



# Appendix B

## E-UTRA Band 41



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**CONTENT**

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

1.1. TEST RESULT ..... 4

**2. PEAK-TO-AVERAGE RATIO (CCDF) .....12**

2.1. TEST RESULT ..... 12

2.2. TEST PLOTS..... 12

**3. MODULATION CHARACTERISTICS .....17**

3.1. TEST MODE = LTE /TM1 20MHZ..... 17

3.1.1. TEST CHANNEL = MCH..... 17

3.2. TEST MODE = LTE /TM2 20MHZ..... 18

3.2.1. TEST CHANNEL = MCH..... 18

3.3. TEST MODE = LTE /TM3 20MHZ..... 19

3.3.1. 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 .....40**

5.1. TEST PLOTS..... 40

**6. SPURIOUS EMISSION AT ANTENNA TERMINAL .....65**

6.1. TEST PLOTS..... 65

**7. FIELD STRENGTH OF SPURIOUS RADIATION .....75**

7.1. Test Band = LTE\_41-20M \_TM1 ..... 75

7.1.1. Test Channel = Low Channel ..... 75

7.2. Test Band = LTE\_41-20M \_TM1 ..... 76

7.2.1. Test Channel = Low Channel ..... 76

7.3. Test Band = LTE\_41-20M \_TM1 ..... 77

7.3.1. Test Channel = Mid Channel ..... 77

7.4. Test Band = LTE\_41-20M \_TM1 ..... 78

7.4.1. Test Channel = Mid Channel ..... 78

7.5. Test Band = LTE\_41-20M \_TM1 ..... 79

7.5.1. Test Channel = High Channel ..... 79



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7.6. Test Band = LTE\_41-20M\_TM1 ..... 80

7.6.1. Test Channel = High Channel ..... 80

**8. FREQUENCY STABILITY .....81**

8.1. FREQUENCY VS VOLTAGE ..... 81

8.2. FREQUENCY VS TEMPERATURE ..... 82



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# 1 Effective (Isotropic) Radiated Power

## 1.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	21.42	11.52	30.00	PASS
Band41	5MHz	QPSK	39675	1RB#12	21.47	11.57	30.00	PASS
Band41	5MHz	QPSK	39675	1RB#24	21.32	11.42	30.00	PASS
Band41	5MHz	QPSK	39675	12RB#6	20.62	10.72	30.00	PASS
Band41	5MHz	QPSK	39675	12RB#0	20.56	10.66	30.00	PASS
Band41	5MHz	QPSK	39675	12RB#13	20.55	10.65	30.00	PASS
Band41	5MHz	QPSK	39675	25RB#0	20.60	10.7	30.00	PASS
Band41	5MHz	QPSK	40620	1RB#24	21.78	11.88	30.00	PASS
Band41	5MHz	QPSK	40620	1RB#0	21.82	11.92	30.00	PASS
Band41	5MHz	QPSK	40620	1RB#12	21.73	11.83	30.00	PASS
Band41	5MHz	QPSK	40620	12RB#0	20.82	10.92	30.00	PASS
Band41	5MHz	QPSK	40620	12RB#6	20.86	10.96	30.00	PASS
Band41	5MHz	QPSK	40620	12RB#13	20.84	10.94	30.00	PASS
Band41	5MHz	QPSK	40620	25RB#0	20.80	10.9	30.00	PASS
Band41	5MHz	QPSK	41565	1RB#12	21.42	11.52	30.00	PASS
Band41	5MHz	QPSK	41565	1RB#0	21.52	11.62	30.00	PASS
Band41	5MHz	QPSK	41565	1RB#24	21.50	11.6	30.00	PASS
Band41	5MHz	QPSK	41565	12RB#13	20.53	10.63	30.00	PASS
Band41	5MHz	QPSK	41565	12RB#6	20.61	10.71	30.00	PASS
Band41	5MHz	QPSK	41565	12RB#0	20.58	10.68	30.00	PASS
Band41	5MHz	QPSK	41565	25RB#0	20.48	10.58	30.00	PASS
Band41	5MHz	16QAM	39675	1RB#0	20.72	10.82	30.00	PASS
Band41	5MHz	16QAM	39675	1RB#24	20.61	10.71	30.00	PASS
Band41	5MHz	16QAM	39675	1RB#12	20.77	10.87	30.00	PASS
Band41	5MHz	16QAM	39675	12RB#0	19.56	9.66	30.00	PASS
Band41	5MHz	16QAM	39675	12RB#6	19.66	9.76	30.00	PASS
Band41	5MHz	16QAM	39675	12RB#13	19.53	9.63	30.00	PASS



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Band41	5MHz	16QAM	39675	25RB#0	19.66	9.76	30.00	PASS
Band41	5MHz	16QAM	40620	1RB#0	21.00	11.1	30.00	PASS
Band41	5MHz	16QAM	40620	1RB#12	21.04	11.14	30.00	PASS
Band41	5MHz	16QAM	40620	1RB#24	20.93	11.03	30.00	PASS
Band41	5MHz	16QAM	40620	12RB#13	19.88	9.98	30.00	PASS
Band41	5MHz	16QAM	40620	12RB#6	19.85	9.95	30.00	PASS
Band41	5MHz	16QAM	40620	12RB#0	19.86	9.96	30.00	PASS
Band41	5MHz	16QAM	40620	25RB#0	19.91	10.01	30.00	PASS
Band41	5MHz	16QAM	41565	1RB#0	20.64	10.74	30.00	PASS
Band41	5MHz	16QAM	41565	1RB#12	20.58	10.68	30.00	PASS
Band41	5MHz	16QAM	41565	1RB#24	20.63	10.73	30.00	PASS
Band41	5MHz	16QAM	41565	12RB#0	19.47	9.57	30.00	PASS
Band41	5MHz	16QAM	41565	12RB#6	19.56	9.66	30.00	PASS
Band41	5MHz	16QAM	41565	12RB#13	19.55	9.65	30.00	PASS
Band41	5MHz	16QAM	41565	25RB#0	19.62	9.72	30.00	PASS
Band41	5MHz	64QAM	39675	1RB#0	19.32	9.42	30.00	PASS
Band41	5MHz	64QAM	39675	1RB#24	19.57	9.67	30.00	PASS
Band41	5MHz	64QAM	39675	1RB#12	19.47	9.57	30.00	PASS
Band41	5MHz	64QAM	39675	12RB#13	18.52	8.62	30.00	PASS
Band41	5MHz	64QAM	39675	12RB#6	18.30	8.4	30.00	PASS
Band41	5MHz	64QAM	39675	12RB#0	18.56	8.66	30.00	PASS
Band41	5MHz	64QAM	39675	25RB#0	18.33	8.43	30.00	PASS
Band41	5MHz	64QAM	40620	1RB#0	19.56	9.66	30.00	PASS
Band41	5MHz	64QAM	40620	1RB#12	19.38	9.48	30.00	PASS
Band41	5MHz	64QAM	40620	1RB#24	19.34	9.44	30.00	PASS
Band41	5MHz	64QAM	40620	12RB#0	18.56	8.66	30.00	PASS
Band41	5MHz	64QAM	40620	12RB#6	18.56	8.66	30.00	PASS
Band41	5MHz	64QAM	40620	12RB#13	18.48	8.58	30.00	PASS
Band41	5MHz	64QAM	40620	25RB#0	18.56	8.66	30.00	PASS
Band41	5MHz	64QAM	41565	1RB#0	19.30	9.4	30.00	PASS
Band41	5MHz	64QAM	41565	1RB#24	19.32	9.42	30.00	PASS
Band41	5MHz	64QAM	41565	1RB#12	19.33	9.43	30.00	PASS
Band41	5MHz	64QAM	41565	12RB#0	18.40	8.5	30.00	PASS



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Band41	5MHz	64QAM	41565	12RB#6	18.51	8.61	30.00	PASS
Band41	5MHz	64QAM	41565	12RB#13	18.30	8.4	30.00	PASS
Band41	5MHz	64QAM	41565	25RB#0	18.55	8.65	30.00	PASS
Band41	10MHz	QPSK	39700	1RB#49	21.83	11.93	30.00	PASS
Band41	10MHz	QPSK	39700	1RB#24	21.42	11.52	30.00	PASS
Band41	10MHz	QPSK	39700	1RB#0	21.46	11.56	30.00	PASS
Band41	10MHz	QPSK	39700	25RB#12	20.59	10.69	30.00	PASS
Band41	10MHz	QPSK	39700	25RB#0	20.47	10.57	30.00	PASS
Band41	10MHz	QPSK	39700	25RB#25	20.60	10.70	30.00	PASS
Band41	10MHz	QPSK	39700	50RB#0	20.57	10.67	30.00	PASS
Band41	10MHz	QPSK	40620	1RB#24	21.65	11.75	30.00	PASS
Band41	10MHz	QPSK	40620	1RB#49	21.71	11.81	30.00	PASS
Band41	10MHz	QPSK	40620	1RB#0	21.75	11.85	30.00	PASS
Band41	10MHz	QPSK	40620	25RB#25	20.87	10.97	30.00	PASS
Band41	10MHz	QPSK	40620	25RB#0	20.84	10.94	30.00	PASS
Band41	10MHz	QPSK	40620	25RB#12	20.78	10.88	30.00	PASS
Band41	10MHz	QPSK	40620	50RB#0	20.87	10.97	30.00	PASS
Band41	10MHz	QPSK	41540	1RB#49	21.45	11.55	30.00	PASS
Band41	10MHz	QPSK	41540	1RB#24	21.40	11.50	30.00	PASS
Band41	10MHz	QPSK	41540	1RB#0	21.35	11.45	30.00	PASS
Band41	10MHz	QPSK	41540	25RB#25	20.63	10.73	30.00	PASS
Band41	10MHz	QPSK	41540	25RB#0	20.60	10.70	30.00	PASS
Band41	10MHz	QPSK	41540	25RB#12	20.51	10.61	30.00	PASS
Band41	10MHz	QPSK	41540	50RB#0	20.56	10.66	30.00	PASS
Band41	10MHz	16QAM	39700	1RB#24	20.62	10.72	30.00	PASS
Band41	10MHz	16QAM	39700	1RB#49	20.59	10.69	30.00	PASS
Band41	10MHz	16QAM	39700	1RB#0	20.55	10.65	30.00	PASS
Band41	10MHz	16QAM	39700	25RB#0	19.74	9.84	30.00	PASS
Band41	10MHz	16QAM	39700	25RB#12	19.54	9.64	30.00	PASS
Band41	10MHz	16QAM	39700	25RB#25	19.59	9.69	30.00	PASS
Band41	10MHz	16QAM	39700	50RB#0	19.56	9.66	30.00	PASS
Band41	10MHz	16QAM	40620	1RB#49	20.92	11.02	30.00	PASS
Band41	10MHz	16QAM	40620	1RB#0	20.92	11.02	30.00	PASS



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Band41	10MHz	16QAM	40620	1RB#24	20.81	10.91	30.00	PASS
Band41	10MHz	16QAM	40620	25RB#0	19.79	9.89	30.00	PASS
Band41	10MHz	16QAM	40620	25RB#12	19.68	9.78	30.00	PASS
Band41	10MHz	16QAM	40620	25RB#25	19.73	9.83	30.00	PASS
Band41	10MHz	16QAM	40620	50RB#0	19.85	9.95	30.00	PASS
Band41	10MHz	16QAM	41540	1RB#0	20.44	10.54	30.00	PASS
Band41	10MHz	16QAM	41540	1RB#49	20.58	10.68	30.00	PASS
Band41	10MHz	16QAM	41540	1RB#24	20.54	10.64	30.00	PASS
Band41	10MHz	16QAM	41540	25RB#25	19.64	9.74	30.00	PASS
Band41	10MHz	16QAM	41540	25RB#0	19.64	9.74	30.00	PASS
Band41	10MHz	16QAM	41540	25RB#12	19.43	9.53	30.00	PASS
Band41	10MHz	16QAM	41540	50RB#0	19.59	9.69	30.00	PASS
Band41	10MHz	64QAM	39700	1RB#0	19.60	9.70	30.00	PASS
Band41	10MHz	64QAM	39700	1RB#24	19.46	9.56	30.00	PASS
Band41	10MHz	64QAM	39700	1RB#49	19.33	9.43	30.00	PASS
Band41	10MHz	64QAM	39700	25RB#12	18.54	8.64	30.00	PASS
Band41	10MHz	64QAM	39700	25RB#0	18.51	8.61	30.00	PASS
Band41	10MHz	64QAM	39700	25RB#25	18.52	8.62	30.00	PASS
Band41	10MHz	64QAM	39700	50RB#0	18.30	8.40	30.00	PASS
Band41	10MHz	64QAM	40620	1RB#0	19.31	9.41	30.00	PASS
Band41	10MHz	64QAM	40620	1RB#49	19.52	9.62	30.00	PASS
Band41	10MHz	64QAM	40620	1RB#24	19.44	9.54	30.00	PASS
Band41	10MHz	64QAM	40620	25RB#0	18.45	8.55	30.00	PASS
Band41	10MHz	64QAM	40620	25RB#25	18.58	8.68	30.00	PASS
Band41	10MHz	64QAM	40620	25RB#12	18.49	8.59	30.00	PASS
Band41	10MHz	64QAM	40620	50RB#0	18.36	8.46	30.00	PASS
Band41	10MHz	64QAM	41540	1RB#0	19.59	9.69	30.00	PASS
Band41	10MHz	64QAM	41540	1RB#49	19.49	9.59	30.00	PASS
Band41	10MHz	64QAM	41540	1RB#24	19.49	9.59	30.00	PASS
Band41	10MHz	64QAM	41540	25RB#0	18.35	8.45	30.00	PASS
Band41	10MHz	64QAM	41540	25RB#12	18.38	8.48	30.00	PASS
Band41	10MHz	64QAM	41540	25RB#25	18.47	8.57	30.00	PASS
Band41	10MHz	64QAM	41540	50RB#0	18.56	8.66	30.00	PASS



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Band41	15MHz	QPSK	39725	1RB#74	21.41	11.51	30.00	PASS
Band41	15MHz	QPSK	39725	1RB#38	21.31	11.41	30.00	PASS
Band41	15MHz	QPSK	39725	1RB#0	21.42	11.52	30.00	PASS
Band41	15MHz	QPSK	39725	36RB#39	20.50	10.60	30.00	PASS
Band41	15MHz	QPSK	39725	36RB#18	20.41	10.51	30.00	PASS
Band41	15MHz	QPSK	39725	36RB#0	20.41	10.51	30.00	PASS
Band41	15MHz	QPSK	39725	75RB#0	20.48	10.58	30.00	PASS
Band41	15MHz	QPSK	40620	1RB#0	21.55	11.65	30.00	PASS
Band41	15MHz	QPSK	40620	1RB#38	21.58	11.68	30.00	PASS
Band41	15MHz	QPSK	40620	1RB#74	21.59	11.69	30.00	PASS
Band41	15MHz	QPSK	40620	36RB#0	20.67	10.77	30.00	PASS
Band41	15MHz	QPSK	40620	36RB#18	20.60	10.70	30.00	PASS
Band41	15MHz	QPSK	40620	36RB#39	20.60	10.70	30.00	PASS
Band41	15MHz	QPSK	40620	75RB#0	20.63	10.73	30.00	PASS
Band41	15MHz	QPSK	41515	1RB#0	21.14	11.24	30.00	PASS
Band41	15MHz	QPSK	41515	1RB#38	21.11	11.21	30.00	PASS
Band41	15MHz	QPSK	41515	1RB#74	21.32	11.42	30.00	PASS
Band41	15MHz	QPSK	41515	36RB#0	20.37	10.47	30.00	PASS
Band41	15MHz	QPSK	41515	36RB#18	20.43	10.53	30.00	PASS
Band41	15MHz	QPSK	41515	36RB#39	20.40	10.50	30.00	PASS
Band41	15MHz	QPSK	41515	75RB#0	20.45	10.55	30.00	PASS
Band41	15MHz	16QAM	39725	1RB#74	20.50	10.60	30.00	PASS
Band41	15MHz	16QAM	39725	1RB#38	20.38	10.48	30.00	PASS
Band41	15MHz	16QAM	39725	1RB#0	20.53	10.63	30.00	PASS
Band41	15MHz	16QAM	39725	36RB#0	19.37	9.47	30.00	PASS
Band41	15MHz	16QAM	39725	36RB#18	19.42	9.52	30.00	PASS
Band41	15MHz	16QAM	39725	36RB#39	19.32	9.42	30.00	PASS
Band41	15MHz	16QAM	39725	75RB#0	19.45	9.55	30.00	PASS
Band41	15MHz	16QAM	40620	1RB#38	20.78	10.88	30.00	PASS
Band41	15MHz	16QAM	40620	1RB#74	20.71	10.81	30.00	PASS
Band41	15MHz	16QAM	40620	1RB#0	20.86	10.96	30.00	PASS
Band41	15MHz	16QAM	40620	36RB#39	19.71	9.81	30.00	PASS
Band41	15MHz	16QAM	40620	36RB#0	19.57	9.67	30.00	PASS



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Band41	15MHz	16QAM	40620	36RB#18	19.61	9.71	30.00	PASS
Band41	15MHz	16QAM	40620	75RB#0	19.69	9.79	30.00	PASS
Band41	15MHz	16QAM	41515	1RB#0	20.46	10.56	30.00	PASS
Band41	15MHz	16QAM	41515	1RB#38	20.41	10.51	30.00	PASS
Band41	15MHz	16QAM	41515	1RB#74	20.41	10.51	30.00	PASS
Band41	15MHz	16QAM	41515	36RB#18	19.41	9.51	30.00	PASS
Band41	15MHz	16QAM	41515	36RB#0	19.38	9.48	30.00	PASS
Band41	15MHz	16QAM	41515	36RB#39	19.24	9.34	30.00	PASS
Band41	15MHz	16QAM	41515	75RB#0	19.45	9.55	30.00	PASS
Band41	15MHz	64QAM	39725	1RB#38	19.56	9.66	30.00	PASS
Band41	15MHz	64QAM	39725	1RB#0	19.46	9.56	30.00	PASS
Band41	15MHz	64QAM	39725	1RB#74	19.51	9.61	30.00	PASS
Band41	15MHz	64QAM	39725	36RB#0	18.36	8.46	30.00	PASS
Band41	15MHz	64QAM	39725	36RB#39	18.34	8.44	30.00	PASS
Band41	15MHz	64QAM	39725	36RB#18	18.43	8.53	30.00	PASS
Band41	15MHz	64QAM	39725	75RB#0	18.52	8.62	30.00	PASS
Band41	15MHz	64QAM	40620	1RB#38	19.35	9.45	30.00	PASS
Band41	15MHz	64QAM	40620	1RB#74	19.59	9.69	30.00	PASS
Band41	15MHz	64QAM	40620	1RB#0	19.41	9.51	30.00	PASS
Band41	15MHz	64QAM	40620	36RB#0	18.32	8.42	30.00	PASS
Band41	15MHz	64QAM	40620	36RB#18	18.59	8.69	30.00	PASS
Band41	15MHz	64QAM	40620	36RB#39	18.34	8.44	30.00	PASS
Band41	15MHz	64QAM	40620	75RB#0	18.35	8.45	30.00	PASS
Band41	15MHz	64QAM	41515	1RB#0	19.58	9.68	30.00	PASS
Band41	15MHz	64QAM	41515	1RB#38	19.34	9.44	30.00	PASS
Band41	15MHz	64QAM	41515	1RB#74	19.60	9.70	30.00	PASS
Band41	15MHz	64QAM	41515	36RB#0	18.55	8.65	30.00	PASS
Band41	15MHz	64QAM	41515	36RB#18	18.39	8.49	30.00	PASS
Band41	15MHz	64QAM	41515	36RB#39	18.60	8.70	30.00	PASS
Band41	15MHz	64QAM	41515	75RB#0	18.52	8.62	30.00	PASS
Band41	20MHz	QPSK	39750	1RB#0	21.40	11.50	30.00	PASS
Band41	20MHz	QPSK	39750	1RB#49	21.47	11.57	30.00	PASS
Band41	20MHz	QPSK	39750	1RB#99	21.46	11.56	30.00	PASS



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Band41	20MHz	QPSK	39750	50RB#25	20.53	10.63	30.00	PASS
Band41	20MHz	QPSK	39750	50RB#0	20.42	10.52	30.00	PASS
Band41	20MHz	QPSK	39750	50RB#50	20.50	10.60	30.00	PASS
Band41	20MHz	QPSK	39750	100RB#0	20.56	10.66	30.00	PASS
Band41	20MHz	QPSK	40620	1RB#99	21.60	11.70	30.00	PASS
Band41	20MHz	QPSK	40620	1RB#0	21.66	11.76	30.00	PASS
Band41	20MHz	QPSK	40620	1RB#49	21.65	11.75	30.00	PASS
Band41	20MHz	QPSK	40620	50RB#0	20.81	10.91	30.00	PASS
Band41	20MHz	QPSK	40620	50RB#25	20.75	10.85	30.00	PASS
Band41	20MHz	QPSK	40620	50RB#50	20.75	10.85	30.00	PASS
Band41	20MHz	QPSK	40620	100RB#0	20.69	10.79	30.00	PASS
Band41	20MHz	QPSK	41490	1RB#49	21.29	11.39	30.00	PASS
Band41	20MHz	QPSK	41490	1RB#0	21.34	11.44	30.00	PASS
Band41	20MHz	QPSK	41490	1RB#99	21.24	11.34	30.00	PASS
Band41	20MHz	QPSK	41490	50RB#25	20.58	10.68	30.00	PASS
Band41	20MHz	QPSK	41490	50RB#0	20.48	10.58	30.00	PASS
Band41	20MHz	QPSK	41490	50RB#50	20.44	10.54	30.00	PASS
Band41	20MHz	QPSK	41490	100RB#0	20.46	10.56	30.00	PASS
Band41	20MHz	16QAM	39750	1RB#0	20.52	10.62	30.00	PASS
Band41	20MHz	16QAM	39750	1RB#49	20.50	10.60	30.00	PASS
Band41	20MHz	16QAM	39750	1RB#99	20.58	10.68	30.00	PASS
Band41	20MHz	16QAM	39750	50RB#50	19.41	9.51	30.00	PASS
Band41	20MHz	16QAM	39750	50RB#0	19.51	9.61	30.00	PASS
Band41	20MHz	16QAM	39750	50RB#25	19.48	9.58	30.00	PASS
Band41	20MHz	16QAM	39750	100RB#0	19.52	9.62	30.00	PASS
Band41	20MHz	16QAM	40620	1RB#0	20.79	10.89	30.00	PASS
Band41	20MHz	16QAM	40620	1RB#49	20.73	10.83	30.00	PASS
Band41	20MHz	16QAM	40620	1RB#99	20.81	10.91	30.00	PASS
Band41	20MHz	16QAM	40620	50RB#0	19.76	9.86	30.00	PASS
Band41	20MHz	16QAM	40620	50RB#25	19.72	9.82	30.00	PASS
Band41	20MHz	16QAM	40620	50RB#50	19.62	9.72	30.00	PASS
Band41	20MHz	16QAM	40620	100RB#0	19.68	9.78	30.00	PASS
Band41	20MHz	16QAM	41490	1RB#99	20.60	10.70	30.00	PASS



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Band41	20MHz	16QAM	41490	1RB#0	20.39	10.49	30.00	PASS
Band41	20MHz	16QAM	41490	1RB#49	20.47	10.57	30.00	PASS
Band41	20MHz	16QAM	41490	50RB#0	19.38	9.48	30.00	PASS
Band41	20MHz	16QAM	41490	50RB#50	19.51	9.61	30.00	PASS
Band41	20MHz	16QAM	41490	50RB#25	19.37	9.47	30.00	PASS
Band41	20MHz	16QAM	41490	100RB#0	19.37	9.47	30.00	PASS
Band41	20MHz	64QAM	39750	1RB#0	19.53	9.63	30.00	PASS
Band41	20MHz	64QAM	39750	1RB#49	19.57	9.67	30.00	PASS
Band41	20MHz	64QAM	39750	1RB#99	19.45	9.55	30.00	PASS
Band41	20MHz	64QAM	39750	50RB#0	18.30	8.40	30.00	PASS
Band41	20MHz	64QAM	39750	50RB#25	18.55	8.65	30.00	PASS
Band41	20MHz	64QAM	39750	50RB#50	18.37	8.47	30.00	PASS
Band41	20MHz	64QAM	39750	100RB#0	18.39	8.49	30.00	PASS
Band41	20MHz	64QAM	40620	1RB#0	19.59	9.69	30.00	PASS
Band41	20MHz	64QAM	40620	1RB#99	19.33	9.43	30.00	PASS
Band41	20MHz	64QAM	40620	1RB#49	19.49	9.59	30.00	PASS
Band41	20MHz	64QAM	40620	50RB#0	18.39	8.49	30.00	PASS
Band41	20MHz	64QAM	40620	50RB#25	18.56	8.66	30.00	PASS
Band41	20MHz	64QAM	40620	50RB#50	18.54	8.64	30.00	PASS
Band41	20MHz	64QAM	40620	100RB#0	18.57	8.67	30.00	PASS
Band41	20MHz	64QAM	41490	1RB#0	19.50	9.60	30.00	PASS
Band41	20MHz	64QAM	41490	1RB#99	19.39	9.49	30.00	PASS
Band41	20MHz	64QAM	41490	1RB#49	19.44	9.54	30.00	PASS
Band41	20MHz	64QAM	41490	50RB#50	18.59	8.69	30.00	PASS
Band41	20MHz	64QAM	41490	50RB#25	18.33	8.43	30.00	PASS
Band41	20MHz	64QAM	41490	50RB#0	18.51	8.61	30.00	PASS
Band41	20MHz	64QAM	41490	100RB#0	18.34	8.44	30.00	PASS

Remark:

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

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

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



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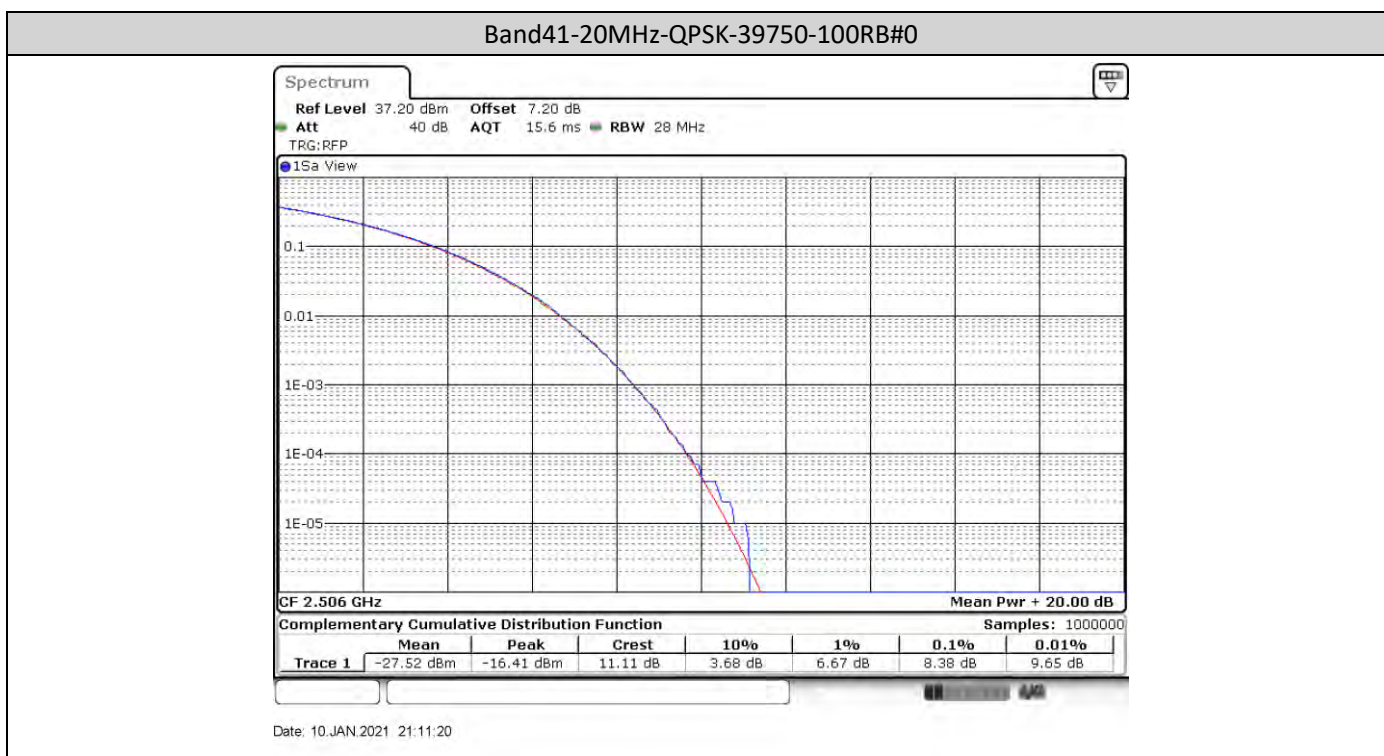


## 2. Peak-to-Average Ratio (CCDF)

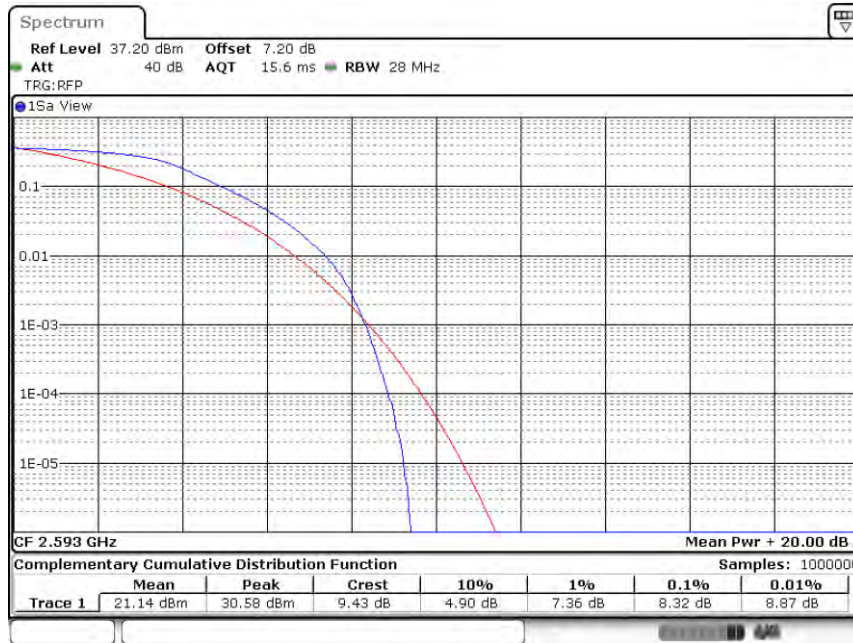
### 2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	20MHz	QPSK	39750	100RB#0	8.38	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	8.32	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	8.35	13	PASS
Band41	20MHz	64QAM	39750	100RB#0	8.32	13	PASS
Band41	20MHz	64QAM	40620	100RB#0	9.83	13	PASS
Band41	20MHz	64QAM	41490	100RB#0	9.97	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	9.45	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	9.19	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	9.16	13	PASS

### 2.2. Test Plots

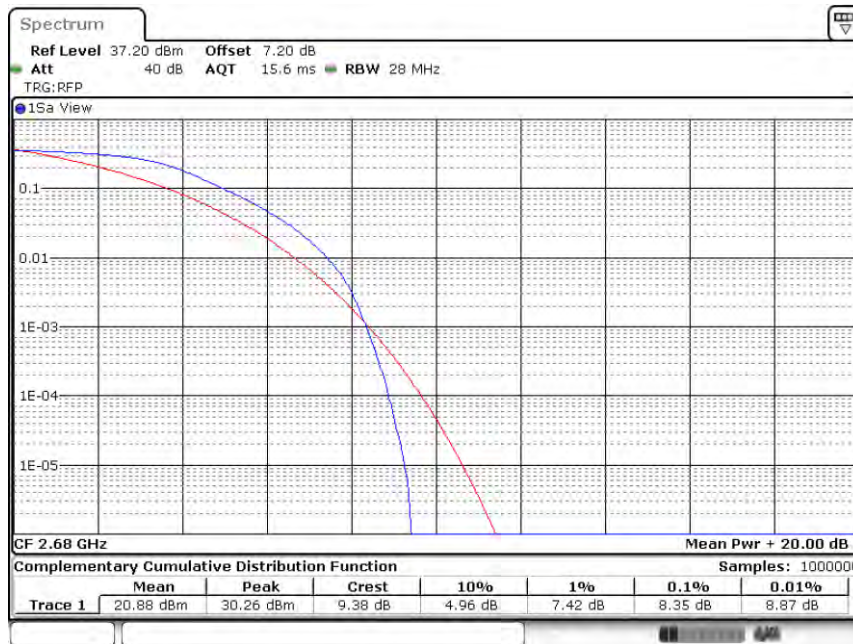


**Band41-20MHz-QPSK-40620-100RB#0**



Date: 10.JAN 2021 21:11:43

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

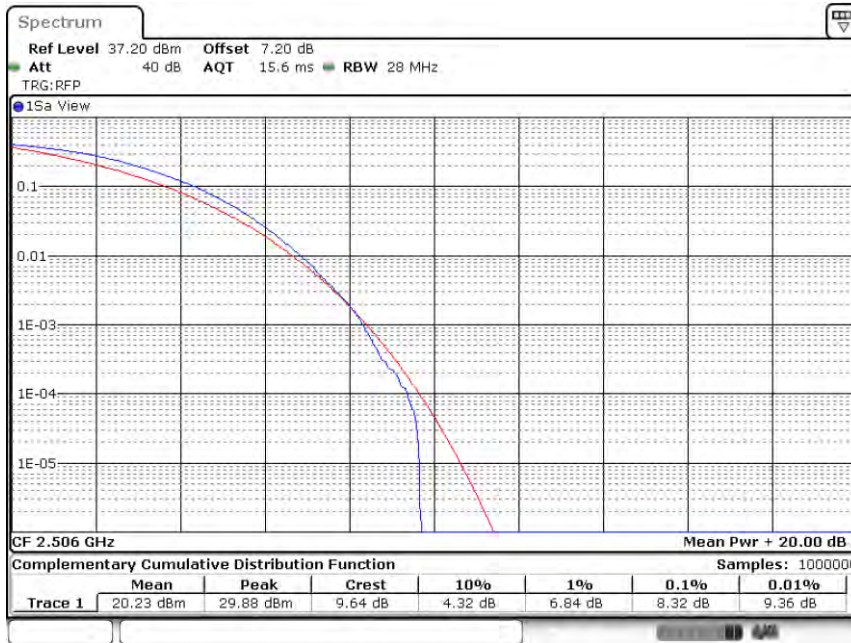


Date: 10.JAN 2021 21:12:06



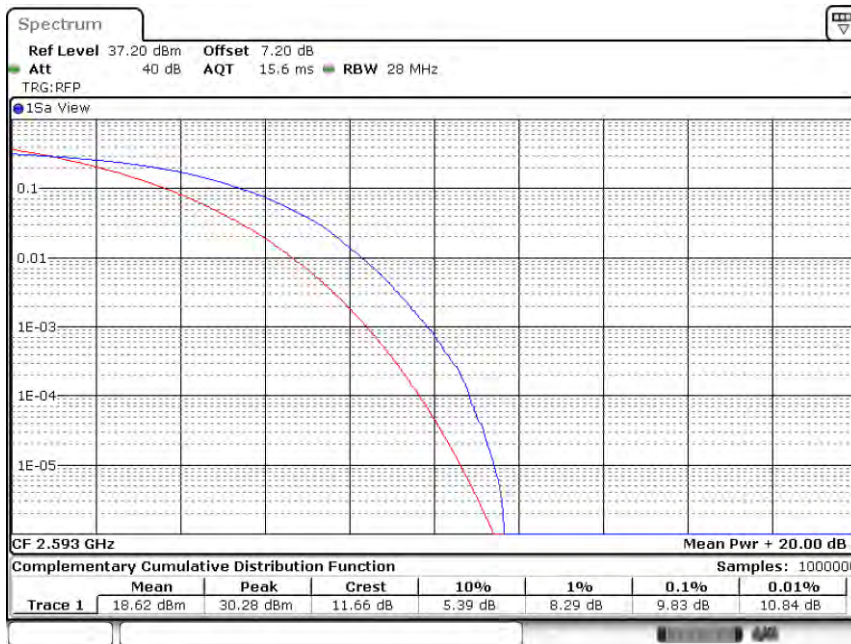
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**Band41-20MHz-64QAM-39750-100RB#0**



Date: 11 JAN 2021 08:38:10

**Band41-20MHz-64QAM-40620-100RB#0**

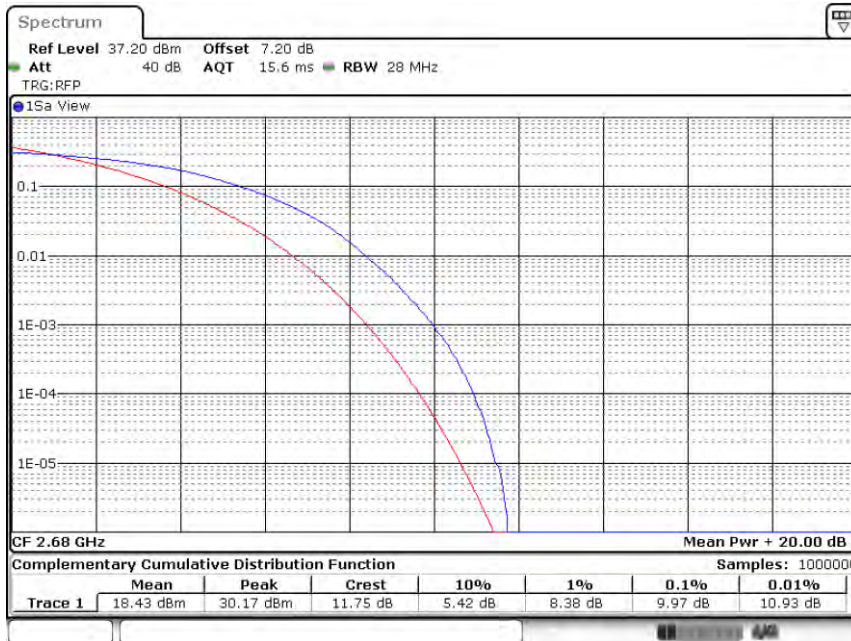


Date: 11 JAN 2021 08:38:21



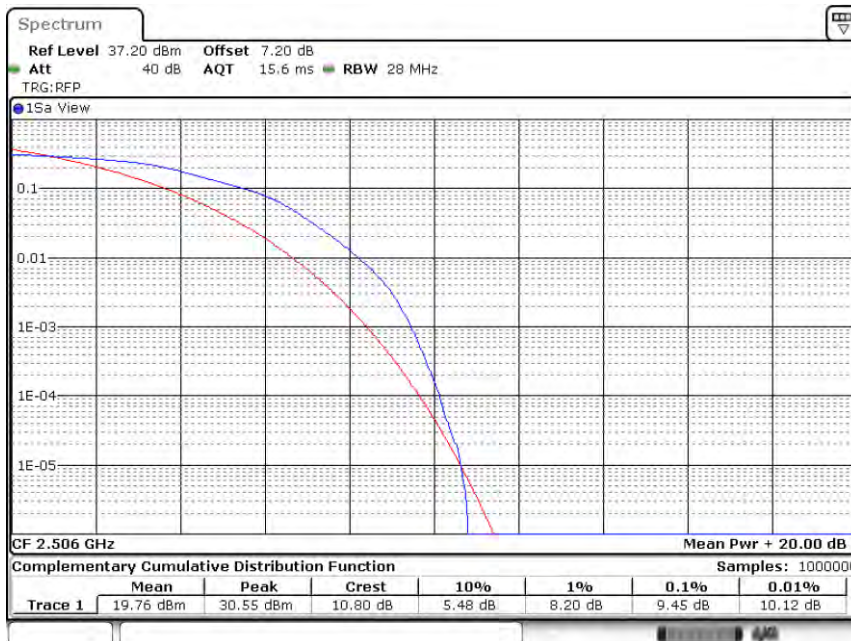
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**Band41-20MHz-64QAM-41490-100RB#0**



Date: 11 JAN 2021 08:38:32

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

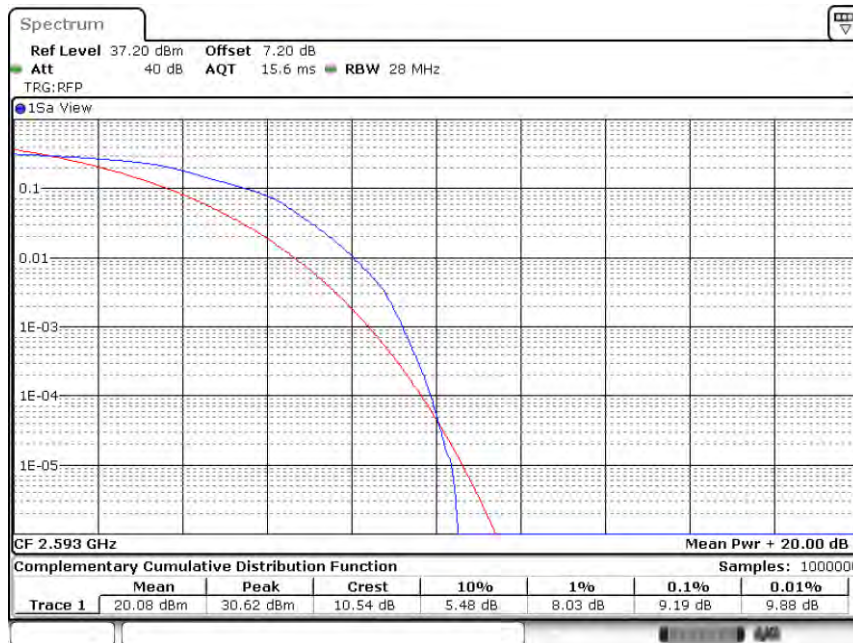


Date: 10 JAN 2021 21:11:31



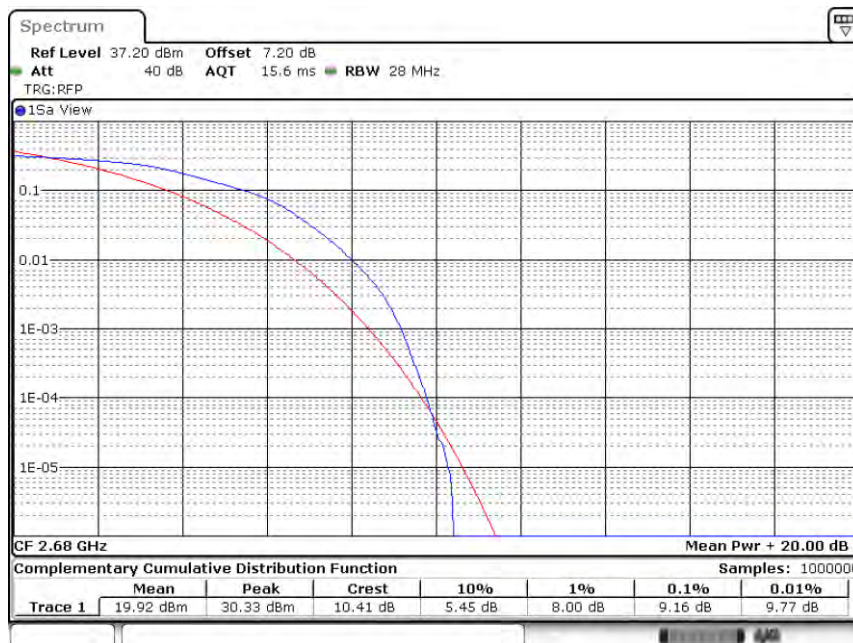
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**Band41-20MHz-16QAM-40620-100RB#0**



Date: 10.JAN 2021 21:11:54

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



Date: 10.JAN 2021 21:12:17

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



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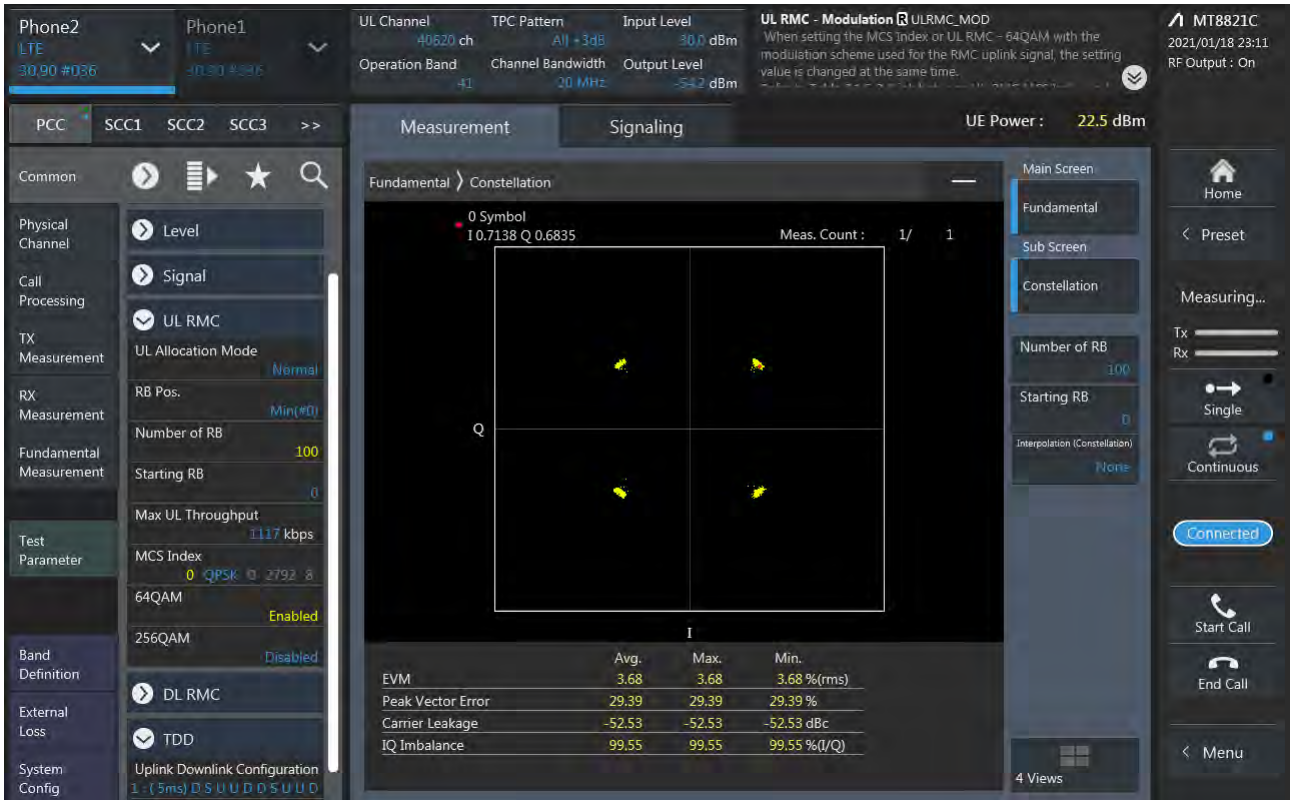
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### 3. Modulation Characteristics

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

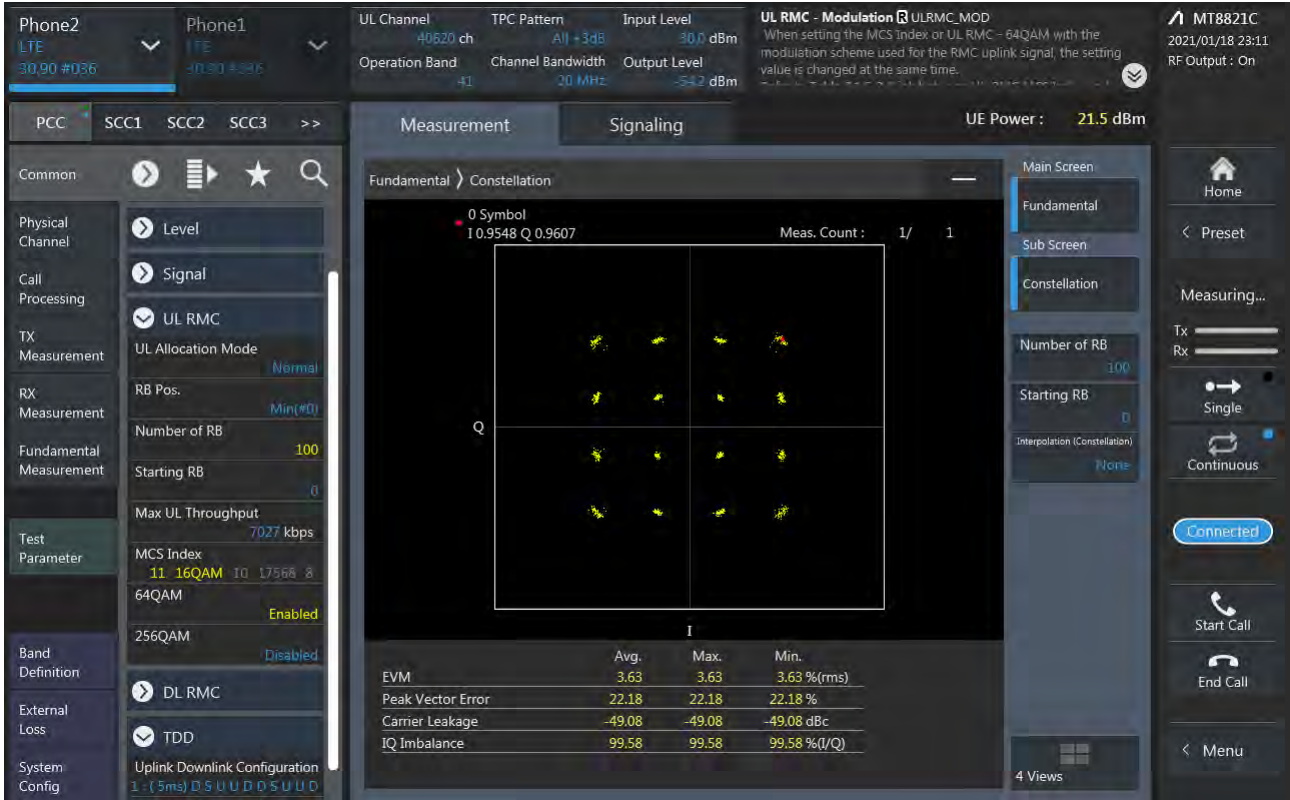
##### 3.1.1. Test Channel = MCH





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

#### 3.2.1. Test Channel = MCH



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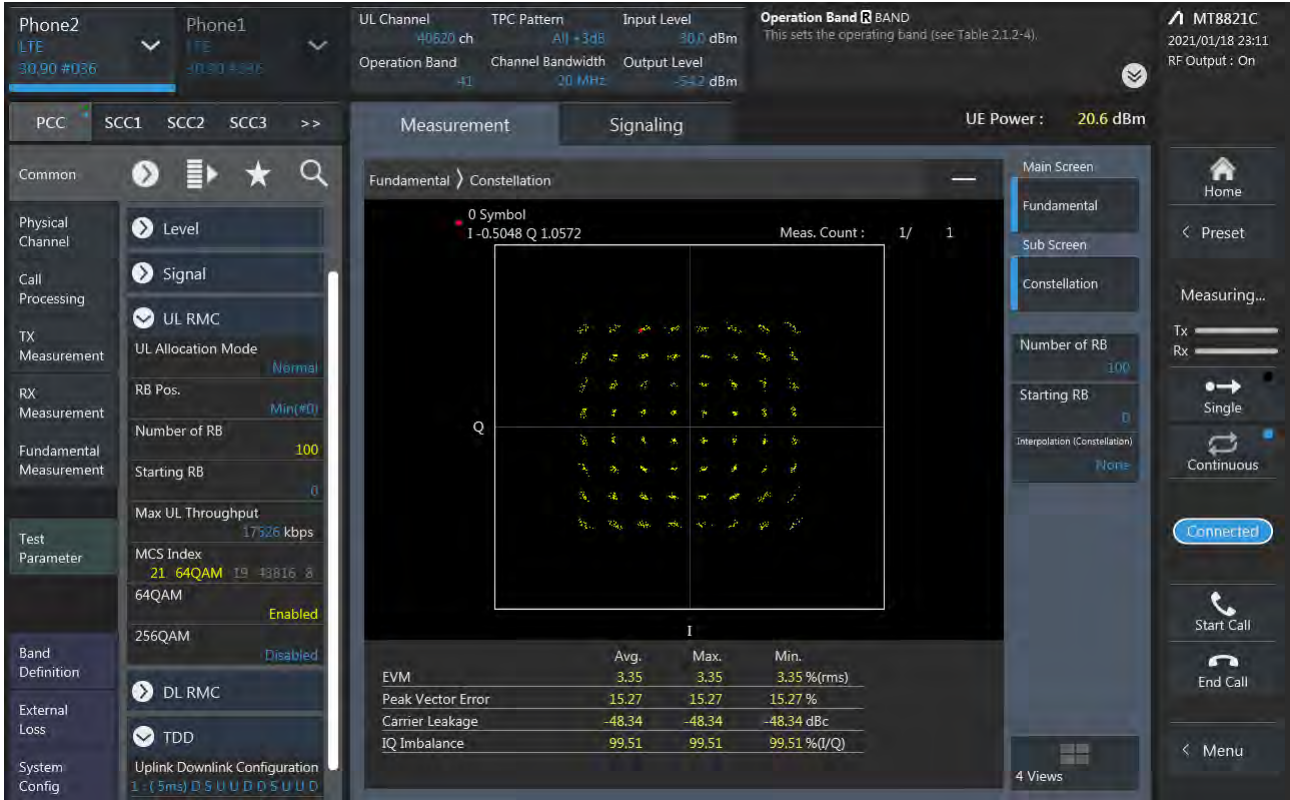
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### 3.3. Test Mode = LTE /TM3 20MHz

#### 3.3.1. Test Channel = MCH





## 4. 26dB Bandwidth and Occupied Bandwidth

### 4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	4.466	4.930	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.466	4.950	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.476	4.950	PASS
Band41	5MHz	64QAM	39675	25RB#0	4.486	5.030	PASS
Band41	5MHz	64QAM	40620	25RB#0	4.466	4.870	PASS
Band41	5MHz	64QAM	41565	25RB#0	4.476	5.050	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.496	5.010	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.486	4.910	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.505	5.030	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.911	9.720	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.911	9.660	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.911	9.660	PASS
Band41	10MHz	64QAM	39700	50RB#0	8.951	9.860	PASS
Band41	10MHz	64QAM	40620	50RB#0	8.951	9.700	PASS
Band41	10MHz	64QAM	41540	50RB#0	8.931	9.860	PASS
Band41	10MHz	16QAM	39700	50RB#0	8.911	9.720	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.931	9.760	PASS
Band41	10MHz	16QAM	41540	50RB#0	8.931	9.700	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.487	15.780	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.487	15.840	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.487	15.750	PASS
Band41	15MHz	64QAM	39725	75RB#0	13.457	15.390	PASS
Band41	15MHz	64QAM	40620	75RB#0	13.487	16.230	PASS
Band41	15MHz	64QAM	41515	75RB#0	13.457	15.030	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.457	16.950	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.487	15.540	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.457	16.860	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.822	19.360	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.902	21.760	PASS
Band41	20MHz	QPSK	41490	100RB#0	17.942	21.360	PASS
Band41	20MHz	64QAM	39750	100RB#0	17.822	19.360	PASS



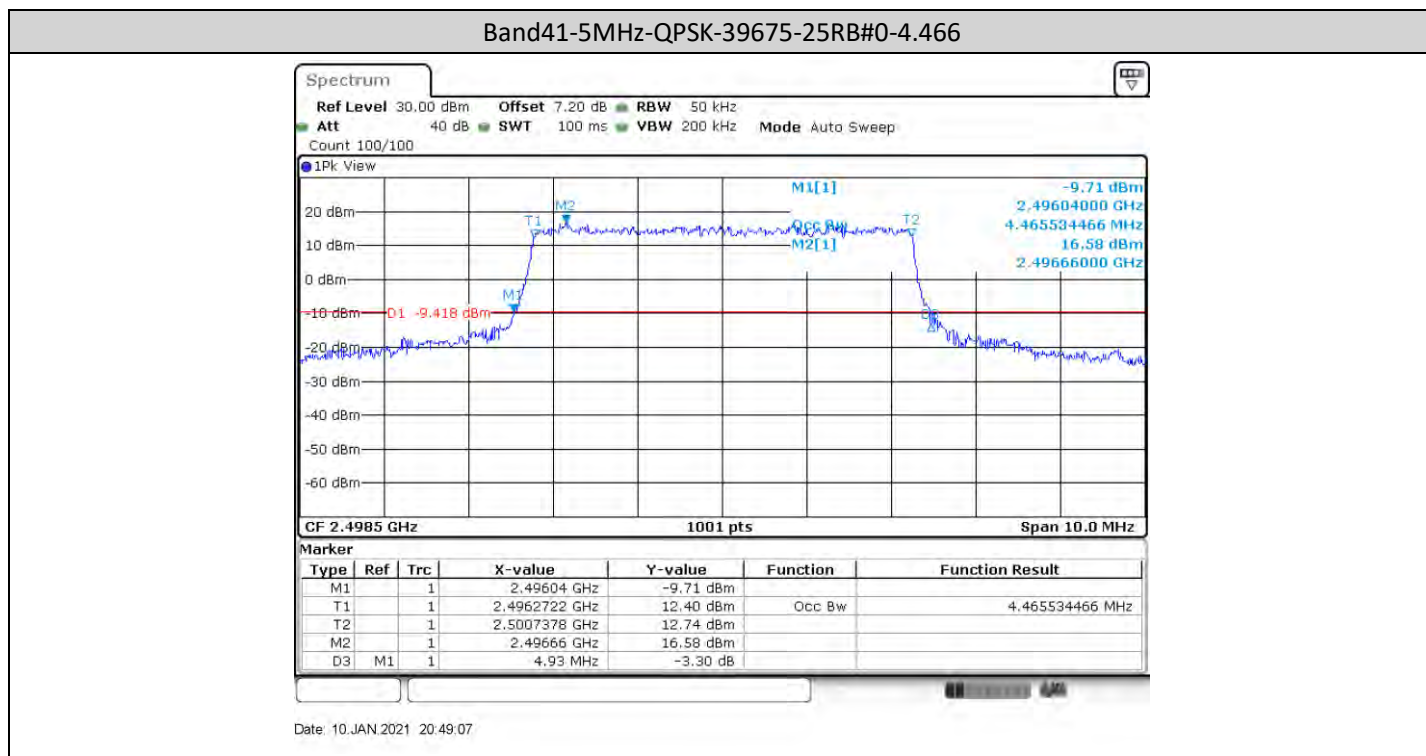
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Band41	20MHz	64QAM	40620	100RB#0	17.902	19.800	PASS
Band41	20MHz	64QAM	41490	100RB#0	17.902	19.720	PASS
Band41	20MHz	16QAM	39750	100RB#0	17.822	19.320	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.902	19.440	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.902	19.480	PASS

## 4.2. Test Plots

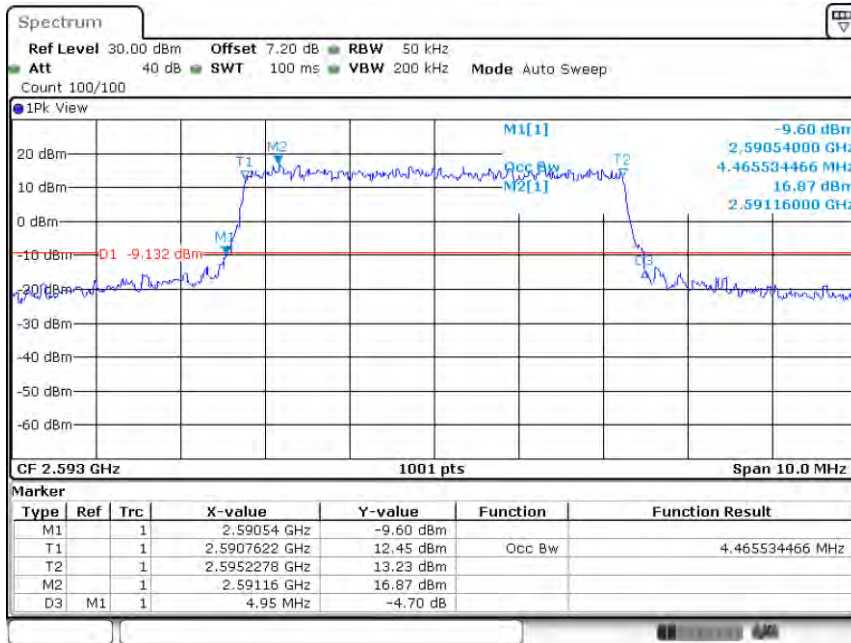


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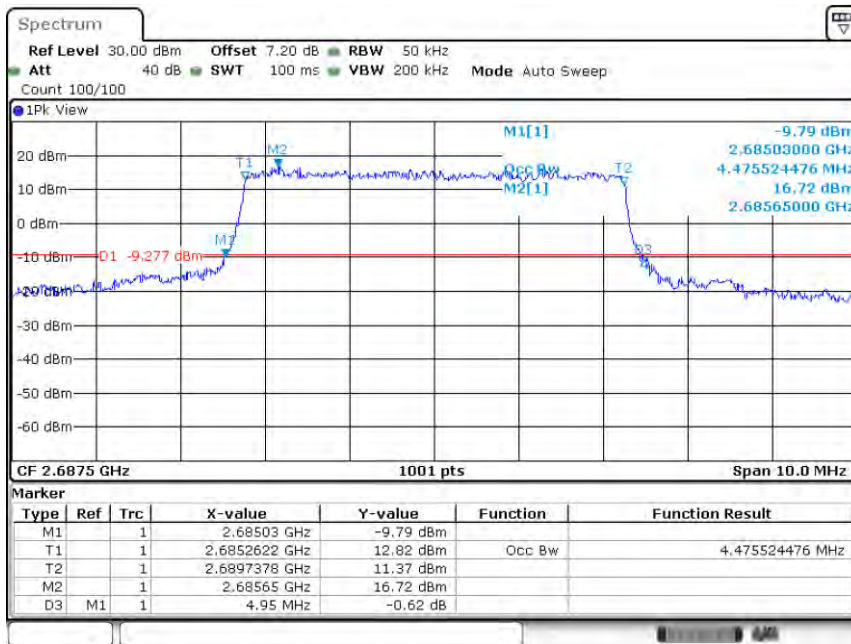
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**Band41-5MHz-QPSK-40620-25RB#0-4.466**



Date: 10.JAN.2021 20:49:46

**Band41-5MHz-QPSK-41565-25RB#0-4.476**

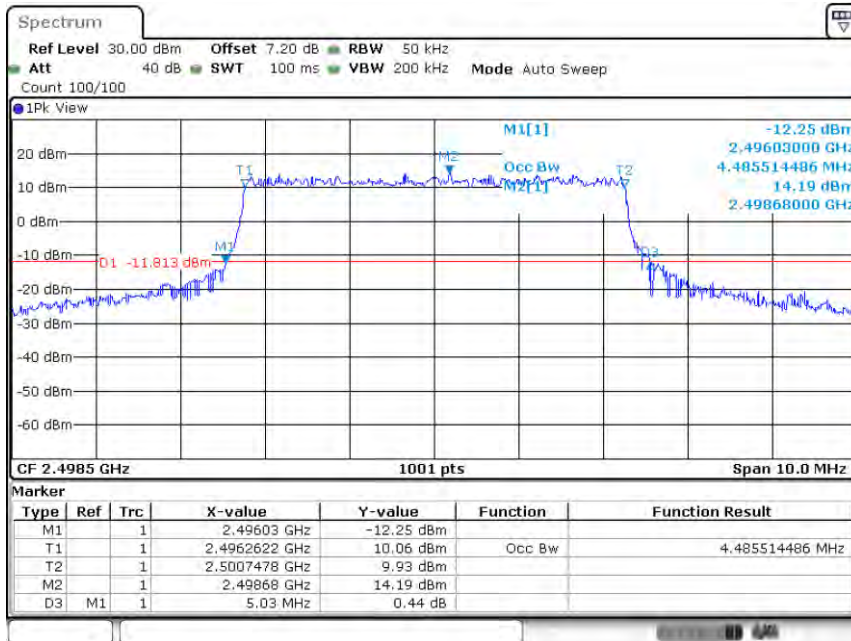


Date: 10.JAN.2021 20:50:26



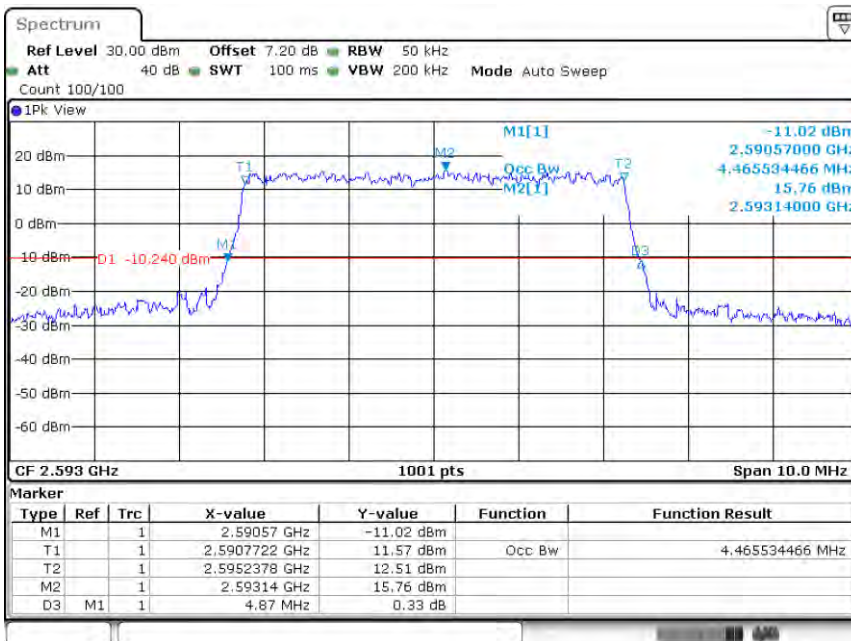
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**Band41-5MHz-64QAM-39675-25RB#0-4.486**



Date: 11.JAN.2021 08:24:41

**Band41-5MHz-64QAM-40620-25RB#0-4.486**



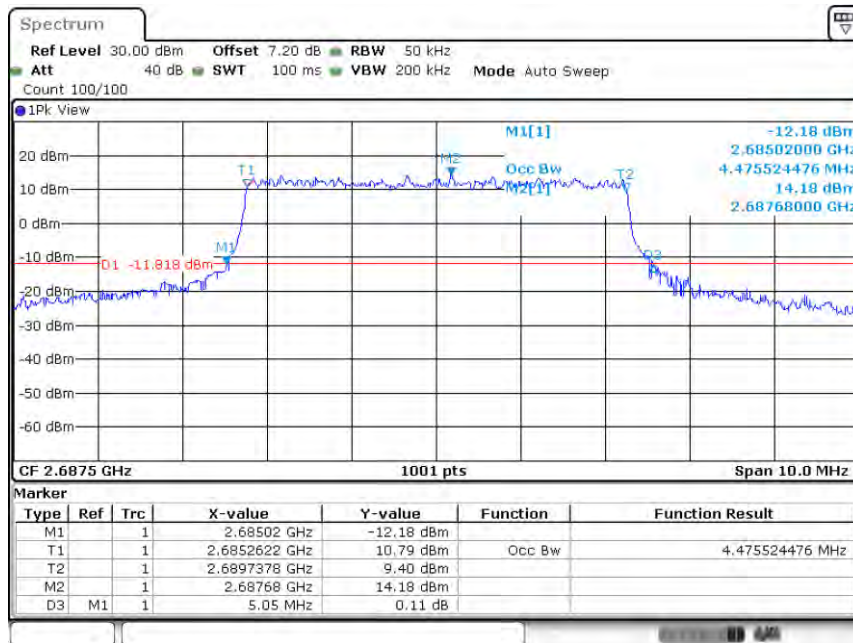
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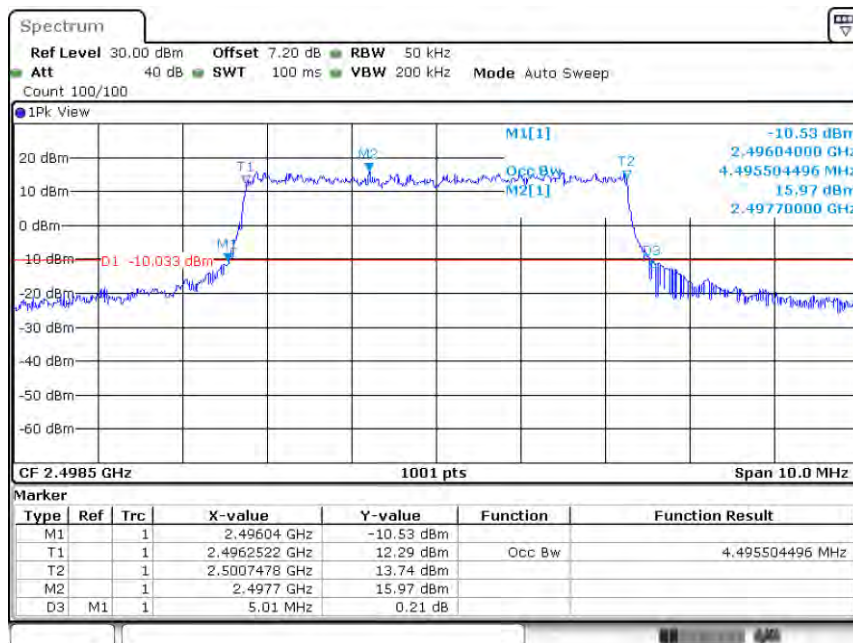


**Band41-5MHz-64QAM-41565-25RB#0-4.476**



Date: 11.JAN.2021 08:25:21

**Band41-5MHz-16QAM-39675-25RB#0-4.496**



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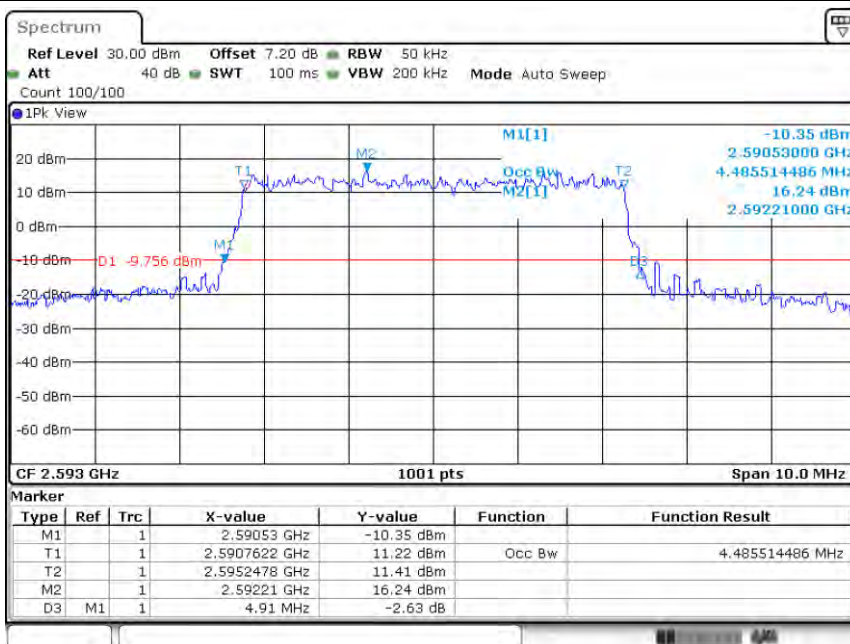
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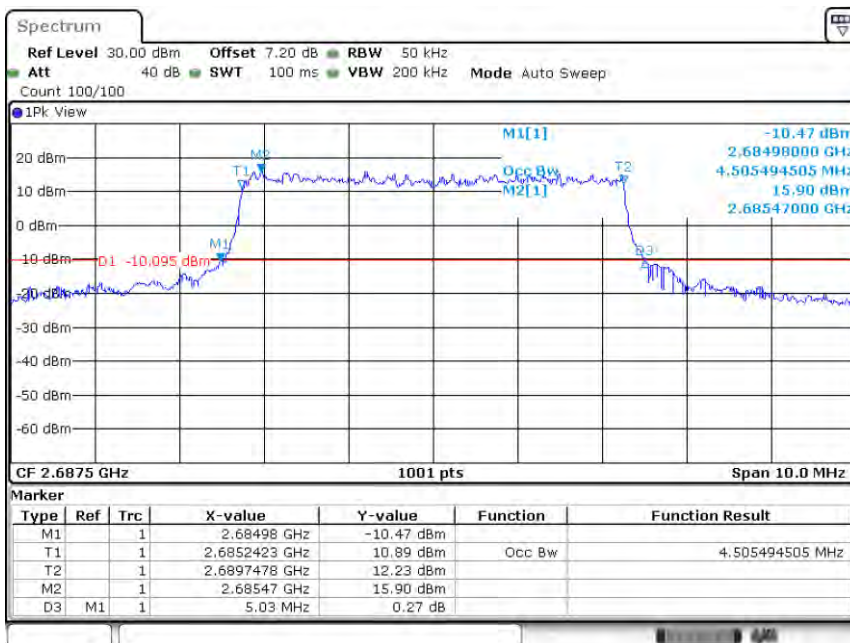


Band41-5MHz-16QAM-40620-25RB#0-4.486



Date: 10.JAN.2021 20:50:06

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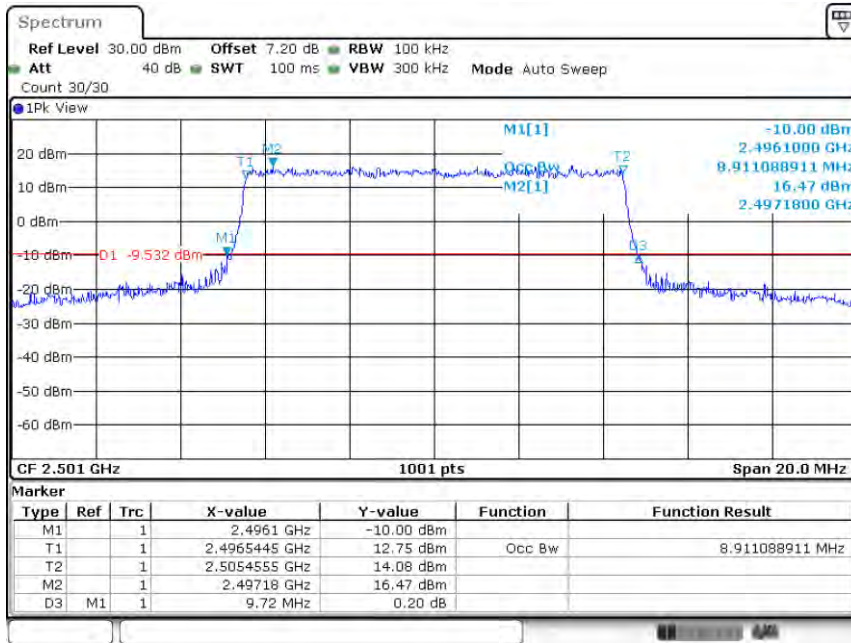


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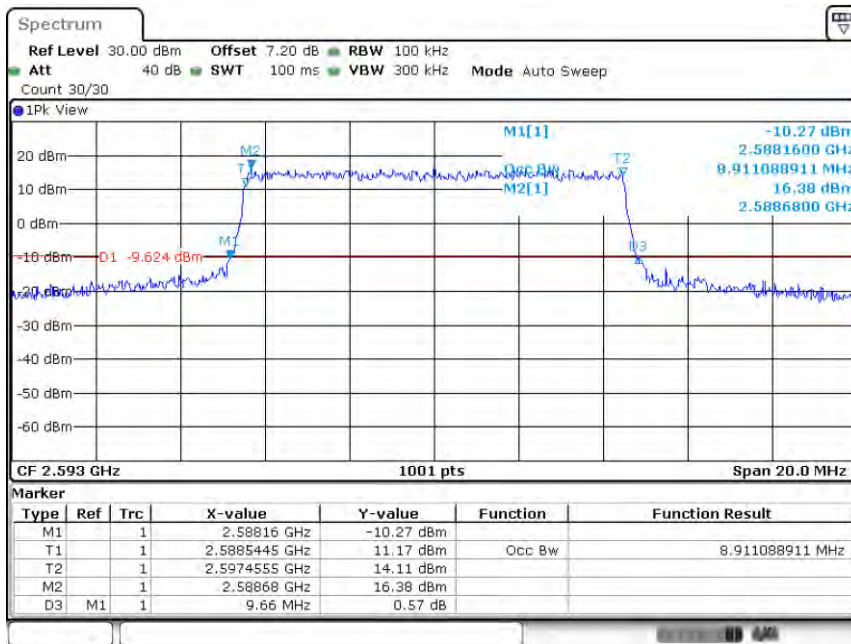
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**Band41-10MHz-QPSK-39700-50RB#0-8.911**



Date: 10.JAN.2021 20:51:03

**Band41-10MHz-QPSK-40620-50RB#0-8.911**



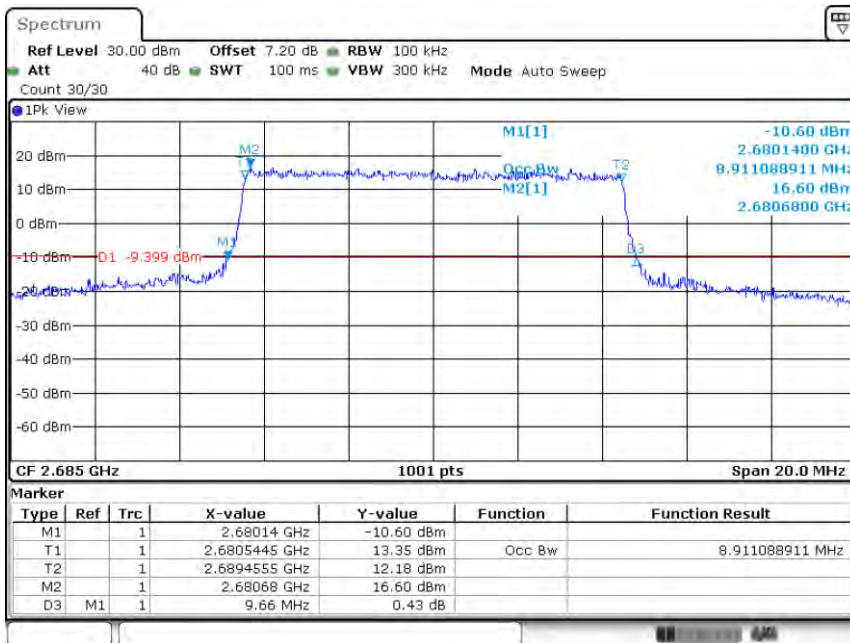
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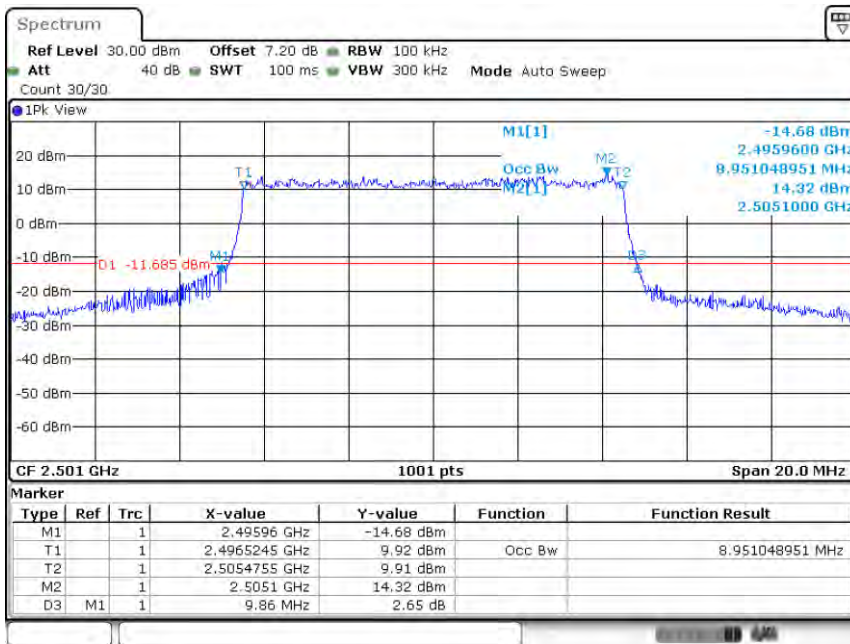


Band41-10MHz-QPSK-41540-50RB#0-8.911



Date: 10.JAN.2021 20:51:54

Band41-10MHz-64QAM-39700-50RB#0-8.951



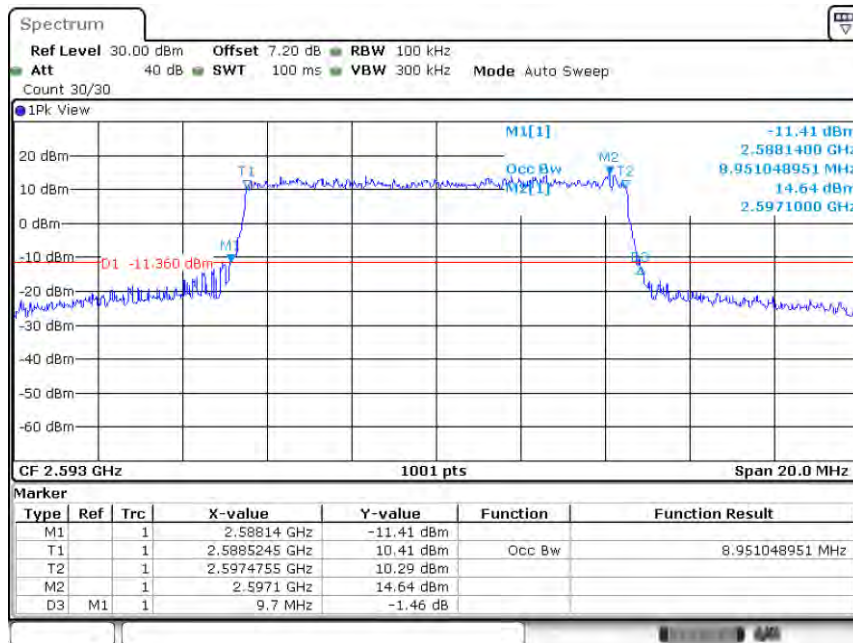
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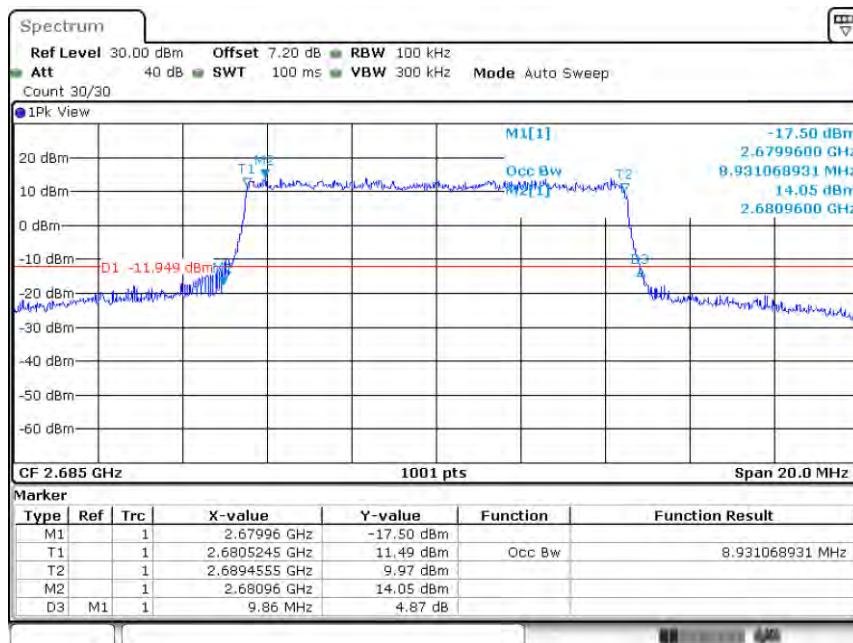


Band41-10MHz-64QAM-40620-50RB#0-8.951



Date: 11. JAN 2021 08:25:52

Band41-10MHz-64QAM-41540-50RB#0-8.931



Date: 11. JAN 2021 08:26:05

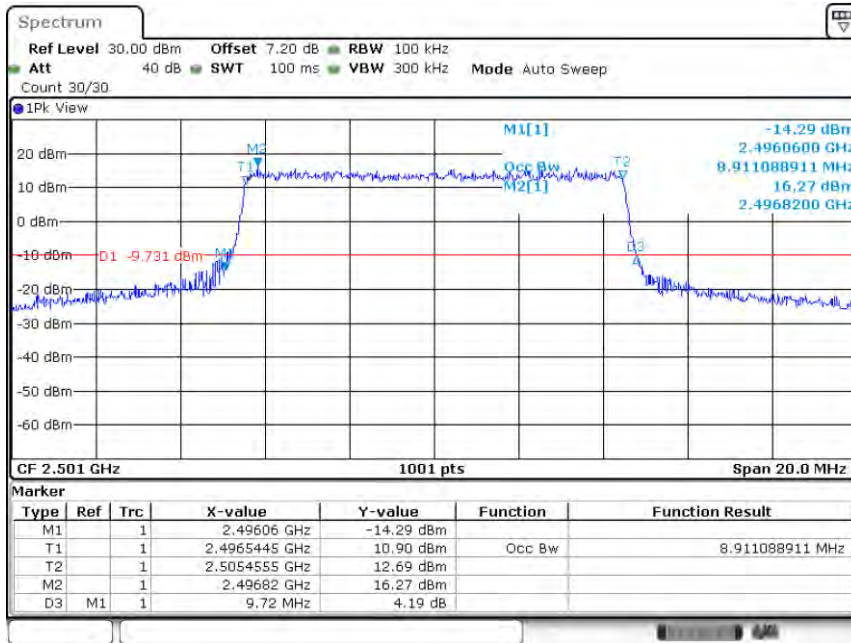


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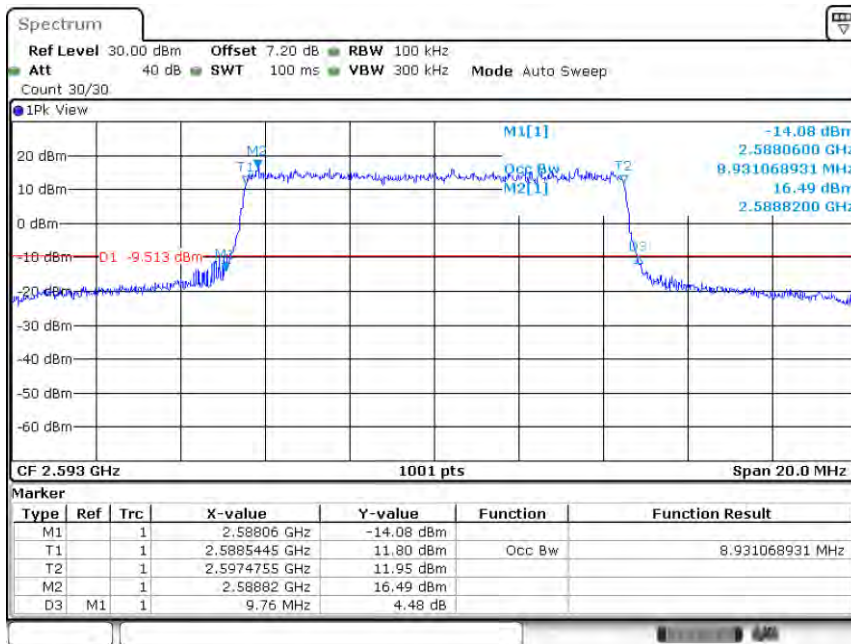
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**Band41-10MHz-16QAM-39700-50RB#0-8.911**



Date: 10.JAN 2021 20:51:16

**Band41-10MHz-16QAM-40620-50RB#0-8.931**

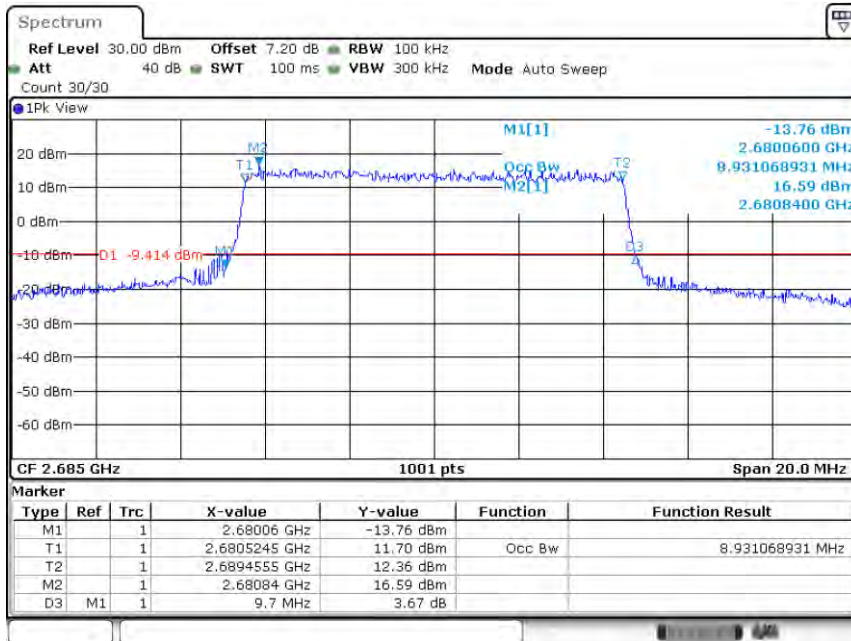


Date: 10.JAN 2021 20:51:41



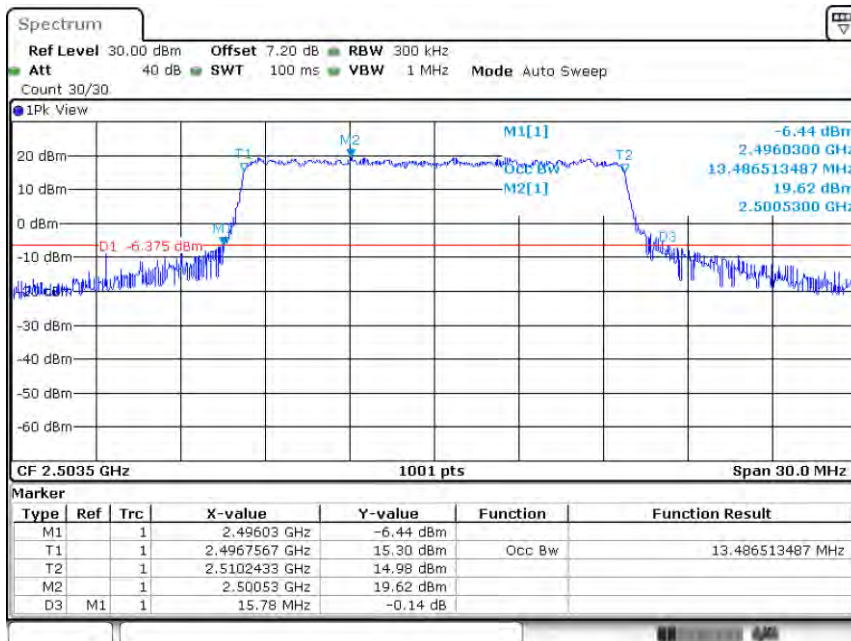
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**Band41-10MHz-16QAM-41540-50RB#0-8.931**



Date: 10.JAN 2021 20:52:07

**Band41-15MHz-QPSK-39725-75RB#0-13.487**



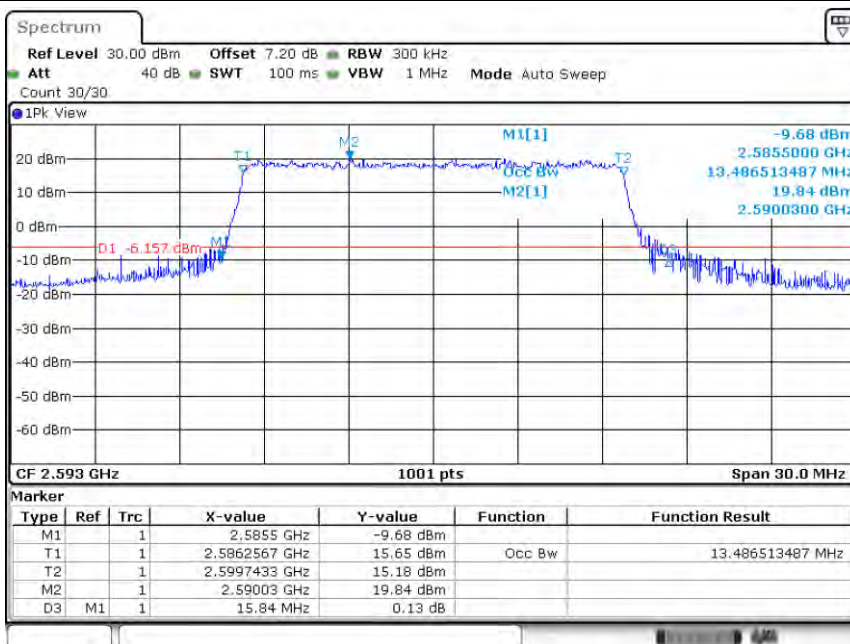
Date: 10.JAN 2021 20:52:24



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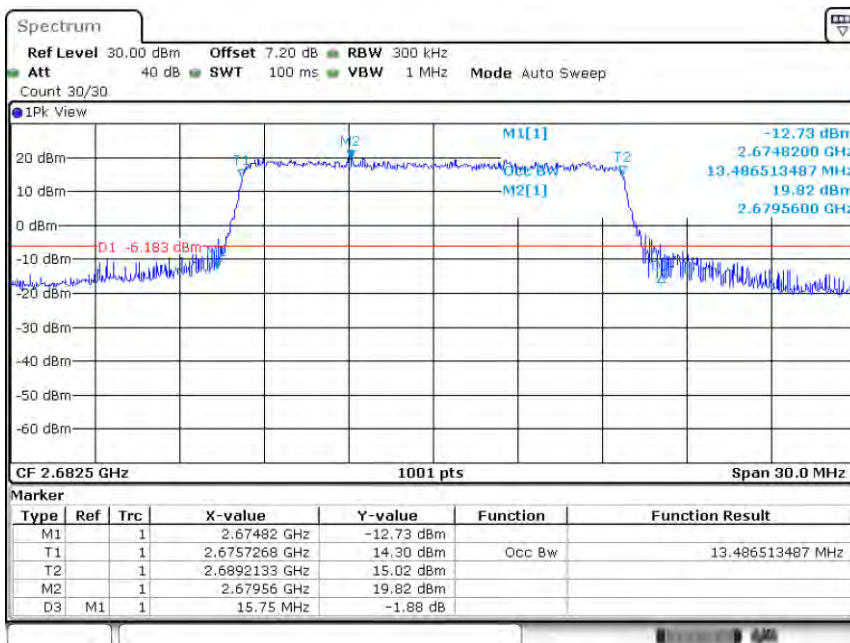


**Band41-15MHz-QPSK-40620-75RB#0-13.487**



Date: 10.JAN.2021 20:52:50

**Band41-15MHz-QPSK-41515-75RB#0-13.487**



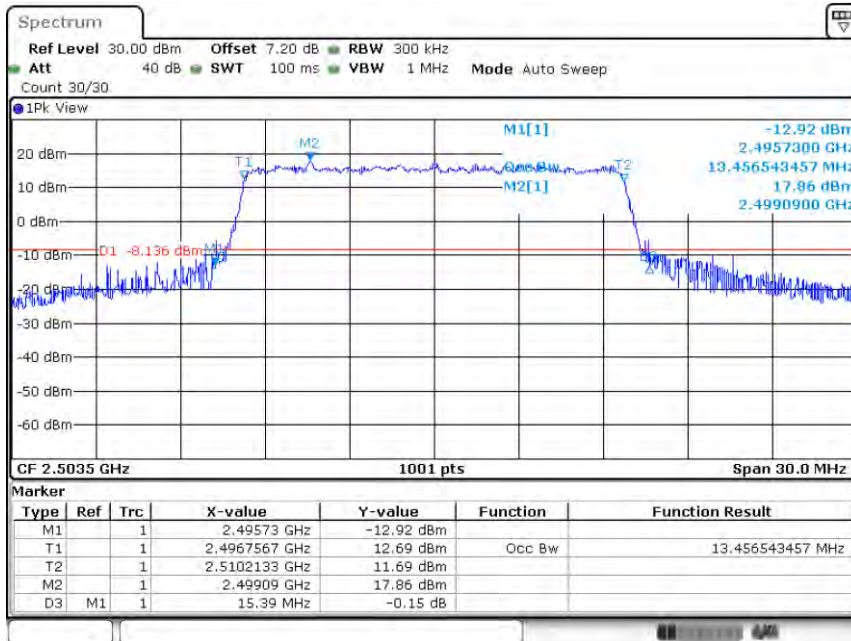
Date: 10.JAN.2021 20:53:16



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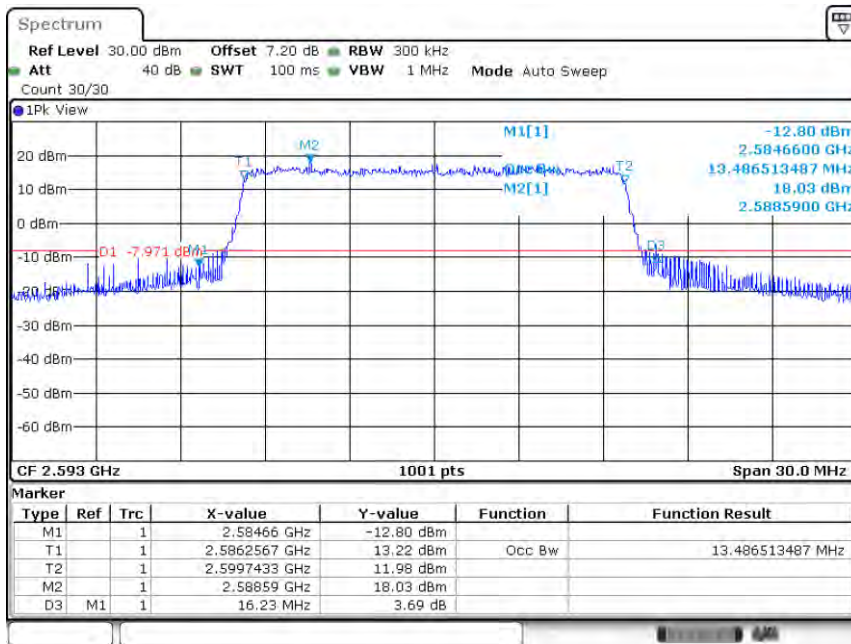


**Band41-15MHz-64QAM-39725-75RB#0-13.457**



Date: 11. JAN 2021 08:26:22

**Band41-15MHz-64QAM-40620-75RB#0-13.487**



Date: 11. JAN 2021 08:26:35

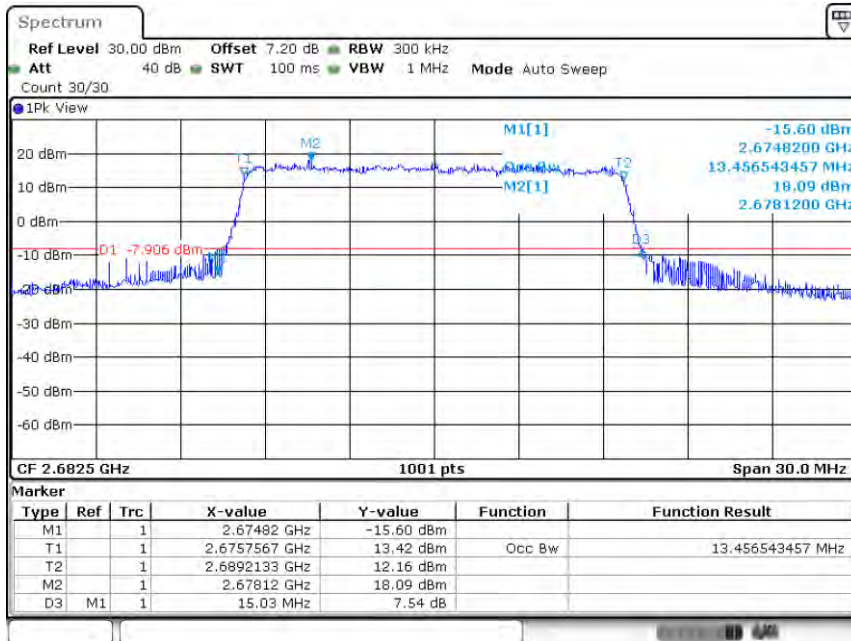


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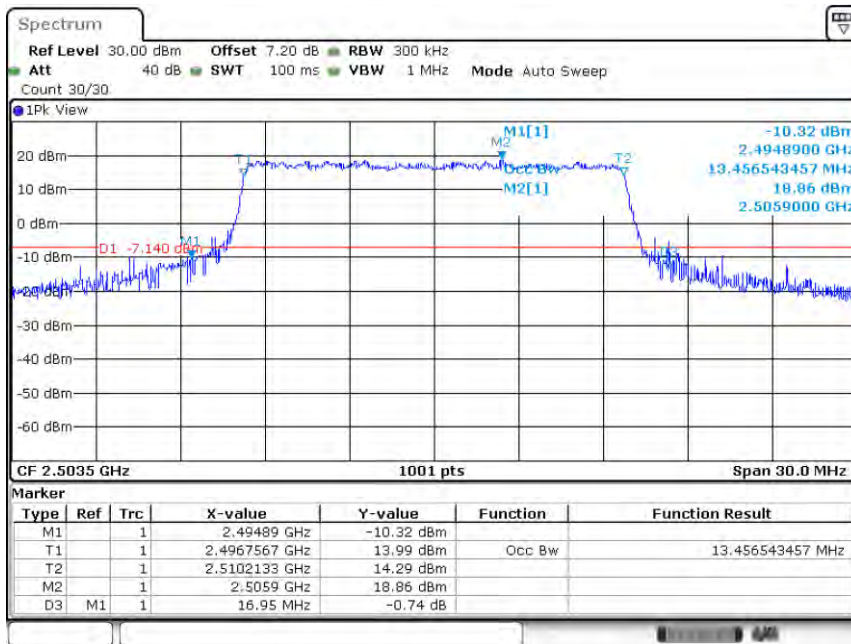


Band41-15MHz-64QAM-41515-75RB#0-13.457



Date: 11.JAN.2021 08:26:48

Band41-15MHz-16QAM-39725-75RB#0-13.457



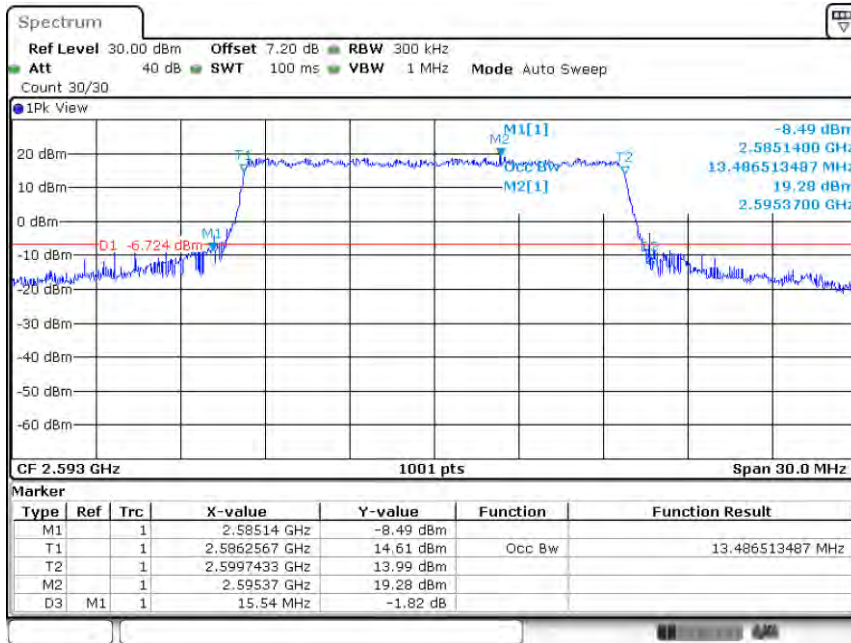
Date: 10.JAN.2021 20:52:37



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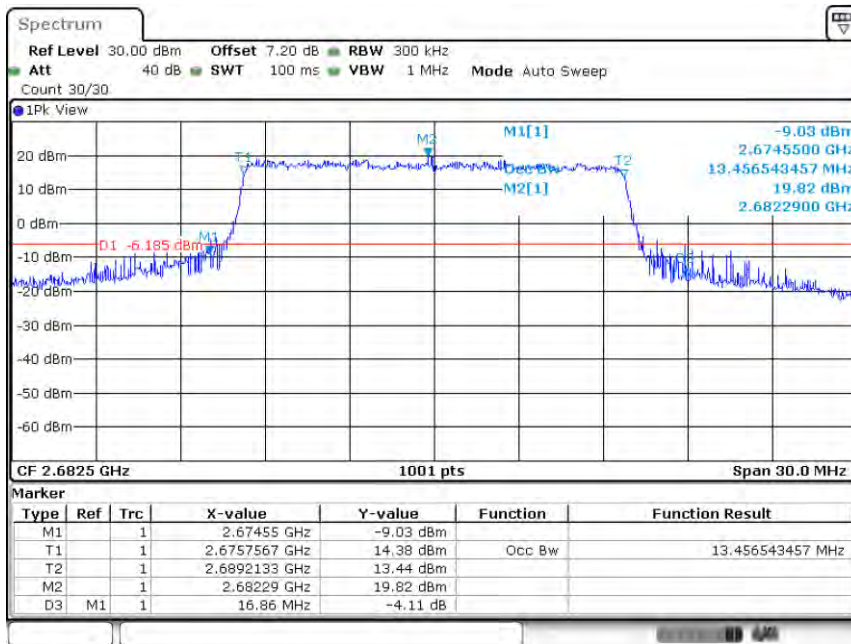


**Band41-15MHz-16QAM-40620-75RB#0-13.487**



Date: 10.JAN.2021 20:53:03

**Band41-15MHz-16QAM-41515-75RB#0-13.457**



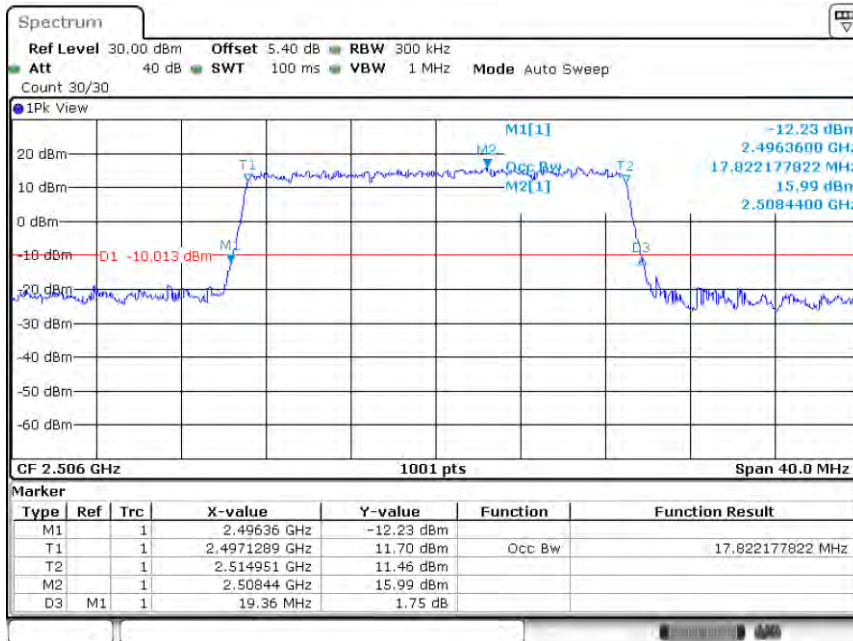
Date: 10.JAN.2021 20:53:28



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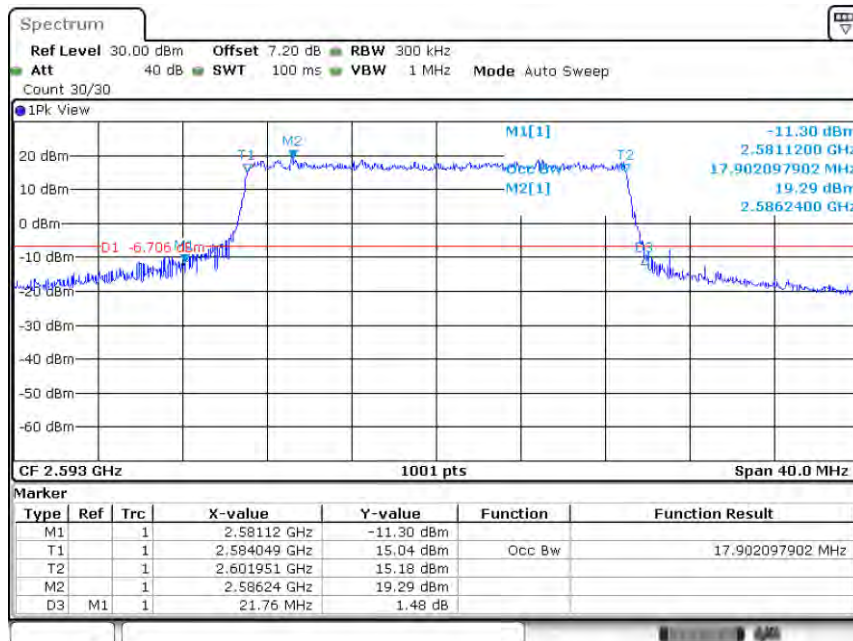


Band41-20MHz-QPSK-39750-100RB#0-17.822



Date: 27.JAN.2021 13:55:10

Band41-20MHz-QPSK-40620-100RB#0-17.902



Date: 10.JAN.2021 20:54:12



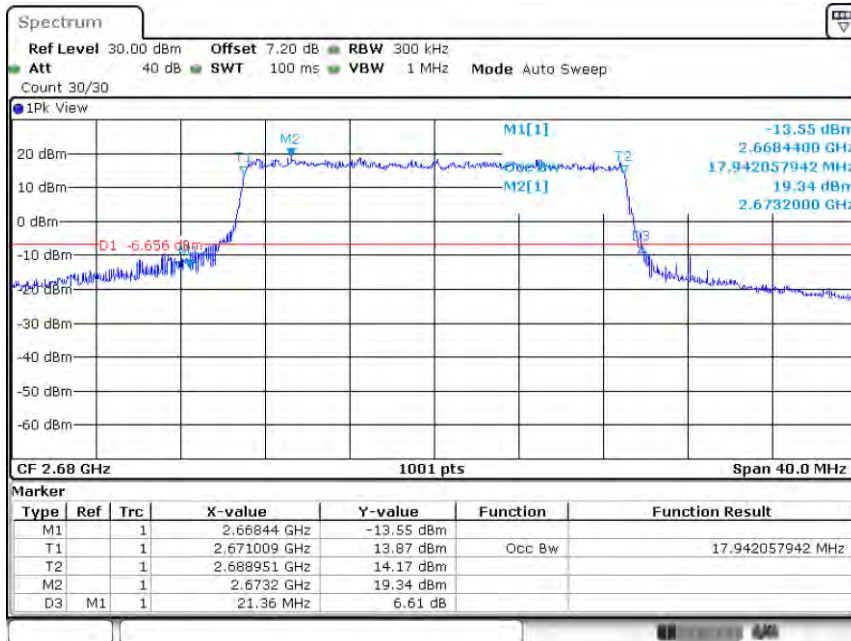
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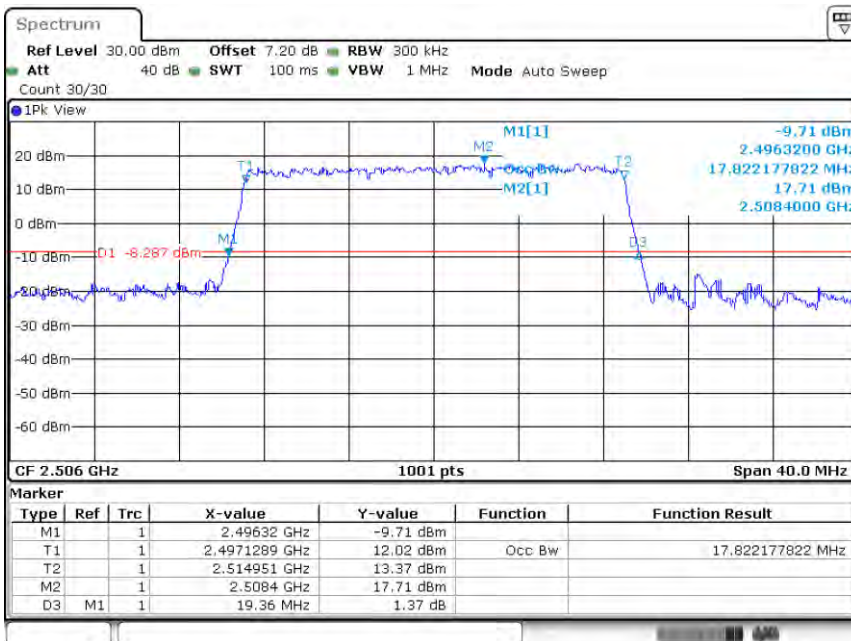


Band41-20MHz-QPSK-41490-100RB#0-17.942



Date: 10.JAN 2021 20:54:42

Band41-20MHz-64QAM-39750-100RB#0-17.942

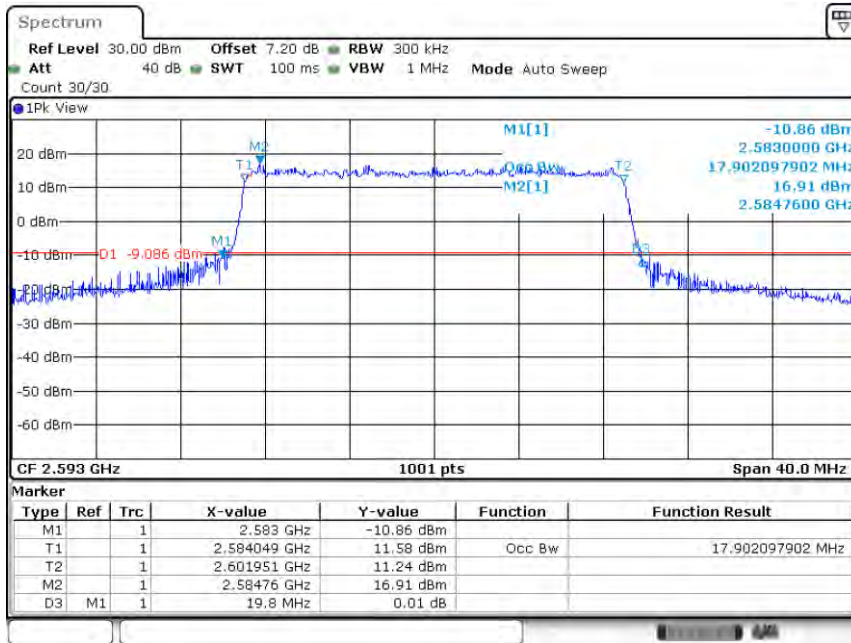


Date: 27.JAN 2021 14:39:07



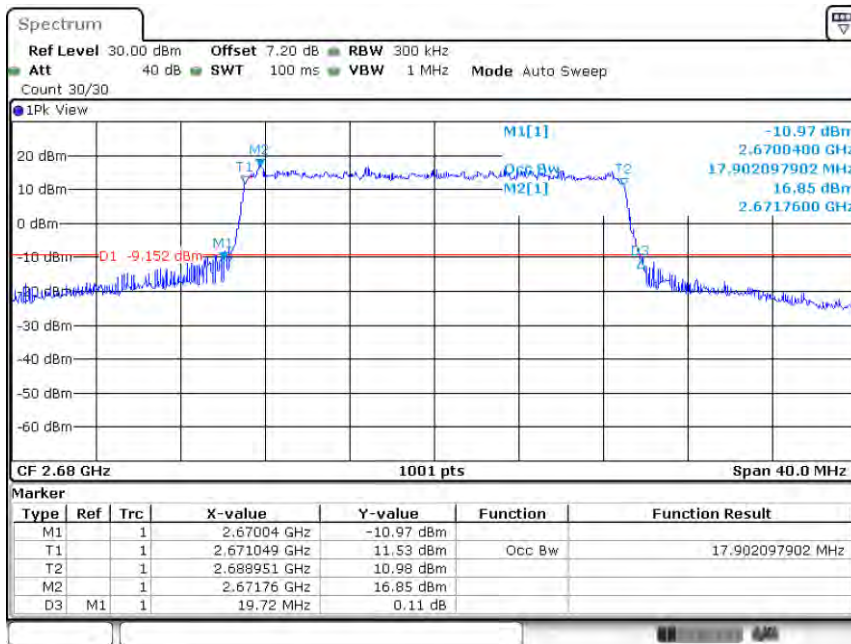
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**Band41-20MHz-64QAM-40620-100RB#0-17.902**



Date: 11.JAN.2021 08:27:19

**Band41-20MHz-64QAM-41490-100RB#0-17.902**



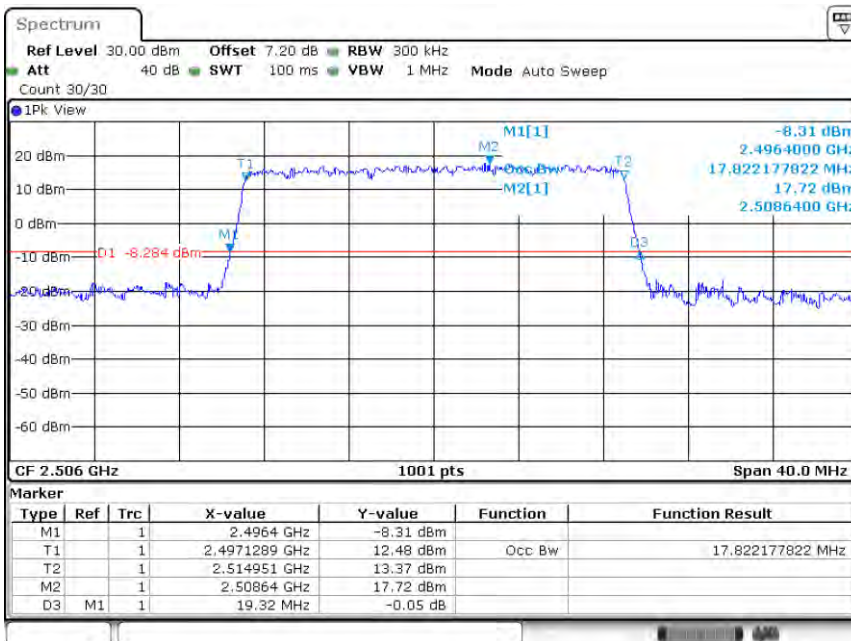
Date: 11.JAN.2021 08:27:32



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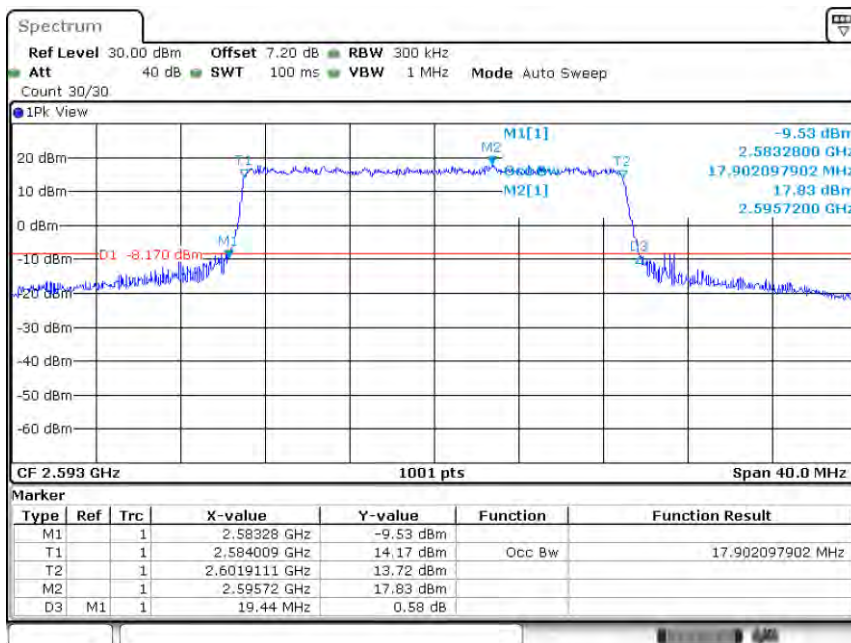


Band41-20MHz-16QAM-39750-100RB#0-17.822



Date: 27. JAN 2021 14:14:49

Band41-20MHz-16QAM-40620-100RB#0-17.902



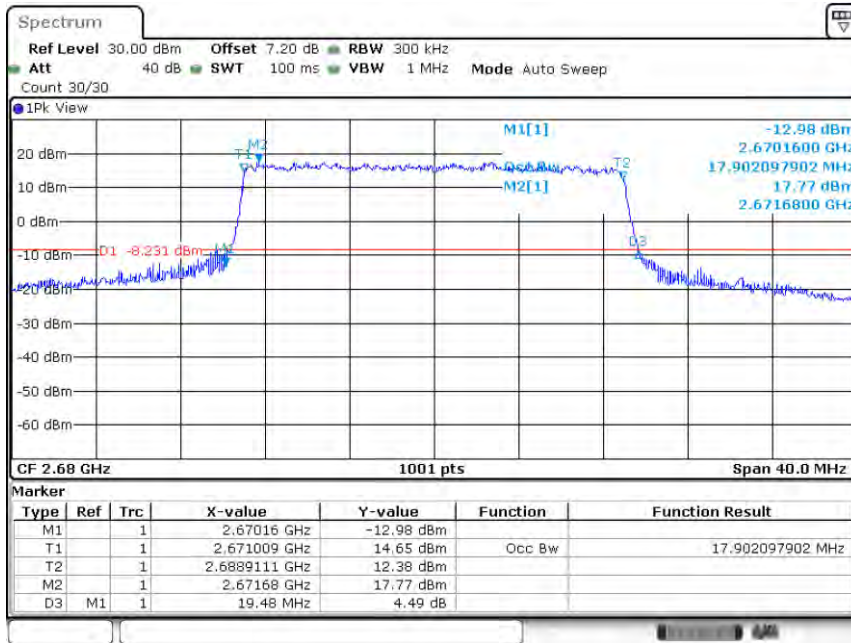
Date: 10. JAN 2021 20:54:29



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Band41-20MHz-16QAM-41490-100RB#0-17.902



Date: 10.JAN.2021 20:54:54

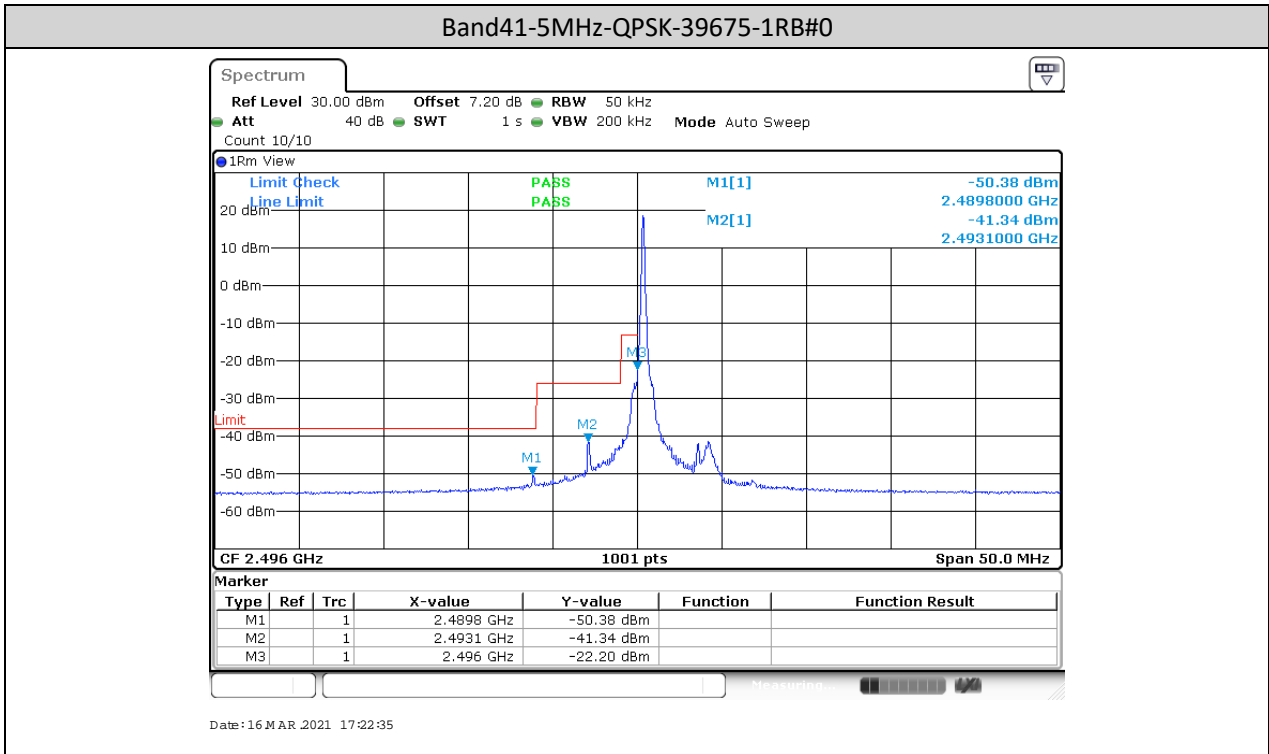


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## 5. Band Edge Compliance

### 5.1. Test Plots

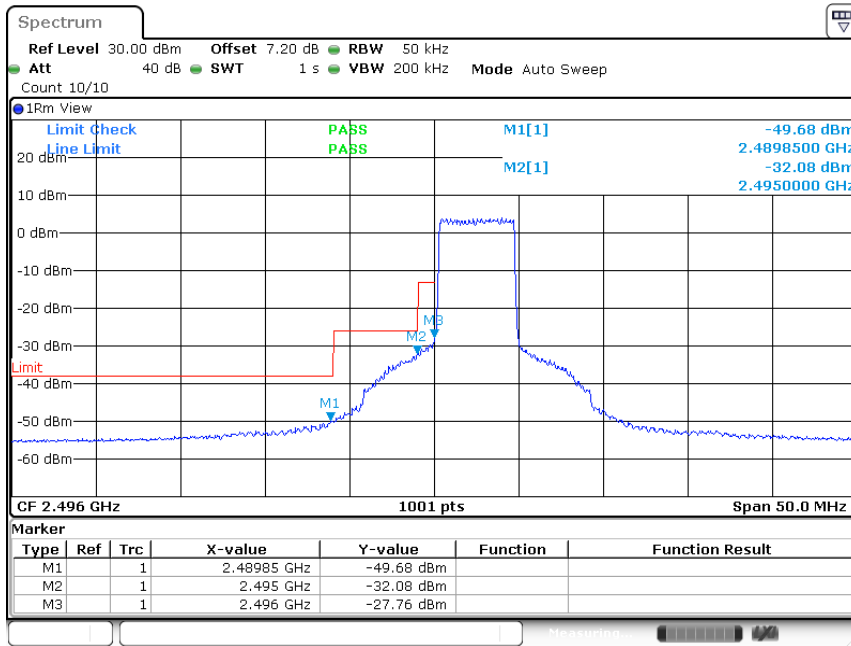


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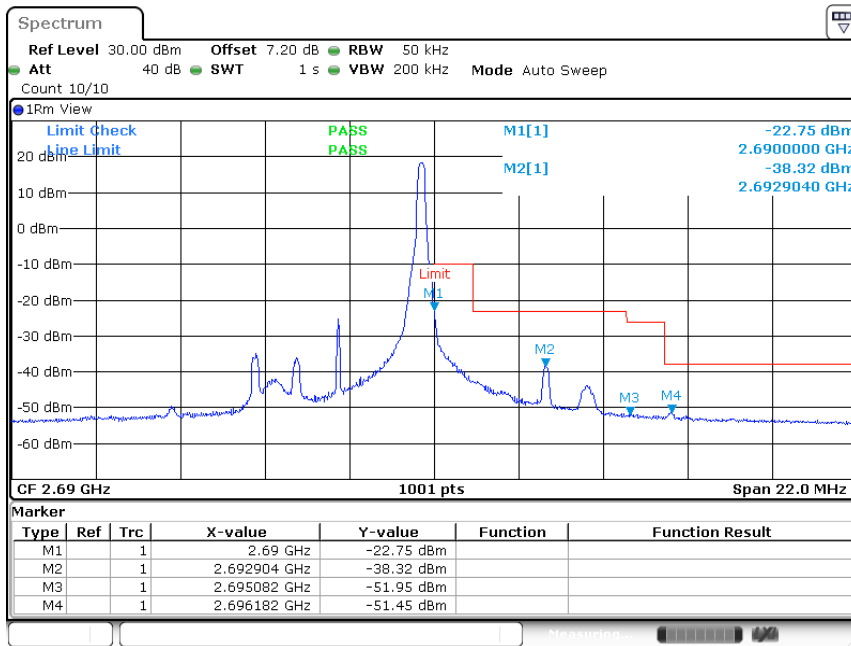


**Band41-5MHz-QPSK-39675-25RB#0**



Date: 16 MAR 2021 17:23:40

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

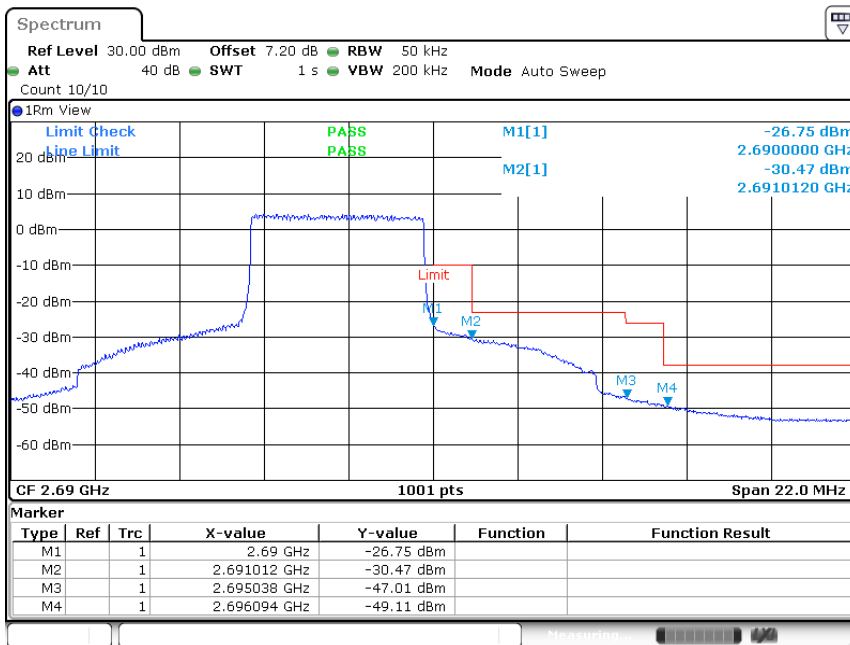


Date: 16 MAR 2021 17:24:43



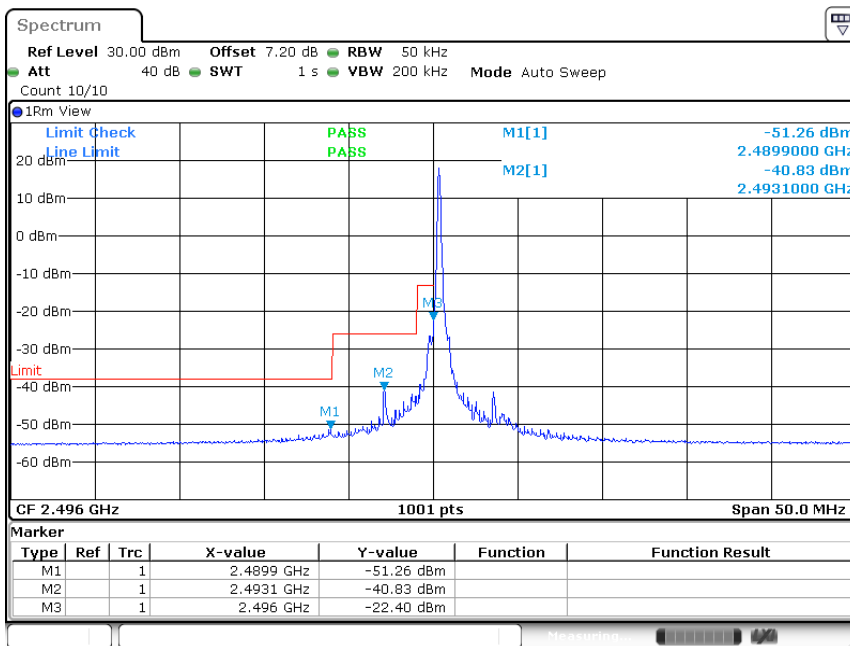
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**Band41-5MHz-QPSK-41565-25RB#0**



Date: 16 MAR 2021 17:25:40

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



Date: 16 MAR 2021 17:23:12

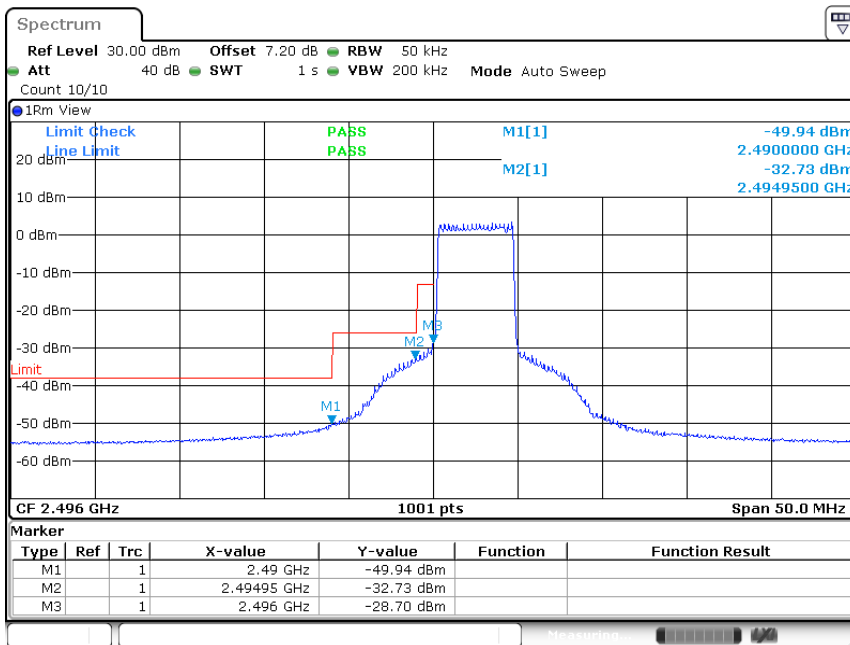


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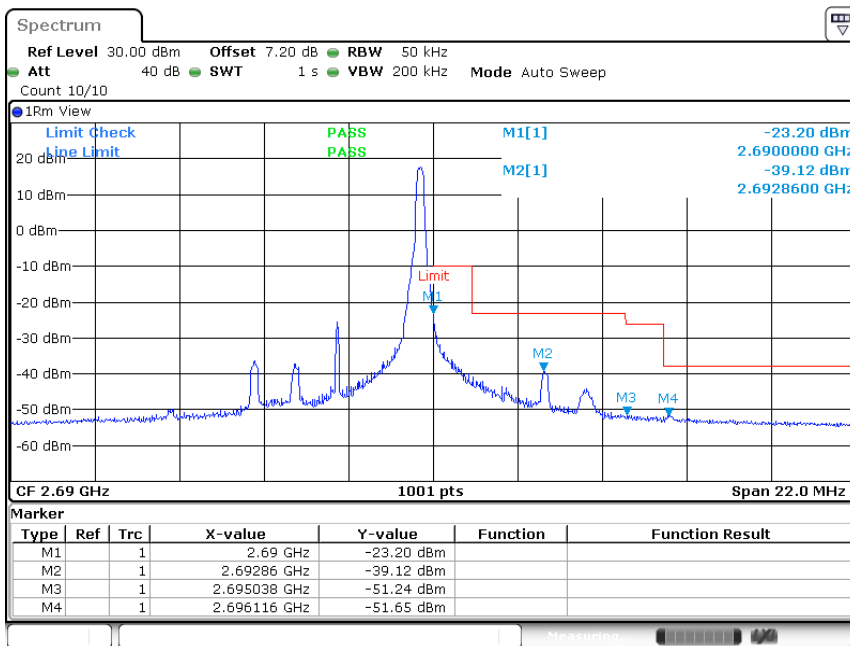
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**Band41-5MHz-16QAM-39675-25RB#0**



Date: 16 MAR 2021 17:24:08

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



Date: 16 MAR 2021 17:25:11

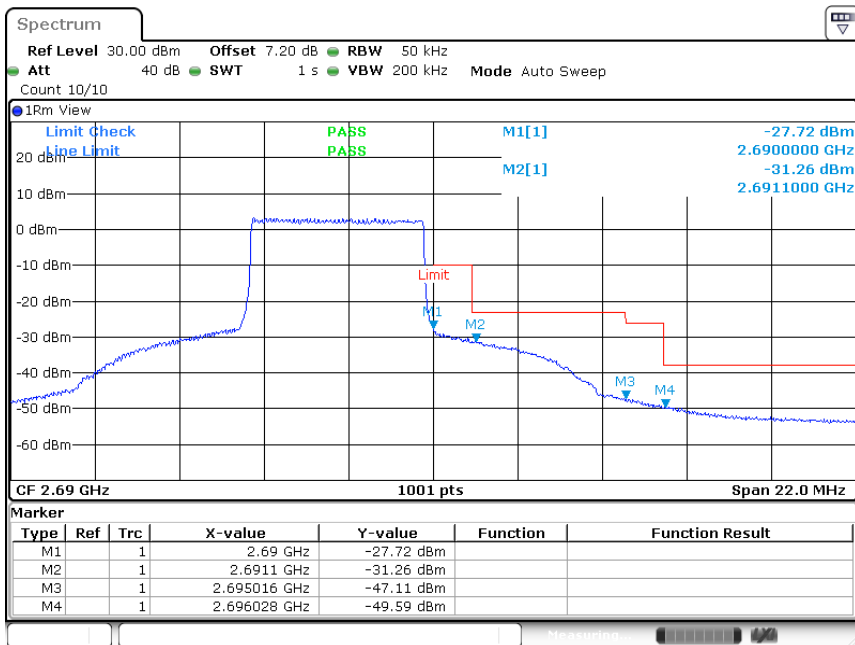


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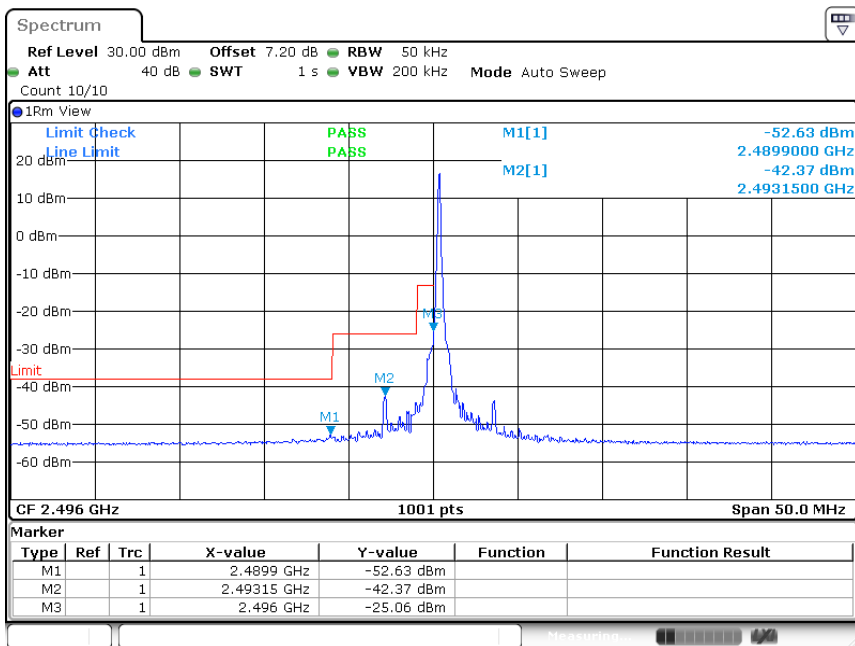
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**Band41-5MHz-16QAM-41565-25RB#0**



Date: 16 MAR 2021 17:26:08

**Band41-5MHz-64QAM-39675-1RB#0**

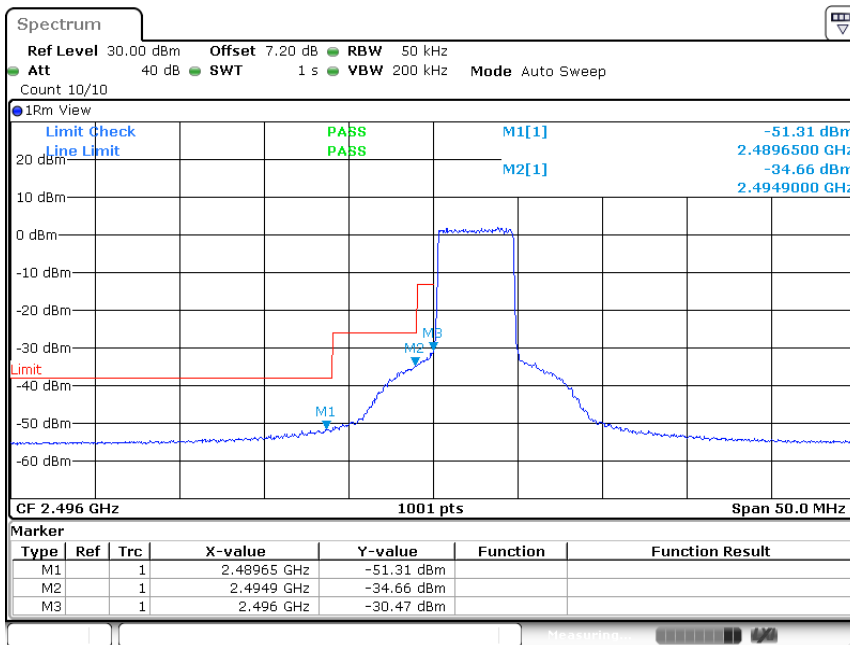


Date: 16 MAR 2021 17:40:50



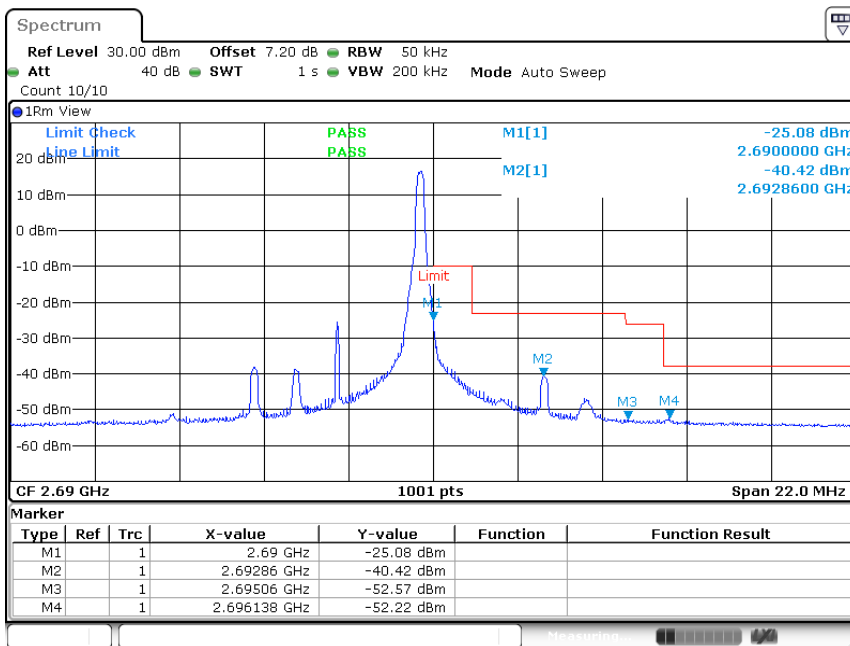
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**Band41-5MHz-64QAM-39675-25RB#0**



Date: 16 MAR 2021 17:41:18

**Band41-5MHz-64QAM-41565-1RB#24**



Date: 16 MAR 2021 17:41:53

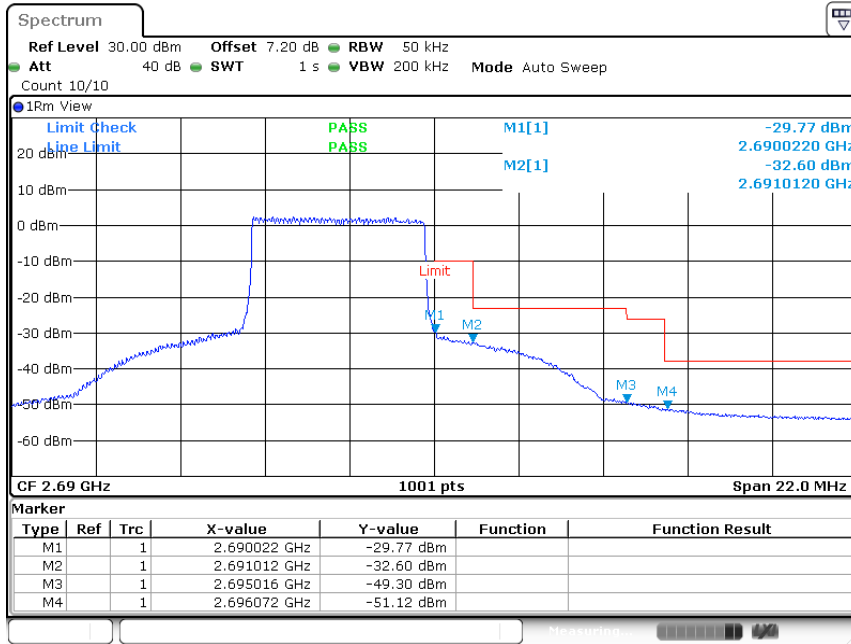


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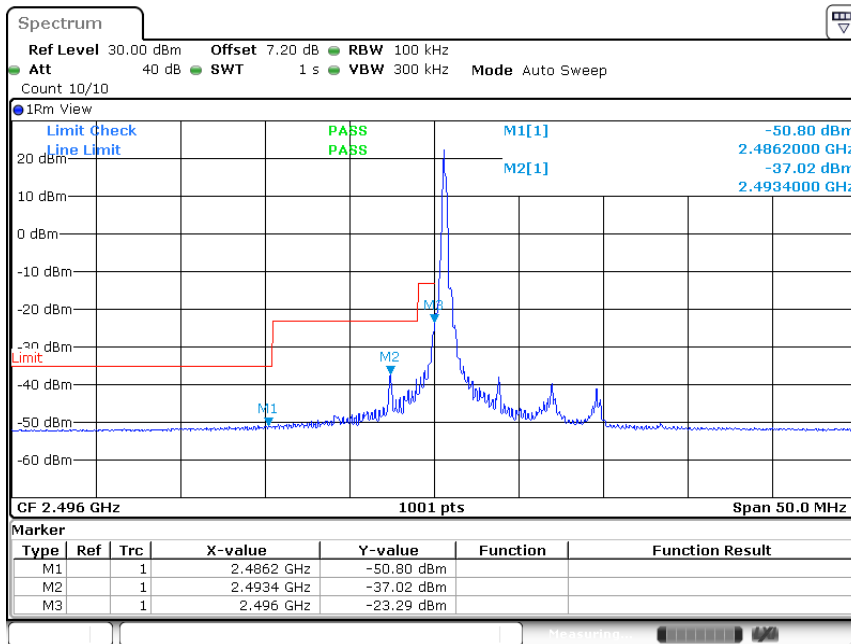
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**Band41-5MHz-64QAM-41565-25RB#0**



Date: 16 MAR 2021 17:42:22

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

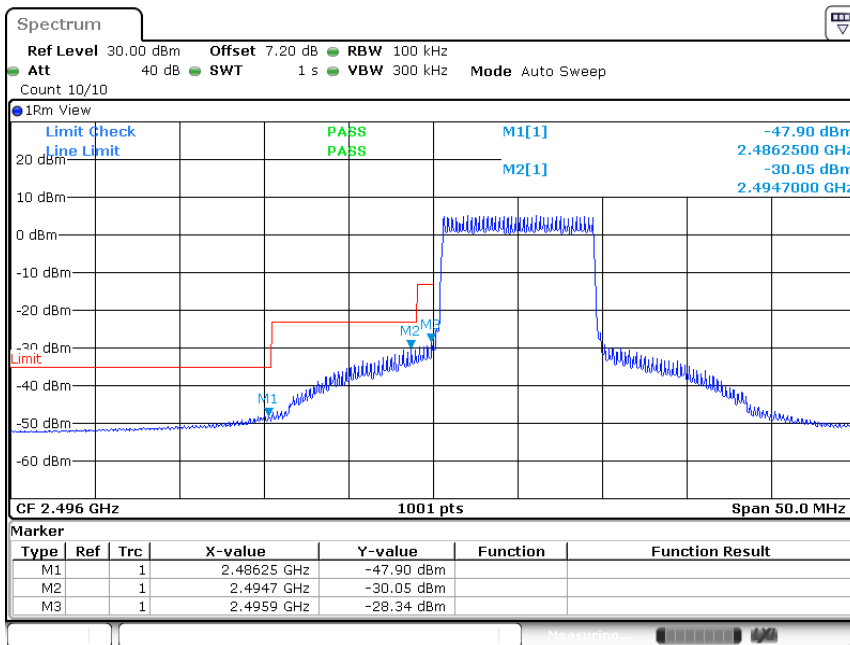


Date: 16 MAR 2021 17:27:09



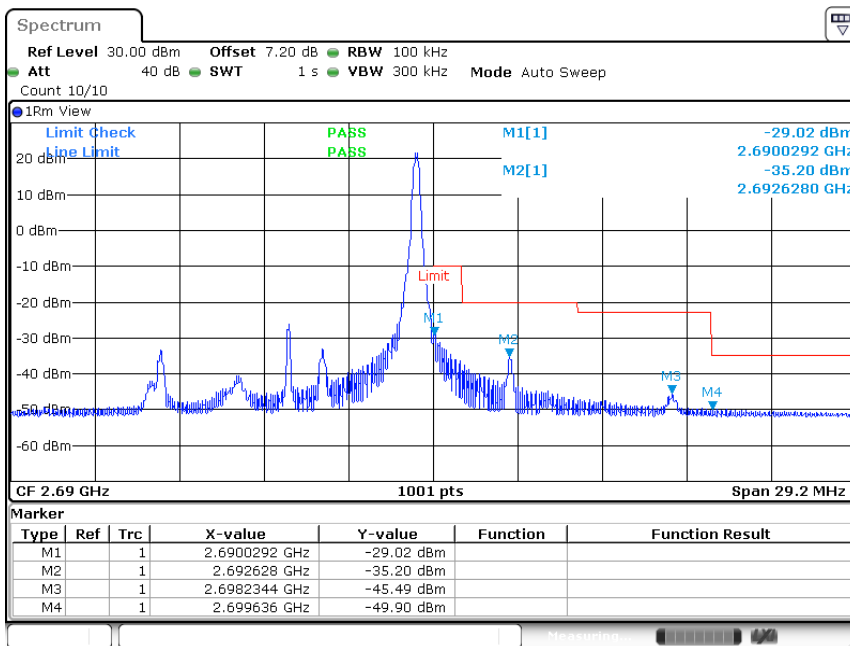
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**Band41-10MHz-QPSK-39700-50RB#0**



Date: 16 MAR 2021 17:28:05

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



Date: 16 MAR 2021 17:29:08

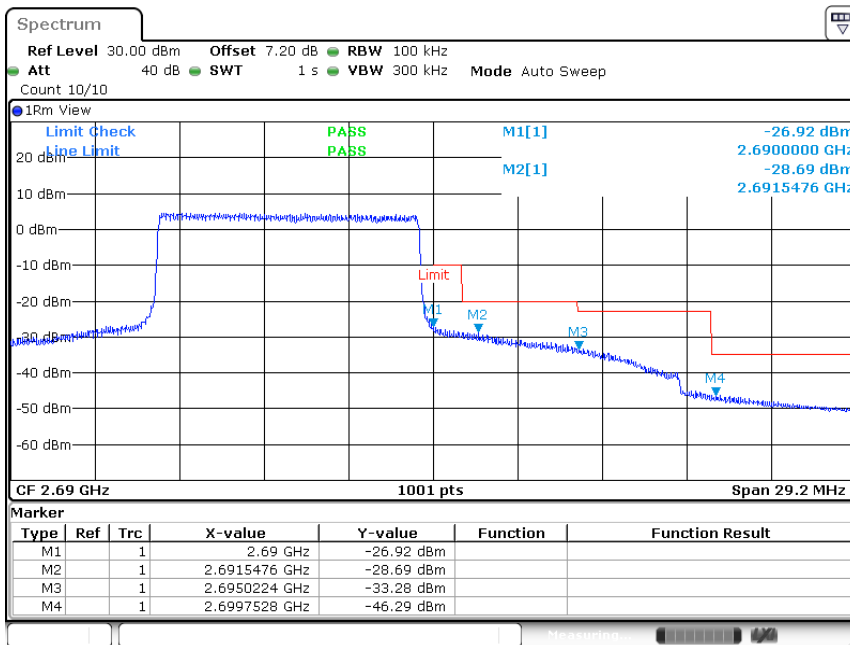


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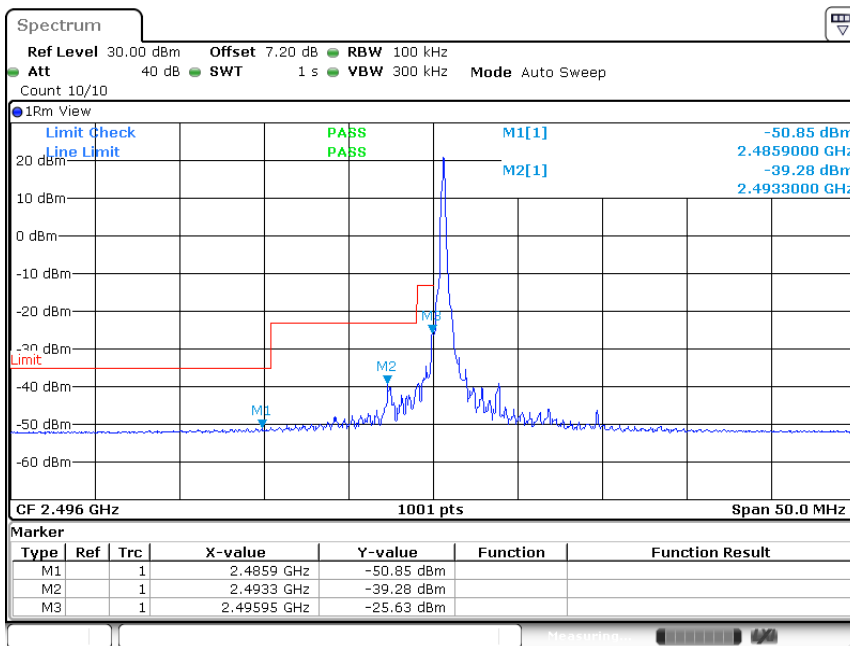
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**Band41-10MHz-QPSK-41540-50RB#0**



Date: 16 MAR 2021 17:30:05

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



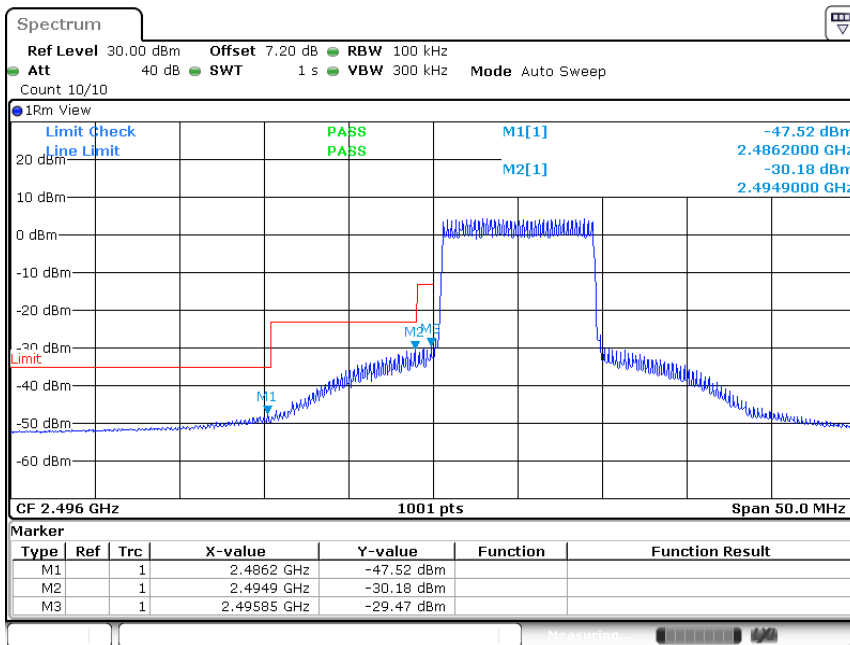
Date: 16 MAR 2021 17:27:37



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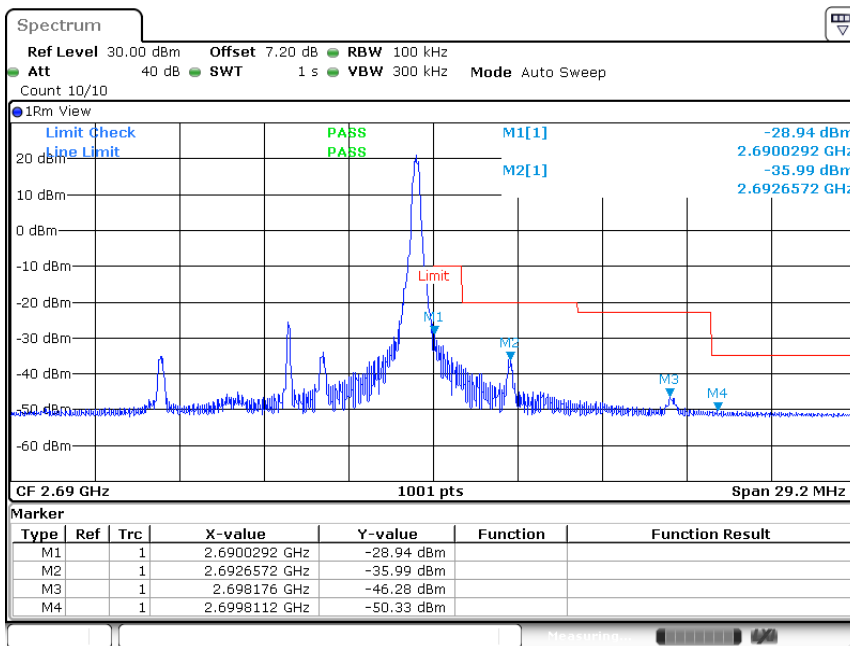


**Band41-10MHz-16QAM-39700-50RB#0**



Date: 16 MAR 2021 17:28:33

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

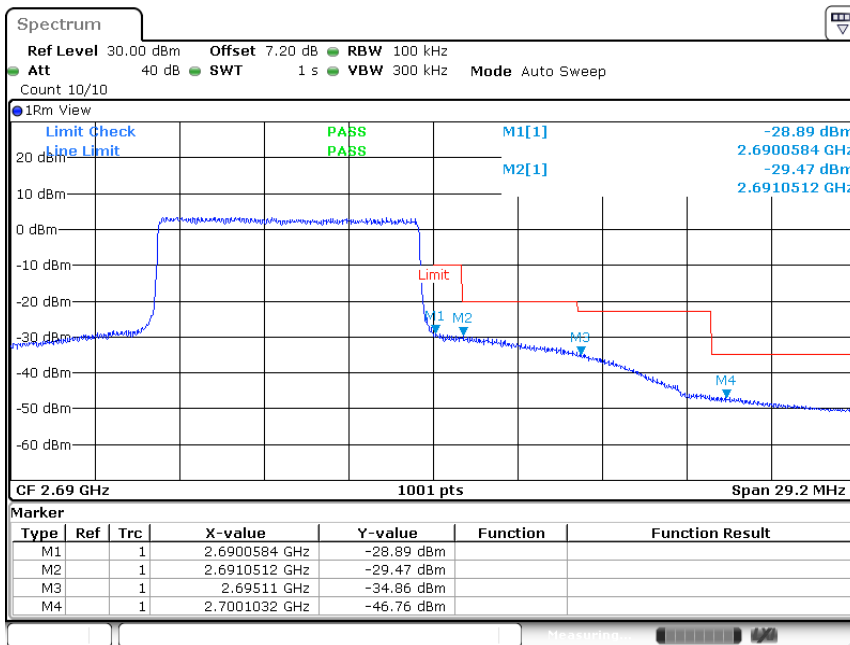


Date: 16 MAR 2021 17:29:37



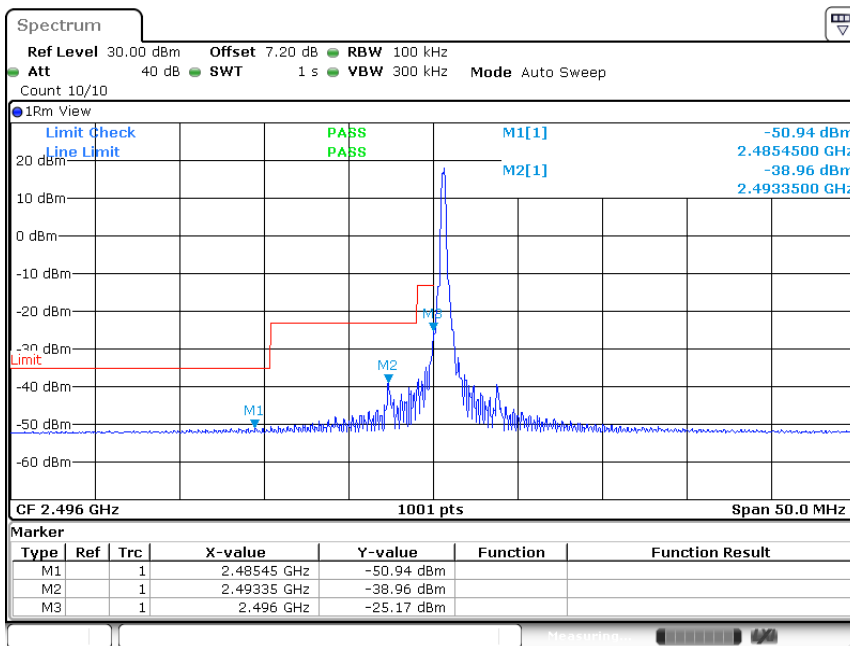
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**Band41-10MHz-16QAM-41540-50RB#0**



Date: 16 MAR 2021 17:30:33

**Band41-10MHz-64QAM-39700-1RB#0**



Date: 16 MAR 2021 17:43:02

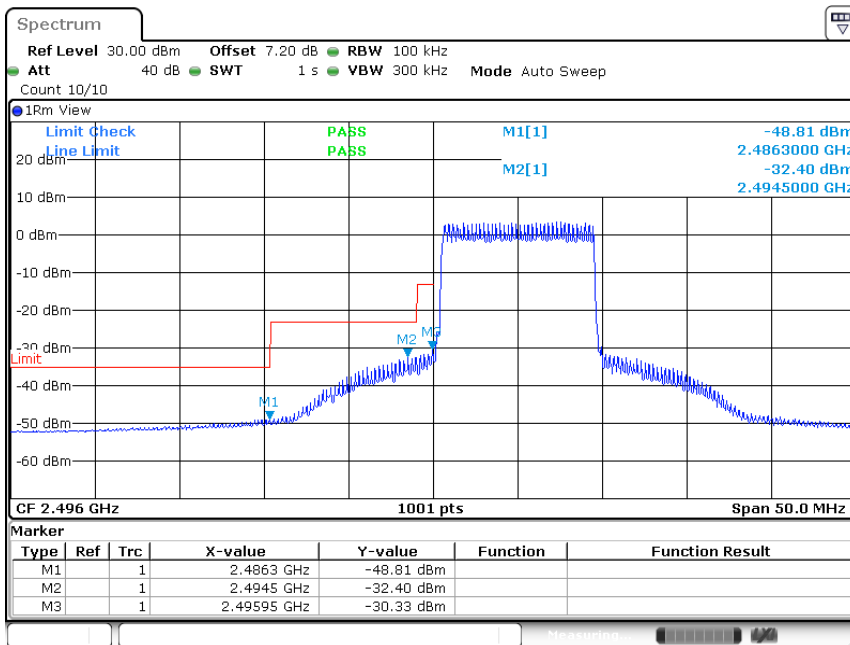


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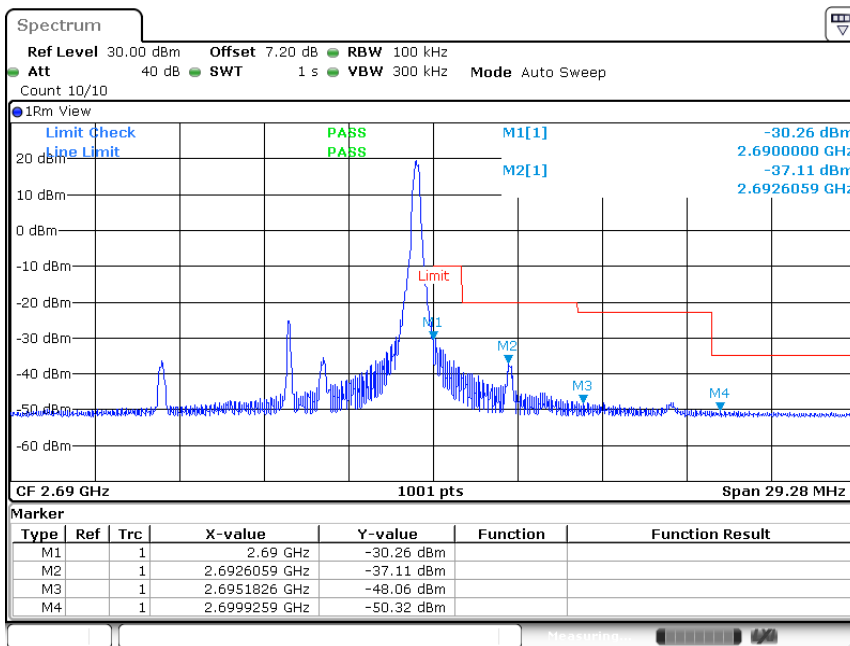
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**Band41-10MHz-64QAM-39700-50RB#0**



Date: 16 MAR 2021 17:43:30

**Band41-10MHz-64QAM-41540-1RB#49**

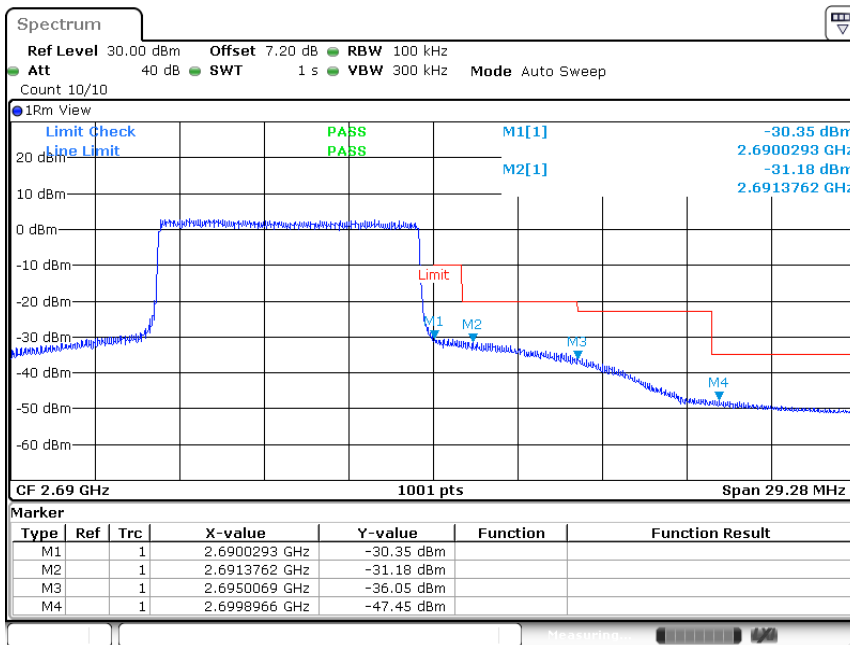


Date: 16 MAR 2021 17:44:05



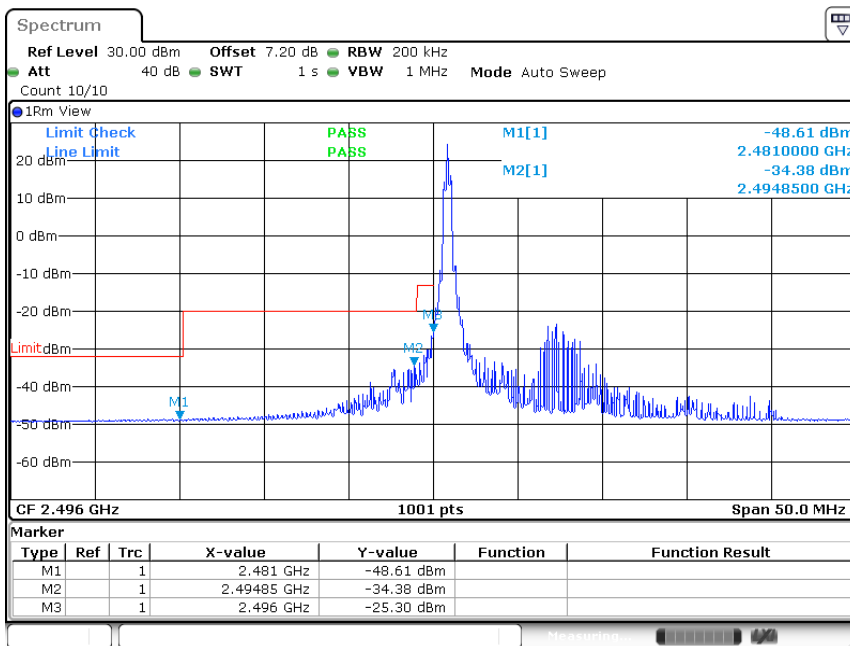
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**Band41-10MHz-64QAM-41540-50RB#0**



Date: 16 MAR 2021 17:44:33

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



Date: 16 MAR 2021 17:31:40

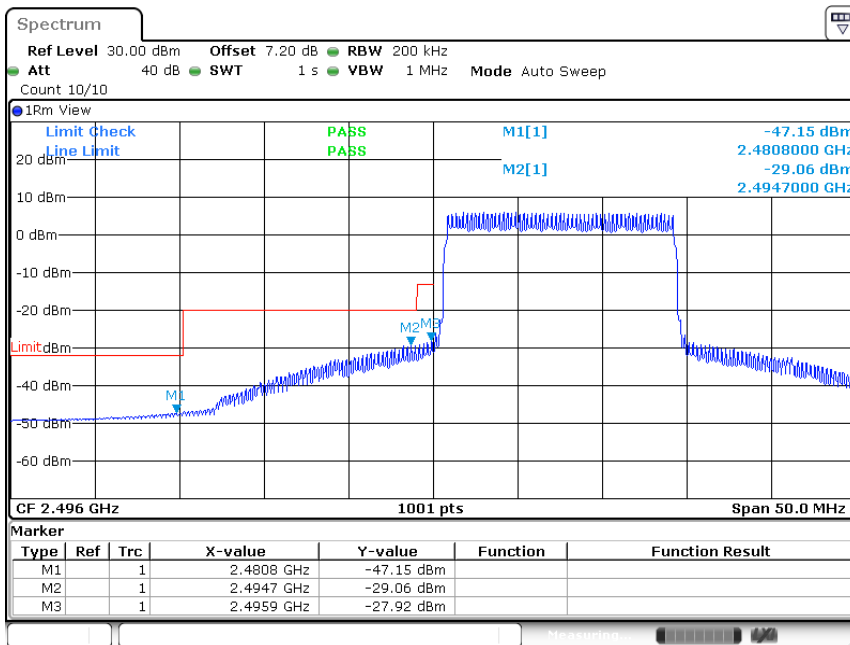


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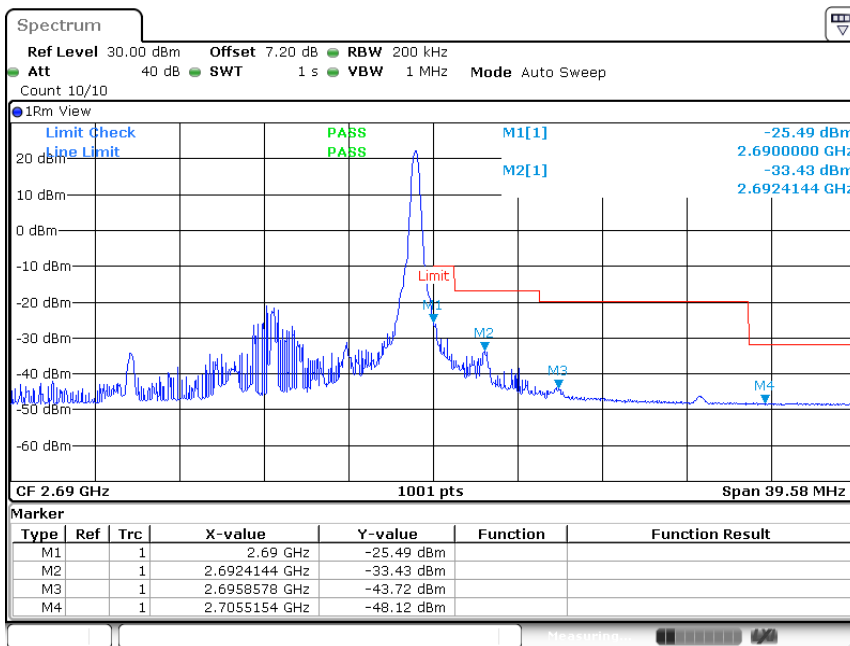
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**Band41-15MHz-QPSK-39725-75RB#0**



Date: 16 MAR 2021 17:33:04

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

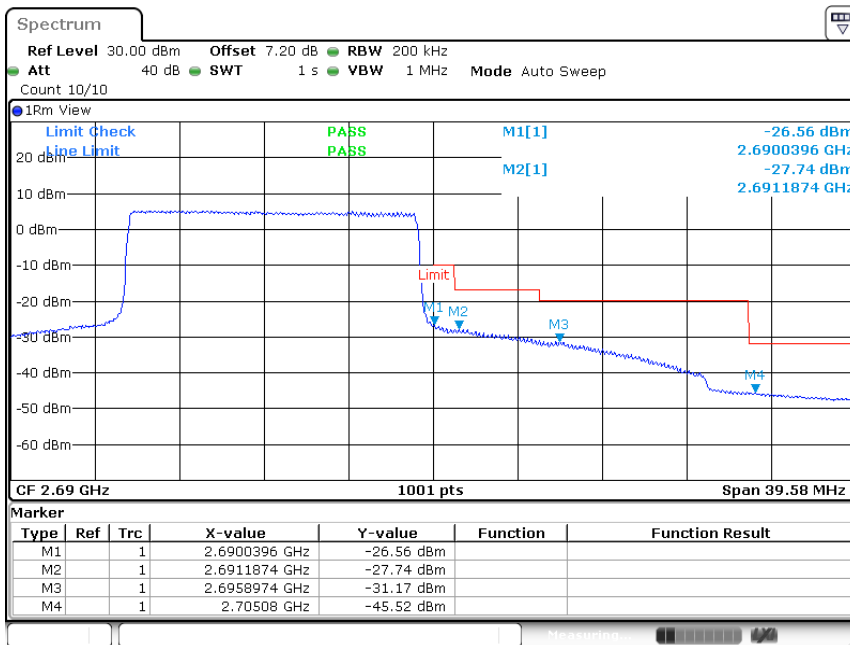


Date: 16 MAR 2021 17:34:19



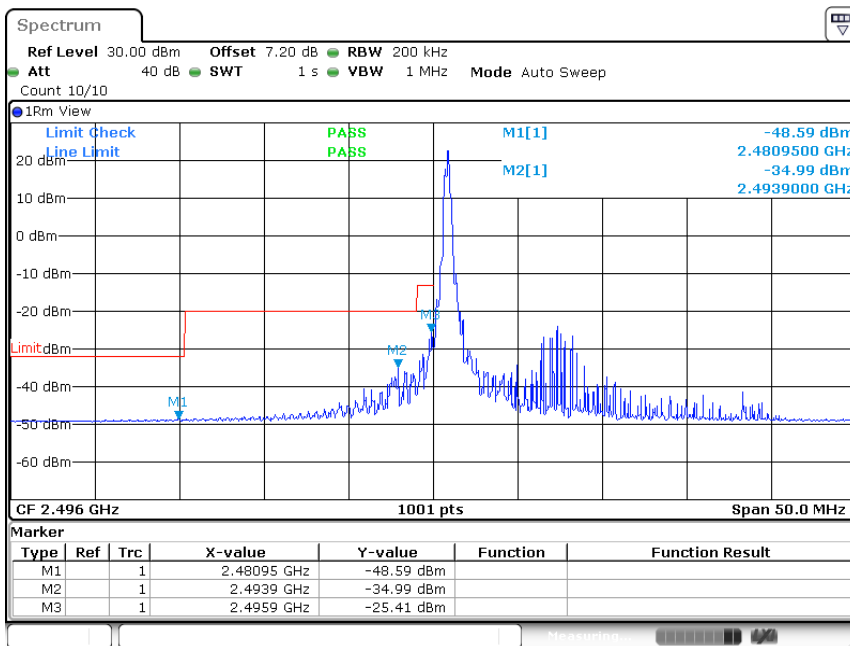
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**Band41-15MHz-QPSK-41515-75RB#0**



Date: 16 MAR 2021 17:35:16

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



Date: 16 MAR 2021 17:32:09

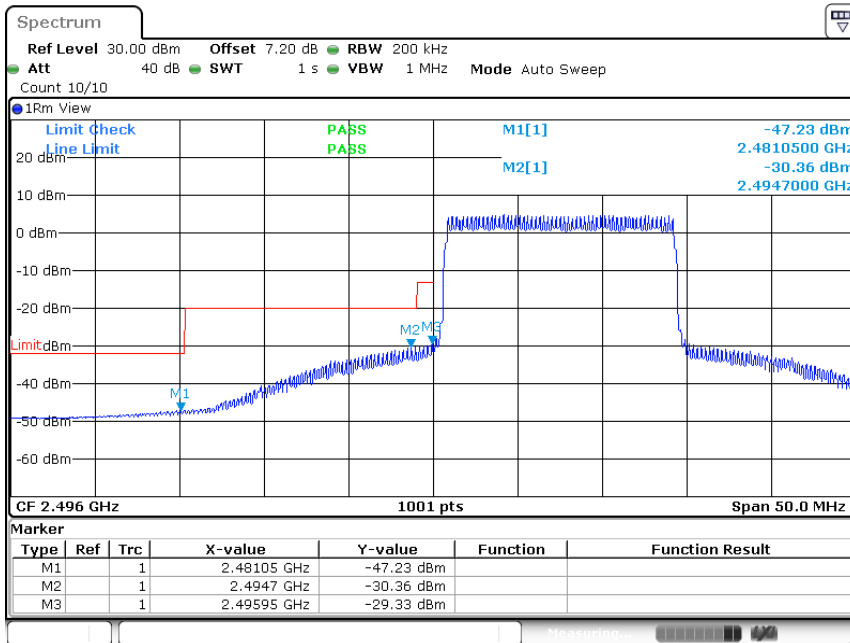


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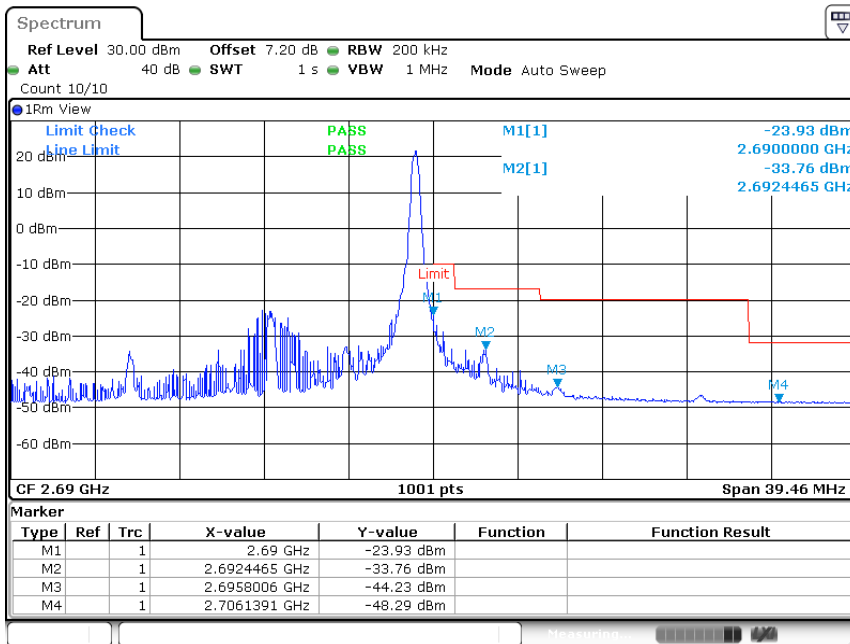
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**Band41-15MHz-16QAM-39725-75RB#0**



Date: 16 MAR 2021 17:33:44

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

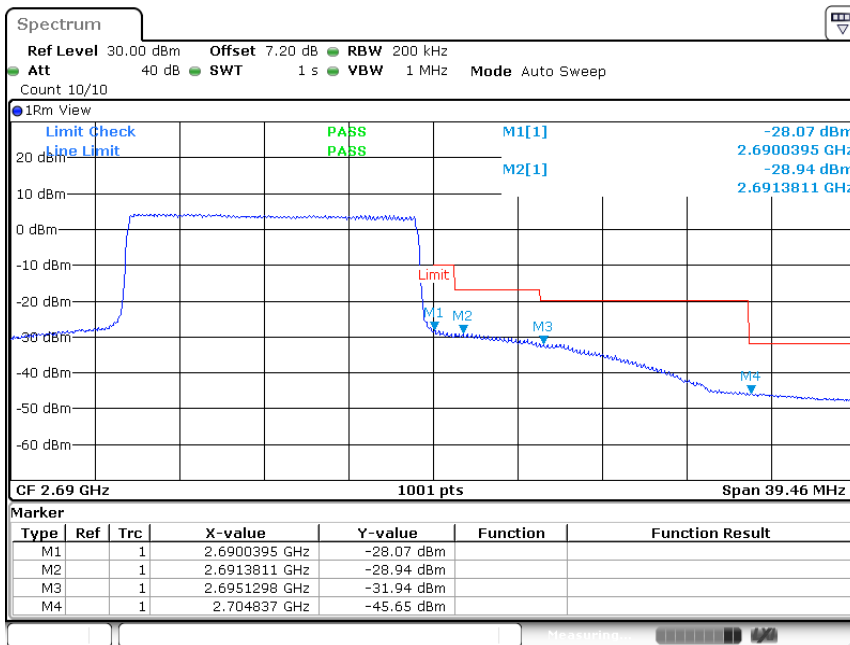


Date: 16 MAR 2021 17:34:47



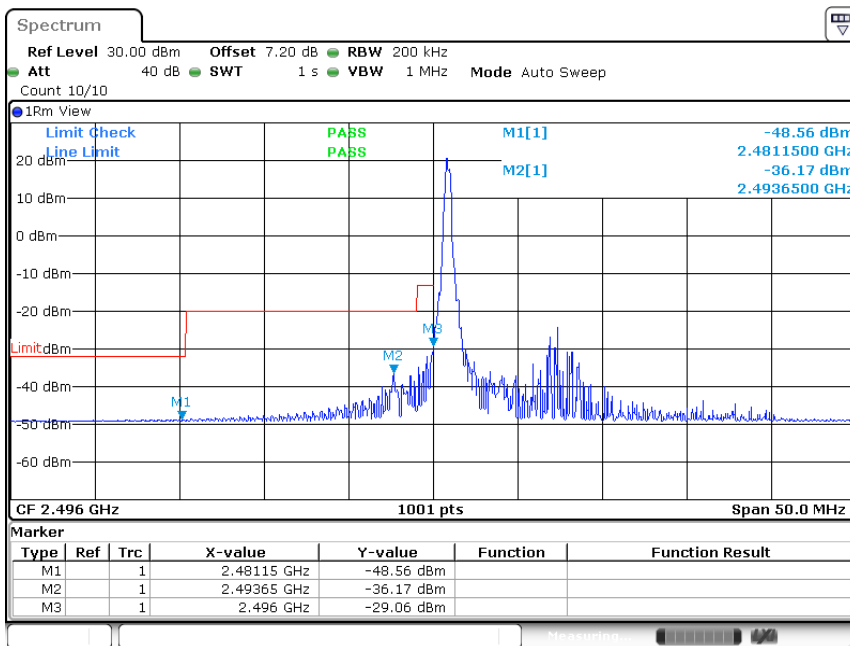
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**Band41-15MHz-16QAM-41515-75RB#0**



Date: 16 MAR 2021 17:35:44

**Band41-15MHz-64QAM-39725-1RB#0**



Date: 16 MAR 2021 17:45:18



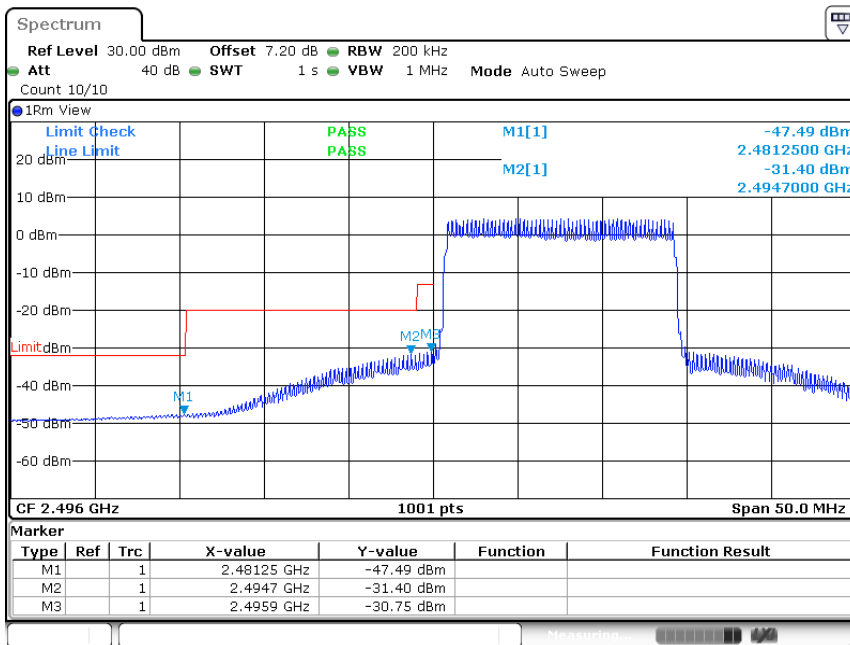
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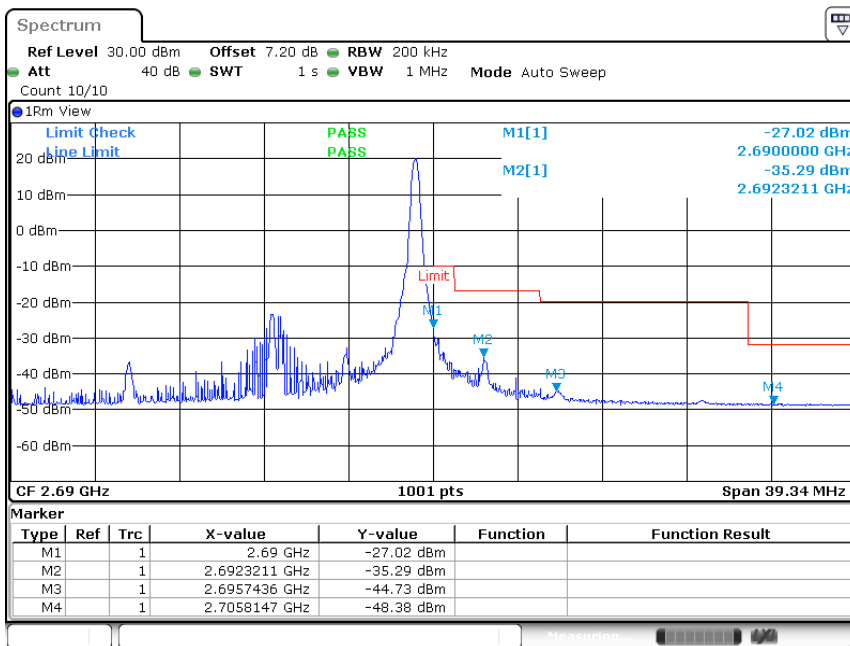


**Band41-15MHz-64QAM-39725-75RB#0**



Date: 16 MAR 2021 17:45:51

**Band41-15MHz-64QAM-41515-1RB#74**



Date: 16 MAR 2021 17:46:27

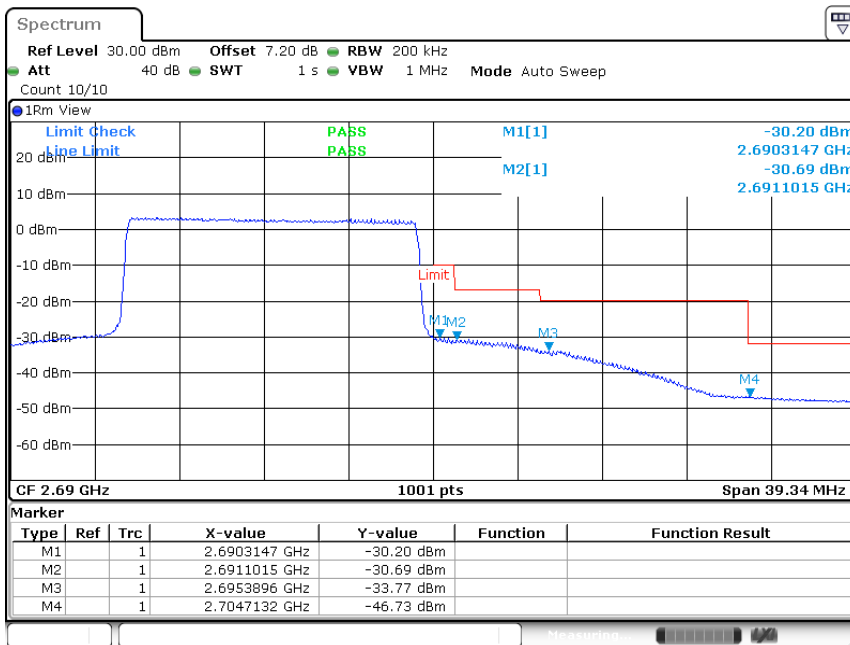


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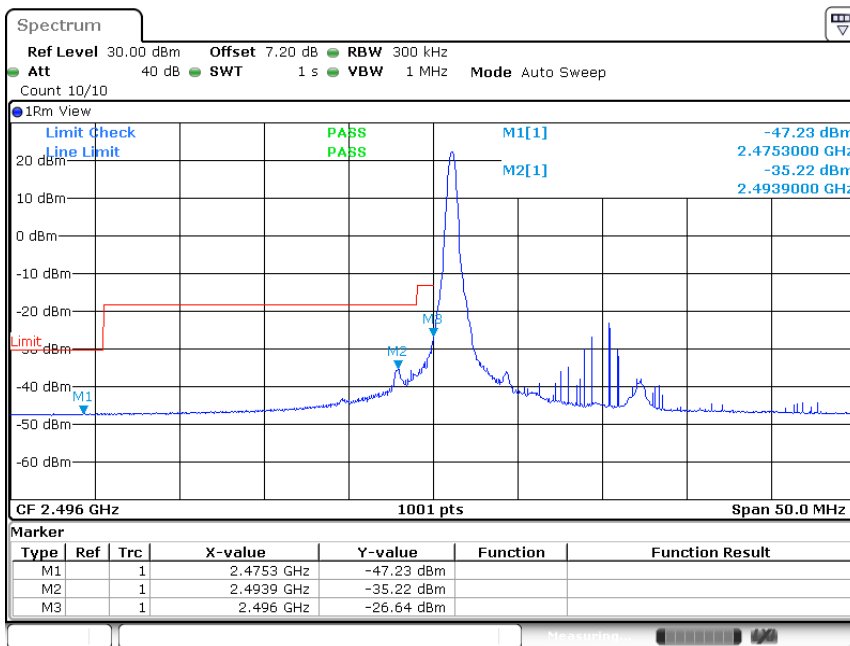
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**Band41-15MHz-64QAM-41515-75RB#0**



Date: 16 MAR 2021 17:46:55

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

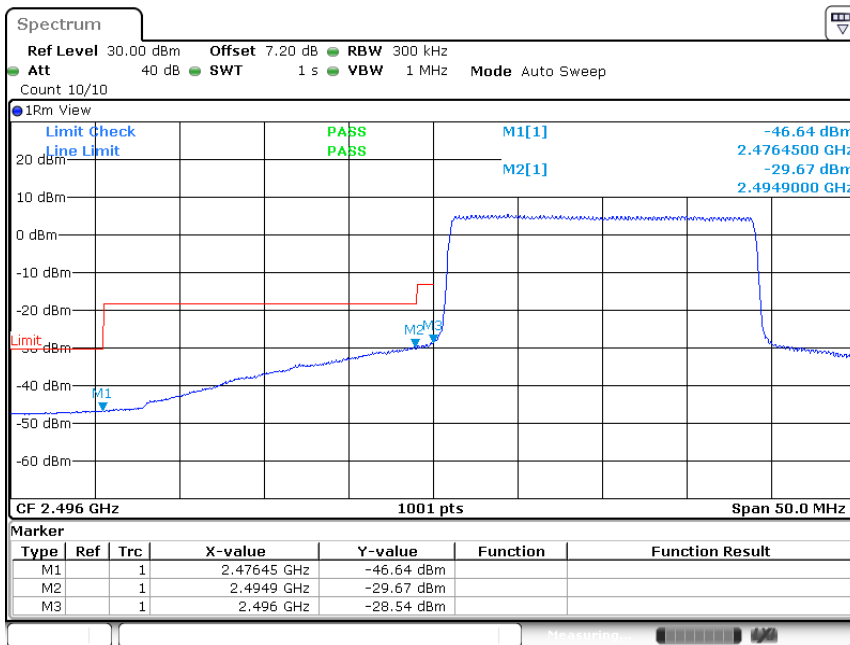


Date: 16 MAR 2021 17:36:23



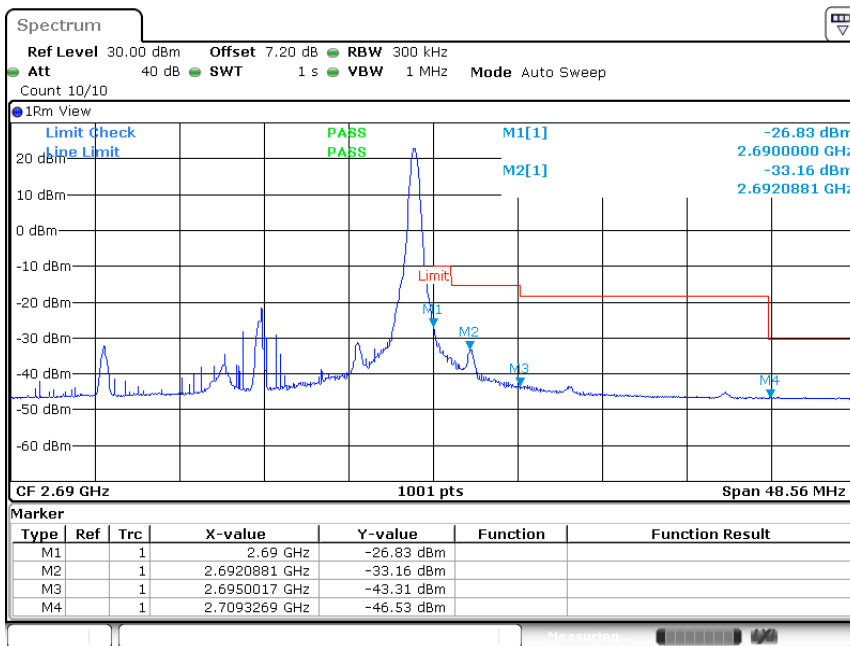
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**Band41-20MHz-QPSK-39750-100RB#0**



Date: 16 MAR 2021 17:37:19

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



Date: 16 MAR 2021 17:38:22

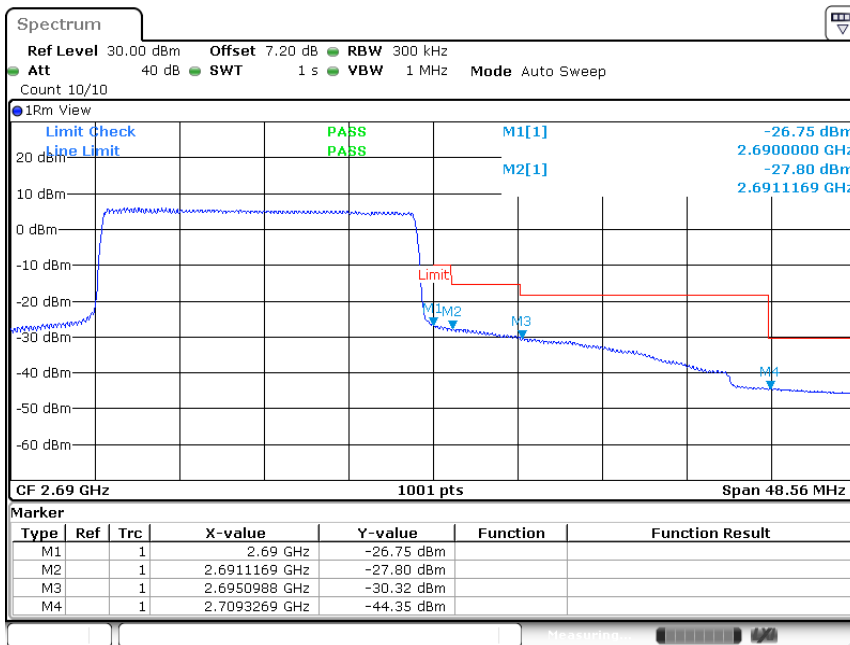


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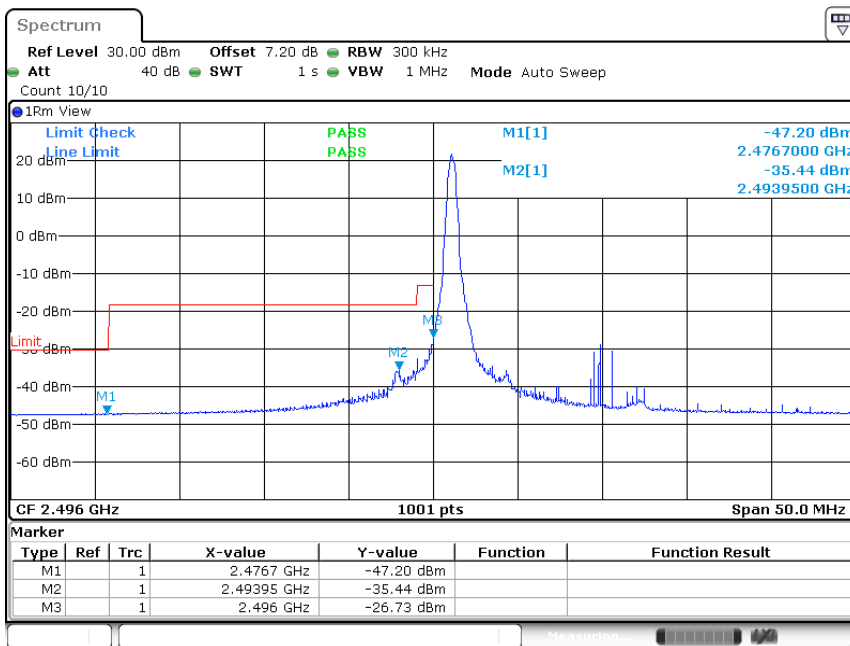
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
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**Band41-20MHz-QPSK-41490-100RB#0**



Date: 16 MAR 2021 17:39:19

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



Date: 16 MAR 2021 17:36:51

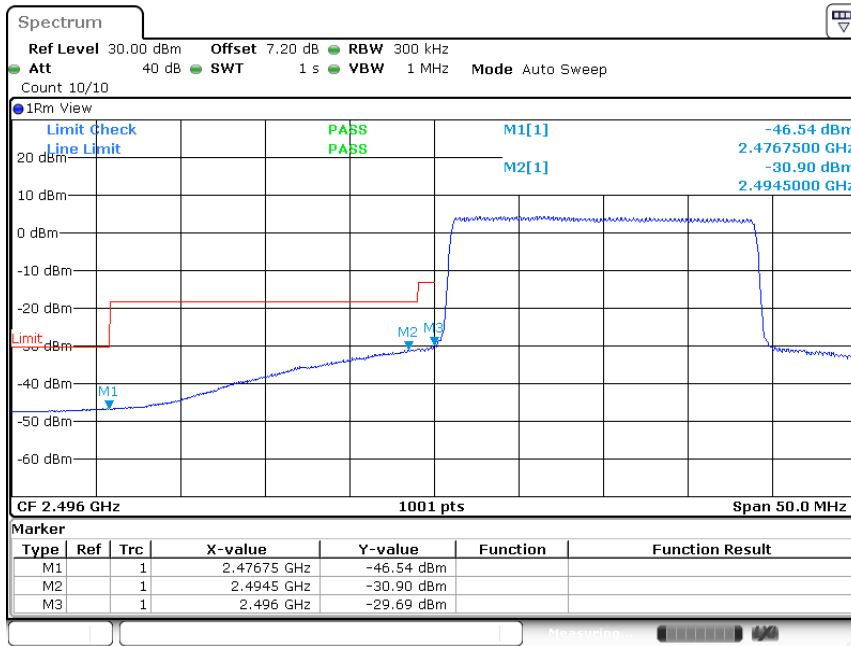


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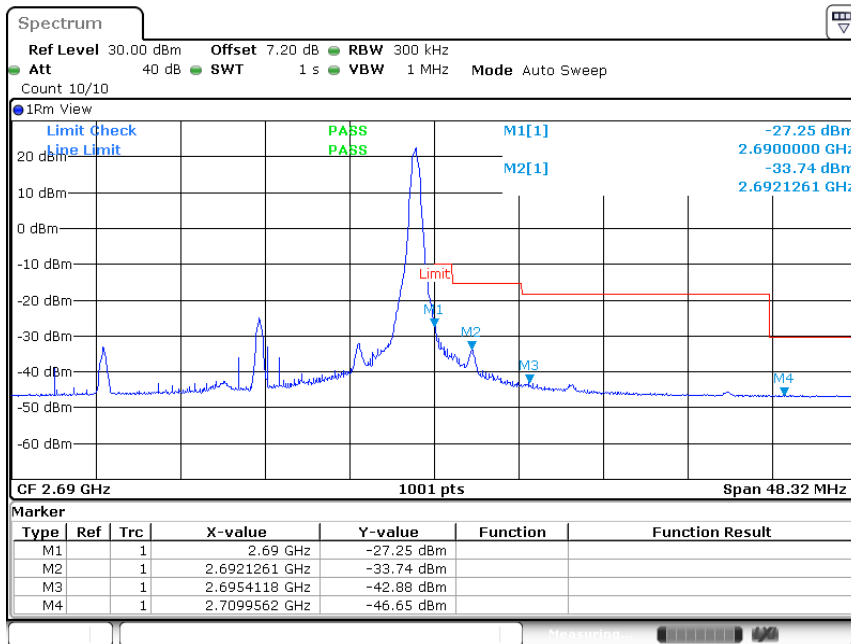
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**Band41-20MHz-16QAM-39750-100RB#0**



Date: 16 MAR 2021 17:37:47

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

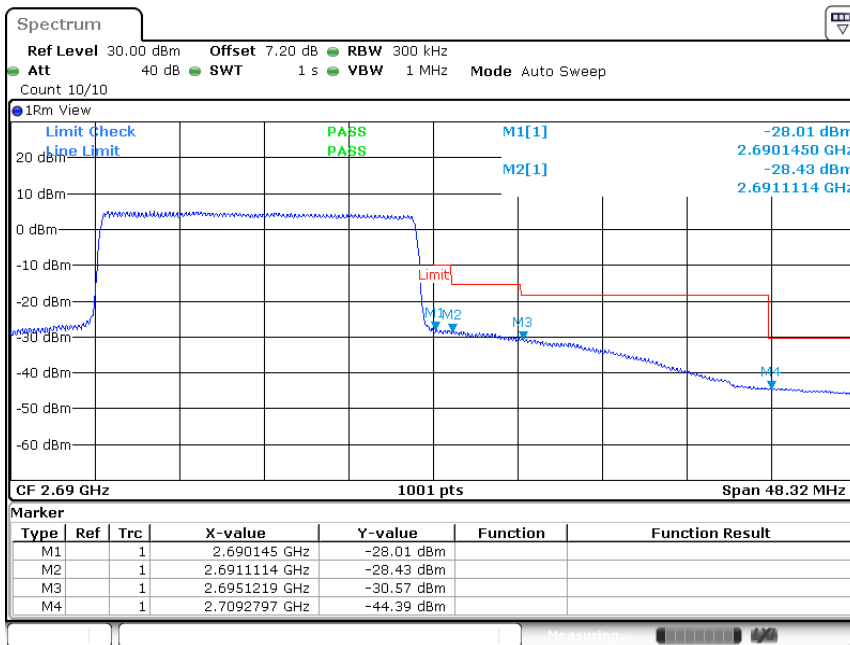


Date: 16 MAR 2021 17:38:50



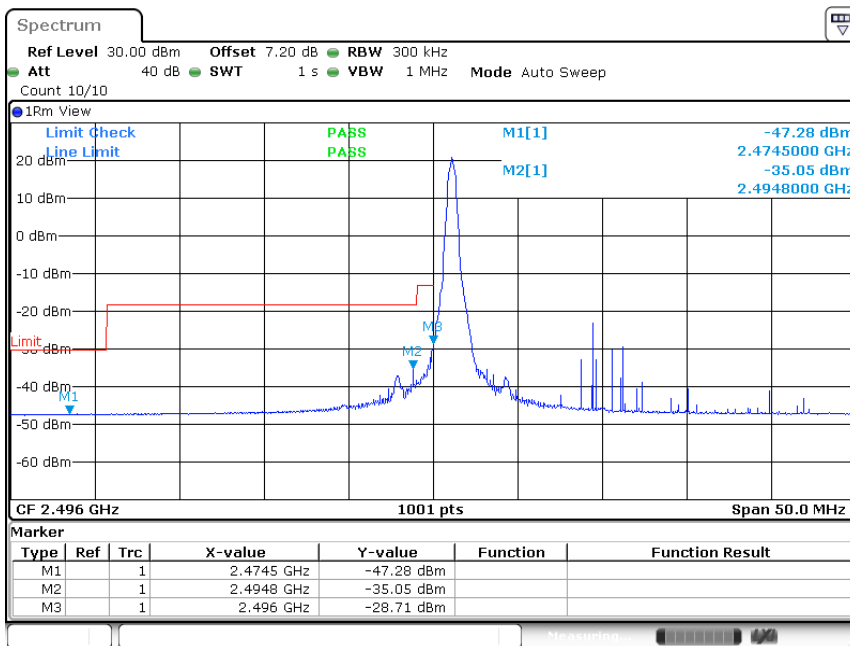
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**Band41-20MHz-16QAM-41490-100RB#0**



Date: 16 MAR 2021 17:39:48

**Band41-20MHz-64QAM-39750-1RB#0**

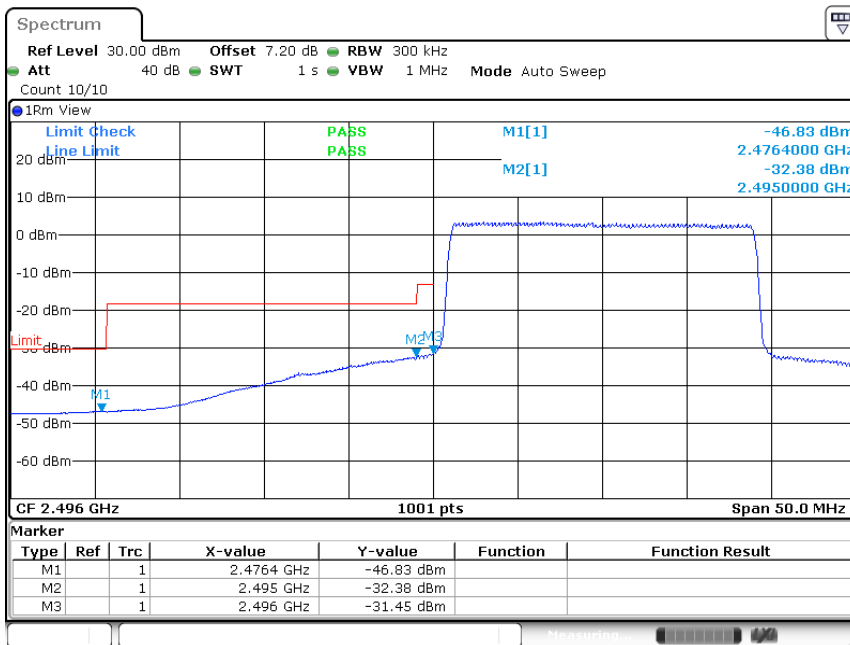


Date: 16 MAR 2021 17:47:36



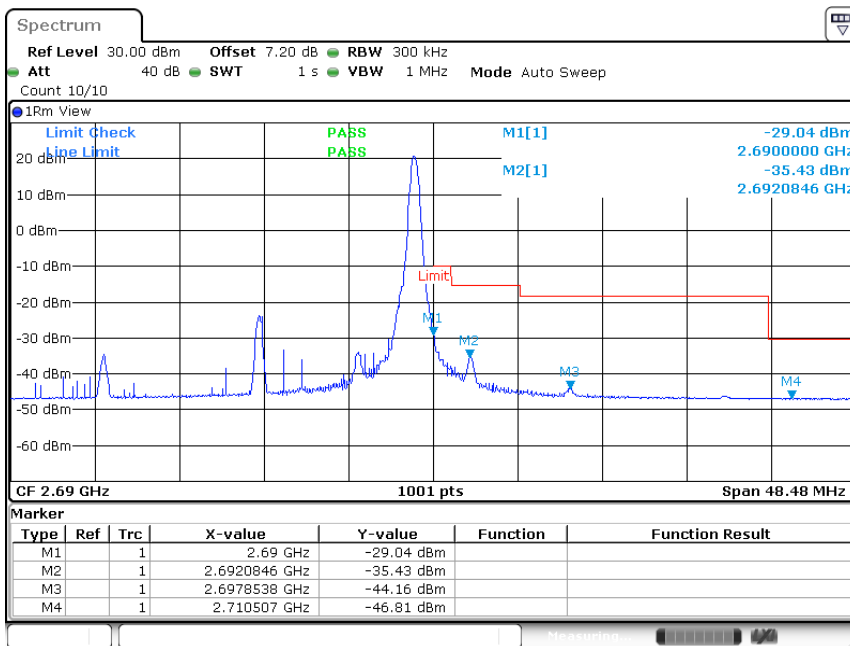
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**Band41-20MHz-64QAM-39750-100RB#0**



Date: 16 MAR 2021 17:48:04

**Band41-20MHz-64QAM-41490-1RB#99**



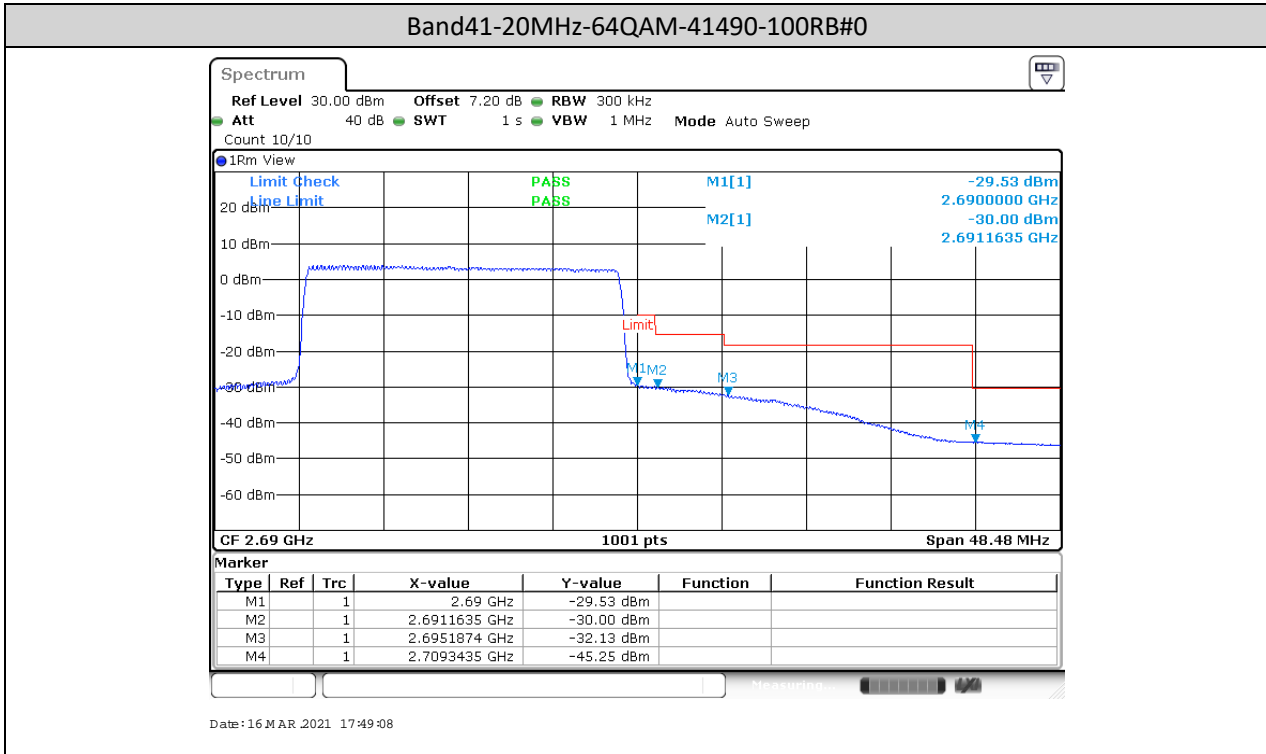
Date: 16 MAR 2021 17:48:39



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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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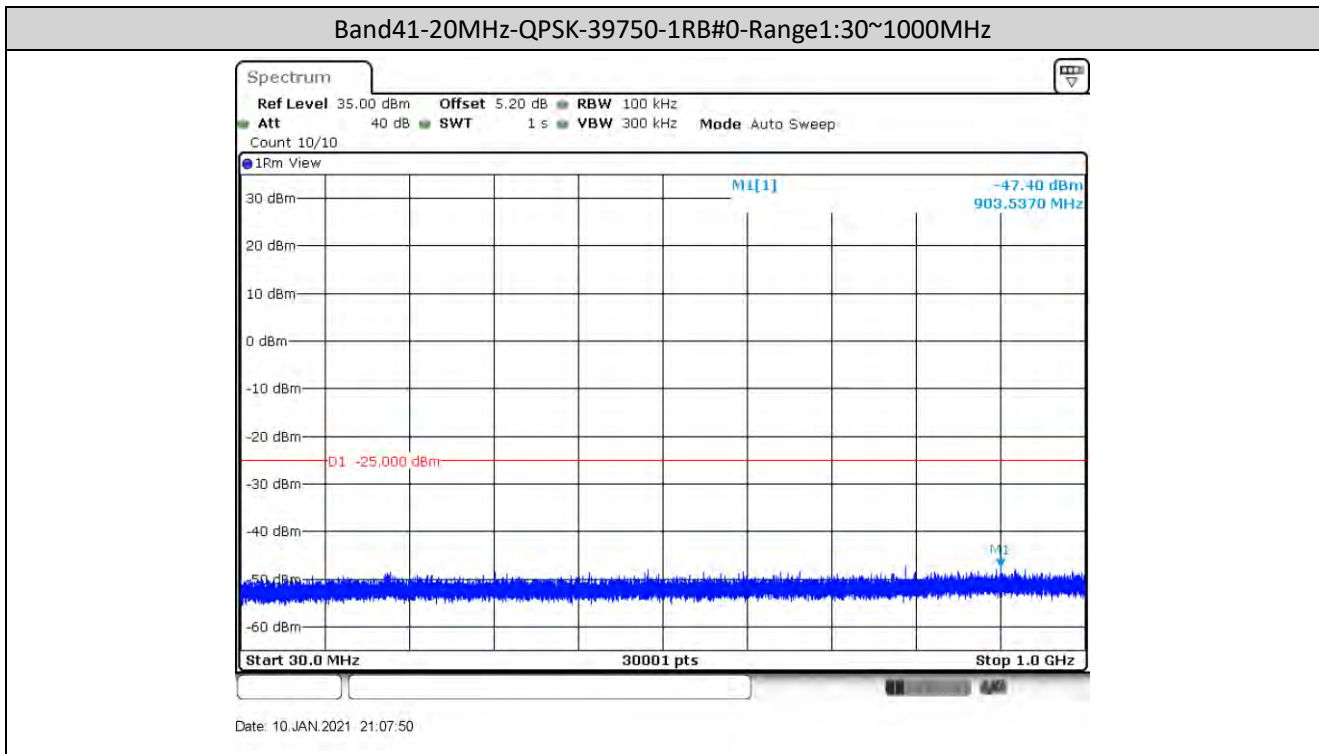


## 6. Spurious Emission at Antenna Terminal

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: only the worst case data displayed in this report.

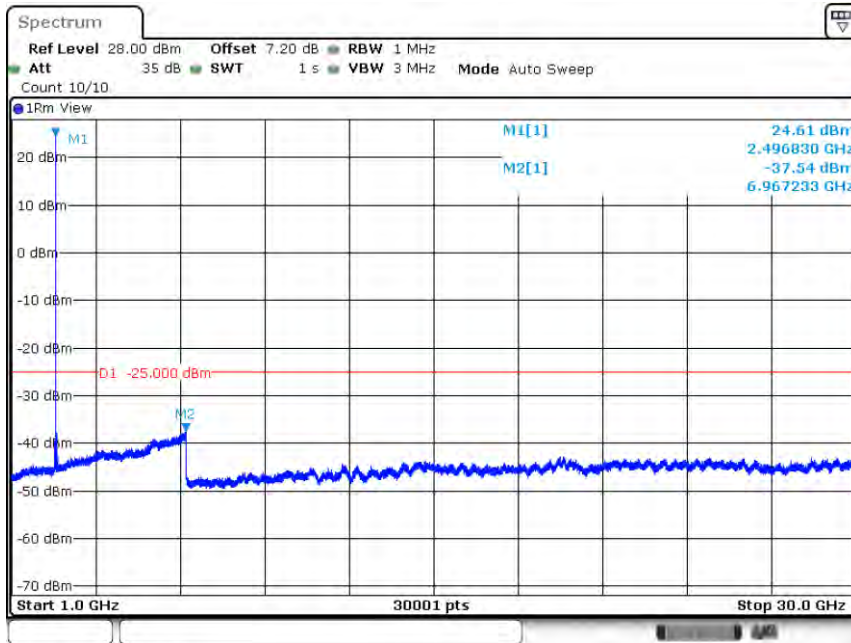
### 6.1. Test Plots



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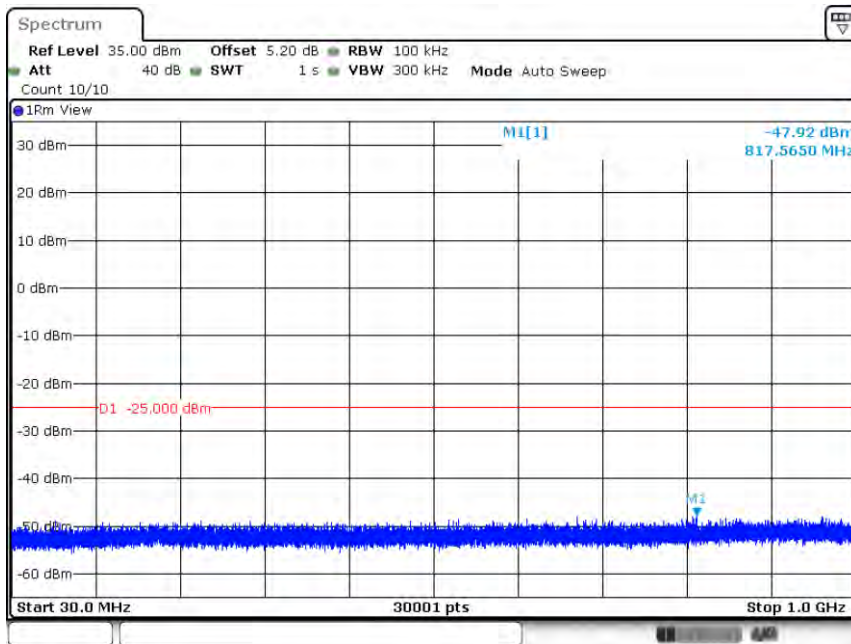
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**Band41-20MHz-QPSK-39750-1RB#0-Range2:1000~30000MHz**



Date: 10 JAN 2021 21:08:07

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



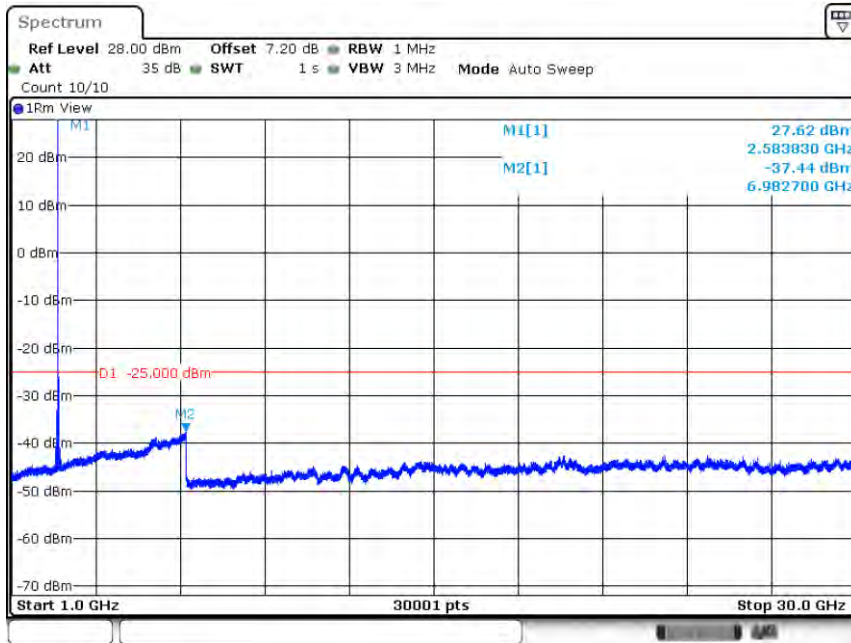
Date: 10 JAN 2021 21:09:01



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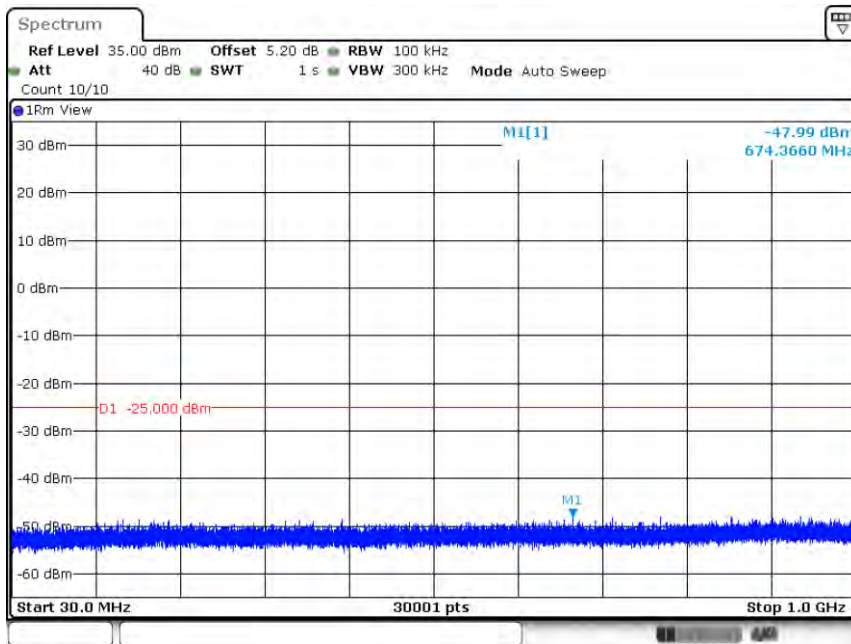
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**Band41-20MHz-QPSK-40620-1RB#0-Range2:1000~30000MHz**



Date: 10 JAN 2021 21:09:18

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



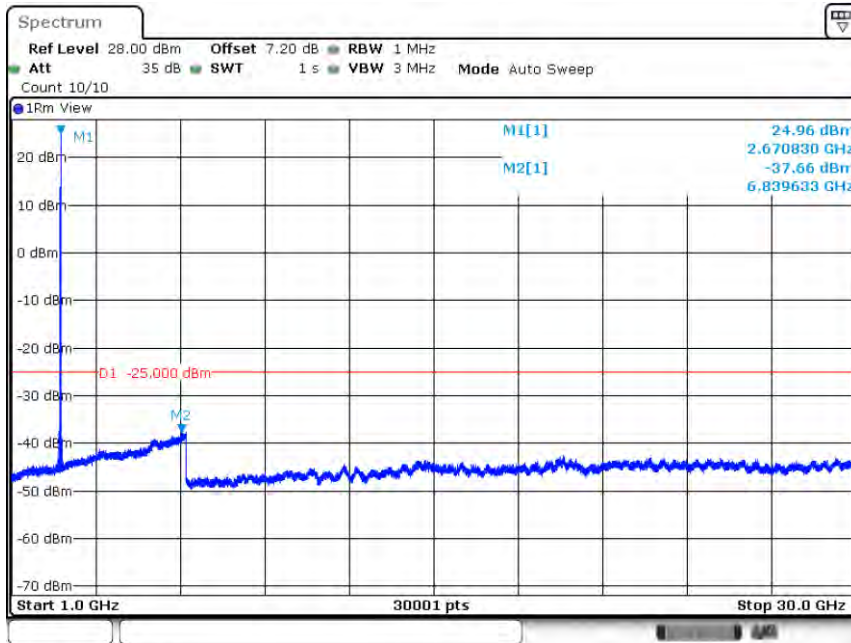
Date: 10 JAN 2021 21:10:12



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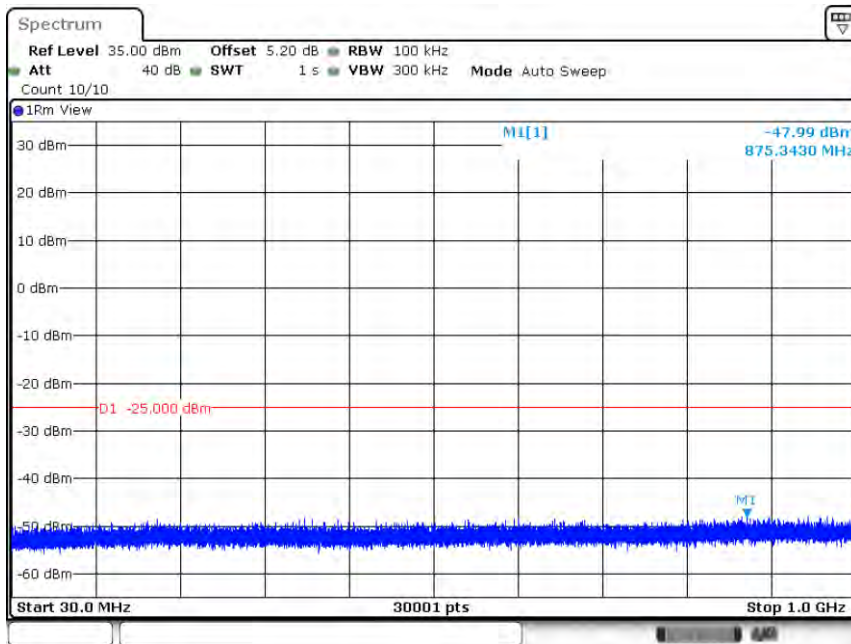
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**Band41-20MHz-QPSK-41490-1RB#0-Range2:1000~30000MHz**



Date: 10 JAN 2021 21:10:29

**Band41-20MHz-64QAM-39750-1RB#0-Range1:30~1000MHz**



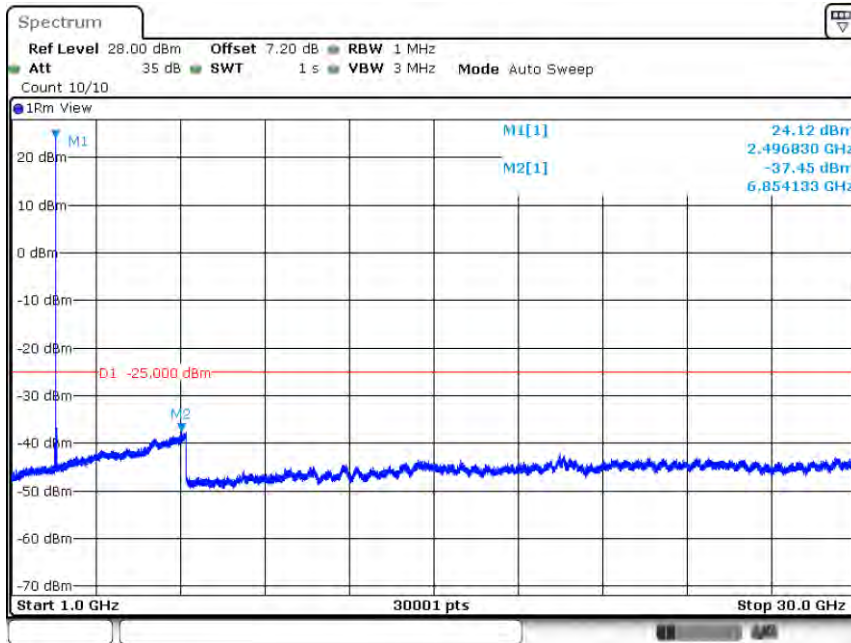
Date: 11 JAN 2021 08:34:43



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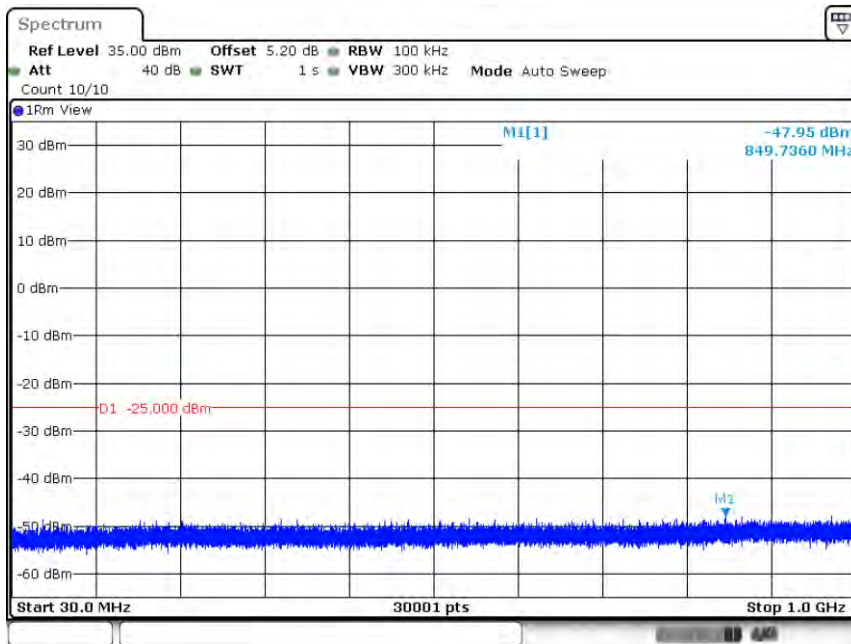
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**Band41-20MHz-64QAM-39750-1RB#0-Range2:1000~30000MHz**



Date: 11 JAN 2021 08:34:59

**Band41-20MHz-64QAM-40620-1RB#0-Range1:30~1000MHz**



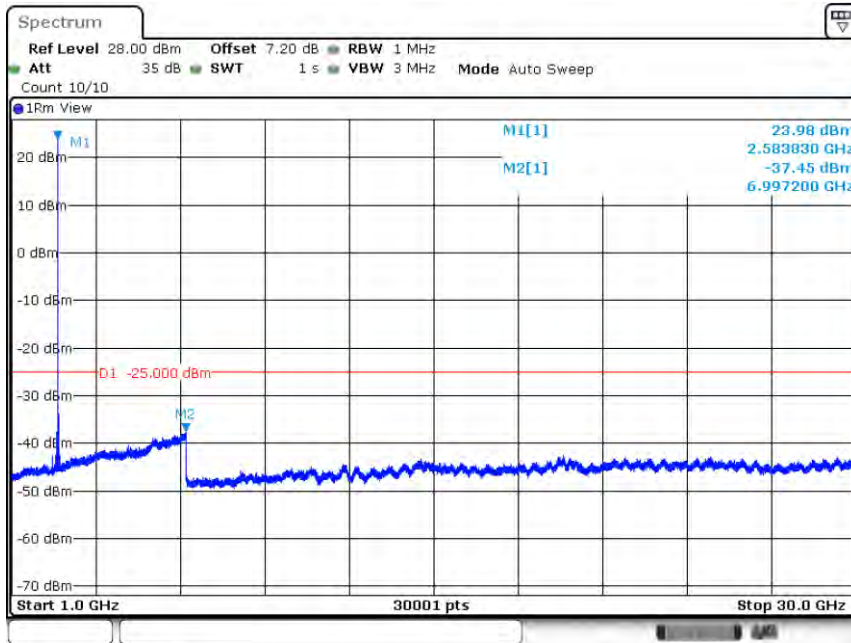
Date: 11 JAN 2021 08:35:19



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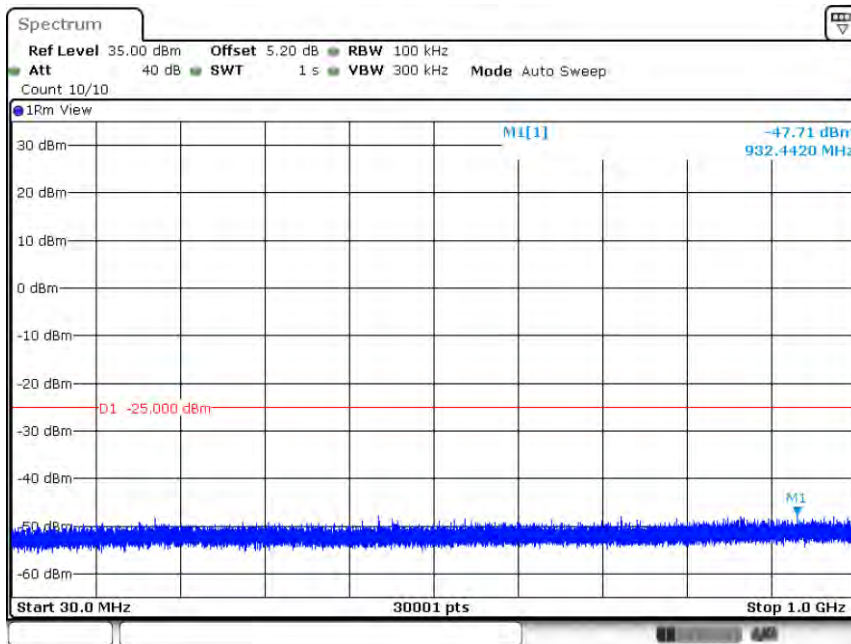
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**Band41-20MHz-64QAM-40620-1RB#0-Range2:1000~30000MHz**



Date: 11. JAN 2021 08:35:35

**Band41-20MHz-64QAM-41490-1RB#0-Range1:30~1000MHz**



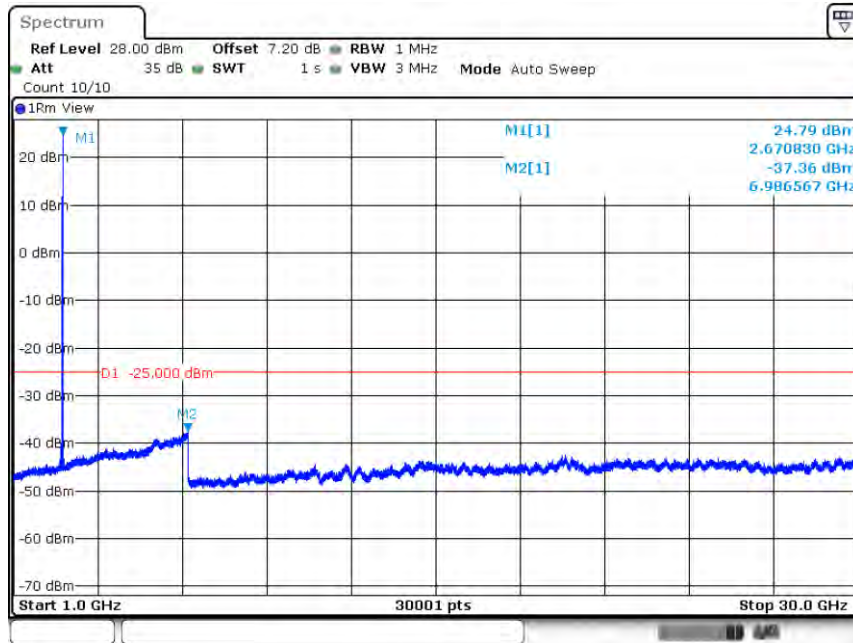
Date: 11. JAN 2021 08:35:54



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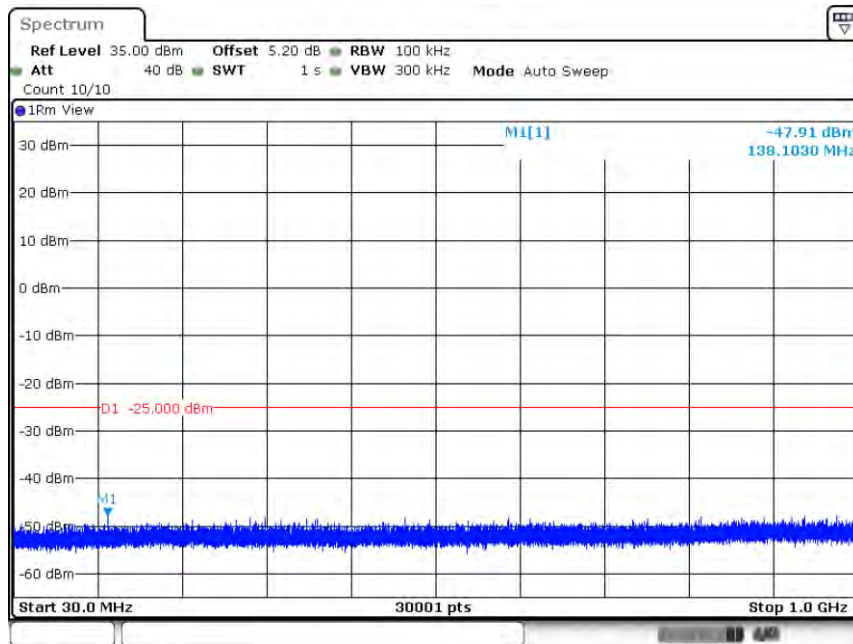
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**Band41-20MHz-64QAM-41490-1RB#0-Range2:1000~30000MHz**



Date: 11 JAN 2021 08:36:11

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



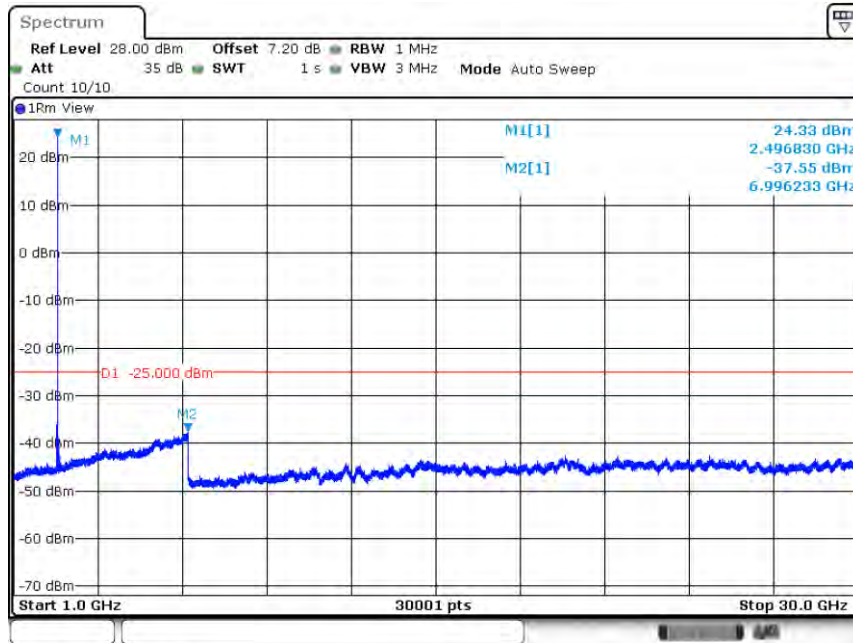
Date: 10 JAN 2021 21:08:26



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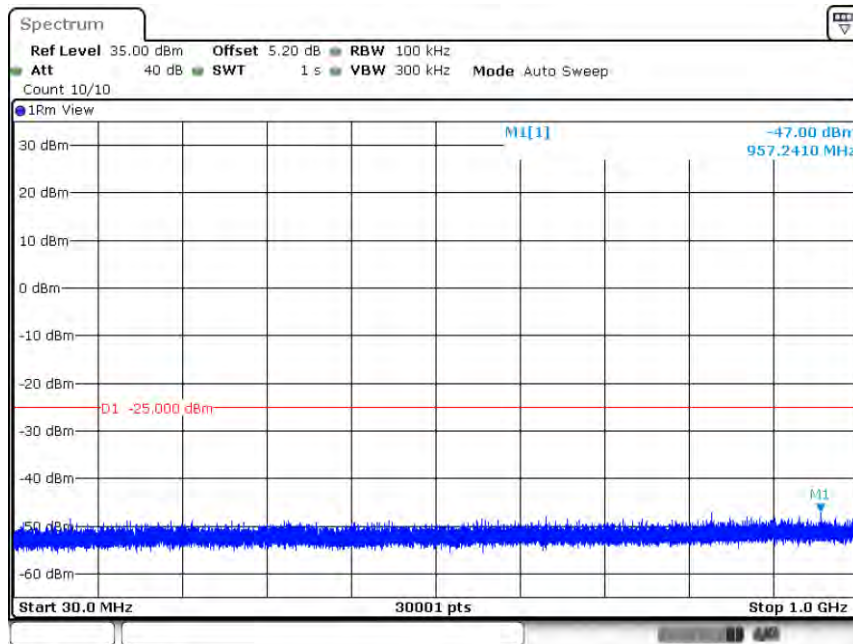
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**Band41-20MHz-16QAM-39750-1RB#0-Range2:1000~30000MHz**



Date: 10 JAN 2021 21:08:42

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



Date: 10 JAN 2021 21:09:37

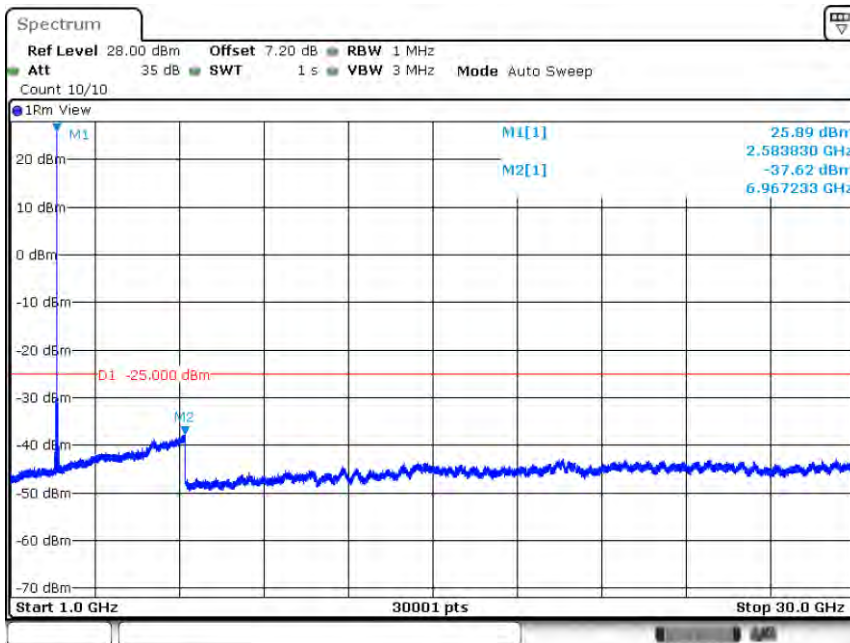


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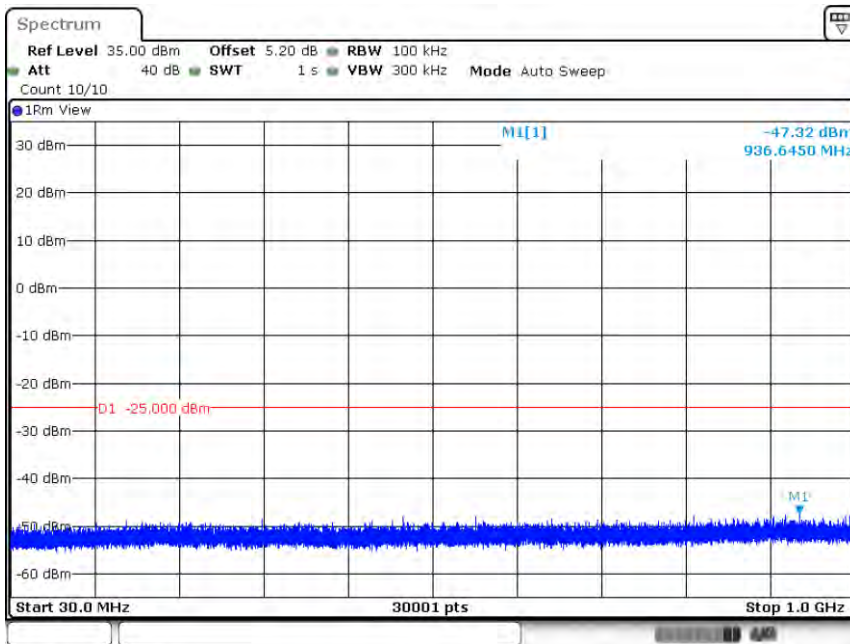


**Band41-20MHz-16QAM-40620-1RB#0-Range2:1000~30000MHz**



Date: 10 JAN 2021 21:09:53

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



Date: 10 JAN 2021 21:10:48

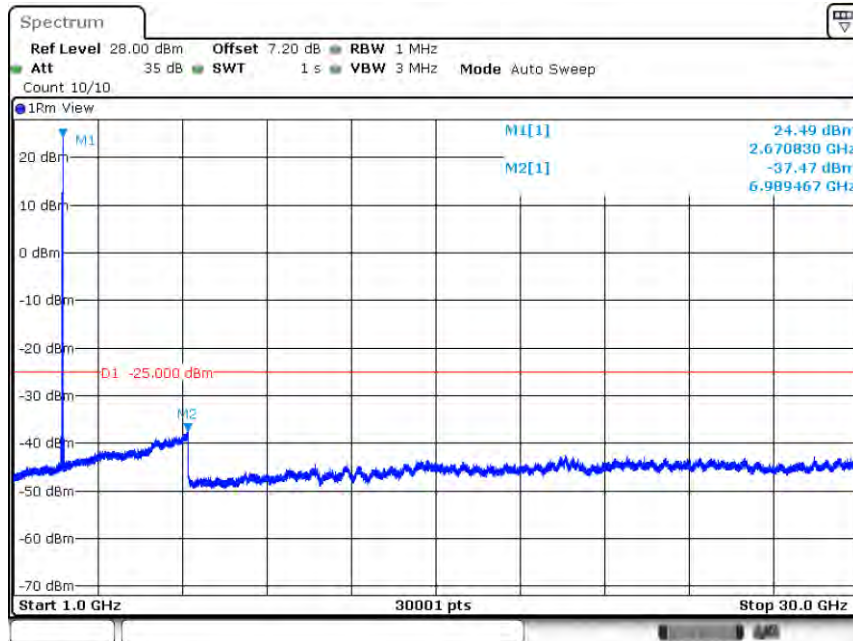


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**Band41-20MHz-16QAM-41490-1RB#0-Range2:1000~30000MHz**



Date: 10 JAN 2021 21:11:04



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## 7. Field Strength of Spurious Radiation

### 7.1. Test Band = LTE\_41-20M\_TM1

#### 7.1.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	44.8417	-70.35	-63.34	-25.00	38.34	Horizontal
2	601.2131	-71.69	-64.04	-25.00	39.04	Horizontal
3	1811.7624	-68.34	-42.41	-25.00	17.41	Horizontal
4	3617.0206	-52.47	-60.63	-25.00	35.63	Horizontal
5	9311.2104	-57.68	-51.85	-25.00	26.85	Horizontal
6	16395.446	-57.12	-42.75	-25.00	17.75	Horizontal



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**7.2. Test Band = LTE\_41-20M\_TM1**

**7.2.1. Test Channel = Low Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	118.5169	-69.90	-64.24	-25.00	39.24	Vertical
2	599.9520	-71.53	-63.89	-25.00	38.89	Vertical
3	1634.9270	-68.60	-43.83	-25.00	18.83	Vertical
4	3883.0294	-52.81	-61.53	-25.00	36.53	Vertical
5	14477.382	-58.84	-46.51	-25.00	21.51	Vertical
6	17994.999	-56.34	-38.59	-25.00	13.59	Vertical



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**7.3. Test Band = LTE\_41-20M\_TM1**

**7.3.1. Test Channel = Mid Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	40.6220	-69.23	-62.44	-25.00	37.44	Horizontal
2	529.0900	-70.67	-64.75	-25.00	39.75	Horizontal
3	1802.5605	-68.46	-42.44	-25.00	17.44	Horizontal
4	3528.0176	-52.10	-60.80	-25.00	35.80	Horizontal
5	9322.2107	-57.42	-51.69	-25.00	26.69	Horizontal
6	16379.946	-56.87	-42.78	-25.00	17.78	Horizontal



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**7.4. Test Band = LTE\_41-20M\_TM1**

**7.4.1. Test Channel = Mid Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	112.5996	-70.64	-64.46	-25.00	39.46	Vertical
2	585.7408	-71.15	-64.21	-25.00	39.21	Vertical
3	1796.1592	-68.48	-43.21	-25.00	18.21	Vertical
4	3813.0271	-52.47	-61.30	-25.00	36.30	Vertical
5	14501.883	-59.44	-46.95	-25.00	21.95	Vertical
6	17997.499	-56.12	-38.30	-25.00	13.30	Vertical



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**7.5. Test Band = LTE\_41-20M\_TM1**

**7.5.1. Test Channel = High Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	40.1855	-70.04	-63.27	-25.00	38.27	Horizontal
2	593.4527	-70.51	-63.03	-25.00	38.03	Horizontal
3	1582.1164	-68.13	-43.84	-25.00	18.84	Horizontal
4	5342.0781	-50.33	-57.33	-25.00	32.33	Horizontal
5	11866.2955	-56.77	-50.15	-25.00	25.15	Horizontal
6	16396.446	-57.16	-42.77	-25.00	17.77	Horizontal



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**7.6. Test Band = LTE\_41-20M\_TM1**  
**7.6.1. Test Channel = High Channel**

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	107.1189	-69.66	-63.92	-25.00	38.92	Vertical
2	559.7435	-70.20	-64.55	-25.00	39.55	Vertical
3	1629.3259	-68.34	-43.60	-25.00	18.60	Vertical
4	3804.5268	-52.50	-61.34	-25.00	36.34	Vertical
5	14498.883	-59.53	-47.03	-25.00	22.03	Vertical
6	17999.500	-56.48	-38.61	-25.00	13.61	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 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
Band41	20MHz	QPSK	39750	100RB#0	VL	NT	-0.90	-0.000359	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	VN	NT	3.30	0.001317	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	VH	NT	0.80	0.000319	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	VL	NT	2.40	0.000926	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	VN	NT	0.40	0.000154	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	VH	NT	4.10	0.001581	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	VL	NT	3.20	0.001194	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	VN	NT	1.80	0.000672	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	VH	NT	1.60	0.000597	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	VL	NT	1.50	0.000599	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	VN	NT	1.00	0.000399	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	VH	NT	2.10	0.000838	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	VL	NT	0.70	0.000270	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	VN	NT	1.60	0.000617	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	VH	NT	0.30	0.000116	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	VL	NT	3.60	0.001343	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	VN	NT	1.40	0.000522	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	VH	NT	0.90	0.000336	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	VL	NT	0.60	0.000239	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	VN	NT	2.00	0.000798	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	VH	NT	2.80	0.001117	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	VL	NT	-0.10	-0.000039	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	VN	NT	3.30	0.001273	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	VH	NT	1.70	0.000656	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	VL	NT	0.00	0.000000	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	VN	NT	2.90	0.001082	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	VH	NT	3.20	0.001194	±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
Band41	20MHz	QPSK	39750	100RB#0	NV	-30	0.90	0.000359	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	-20	0.80	0.000319	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	-10	1.50	0.000599	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	0	2.60	0.001038	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	10	3.10	0.001237	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	20	0.50	0.000200	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	30	2.80	0.001117	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	40	0.10	0.000040	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	50	2.70	0.001077	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-30	2.30	0.000887	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-20	1.00	0.000386	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-10	2.30	0.000887	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	0	3.10	0.001196	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	10	0.10	0.000039	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	20	0.60	0.000231	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	30	2.40	0.000926	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	40	2.00	0.000771	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	50	1.30	0.000501	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-30	0.00	0.000000	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-20	3.50	0.001306	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-10	3.10	0.001157	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	0	1.30	0.000485	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	10	3.70	0.001381	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	20	1.10	0.000410	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	30	2.80	0.001045	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	40	2.50	0.000933	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	50	1.00	0.000373	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	-30	2.50	0.000998	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	-20	0.50	0.000200	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	-10	1.30	0.000519	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	0	3.50	0.001397	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	10	3.20	0.001277	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	20	1.00	0.000399	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	30	3.20	0.001277	±2.5	PASS



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Band41	20MHz	64QAM	39750	100RB#0	NV	40	1.20	0.000479	±2.5	PASS
Band41	20MHz	64QAM	39750	100RB#0	NV	50	2.10	0.000838	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	-30	2.30	0.000887	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	-20	3.40	0.001311	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	-10	1.50	0.000578	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	0	1.90	0.000733	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	10	3.30	0.001273	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	20	0.70	0.000270	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	30	1.70	0.000656	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	40	0.50	0.000193	±2.5	PASS
Band41	20MHz	64QAM	40620	100RB#0	NV	50	2.10	0.000810	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	-30	1.30	0.000485	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	-20	3.60	0.001343	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	-10	1.50	0.000560	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	0	2.70	0.001007	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	10	1.60	0.000597	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	20	1.90	0.000709	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	30	1.90	0.000709	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	40	1.10	0.000410	±2.5	PASS
Band41	20MHz	64QAM	41490	100RB#0	NV	50	1.70	0.000634	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	-30	1.30	0.000519	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	-20	2.80	0.001117	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	-10	3.40	0.001357	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	0	1.70	0.000678	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	10	0.30	0.000120	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	20	1.00	0.000399	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	30	3.70	0.001476	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	40	2.50	0.000998	±2.5	PASS
Band41	20MHz	16QAM	39750	100RB#0	NV	50	3.60	0.001437	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	-30	2.30	0.000887	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	-20	0.90	0.000347	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	-10	0.20	0.000077	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	0	0.80	0.000309	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	10	1.00	0.000386	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	20	2.10	0.000810	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	30	2.90	0.001118	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	40	2.70	0.001041	±2.5	PASS
Band41	20MHz	16QAM	40620	100RB#0	NV	50	2.50	0.000964	±2.5	PASS



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Band41	20MHz	16QAM	41490	100RB#0	NV	-30	4.40	0.001642	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	-20	0.80	0.000299	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	-10	2.40	0.000896	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	0	1.90	0.000709	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	10	3.20	0.001194	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	20	0.00	0.000000	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	30	4.60	0.001716	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	40	4.20	0.001567	±2.5	PASS
Band41	20MHz	16QAM	41490	100RB#0	NV	50	1.60	0.000597	±2.5	PASS



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