



# Appendix B

## E-UTRA Band 38



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**CONTENT**

**1 EFFECTIVE (ISOTROPIC) RADIATED POWER ..... 4**

1.1. TEST RESULT ..... 4

**2. PEAK-TO-AVERAGE RATIO (CCDF) .....18**

2.1. TEST RESULT ..... 18

2.2. TEST PLOTS..... 18

**3. MODULATION CHARACTERISTICS .....23**

3.1. TEST MODE = LTE /TM1 20MHZ..... 23

3.1.1. TEST CHANNEL = MCH..... 23

3.2. TEST MODE = LTE /TM2 20MHZ..... 24

3.2.1. TEST CHANNEL = MCH..... 24

3.3. TEST MODE = LTE /TM3 20MHZ..... 25

3.3.1. TEST CHANNEL = MCH..... 25

**4. 26DB BANDWIDTH AND OCCUPIED BANDWIDTH .....26**

4.1. TEST RESULT ..... 26

4.2. TEST PLOTS..... 27

**5. BAND EDGE COMPLIANCE .....46**

5.1. TEST PLOTS..... 46

**6. SPURIOUS EMISSION AT ANTENNA TERMINAL .....71**

6.1. TEST PLOTS..... 71

**7. FIELD STRENGTH OF SPURIOUS RADIATION .....81**

7.1. Test Band = \_38 \_TM1 ANT3 ..... 81

7.1.1. Test Channel = Low Channel ..... 81

7.2. Test Band = \_38 \_TM1 ANT3 ..... 82

7.2.1. Test Channel = Low Channel ..... 82

7.3. Test Band = \_38 \_TM1 ANT3 ..... 83

7.3.1. Test Channel = Mid Channel ..... 83

7.4. Test Band = \_38 \_TM1 ANT3 ..... 84

7.4.1. Test Channel = Mid Channel ..... 84

7.5. Test Band = \_38 \_TM1 ANT3 ..... 85

7.5.1. Test Channel = High Channel..... 85



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7.6.	Test Band = _38 _TM1 ANT3 .....	86
7.6.1.	Test Channel = High Channel.....	86
7.7.	Test Band = _38 _TM1 ANT4 .....	87
7.7.1.	Test Channel = Low Channel .....	87
7.8.	Test Band = _38 _TM1 ANT4 .....	88
7.8.1.	Test Channel = Low Channel .....	88
7.9.	Test Band = _38 _TM1 ANT4 .....	89
7.9.1.	Test Channel = Middle Channel .....	89
7.10.	Test Band = _38 _TM1 ANT4 .....	90
7.10.1.	Test Channel = Middle Channel.....	90
7.11.	Test Band = _38 _TM1 ANT4 .....	91
7.11.1.	Test Channel = High Channel .....	91
7.12.	Test Band = _38 _TM1 ANT4 .....	92
7.12.1.	Test Channel = High Channel .....	92
<b>8.</b>	<b>FREQUENCY STABILITY .....</b>	<b>94</b>
8.1.	FREQUENCY VS VOLTAGE .....	94
8.2.	FREQUENCY VS TEMPERATURE .....	95



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# 1 Effective (Isotropic) Radiated Power

## 1.1. Test Result

### ANT3:

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	21.15	20.25	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#12	20.96	20.06	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#24	20.85	19.95	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#0	21.13	20.23	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#6	21.10	20.20	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#13	21.06	20.16	33.00	PASS
Band38	5MHz	QPSK	37775	25RB#0	21.10	20.20	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#0	20.93	20.03	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#12	21.03	20.13	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#24	20.97	20.07	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#0	21.07	20.17	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#6	21.07	20.17	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#13	21.05	20.15	33.00	PASS
Band38	5MHz	QPSK	38000	25RB#0	20.93	20.03	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#0	20.89	19.99	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#12	21.01	20.11	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#24	20.98	20.08	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#0	21.12	20.22	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#6	21.10	20.20	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#13	21.09	20.19	33.00	PASS
Band38	5MHz	QPSK	38225	25RB#0	21.11	20.21	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#0	21.12	20.22	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#12	21.05	20.15	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#24	21.06	20.16	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#0	20.08	19.18	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#6	20.00	19.10	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#13	19.99	19.09	33.00	PASS
Band38	5MHz	16QAM	37775	25RB#0	20.10	19.20	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#0	20.92	20.02	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#12	20.96	20.06	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#24	20.97	20.07	33.00	PASS



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Band38	5MHz	16QAM	38000	12RB#0	19.92	19.02	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#6	19.86	18.96	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#13	19.96	19.06	33.00	PASS
Band38	5MHz	16QAM	38000	25RB#0	20.07	19.17	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#0	21.11	20.21	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#12	21.10	20.20	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#24	21.12	20.22	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#0	20.04	19.14	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#6	20.08	19.18	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#13	20.03	19.13	33.00	PASS
Band38	5MHz	16QAM	38225	25RB#0	20.22	19.32	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#0	20.06	19.16	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#12	20.05	19.15	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#24	19.97	19.07	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#0	19.06	18.16	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#6	18.96	18.06	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#13	18.90	18.00	33.00	PASS
Band38	5MHz	64QAM	37775	25RB#0	19.01	18.11	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#0	19.88	18.98	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#12	19.85	18.95	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#24	19.91	19.01	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#0	18.91	18.01	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#6	18.79	17.89	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#13	18.93	18.03	33.00	PASS
Band38	5MHz	64QAM	38000	25RB#0	19.07	18.17	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#0	20.07	19.17	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#12	19.99	19.09	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#24	20.09	19.19	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#0	18.97	18.07	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#6	19.00	18.10	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#13	18.97	18.07	33.00	PASS
Band38	5MHz	64QAM	38225	25RB#0	19.18	18.28	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#0	21.09	20.19	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#24	21.13	20.23	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#49	20.85	19.95	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#0	21.09	20.19	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#12	21.11	20.21	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#25	21.11	20.21	33.00	PASS



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Band38	10MHz	QPSK	37800	50RB#0	21.14	20.24	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#0	20.93	20.03	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#24	20.95	20.05	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#49	20.93	20.03	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#0	21.03	20.13	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#12	21.02	20.12	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#25	21.03	20.13	33.00	PASS
Band38	10MHz	QPSK	38000	50RB#0	21.08	20.18	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#0	21.19	20.29	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#24	20.98	20.08	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#49	20.99	20.09	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#0	21.16	20.26	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#12	21.10	20.20	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#25	21.18	20.28	33.00	PASS
Band38	10MHz	QPSK	38200	50RB#0	21.14	20.24	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#0	21.13	20.23	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#24	21.13	20.23	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#49	21.09	20.19	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#0	20.08	19.18	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#12	20.13	19.23	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#25	20.13	19.23	33.00	PASS
Band38	10MHz	16QAM	37800	50RB#0	20.06	19.16	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#0	21.10	20.20	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#24	21.00	20.10	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#49	21.04	20.14	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#0	20.08	19.18	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#12	20.08	19.18	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#25	20.04	19.14	33.00	PASS
Band38	10MHz	16QAM	38000	50RB#0	19.99	19.09	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#0	21.12	20.22	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#24	21.14	20.24	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#49	21.13	20.23	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#0	20.17	19.27	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#12	20.10	19.20	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#25	20.07	19.17	33.00	PASS
Band38	10MHz	16QAM	38200	50RB#0	20.06	19.16	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#0	20.04	19.14	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#24	20.13	19.23	33.00	PASS



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Band38	10MHz	64QAM	37800	1RB#49	20.01	19.11	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#0	18.98	18.08	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#12	19.11	18.21	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#25	19.03	18.13	33.00	PASS
Band38	10MHz	64QAM	37800	50RB#0	19.00	18.10	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#0	20.09	19.19	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#24	19.93	19.03	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#49	20.04	19.14	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#0	18.97	18.07	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#12	19.06	18.16	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#25	19.00	18.10	33.00	PASS
Band38	10MHz	64QAM	38000	50RB#0	18.89	17.99	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#0	20.04	19.14	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#24	20.10	19.20	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#49	20.12	19.22	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#0	19.10	18.20	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#12	19.04	18.14	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#25	19.03	18.13	33.00	PASS
Band38	10MHz	64QAM	38200	50RB#0	19.00	18.10	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#0	20.97	20.07	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#38	21.11	20.21	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#74	20.92	20.02	33.00	PASS
Band38	15MHz	QPSK	37825	38RB#0	20.98	20.08	33.00	PASS
Band38	15MHz	QPSK	37825	38RB#18	21.09	20.19	33.00	PASS
Band38	15MHz	QPSK	37825	38RB#37	21.04	20.14	33.00	PASS
Band38	15MHz	QPSK	37825	75RB#0	21.04	20.14	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#0	21.13	20.23	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#38	21.04	20.14	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#74	20.88	19.98	33.00	PASS
Band38	15MHz	QPSK	38000	38RB#0	21.04	20.14	33.00	PASS
Band38	15MHz	QPSK	38000	38RB#18	21.06	20.16	33.00	PASS
Band38	15MHz	QPSK	38000	38RB#37	20.96	20.06	33.00	PASS
Band38	15MHz	QPSK	38000	75RB#0	21.04	20.14	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#0	20.98	20.08	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#38	21.06	20.16	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#74	21.01	20.11	33.00	PASS
Band38	15MHz	QPSK	38175	38RB#0	21.02	20.12	33.00	PASS
Band38	15MHz	QPSK	38175	38RB#18	21.12	20.22	33.00	PASS



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Band38	15MHz	QPSK	38175	38RB#37	21.09	20.19	33.00	PASS
Band38	15MHz	QPSK	38175	75RB#0	21.10	20.20	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#0	21.05	20.15	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#38	21.10	20.20	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#74	21.11	20.21	33.00	PASS
Band38	15MHz	16QAM	37825	38RB#0	19.98	19.08	33.00	PASS
Band38	15MHz	16QAM	37825	38RB#18	20.05	19.15	33.00	PASS
Band38	15MHz	16QAM	37825	38RB#37	20.00	19.10	33.00	PASS
Band38	15MHz	16QAM	37825	75RB#0	20.08	19.18	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#0	21.04	20.14	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#38	21.05	20.15	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#74	20.97	20.07	33.00	PASS
Band38	15MHz	16QAM	38000	38RB#0	19.94	19.04	33.00	PASS
Band38	15MHz	16QAM	38000	38RB#18	19.92	19.02	33.00	PASS
Band38	15MHz	16QAM	38000	38RB#37	19.88	18.98	33.00	PASS
Band38	15MHz	16QAM	38000	75RB#0	20.00	19.10	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#0	20.98	20.08	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#38	21.11	20.21	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#74	21.11	20.21	33.00	PASS
Band38	15MHz	16QAM	38175	38RB#0	20.02	19.12	33.00	PASS
Band38	15MHz	16QAM	38175	38RB#18	20.05	19.15	33.00	PASS
Band38	15MHz	16QAM	38175	38RB#37	20.08	19.18	33.00	PASS
Band38	15MHz	16QAM	38175	75RB#0	20.01	19.11	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#0	19.98	19.08	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#38	20.03	19.13	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#74	20.02	19.12	33.00	PASS
Band38	15MHz	64QAM	37825	38RB#0	18.97	18.07	33.00	PASS
Band38	15MHz	64QAM	37825	38RB#18	19.01	18.11	33.00	PASS
Band38	15MHz	64QAM	37825	38RB#37	18.91	18.01	33.00	PASS
Band38	15MHz	64QAM	37825	75RB#0	19.07	18.17	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#0	19.99	19.09	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#38	19.99	19.09	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#74	19.86	18.96	33.00	PASS
Band38	15MHz	64QAM	38000	38RB#0	18.92	18.02	33.00	PASS
Band38	15MHz	64QAM	38000	38RB#18	18.82	17.92	33.00	PASS
Band38	15MHz	64QAM	38000	38RB#37	18.84	17.94	33.00	PASS
Band38	15MHz	64QAM	38000	75RB#0	18.97	18.07	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#0	19.90	19.00	33.00	PASS



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Band38	15MHz	64QAM	38175	1RB#38	20.08	19.18	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#74	20.04	19.14	33.00	PASS
Band38	15MHz	64QAM	38175	38RB#0	18.99	18.09	33.00	PASS
Band38	15MHz	64QAM	38175	38RB#18	19.02	18.12	33.00	PASS
Band38	15MHz	64QAM	38175	38RB#37	19.06	18.16	33.00	PASS
Band38	15MHz	64QAM	38175	75RB#0	18.90	18.00	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#0	21.07	20.17	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#49	21.04	20.14	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#99	20.93	20.03	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#0	21.09	20.19	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#25	21.10	20.20	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#50	21.12	20.22	33.00	PASS
Band38	20MHz	QPSK	37850	100RB#0	21.02	20.12	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#0	21.14	20.24	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#49	20.97	20.07	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#99	20.91	20.01	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#0	21.06	20.16	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#25	21.07	20.17	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#50	20.98	20.08	33.00	PASS
Band38	20MHz	QPSK	38000	100RB#0	21.04	20.14	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#0	20.93	20.03	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#49	21.04	20.14	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#99	20.99	20.09	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#0	21.12	20.22	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#25	21.10	20.20	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#50	21.06	20.16	33.00	PASS
Band38	20MHz	QPSK	38150	100RB#0	21.12	20.22	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#0	21.04	20.14	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#49	21.13	20.23	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#99	21.00	20.10	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#0	20.09	19.19	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#25	20.14	19.24	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#50	20.09	19.19	33.00	PASS
Band38	20MHz	16QAM	37850	100RB#0	20.09	19.19	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#0	21.00	20.10	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#49	20.97	20.07	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#99	21.01	20.11	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#0	20.10	19.20	33.00	PASS



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Band38	20MHz	16QAM	38000	50RB#25	20.03	19.13	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#50	19.96	19.06	33.00	PASS
Band38	20MHz	16QAM	38000	100RB#0	19.97	19.07	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#0	20.97	20.07	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#49	21.10	20.20	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#99	21.07	20.17	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#0	20.04	19.14	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#25	20.11	19.21	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#50	20.09	19.19	33.00	PASS
Band38	20MHz	16QAM	38150	100RB#0	20.04	19.14	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#0	19.96	19.06	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#49	20.10	19.20	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#99	19.95	19.05	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#0	19.06	18.16	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#25	19.06	18.16	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#50	19.02	18.12	33.00	PASS
Band38	20MHz	64QAM	37850	100RB#0	18.99	18.09	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#0	20.00	19.10	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#49	19.97	19.07	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#99	19.99	19.09	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#0	19.05	18.15	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#25	19.03	18.13	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#50	18.88	17.98	33.00	PASS
Band38	20MHz	64QAM	38000	100RB#0	18.97	18.07	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#0	19.94	19.04	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#49	19.99	19.09	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#99	20.04	19.14	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#0	18.99	18.09	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#25	19.06	18.16	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#50	19.08	18.18	33.00	PASS
Band38	20MHz	64QAM	38150	100RB#0	19.02	18.12	33.00	PASS



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**ANT4:**

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	23.24	22.44	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#12	23.19	22.39	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#24	23.20	22.40	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#0	22.19	21.39	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#6	22.08	21.28	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#13	22.12	21.32	33.00	PASS
Band38	5MHz	QPSK	37775	25RB#0	22.10	21.30	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#0	23.15	22.35	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#12	23.18	22.38	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#24	23.12	22.32	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#0	22.17	21.37	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#6	22.06	21.26	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#13	21.98	21.18	33.00	PASS
Band38	5MHz	QPSK	38000	25RB#0	22.13	21.33	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#0	23.25	22.45	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#12	23.25	22.45	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#24	23.25	22.45	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#0	22.23	21.43	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#6	22.23	21.43	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#13	22.17	21.37	33.00	PASS
Band38	5MHz	QPSK	38225	25RB#0	22.20	21.40	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#0	22.21	21.41	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#12	22.22	21.42	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#24	22.25	21.45	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#0	21.14	20.34	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#6	21.16	20.36	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#13	21.18	20.38	33.00	PASS
Band38	5MHz	16QAM	37775	25RB#0	21.17	20.37	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#0	22.17	21.37	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#12	22.15	21.35	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#24	22.06	21.26	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#0	21.03	20.23	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#6	21.01	20.21	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#13	21.05	20.25	33.00	PASS
Band38	5MHz	16QAM	38000	25RB#0	21.07	20.27	33.00	PASS



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Band38	5MHz	16QAM	38225	1RB#0	22.32	21.52	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#12	22.15	21.35	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#24	22.20	21.40	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#0	21.12	20.32	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#6	21.19	20.39	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#13	21.14	20.34	33.00	PASS
Band38	5MHz	16QAM	38225	25RB#0	21.19	20.39	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#0	21.18	20.38	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#12	21.29	20.49	33.00	PASS
Band38	5MHz	64QAM	37775	1RB#24	21.27	20.47	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#0	20.05	19.25	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#6	20.12	19.32	33.00	PASS
Band38	5MHz	64QAM	37775	12RB#13	20.16	19.36	33.00	PASS
Band38	5MHz	64QAM	37775	25RB#0	20.21	19.41	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#0	21.14	20.34	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#12	21.17	20.37	33.00	PASS
Band38	5MHz	64QAM	38000	1RB#24	21.13	20.33	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#0	20.08	19.28	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#6	20.06	19.26	33.00	PASS
Band38	5MHz	64QAM	38000	12RB#13	20.12	19.32	33.00	PASS
Band38	5MHz	64QAM	38000	25RB#0	19.98	19.18	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#0	21.41	20.61	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#12	21.21	20.41	33.00	PASS
Band38	5MHz	64QAM	38225	1RB#24	21.14	20.34	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#0	20.06	19.26	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#6	20.24	19.44	33.00	PASS
Band38	5MHz	64QAM	38225	12RB#13	20.19	19.39	33.00	PASS
Band38	5MHz	64QAM	38225	25RB#0	20.10	19.30	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#0	23.08	22.28	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#24	23.08	22.28	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#49	23.06	22.26	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#0	22.00	21.20	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#12	22.02	21.22	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#25	22.03	21.23	33.00	PASS
Band38	10MHz	QPSK	37800	50RB#0	22.00	21.20	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#0	23.02	22.22	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#24	23.06	22.26	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#49	23.01	22.21	33.00	PASS



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Band38	10MHz	QPSK	38000	25RB#0	22.06	21.26	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#12	22.08	21.28	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#25	21.97	21.17	33.00	PASS
Band38	10MHz	QPSK	38000	50RB#0	22.05	21.25	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#0	23.01	22.21	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#24	23.22	22.42	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#49	23.13	22.33	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#0	22.14	21.34	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#12	22.08	21.28	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#25	22.03	21.23	33.00	PASS
Band38	10MHz	QPSK	38200	50RB#0	22.20	21.40	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#0	22.08	21.28	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#24	22.00	21.20	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#49	22.01	21.21	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#0	21.03	20.23	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#12	21.06	20.26	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#25	21.07	20.27	33.00	PASS
Band38	10MHz	16QAM	37800	50RB#0	20.99	20.19	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#0	22.03	21.23	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#24	22.12	21.32	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#49	21.96	21.16	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#0	21.02	20.22	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#12	21.08	20.28	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#25	20.93	20.13	33.00	PASS
Band38	10MHz	16QAM	38000	50RB#0	21.08	20.28	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#0	22.14	21.34	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#24	22.09	21.29	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#49	22.10	21.30	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#0	21.17	20.37	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#12	21.11	20.31	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#25	21.13	20.33	33.00	PASS
Band38	10MHz	16QAM	38200	50RB#0	21.14	20.34	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#0	21.02	20.22	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#24	20.95	20.15	33.00	PASS
Band38	10MHz	64QAM	37800	1RB#49	21.01	20.21	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#0	19.98	19.18	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#12	20.02	19.22	33.00	PASS
Band38	10MHz	64QAM	37800	25RB#25	19.99	19.19	33.00	PASS



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Band38	10MHz	64QAM	37800	50RB#0	20.01	19.21	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#0	20.93	20.13	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#24	21.10	20.30	33.00	PASS
Band38	10MHz	64QAM	38000	1RB#49	20.93	20.13	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#0	20.03	19.23	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#12	20.13	19.33	33.00	PASS
Band38	10MHz	64QAM	38000	25RB#25	19.89	19.09	33.00	PASS
Band38	10MHz	64QAM	38000	50RB#0	20.10	19.30	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#0	21.18	20.38	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#24	21.11	20.31	33.00	PASS
Band38	10MHz	64QAM	38200	1RB#49	21.16	20.36	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#0	20.24	19.44	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#12	20.07	19.27	33.00	PASS
Band38	10MHz	64QAM	38200	25RB#25	20.20	19.40	33.00	PASS
Band38	10MHz	64QAM	38200	50RB#0	20.21	19.41	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#0	23.09	22.29	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#38	23.18	22.38	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#74	23.09	22.29	33.00	PASS
Band38	15MHz	QPSK	37825	38RB#0	22.01	21.21	33.00	PASS
Band38	15MHz	QPSK	37825	38RB#18	22.13	21.33	33.00	PASS
Band38	15MHz	QPSK	37825	38RB#37	22.11	21.31	33.00	PASS
Band38	15MHz	QPSK	37825	75RB#0	22.02	21.22	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#0	23.05	22.25	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#38	23.09	22.29	33.00	PASS
Band38	15MHz	QPSK	38000	1RB#74	23.05	22.25	33.00	PASS
Band38	15MHz	QPSK	38000	38RB#0	22.03	21.23	33.00	PASS
Band38	15MHz	QPSK	38000	38RB#18	22.06	21.26	33.00	PASS
Band38	15MHz	QPSK	38000	38RB#37	22.04	21.24	33.00	PASS
Band38	15MHz	QPSK	38000	75RB#0	22.04	21.24	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#0	23.03	22.23	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#38	23.21	22.41	33.00	PASS
Band38	15MHz	QPSK	38175	1RB#74	23.10	22.30	33.00	PASS
Band38	15MHz	QPSK	38175	38RB#0	22.13	21.33	33.00	PASS
Band38	15MHz	QPSK	38175	38RB#18	22.10	21.30	33.00	PASS
Band38	15MHz	QPSK	38175	38RB#37	22.08	21.28	33.00	PASS
Band38	15MHz	QPSK	38175	75RB#0	22.08	21.28	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#0	22.11	21.31	33.00	PASS
Band38	15MHz	16QAM	37825	1RB#38	22.15	21.35	33.00	PASS



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Band38	15MHz	16QAM	37825	1RB#74	22.01	21.21	33.00	PASS
Band38	15MHz	16QAM	37825	38RB#0	20.97	20.17	33.00	PASS
Band38	15MHz	16QAM	37825	38RB#18	21.03	20.23	33.00	PASS
Band38	15MHz	16QAM	37825	38RB#37	21.02	20.22	33.00	PASS
Band38	15MHz	16QAM	37825	75RB#0	21.04	20.24	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#0	22.06	21.26	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#38	22.03	21.23	33.00	PASS
Band38	15MHz	16QAM	38000	1RB#74	22.07	21.27	33.00	PASS
Band38	15MHz	16QAM	38000	38RB#0	21.08	20.28	33.00	PASS
Band38	15MHz	16QAM	38000	38RB#18	21.05	20.25	33.00	PASS
Band38	15MHz	16QAM	38000	38RB#37	20.94	20.14	33.00	PASS
Band38	15MHz	16QAM	38000	75RB#0	21.09	20.29	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#0	22.10	21.30	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#38	22.16	21.36	33.00	PASS
Band38	15MHz	16QAM	38175	1RB#74	22.06	21.26	33.00	PASS
Band38	15MHz	16QAM	38175	38RB#0	21.02	20.22	33.00	PASS
Band38	15MHz	16QAM	38175	38RB#18	20.99	20.19	33.00	PASS
Band38	15MHz	16QAM	38175	38RB#37	21.10	20.30	33.00	PASS
Band38	15MHz	16QAM	38175	75RB#0	21.09	20.29	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#0	21.02	20.22	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#38	21.24	20.44	33.00	PASS
Band38	15MHz	64QAM	37825	1RB#74	21.08	20.28	33.00	PASS
Band38	15MHz	64QAM	37825	38RB#0	20.05	19.25	33.00	PASS
Band38	15MHz	64QAM	37825	38RB#18	20.08	19.28	33.00	PASS
Band38	15MHz	64QAM	37825	38RB#37	19.98	19.18	33.00	PASS
Band38	15MHz	64QAM	37825	75RB#0	19.93	19.13	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#0	21.12	20.32	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#38	21.05	20.25	33.00	PASS
Band38	15MHz	64QAM	38000	1RB#74	21.00	20.20	33.00	PASS
Band38	15MHz	64QAM	38000	38RB#0	20.02	19.22	33.00	PASS
Band38	15MHz	64QAM	38000	38RB#18	20.08	19.28	33.00	PASS
Band38	15MHz	64QAM	38000	38RB#37	20.03	19.23	33.00	PASS
Band38	15MHz	64QAM	38000	75RB#0	19.98	19.18	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#0	21.00	20.20	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#38	21.13	20.33	33.00	PASS
Band38	15MHz	64QAM	38175	1RB#74	21.04	20.24	33.00	PASS
Band38	15MHz	64QAM	38175	38RB#0	20.07	19.27	33.00	PASS
Band38	15MHz	64QAM	38175	38RB#18	19.92	19.12	33.00	PASS



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Band38	15MHz	64QAM	38175	38RB#37	20.02	19.22	33.00	PASS
Band38	15MHz	64QAM	38175	75RB#0	20.08	19.28	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#0	22.95	22.15	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#49	23.04	22.24	33.00	PASS
Band38	20MHz	QPSK	37850	1RB#99	22.99	22.19	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#0	22.02	21.22	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#25	22.02	21.22	33.00	PASS
Band38	20MHz	QPSK	37850	50RB#50	22.09	21.29	33.00	PASS
Band38	20MHz	QPSK	37850	100RB#0	22.00	21.20	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#0	22.87	22.07	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#49	23.04	22.24	33.00	PASS
Band38	20MHz	QPSK	38000	1RB#99	22.98	22.18	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#0	22.04	21.24	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#25	22.06	21.26	33.00	PASS
Band38	20MHz	QPSK	38000	50RB#50	22.10	21.30	33.00	PASS
Band38	20MHz	QPSK	38000	100RB#0	22.05	21.25	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#0	23.00	22.20	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#49	23.07	22.27	33.00	PASS
Band38	20MHz	QPSK	38150	1RB#99	23.04	22.24	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#0	22.02	21.22	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#25	22.03	21.23	33.00	PASS
Band38	20MHz	QPSK	38150	50RB#50	22.09	21.29	33.00	PASS
Band38	20MHz	QPSK	38150	100RB#0	22.09	21.29	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#0	22.00	21.20	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#49	22.06	21.26	33.00	PASS
Band38	20MHz	16QAM	37850	1RB#99	21.98	21.18	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#0	20.98	20.18	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#25	21.00	20.20	33.00	PASS
Band38	20MHz	16QAM	37850	50RB#50	21.03	20.23	33.00	PASS
Band38	20MHz	16QAM	37850	100RB#0	20.96	20.16	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#0	21.95	21.15	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#49	21.99	21.19	33.00	PASS
Band38	20MHz	16QAM	38000	1RB#99	21.97	21.17	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#0	21.04	20.24	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#25	21.05	20.25	33.00	PASS
Band38	20MHz	16QAM	38000	50RB#50	20.96	20.16	33.00	PASS
Band38	20MHz	16QAM	38000	100RB#0	20.87	20.07	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#0	22.00	21.20	33.00	PASS



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Band38	20MHz	16QAM	38150	1RB#49	22.03	21.23	33.00	PASS
Band38	20MHz	16QAM	38150	1RB#99	22.03	21.23	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#0	21.06	20.26	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#25	21.16	20.36	33.00	PASS
Band38	20MHz	16QAM	38150	50RB#50	21.08	20.28	33.00	PASS
Band38	20MHz	16QAM	38150	100RB#0	21.07	20.27	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#0	21.07	20.27	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#49	21.13	20.33	33.00	PASS
Band38	20MHz	64QAM	37850	1RB#99	21.04	20.24	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#0	20.02	19.22	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#25	19.93	19.13	33.00	PASS
Band38	20MHz	64QAM	37850	50RB#50	19.94	19.14	33.00	PASS
Band38	20MHz	64QAM	37850	100RB#0	19.91	19.11	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#0	20.92	20.12	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#49	20.95	20.15	33.00	PASS
Band38	20MHz	64QAM	38000	1RB#99	20.88	20.08	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#0	20.06	19.26	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#25	19.94	19.14	33.00	PASS
Band38	20MHz	64QAM	38000	50RB#50	19.88	19.08	33.00	PASS
Band38	20MHz	64QAM	38000	100RB#0	19.79	18.99	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#0	20.94	20.14	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#49	21.03	20.23	33.00	PASS
Band38	20MHz	64QAM	38150	1RB#99	21.08	20.28	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#0	20.04	19.24	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#25	20.05	19.25	33.00	PASS
Band38	20MHz	64QAM	38150	50RB#50	19.97	19.17	33.00	PASS
Band38	20MHz	64QAM	38150	100RB#0	20.04	19.24	33.00	PASS

Remark:

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

$$ERP [dBm] = \text{Conducted Power [dBm]} + \text{Gain [dBi]}$$

$$EIRP [dBm] = \text{Conducted Power [dBm]} + \text{Gain [dBi]}$$

The conducted Power is measured by Base Station Simulator



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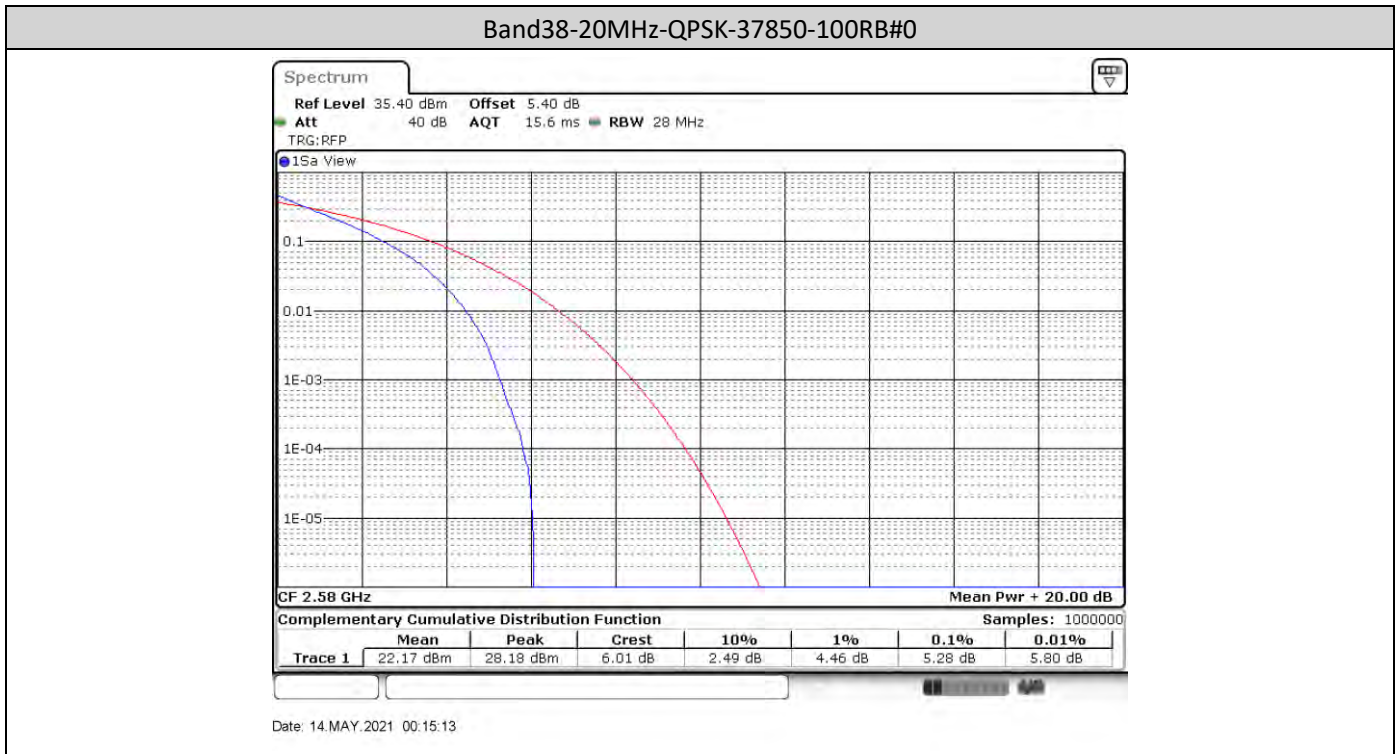


## 2. Peak-to-Average Ratio (CCDF)

### 2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	20MHz	QPSK	37850	100RB#0	5.28	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	8.70	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	8.72	13	PASS
Band38	20MHz	64QAM	37850	100RB#0	8.93	13	PASS
Band38	20MHz	64QAM	38000	100RB#0	9.88	13	PASS
Band38	20MHz	64QAM	38150	100RB#0	9.77	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	9.51	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	9.36	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	9.54	13	PASS

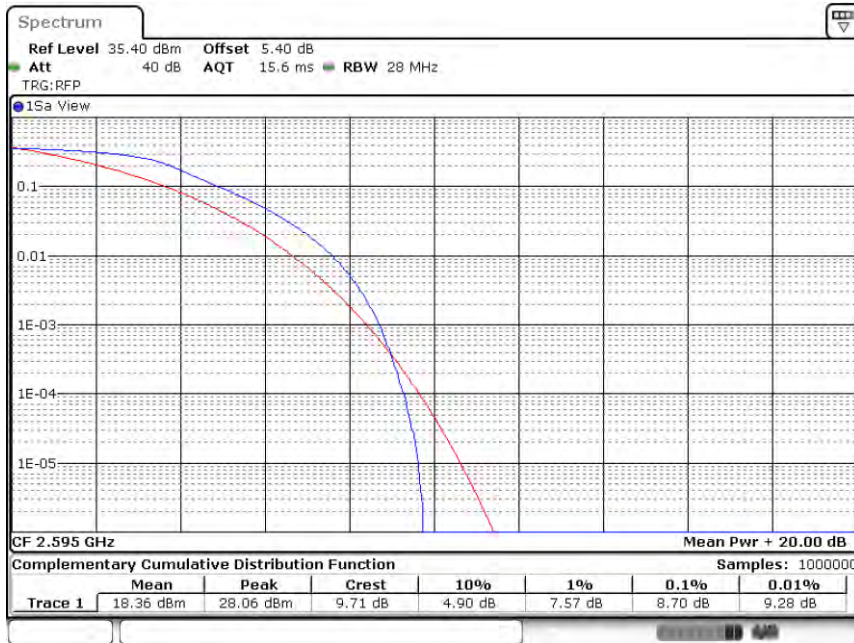
### 2.2. Test Plots



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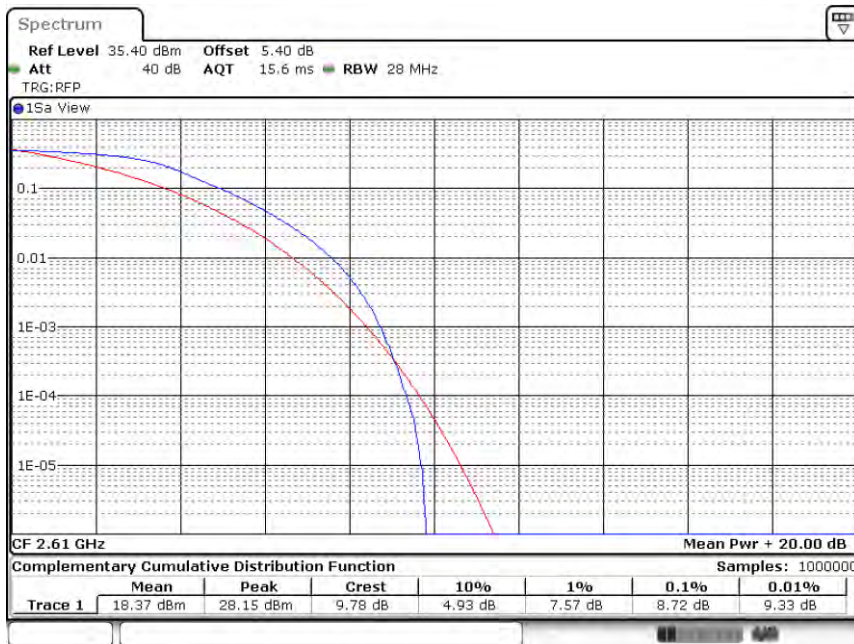
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**Band38-20MHz-QPSK-38000-100RB#0**



Date: 14 MAY.2021 00:15:35

**Band38-20MHz-QPSK-38150-100RB#0**



Date: 14 MAY.2021 00:15:58

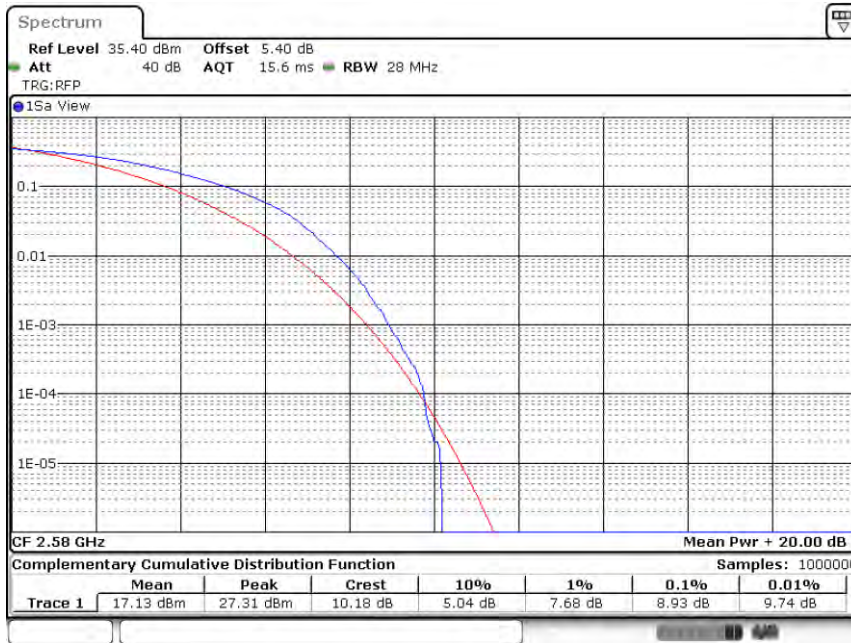


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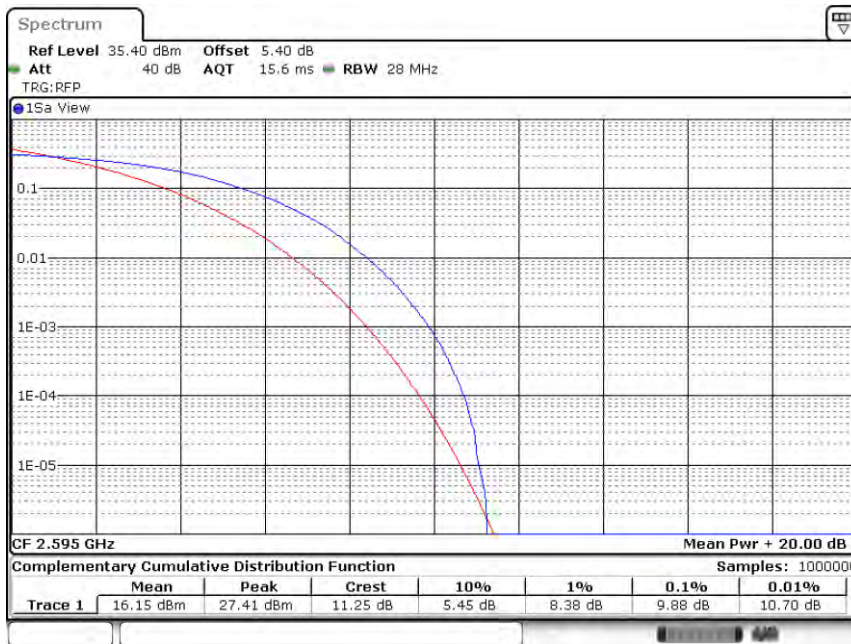


**Band38-20MHz-64QAM-37850-100RB#0**



Date: 14 MAY.2021 00:45:04

**Band38-20MHz-64QAM-38000-100RB#0**



Date: 14 MAY.2021 00:45:15



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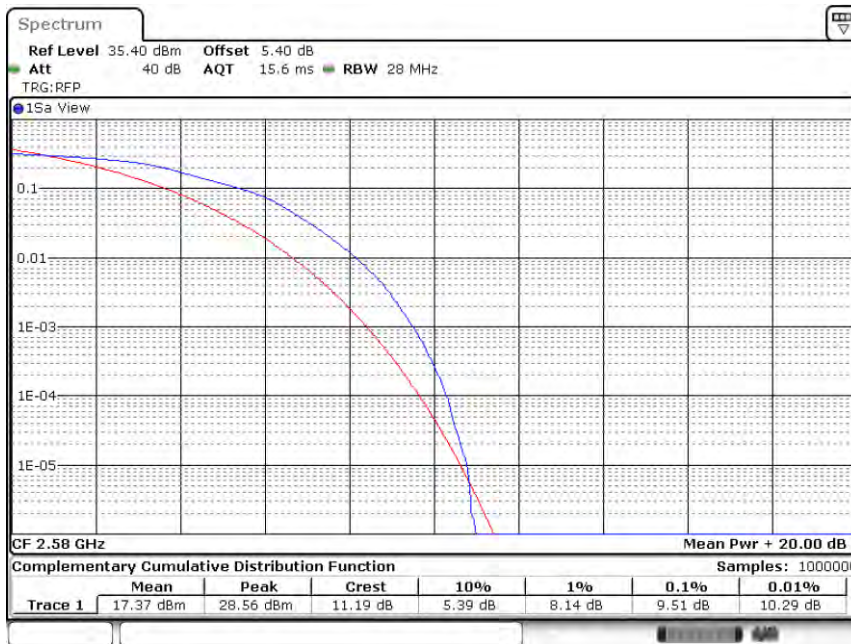


**Band38-20MHz-64QAM-38150-100RB#0**



Date: 14 MAY.2021 00:45:27

**Band38-20MHz-16QAM-37850-100RB#0**



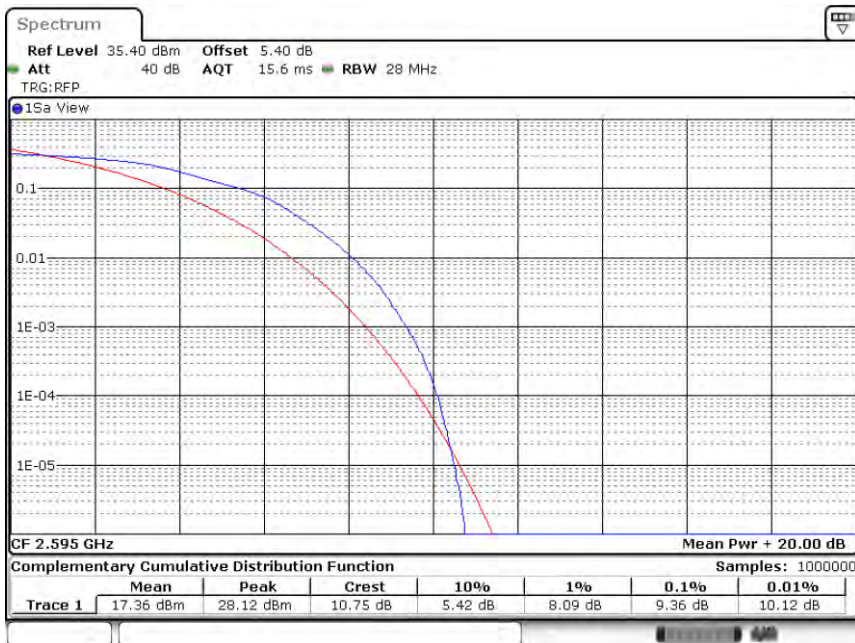
Date: 14 MAY.2021 00:15:24



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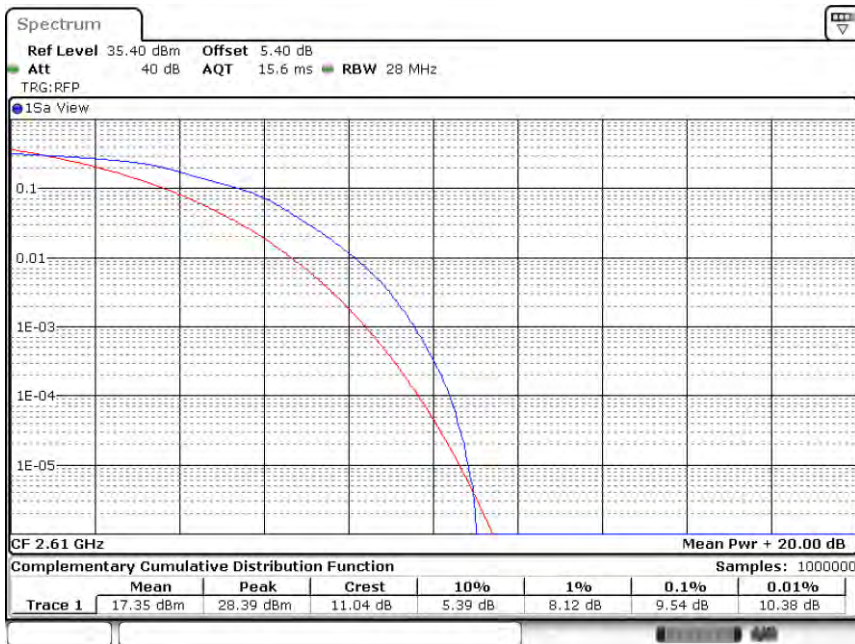


Band38-20MHz-16QAM-38000-100RB#0



Date: 14 MAY.2021 00:15:46

Band38-20MHz-16QAM-38150-100RB#0



Date: 14 MAY.2021 00:16:09

Remark: all modulation and all Bandwidth had been tested, but only the worst configuration was displayed in this report.



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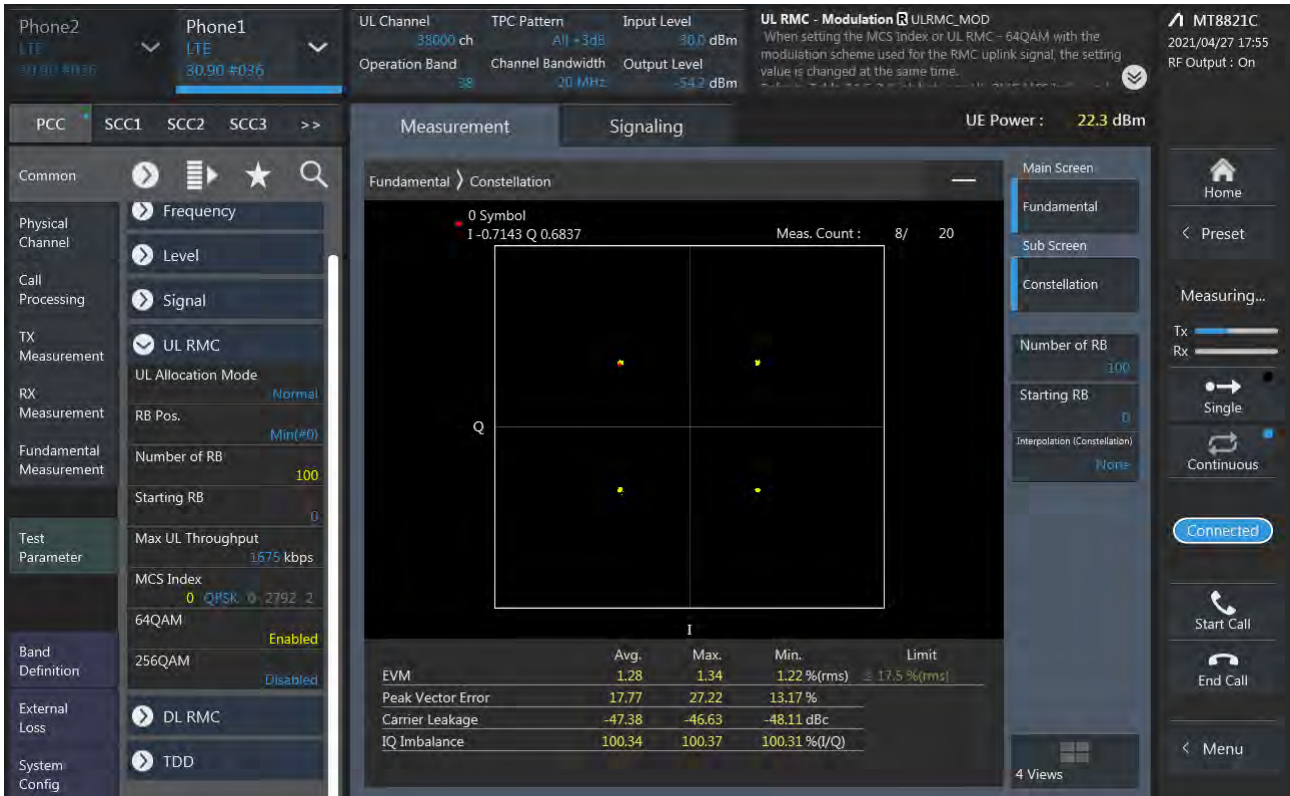




### 3. Modulation Characteristics

#### 3.1. Test Mode = LTE /TM1 20MHz

##### 3.1.1. Test Channel = MCH



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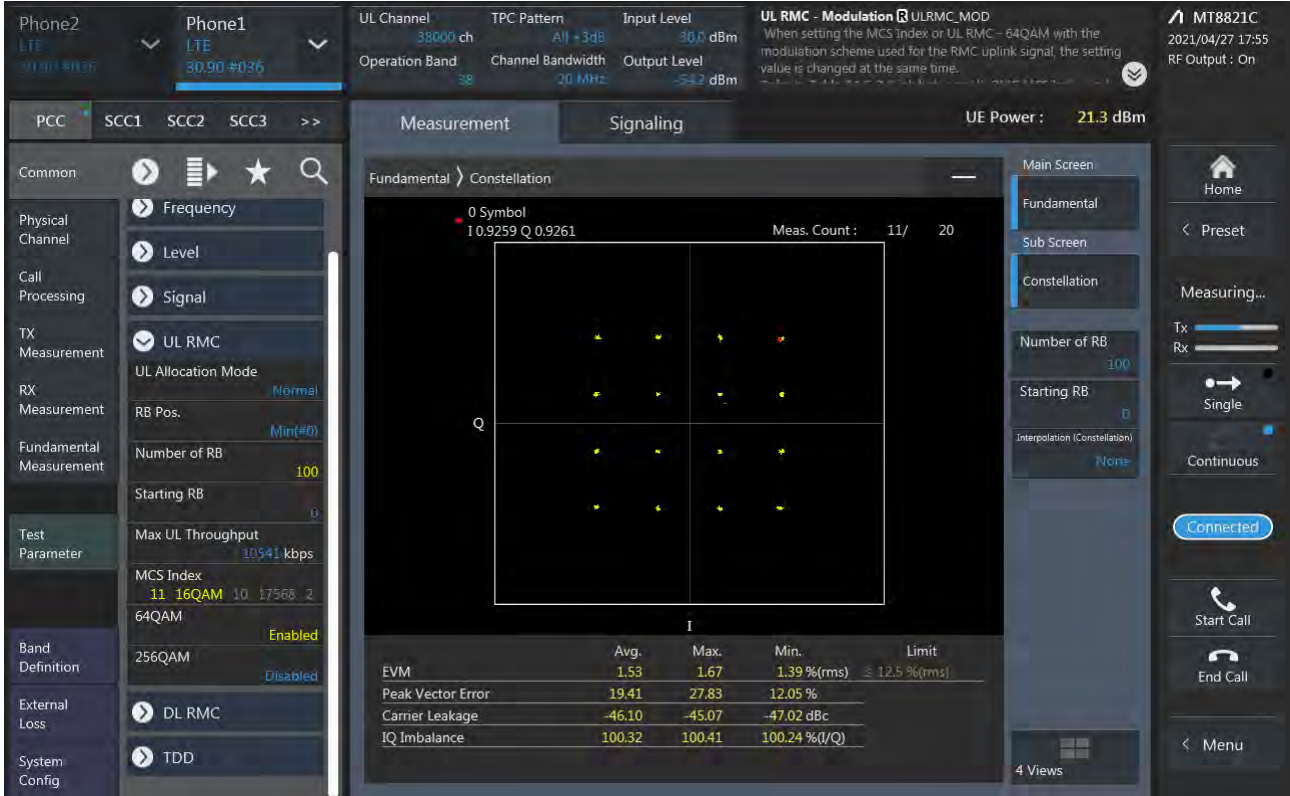
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### 3.2. Test Mode = LTE /TM2 20MHz

#### 3.2.1. Test Channel = MCH



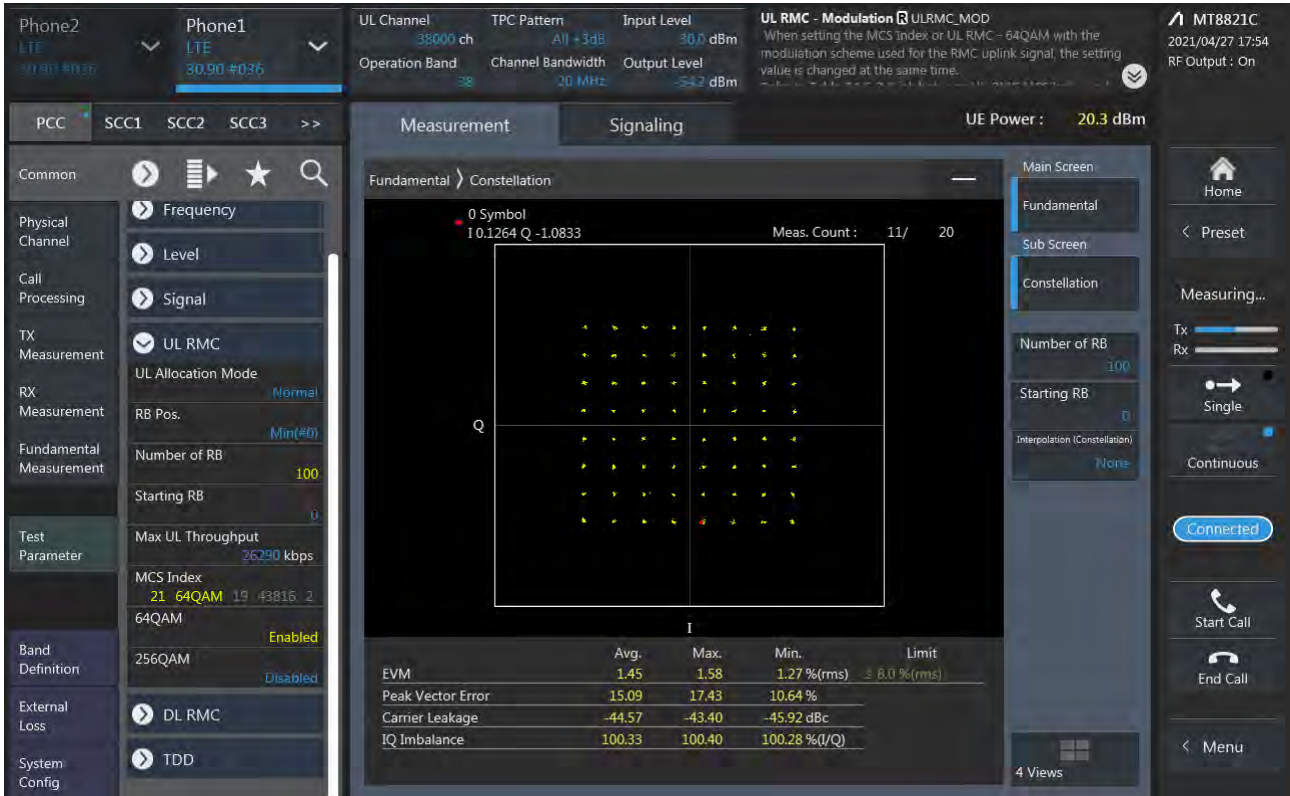
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### 3.3. Test Mode = LTE /TM3 20MHz

#### 3.3.1. 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
Band38	5MHz	QPSK	37775	25RB#0	4.466	4.850	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.466	4.900	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.476	4.870	PASS
Band38	5MHz	64QAM	37775	25RB#0	4.486	4.980	PASS
Band38	5MHz	64QAM	38000	25RB#0	4.486	5.000	PASS
Band38	5MHz	64QAM	38225	25RB#0	4.486	4.990	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.496	4.890	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.496	4.900	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.496	4.910	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.911	9.740	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.911	9.700	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.911	9.660	PASS
Band38	10MHz	64QAM	37800	50RB#0	8.931	10.080	PASS
Band38	10MHz	64QAM	38000	50RB#0	8.951	11.140	PASS
Band38	10MHz	64QAM	38200	50RB#0	8.931	10.100	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.951	9.800	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.931	9.920	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.931	9.900	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.487	15.600	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.516	15.660	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.487	15.690	PASS
Band38	15MHz	64QAM	37825	75RB#0	13.427	14.850	PASS
Band38	15MHz	64QAM	38000	75RB#0	13.457	16.020	PASS
Band38	15MHz	64QAM	38175	75RB#0	13.457	15.000	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.457	17.040	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.457	15.570	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.487	16.350	PASS
Band38	20MHz	QPSK	37850	100RB#0	17.902	20.040	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.902	19.960	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.942	19.960	PASS
Band38	20MHz	64QAM	37850	100RB#0	17.902	19.520	PASS



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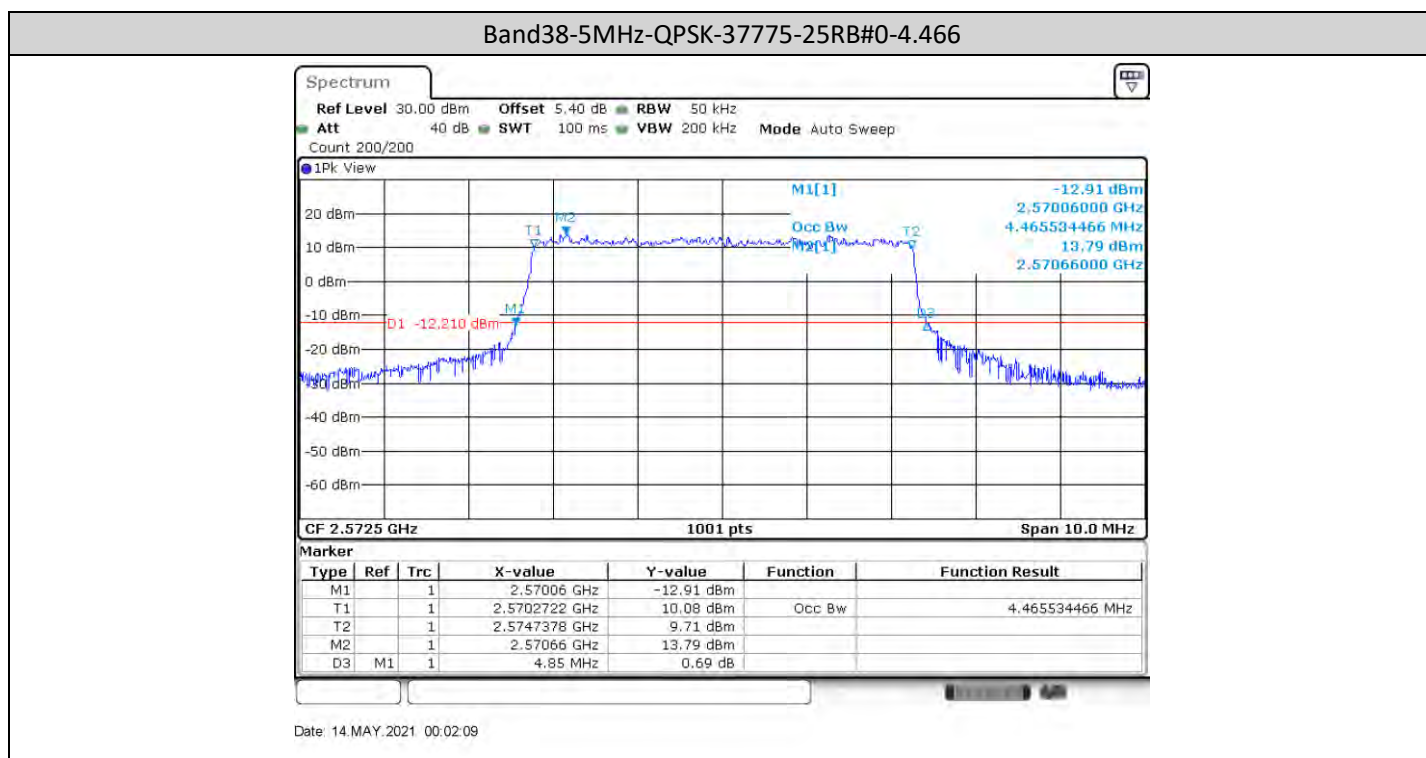
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Band38	20MHz	64QAM	38000	100RB#0	17.902	23.640	PASS
Band38	20MHz	64QAM	38150	100RB#0	17.902	19.440	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.862	19.280	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.862	19.240	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.862	19.360	PASS

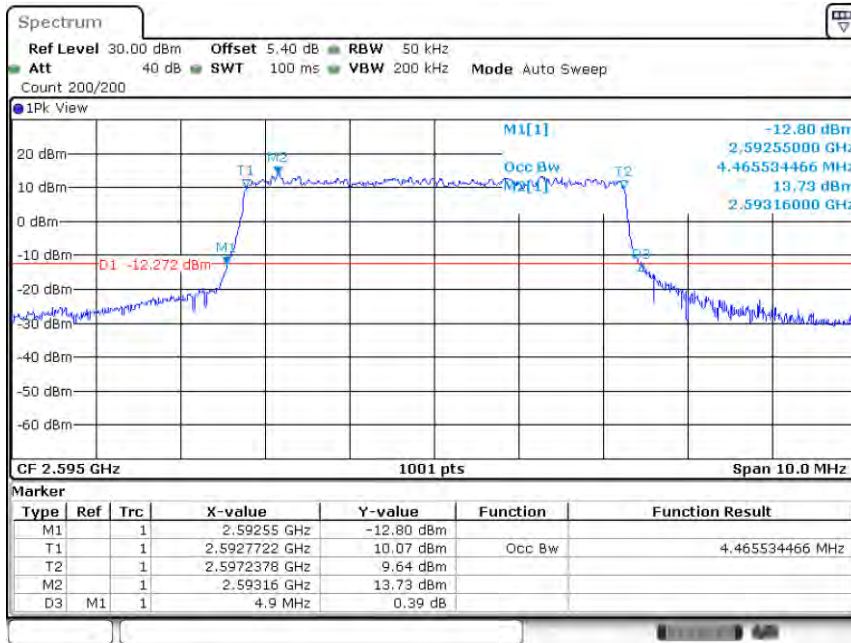
## 4.2. Test Plots



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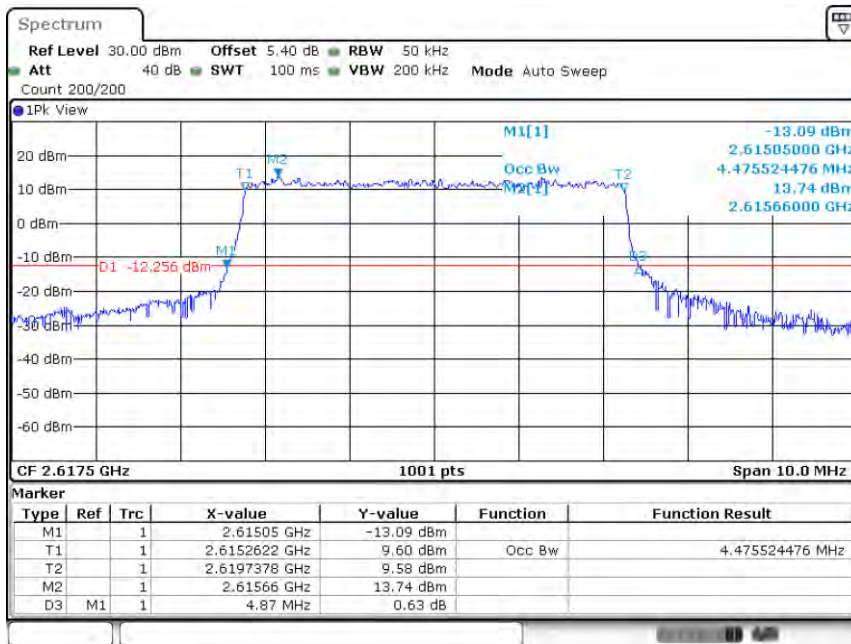
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**Band38-5MHz-QPSK-38000-25RB#0-4.466**



Date: 14 MAY.2021 00:03:14

**Band38-5MHz-QPSK-38225-25RB#0-4.476**



Date: 14 MAY.2021 00:04:20

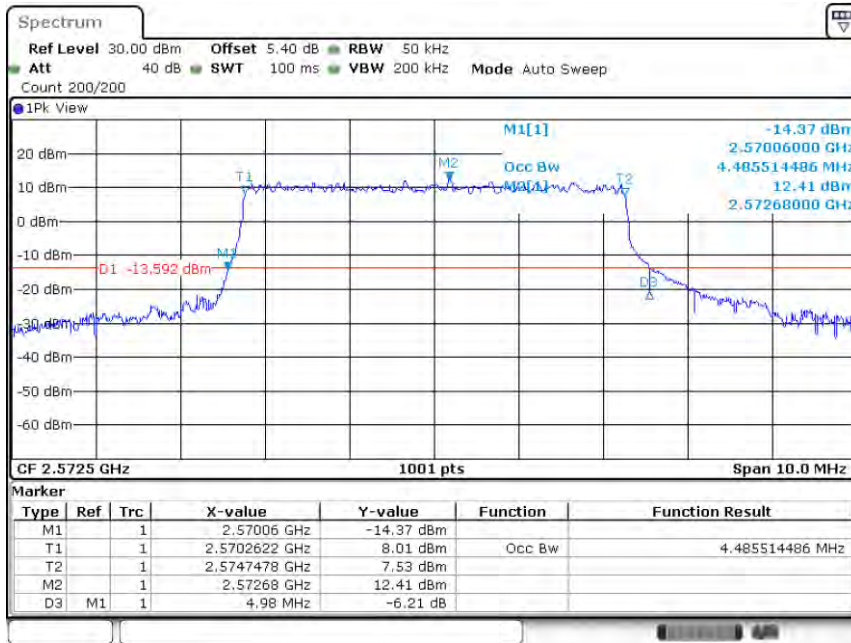


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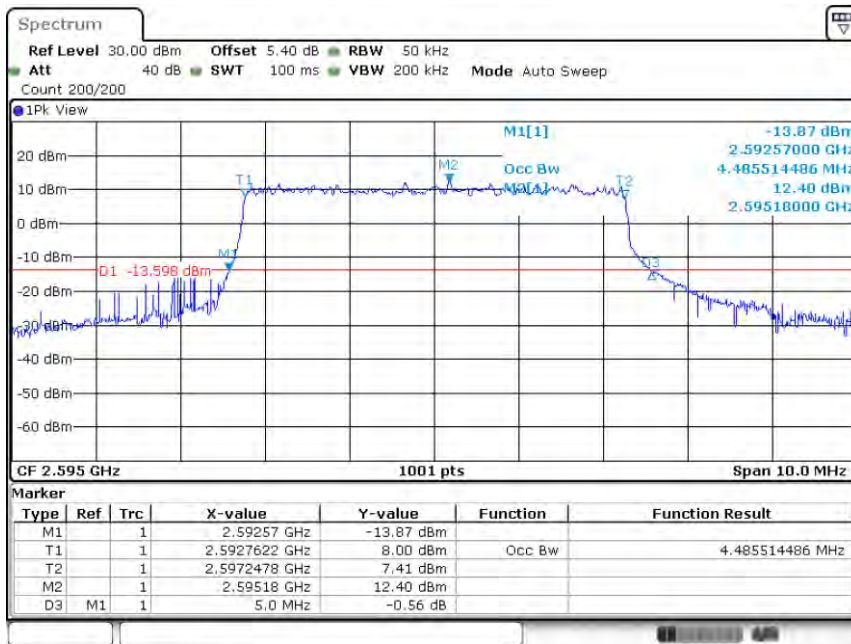


Band38-5MHz-64QAM-37775-25RB#0-4.486



Date: 14 MAY 2021 00:38:29

Band38-5MHz-64QAM-38000-25RB#0-4.486



Date: 14 MAY 2021 00:39:02



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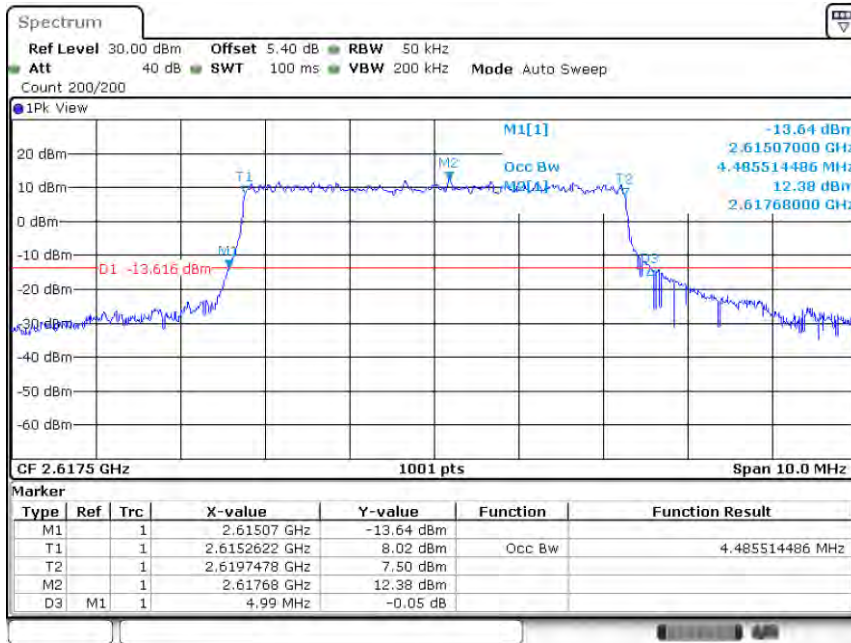
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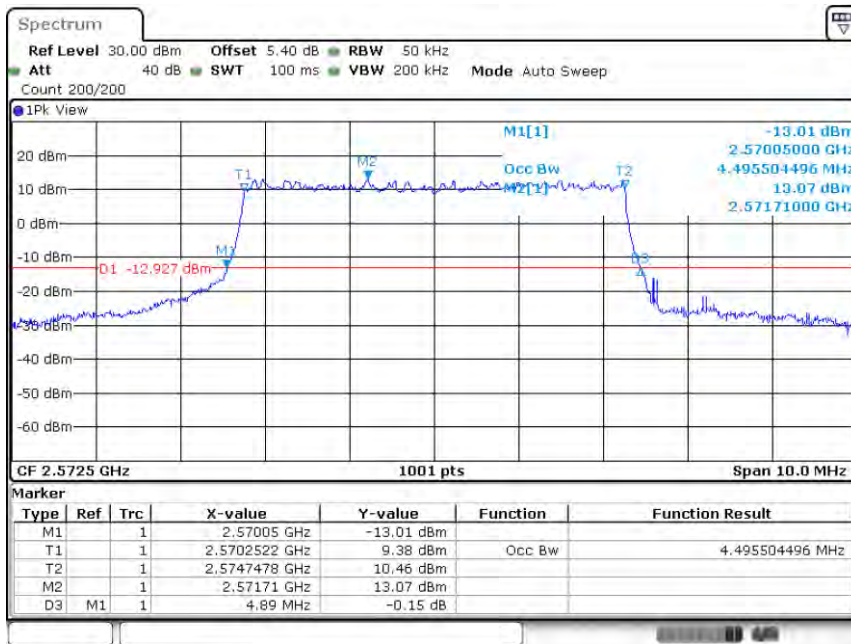


**Band38-5MHz-64QAM-38225-25RB#0-4.486**



Date: 14 MAY 2021 00:39:35

**Band38-5MHz-16QAM-37775-25RB#0-4.496**



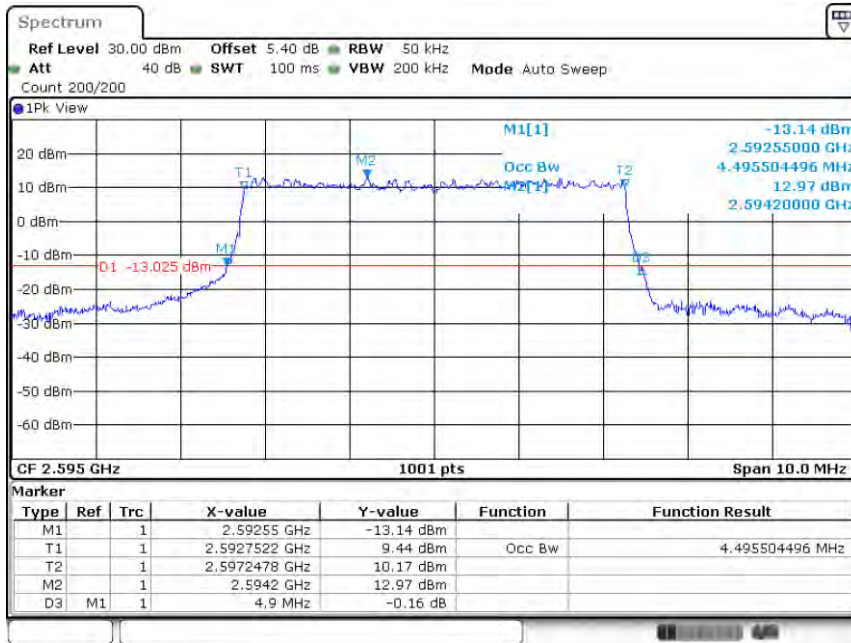
Date: 14 MAY 2021 00:02:42



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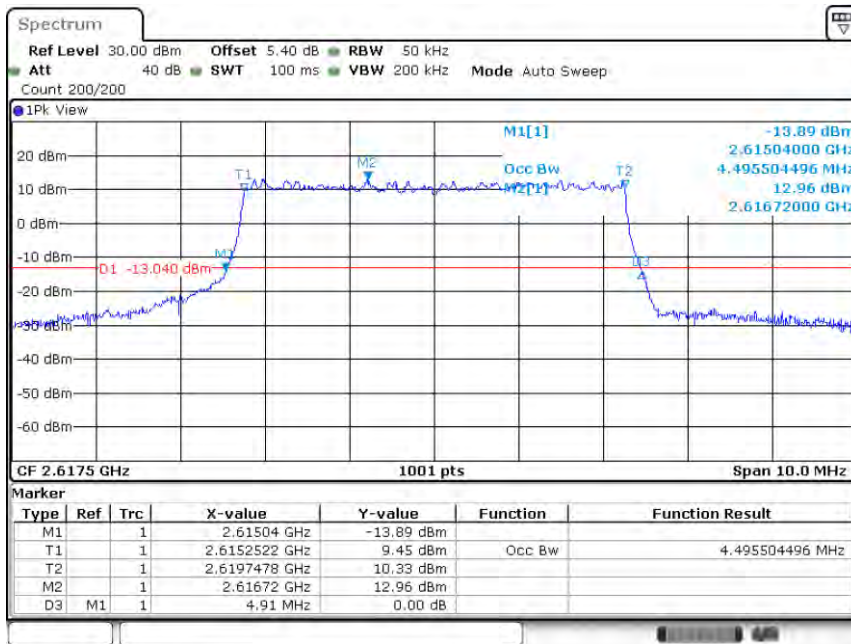


Band38-5MHz-16QAM-38000-25RB#0-4.496



Date: 14 MAY 2021 00:03:47

Band38-5MHz-16QAM-38225-25RB#0-4.496



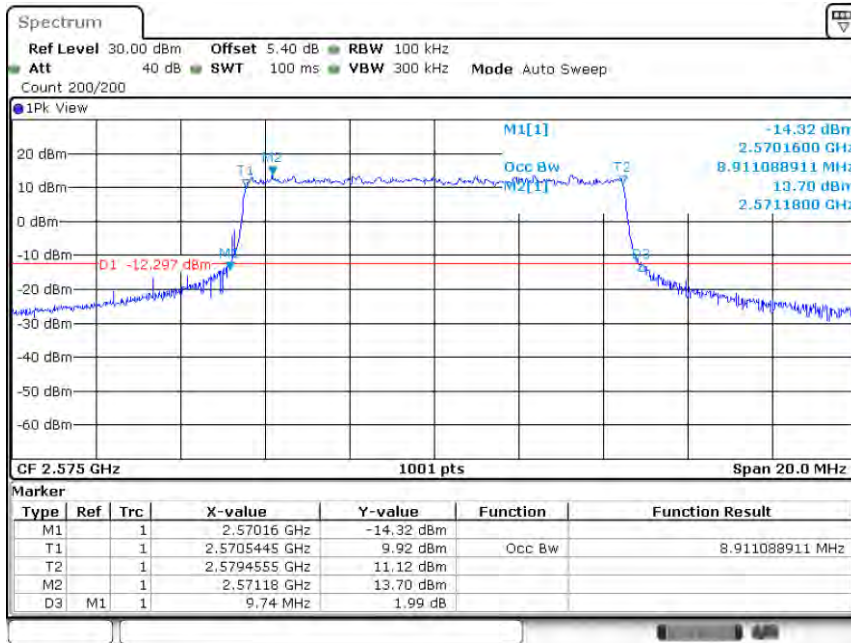
Date: 14 MAY 2021 00:04:53



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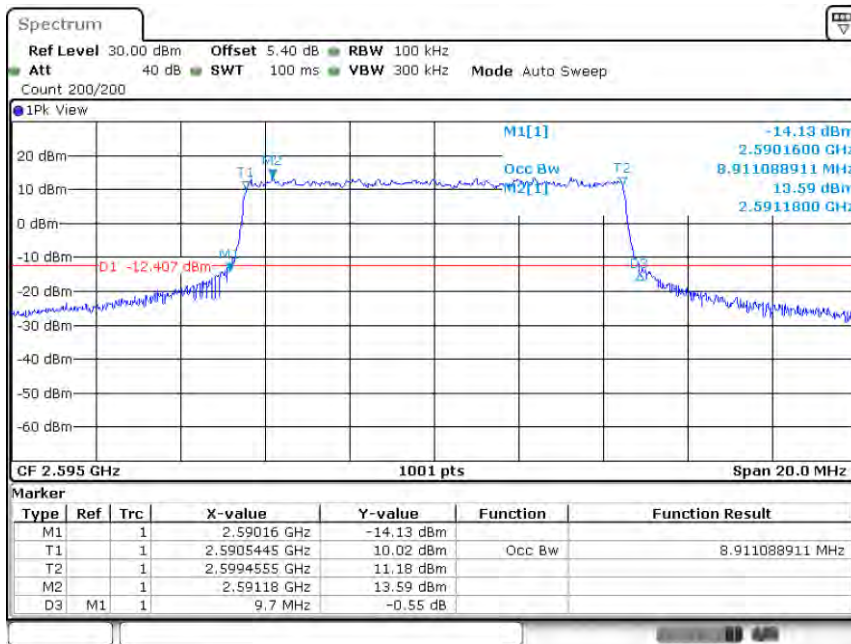


**Band38-10MHz-QPSK-37800-50RB#0-8.911**



Date: 14 MAY 2021 00:05:30

**Band38-10MHz-QPSK-38000-50RB#0-8.911**



Date: 14 MAY 2021 00:06:36

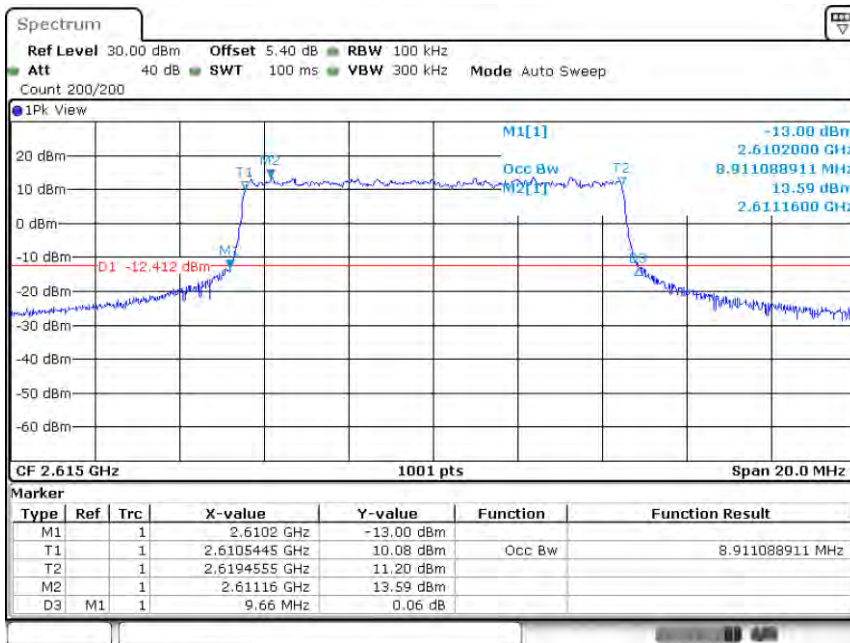


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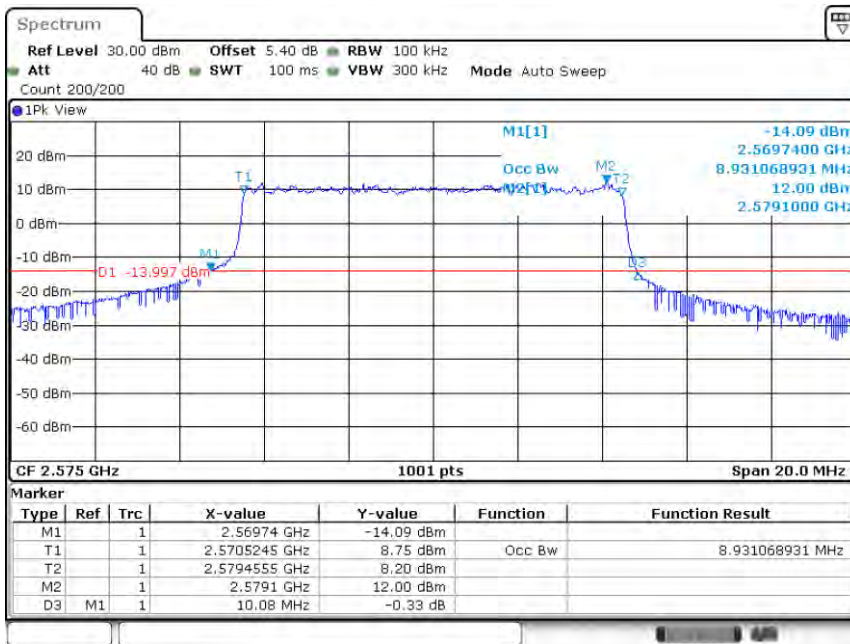


Band38-10MHz-QPSK-38200-50RB#0-8.911



Date: 14 MAY 2021 00:07:42

Band38-10MHz-64QAM-37800-50RB#0-8.931

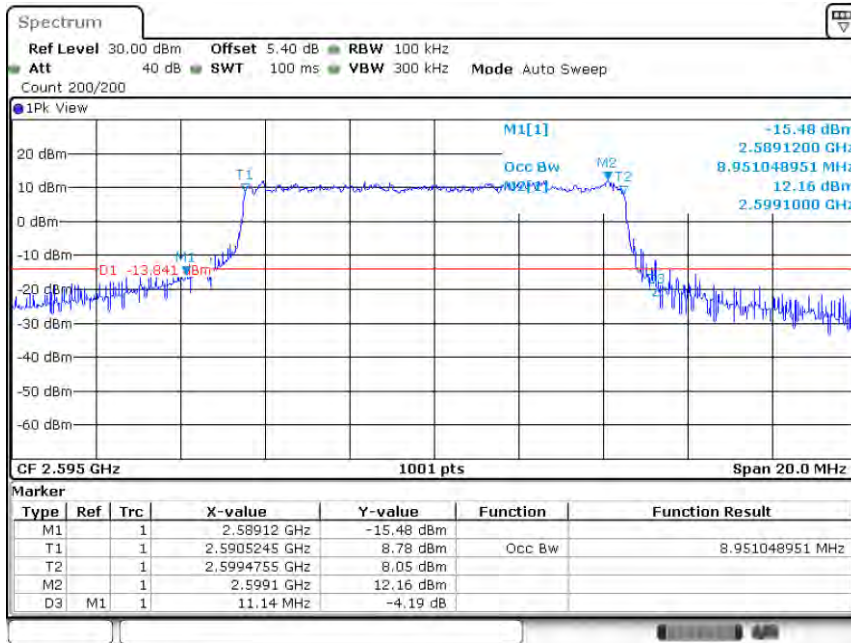


Date: 14 MAY 2021 00:40:14



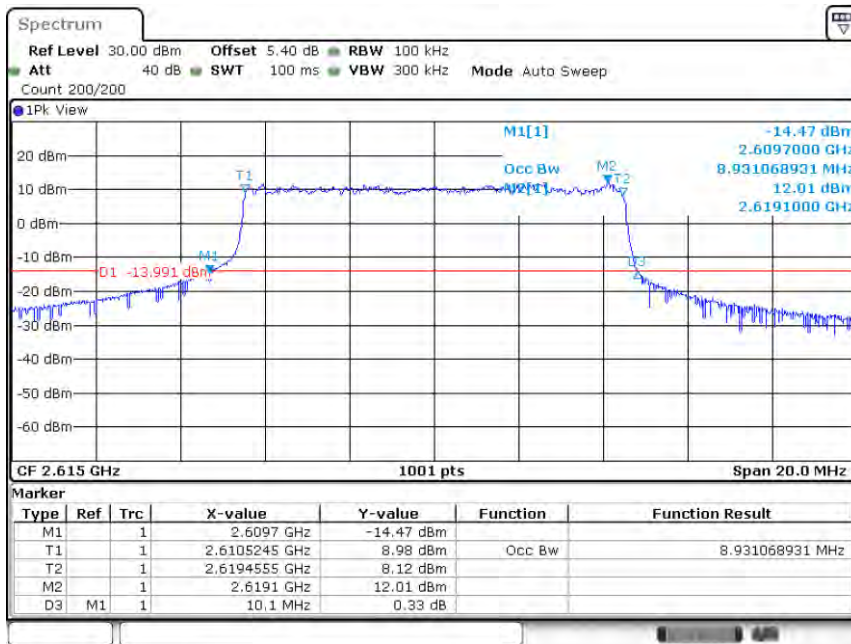
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**Band38-10MHz-64QAM-38000-50RB#0-8.951**



Date: 14 MAY 2021 00:40:46

**Band38-10MHz-64QAM-38200-50RB#0-8.931**



Date: 14 MAY 2021 00:41:19



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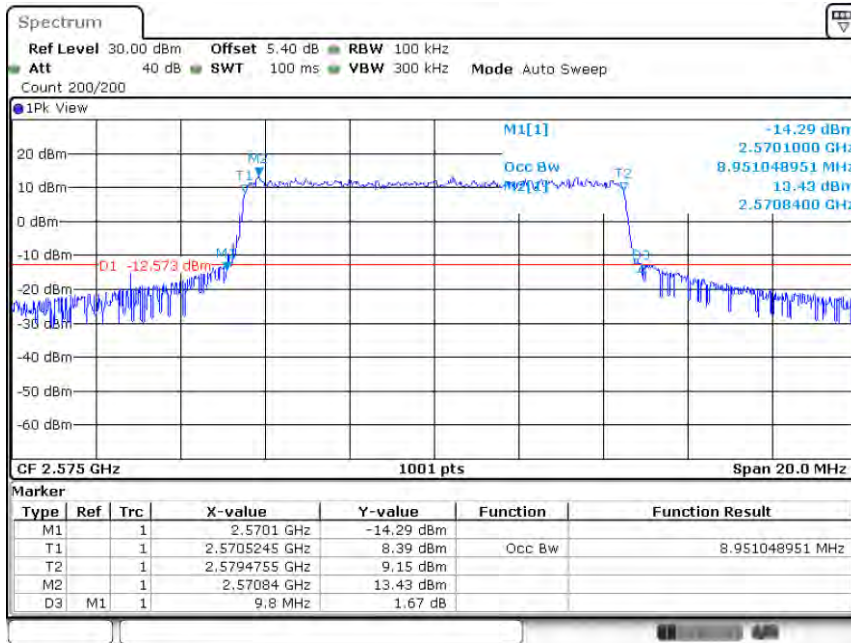
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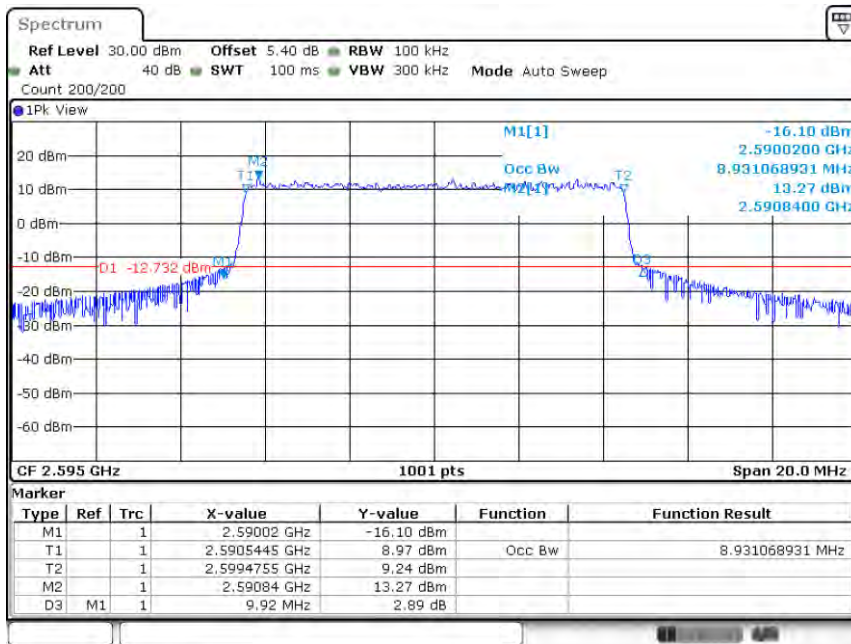


Band38-10MHz-16QAM-37800-50RB#0-8.951



Date: 14 MAY 2021 00:06:03

Band38-10MHz-16QAM-38000-50RB#0-8.931



Date: 14 MAY 2021 00:07:09

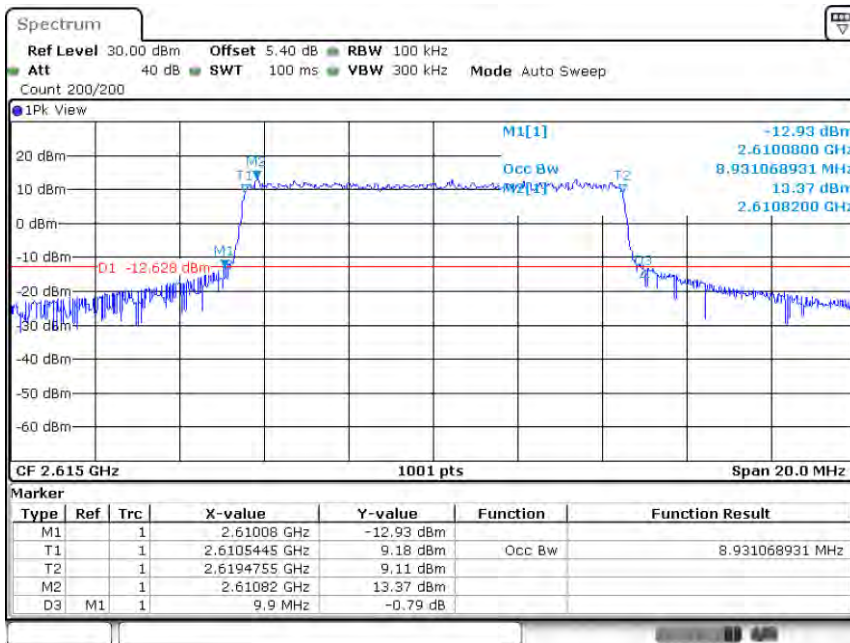


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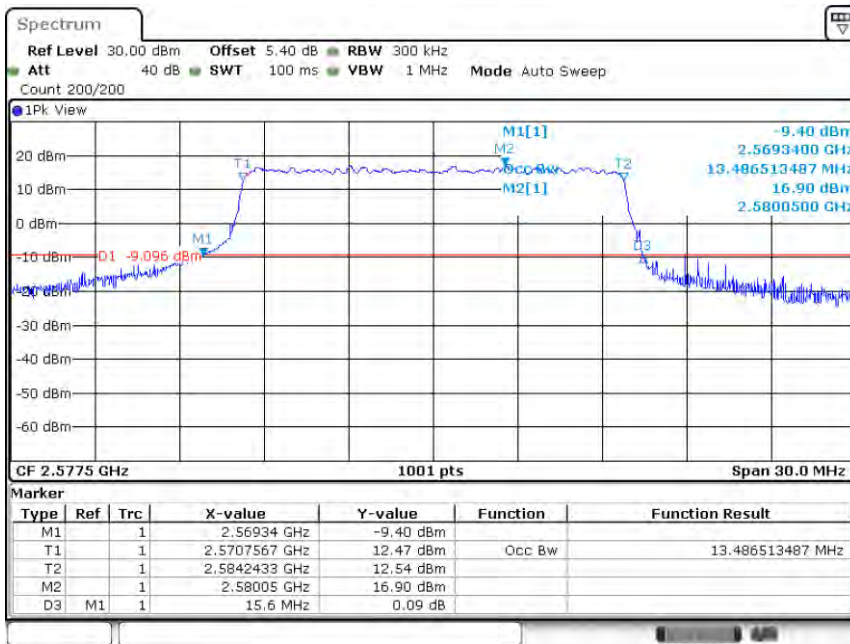


Band38-10MHz-16QAM-38200-50RB#0-8.931



Date: 14 MAY 2021 00:08:14

Band38-15MHz-QPSK-37825-75RB#0-13.487

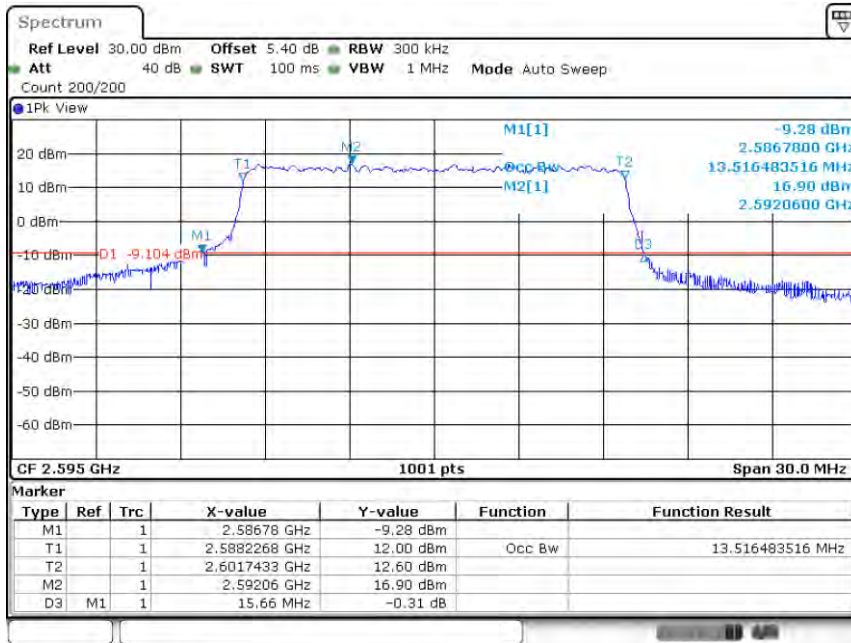


Date: 14 MAY 2021 00:08:52



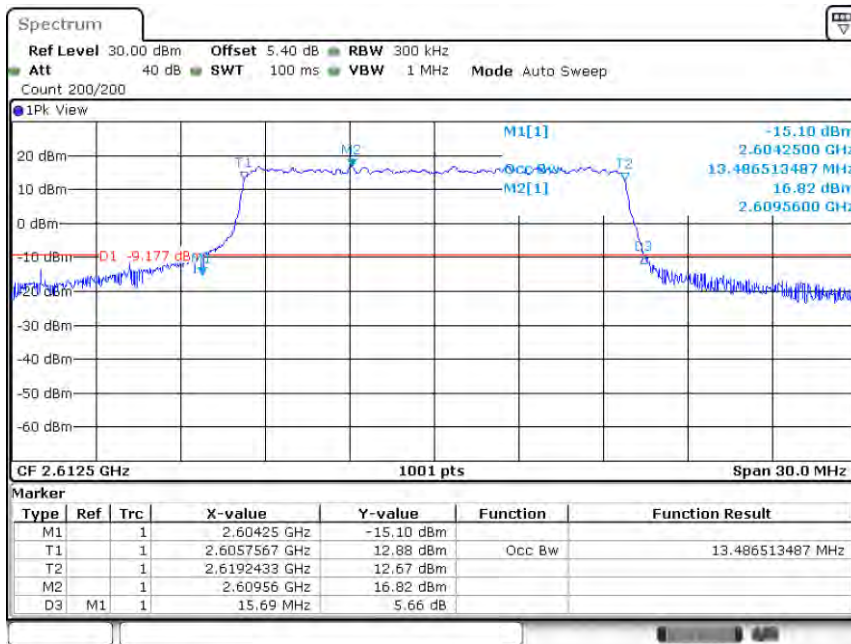
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**Band38-15MHz-QPSK-38000-75RB#0-13.516**



Date: 14 MAY 2021 00:09:58

**Band38-15MHz-QPSK-38175-75RB#0-13.487**



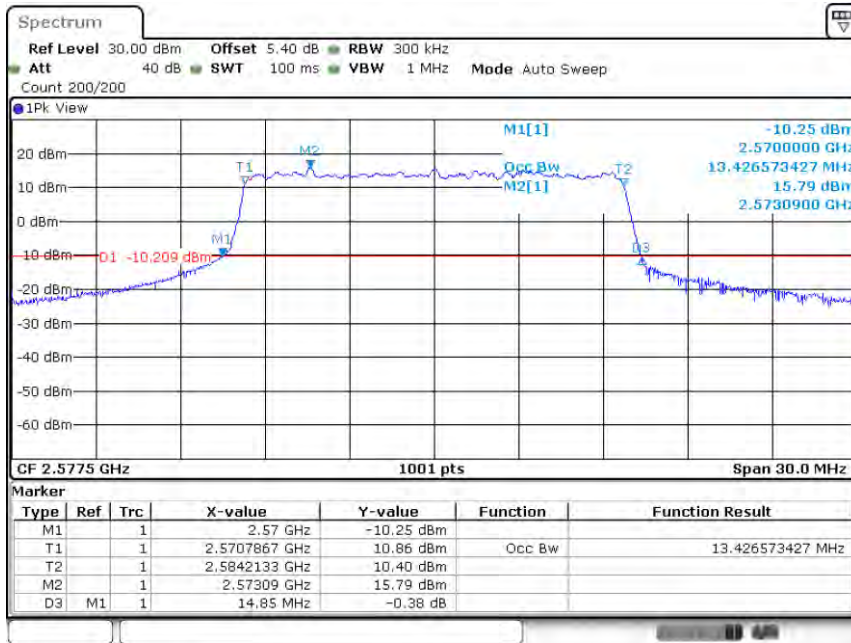
Date: 14 MAY 2021 00:11:03



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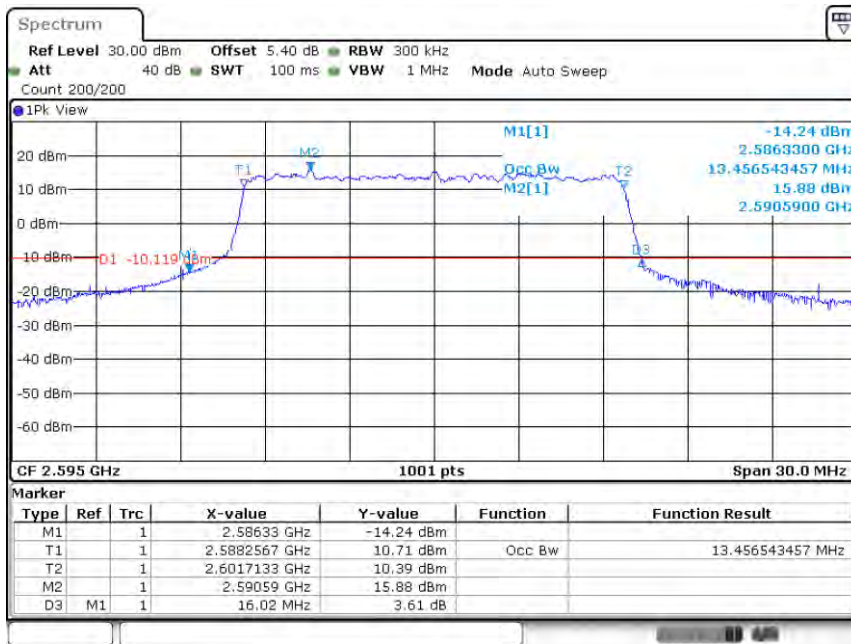


**Band38-15MHz-64QAM-37825-75RB#0-13.427**



Date: 14 MAY 2021 00:41:59

**Band38-15MHz-64QAM-38000-75RB#0-13.457**



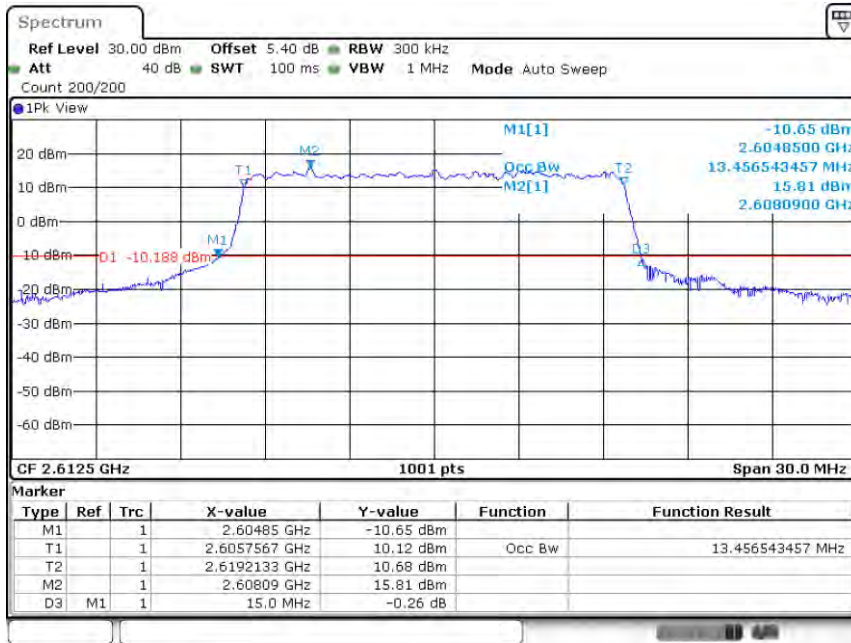
Date: 14 MAY 2021 00:42:32



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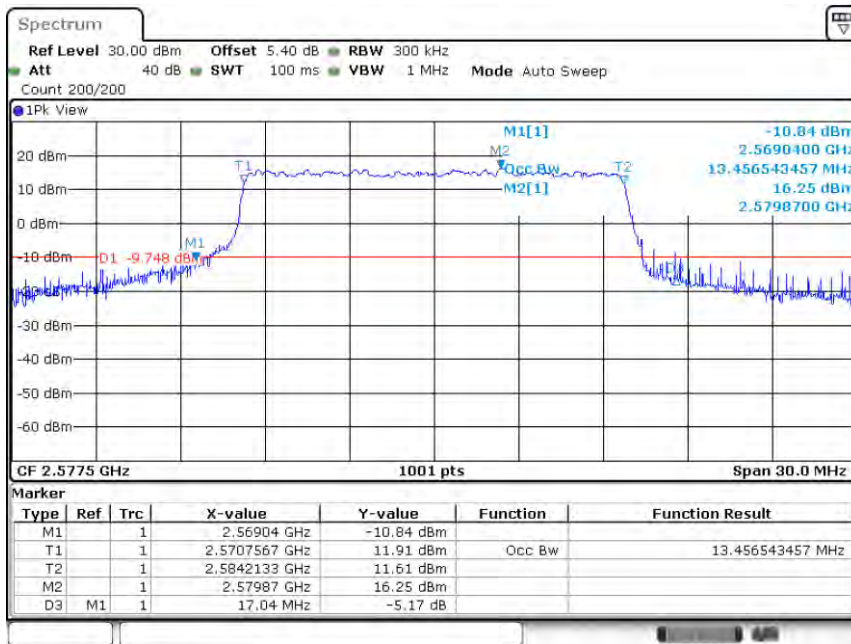


**Band38-15MHz-64QAM-38175-75RB#0-13.457**



Date: 14 MAY 2021 00:43:05

**Band38-15MHz-16QAM-37825-75RB#0-13.457**

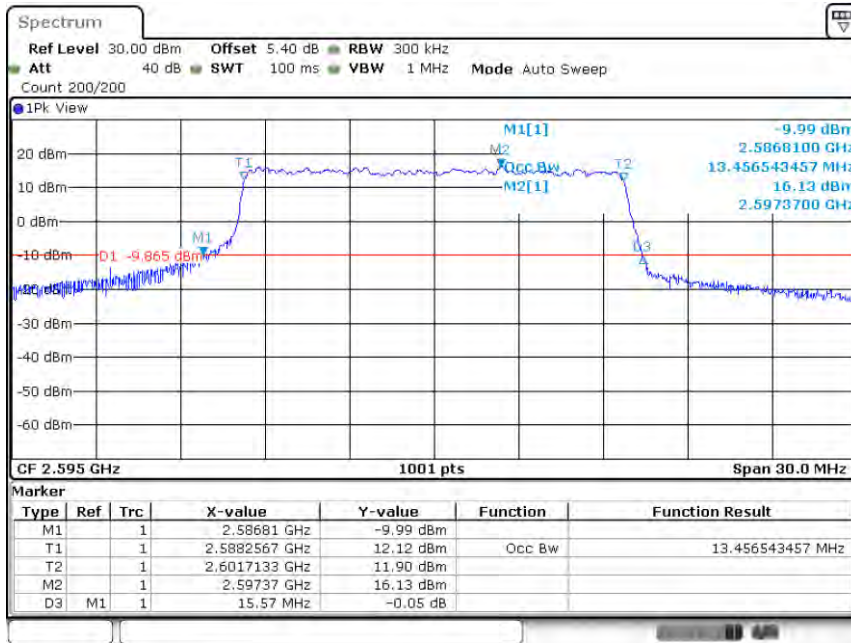


Date: 14 MAY 2021 00:09:25



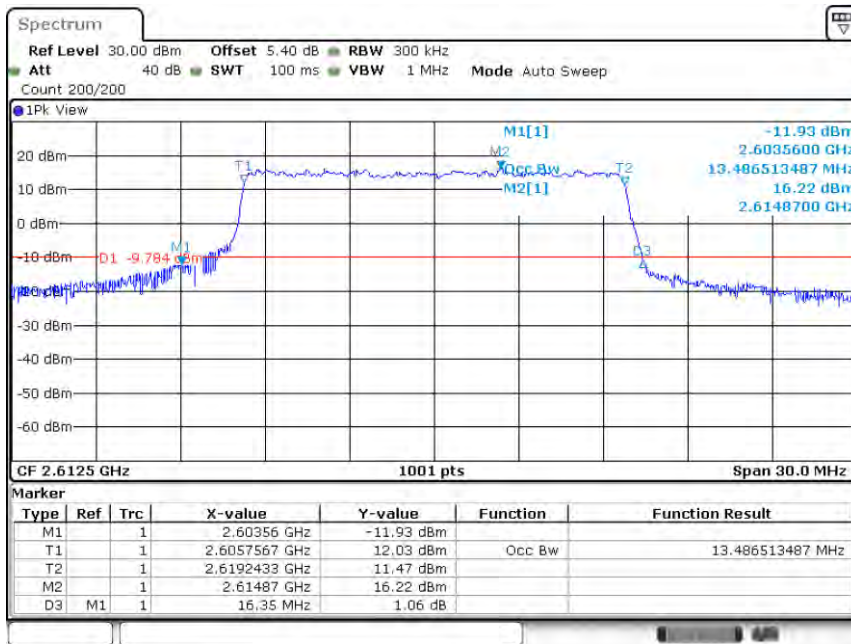
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**Band38-15MHz-16QAM-38000-75RB#0-13.457**



Date: 14 MAY 2021 00:10:30

**Band38-15MHz-16QAM-38175-75RB#0-13.487**



Date: 14 MAY 2021 00:11:36



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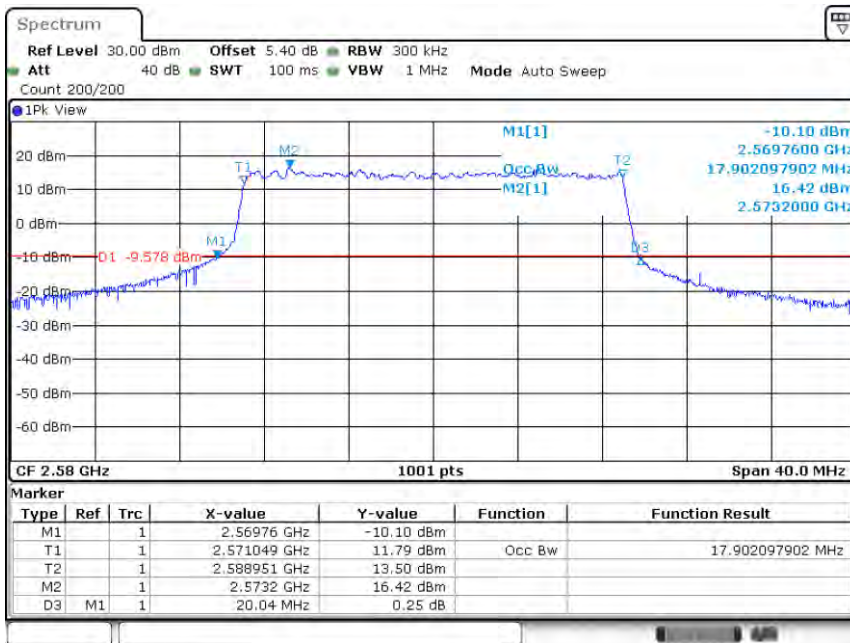
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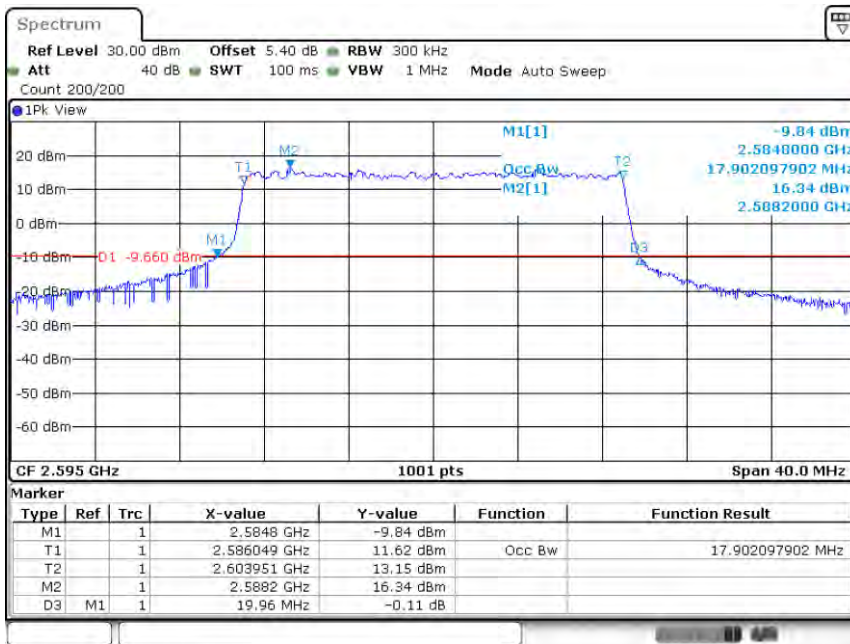


Band38-20MHz-QPSK-37850-100RB#0-17.902



Date: 14 MAY 2021 00:12:13

Band38-20MHz-QPSK-38000-100RB#0-17.902



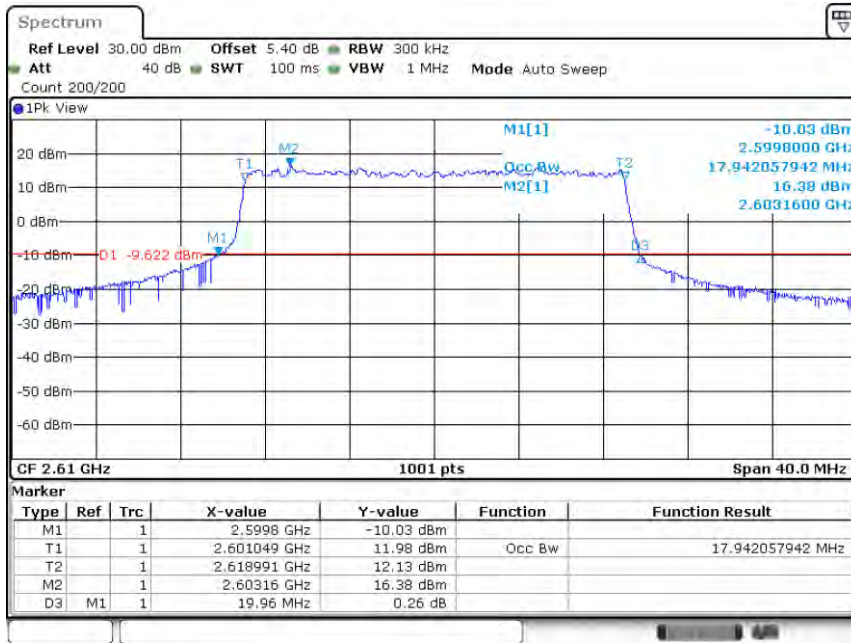
Date: 14 MAY 2021 00:13:19



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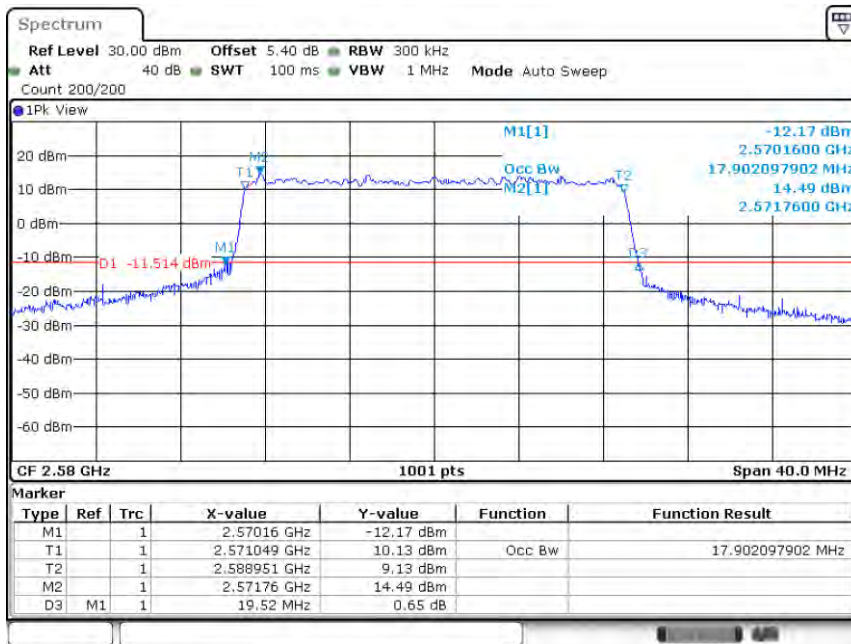


**Band38-20MHz-QPSK-38150-100RB#0-17.942**



Date: 14 MAY 2021 00:14:24

**Band38-20MHz-64QAM-37850-100RB#0-17.902**



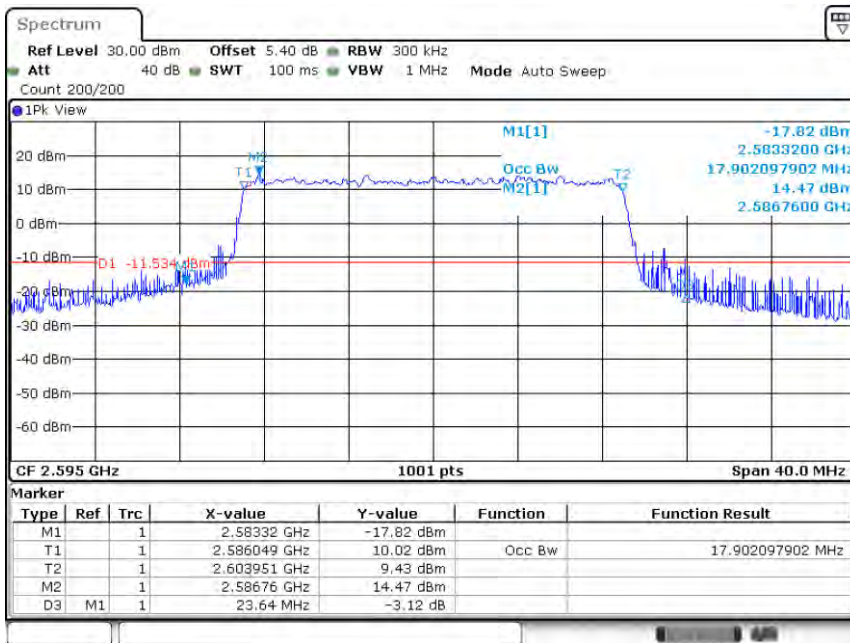
Date: 14 MAY 2021 00:43:43



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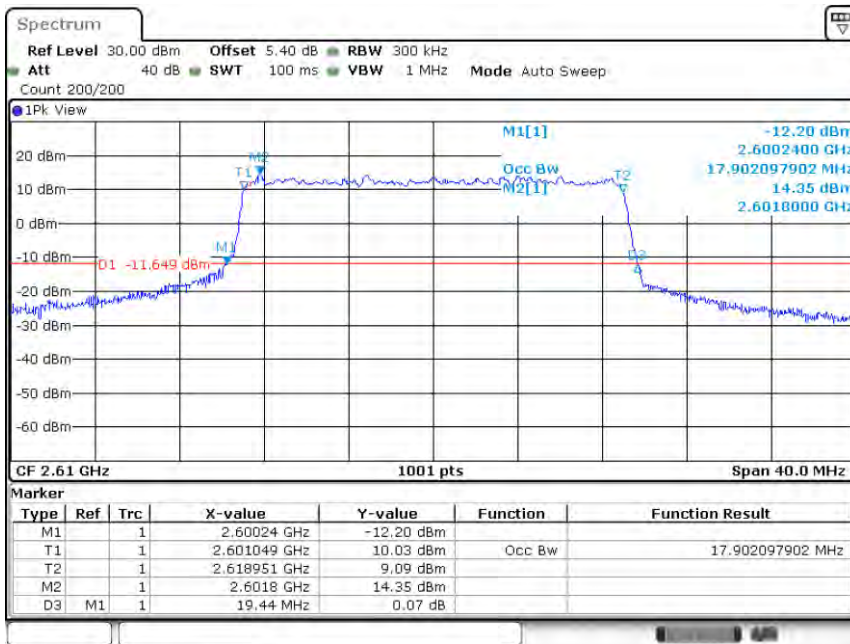


Band38-20MHz-64QAM-38000-100RB#0-17.902



Date: 14 MAY 2021 00:44:15

Band38-20MHz-64QAM-38150-100RB#0-17.902



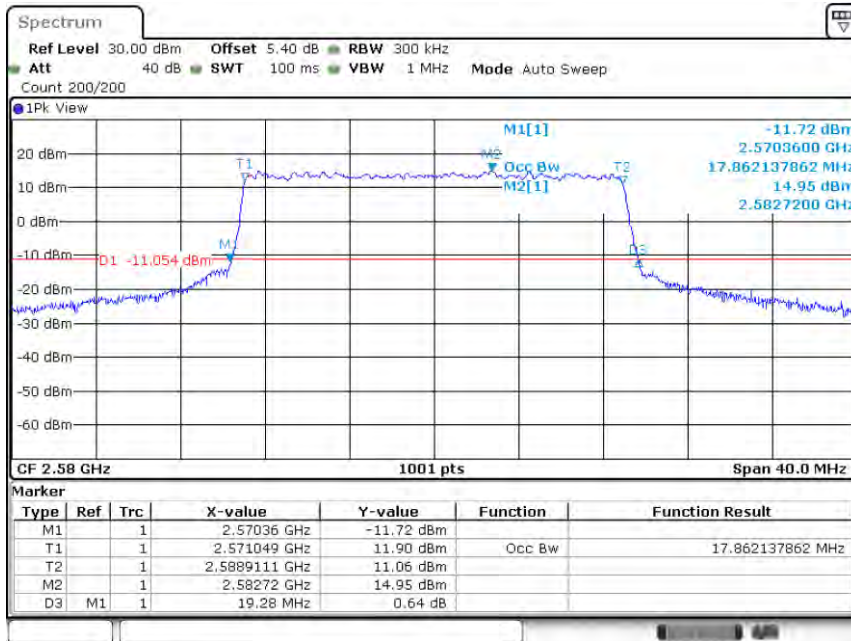
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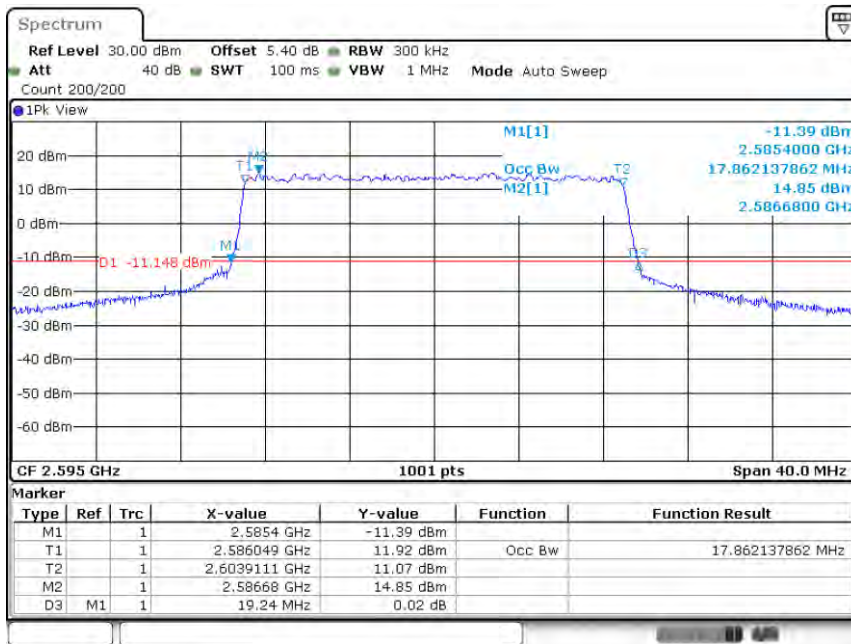


**Band38-20MHz-16QAM-37850-100RB#0-17.862**



Date: 14 MAY 2021 00:12:46

**Band38-20MHz-16QAM-38000-100RB#0-17.862**



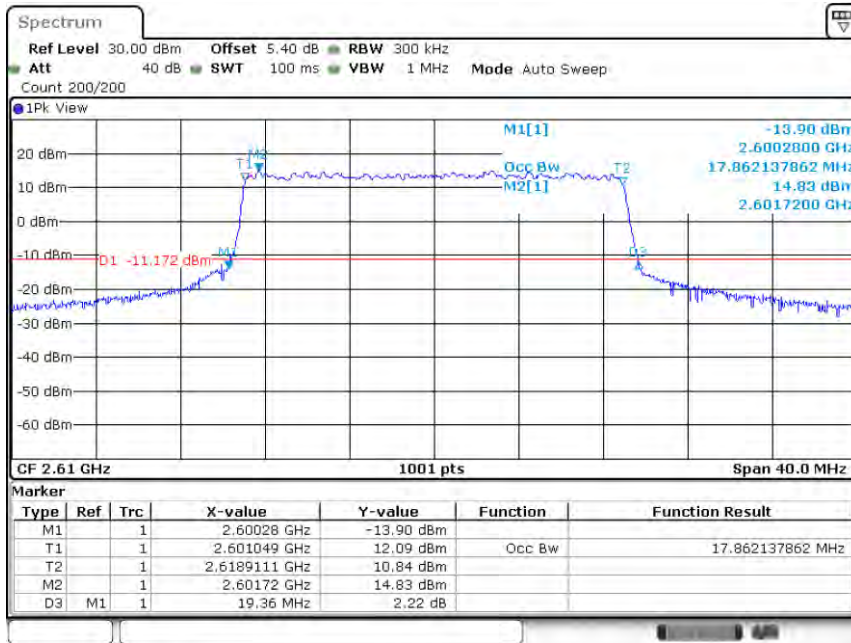
Date: 14 MAY 2021 00:13:51



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**Band38-20MHz-16QAM-38150-100RB#0-17.862**



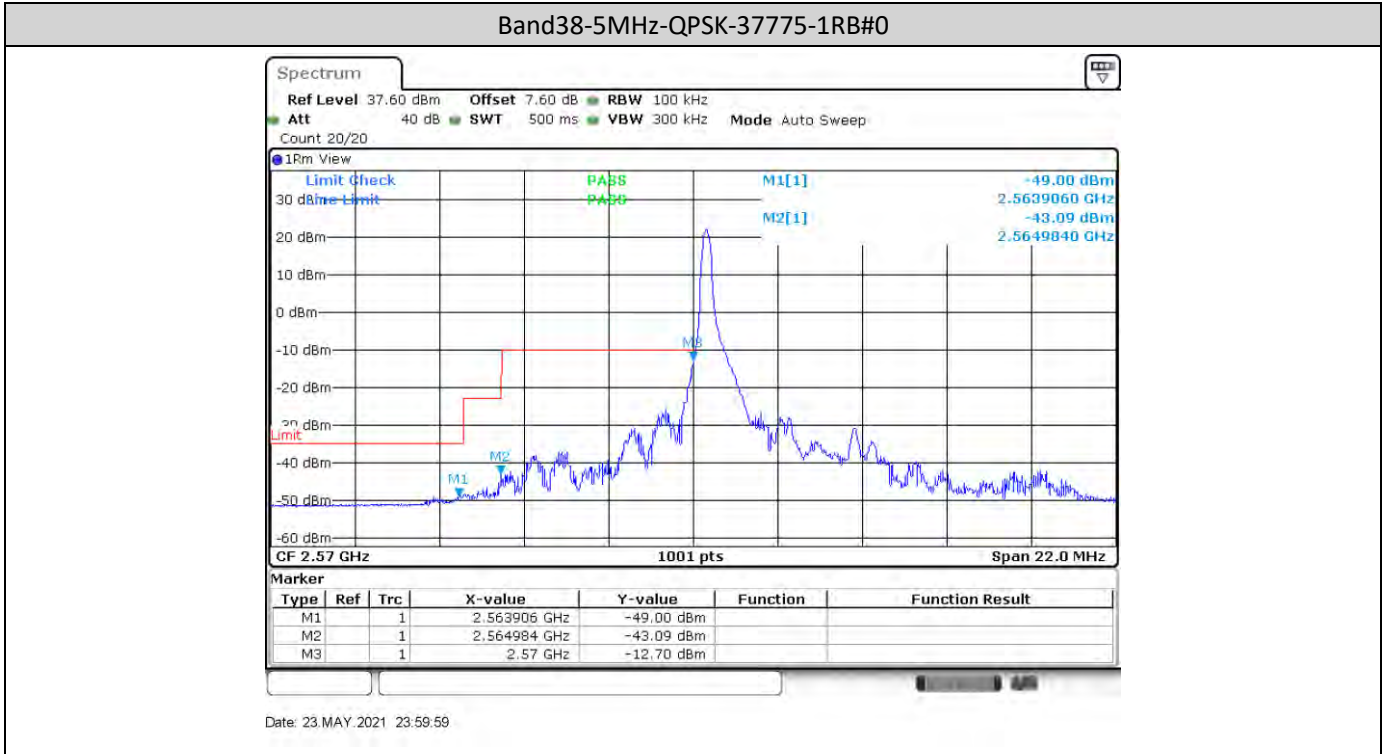
Date: 14 MAY 2021 00:14:57



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## 5. Band Edge Compliance

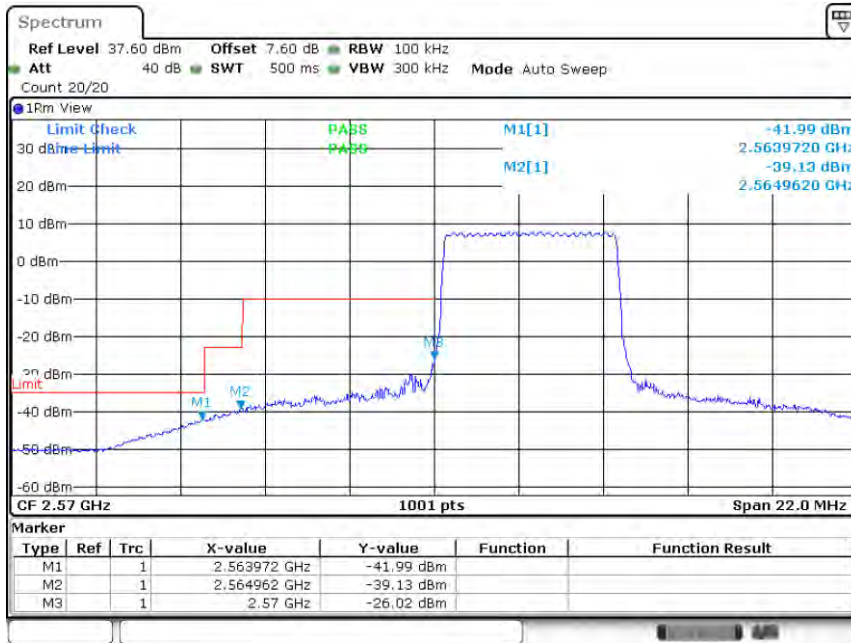
### 5.1. Test Plots



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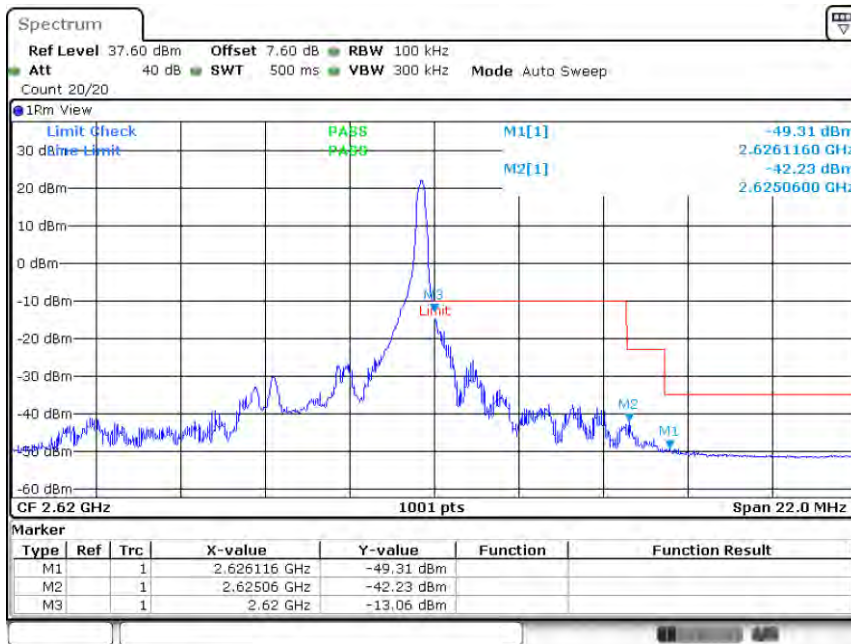
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**Band38-5MHz-QPSK-37775-25RB#0**



Date: 24 MAY 2021 00:01:47

**Band38-5MHz-QPSK-38225-1RB#24**



Date: 24 MAY 2021 00:01:00



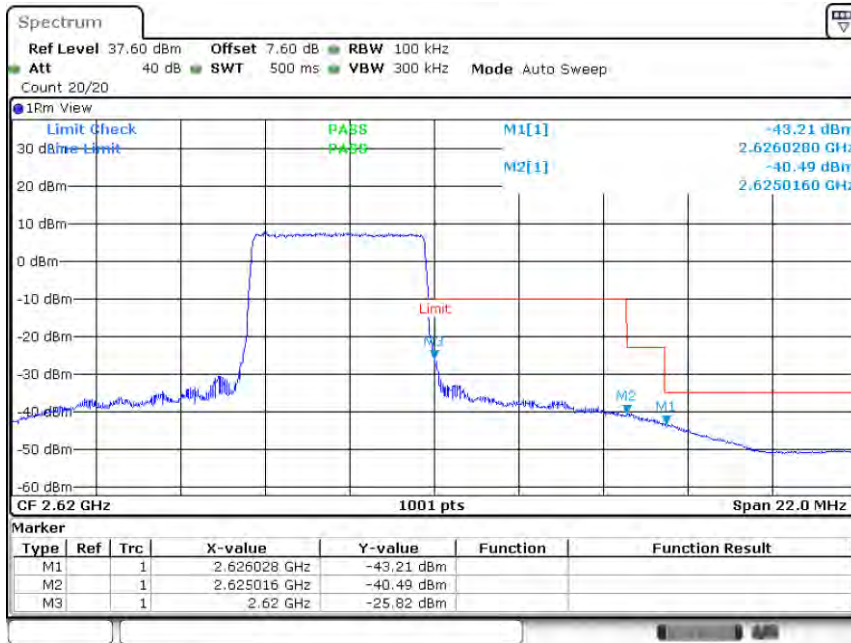
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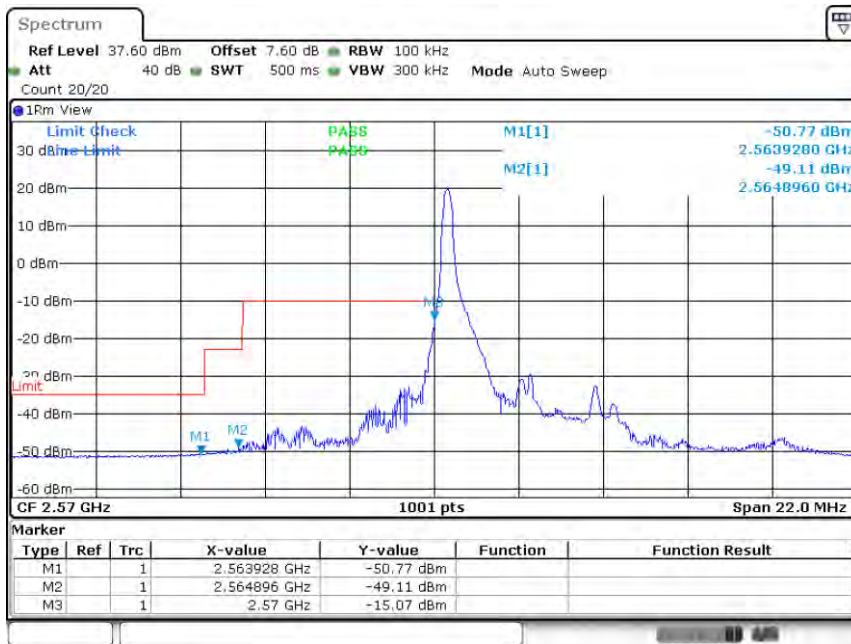


**Band38-5MHz-QPSK-38225-25RB#0**



Date: 24 MAY 2021 00:02:31

**Band38-5MHz-64QAM-37775-1RB#0**

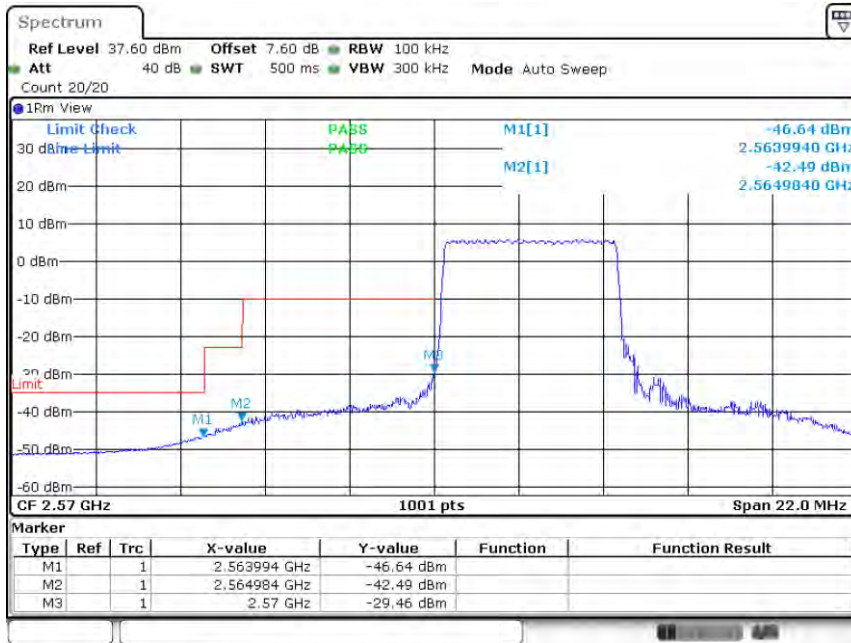


Date: 23 MAY 2021 23:42:15



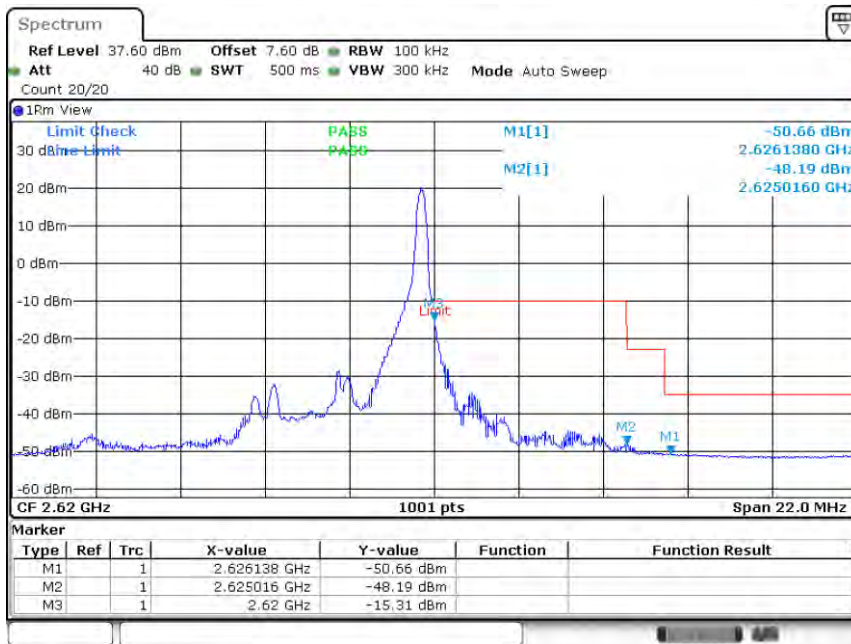
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**Band38-5MHz-64QAM-37775-25RB#0**



Date: 23 MAY 2021 23:43:09

**Band38-5MHz-64QAM-38225-1RB#24**



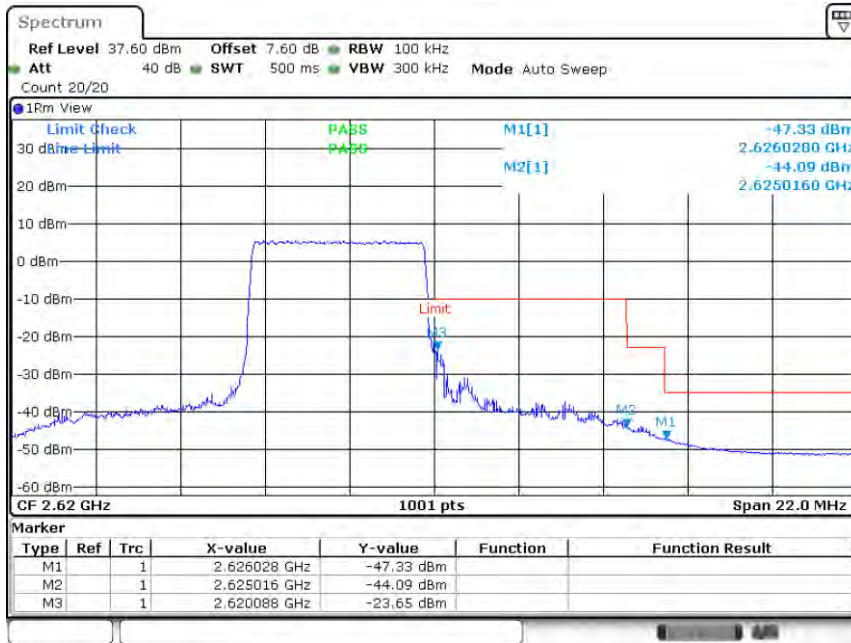
Date: 23 MAY 2021 23:42:42



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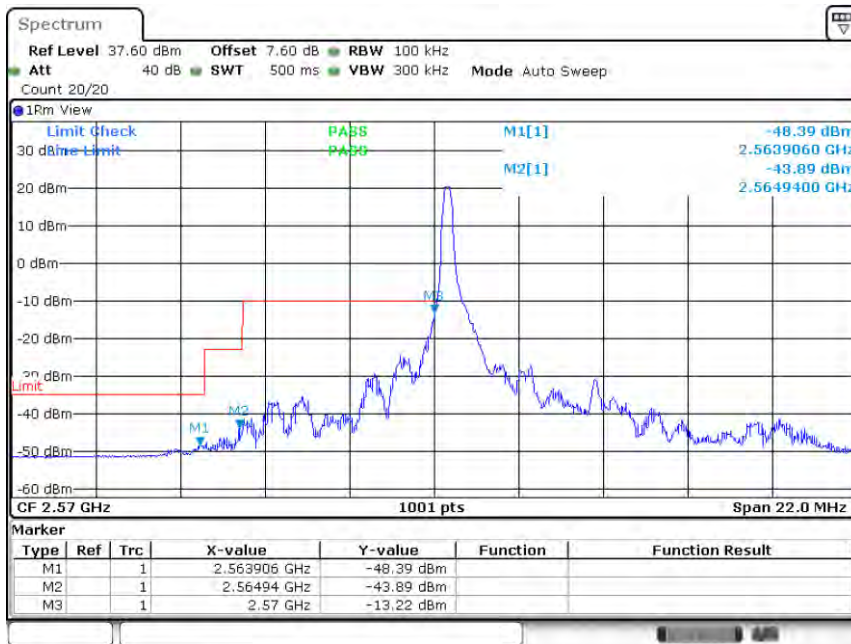


**Band38-5MHz-64QAM-38225-25RB#0**



Date: 23 MAY 2021 23:43:30

**Band38-5MHz-16QAM-37775-1RB#0**



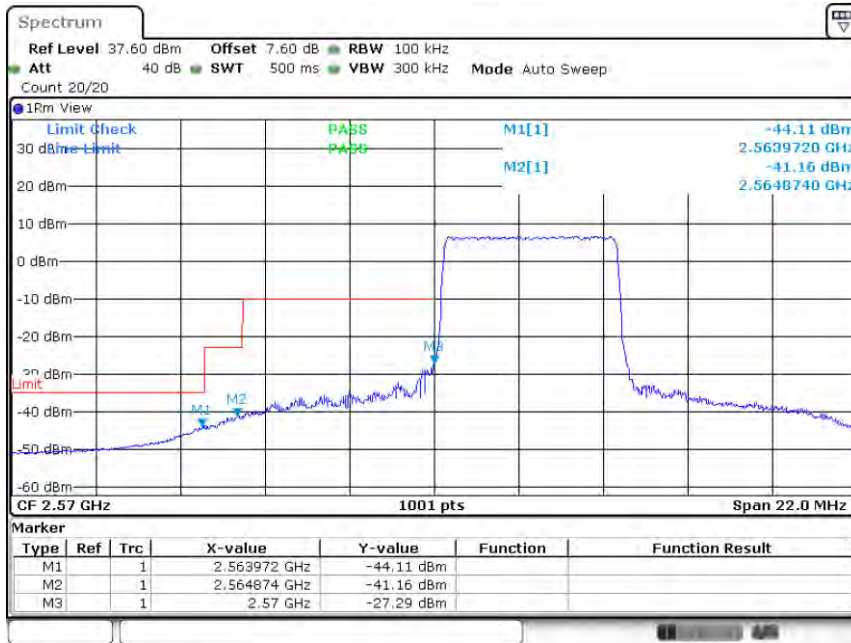
Date: 24 MAY 2021 00:00:30



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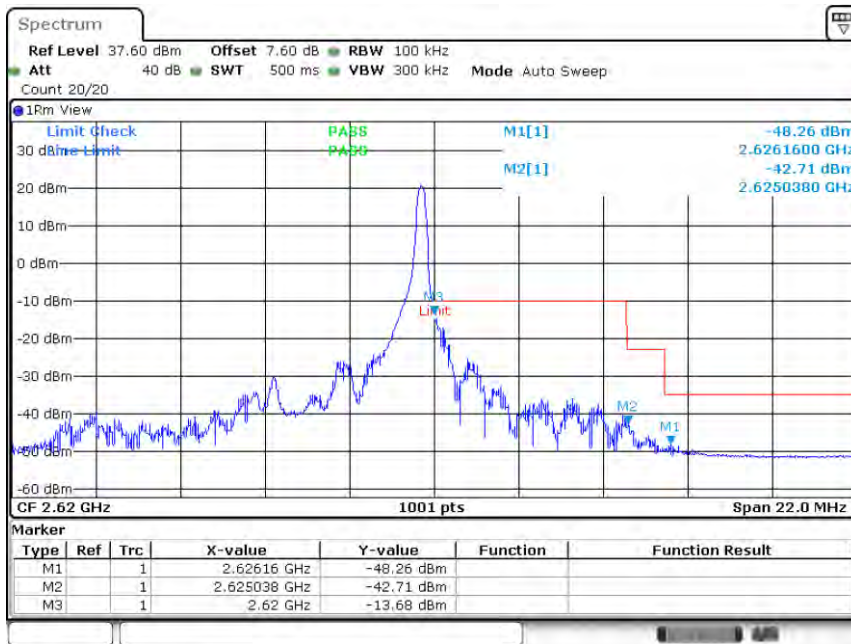


**Band38-5MHz-16QAM-37775-25RB#0**



Date: 24 MAY 2021 00:02:09

**Band38-5MHz-16QAM-38225-1RB#24**



Date: 24 MAY 2021 00:01:22

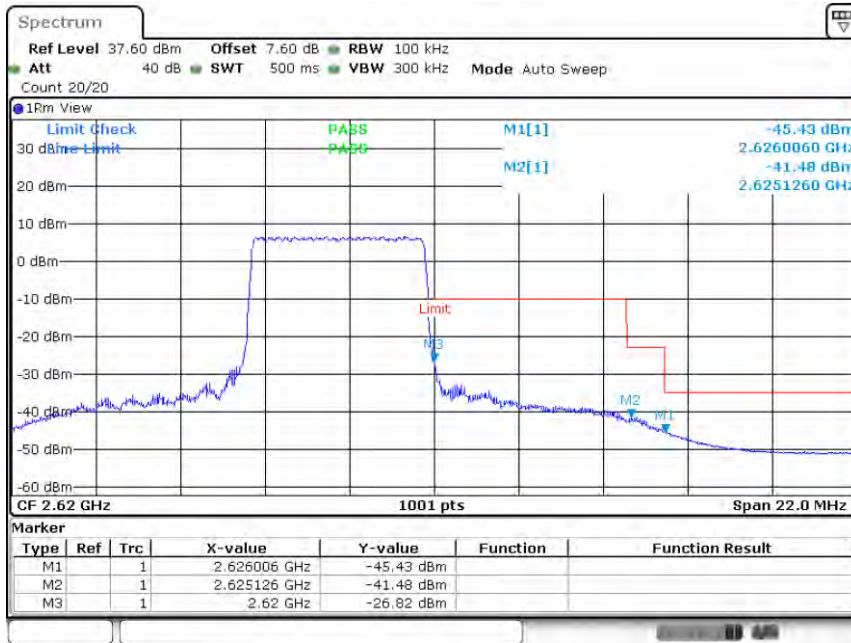


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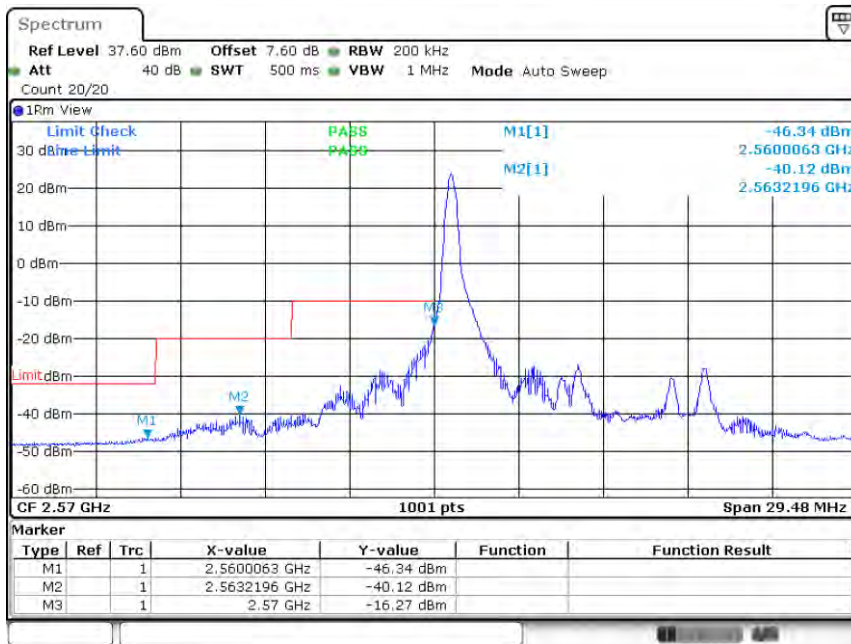
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**Band38-5MHz-16QAM-38225-25RB#0**



Date: 24 MAY 2021 00:02:52

**Band38-10MHz-QPSK-37800-1RB#0**



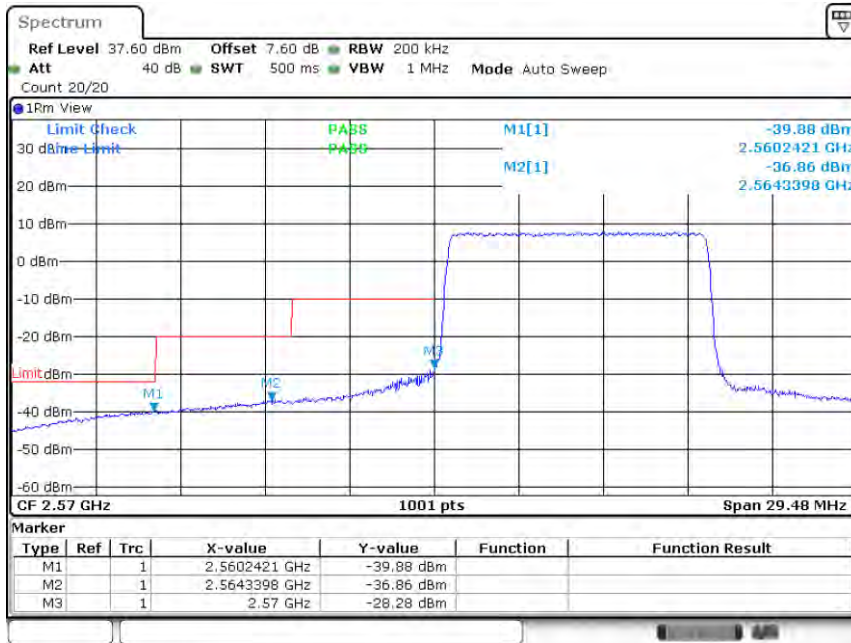
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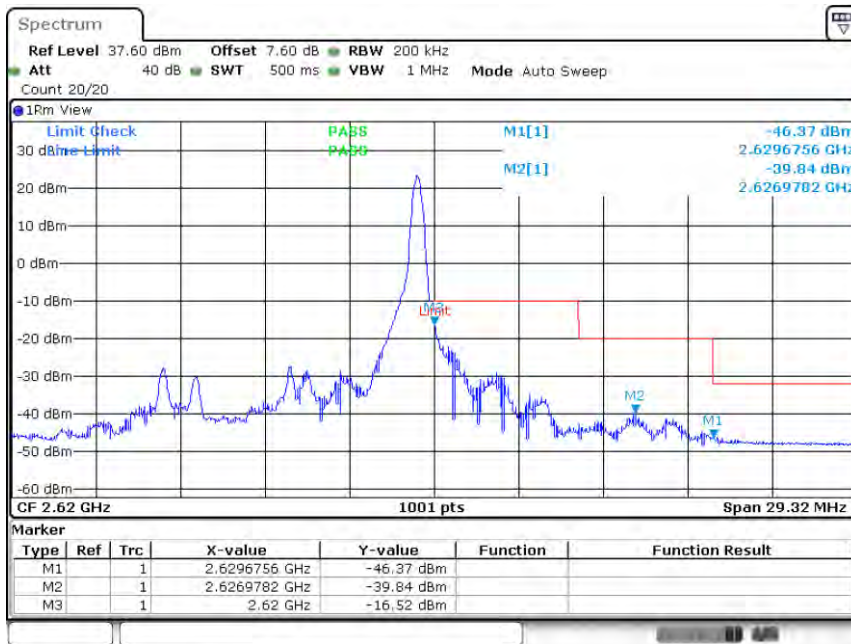


**Band38-10MHz-QPSK-37800-50RB#0**



Date: 23 MAY 2021 23:14:47

**Band38-10MHz-QPSK-38200-1RB#49**



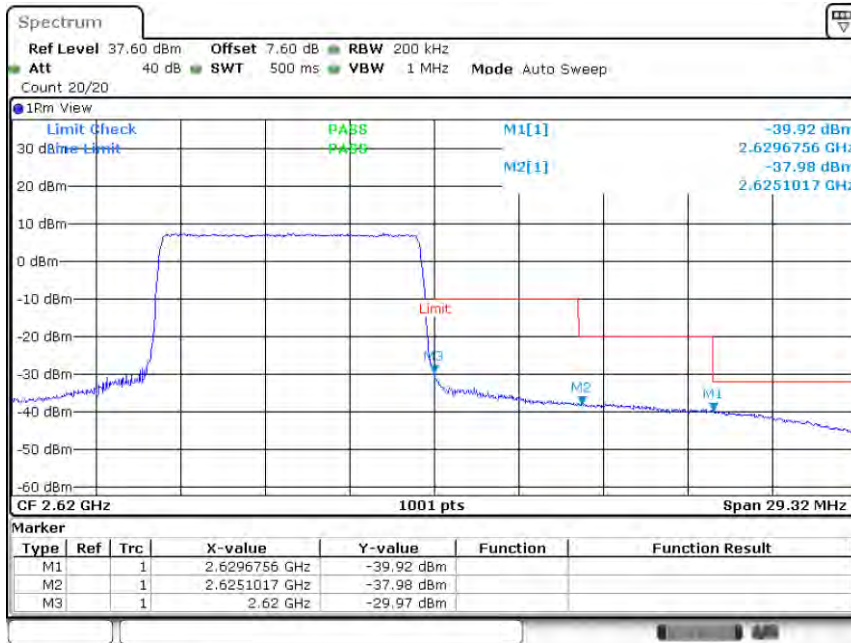
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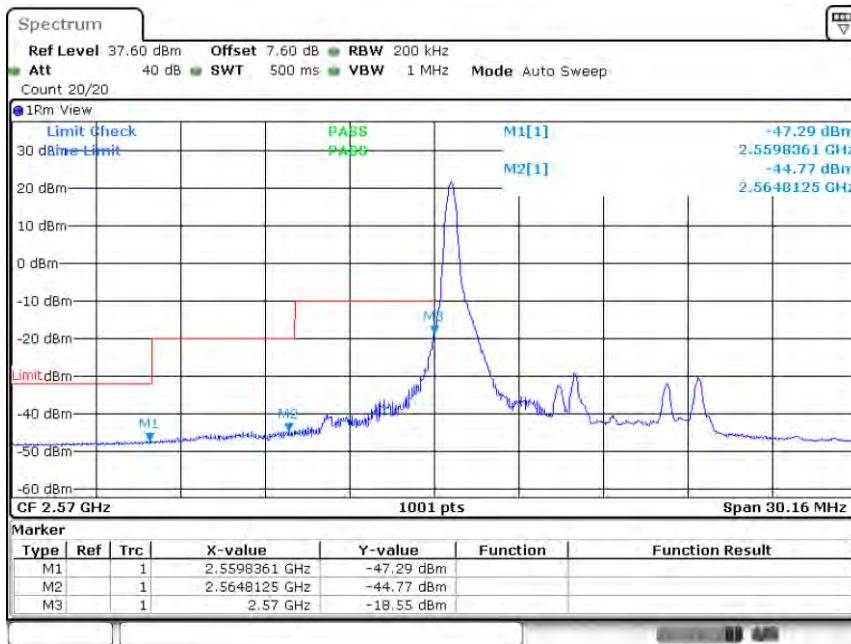


**Band38-10MHz-QPSK-38200-50RB#0**



Date: 23 MAY 2021 23:15:30

**Band38-10MHz-64QAM-37800-1RB#0**

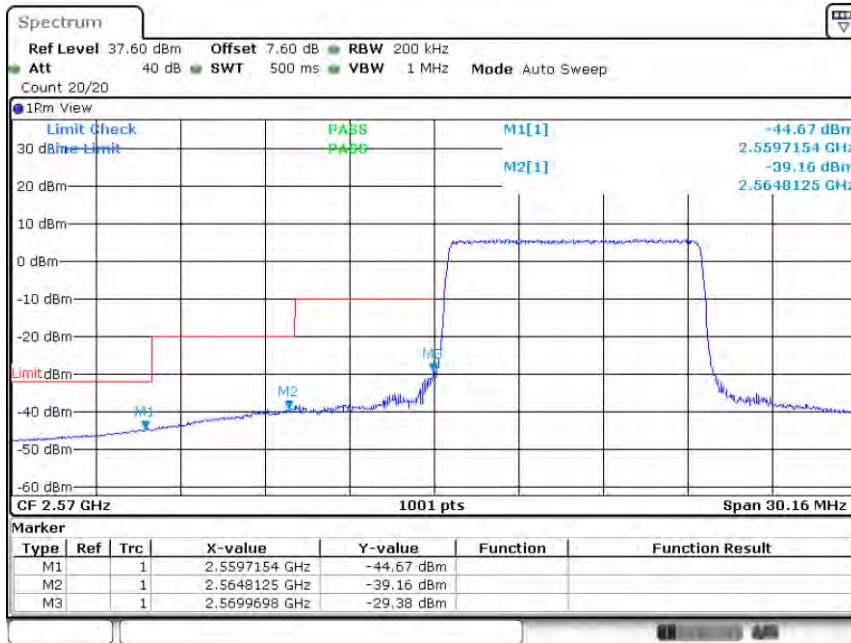


Date: 23 MAY 2021 23:43:59



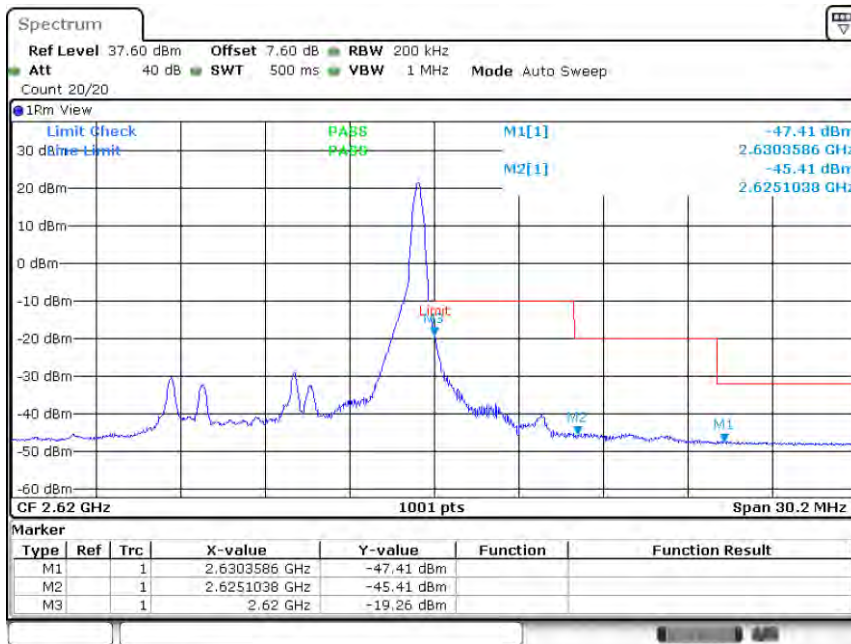
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**Band38-10MHz-64QAM-37800-50RB#0**



Date: 23 MAY 2021 23:44:52

**Band38-10MHz-64QAM-38200-1RB#49**



Date: 23 MAY 2021 23:44:26



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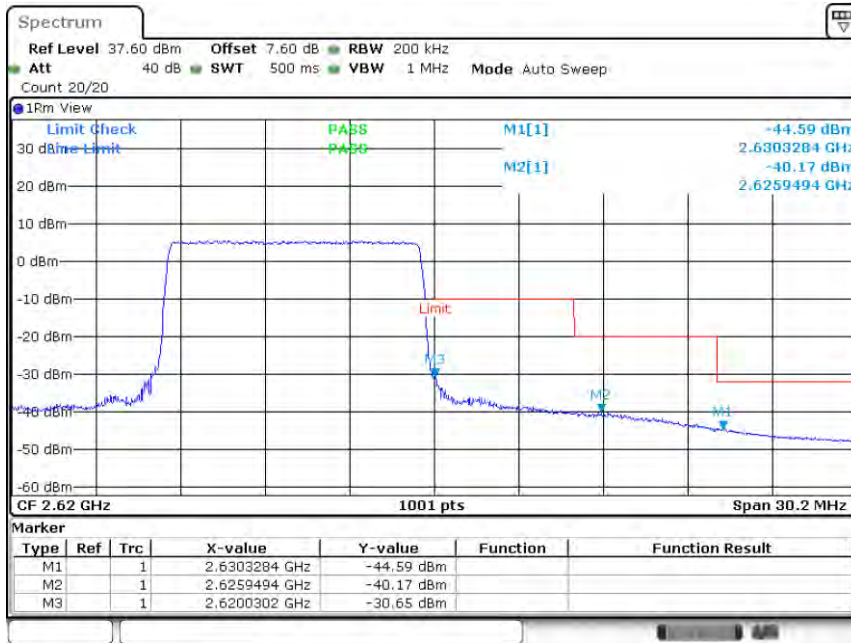
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Band38-10MHz-64QAM-38200-50RB#0



Date: 23 MAY 2021 23:45:14

Band38-10MHz-16QAM-37800-1RB#0

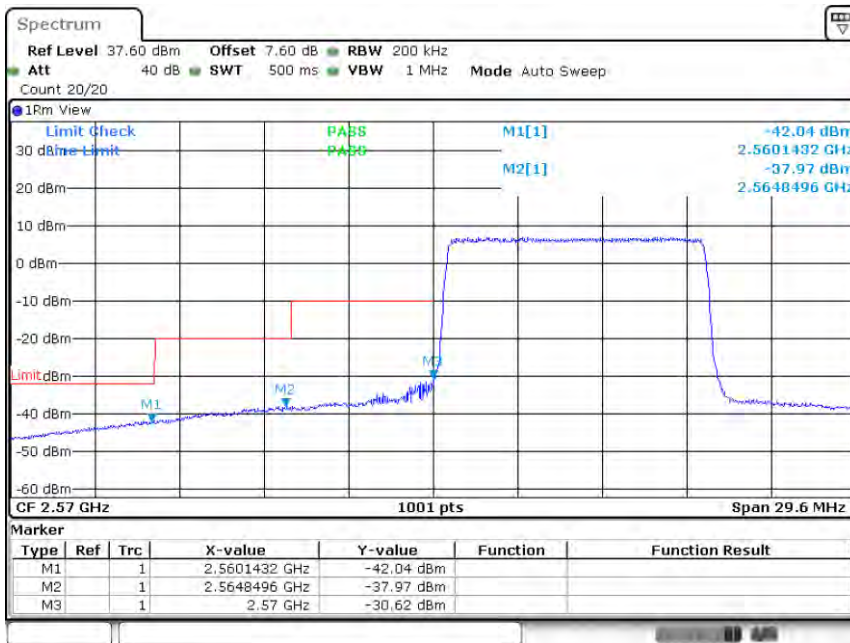


Date: 23 MAY 2021 23:13:33



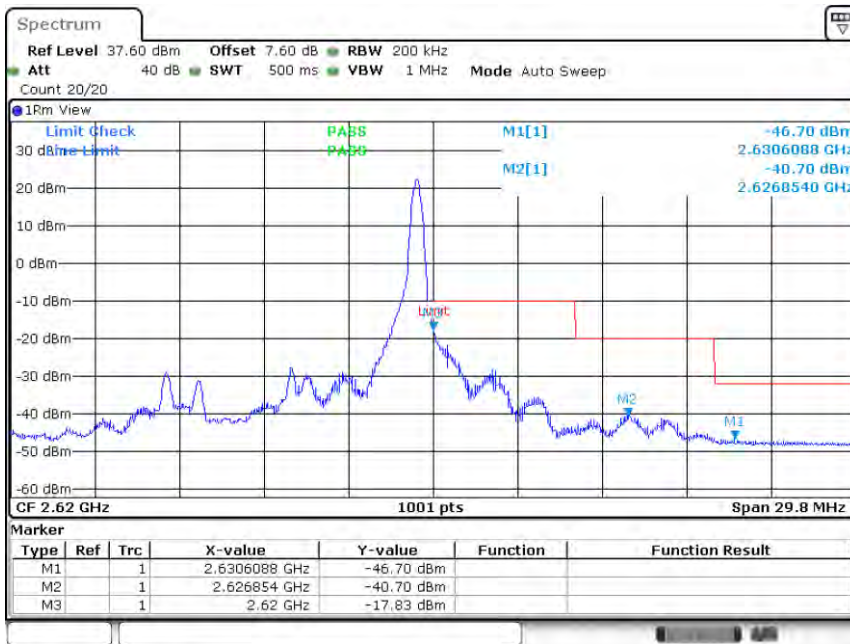
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**Band38-10MHz-16QAM-37800-50RB#0**



Date: 23 MAY 2021 23:15:08

**Band38-10MHz-16QAM-38200-1RB#49**



Date: 23 MAY 2021 23:14:21

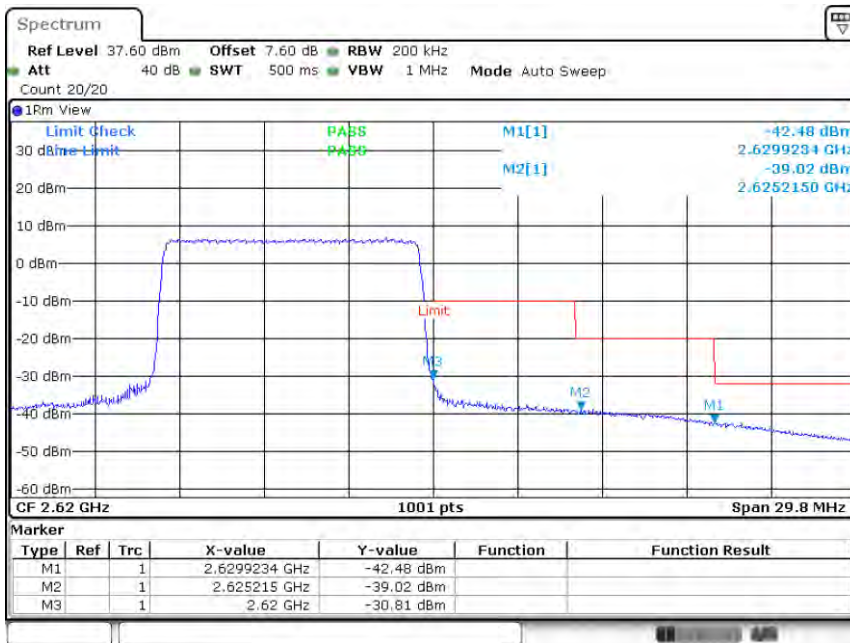


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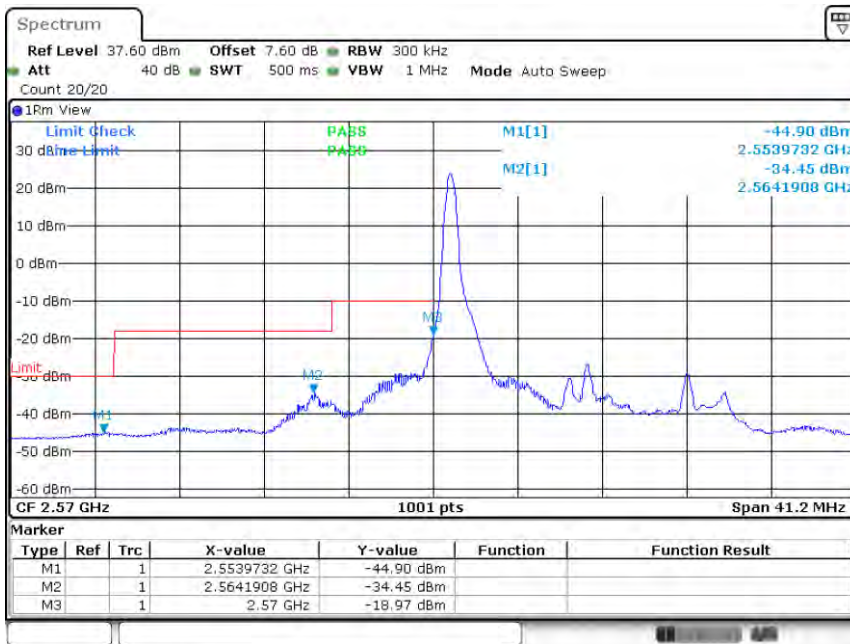


Band38-10MHz-16QAM-38200-50RB#0



Date: 23 MAY 2021 23:15:52

Band38-15MHz-QPSK-37825-1RB#0



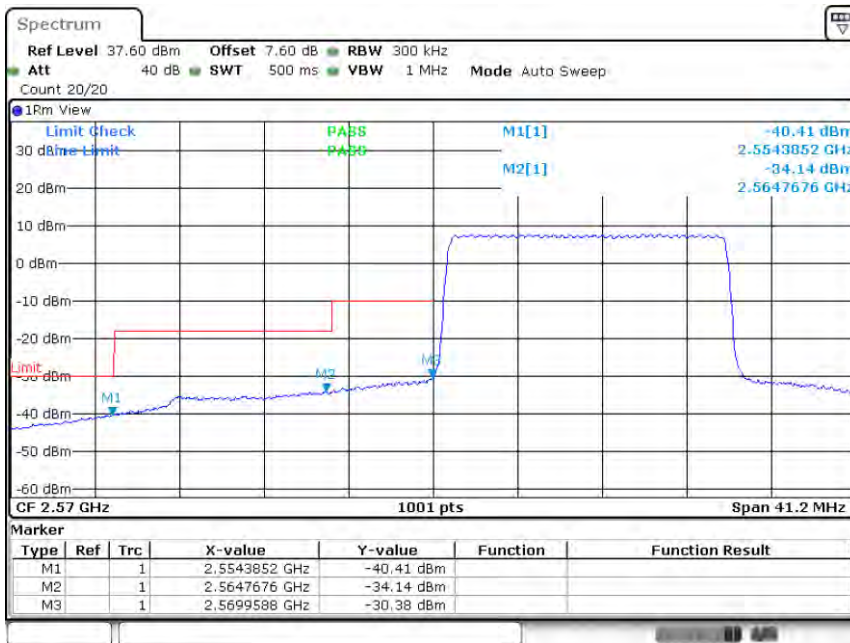
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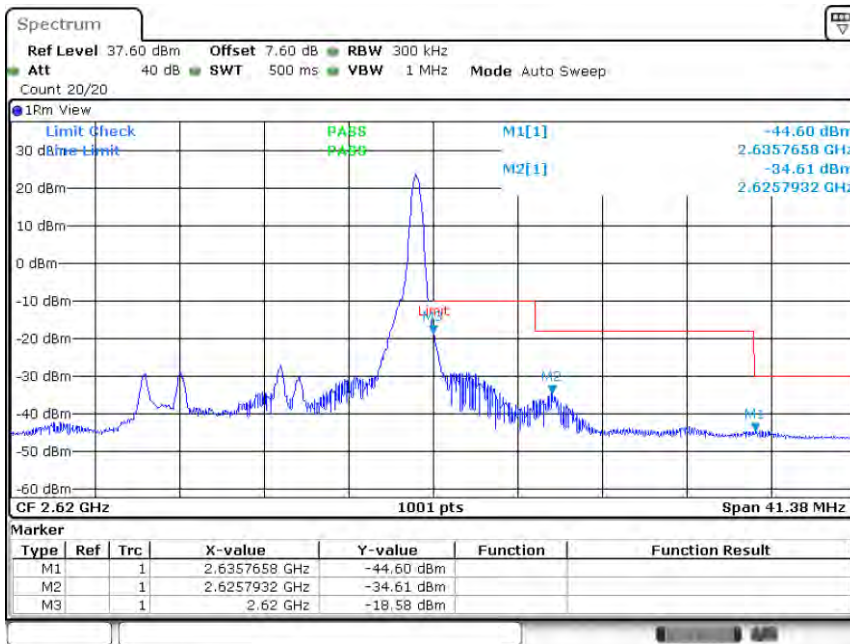


Band38-15MHz-QPSK-37825-75RB#0



Date: 23 MAY 2021 23:17:54

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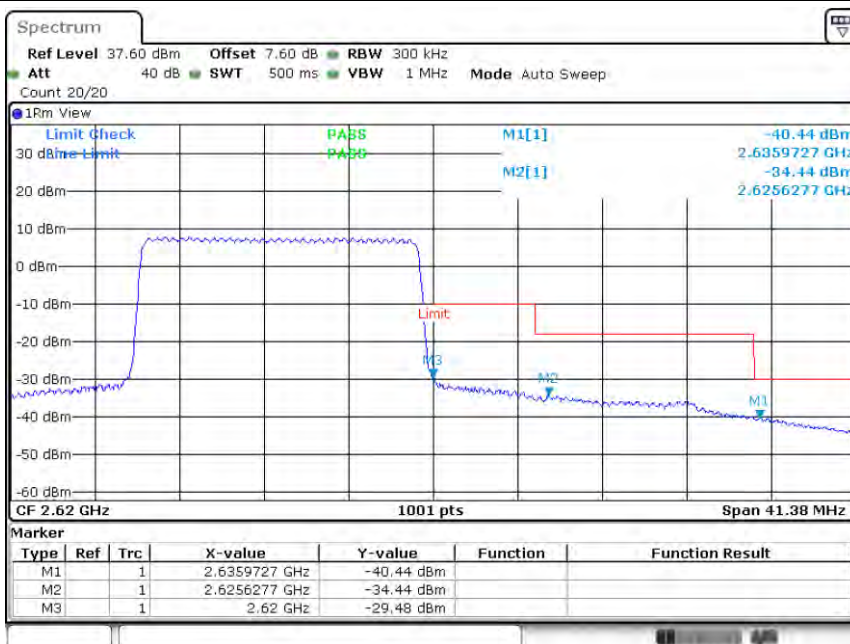
Date: 23 MAY 2021 23:17:06



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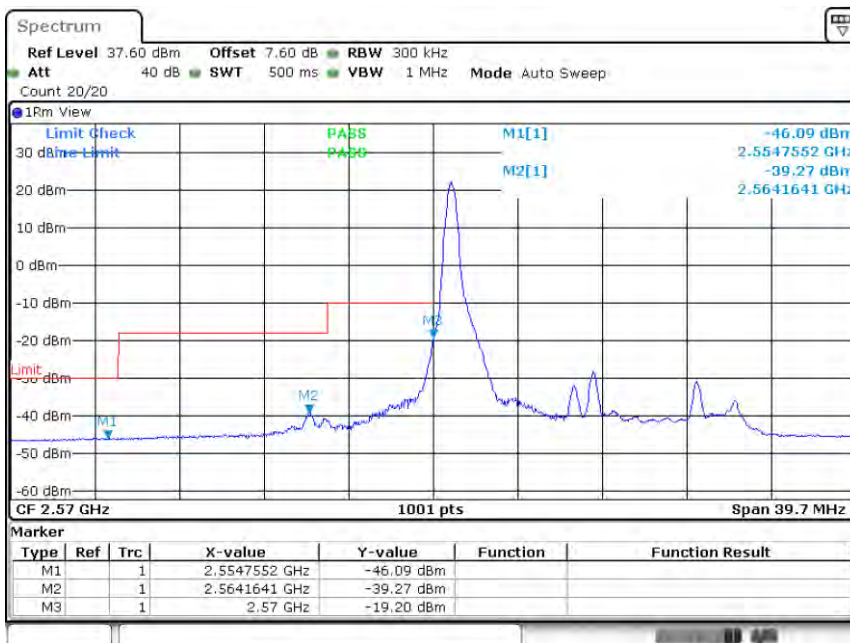


**Band38-15MHz-QPSK-38175-75RB#0**



Date: 23 MAY 2021 23:18:37

**Band38-15MHz-64QAM-37825-1RB#0**

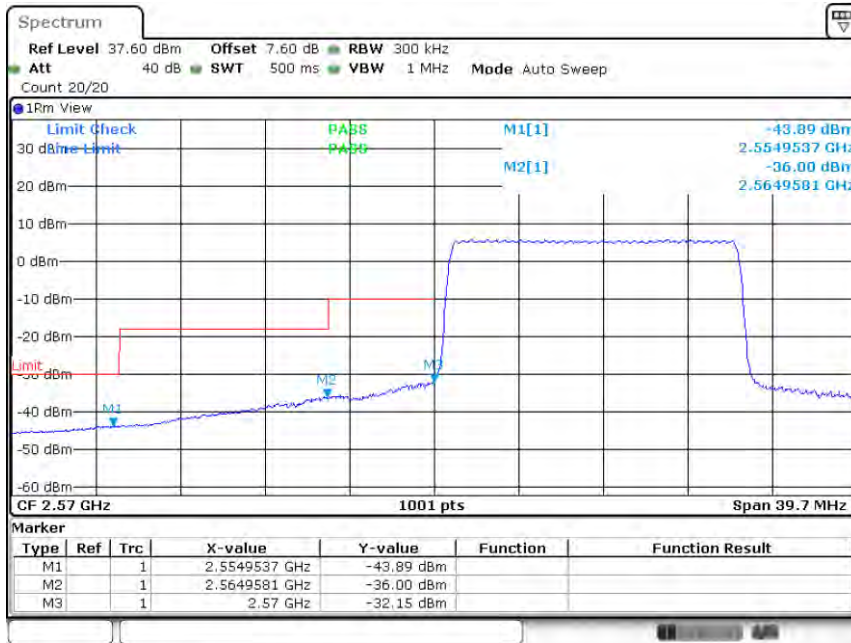


Date: 23 MAY 2021 23:45:42



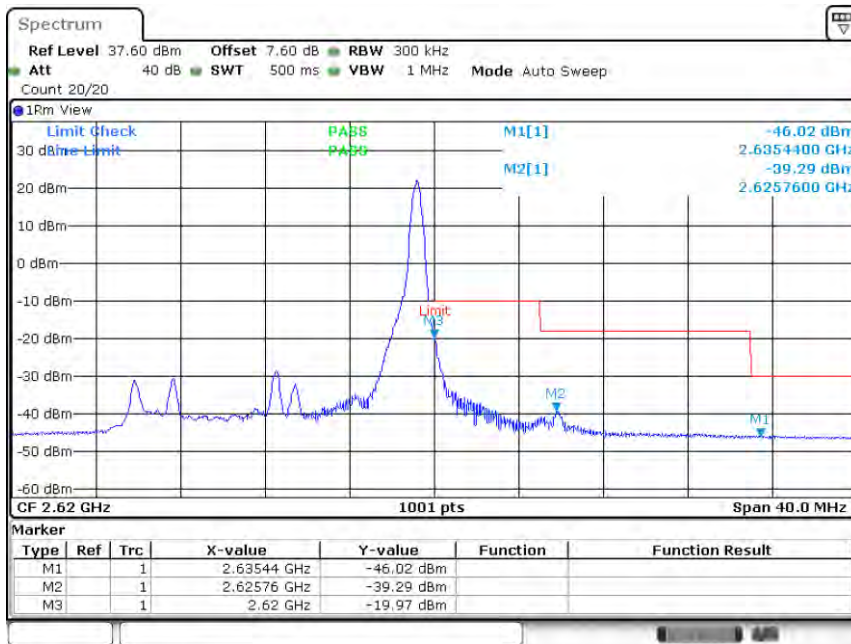
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**Band38-15MHz-64QAM-37825-75RB#0**



Date: 23 MAY 2021 23:46:36

**Band38-15MHz-64QAM-38175-1RB#74**



Date: 23 MAY 2021 23:46:09



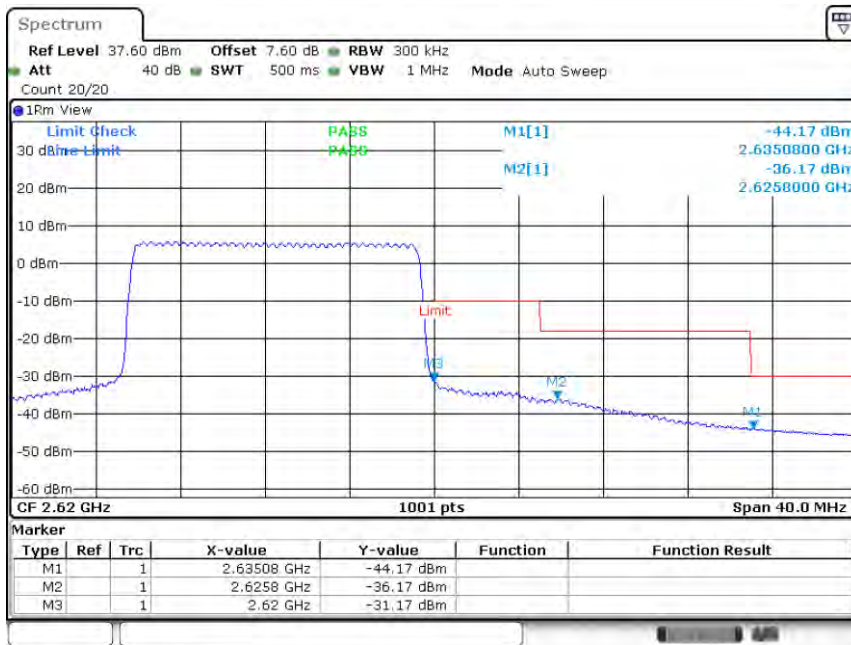
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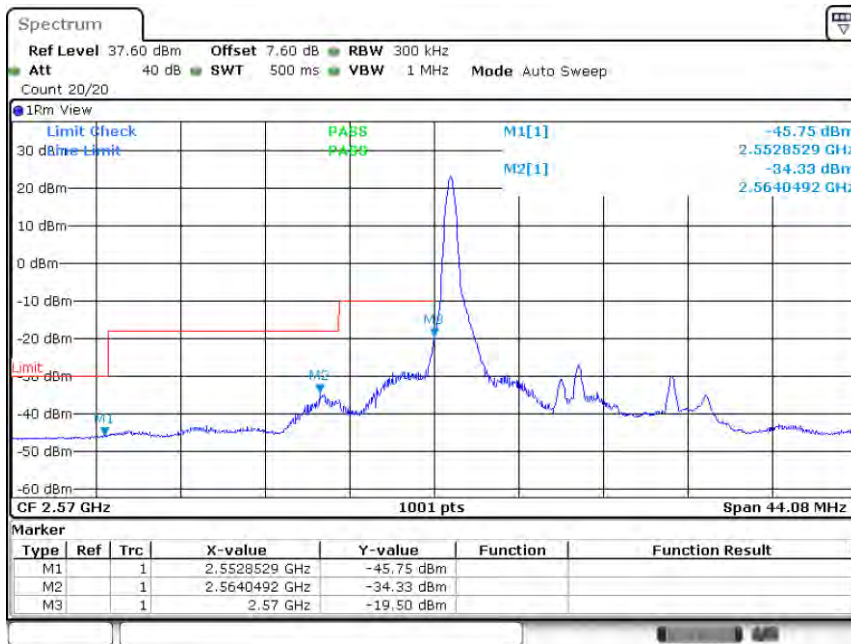


**Band38-15MHz-64QAM-38175-75RB#0**



Date: 23 MAY 2021 23:46:58

**Band38-15MHz-16QAM-37825-1RB#0**



Date: 23 MAY 2021 23:16:41

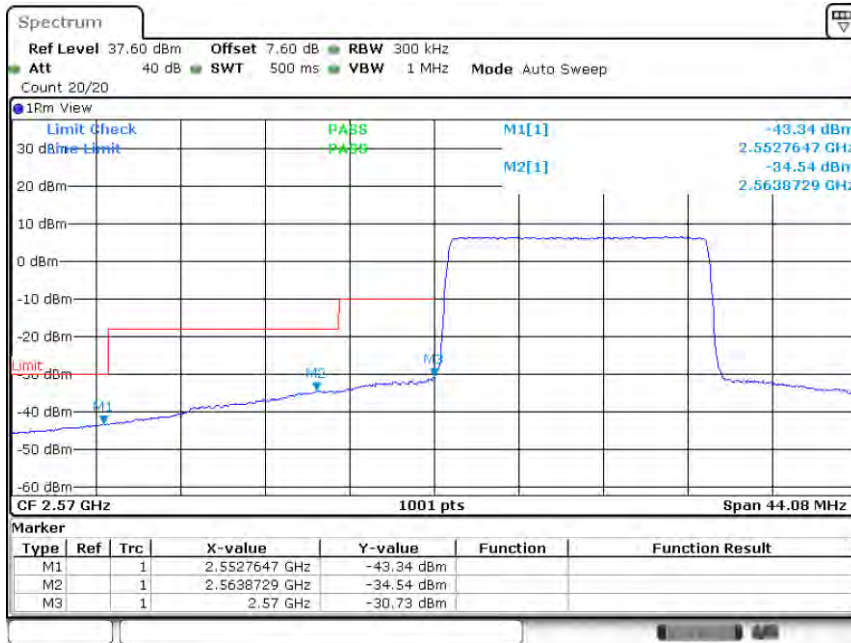


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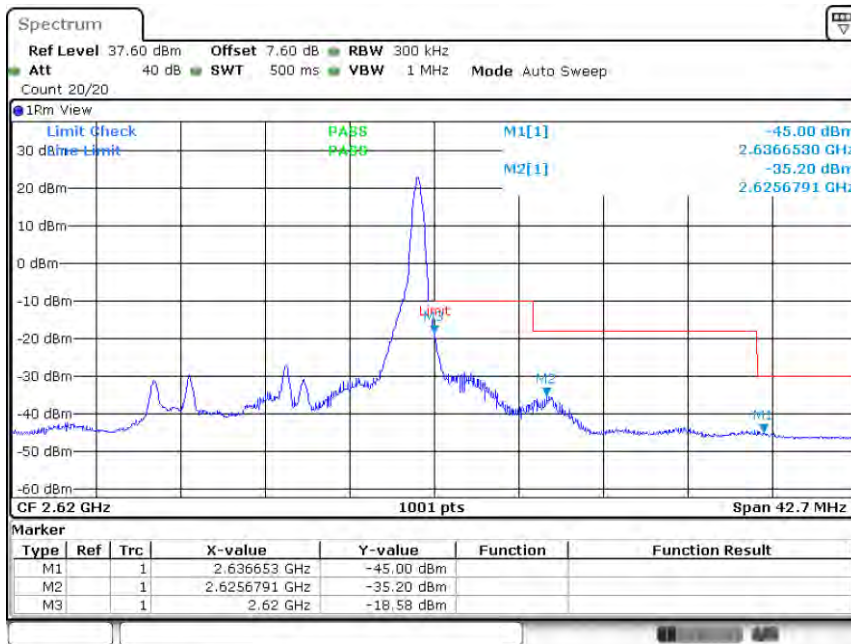


Band38-15MHz-16QAM-37825-75RB#0



Date: 23 MAY 2021 23:18:15

Band38-15MHz-16QAM-38175-1RB#74



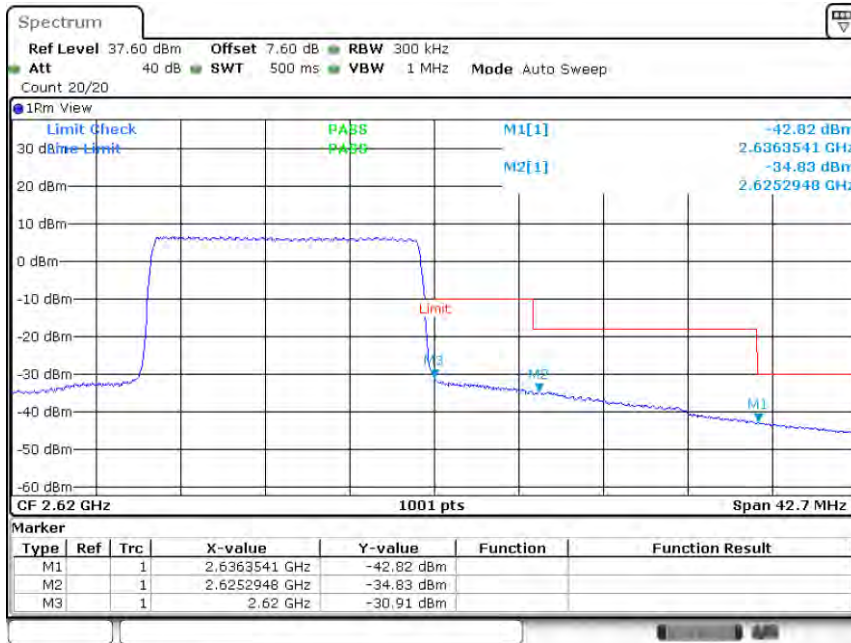
Date: 23 MAY 2021 23:17:28



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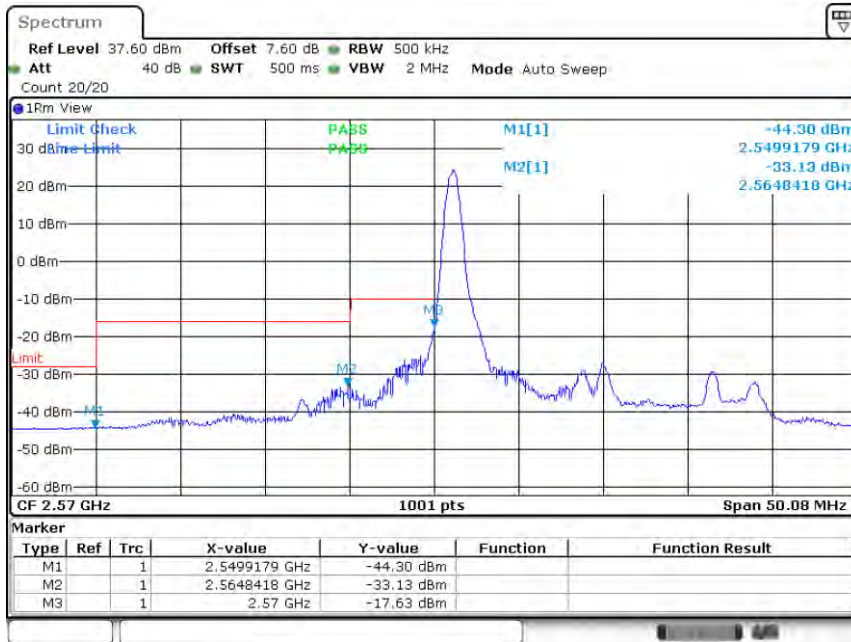


**Band38-15MHz-16QAM-38175-75RB#0**



Date: 23 MAY 2021 23:18:59

**Band38-20MHz-QPSK-37850-1RB#0**

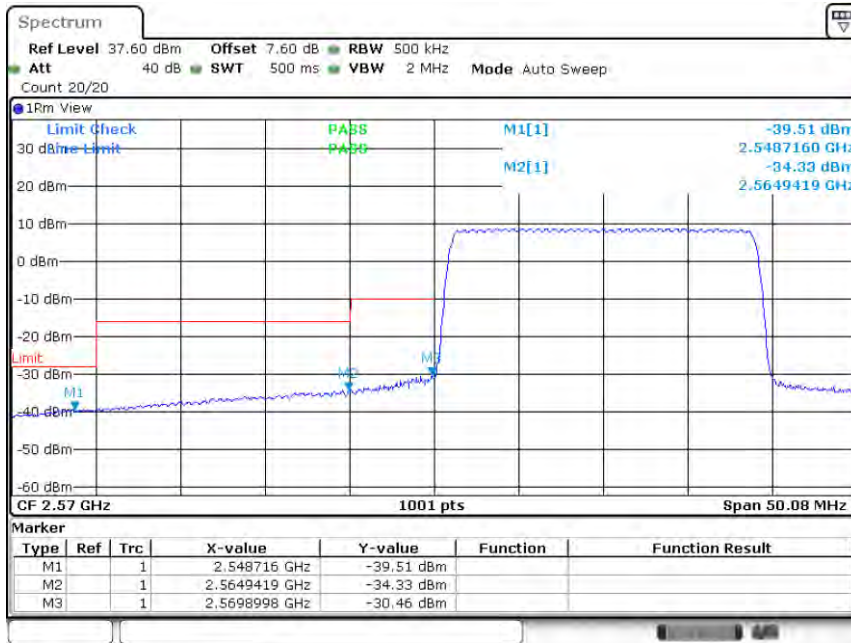


Date: 23 MAY 2021 23:19:26



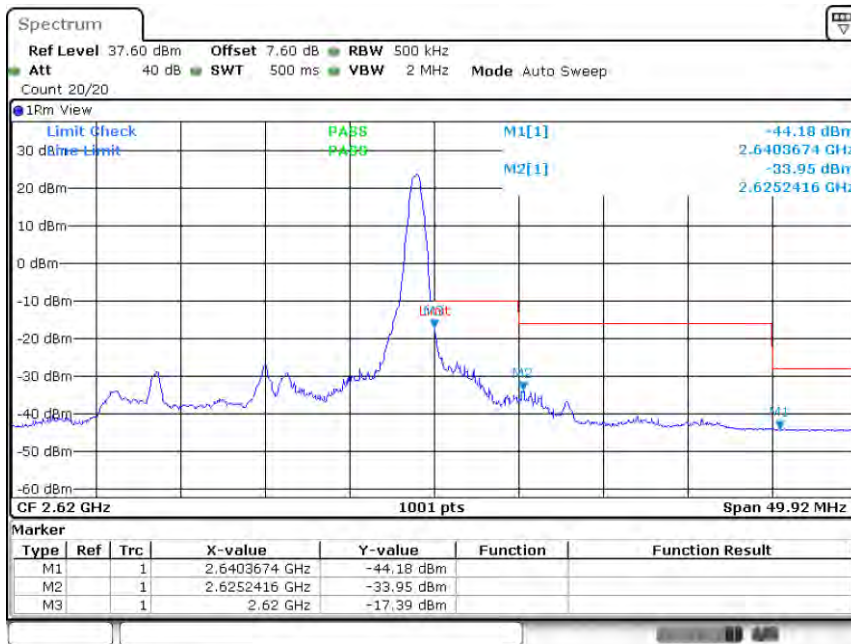
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**Band38-20MHz-QPSK-37850-100RB#0**



Date: 23 MAY 2021 23:21:02

**Band38-20MHz-QPSK-38150-1RB#99**



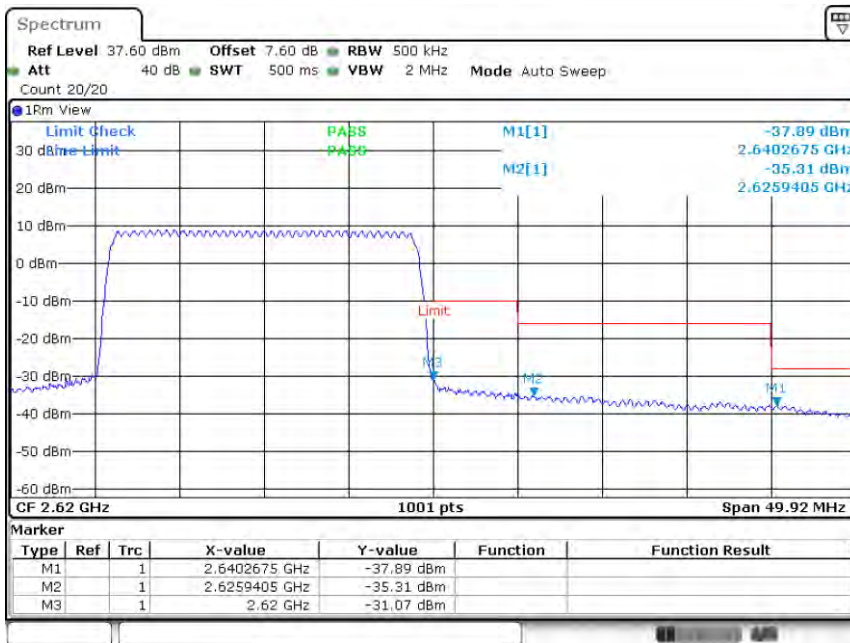
Date: 23 MAY 2021 23:20:14



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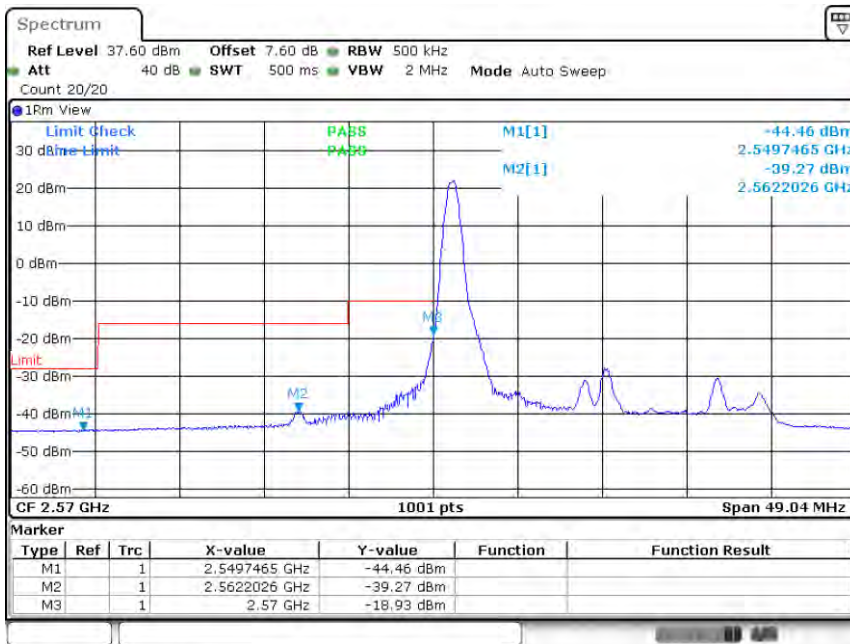


**Band38-20MHz-QPSK-38150-100RB#0**



Date: 23 MAY 2021 23:21:46

**Band38-20MHz-64QAM-37850-1RB#0**



Date: 23 MAY 2021 23:47:26

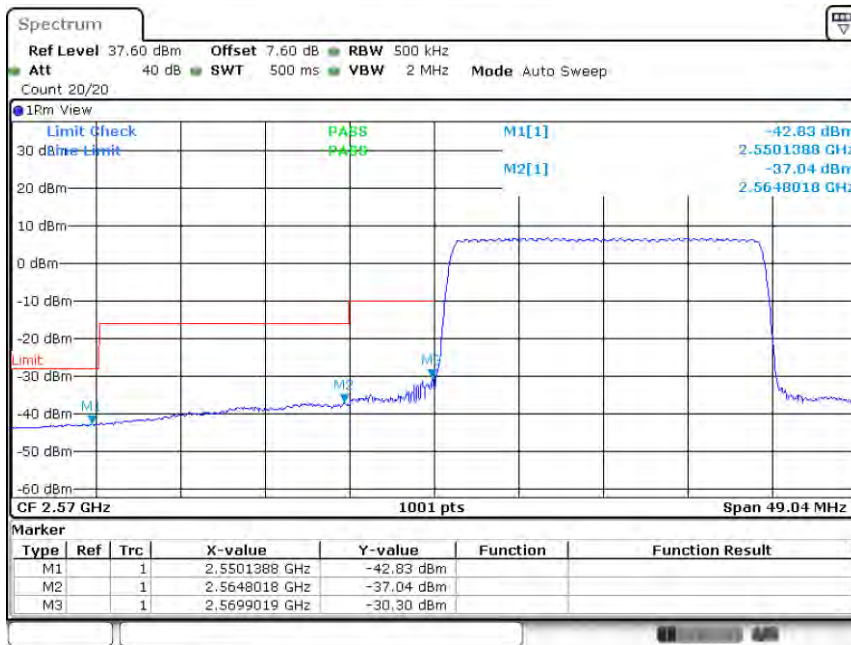


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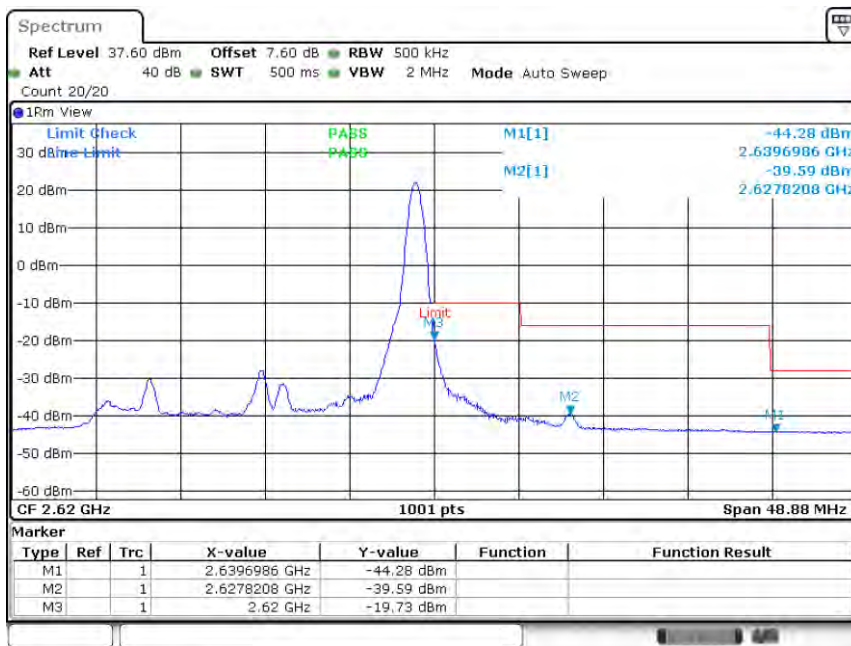
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**Band38-20MHz-64QAM-37850-100RB#0**



Date: 23 MAY 2021 23:48:20

**Band38-20MHz-64QAM-38150-1RB#99**



Date: 23 MAY 2021 23:47:53



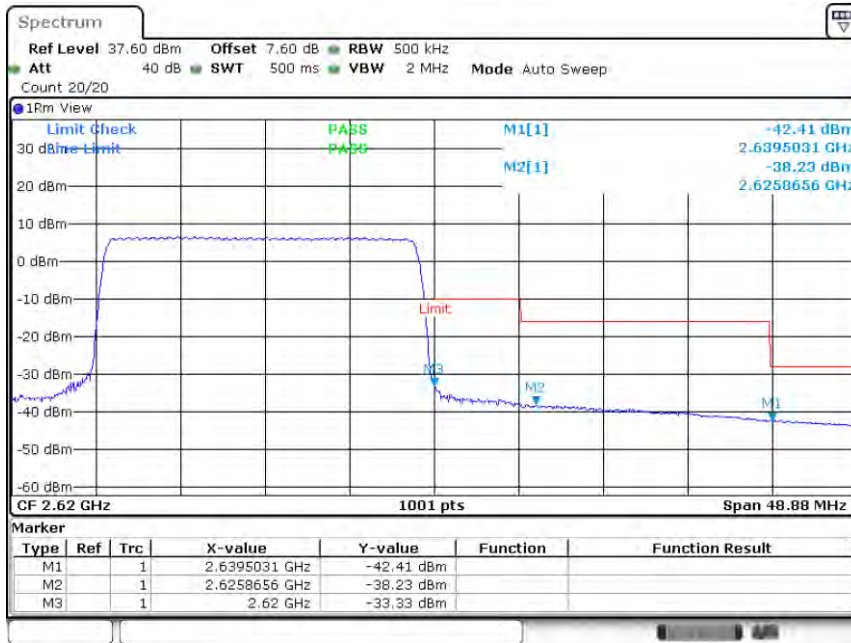
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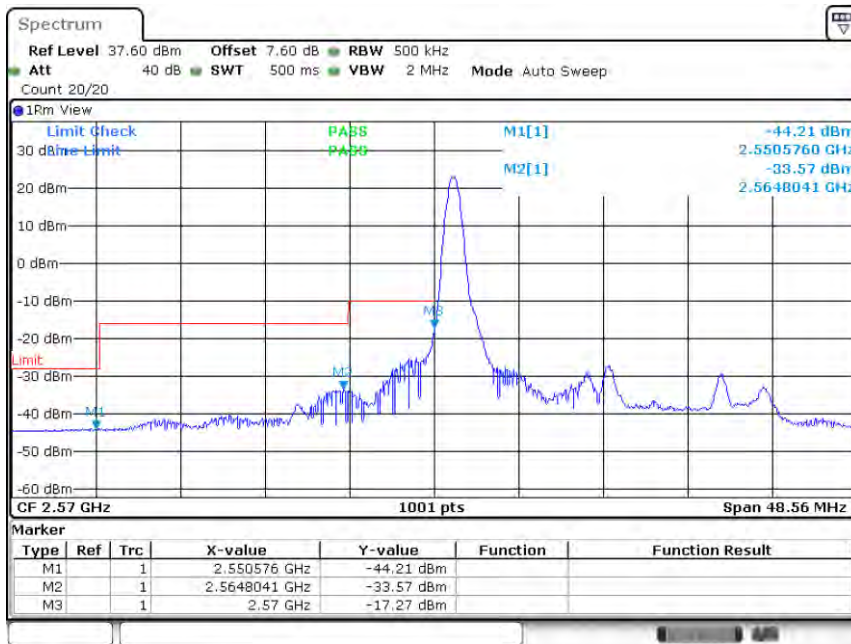


**Band38-20MHz-64QAM-38150-100RB#0**



Date: 23 MAY 2021 23:48:42

**Band38-20MHz-16QAM-37850-1RB#0**

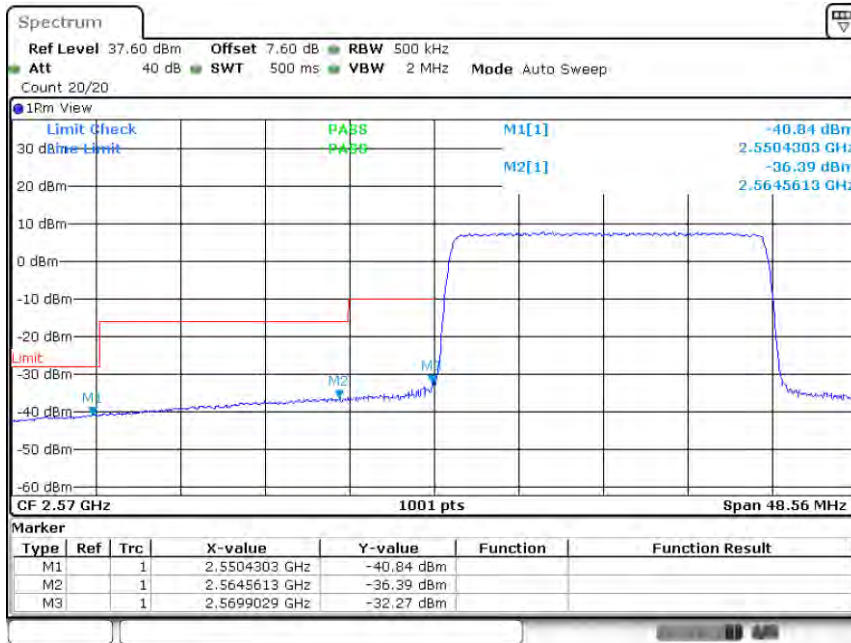


Date: 23 MAY 2021 23:19:48



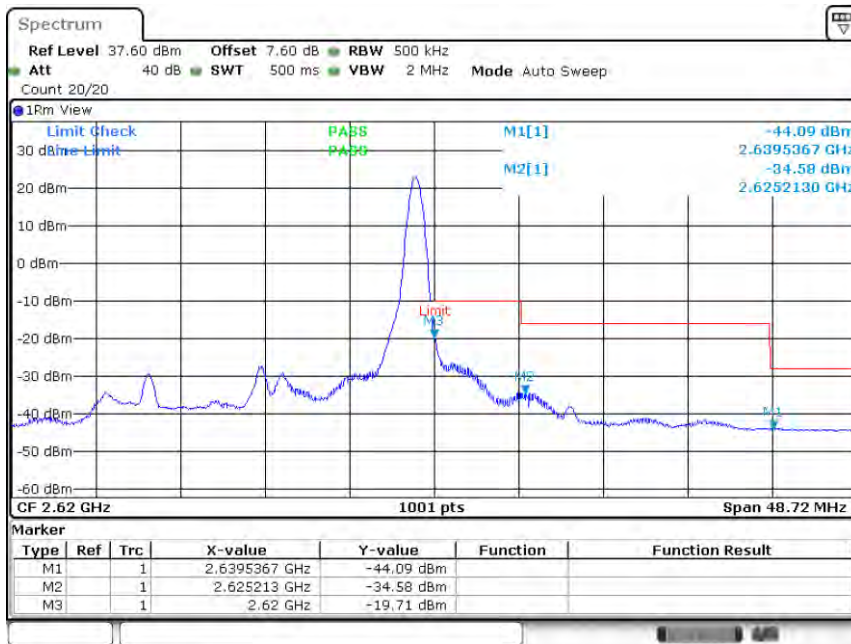
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**Band38-20MHz-16QAM-37850-100RB#0**



Date: 23 MAY 2021 23:21:24

**Band38-20MHz-16QAM-38150-1RB#99**

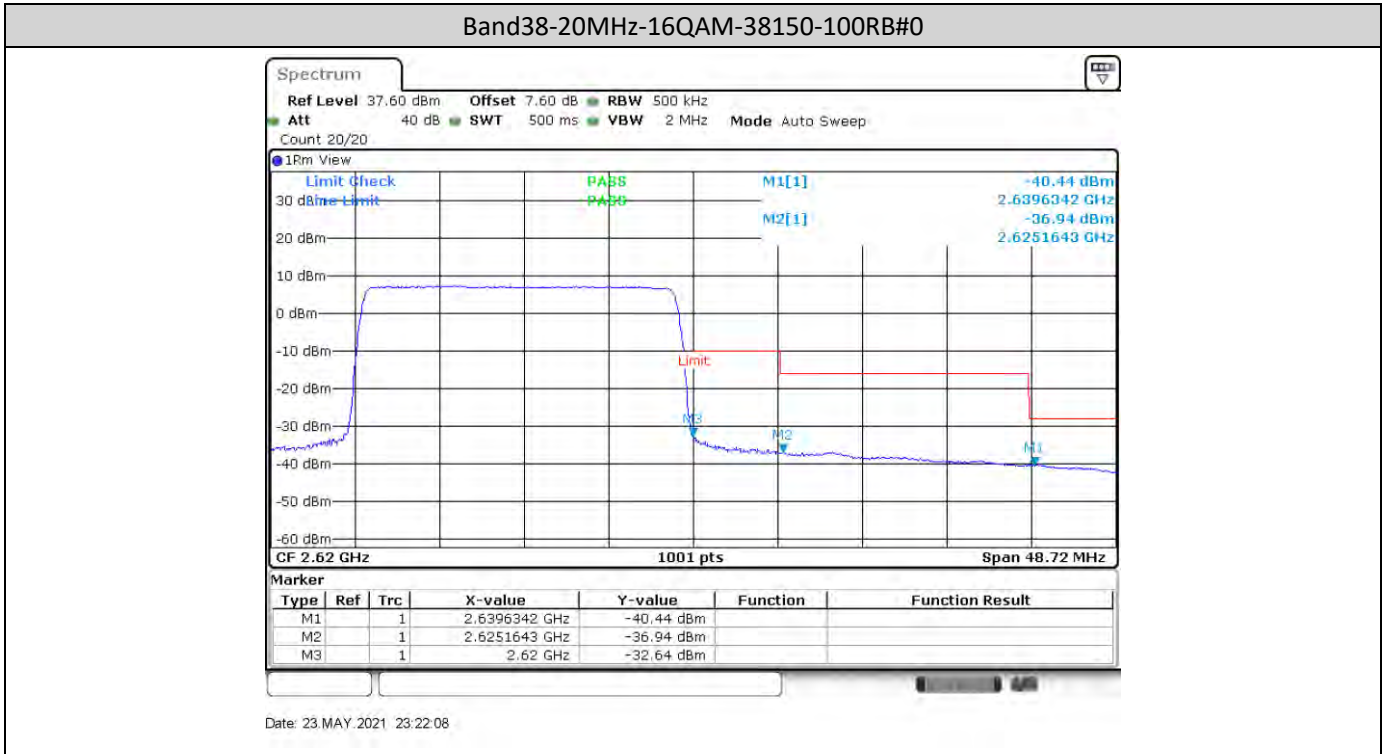


Date: 23 MAY 2021 23:20:36



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Remark: The limit of more than 1MHz offset the channel edge is corrected by the formula:  
 $X = \text{Limit} + 10 \log(\text{RBW}/1000\text{kHz})$



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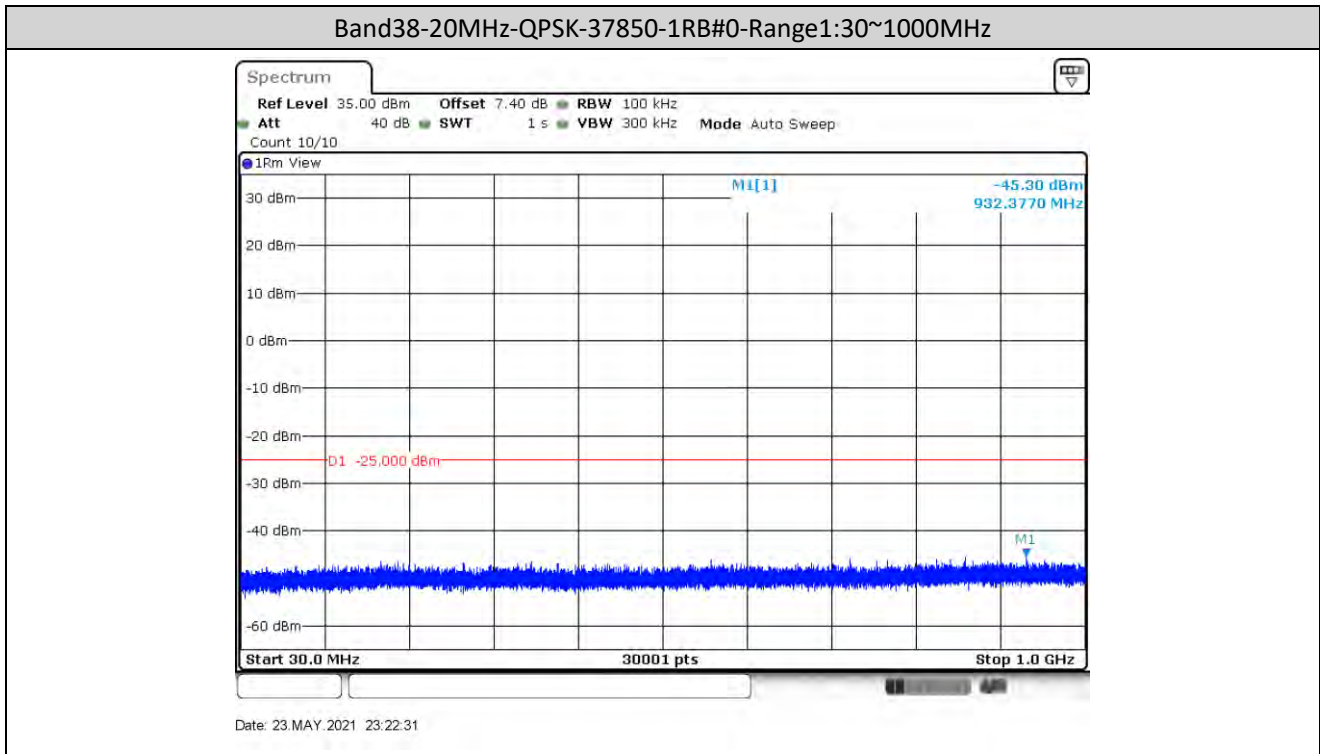
## 6. Spurious Emission at Antenna Terminal

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

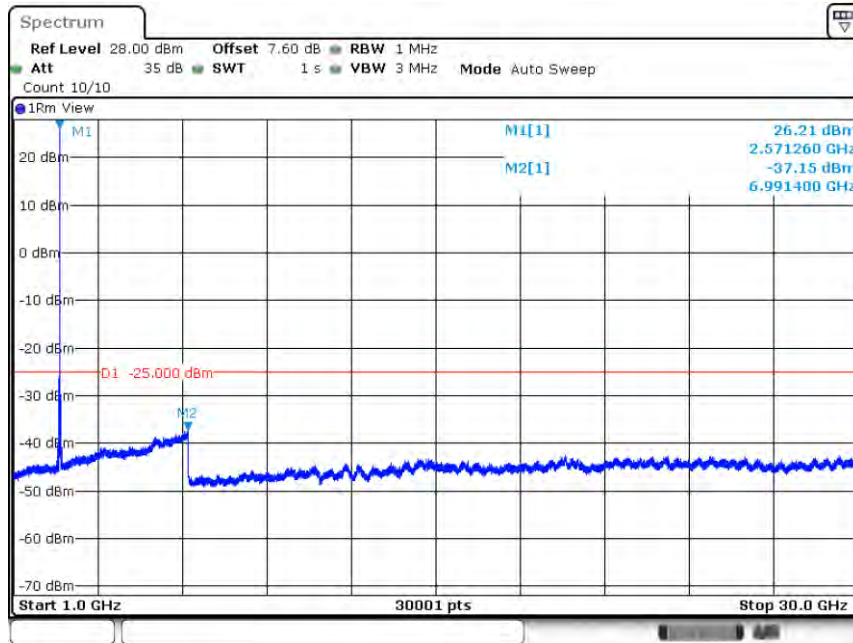


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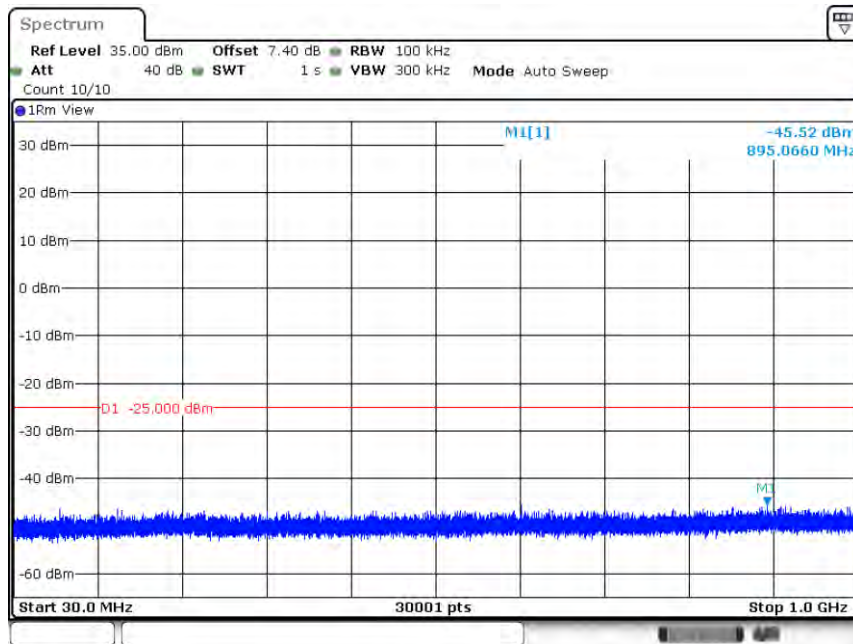


**Band38-20MHz-QPSK-37850-1RB#0-Range2:1000~30000MHz**



Date: 23.MAY.2021 23:22:48

**Band38-20MHz-QPSK-38000-1RB#0-Range1:30~1000MHz**



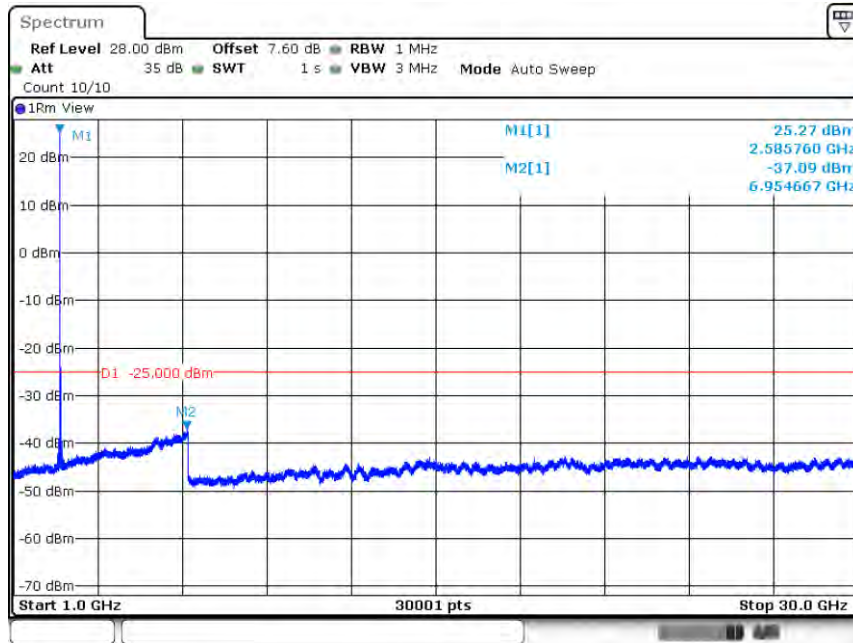
Date: 23.MAY.2021 23:23:42



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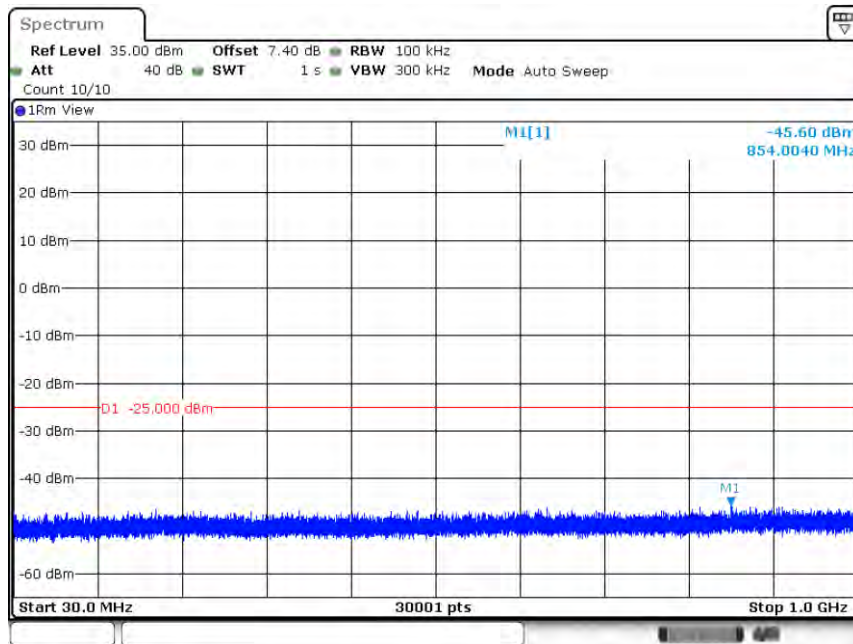
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**Band38-20MHz-QPSK-38000-1RB#0-Range2:1000~30000MHz**



Date: 23.MAY.2021 23:23:58

**Band38-20MHz-QPSK-38150-1RB#0-Range1:30~1000MHz**



Date: 23.MAY.2021 23:24:52

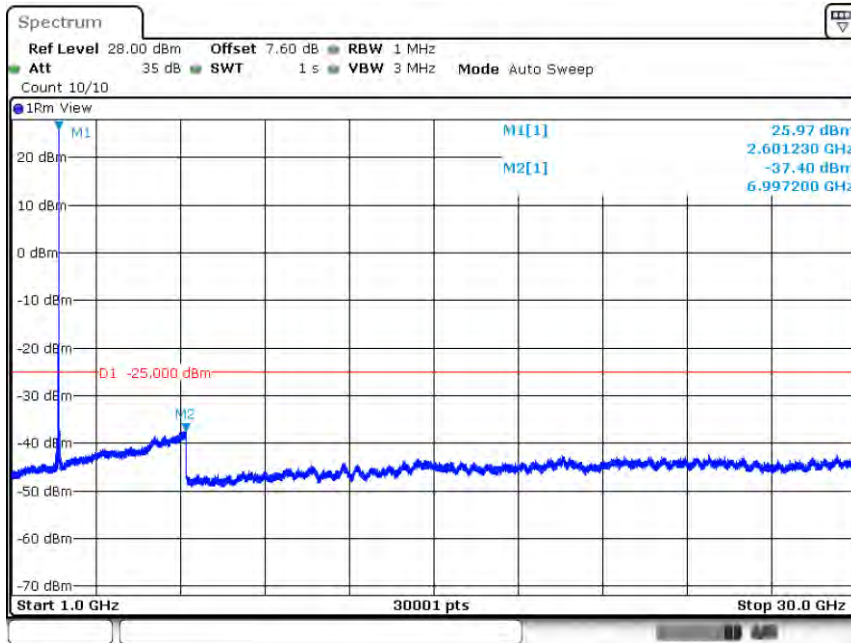


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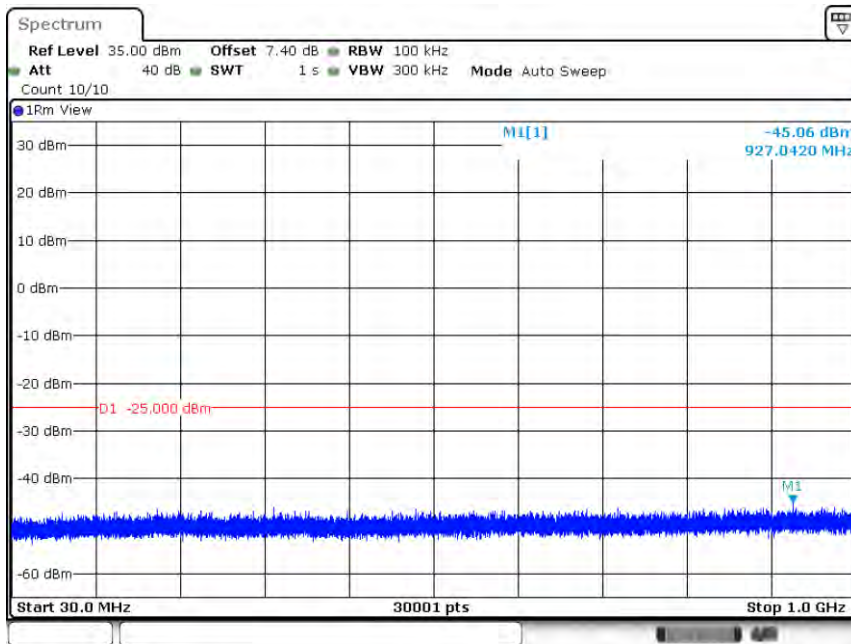


**Band38-20MHz-QPSK-38150-1RB#0-Range2:1000~30000MHz**



Date: 23.MAY.2021 23:25:08

**Band38-20MHz-64QAM-37850-1RB#0-Range1:30~1000MHz**



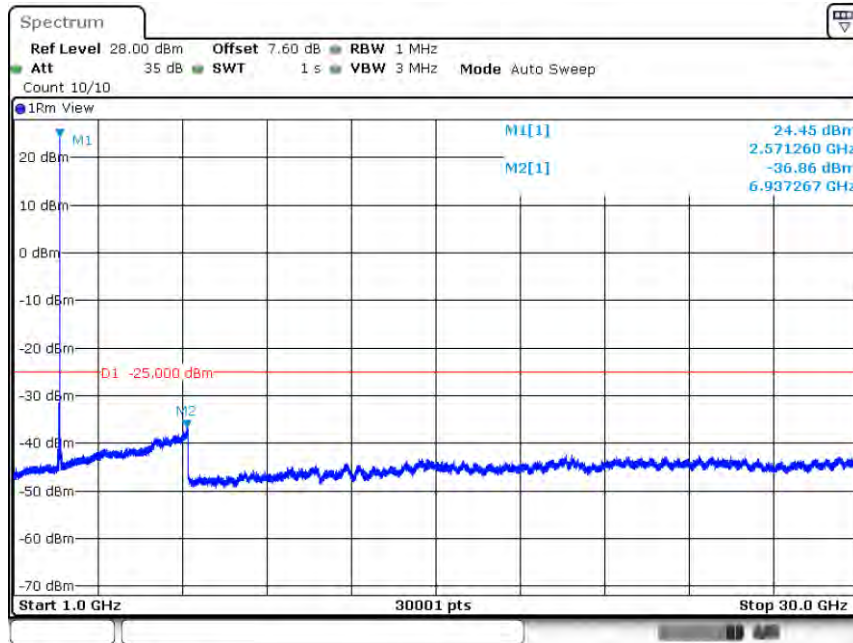
Date: 23.MAY.2021 23:49:06



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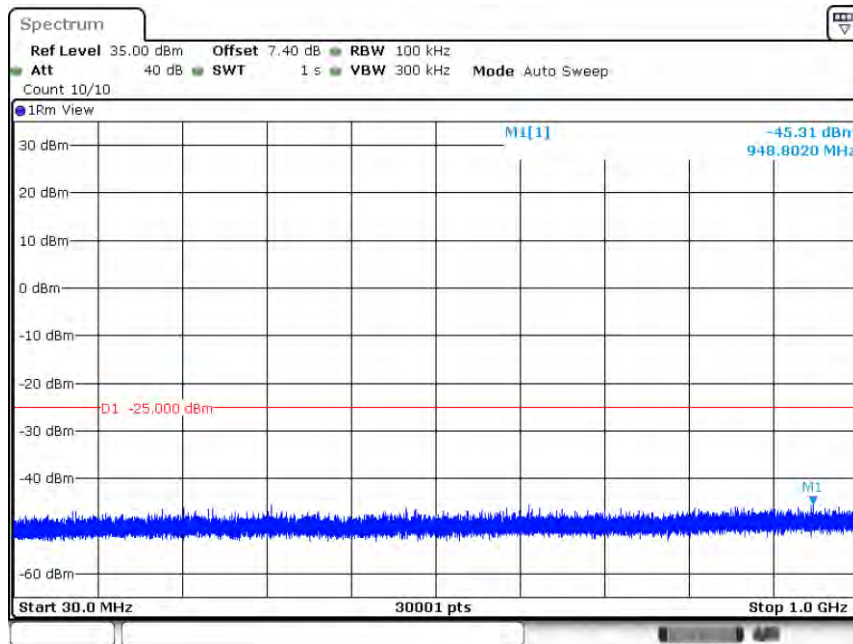
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**Band38-20MHz-64QAM-37850-1RB#0-Range2:1000~30000MHz**



Date: 23.MAY.2021 23:49:22

**Band38-20MHz-64QAM-38000-1RB#0-Range1:30~1000MHz**



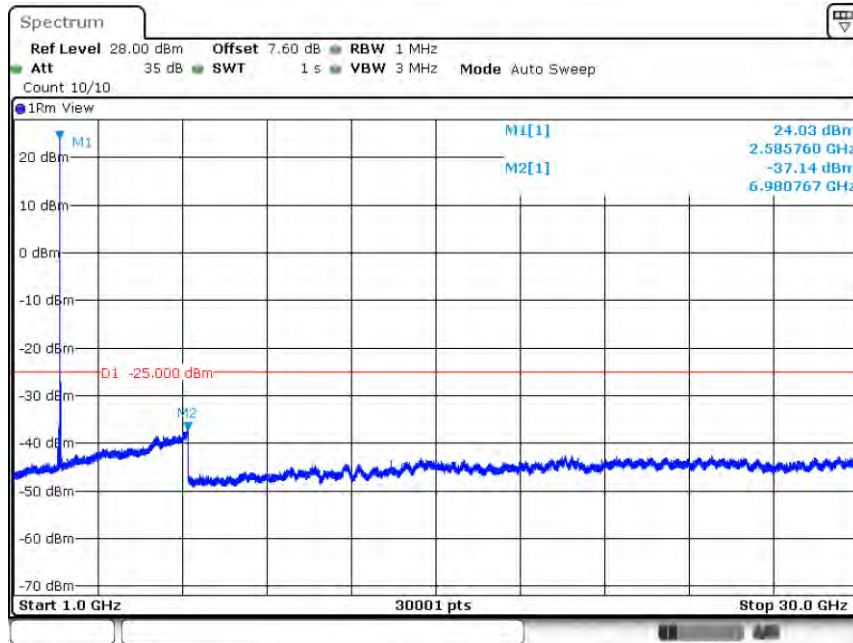
Date: 23.MAY.2021 23:49:41



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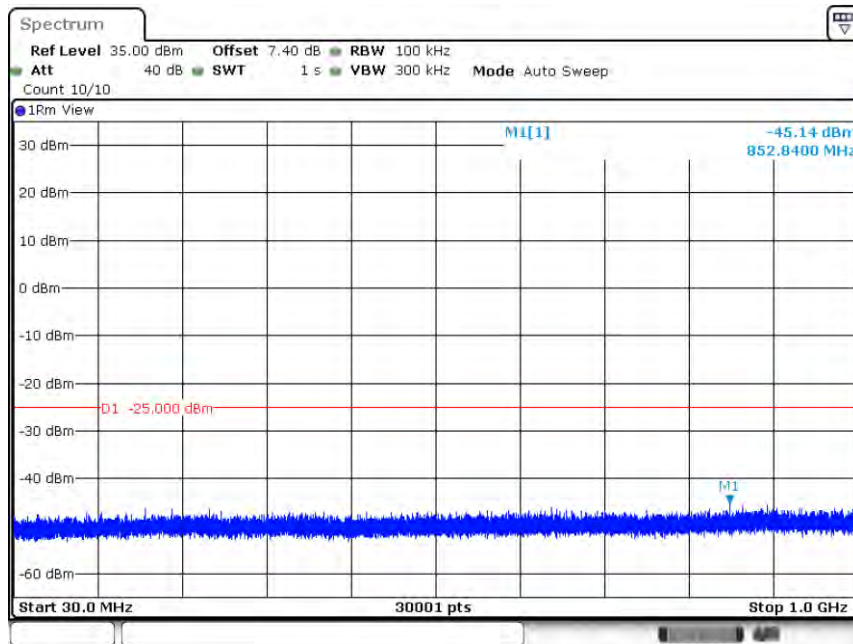


**Band38-20MHz-64QAM-38000-1RB#0-Range2:1000~30000MHz**



Date: 23.MAY.2021 23:49:57

**Band38-20MHz-64QAM-38150-1RB#0-Range1:30~1000MHz**

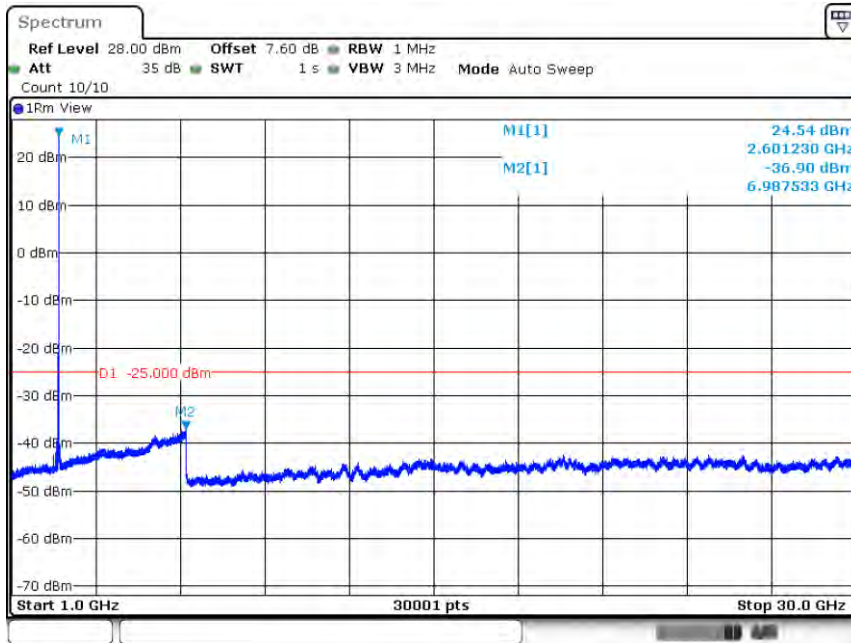


Date: 23.MAY.2021 23:50:16



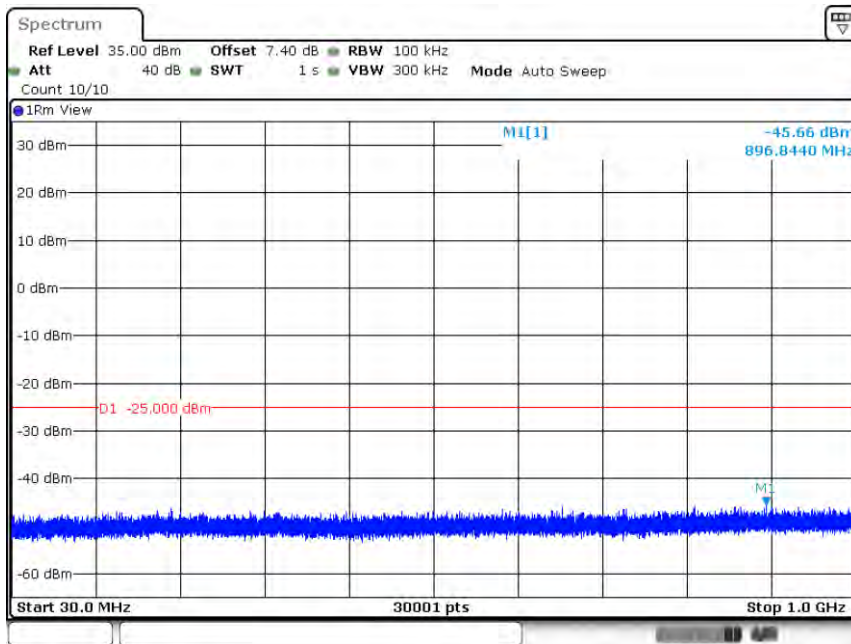
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**Band38-20MHz-64QAM-38150-1RB#0-Range2:1000~30000MHz**



Date: 23.MAY.2021 23:50:32

**Band38-20MHz-16QAM-37850-1RB#0-Range1:30~1000MHz**



Date: 23.MAY.2021 23:23:06

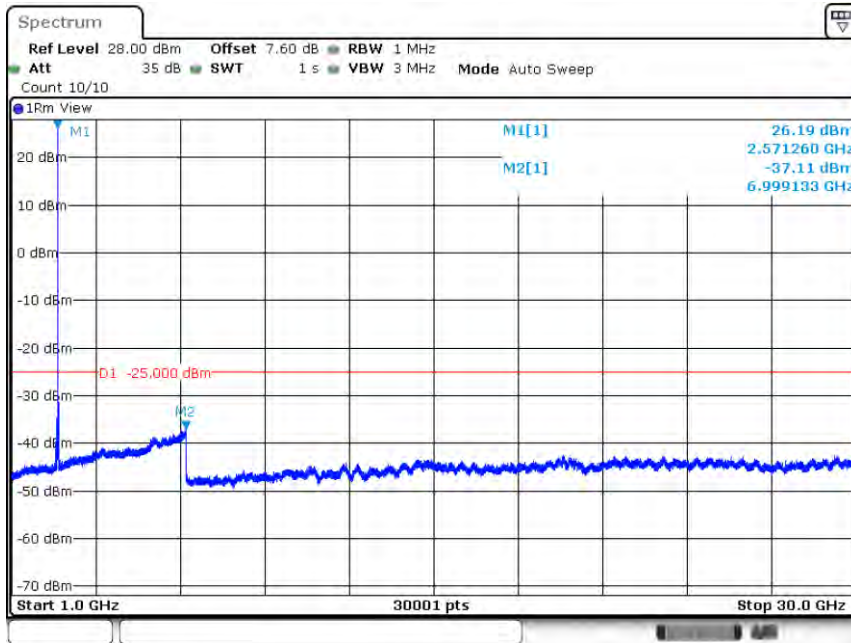


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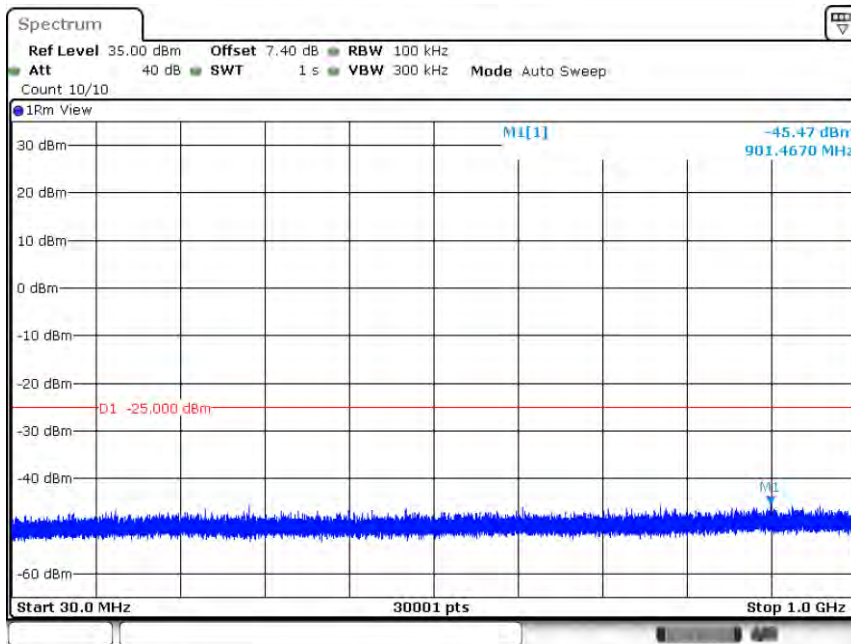


**Band38-20MHz-16QAM-37850-1RB#0-Range2:1000~30000MHz**



Date: 23.MAY.2021 23:23:23

**Band38-20MHz-16QAM-38000-1RB#0-Range1:30~1000MHz**



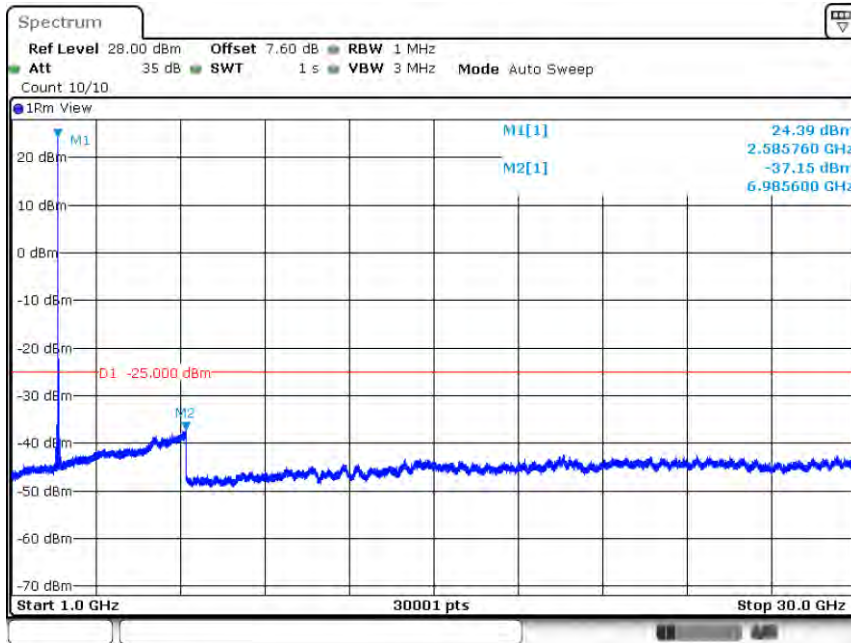
Date: 23.MAY.2021 23:24:16



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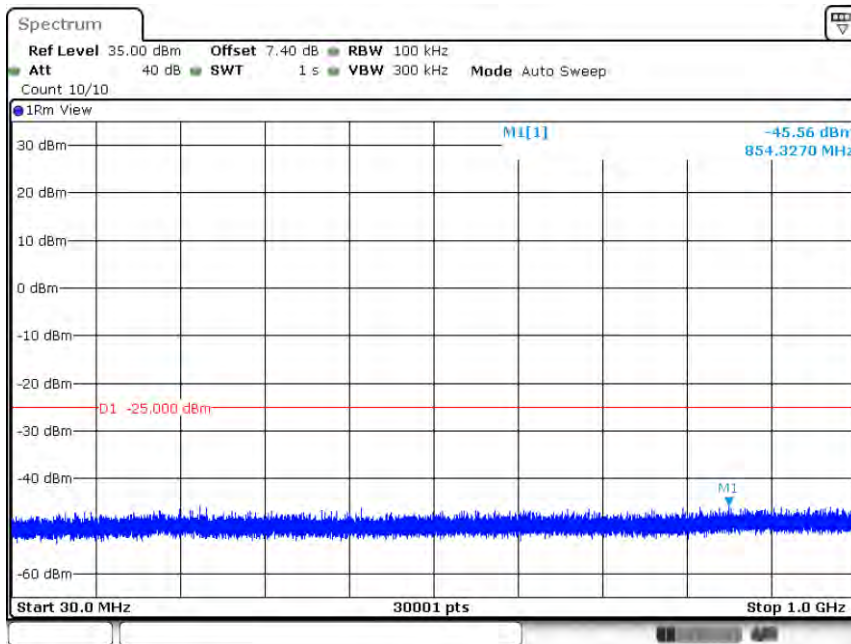
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**Band38-20MHz-16QAM-38000-1RB#0-Range2:1000~30000MHz**



Date: 23.MAY.2021 23:24:33

**Band38-20MHz-16QAM-38150-1RB#0-Range1:30~1000MHz**



Date: 23.MAY.2021 23:25:27

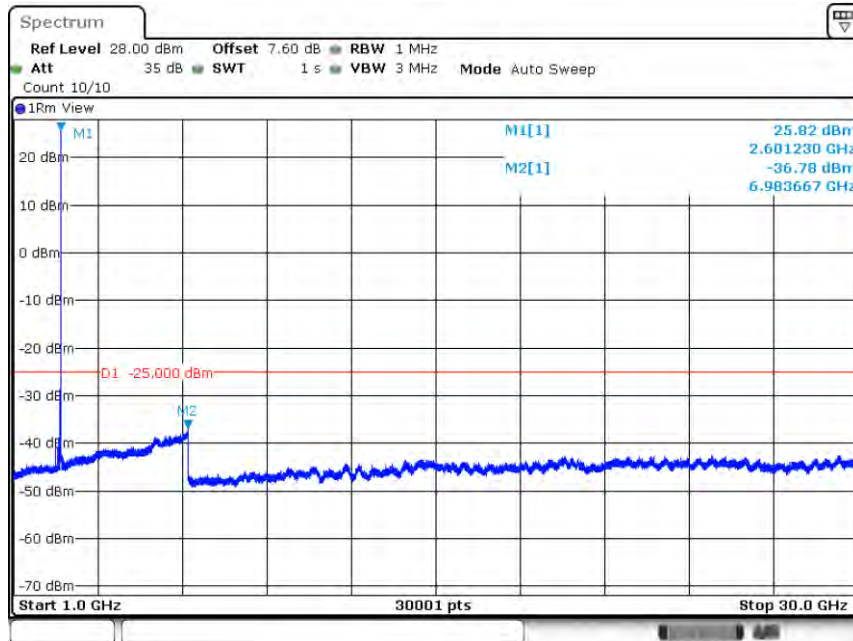


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**Band38-20MHz-16QAM-38150-1RB#0-Range2:1000~30000MHz**



Date: 23.MAY.2021 23:25:44



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## 7. Field Strength of Spurious Radiation

### 7.1. Test Band = \_38 \_TM1 ANT3

#### 7.1.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1192.5096	21.25	-49.32	-25.00	24.32	Horizontal
2	1968.7984	21.76	-46.94	-25.00	21.94	Horizontal
3	5142.2071	27.11	-31.13	-25.00	6.13	Horizontal
4	7485.6743	48.33	-54.19	-25.00	29.19	Horizontal
5	11929.3465	45.38	-49.39	-25.00	24.39	Horizontal
6	17974.698	47.02	-47.12	-25.00	22.12	Horizontal



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**7.2. Test Band = \_38\_TM1 ANT3**

**7.2.1. Test Channel = Low Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1288.2644	21.51	-49.02	-25.00	24.02	Vertical
2	1936.7968	21.30	-47.98	-25.00	22.98	Vertical
3	3723.1362	21.29	-41.50	-25.00	16.50	Vertical
4	4908.6954	20.11	-38.50	-25.00	13.50	Vertical
5	9015.8508	47.44	-51.81	-25.00	26.81	Vertical
6	15214.660	44.32	-48.73	-25.00	23.73	Vertical



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**7.3. Test Band = \_38\_TM1 ANT3**

**7.3.1. Test Channel = Mid Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1335.2668	21.04	-49.37	-25.00	24.37	Horizontal
2	1970.7985	21.60	-47.06	-25.00	22.06	Horizontal
3	5172.2086	26.91	-31.59	-25.00	6.59	Horizontal
4	7896.5448	48.31	-53.47	-25.00	28.47	Horizontal
5	12229.1115	44.93	-49.36	-25.00	24.36	Horizontal
6	17324.566	46.92	-47.54	-25.00	22.54	Horizontal



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**7.4. Test Band = \_38\_TM1 ANT3**

**7.4.1. Test Channel = Mid Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1337.0169	21.15	-49.29	-25.00	24.29	Vertical
2	1963.0482	21.93	-47.00	-25.00	22.00	Vertical
3	4353.4177	20.83	-39.92	-25.00	14.92	Vertical
4	5680.7340	20.60	-35.68	-25.00	10.68	Vertical
5	8401.4701	48.27	-52.73	-25.00	27.73	Vertical
6	13951.247	43.51	-48.08	-25.00	23.08	Vertical



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**7.5. Test Band = \_38\_TM1 ANT3**

**7.5.1. Test Channel = High Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1258.5129	21.37	-49.01	-25.00	24.01	Horizontal
2	1973.5487	21.52	-47.16	-25.00	22.16	Horizontal
3	4298.4149	20.61	-40.44	-25.00	15.44	Horizontal
4	5202.2101	24.82	-33.40	-25.00	8.40	Horizontal
5	9013.1007	47.91	-51.39	-25.00	26.39	Horizontal
6	13628.381	44.46	-47.94	-25.00	22.94	Horizontal



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**7.6. Test Band = \_38\_TM1 ANT3**

**7.6.1. Test Channel = High Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1171.5086	21.25	-49.03	-25.00	24.03	Vertical
2	1861.2931	22.19	-47.67	-25.00	22.67	Vertical
3	3492.1246	21.71	-41.91	-25.00	16.91	Vertical
4	5608.9804	20.10	-36.27	-25.00	11.27	Vertical
5	8460.3230	47.62	-53.12	-25.00	28.12	Vertical
6	13609.680	44.71	-47.69	-25.00	22.69	Vertical



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**7.7. Test Band = \_38\_ TM1 ANT4**

**7.7.1. Test Channel = Low Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1089.7612	20.42	-49.97	-13.00	36.97	Horizontal
2	1896.8621	20.69	-48.92	-13.00	35.92	Horizontal
3	2930.2413	20.74	-43.97	-13.00	30.97	Horizontal
4	4185.0593	50.81	-61.96	-13.00	48.96	Horizontal
5	9034.0517	47.54	-51.52	-13.00	38.52	Horizontal
6	17915.245	47.01	-45.94	-13.00	32.94	Horizontal



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7.8. Test Band = \_38\_TM1 ANT4

7.8.1. Test Channel = Low Channel



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**7.9. Test Band = \_38\_TM1 ANT4**

**7.9.1. Test Channel = Middle Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1087.0109	20.65	-49.66	-25.00	24.66	Horizontal
2	1771.3464	20.64	-49.32	-25.00	24.32	Horizontal
3	2998.2498	20.71	-43.80	-25.00	18.80	Horizontal
4	4676.3338	50.28	-61.01	-25.00	36.01	Horizontal
5	8971.7986	47.50	-51.70	-25.00	26.70	Horizontal
6	17998.499	47.99	-45.86	-25.00	20.86	Horizontal



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**7.10. Test Band = \_38\_TM1 ANT4**

**7.10.1. Test Channel = Middle Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1081.2602	20.36	-49.78	-25.00	24.78	Vertical
2	1771.8465	20.73	-49.24	-25.00	24.24	Vertical
3	2997.9998	20.73	-43.78	-25.00	18.78	Vertical
4	4164.8082	50.60	-62.20	-25.00	37.20	Vertical
5	8967.2984	47.90	-51.34	-25.00	26.34	Vertical
6	17828.991	48.52	-45.69	-25.00	20.69	Vertical



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**7.11. Test Band = \_38\_TM1 ANT4**

**7.11.1. Test Channel = High Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1075.5094	20.52	-49.91	-25.00	24.91	Horizontal
2	1772.5966	20.47	-49.51	-25.00	24.51	Horizontal
3	2951.4939	21.04	-43.66	-25.00	18.66	Horizontal
4	5688.8844	49.62	-57.31	-25.00	32.31	Horizontal
5	11215.9108	47.06	-48.65	-25.00	23.65	Horizontal
6	17993.999	48.15	-45.60	-25.00	20.60	Horizontal



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**7.12. Test Band = \_38\_TM1 ANT4**

**7.12.1. Test Channel = High Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1028.5036	20.49	-50.37	-25.00	25.37	Vertical
2	1778.3473	22.83	-47.21	-25.00	22.21	Vertical
3	2927.2409	21.05	-43.70	-25.00	18.70	Vertical
4	5229.8615	49.71	-59.24	-25.00	34.24	Vertical
5	10618.130	46.97	-49.88	-25.00	24.88	Vertical
6	17988.749	48.82	-44.82	-25.00	19.82	Vertical



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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 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 (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band38	20MHz	QPSK	37850	100RB#0	VL	NT	11.30	0.004380	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	VN	NT	12.20	0.004729	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	VH	NT	10.40	0.004031	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VL	NT	15.00	0.005780	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VN	NT	12.10	0.004663	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VH	NT	12.30	0.004740	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VL	NT	13.30	0.005096	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VN	NT	14.50	0.005556	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VH	NT	13.50	0.005172	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	VL	NT	7.60	0.002946	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	VN	NT	12.80	0.004961	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	VH	NT	10.70	0.004147	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	VL	NT	9.40	0.003622	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	VN	NT	7.50	0.002890	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	VH	NT	7.50	0.002890	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	VL	NT	15.20	0.005824	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	VN	NT	7.90	0.003027	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	VH	NT	15.00	0.005747	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VL	NT	12.30	0.004767	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VN	NT	8.50	0.003295	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VH	NT	8.30	0.003217	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VL	NT	13.60	0.005241	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VN	NT	9.80	0.003776	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VH	NT	9.80	0.003776	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VL	NT	12.00	0.004598	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VN	NT	13.10	0.005019	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VH	NT	10.20	0.003908	±2.5	PASS



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## 8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band38	20MHz	QPSK	37850	100RB#0	NV	-30	10.10	0.003915	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	-20	10.90	0.004225	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	-10	8.00	0.003101	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	0	8.40	0.003256	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	10	10.70	0.004147	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	20	10.30	0.003992	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	30	10.30	0.003992	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	40	13.90	0.005388	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	50	9.50	0.003682	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-30	10.50	0.004046	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-20	15.30	0.005896	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-10	12.20	0.004701	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	0	11.40	0.004393	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	10	9.60	0.003699	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	20	9.90	0.003815	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	30	9.80	0.003776	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	40	10.80	0.004162	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	50	12.30	0.004740	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	-30	10.60	0.004061	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	-20	11.70	0.004483	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	-10	9.40	0.003602	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	0	7.80	0.002989	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	10	13.00	0.004981	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	20	8.60	0.003295	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	30	7.70	0.002950	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	40	9.50	0.003640	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	50	11.70	0.004483	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	-30	6.30	0.002442	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	-20	12.70	0.004922	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	-10	9.90	0.003837	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	0	12.00	0.004651	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	10	8.60	0.003333	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	20	8.20	0.003178	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	30	10.10	0.003915	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	40	10.10	0.003915	±2.5	PASS



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Band38	20MHz	64QAM	37850	100RB#0	NV	50	10.60	0.004109	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	-30	9.90	0.003815	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	-20	4.70	0.001811	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	-10	8.90	0.003430	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	0	8.70	0.003353	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	10	8.30	0.003198	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	20	12.20	0.004701	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	30	15.40	0.005934	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	40	8.00	0.003083	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	50	14.10	0.005434	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	-30	11.10	0.004253	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	-20	11.30	0.004330	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	-10	12.70	0.004866	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	0	9.10	0.003487	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	10	10.30	0.003946	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	20	9.30	0.003563	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	30	14.40	0.005517	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	40	15.60	0.005977	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	50	13.70	0.005249	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	-30	9.80	0.003798	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	-20	10.00	0.003876	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	-10	9.50	0.003682	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	0	8.90	0.003450	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	10	10.70	0.004147	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	20	8.00	0.003101	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	30	15.30	0.005930	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	40	11.60	0.004496	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	50	8.80	0.003411	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	-30	9.00	0.003468	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	-20	9.70	0.003738	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	-10	8.40	0.003237	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	0	10.90	0.004200	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	10	14.60	0.005626	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	20	11.40	0.004393	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	30	10.50	0.004046	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	40	9.40	0.003622	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	50	8.80	0.003391	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	-30	12.60	0.004828	±2.5	PASS



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Band38	20MHz	16QAM	38150	100RB#0	NV	-20	10.80	0.004138	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	-10	11.90	0.004559	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	0	13.50	0.005172	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	10	10.80	0.004138	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	20	16.80	0.006437	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	30	13.80	0.005287	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	40	12.20	0.004674	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	50	13.50	0.005172	±2.5	PASS



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