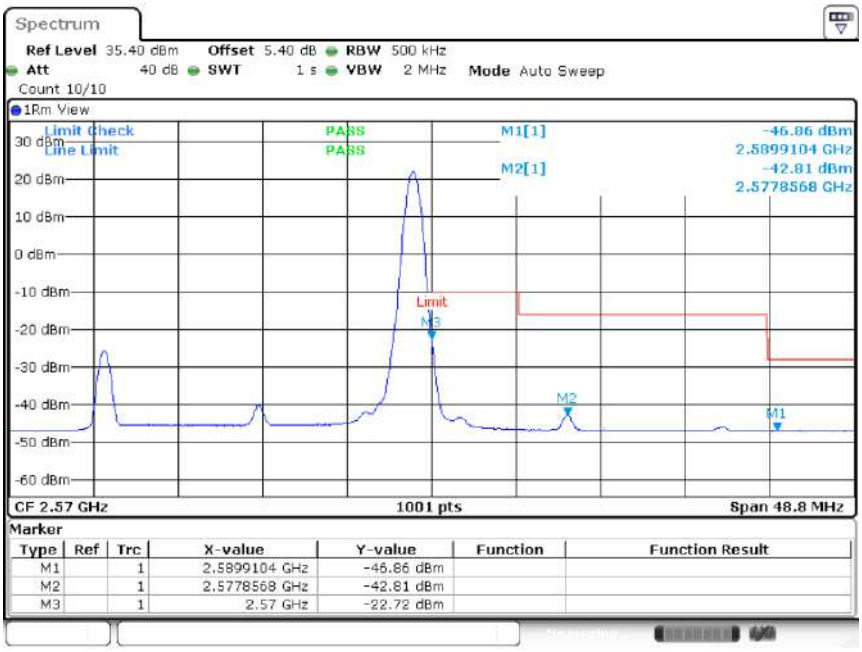
Band7-20MHz-16QAM-21350-1RB#99



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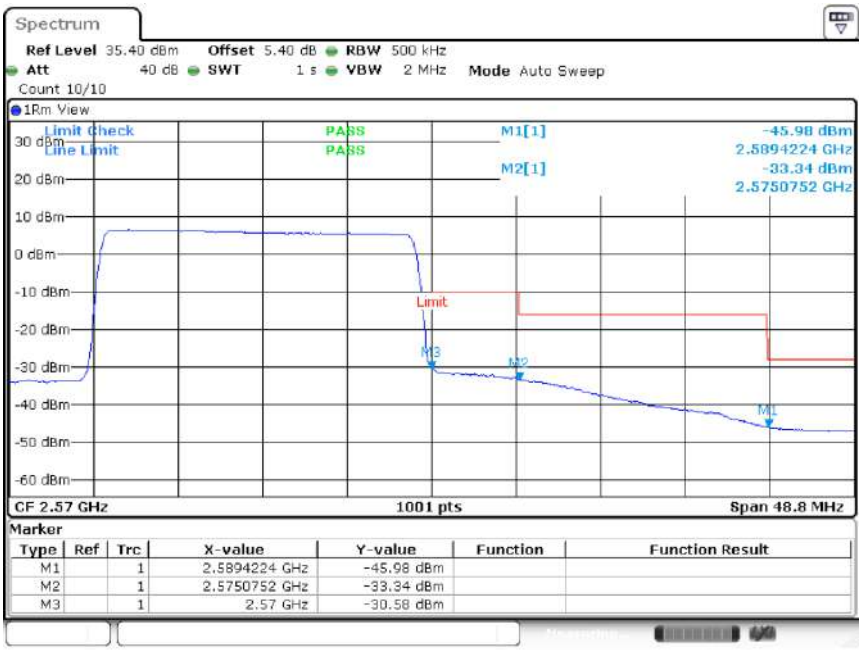
Band7-20MHz-16QAM-21350-100RB#0



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6. Spurious Emission at Antenna Terminal

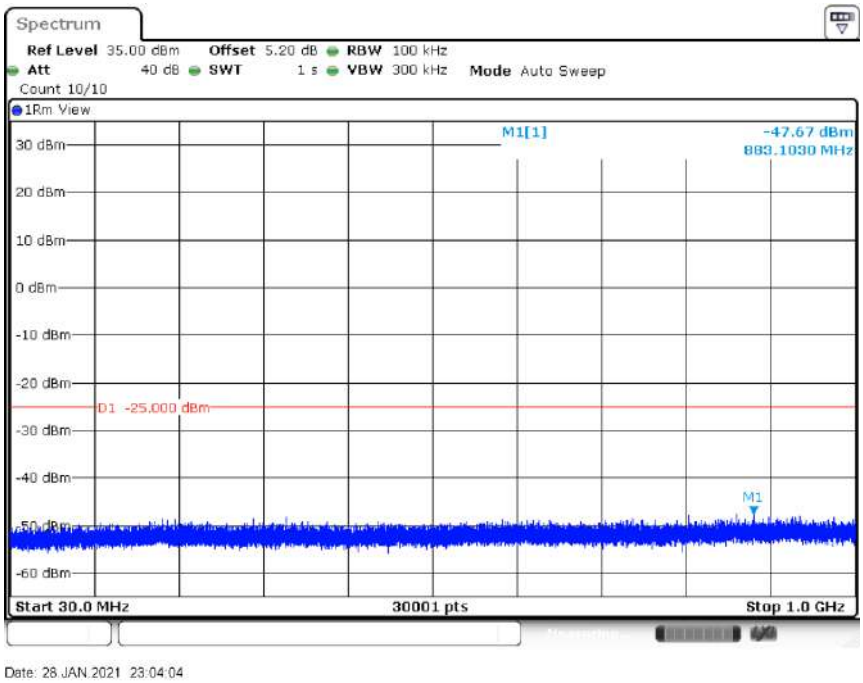
Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of < RBW/2 so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = k * (Span / RBW)" with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

Remark2: According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.

Remark3: The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data had been displayed.

6.1. Test Plots

Band7-20MHz-QPSK-20850-1RB#0-Range1:30~1000MHz



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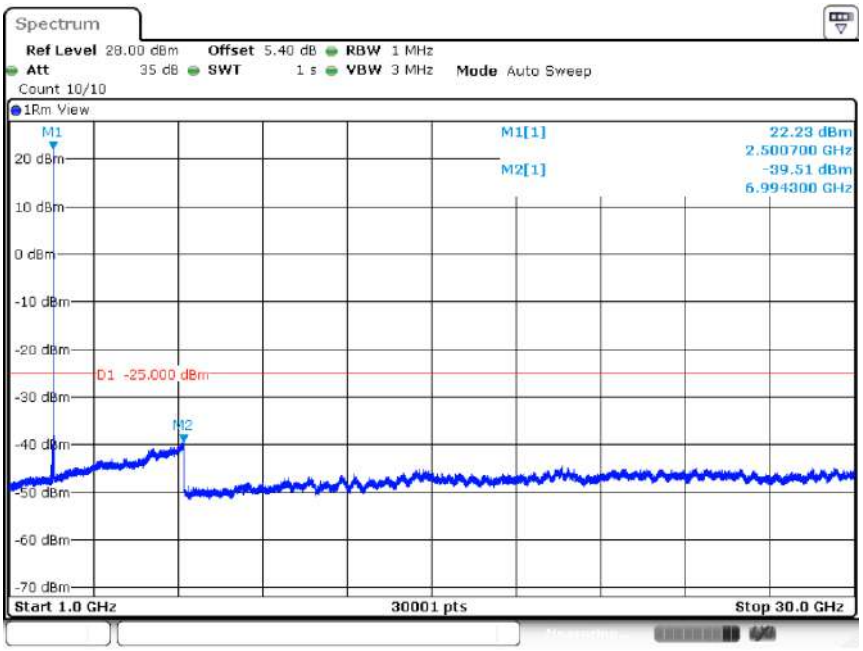
Band7-20MHz-QPSK-20850-1RB#0-Range2:1000~30000MHz



Date: 28.JAN.2021 23:04:20

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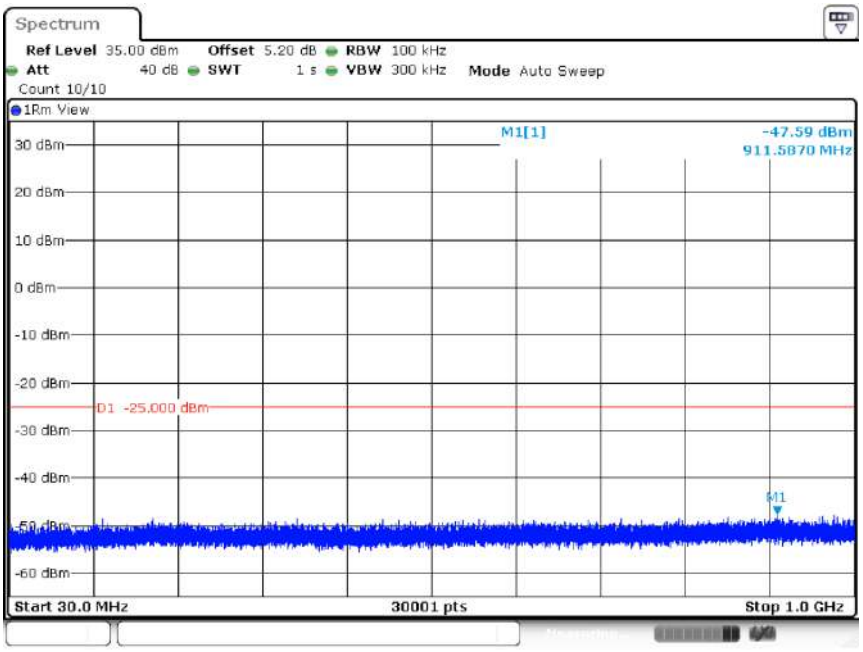

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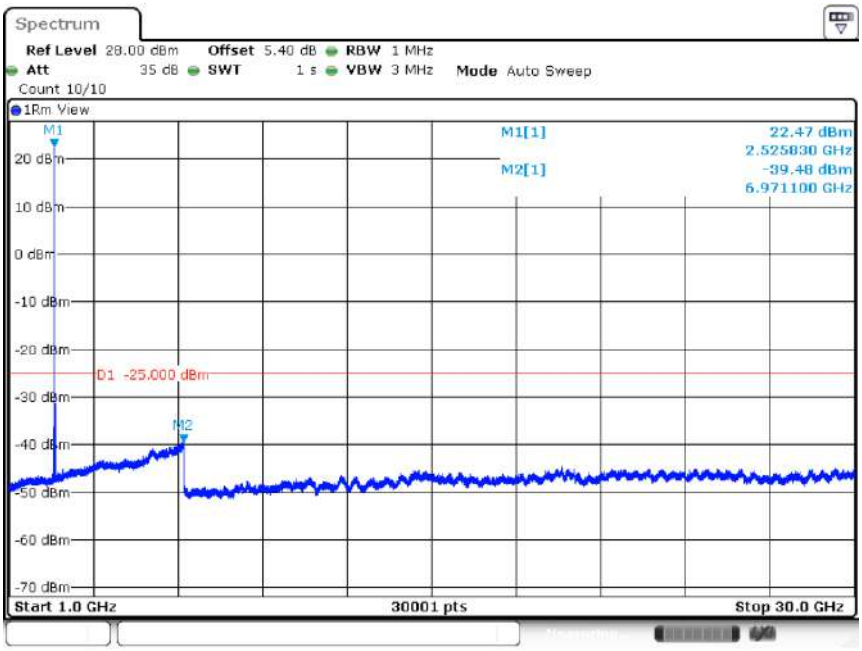
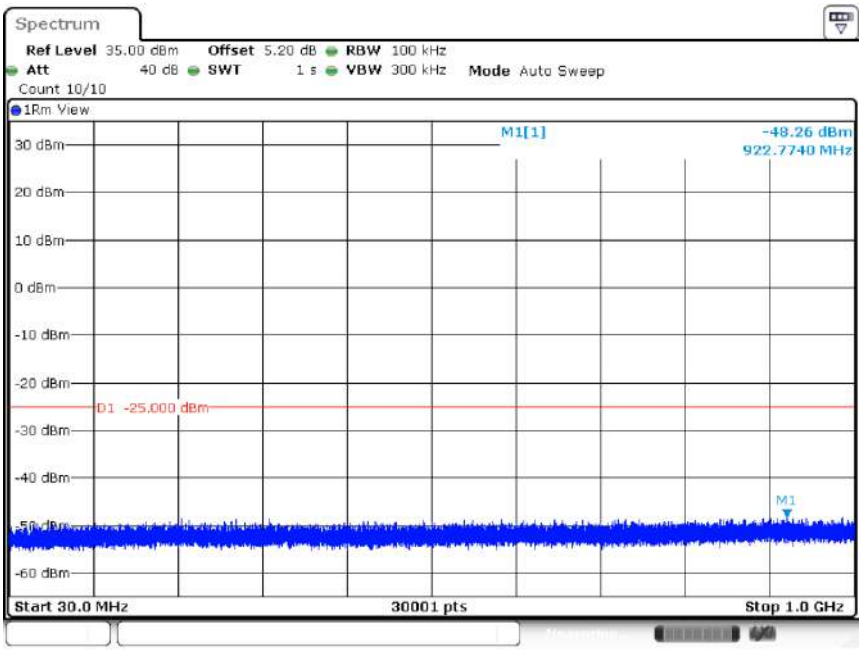
Band7-20MHz-QPSK-21100-1RB#0-Range2:1000~30000MHz



Date: 28.JAN.2021 23:05:31

Band7-20MHz-QPSK-21350-1RB#0-Range1:30~1000MHz



Date: 28.JAN.2021 23:06:25

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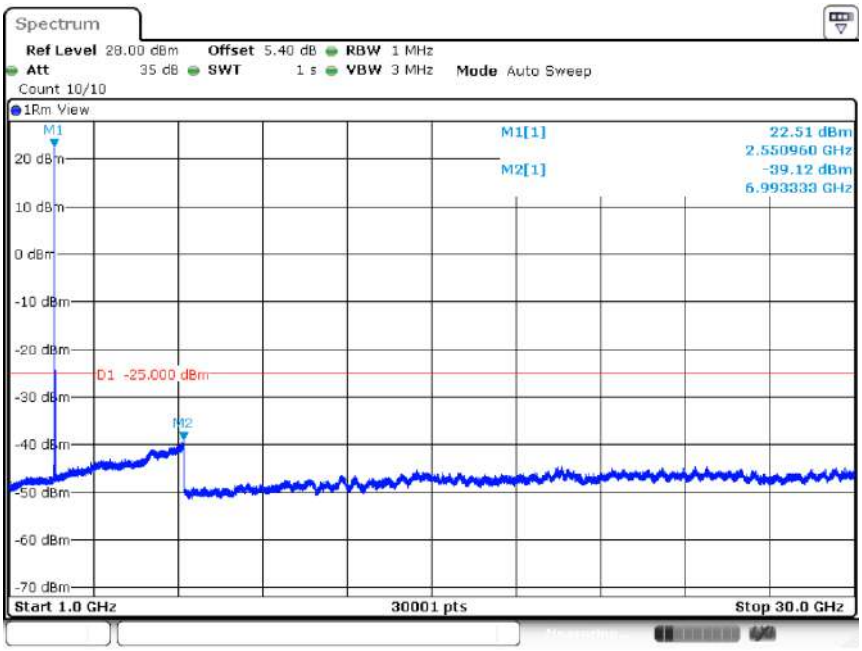
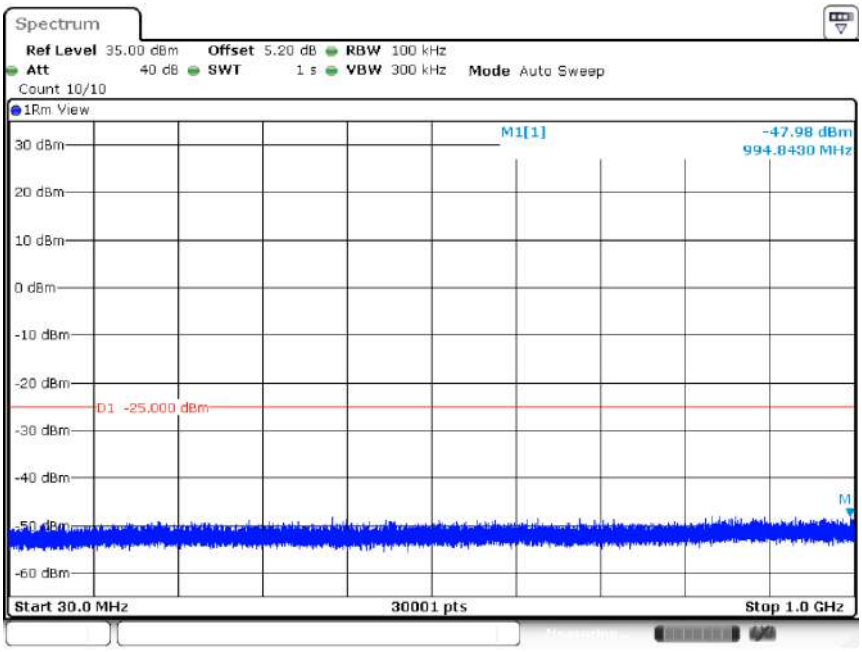
Band7-20MHz-QPSK-21350-1RB#0-Range2:1000~30000MHz



Date: 28.JAN.2021 23:06:41

Band7-20MHz-16QAM-20850-1RB#0-Range1:30~1000MHz



Date: 28.JAN.2021 23:04:39

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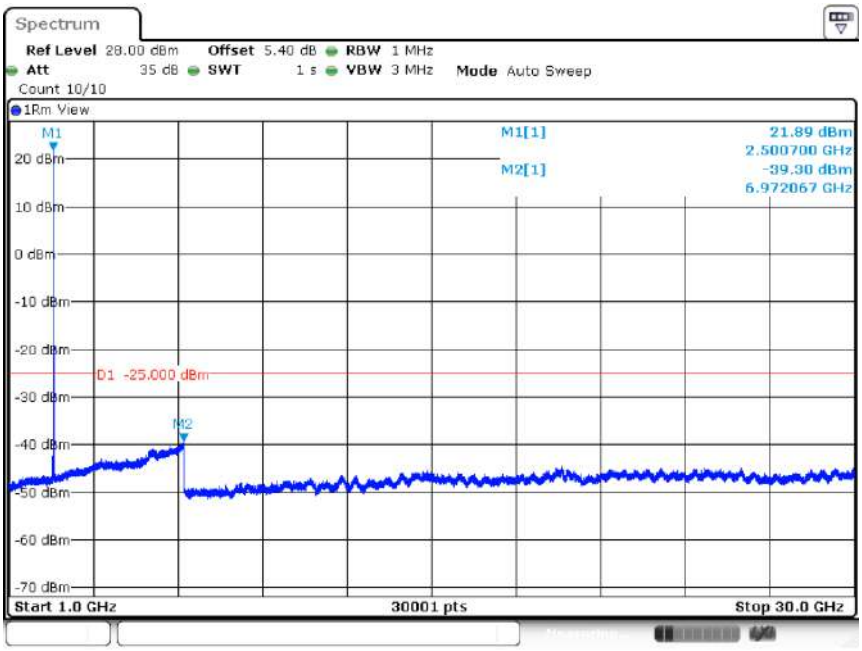
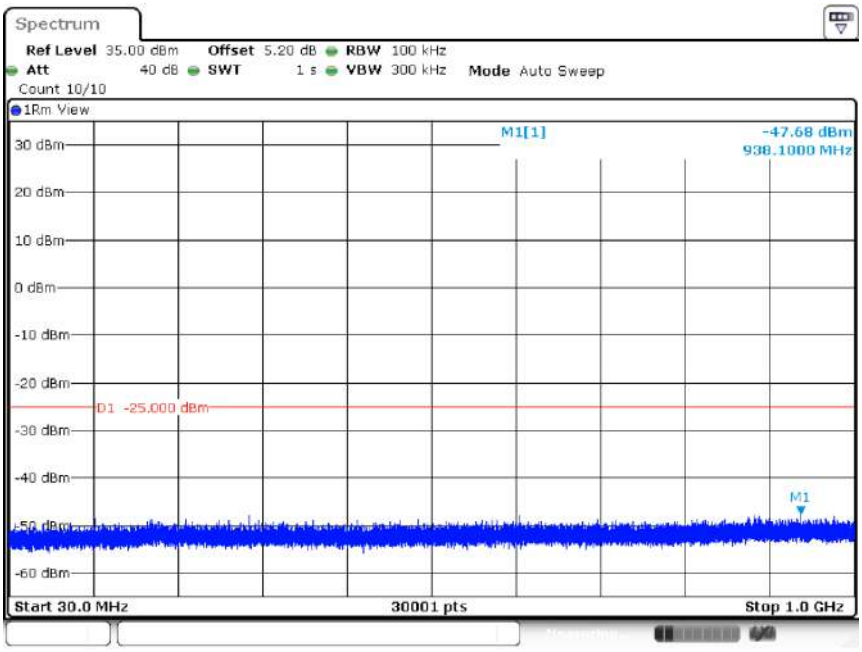
Band7-20MHz-16QAM-20850-1RB#0-Range2:1000~30000MHz



Date: 28.JAN.2021 23:04:55

Band7-20MHz-16QAM-21100-1RB#0-Range1:30~1000MHz



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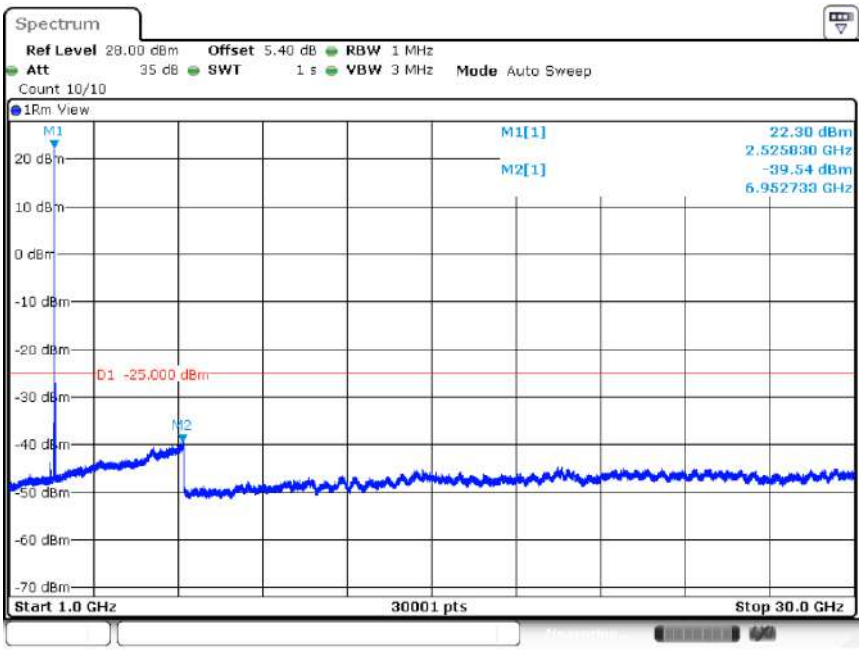
Band7-20MHz-16QAM-21100-1RB#0-Range2:1000~30000MHz



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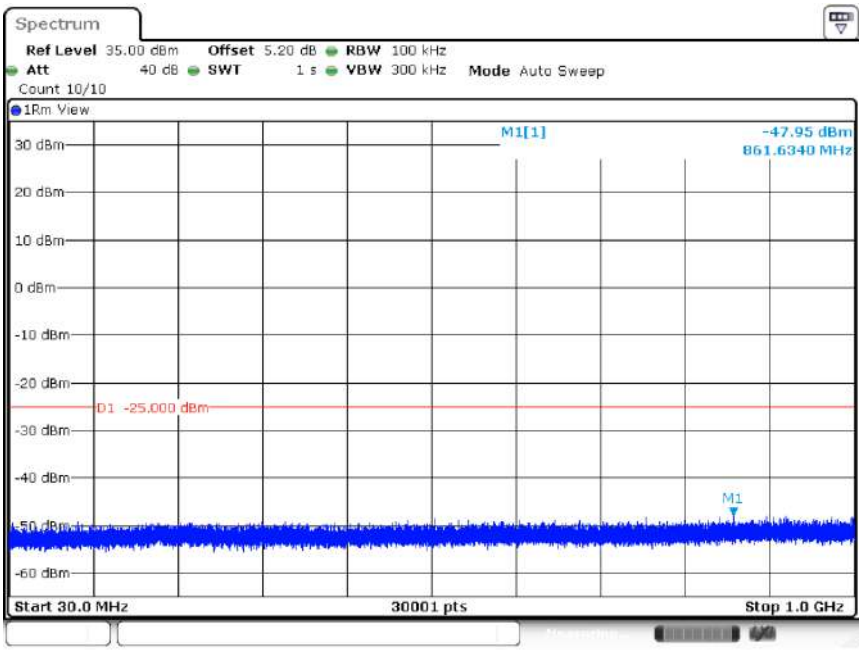
Band7-20MHz-16QAM-21350-1RB#0-Range1:30~1000MHz



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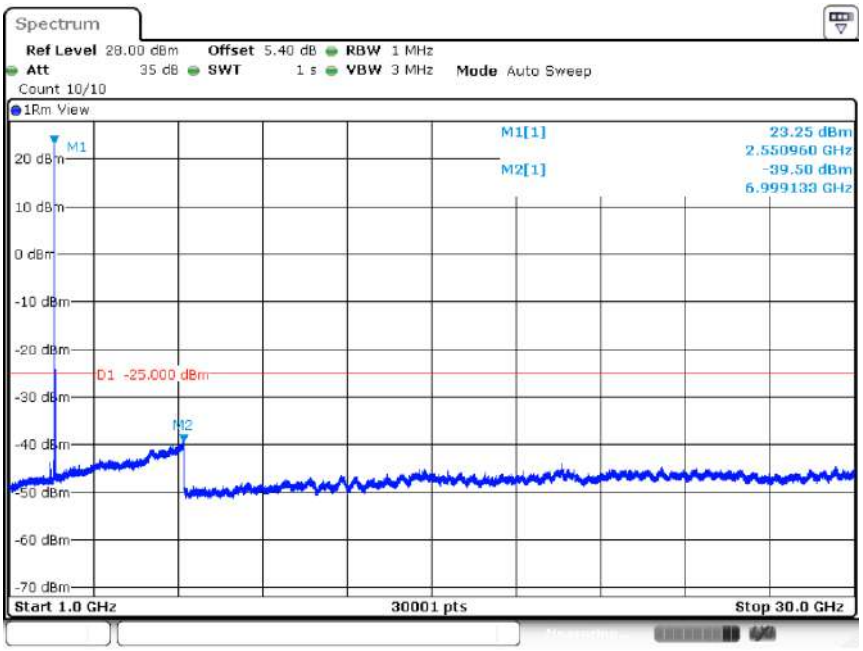

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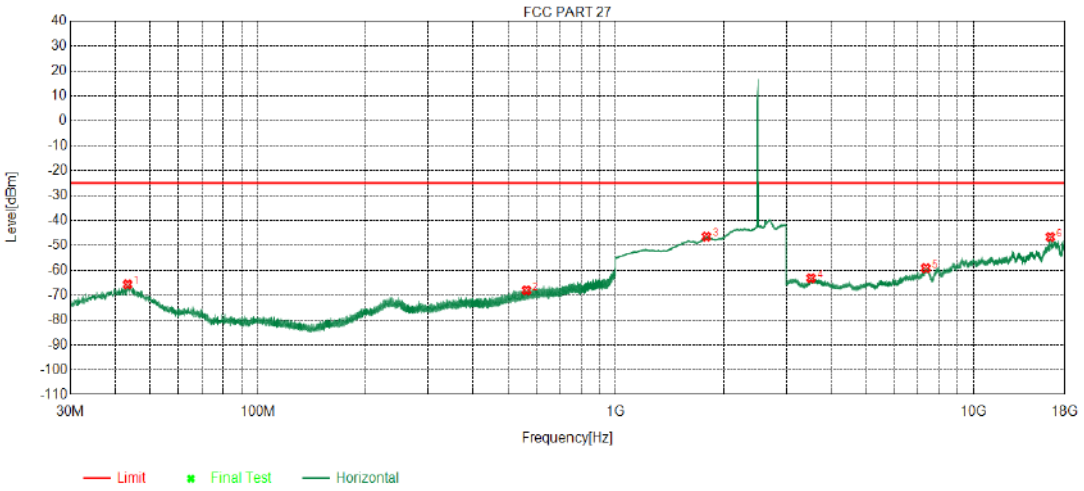
7. Field Strength of Spurious Radiation

7.1. Test Band = LTE_7 _TM1 DOWN ANT

7.1.1. Test Channel = Low Channel

Test Graph



Suspected Data List								
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	43.3382	-72.68	-65.75	-25.00	40.75	145	178	Horizontal
2	563.4297	-74.82	-68.09	-25.00	43.09	244	26	Horizontal
3	1795.7592	-72.49	-46.54	-25.00	21.54	269	29	Horizontal
4	3514.8206	-54.39	-63.20	-25.00	38.20	132	290	Horizontal
5	7356.1742	-59.02	-59.19	-25.00	34.19	172	357	Horizontal
6	16398.535	-61.10	-46.68	-25.00	21.68	269	178	Horizontal

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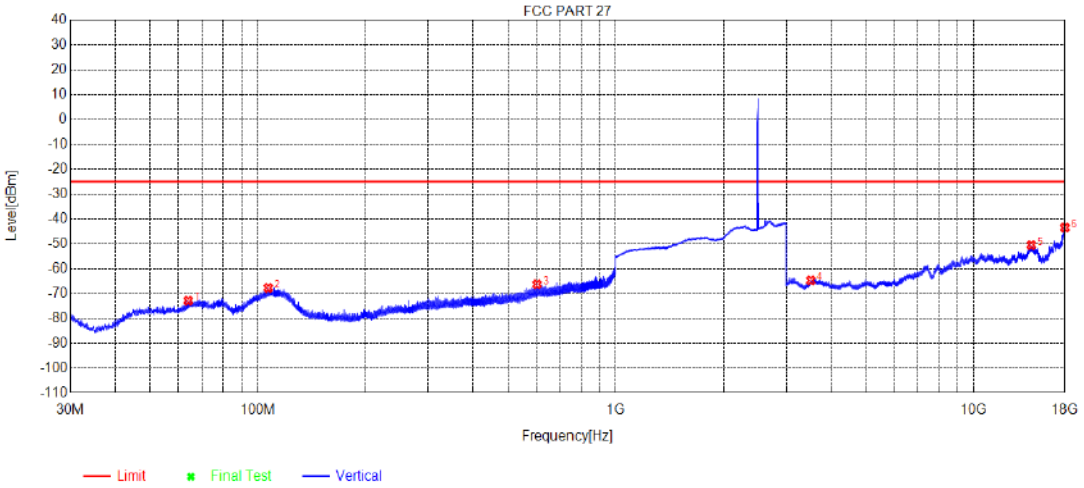
7.2. Test Band = LTE_7 _TM1 DOWN ANT

7.2.1. Test Channel = Low Channel

Test Graph



Suspected Data List								
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	64.0002	-73.77	-72.93	-25.00	47.93	169	72	Vertical
2	107.1189	-73.53	-67.79	-25.00	42.79	162	26	Vertical
3	603.2987	-73.96	-66.33	-25.00	41.33	145	72	Vertical
4	3509.4204	-54.80	-64.77	-25.00	39.77	225	356	Vertical
5	14501.260	-63.02	-50.52	-25.00	25.52	276	205	Vertical
6	17998.800	-61.35	-43.50	-25.00	18.50	294	72	Vertical

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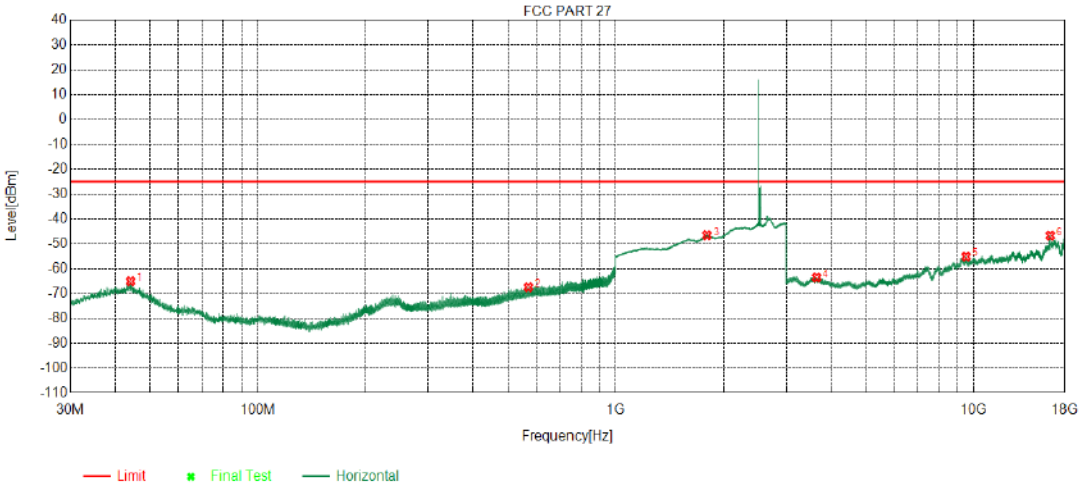
7.3. Test Band = LTE_7 _TM1 DOWN ANT

7.3.1. Test Channel = Mid Channel

Test Graph



Suspected Data List								
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	44.2112	-72.07	-65.09	-25.00	40.09	176	353	Horizontal
2	570.7050	-74.38	-67.47	-25.00	42.47	124	177	Horizontal
3	1801.7604	-72.59	-46.57	-25.00	21.57	244	267	Horizontal
4	3643.8258	-55.27	-63.56	-25.00	38.56	298	353	Horizontal
5	9535.4614	-60.18	-55.14	-25.00	30.14	219	72	Horizontal
6	16397.335	-61.12	-46.72	-25.00	21.72	113	353	Horizontal

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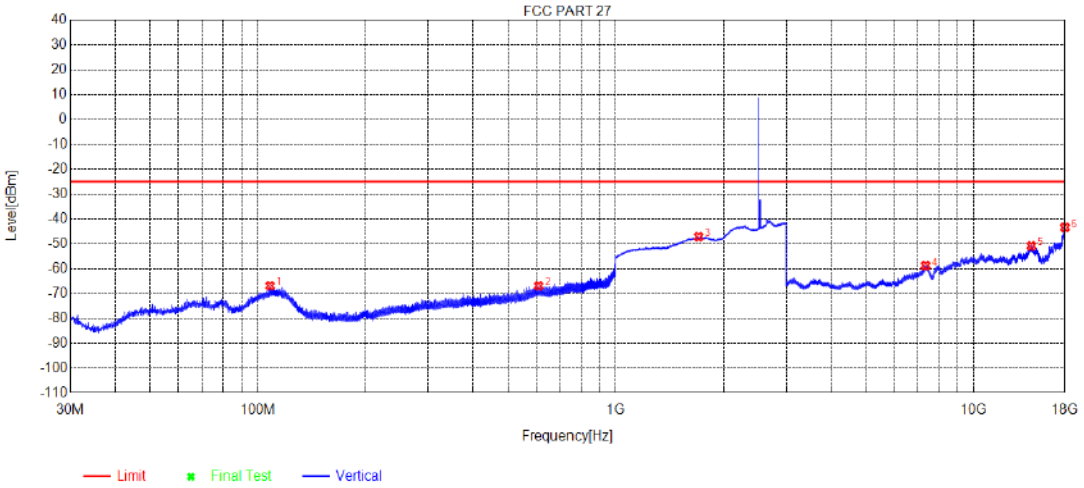
7.4. Test Band = LTE_7 _TM1 DOWN ANT

7.4.1. Test Channel = Mid Channel

Test Graph



Suspected Data List								
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	108.3799	-72.95	-66.92	-25.00	41.92	178	132	Vertical
2	609.7980	-74.57	-66.96	-25.00	41.96	166	111	Vertical
3	1707.3415	-72.30	-47.19	-25.00	22.19	252	343	Vertical
4	7347.1739	-59.31	-58.80	-25.00	33.80	234	281	Vertical
5	14506.060	-63.30	-50.85	-25.00	25.85	127	323	Vertical
6	17996.999	-61.20	-43.40	-25.00	18.40	162	153	Vertical

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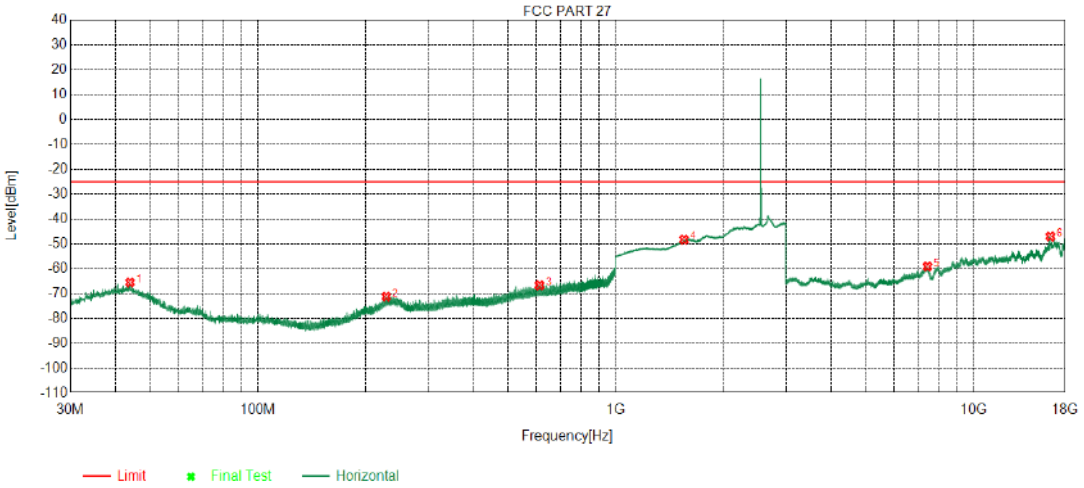
7.5. Test Band = LTE_7 _TM1 DOWN ANT

7.5.1. Test Channel = High Channel

Test Graph



Suspected Data List								
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	43.9687	-72.53	-65.56	-25.00	40.56	176	354	Horizontal
2	228.6174	-73.87	-71.29	-25.00	46.29	122	244	Horizontal
3	612.9021	-74.41	-66.71	-25.00	41.71	138	354	Horizontal
4	1553.3107	-72.09	-48.32	-25.00	23.32	121	58	Horizontal
5	7437.7775	-59.10	-59.14	-25.00	34.14	245	179	Horizontal
6	16402.136	-61.44	-47.04	-25.00	22.04	269	291	Horizontal

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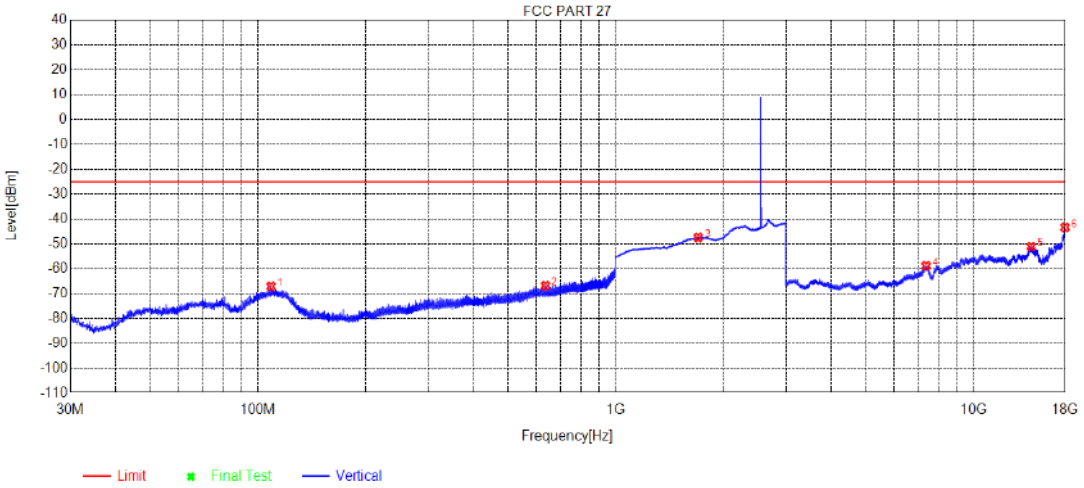
7.6. Test Band = LTE_7 _TM1 DOWN ANT

7.6.1. Test Channel = High Channel

Test Graph



Suspected Data List								
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	109.1075	-73.33	-67.13	-25.00	42.13	285	69	Vertical
2	636.4743	-74.38	-66.86	-25.00	41.86	269	217	Vertical
3	1702.9406	-72.54	-47.43	-25.00	22.43	144	334	Vertical
4	7372.3749	-59.40	-58.86	-25.00	33.86	166	89	Vertical
5	14500.660	-63.63	-51.13	-25.00	26.13	128	47	Vertical
6	17996.999	-61.21	-43.41	-25.00	18.41	341	69	Vertical

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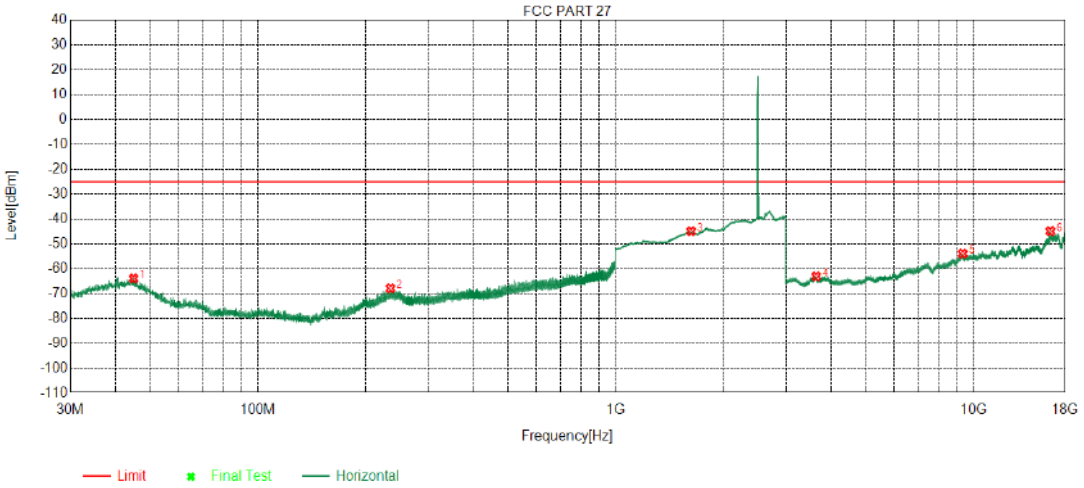
7.7. Test Band = LTE_7 _TM1 UP ANT

7.7.1. Test Channel = Low Channel

Test Graph



Suspected Data List								
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	44.9872	-71.00	-63.98	-25.00	38.98	116	272	Horizontal
2	234.8257	-70.76	-67.95	-25.00	42.95	342	167	Horizontal
3	1626.9254	-69.35	-44.96	-25.00	19.96	284	302	Horizontal
4	3631.8253	-54.91	-63.15	-25.00	38.15	299	12	Horizontal
5	9332.6533	-59.62	-53.99	-25.00	28.99	264	209	Horizontal
6	16400.336	-59.36	-44.92	-25.00	19.92	218	12	Horizontal

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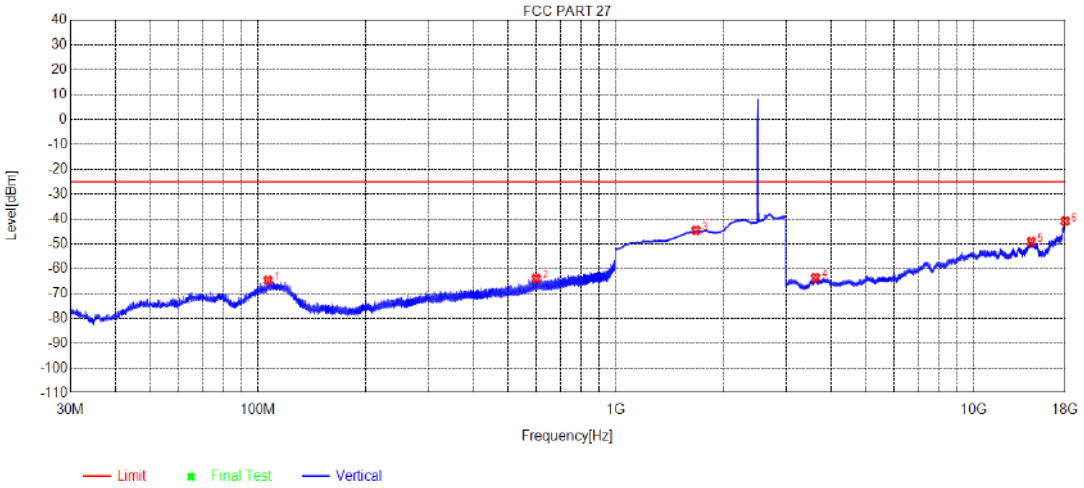
7.8. Test Band = LTE_7 _TM1 UP ANT

7.8.1. Test Channel = Low Channel

Test Graph



Suspected Data List								
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	106.9733	-70.41	-64.71	-25.00	39.71	136	123	Vertical
2	599.8065	-71.66	-64.03	-25.00	39.03	284	18	Vertical
3	1679.3359	-69.62	-44.63	-25.00	19.63	299	179	Vertical
4	3613.8246	-54.61	-63.73	-25.00	38.73	264	208	Vertical
5	14501.860	-61.63	-49.14	-25.00	24.14	112	229	Vertical
6	17998.199	-58.76	-40.93	-25.00	15.93	128	165	Vertical

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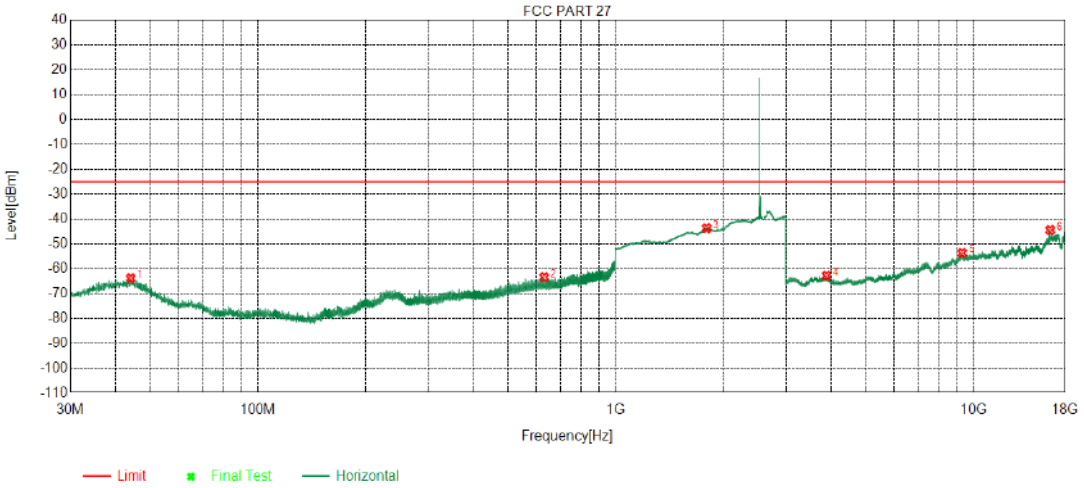
7.9. Test Band = LTE_7 _TM1 UP ANT

7.9.1. Test Channel = Mid Channel

Test Graph



Suspected Data List								
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	44.1627	-70.86	-63.88	-25.00	38.88	165	144	Horizontal
2	630.9450	-71.22	-63.44	-25.00	38.44	176	305	Horizontal
3	1796.9594	-69.70	-43.73	-25.00	18.73	232	63	Horizontal
4	3882.6353	-54.81	-62.88	-25.00	37.88	269	58	Horizontal
5	9300.2520	-59.64	-53.70	-25.00	28.70	268	167	Horizontal
6	16382.935	-58.61	-44.47	-25.00	19.47	218	10	Horizontal

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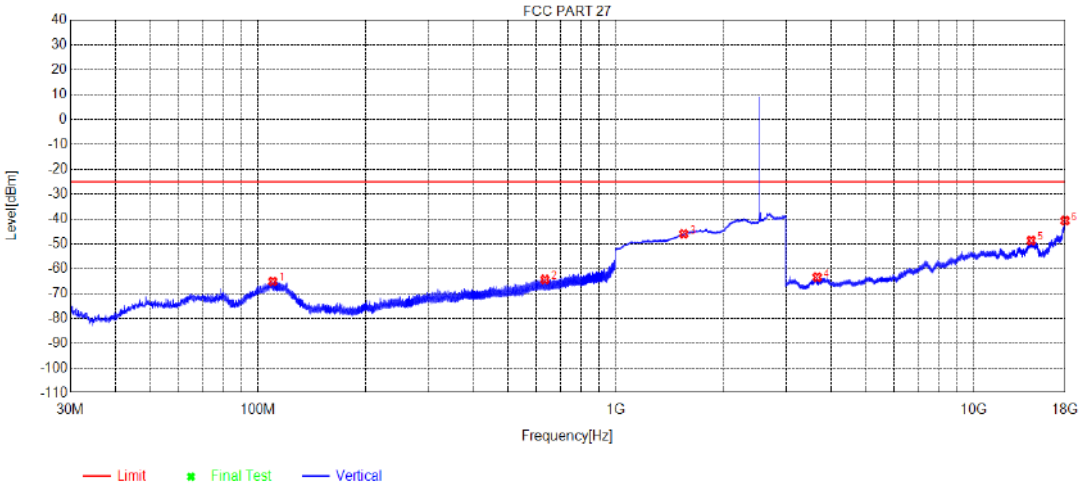
7.10. Test Band = LTE_7 _TM1 UP ANT

7.10.1. Test Channel = Mid Channel

Test Graph



Suspected Data List								
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	110.3685	-71.54	-65.16	-25.00	40.16	162	221	Vertical
2	634.0492	-71.91	-64.39	-25.00	39.39	123	128	Vertical
3	1551.3103	-69.76	-46.00	-25.00	21.00	219	96	Vertical
4	3656.4263	-54.23	-63.47	-25.00	38.47	121	221	Vertical
5	14499.460	-61.20	-48.69	-25.00	23.69	169	198	Vertical
6	17998.199	-58.54	-40.71	-25.00	15.71	252	266	Vertical

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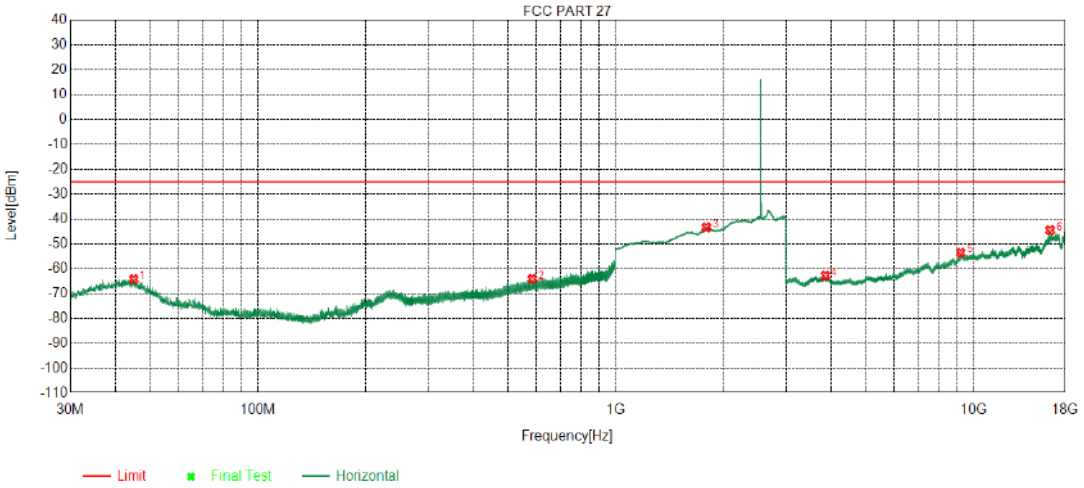
7.11. Test Band = LTE_7 _TM1 UP ANT

7.11.1. Test Channel = High Channel

Test Graph



Suspected Data List								
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	45.0358	-71.23	-64.23	-25.00	39.23	169	15	Horizontal
2	585.4013	-71.44	-64.16	-25.00	39.16	218	186	Horizontal
3	1794.1588	-69.30	-43.39	-25.00	18.39	296	114	Horizontal
4	3854.4342	-54.68	-62.82	-25.00	37.82	242	164	Horizontal
5	9219.2488	-58.36	-53.62	-25.00	28.62	111	334	Horizontal
6	16376.935	-58.54	-44.51	-25.00	19.51	168	36	Horizontal

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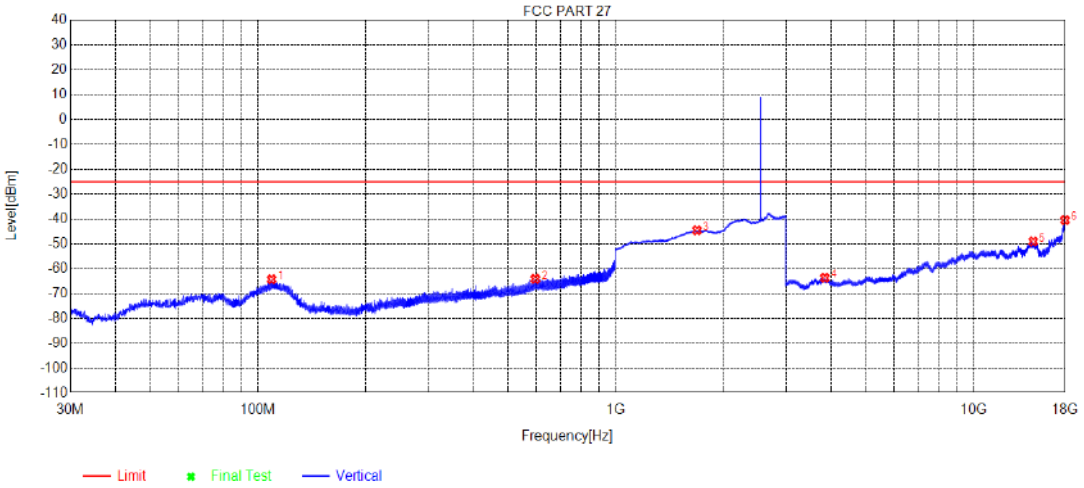
7.12. Test Band = LTE_7 _TM1 UP ANT

7.12.1. Test Channel = High Channel

Test Graph



Suspected Data List								
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	109.5440	-70.61	-64.31	-25.00	39.31	186	241	Vertical
2	596.6538	-71.61	-64.14	-25.00	39.14	162	264	Vertical
3	1689.7379	-69.65	-44.60	-25.00	19.60	242	200	Vertical
4	3840.6336	-54.93	-63.71	-25.00	38.71	233	128	Vertical
5	14691.467	-61.22	-49.11	-25.00	24.11	298	307	Vertical
6	17996.999	-58.28	-40.48	-25.00	15.48	218	172	Vertical

Remark:

1 According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.

2 The disturbance above 18G and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data displayed in this report.

3 all modulation and all Bandwidth had been tested, but only the worst case data displayed in this report.

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8. Frequency Stability

8.1. Frequency Vs Voltage

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	VL	NT	2.80	0.001116	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VN	NT	1.20	0.000478	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VH	NT	4.60	0.001833	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	-3.00	-0.001183	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	0.30	0.000118	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	-0.80	-0.000316	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VL	NT	3.70	0.001445	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VN	NT	0.90	0.000352	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VH	NT	-0.40	-0.000156	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VL	NT	2.10	0.000837	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VN	NT	2.80	0.001116	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VH	NT	1.80	0.000717	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VL	NT	-2.60	-0.001026	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VN	NT	1.80	0.000710	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VH	NT	-1.10	-0.000434	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VL	NT	-1.00	-0.000391	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VN	NT	3.50	0.001367	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VH	NT	3.40	0.001328	±2.5	PASS

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8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	NV	-30	2.80	0.001116	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-20	2.80	0.001116	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-10	1.50	0.000598	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	0	3.70	0.001474	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	10	3.40	0.001355	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	20	2.00	0.000797	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	30	1.90	0.000757	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	40	2.60	0.001036	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	50	3.30	0.001315	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	-1.10	-0.000434	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	-3.40	-0.001341	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-10	-1.20	-0.000473	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	-1.50	-0.000592	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	-3.10	-0.001223	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	-1.40	-0.000552	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	-2.50	-0.000986	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	-1.80	-0.000710	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	-2.30	-0.000907	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-30	0.30	0.000117	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-20	1.50	0.000586	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-10	2.20	0.000859	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	0	0.60	0.000234	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	10	2.70	0.001055	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	20	2.50	0.000977	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	30	1.00	0.000391	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	40	3.80	0.001484	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	50	0.50	0.000195	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-30	2.10	0.000837	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-20	2.00	0.000797	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-10	2.90	0.001155	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	0	2.60	0.001036	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	10	0.50	0.000199	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	20	1.20	0.000478	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	30	2.40	0.000956	±2.5	PASS

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Band7	20MHz	16QAM	20850	100RB#0	NV	40	2.60	0.001036	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	50	2.00	0.000797	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-30	-1.80	-0.000710	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-20	-2.80	-0.001105	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-10	-2.60	-0.001026	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	0	0.40	0.000158	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	10	-2.90	-0.001144	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	20	-1.10	-0.000434	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	30	-3.70	-0.001460	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	40	-3.70	-0.001460	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	50	-3.60	-0.001420	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-30	2.30	0.000898	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-20	2.30	0.000898	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-10	0.50	0.000195	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	0	1.00	0.000391	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	10	2.20	0.000859	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	20	2.70	0.001055	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	30	-0.40	-0.000156	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	40	0.30	0.000117	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	50	0.60	0.000234	±2.5	PASS

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