Appendix B

E-UTRA Band 5

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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 10MHZ 17

3.1.1. TEST CHANNEL = MCH 17

3.2. TEST MODE = LTE /TM2 10MHZ 18

3.2.1. TEST CHANNEL = MCH 18

3.3. TEST MODE = LTE /TM3 10MHZ 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 MODE =LTE/TM1 10MHZ(UP ANTENNA) 75

7.1.1. TEST CHANNEL = LCH 75

7.1.2. TEST CHANNEL = MCH 75

7.1.3. TEST CHANNEL = HCH 76

7.2. TEST MODE =LTE/TM1 10MHZ(DOWN ANTENNA) 77

7.2.1. TEST CHANNEL = LCH 77

7.2.2. TEST CHANNEL = MCH 77

7.2.3. TEST CHANNEL = HCH 78

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8. FREQUENCY STABILITY.....79

8.1. FREQUENCY VS VOLTAGE 79

8.2. FREQUENCY VS TEMPERATURE 79

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1 Effective (Isotropic) Radiated Power

1.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	ERP (dBm)	limit (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.95	15.91	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.50	15.46	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	24.15	16.11	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	23.56	15.52	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	23.64	15.6	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	23.60	15.56	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.83	14.79	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.85	15.81	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.48	15.44	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.67	15.63	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	23.52	15.48	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	23.44	15.4	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	23.40	15.36	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.57	14.53	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.91	15.87	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.81	15.77	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.70	15.66	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	23.56	15.52	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	23.36	15.32	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	23.54	15.5	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.55	14.51	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	22.37	14.33	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#5	22.25	14.21	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#2	22.33	14.29	38.45	PASS
Band5	1.4MHz	64QAM	20407	3RB#0	21.73	13.69	38.45	PASS
Band5	1.4MHz	64QAM	20407	3RB#1	21.86	13.82	38.45	PASS
Band5	1.4MHz	64QAM	20407	3RB#3	21.70	13.66	38.45	PASS

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Band5	1.4MHz	64QAM	20407	6RB#0	20.80	12.76	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	22.29	14.25	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#2	21.94	13.9	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#5	22.02	13.98	38.45	PASS
Band5	1.4MHz	64QAM	20525	3RB#3	21.63	13.59	38.45	PASS
Band5	1.4MHz	64QAM	20525	3RB#1	21.61	13.57	38.45	PASS
Band5	1.4MHz	64QAM	20525	3RB#0	21.50	13.46	38.45	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	20.60	12.56	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	22.51	14.47	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#2	21.94	13.9	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#5	22.54	14.5	38.45	PASS
Band5	1.4MHz	64QAM	20643	3RB#0	21.63	13.59	38.45	PASS
Band5	1.4MHz	64QAM	20643	3RB#1	21.70	13.66	38.45	PASS
Band5	1.4MHz	64QAM	20643	3RB#3	21.66	13.62	38.45	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	20.66	12.62	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	23.26	15.22	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	23.14	15.1	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	23.22	15.18	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	22.62	14.58	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	22.75	14.71	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	22.59	14.55	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.69	13.65	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	23.18	15.14	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.83	14.79	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.91	14.87	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	22.52	14.48	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	22.50	14.46	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	22.39	14.35	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.49	13.45	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	23.40	15.36	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.83	14.79	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	23.43	15.39	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	22.52	14.48	38.45	PASS

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Band5	1.4MHz	16QAM	20643	3RB#1	22.59	14.55	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	22.55	14.51	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.55	13.51	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.96	15.92	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.58	15.54	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	24.20	16.16	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#4	22.69	14.65	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#0	22.67	14.63	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#7	22.73	14.69	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.83	14.79	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.90	15.86	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.57	15.53	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.77	15.73	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.60	14.56	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#0	22.50	14.46	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#4	22.53	14.49	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.69	14.65	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.96	15.92	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.95	15.91	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.82	15.78	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.68	14.64	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#0	22.47	14.43	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#4	22.59	14.55	38.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.66	14.62	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#8	22.62	14.58	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#14	22.30	14.26	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#0	22.59	14.55	38.45	PASS
Band5	3MHz	64QAM	20415	8RB#0	20.98	12.94	38.45	PASS
Band5	3MHz	64QAM	20415	8RB#4	21.01	12.97	38.45	PASS
Band5	3MHz	64QAM	20415	8RB#7	20.90	12.86	38.45	PASS
Band5	3MHz	64QAM	20415	15RB#0	21.01	12.97	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#14	22.46	14.42	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#0	22.23	14.19	38.45	PASS

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Band5	3MHz	64QAM	20525	8RB#0	20.86	12.82	38.45	PASS
Band5	3MHz	64QAM	20525	8RB#4	20.75	12.71	38.45	PASS
Band5	3MHz	64QAM	20525	8RB#7	20.90	12.86	38.45	PASS
Band5	3MHz	64QAM	20525	15RB#0	20.84	12.8	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#0	22.62	14.58	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#14	22.14	14.1	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#8	22.69	14.65	38.45	PASS
Band5	3MHz	64QAM	20635	8RB#7	20.92	12.88	38.45	PASS
Band5	3MHz	64QAM	20635	8RB#0	20.93	12.89	38.45	PASS
Band5	3MHz	64QAM	20635	8RB#4	20.87	12.83	38.45	PASS
Band5	3MHz	64QAM	20635	15RB#0	20.86	12.82	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	23.37	15.33	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	23.16	15.12	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	23.34	15.3	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#4	21.67	13.63	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#0	21.80	13.76	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#7	21.60	13.56	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.80	13.76	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	23.28	15.24	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.93	14.89	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	23.04	15	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#0	21.62	13.58	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#7	21.60	13.56	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#4	21.52	13.48	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.57	13.53	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	23.46	15.42	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.89	14.85	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	23.47	15.43	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#0	21.59	13.55	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#4	21.61	13.57	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#7	21.58	13.54	38.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.69	13.65	38.45	PASS

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Band5	5MHz	QPSK	20425	1RB#24	24.03	15.99	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.70	15.66	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	24.26	16.22	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#13	22.74	14.7	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#6	22.71	14.67	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#0	22.77	14.73	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.88	14.84	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	24.04	16	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.65	15.61	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.83	15.79	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.62	14.58	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.62	14.58	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.62	14.58	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.76	14.72	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.98	15.94	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.97	15.93	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.84	15.8	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#0	22.71	14.67	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#6	22.60	14.56	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#13	22.68	14.64	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.67	14.63	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#24	22.48	14.44	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#12	22.27	14.23	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#0	22.45	14.41	38.45	PASS
Band5	5MHz	64QAM	20425	12RB#0	20.78	12.74	38.45	PASS
Band5	5MHz	64QAM	20425	12RB#6	20.91	12.87	38.45	PASS
Band5	5MHz	64QAM	20425	12RB#13	20.71	12.67	38.45	PASS
Band5	5MHz	64QAM	20425	25RB#0	20.91	12.87	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#12	22.39	14.35	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#24	22.04	14	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#0	22.15	14.11	38.45	PASS
Band5	5MHz	64QAM	20525	12RB#13	20.73	12.69	38.45	PASS
Band5	5MHz	64QAM	20525	12RB#0	20.71	12.67	38.45	PASS

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Band5	5MHz	64QAM	20525	12RB#6	20.63	12.59	38.45	PASS
Band5	5MHz	64QAM	20525	25RB#0	20.68	12.64	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#0	22.57	14.53	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#12	22.00	13.96	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#24	22.58	14.54	38.45	PASS
Band5	5MHz	64QAM	20625	12RB#6	20.70	12.66	38.45	PASS
Band5	5MHz	64QAM	20625	12RB#0	20.72	12.68	38.45	PASS
Band5	5MHz	64QAM	20625	12RB#13	20.69	12.65	38.45	PASS
Band5	5MHz	64QAM	20625	25RB#0	20.80	12.76	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	23.37	15.33	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	23.17	15.13	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	23.45	15.41	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#0	21.79	13.75	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#13	21.84	13.8	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#6	21.69	13.65	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.86	13.82	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	23.31	15.27	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.98	14.94	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	23.18	15.14	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#0	21.70	13.66	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#6	21.63	13.59	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#13	21.66	13.62	38.45	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.59	13.55	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	23.47	15.43	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.97	14.93	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	23.52	15.48	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#0	21.72	13.68	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#6	21.71	13.67	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#13	21.68	13.64	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.74	13.7	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	24.17	16.13	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.78	15.74	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	24.27	16.23	38.45	PASS

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Band5	10MHz	QPSK	20450	25RB#12	22.79	14.75	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.81	14.77	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.85	14.81	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.88	14.84	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	24.04	16	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.65	15.61	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.88	15.84	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.72	14.68	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.65	14.61	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.74	14.7	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.88	14.84	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	24.03	15.99	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	24.02	15.98	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.92	15.88	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.71	14.67	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.70	14.66	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#25	22.69	14.65	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.78	14.74	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#0	22.48	14.44	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#24	22.28	14.24	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#49	22.56	14.52	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#25	20.90	12.86	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#0	20.95	12.91	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#12	20.80	12.76	38.45	PASS
Band5	10MHz	64QAM	20450	50RB#0	20.97	12.93	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#0	22.42	14.38	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#24	22.09	14.05	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#49	22.29	14.25	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#0	20.81	12.77	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#12	20.74	12.7	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#25	20.77	12.73	38.45	PASS
Band5	10MHz	64QAM	20525	50RB#0	20.70	12.66	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#49	22.58	14.54	38.45	PASS

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Band5	10MHz	64QAM	20600	1RB#0	22.08	14.04	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#24	22.63	14.59	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#0	20.83	12.79	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#25	20.82	12.78	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#12	20.79	12.75	38.45	PASS
Band5	10MHz	64QAM	20600	50RB#0	20.85	12.81	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	23.51	15.47	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	23.19	15.15	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	23.48	15.44	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.87	13.83	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#12	21.90	13.86	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.79	13.75	38.45	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.90	13.86	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	23.35	15.31	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	23.12	15.08	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	23.27	15.23	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.75	13.71	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#12	21.64	13.6	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#25	21.79	13.75	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.73	13.69	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	23.51	15.47	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	23.03	14.99	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	23.58	15.54	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#25	21.81	13.77	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#12	21.82	13.78	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#0	21.76	13.72	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.75	13.71	38.45	PASS

Remark:

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

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

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

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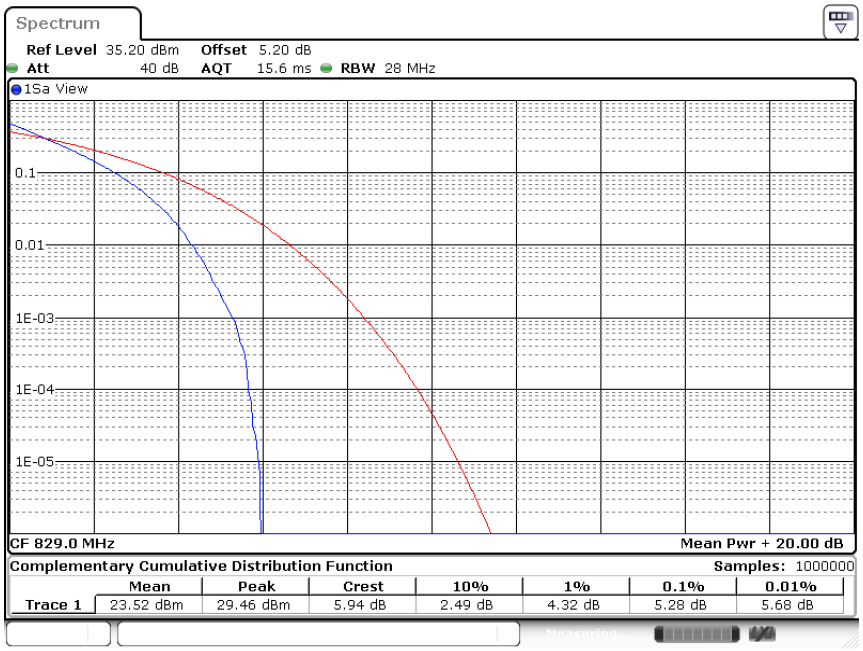
2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	10MHz	QPSK	20450	50RB#0	5.28	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.33	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.22	13	PASS
Band5	10MHz	64QAM	20450	50RB#0	6.35	13	PASS
Band5	10MHz	64QAM	20525	50RB#0	6.35	13	PASS
Band5	10MHz	64QAM	20600	50RB#0	6.35	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	5.86	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	5.97	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.97	13	PASS

2.2. Test Plots

Band5-10MHz-QPSK-20450-50RB#0



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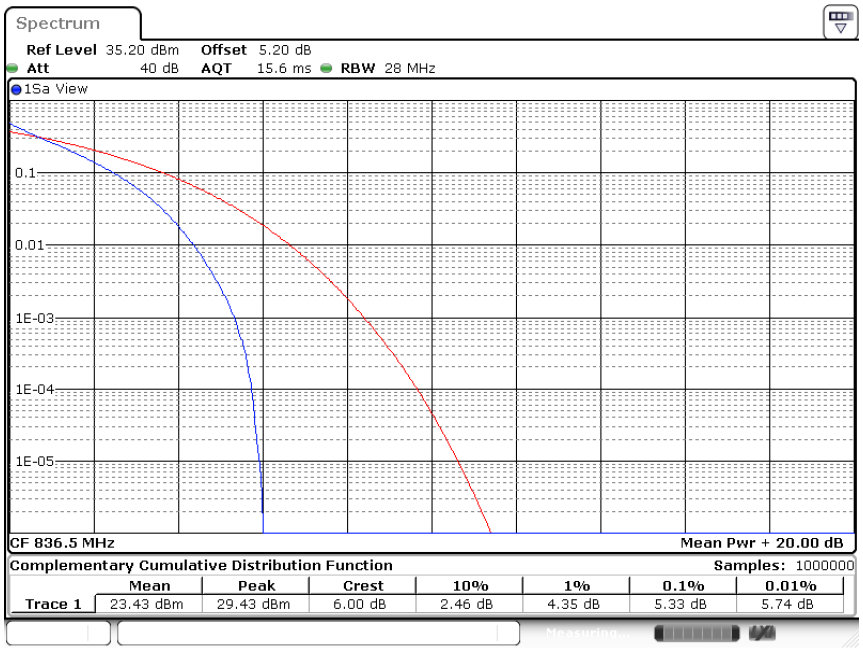
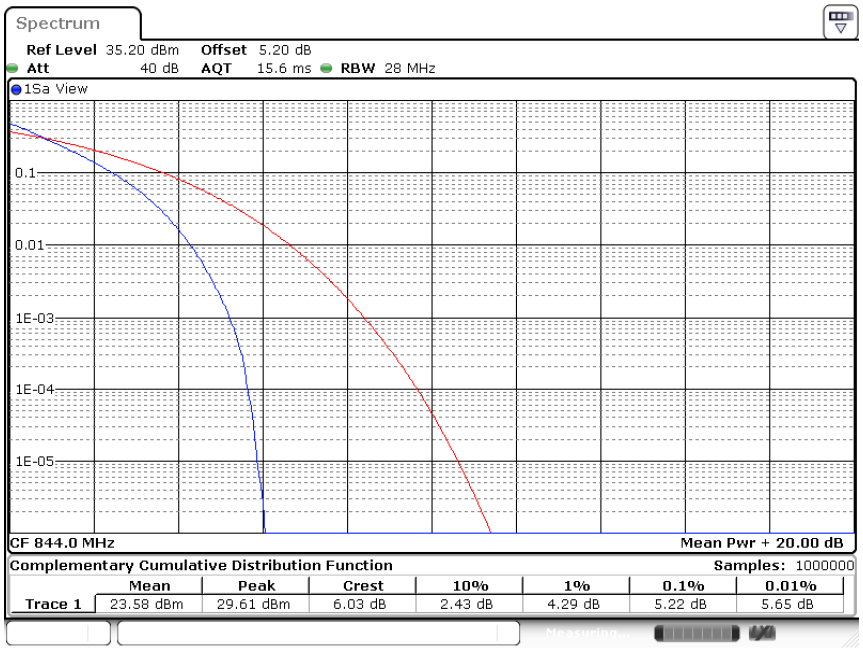
Band5-10MHz-QPSK-20525-50RB#0



Date: 15.AUG.2020 00:08:43

Band5-10MHz-QPSK-20600-50RB#0



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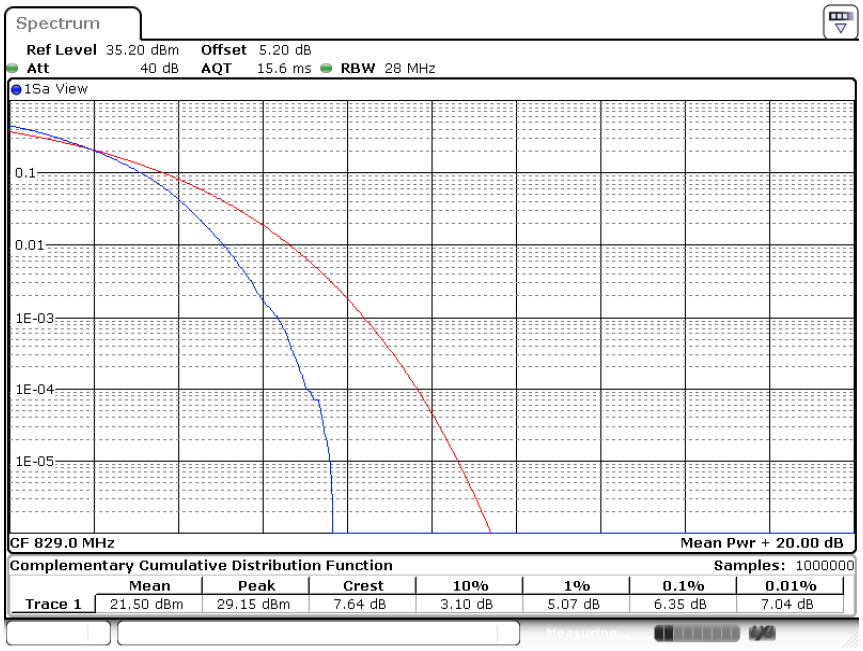

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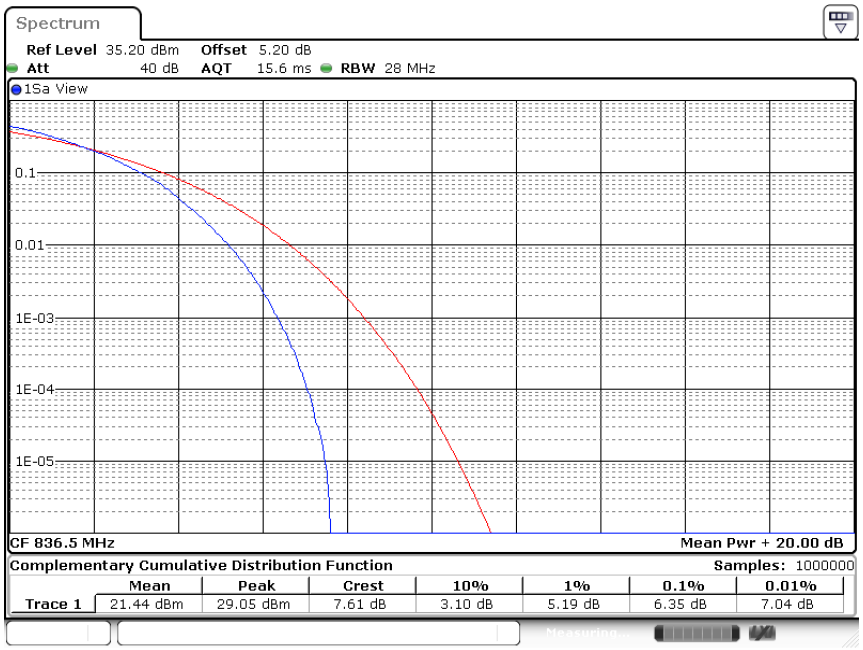
Band5-10MHz-64QAM-20525-50RB#0



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SGS-CSTC Standards Technical Services Co.,Ltd.
Shenzhen Branch Testing Center-EEC Laboratory.

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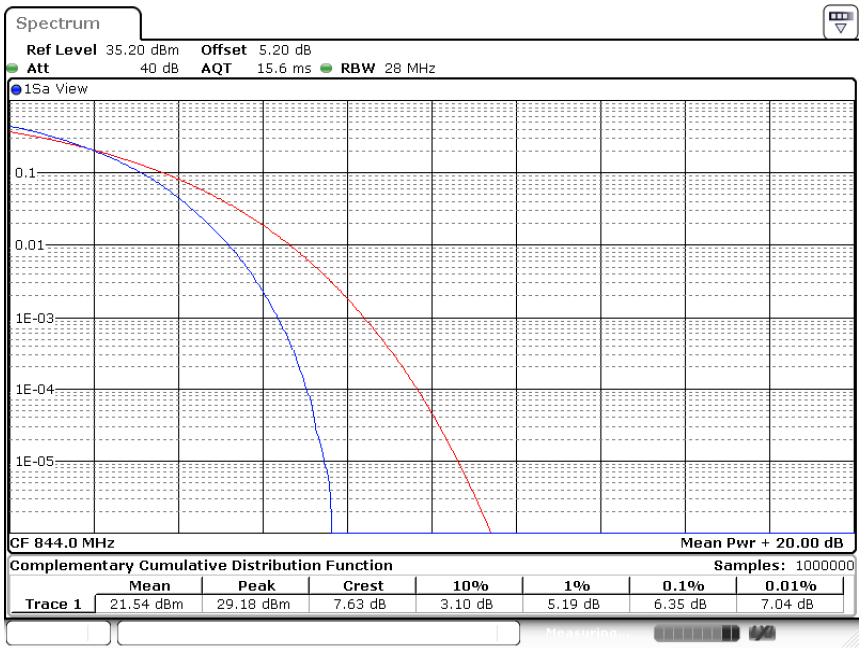
Band5-10MHz-64QAM-20600-50RB#0



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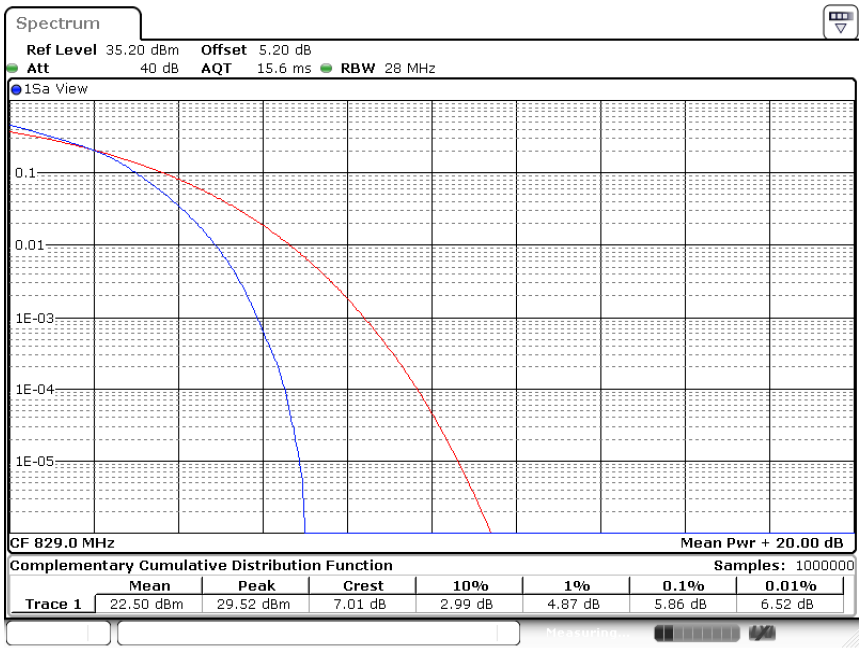

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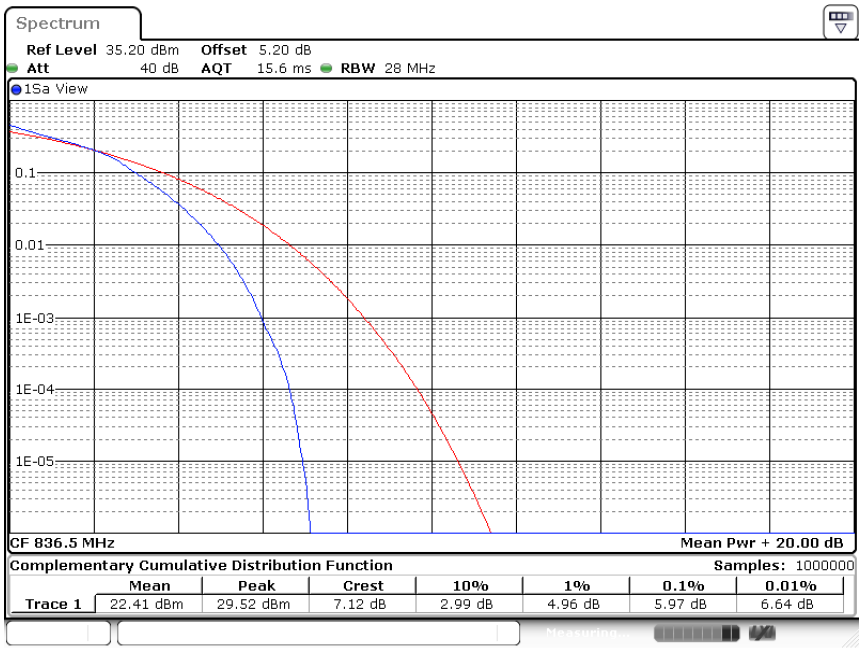
Band5-10MHz-16QAM-20525-50RB#0



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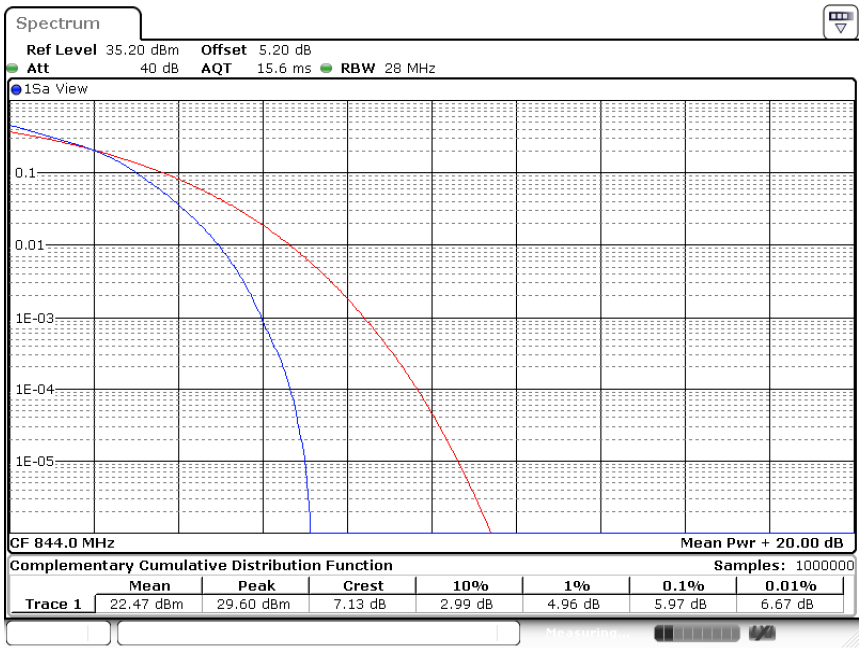

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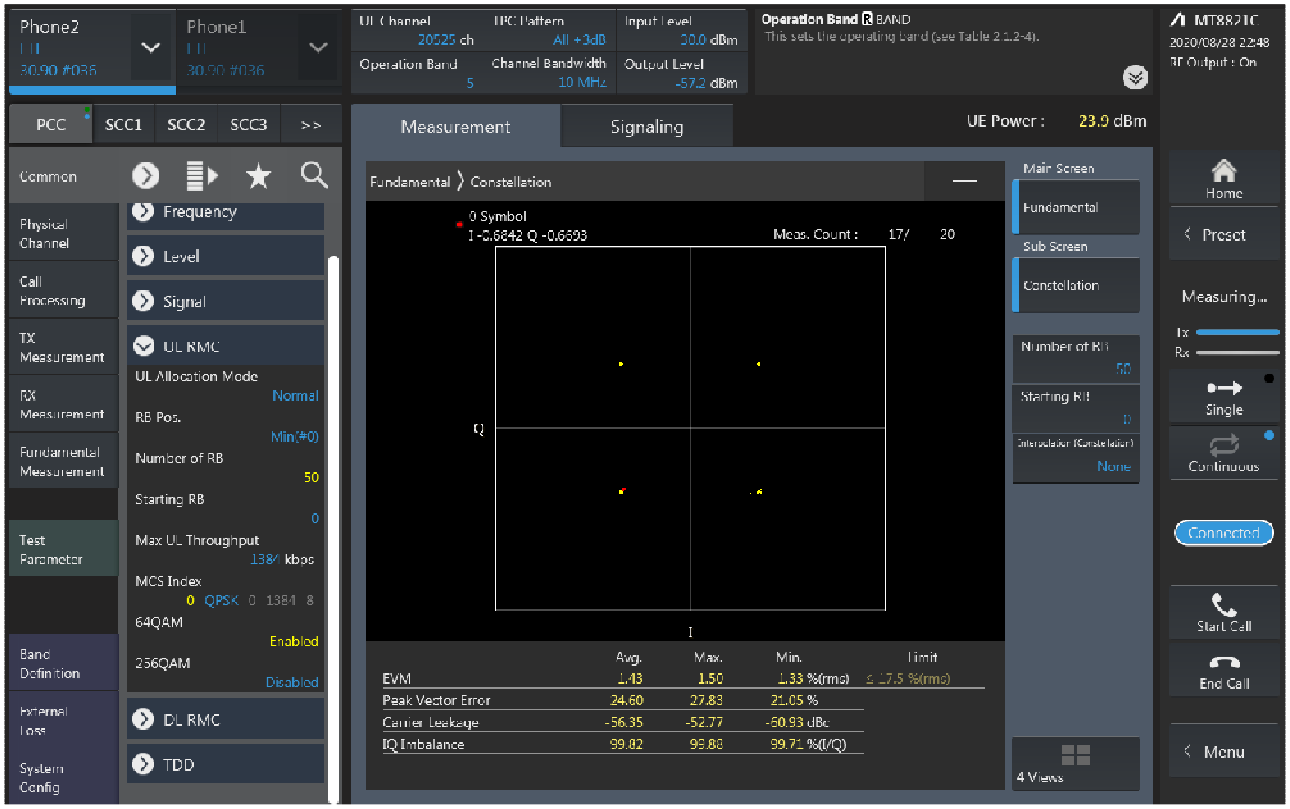
3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 10MHz

3.1.1.Test Channel = MCH



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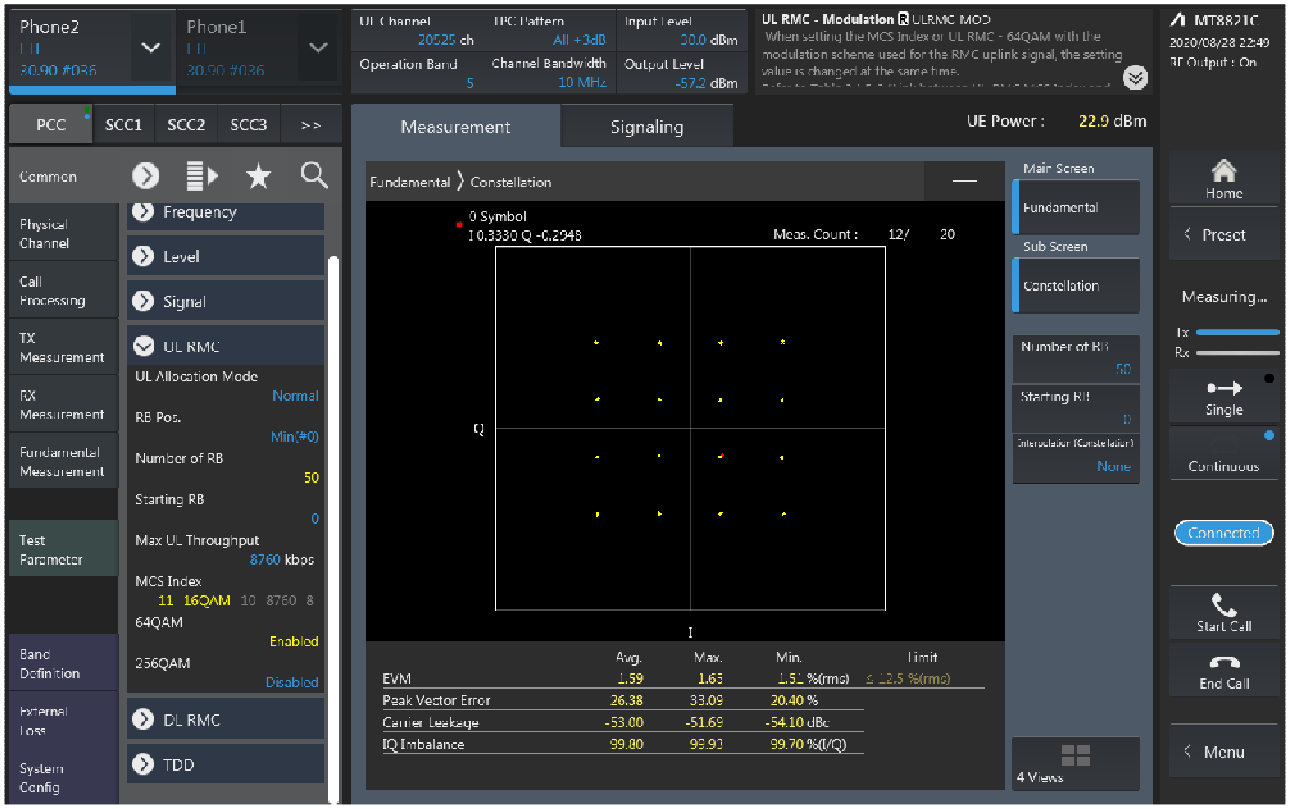
3.2. Test Mode = LTE /TM2 10MHz

3.2.1.Test Channel = MCH



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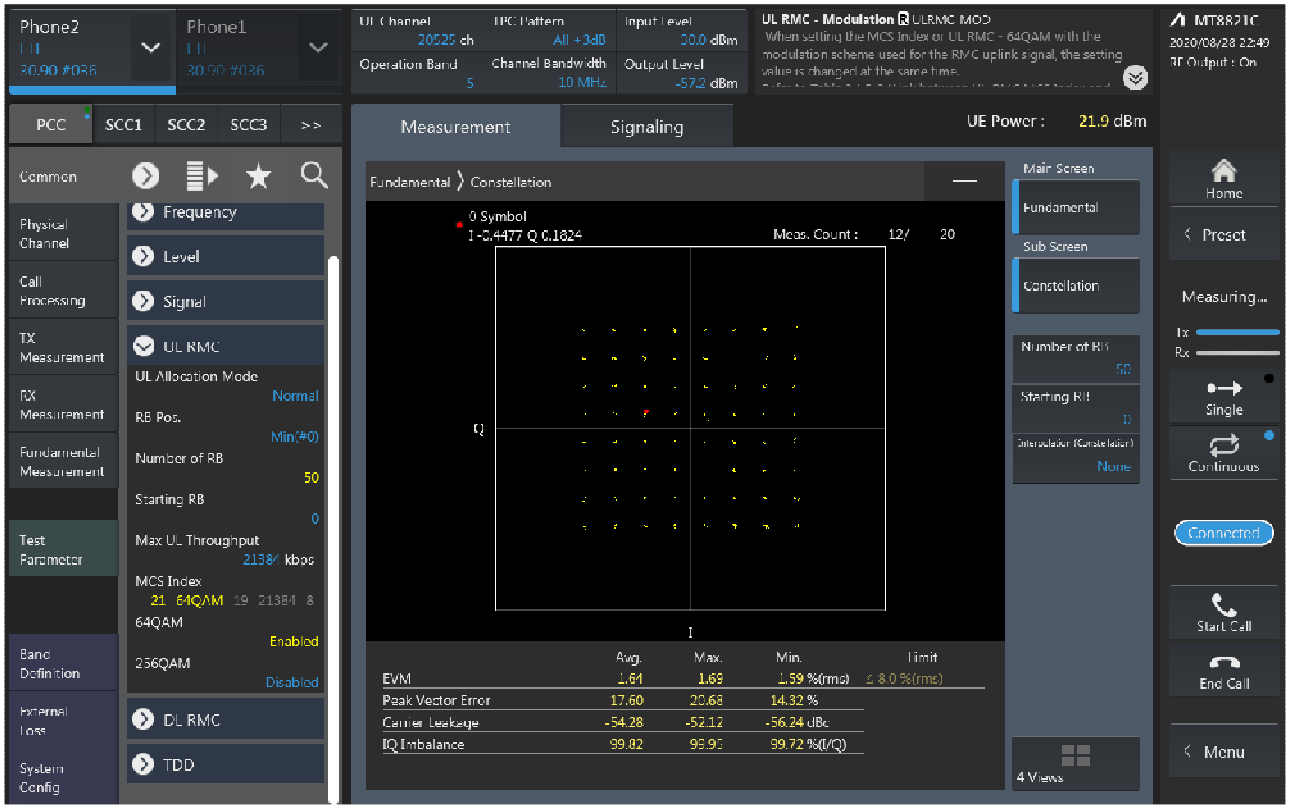
3.3. Test Mode = LTE /TM3 10MHz

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
Band5	1.4MHz	QPSK	20407	6RB#0	1.094	1.284	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.091	1.284	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.094	1.299	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	1.097	1.287	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	1.097	1.296	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	1.097	1.293	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.091	1.278	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.091	1.278	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.091	1.278	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.697	2.988	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.697	3.000	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.697	2.982	PASS
Band5	3MHz	64QAM	20415	15RB#0	2.691	2.982	PASS
Band5	3MHz	64QAM	20525	15RB#0	2.685	2.976	PASS
Band5	3MHz	64QAM	20635	15RB#0	2.691	2.976	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.685	2.976	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.691	2.964	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.691	2.964	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.476	4.920	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.476	4.950	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.476	4.900	PASS
Band5	5MHz	64QAM	20425	25RB#0	4.466	4.920	PASS
Band5	5MHz	64QAM	20525	25RB#0	4.476	4.920	PASS
Band5	5MHz	64QAM	20625	25RB#0	4.476	4.890	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.476	4.960	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.486	4.970	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.496	4.960	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.891	9.660	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.951	9.780	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.931	9.740	PASS
Band5	10MHz	64QAM	20450	50RB#0	8.911	9.640	PASS

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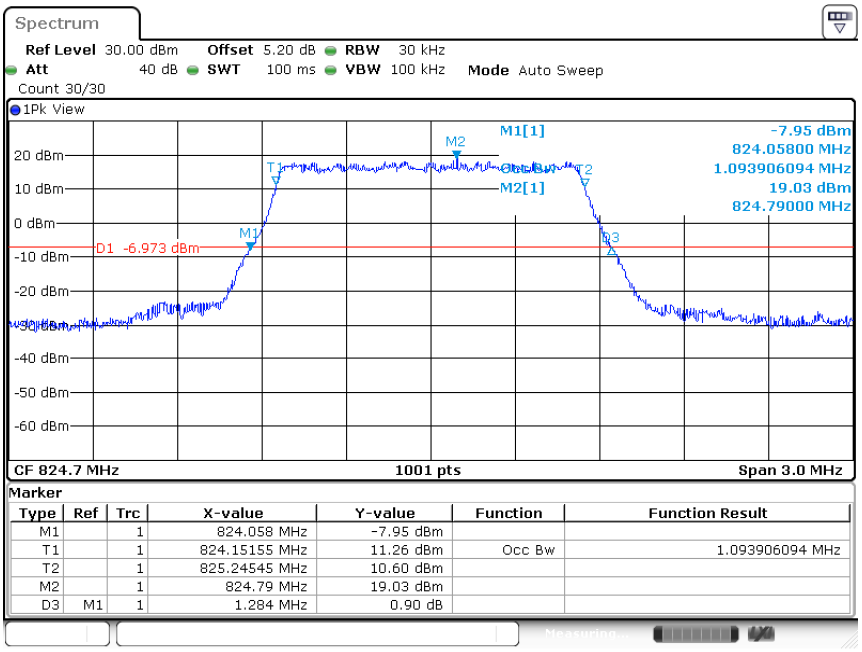
Band5	10MHz	64QAM	20525	50RB#0	8.931	9.740	PASS
Band5	10MHz	64QAM	20600	50RB#0	8.911	9.660	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.911	9.700	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.951	9.800	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.911	9.700	PASS

4.2. Test Plots

Band5-1.4MHz-QPSK-20407-6RB#0-1.094



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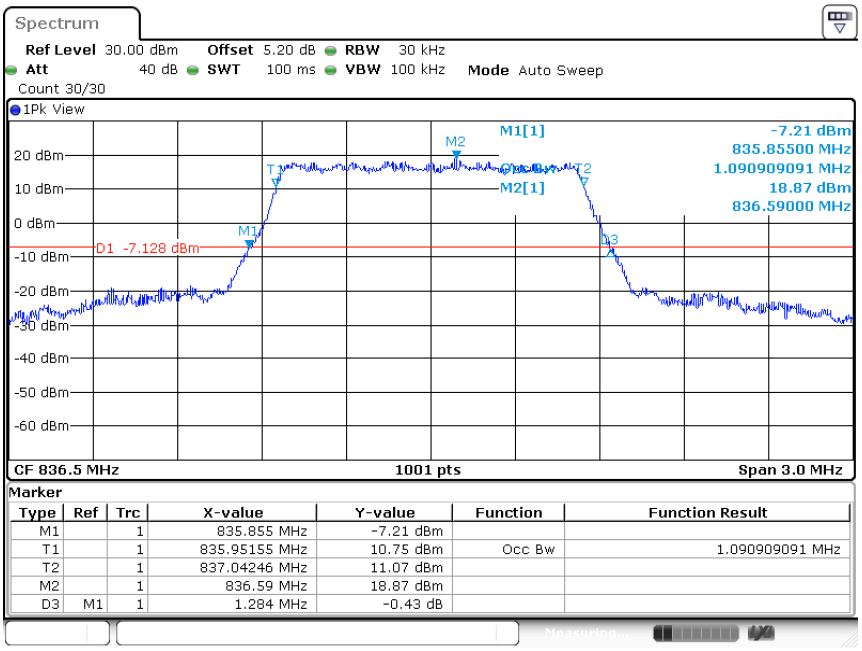
Band5-1.4MHz-QPSK-20525-6RB#0-1.091



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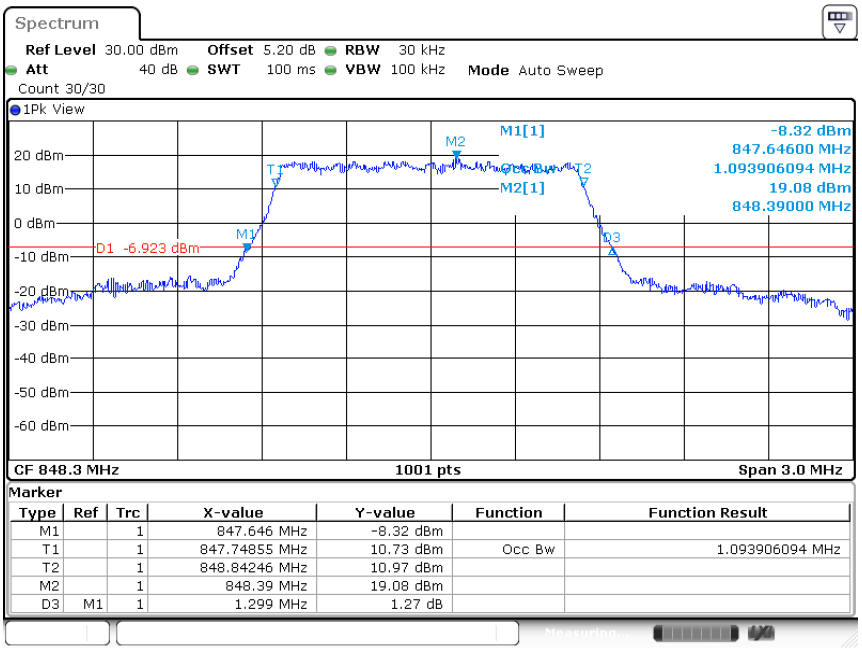
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	835.855 MHz	-7.21 dBm		
T1		1	835.95155 MHz	10.75 dBm	Occ Bw	1.090909091 MHz
T2		1	837.04246 MHz	11.07 dBm		
M2		1	836.59 MHz	18.87 dBm		
D3	M1	1	1.284 MHz	-0.43 dB		

Date: 14.AUG.2020 23:41:54

Band5-1.4MHz-QPSK-20643-6RB#0-1.094



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	847.646 MHz	-8.32 dBm		
T1		1	847.74855 MHz	10.73 dBm	Occ Bw	1.093906094 MHz
T2		1	848.84246 MHz	10.97 dBm		
M2		1	848.39 MHz	19.08 dBm		
D3	M1	1	1.299 MHz	1.27 dB		

Date: 14.AUG.2020 23:42:20

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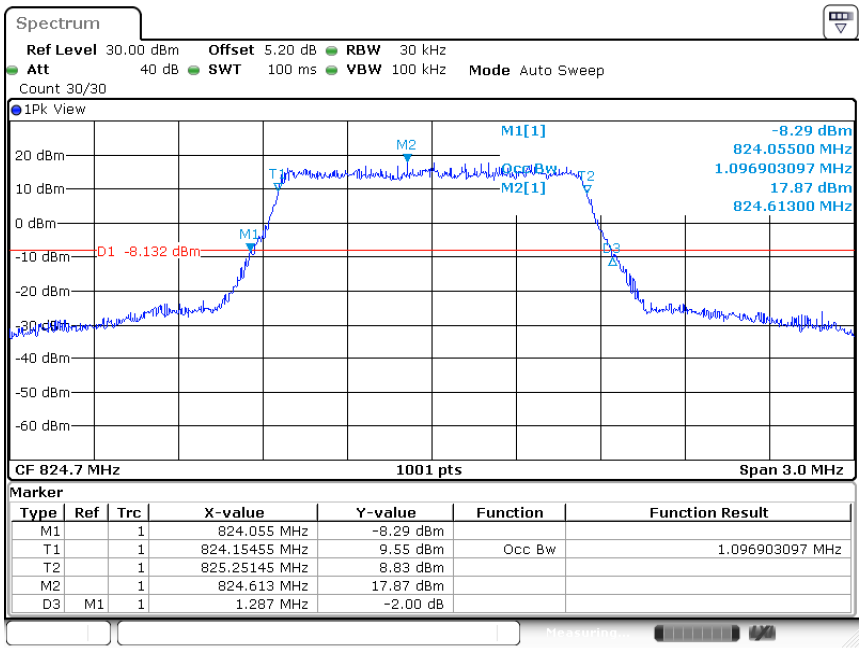
Band5-1.4MHz-64QAM-20407-6RB#0-1.097



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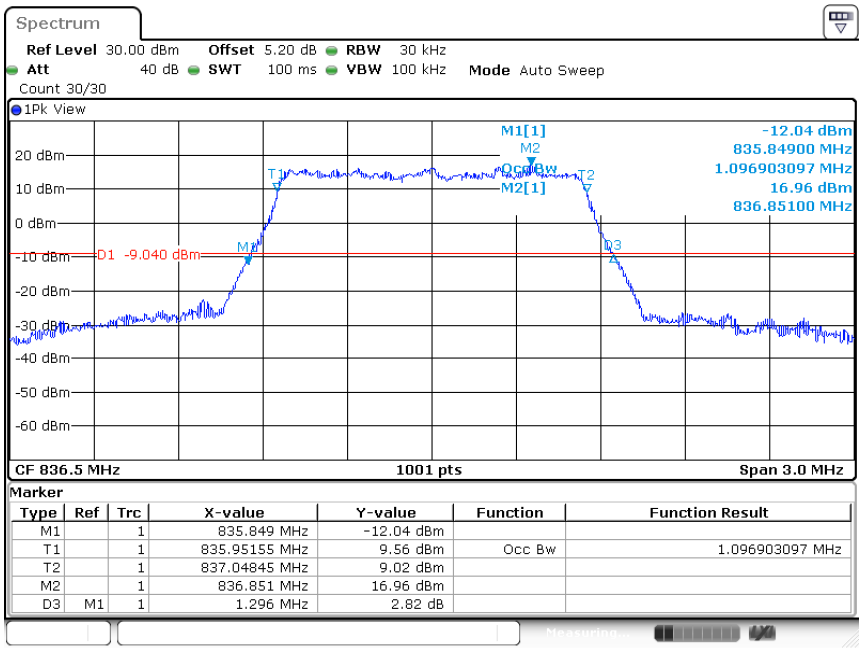
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	824.055 MHz	-8.29 dBm		
T1		1	824.15455 MHz	9.55 dBm	Occ Bw	1.096903097 MHz
T2		1	825.25145 MHz	8.83 dBm		
M2		1	824.613 MHz	17.87 dBm		
D3	M1	1	1.287 MHz	-2.00 dB		

Date: 15.AUG.2020 02:03:51

Band5-1.4MHz-64QAM-20525-6RB#0-1.097



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	835.849 MHz	-12.04 dBm		
T1		1	835.95155 MHz	9.56 dBm	Occ Bw	1.096903097 MHz
T2		1	837.04845 MHz	9.02 dBm		
M2		1	836.851 MHz	16.96 dBm		
D3	M1	1	1.296 MHz	2.82 dB		

Date: 15.AUG.2020 02:04:04

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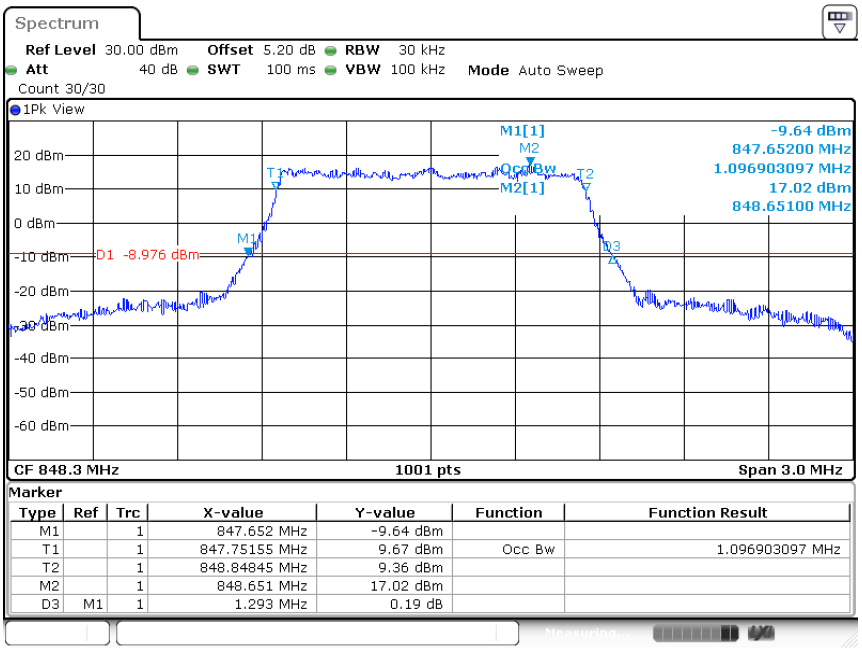
Band5-1.4MHz-64QAM-20643-6RB#0-1.097

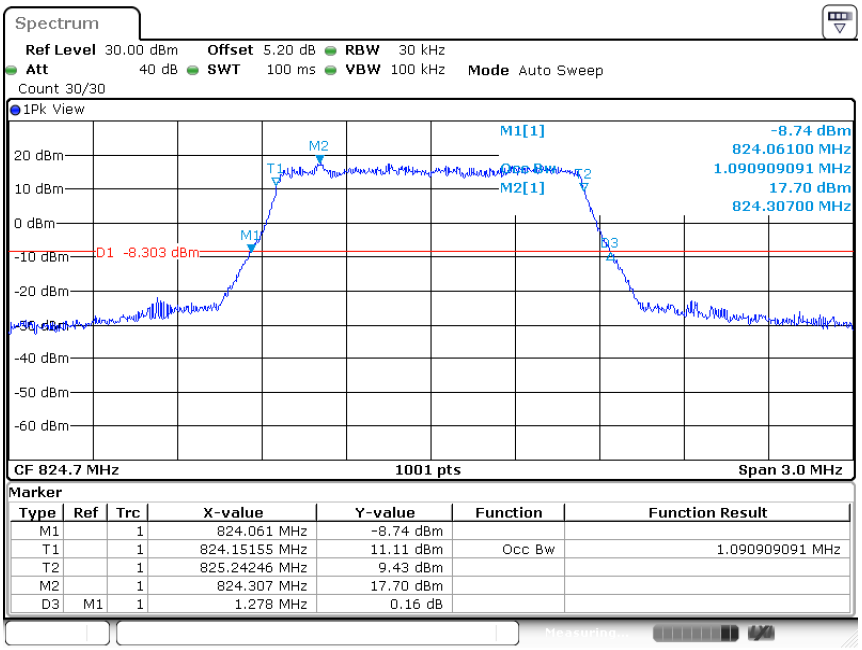


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	847.652 MHz	-9.64 dBm		
T1		1	847.75155 MHz	9.67 dBm	Occ Bw	1.096903097 MHz
T2		1	848.84845 MHz	9.36 dBm		
M2		1	848.651 MHz	17.02 dBm		
D3	M1	1	1.293 MHz	0.19 dB		

Date: 15.AUG.2020 02:04:17

Band5-1.4MHz-16QAM-20407-6RB#0-1.091



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	824.061 MHz	-8.74 dBm		
T1		1	824.15155 MHz	11.11 dBm	Occ Bw	1.090909091 MHz
T2		1	825.24246 MHz	9.43 dBm		
M2		1	824.307 MHz	17.70 dBm		
D3	M1	1	1.278 MHz	0.16 dB		

Date: 14.AUG.2020 23:41:41

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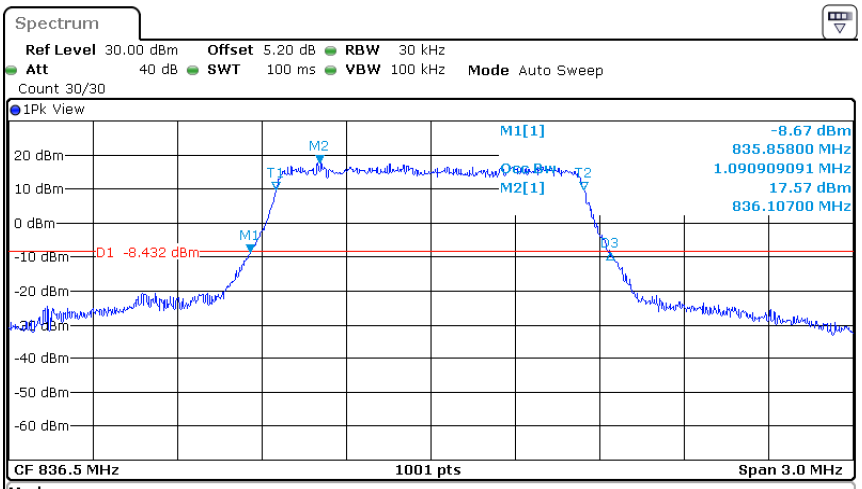
Band5-1.4MHz-16QAM-20525-6RB#0-1.091



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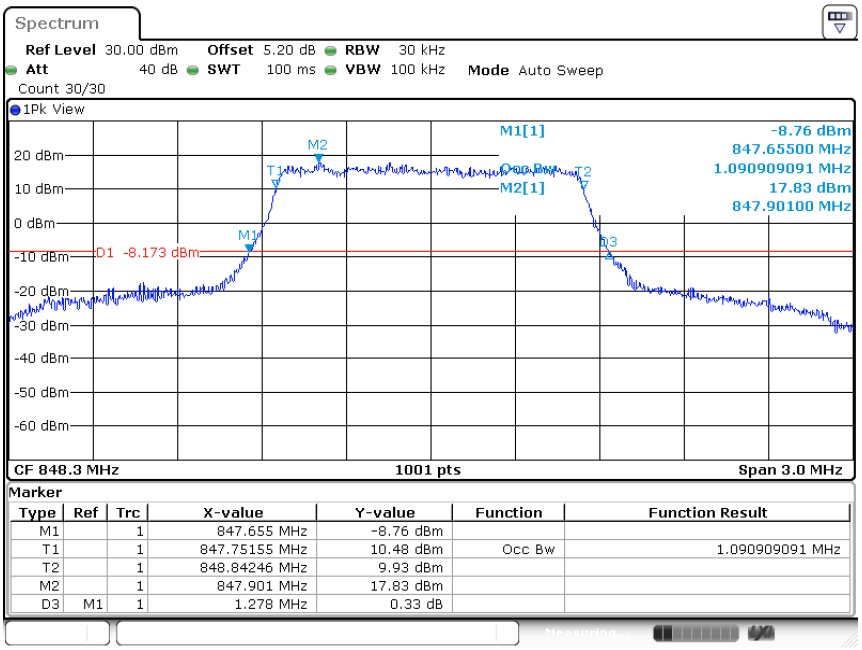
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	835.858 MHz	-8.67 dBm		
T1		1	835.95155 MHz	9.62 dBm	Occ Bw	1.090909091 MHz
T2		1	837.04246 MHz	9.62 dBm		
M2		1	836.107 MHz	17.57 dBm		
D3	M1	1	1.278 MHz	0.17 dB		

Date: 14.AUG.2020 23:42:07

Band5-1.4MHz-16QAM-20643-6RB#0-1.091



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	847.655 MHz	-8.76 dBm		
T1		1	847.75155 MHz	10.48 dBm	Occ Bw	1.090909091 MHz
T2		1	848.84246 MHz	9.93 dBm		
M2		1	847.901 MHz	17.83 dBm		
D3	M1	1	1.278 MHz	0.33 dB		

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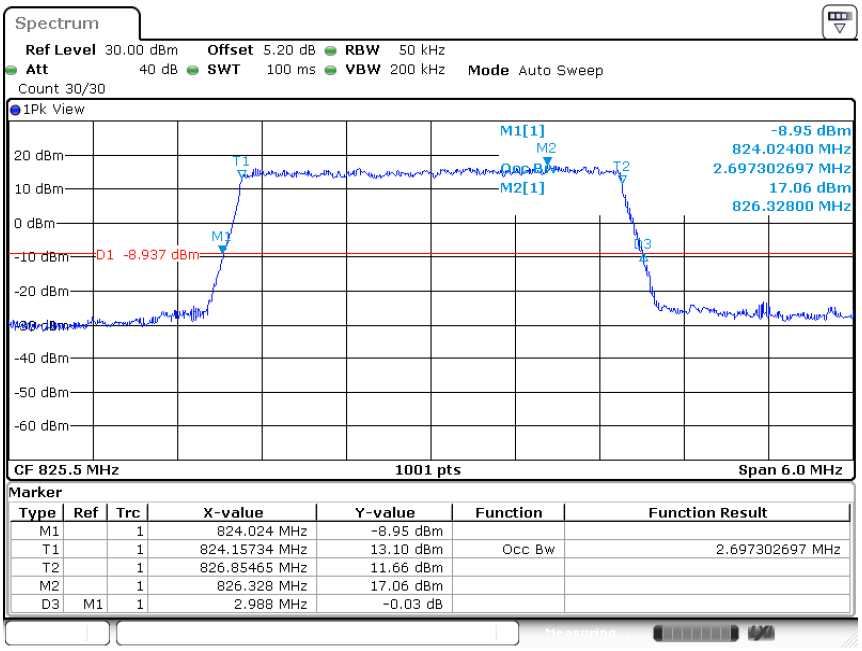
Band5-3MHz-QPSK-20415-15RB#0-2.697

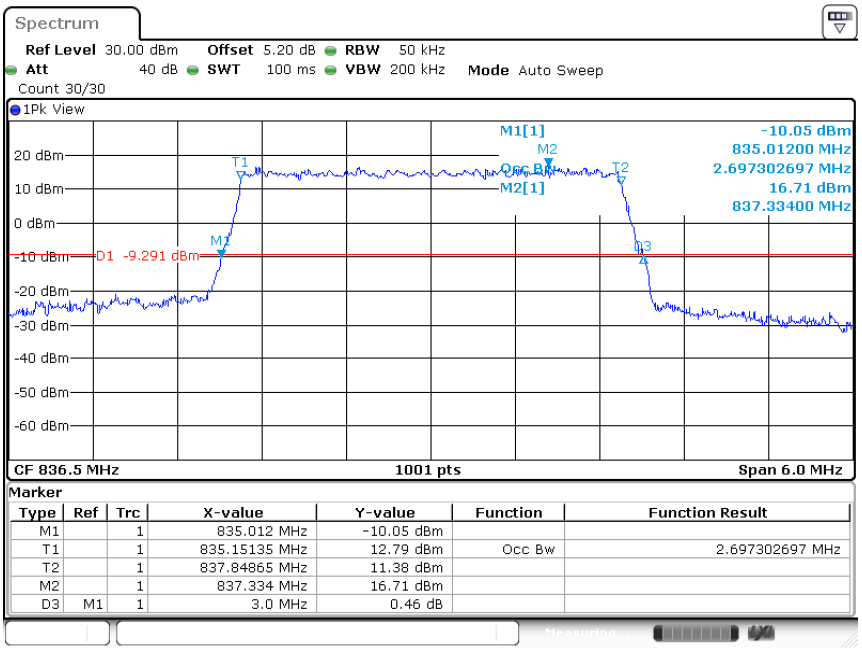


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	824.024 MHz	-8.95 dBm		
T1		1	824.15734 MHz	13.10 dBm	Occ Bw	2.697302697 MHz
T2		1	826.85465 MHz	11.66 dBm		
M2		1	826.328 MHz	17.06 dBm		
D3	M1	1	2.988 MHz	-0.03 dB		

Date: 14.AUG.2020 23:42:52

Band5-3MHz-QPSK-20525-15RB#0-2.697



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	835.012 MHz	-10.05 dBm		
T1		1	835.15135 MHz	12.79 dBm	Occ Bw	2.697302697 MHz
T2		1	837.84865 MHz	11.38 dBm		
M2		1	837.334 MHz	16.71 dBm		
D3	M1	1	3.0 MHz	0.46 dB		

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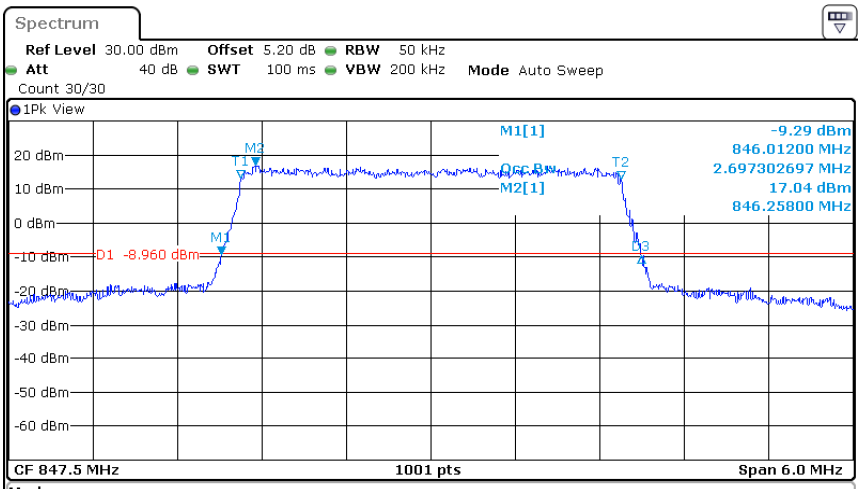
Band5-3MHz-QPSK-20635-15RB#0-2.697

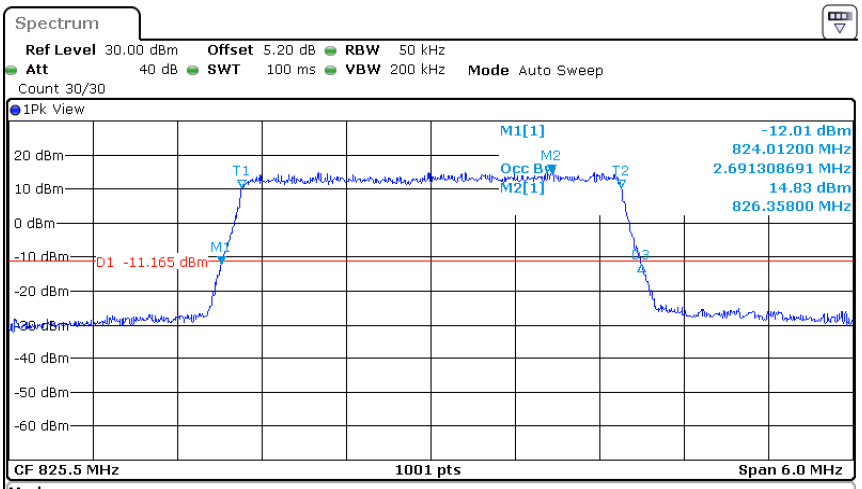


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	846.012 MHz	-9.29 dBm		
T1		1	846.15135 MHz	13.12 dBm	Occ Bw	2.697302697 MHz
T2		1	848.84865 MHz	12.84 dBm		
M2		1	846.258 MHz	17.04 dBm		
D3	M1	1	2.982 MHz	-0.39 dB		

Date: 14.AUG.2020 23:43:45

Band5-3MHz-64QAM-20415-15RB#0-2.691



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	824.012 MHz	-12.01 dBm		
T1		1	824.15734 MHz	10.47 dBm	Occ Bw	2.691308691 MHz
T2		1	826.84865 MHz	10.48 dBm		
M2		1	826.358 MHz	14.83 dBm		
D3	M1	1	2.982 MHz	0.07 dB		

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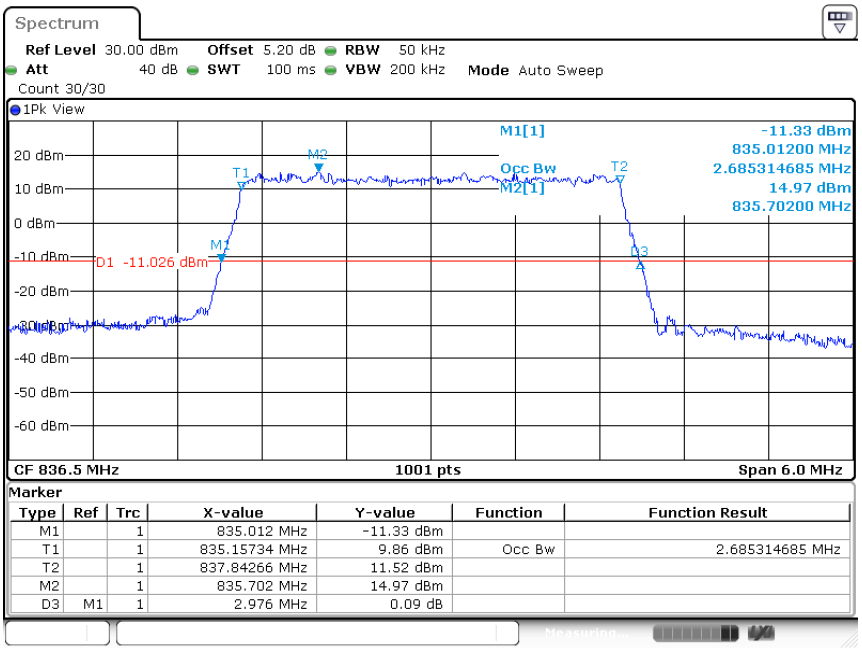
Band5-3MHz-64QAM-20525-15RB#0-2.685



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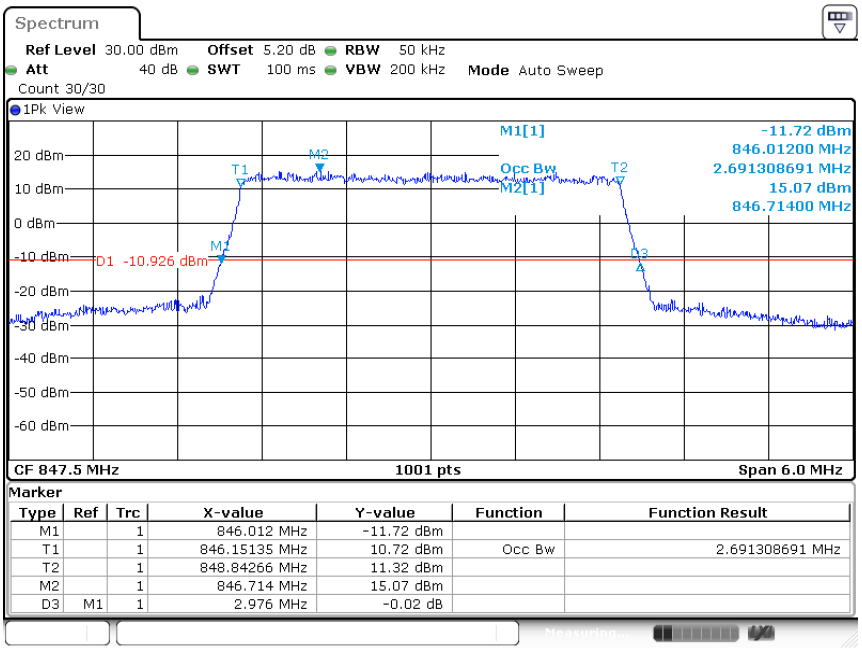
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	835.012 MHz	-11.33 dBm		
T1		1	835.15734 MHz	9.86 dBm	Occ Bw	2.685314685 MHz
T2		1	837.84266 MHz	11.52 dBm		
M2		1	835.702 MHz	14.97 dBm		
D3	M1	1	2.976 MHz	0.09 dB		

Date: 15.AUG.2020 02:04:50

Band5-3MHz-64QAM-20635-15RB#0-2.691



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	846.012 MHz	-11.72 dBm		
T1		1	846.15135 MHz	10.72 dBm	Occ Bw	2.691308691 MHz
T2		1	848.84266 MHz	11.32 dBm		
M2		1	846.714 MHz	15.07 dBm		
D3	M1	1	2.976 MHz	-0.02 dB		

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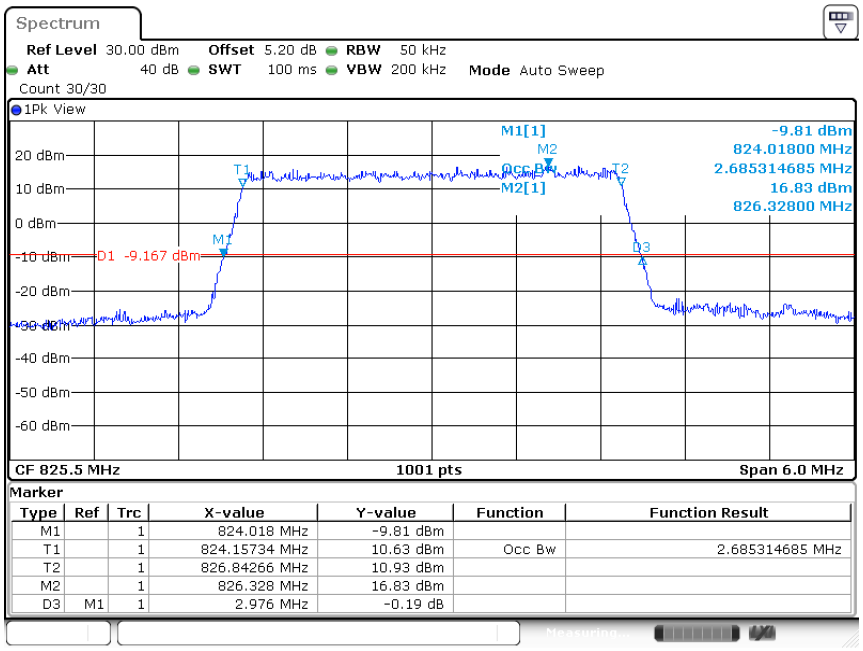
Band5-3MHz-16QAM-20415-15RB#0-2.685



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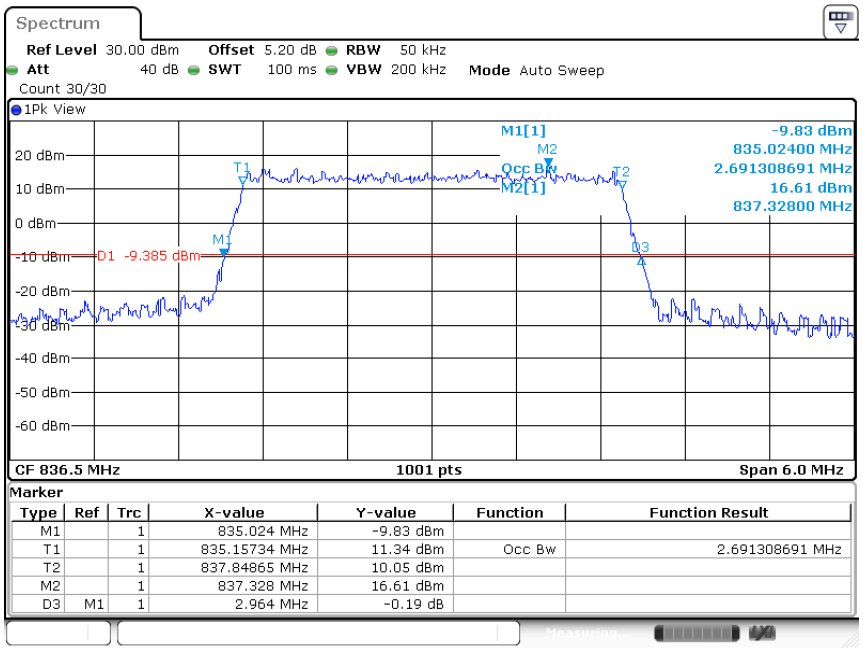
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	824.018 MHz	-9.81 dBm		
T1		1	824.15734 MHz	10.63 dBm	Occ Bw	2.685314685 MHz
T2		1	826.84266 MHz	10.93 dBm		
M2		1	826.328 MHz	16.83 dBm		
D3	M1	1	2.976 MHz	-0.19 dB		

Date: 14.AUG.2020 23:43:05

Band5-3MHz-16QAM-20525-15RB#0-2.691



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	835.024 MHz	-9.83 dBm		
T1		1	835.15734 MHz	11.34 dBm	Occ Bw	2.691308691 MHz
T2		1	837.84865 MHz	10.05 dBm		
M2		1	837.328 MHz	16.61 dBm		
D3	M1	1	2.964 MHz	-0.19 dB		

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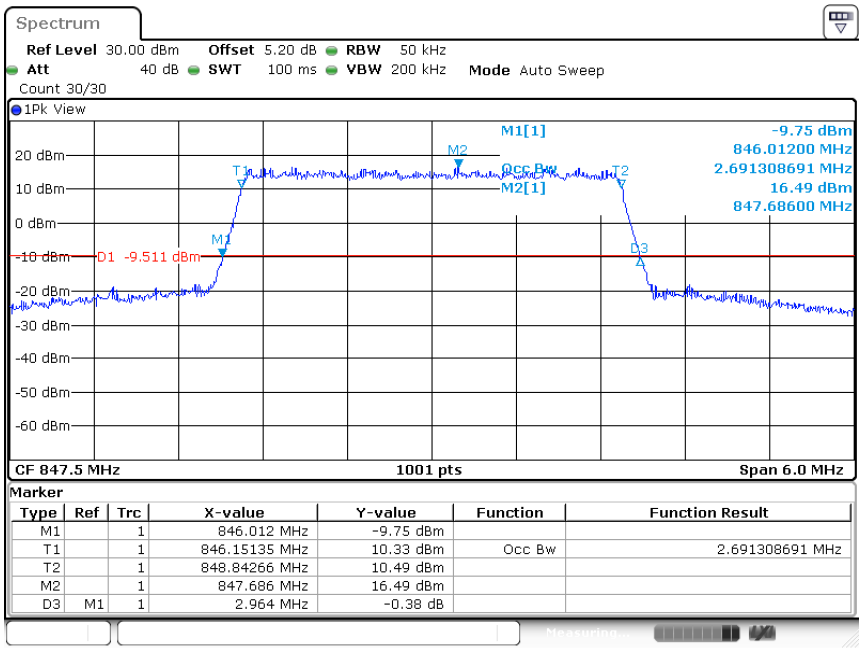
Band5-3MHz-16QAM-20635-15RB#0-2.691



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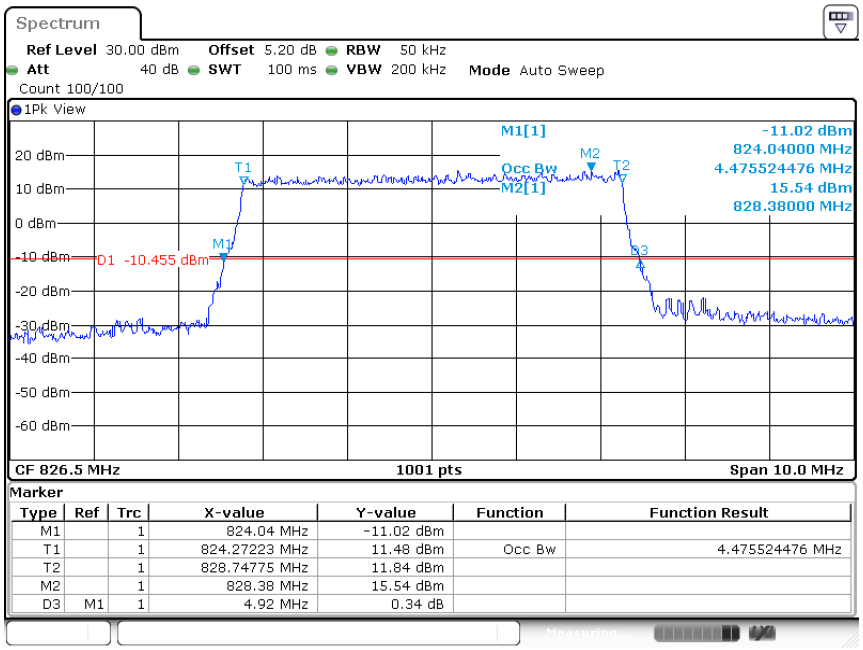
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	846.012 MHz	-9.75 dBm		
T1		1	846.15135 MHz	10.33 dBm	Occ Bw	2.691308691 MHz
T2		1	848.84266 MHz	10.49 dBm		
M2		1	847.686 MHz	16.49 dBm		
D3	M1	1	2.964 MHz	-0.38 dB		

Date: 14.AUG.2020 23:43:57

Band5-5MHz-QPSK-20425-25RB#0-4.476



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	824.04 MHz	-11.02 dBm		
T1		1	824.27223 MHz	11.48 dBm	Occ Bw	4.475524476 MHz
T2		1	828.74775 MHz	11.84 dBm		
M2		1	828.38 MHz	15.54 dBm		
D3	M1	1	4.92 MHz	0.34 dB		

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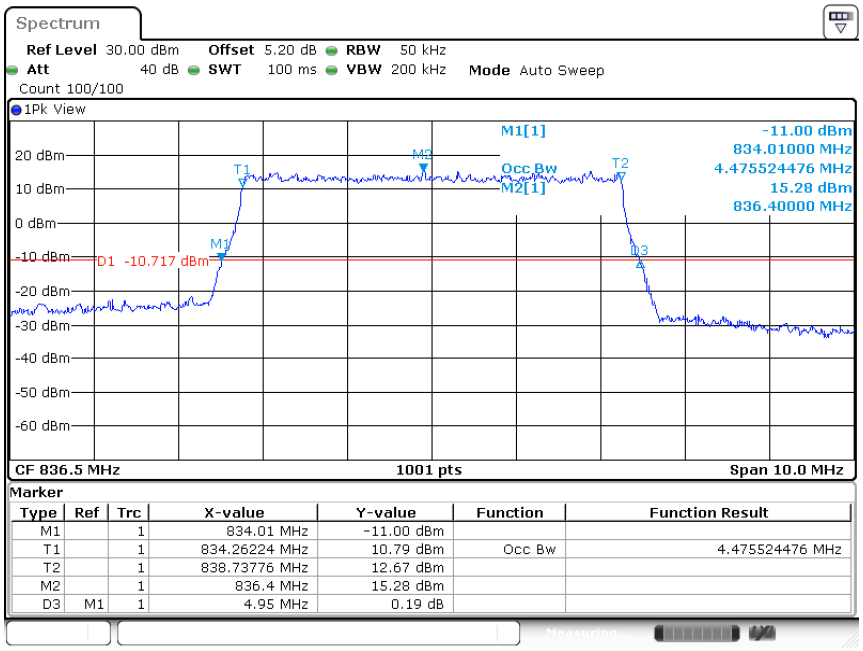
Band5-5MHz-QPSK-20525-25RB#0-4.476

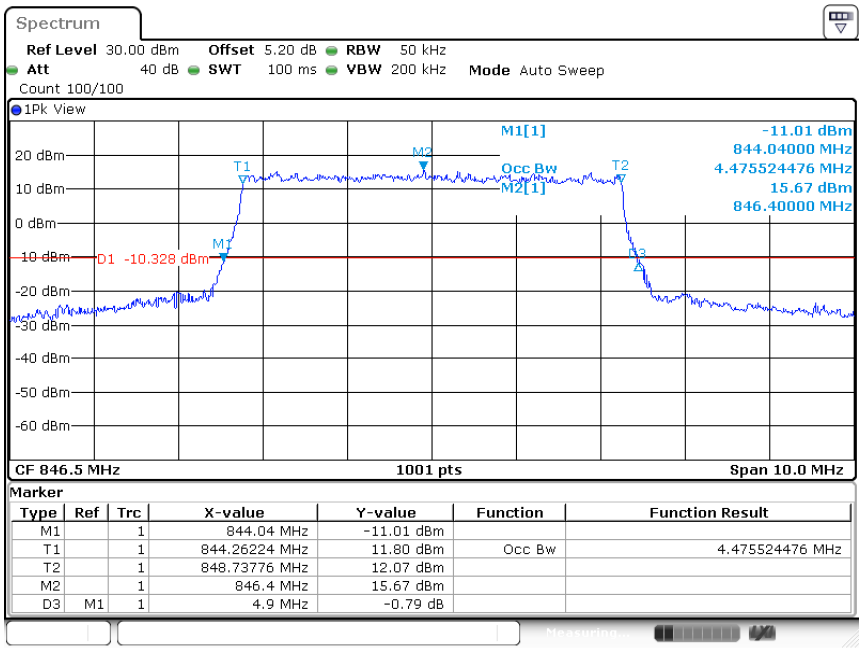


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	834.01 MHz	-11.00 dBm		
T1		1	834.26224 MHz	10.79 dBm	Occ Bw	4.475524476 MHz
T2		1	838.73776 MHz	12.67 dBm		
M2		1	836.4 MHz	15.28 dBm		
D3	M1	1	4.95 MHz	0.19 dB		

Date: 14.AUG.2020 23:45:03

Band5-5MHz-QPSK-20625-25RB#0-4.476



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	844.04 MHz	-11.01 dBm		
T1		1	844.26224 MHz	11.80 dBm	Occ Bw	4.475524476 MHz
T2		1	848.73776 MHz	12.07 dBm		
M2		1	846.4 MHz	15.67 dBm		
D3	M1	1	4.9 MHz	-0.79 dB		

Date: 14.AUG.2020 23:45:43

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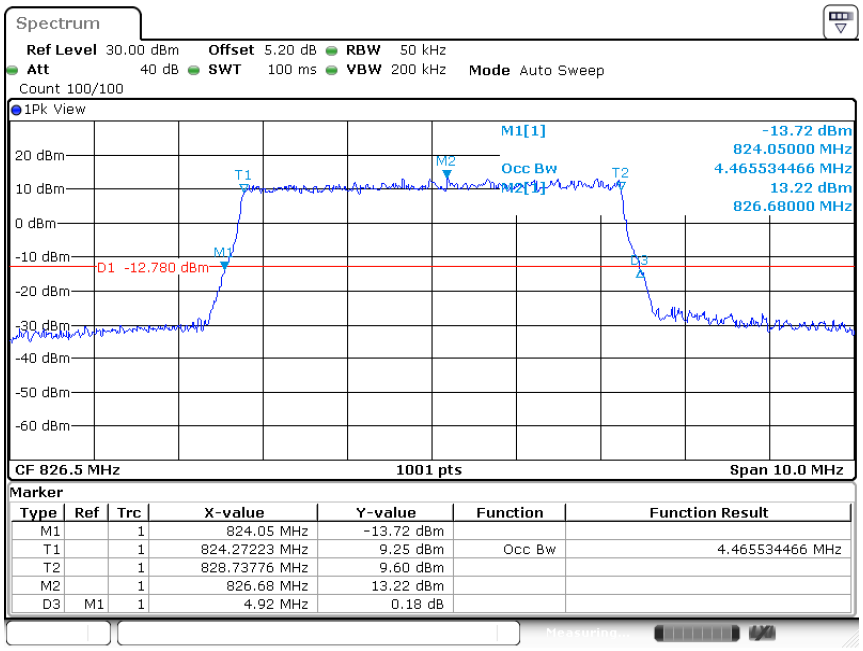
Band5-5MHz-64QAM-20425-25RB#0-4.466

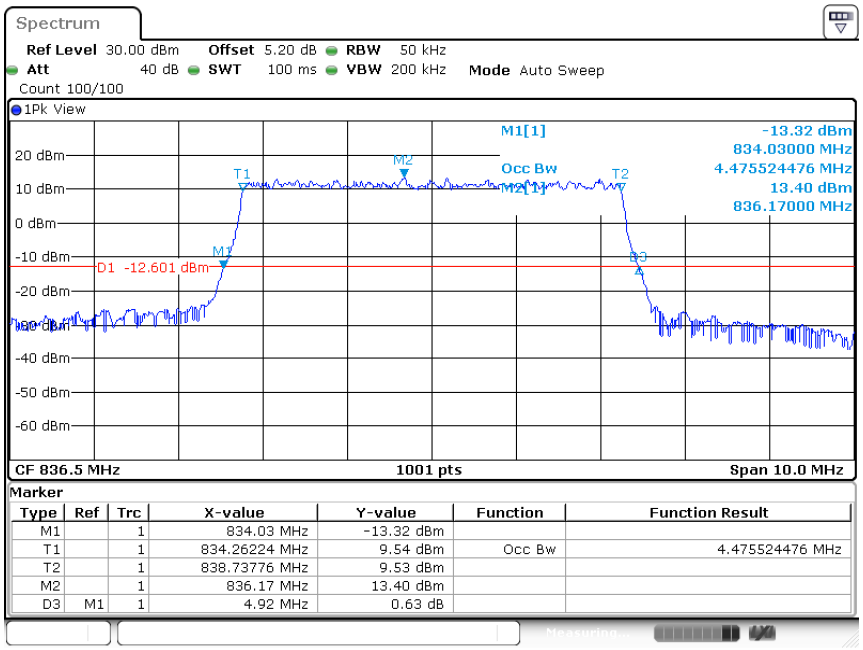


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	824.05 MHz	-13.72 dBm		
T1		1	824.27223 MHz	9.25 dBm	Occ Bw	4.465534466 MHz
T2		1	828.73776 MHz	9.60 dBm		
M2		1	826.68 MHz	13.22 dBm		
D3	M1	1	4.92 MHz	0.18 dB		

Date: 15.AUG.2020 02:05:29

Band5-5MHz-64QAM-20525-25RB#0-4.476



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	834.03 MHz	-13.32 dBm		
T1		1	834.26224 MHz	9.54 dBm	Occ Bw	4.475524476 MHz
T2		1	838.73776 MHz	9.53 dBm		
M2		1	836.17 MHz	13.40 dBm		
D3	M1	1	4.92 MHz	0.63 dB		

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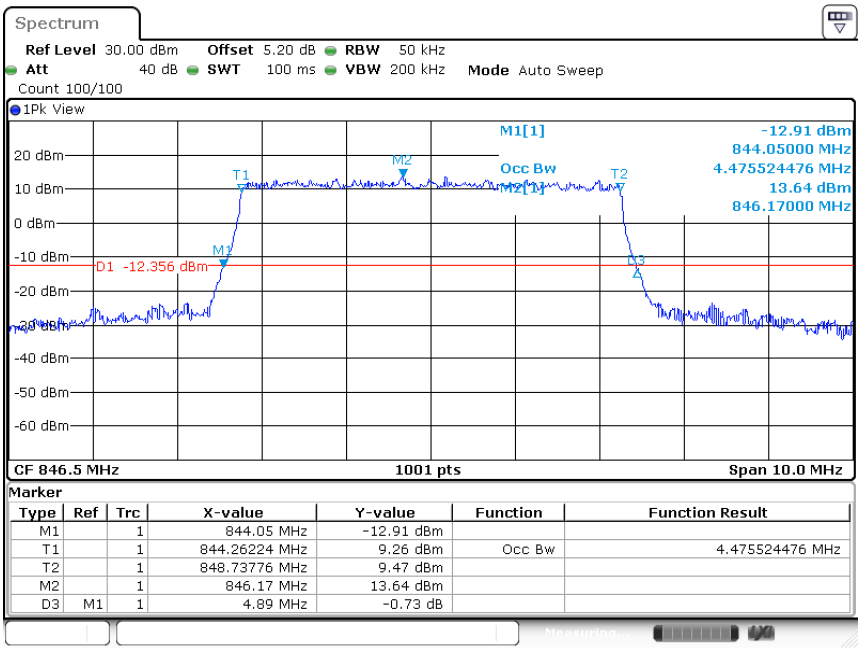
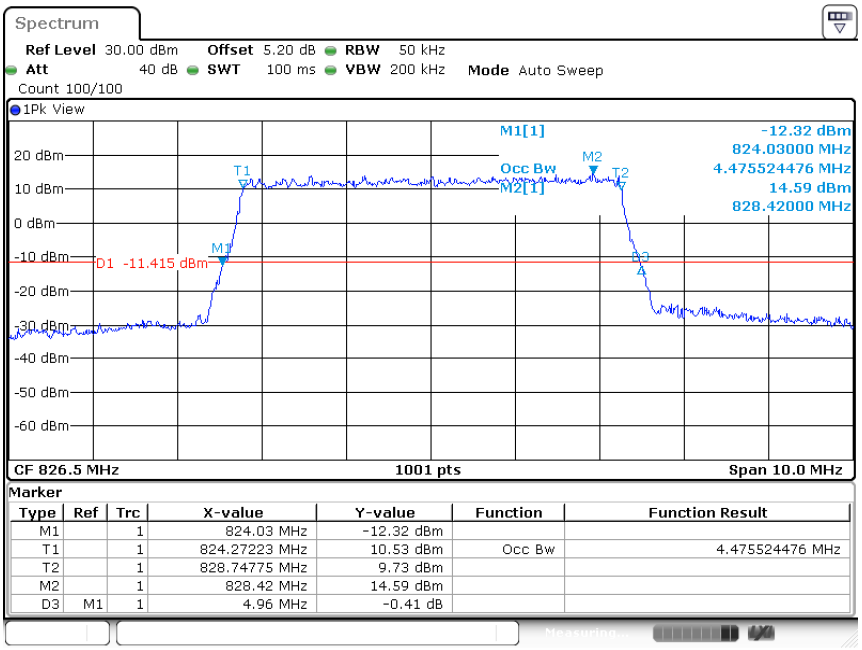


Date: 15.AUG.2020 02:06:10

Band5-5MHz-16QAM-20425-25RB#0-4.476



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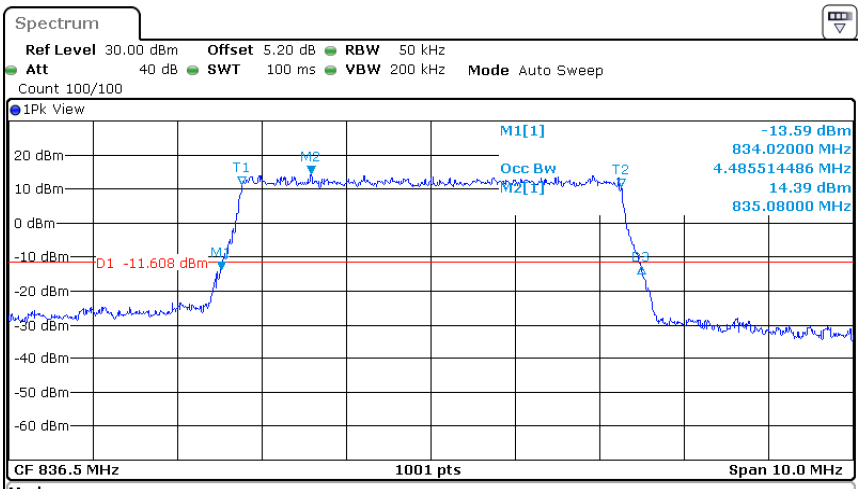
Band5-5MHz-16QAM-20525-25RB#0-4.486

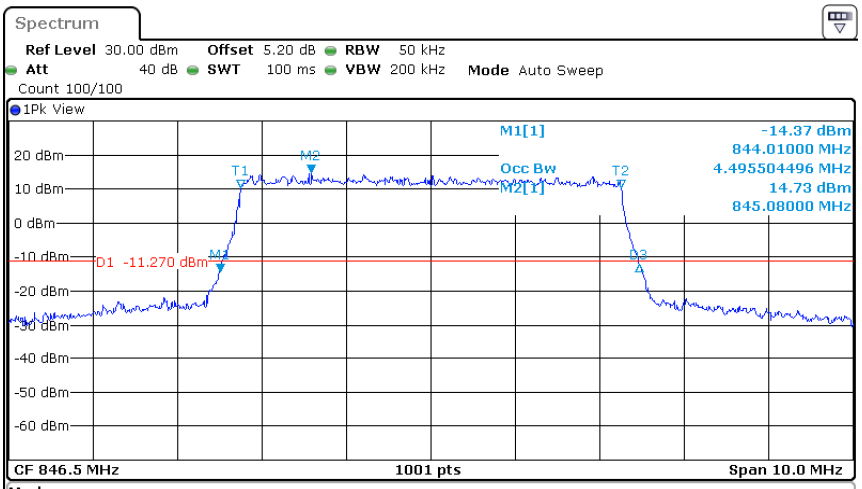


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	834.02 MHz	-13.59 dBm		
T1		1	834.26224 MHz	11.38 dBm	Occ Bw	4.485514486 MHz
T2		1	838.74775 MHz	10.62 dBm		
M2		1	835.08 MHz	14.39 dBm		
D3	M1	1	4.97 MHz	0.94 dB		

Date: 14.AUG.2020 23:45:23

Band5-5MHz-16QAM-20625-25RB#0-4.496



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	844.01 MHz	-14.37 dBm		
T1		1	844.25225 MHz	10.27 dBm	Occ Bw	4.495504496 MHz
T2		1	848.74775 MHz	10.39 dBm		
M2		1	845.08 MHz	14.73 dBm		
D3	M1	1	4.96 MHz	2.22 dB		

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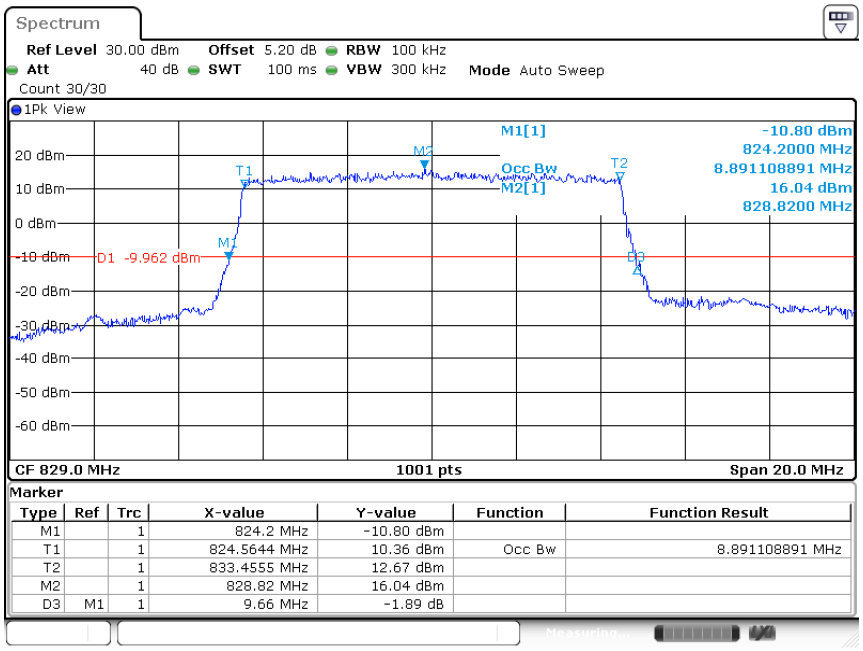
Band5-10MHz-QPSK-20450-50RB#0-8.891



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	824.2 MHz	-10.80 dBm		
T1		1	824.5644 MHz	10.36 dBm	Occ Bw	8.891108891 MHz
T2		1	833.4555 MHz	12.67 dBm		
M2		1	828.82 MHz	16.04 dBm		
D3	M1	1	9.66 MHz	-1.89 dB		

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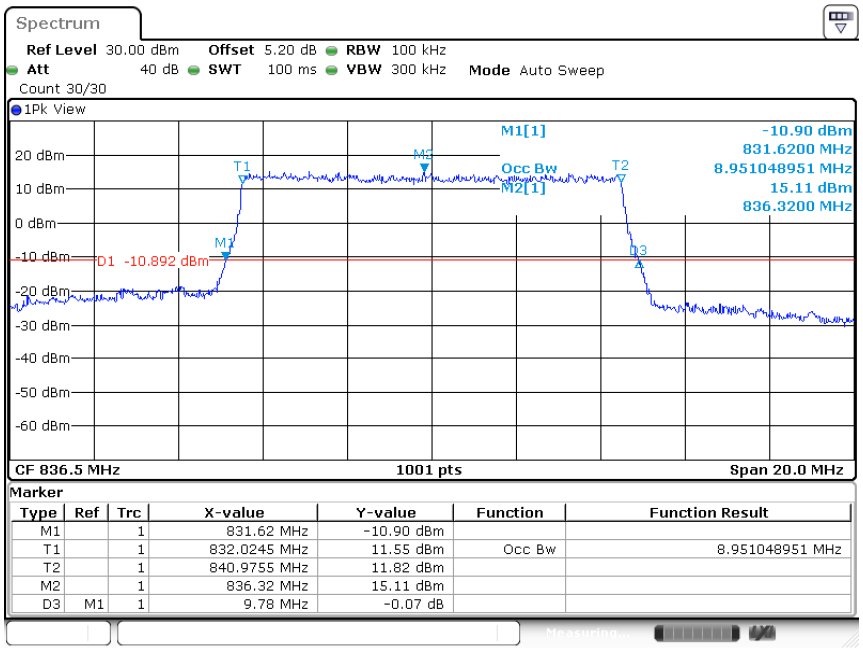
Band5-10MHz-QPSK-20525-50RB#0-8.951



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	831.62 MHz	-10.90 dBm		
T1		1	832.0245 MHz	11.55 dBm	Occ Bw	8.951048951 MHz
T2		1	840.9755 MHz	11.82 dBm		
M2		1	836.32 MHz	15.11 dBm		
D3	M1	1	9.78 MHz	-0.07 dB		

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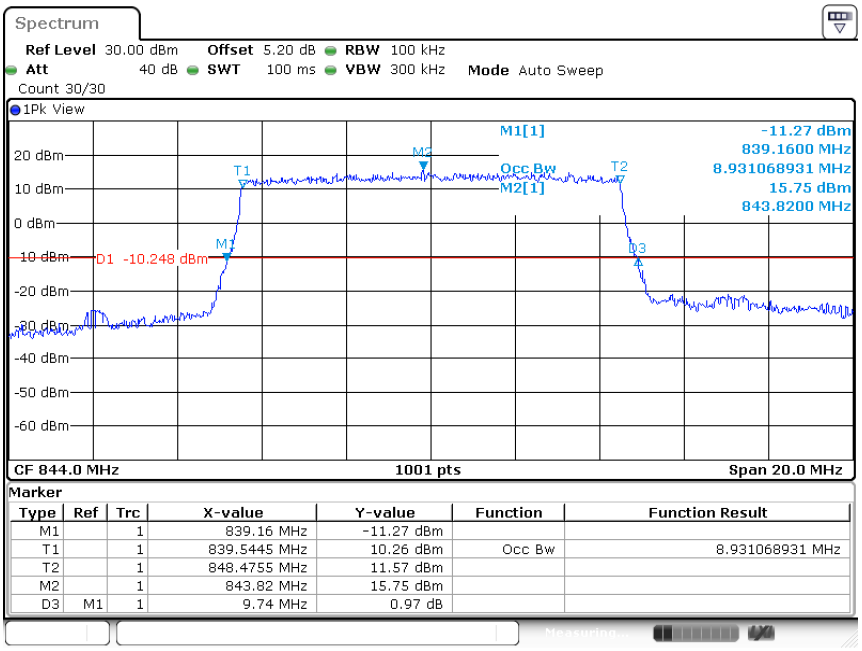
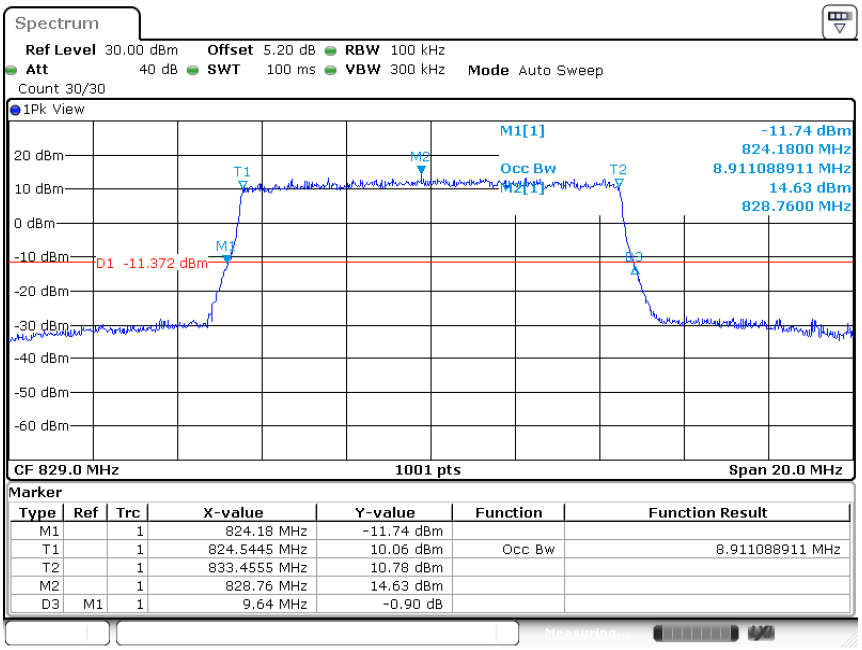
Band5-10MHz-QPSK-20600-50RB#0-8.931



Date: 14.AUG.2020 23:47:13

Band5-10MHz-64QAM-20450-50RB#0-8.911



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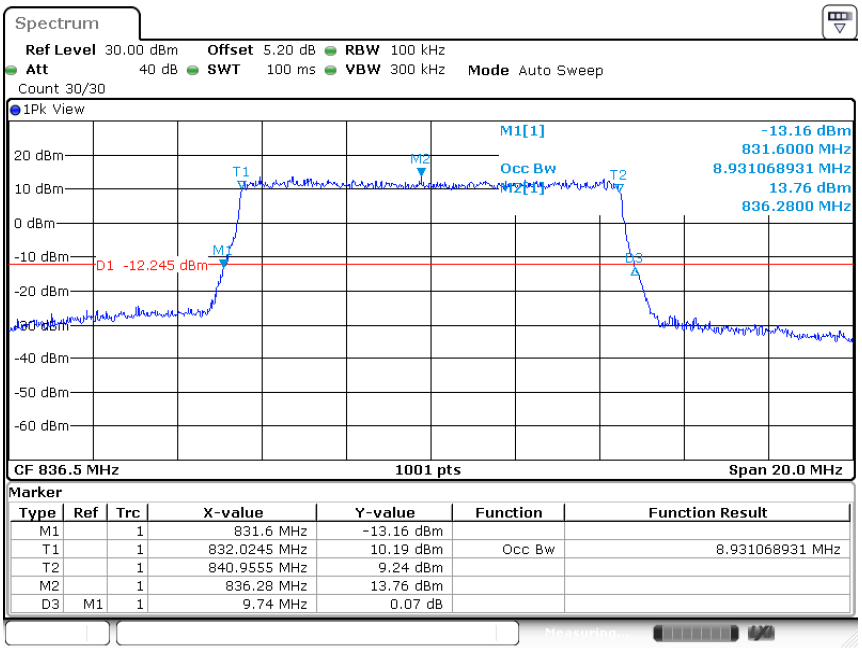
Band5-10MHz-64QAM-20525-50RB#0-8.931

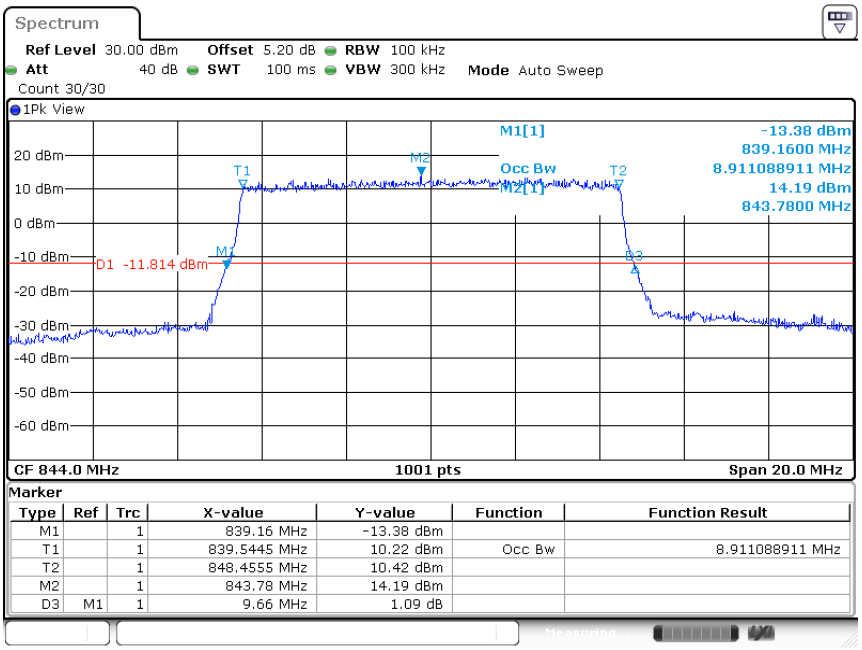


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	831.6 MHz	-13.16 dBm		
T1		1	832.0245 MHz	10.19 dBm	Occ Bw	8.931068931 MHz
T2		1	840.9555 MHz	9.24 dBm		
M2		1	836.28 MHz	13.76 dBm		
D3	M1	1	9.74 MHz	0.07 dB		

Date: 15.AUG.2020 02:06:43

Band5-10MHz-64QAM-20600-50RB#0-8.911



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	839.16 MHz	-13.38 dBm		
T1		1	839.5445 MHz	10.22 dBm	Occ Bw	8.911088911 MHz
T2		1	848.4555 MHz	10.42 dBm		
M2		1	843.78 MHz	14.19 dBm		
D3	M1	1	9.66 MHz	1.09 dB		

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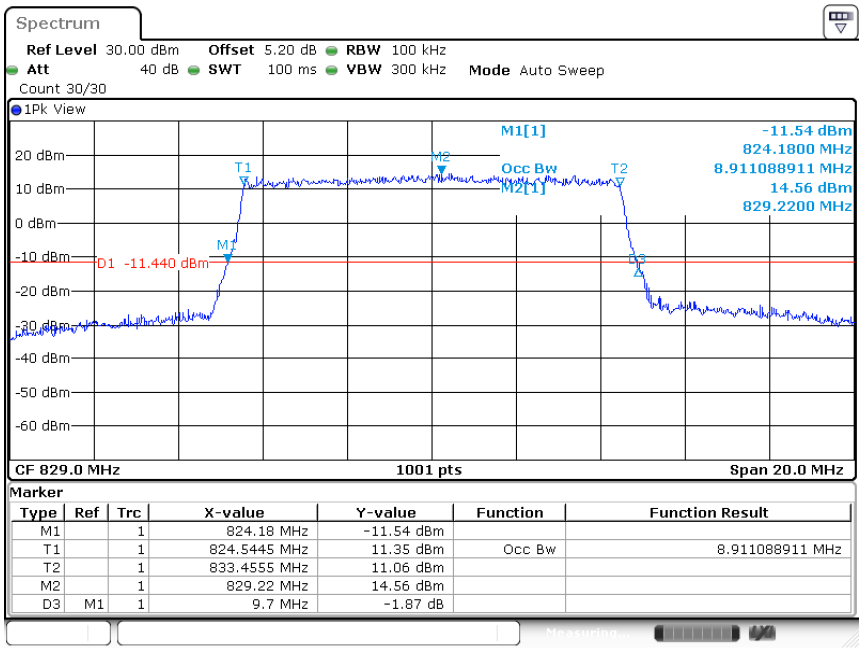
Band5-10MHz-16QAM-20450-50RB#0-8.911



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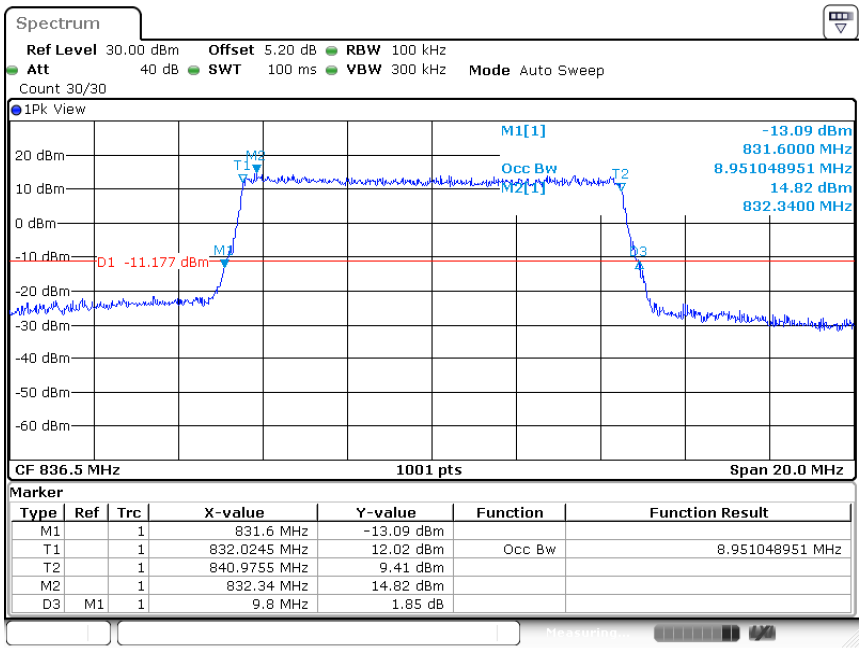
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	824.18 MHz	-11.54 dBm		
T1		1	824.5445 MHz	11.35 dBm	Occ Bw	8.911088911 MHz
T2		1	833.4555 MHz	11.06 dBm		
M2		1	829.22 MHz	14.56 dBm		
D3	M1	1	9.7 MHz	-1.87 dB		

Date: 14.AUG.2020 23:46:34

Band5-10MHz-16QAM-20525-50RB#0-8.951



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	831.6 MHz	-13.09 dBm		
T1		1	832.0245 MHz	12.02 dBm	Occ Bw	8.951048951 MHz
T2		1	840.9755 MHz	9.41 dBm		
M2		1	832.34 MHz	14.82 dBm		
D3	M1	1	9.8 MHz	1.85 dB		

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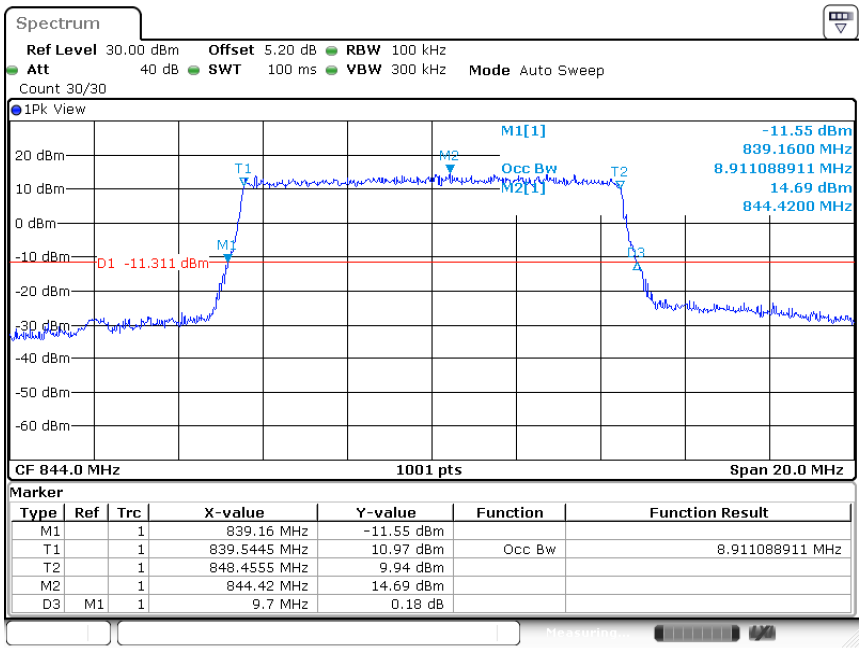
Band5-10MHz-16QAM-20600-50RB#0-8.911



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	839.16 MHz	-11.55 dBm		
T1		1	839.5445 MHz	10.97 dBm	Occ Bw	8.911088911 MHz
T2		1	848.4555 MHz	9.94 dBm		
M2		1	844.42 MHz	14.69 dBm		
D3	M1	1	9.7 MHz	0.18 dB		

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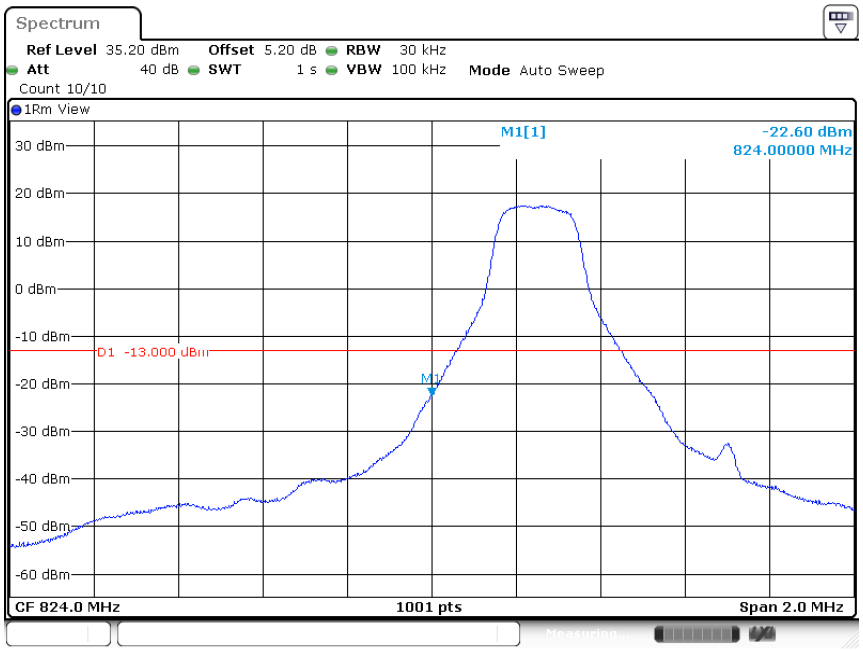
5. Band Edge Compliance

5.1. Test Plots

Band5-1.4MHz-QPSK-20407-1RB#0


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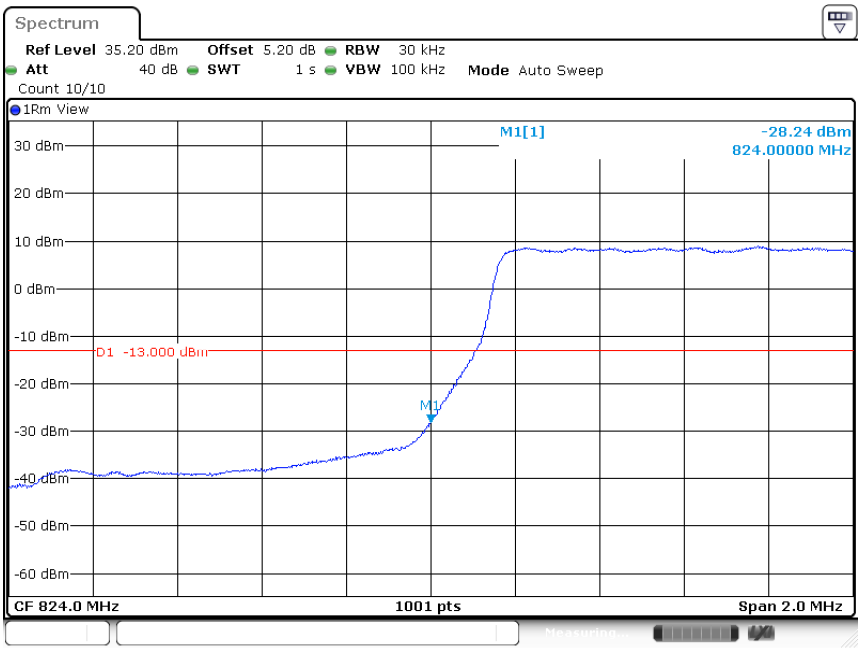
Band5-1.4MHz-QPSK-20407-6RB#0



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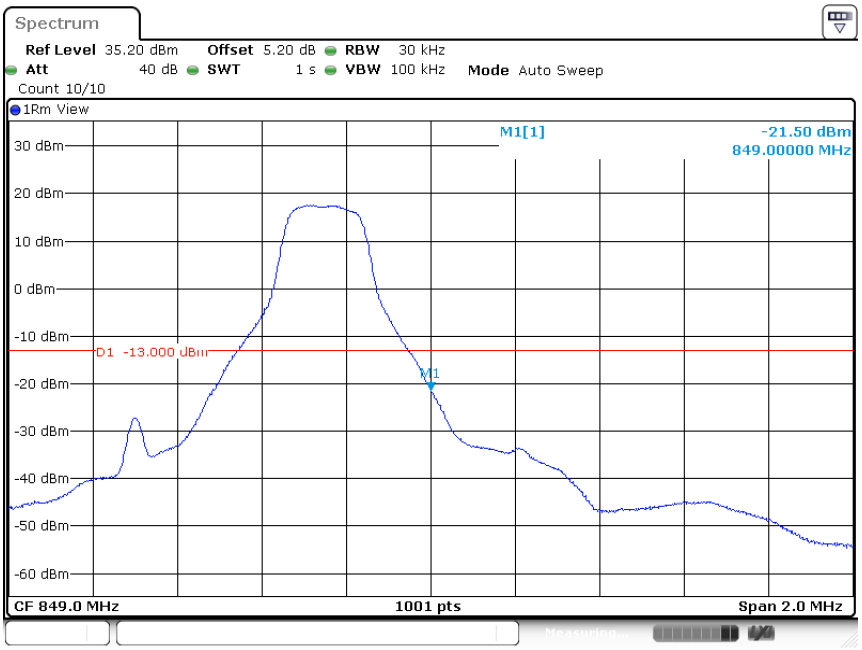
Band5-1.4MHz-QPSK-20643-1RB#5



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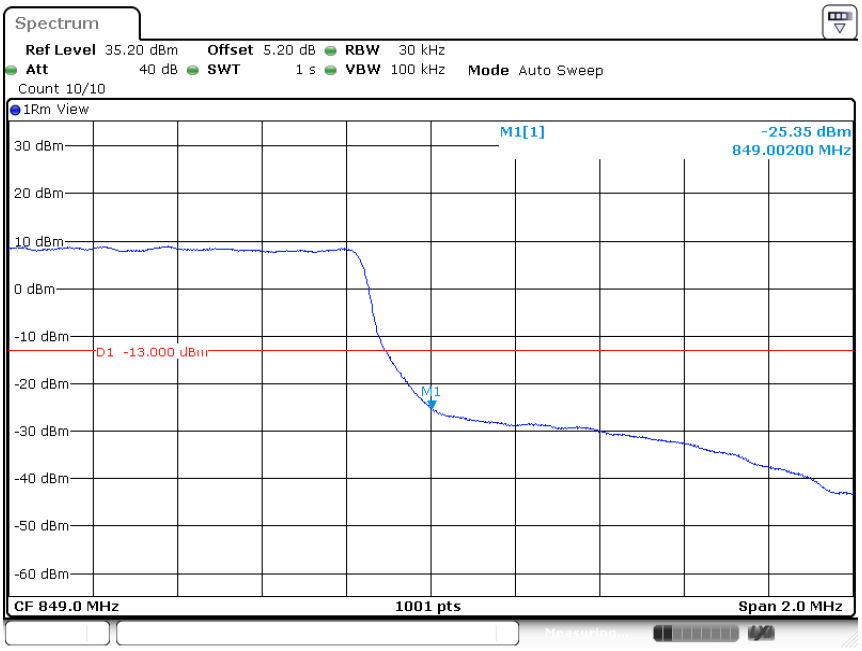

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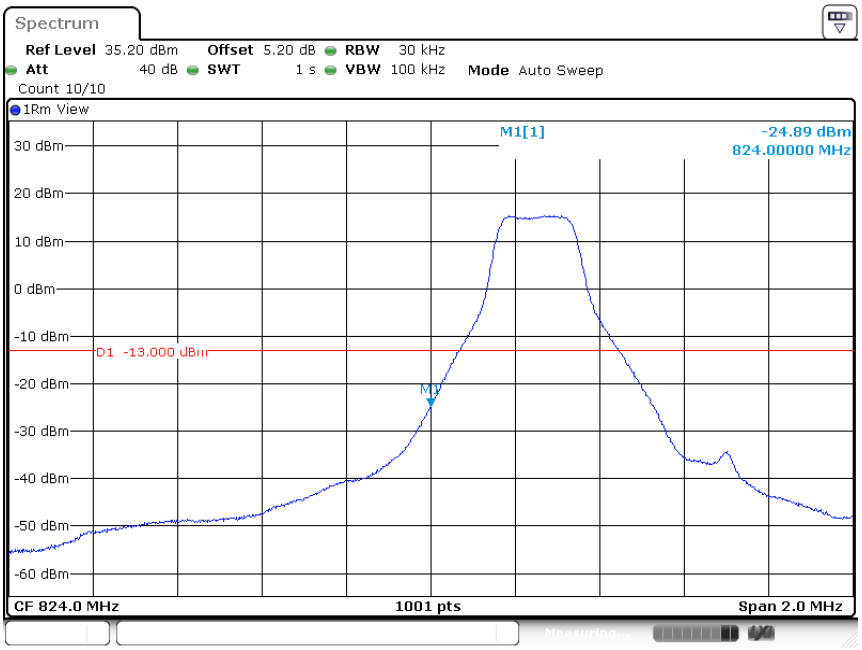
Band5-1.4MHz-64QAM-20407-1RB#0



Date: 15.AUG.2020 02:07:23

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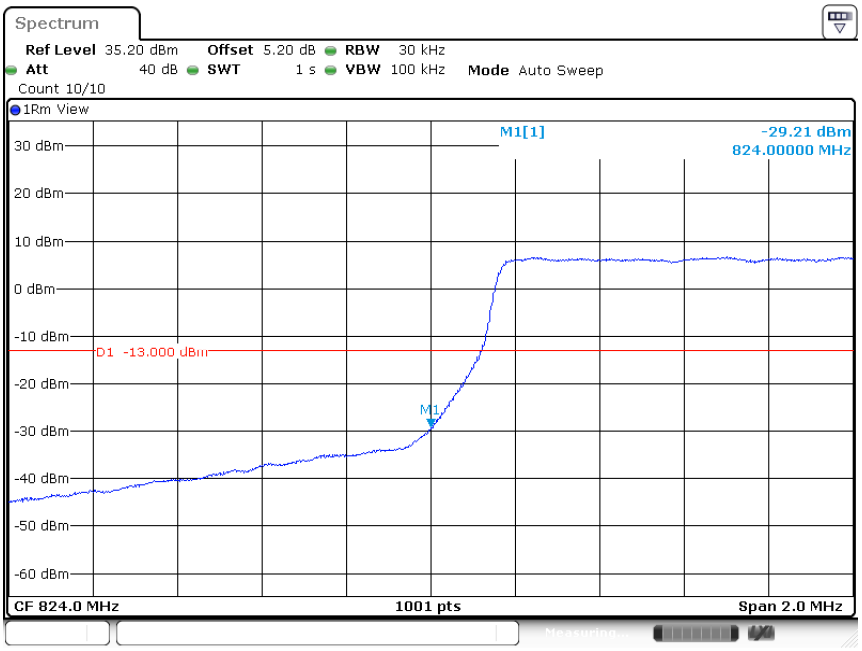
Band5-1.4MHz-64QAM-20407-6RB#0



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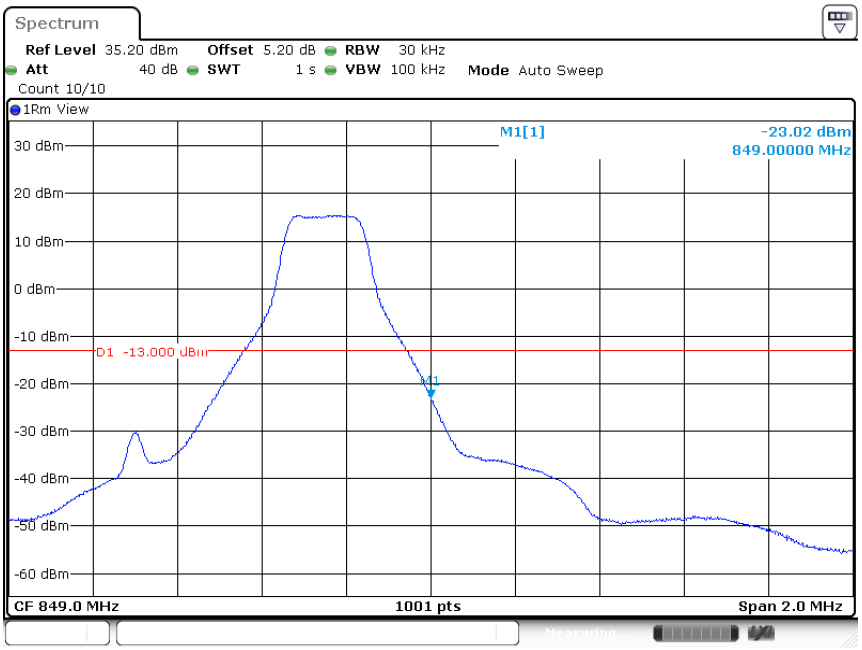
Band5-1.4MHz-64QAM-20643-1RB#5



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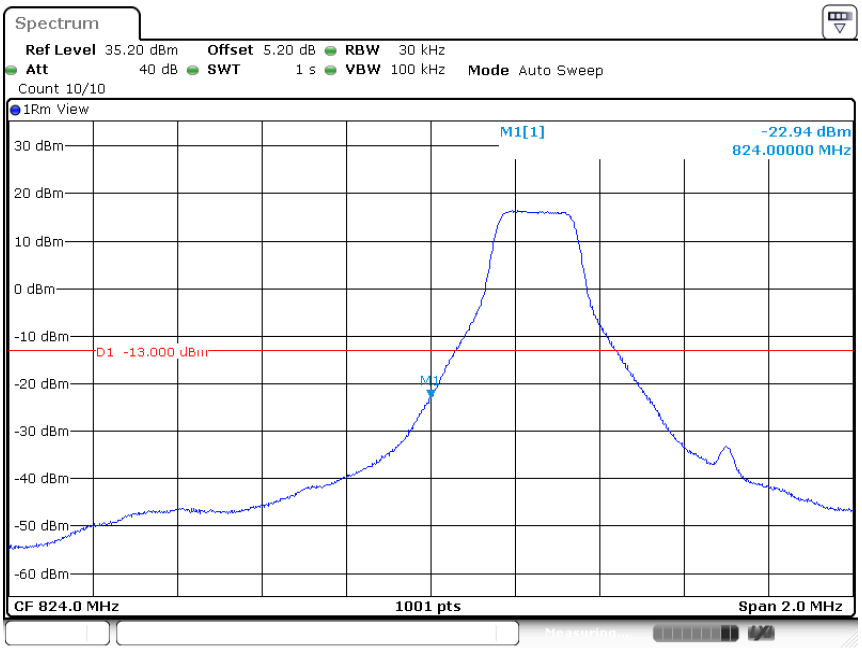
Band5-1.4MHz-64QAM-20643-6RB#0

Date: 15.AUG.2020 02:08:31

Band5-1.4MHz-16QAM-20407-1RB#0



Date: 14.AUG.2020 23:48:14

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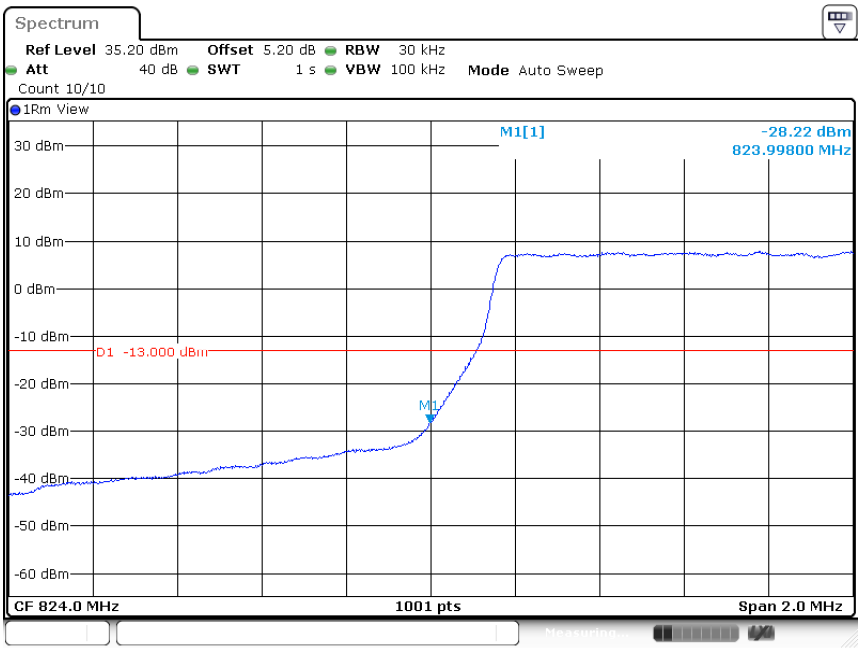
Band5-1.4MHz-16QAM-20407-6RB#0



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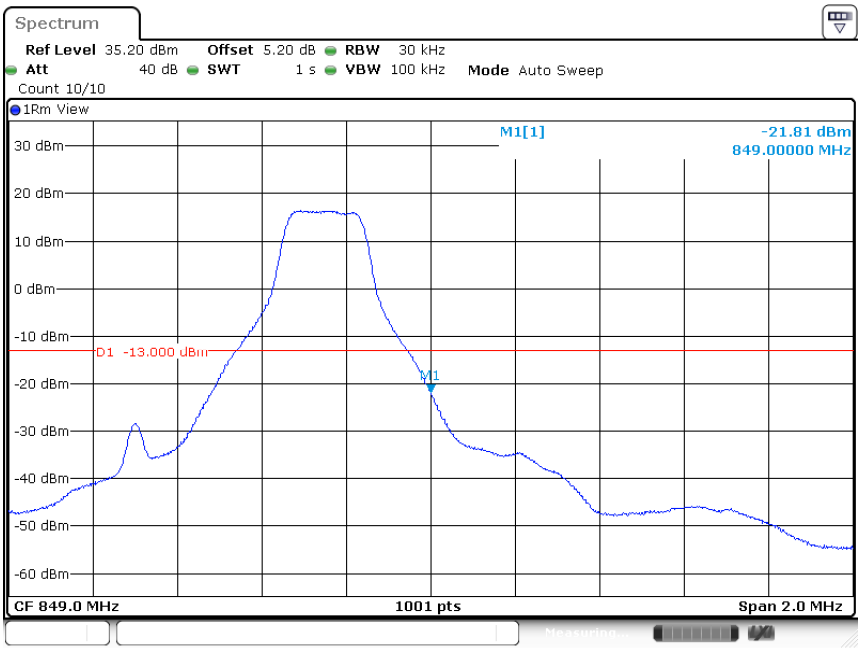
Band5-1.4MHz-16QAM-20643-1RB#5



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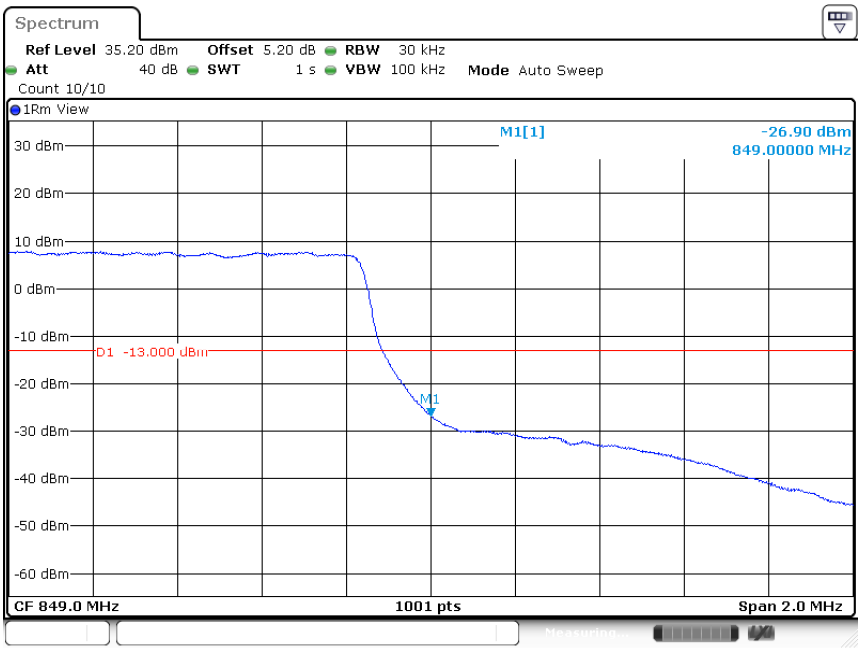

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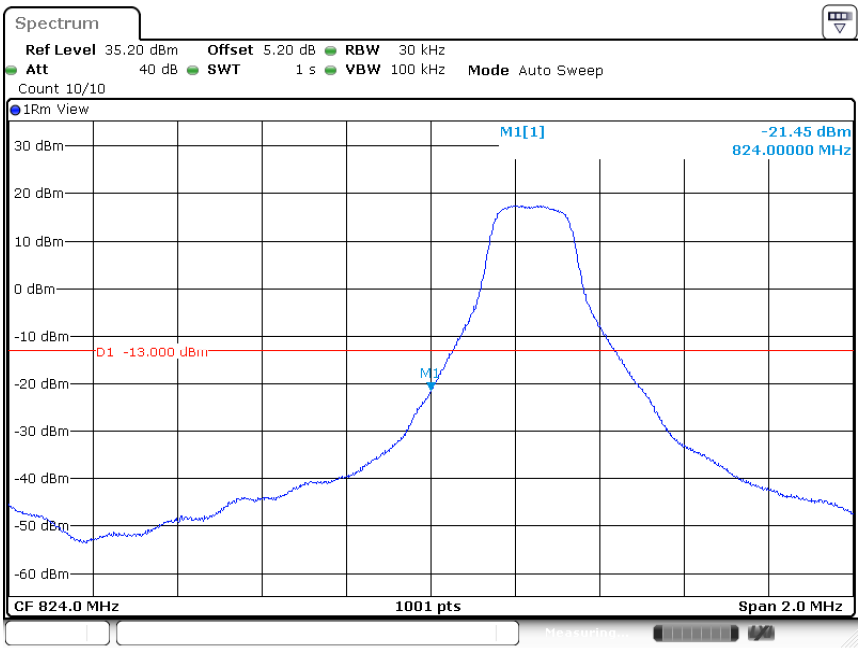
Band5-3MHz-QPSK-20415-1RB#0



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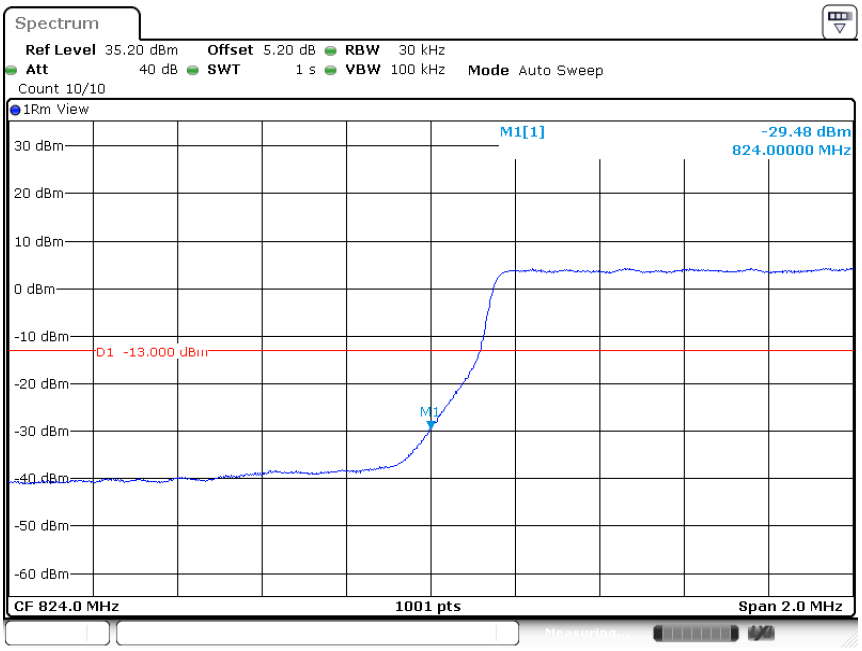

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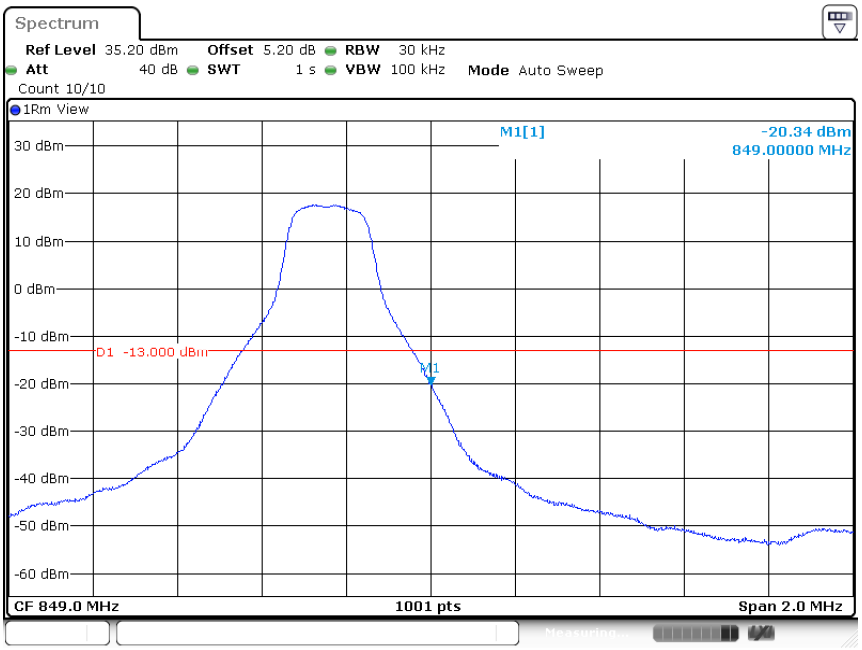

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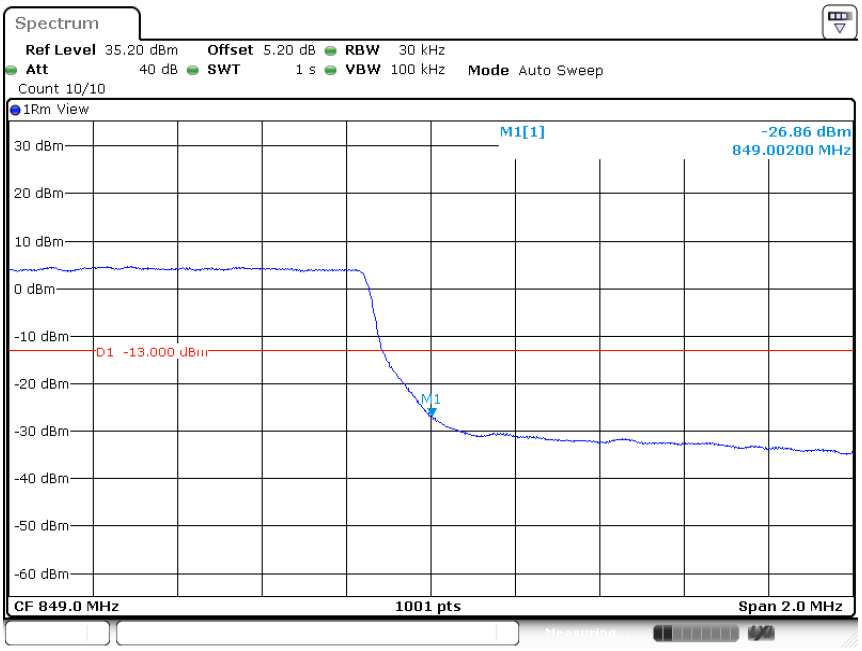

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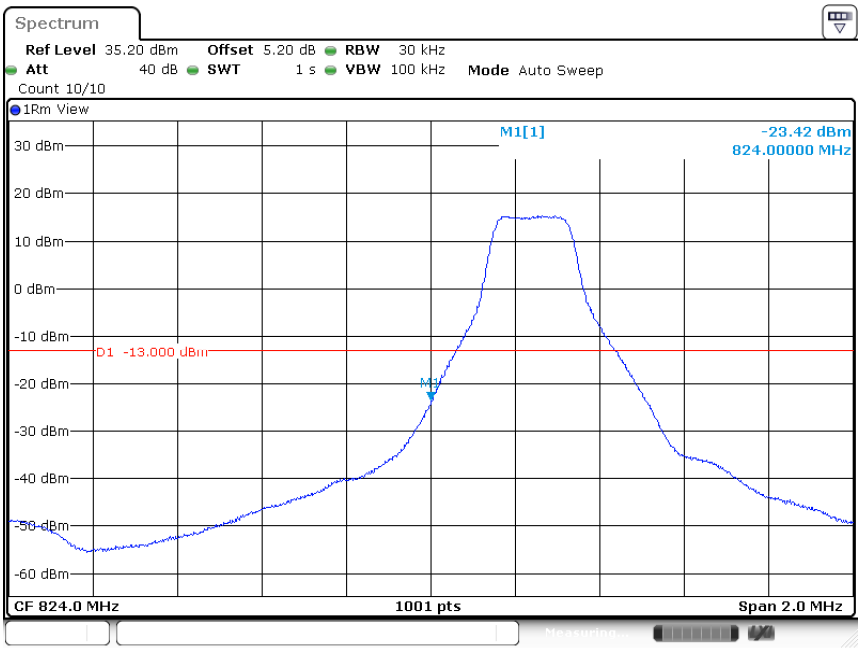

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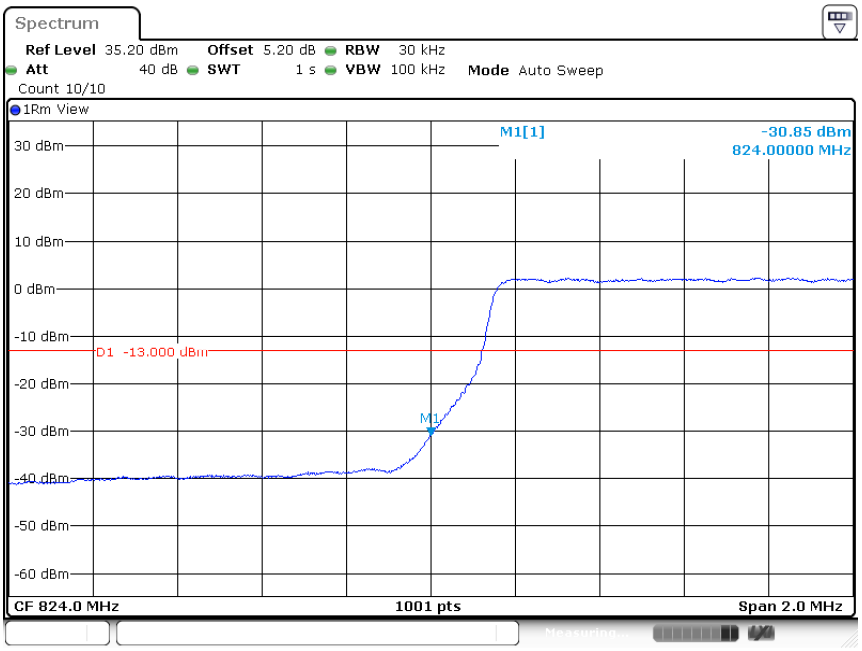

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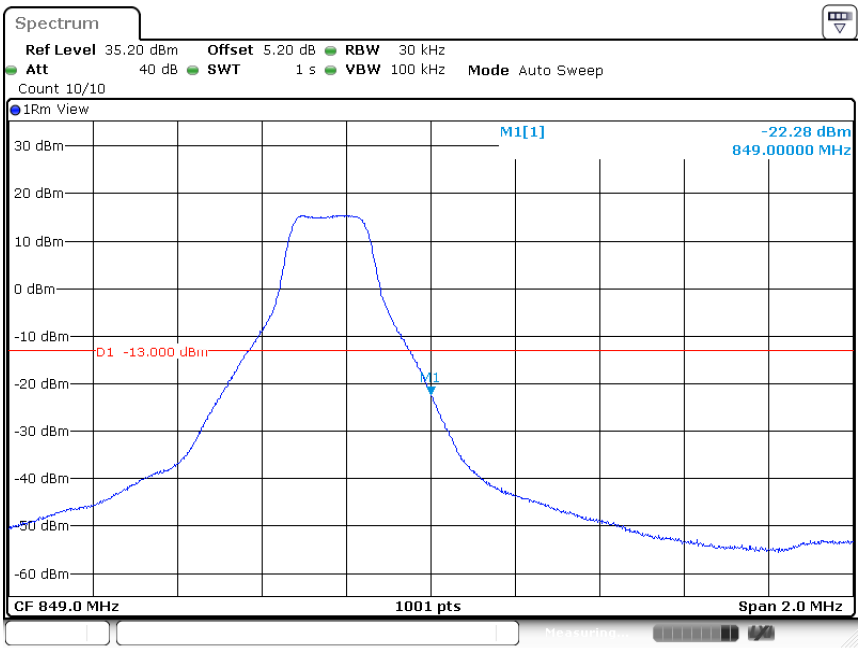

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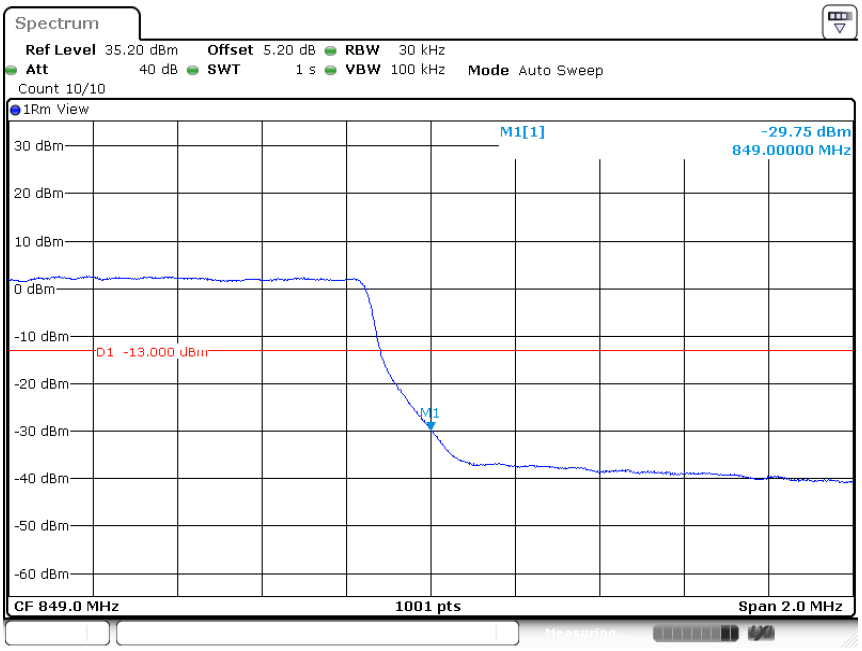

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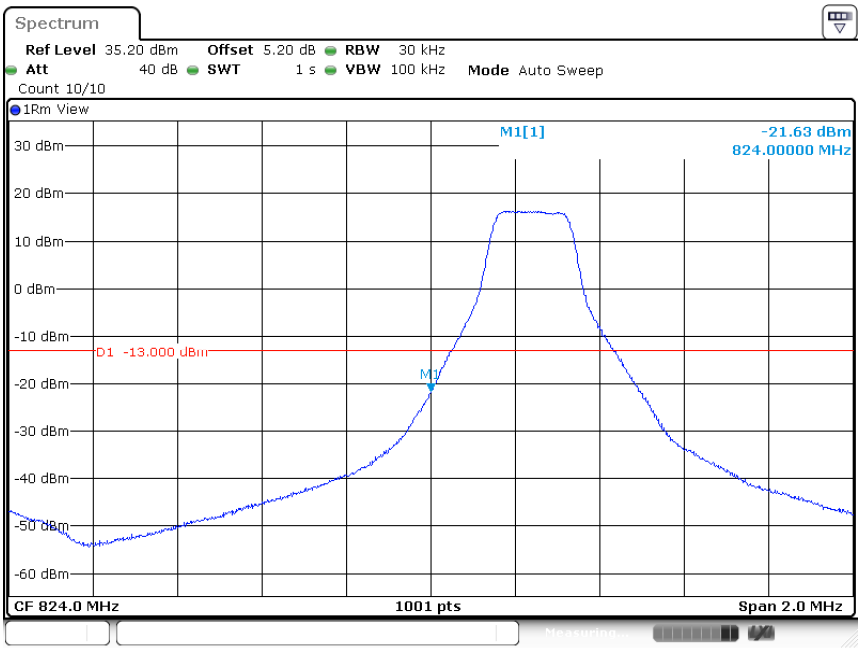
Band5-3MHz-16QAM-20415-1RB#0



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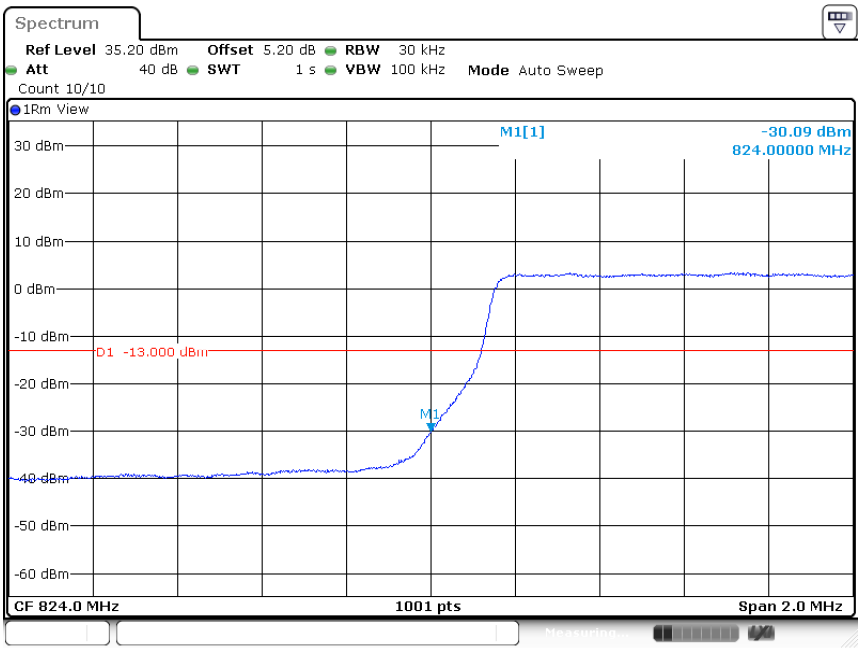

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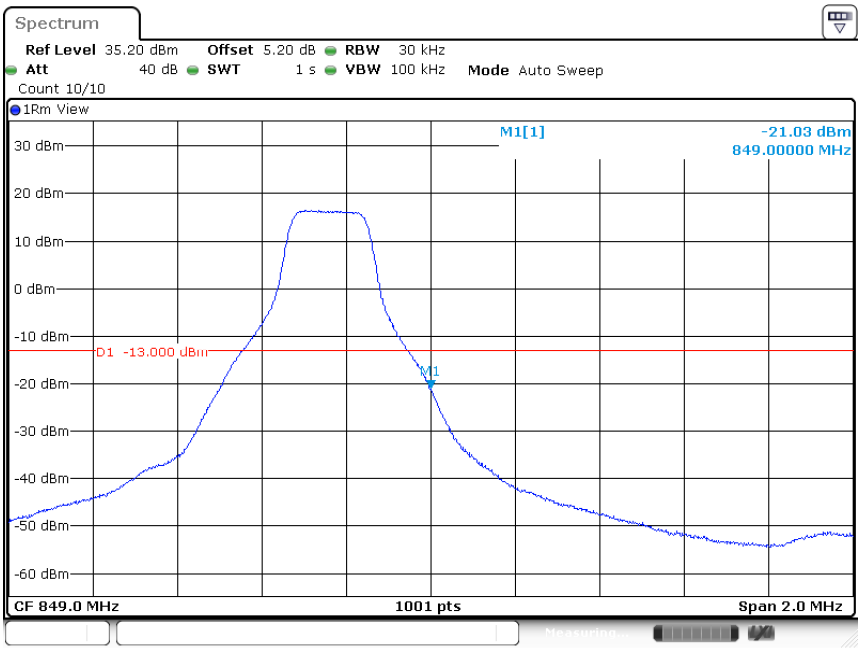
Band5-3MHz-16QAM-20635-1RB#14



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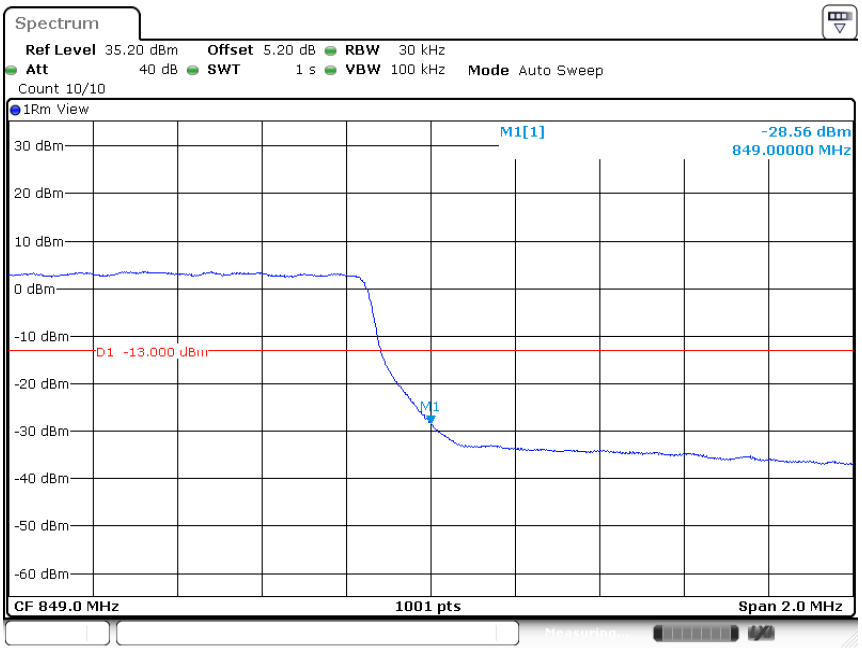

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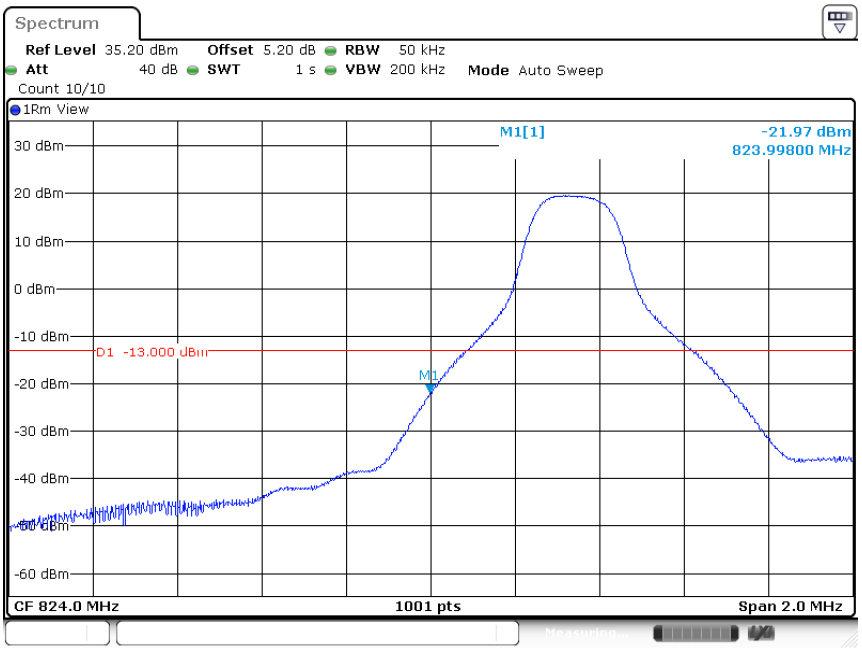
Band5-5MHz-QPSK-20425-1RB#0



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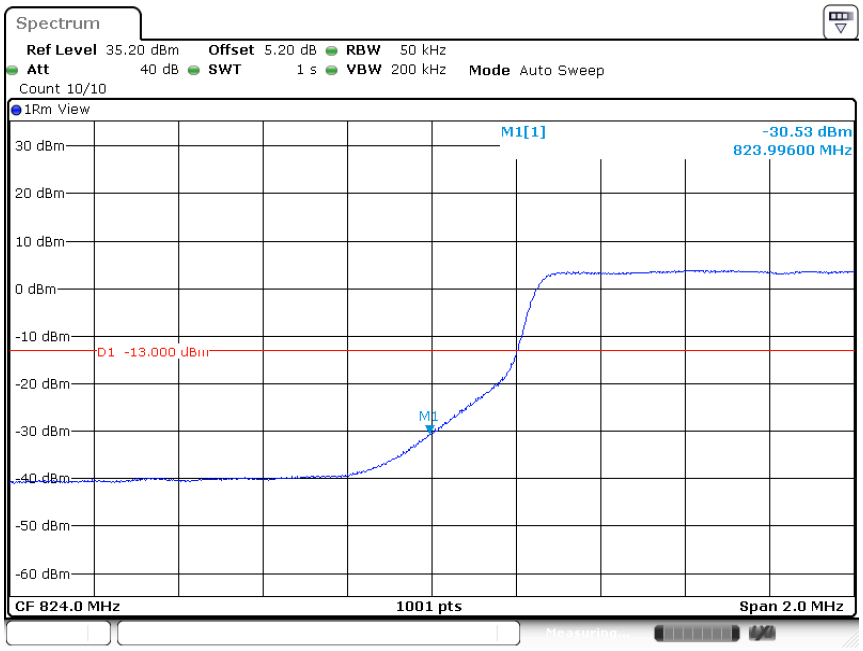

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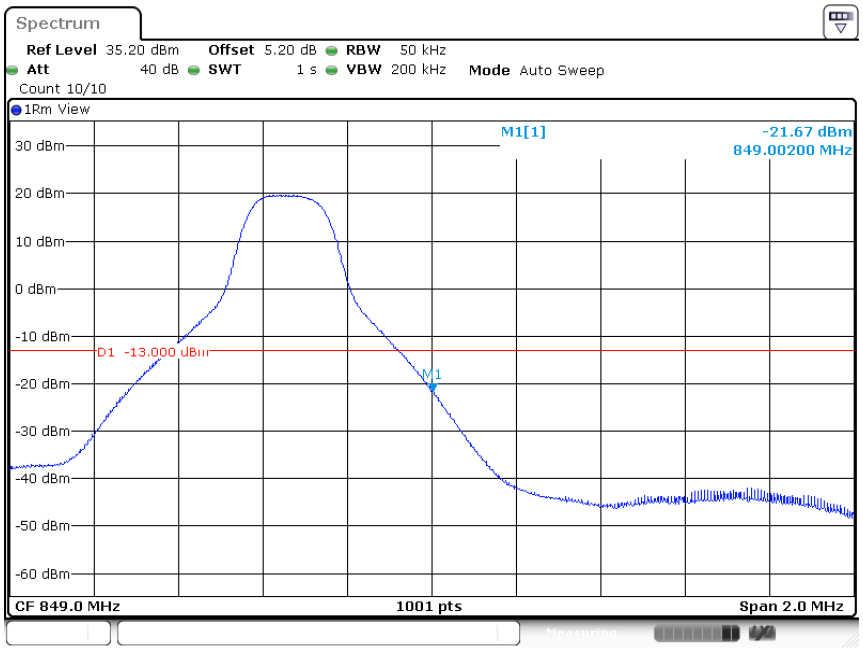
Band5-5MHz-QPSK-20625-1RB#24



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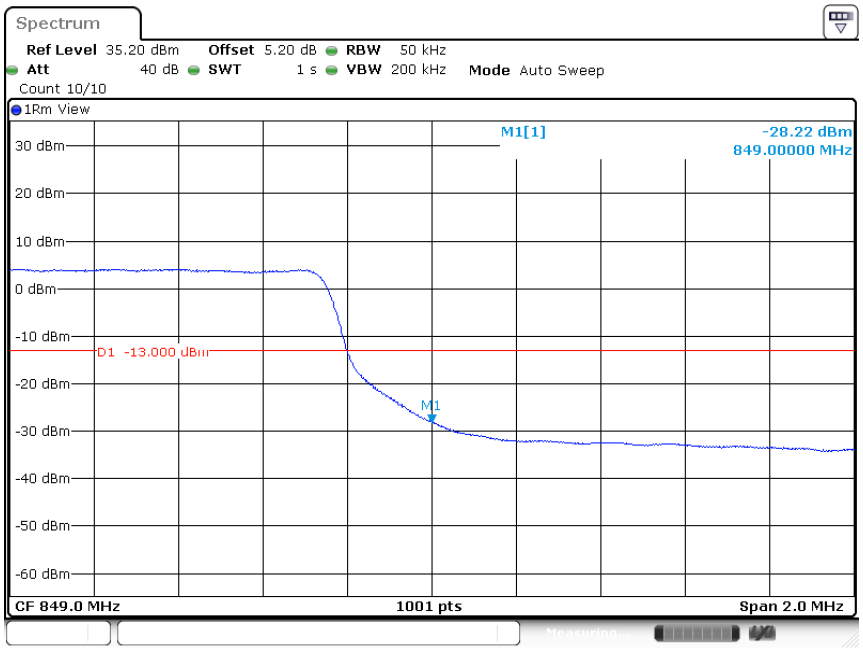

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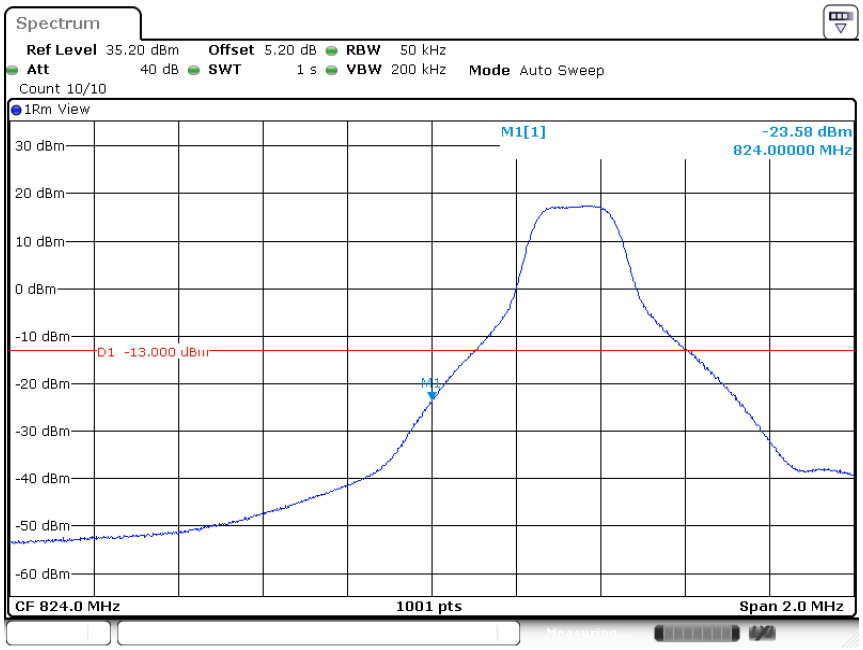

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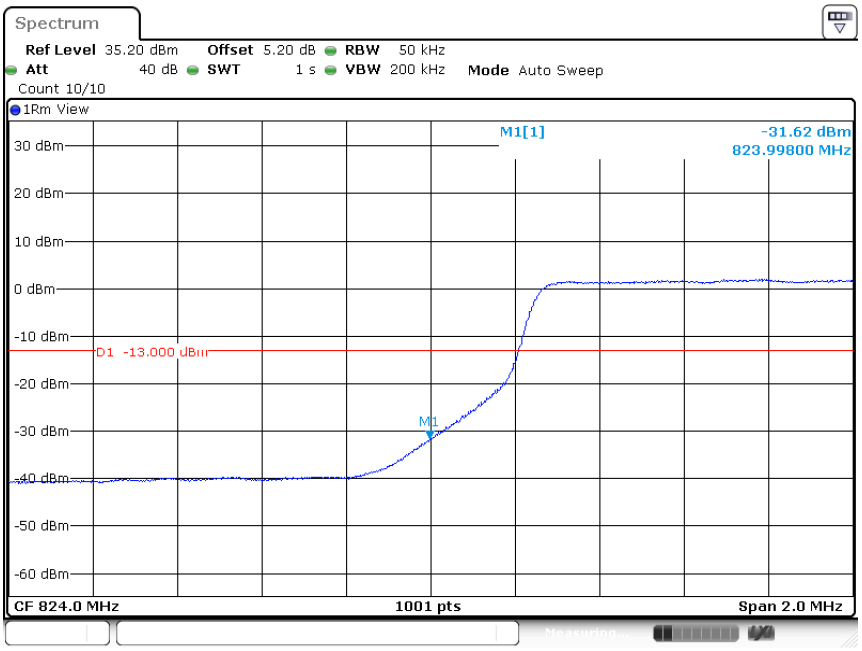

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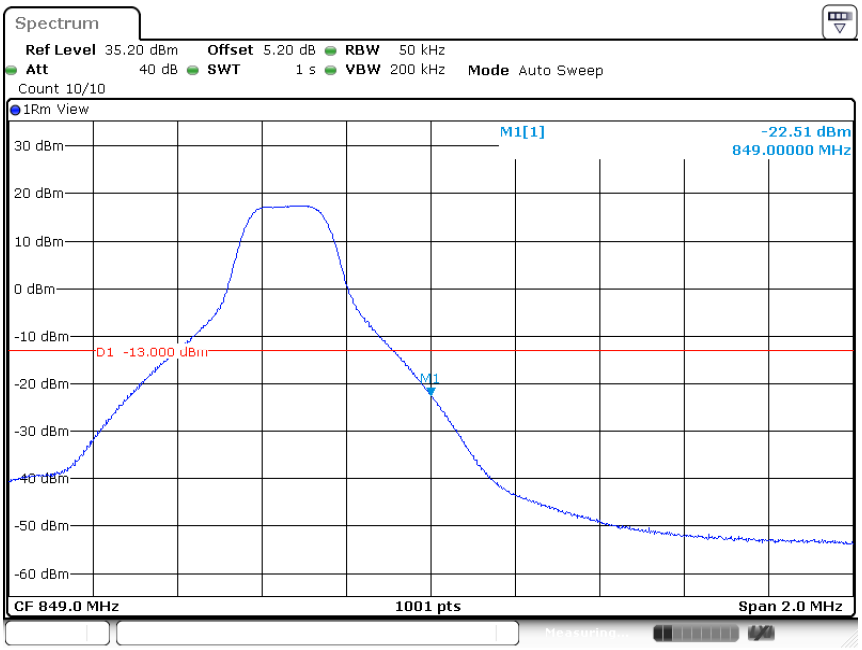
Band5-5MHz-64QAM-20625-1RB#24



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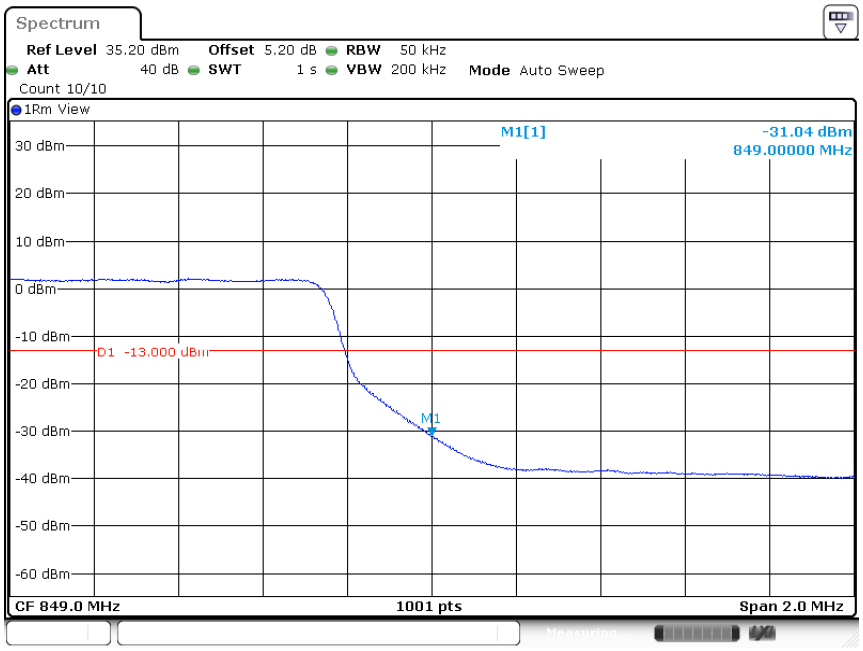

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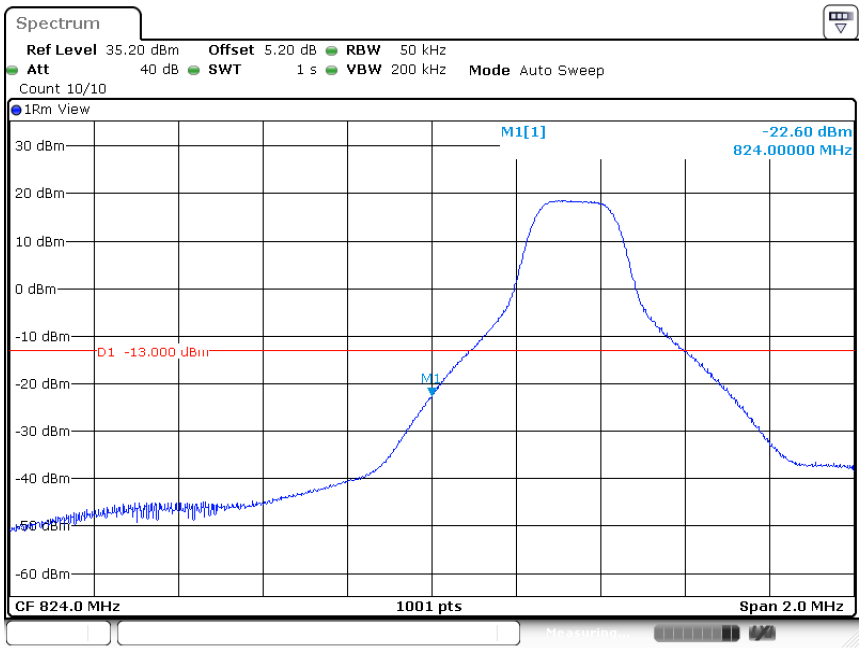

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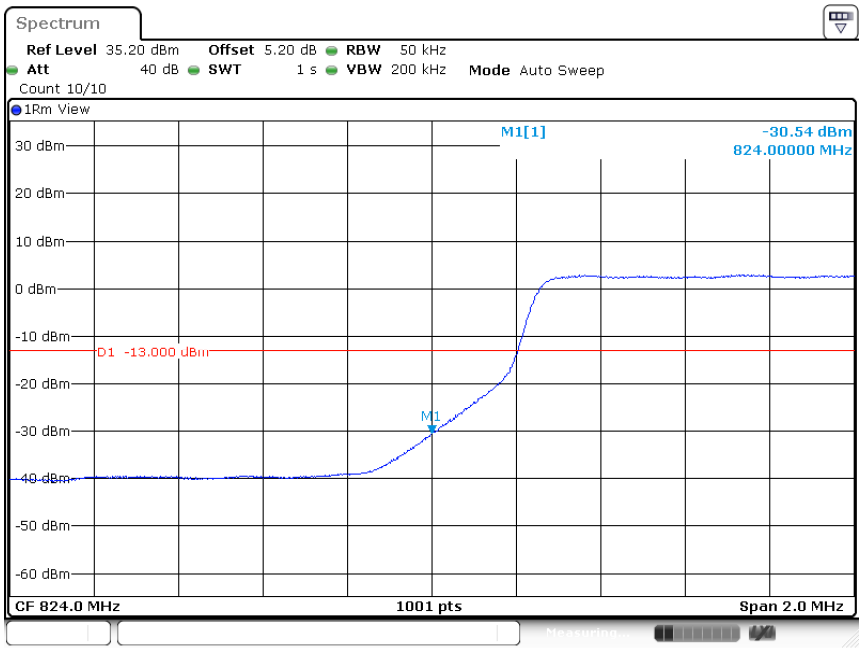

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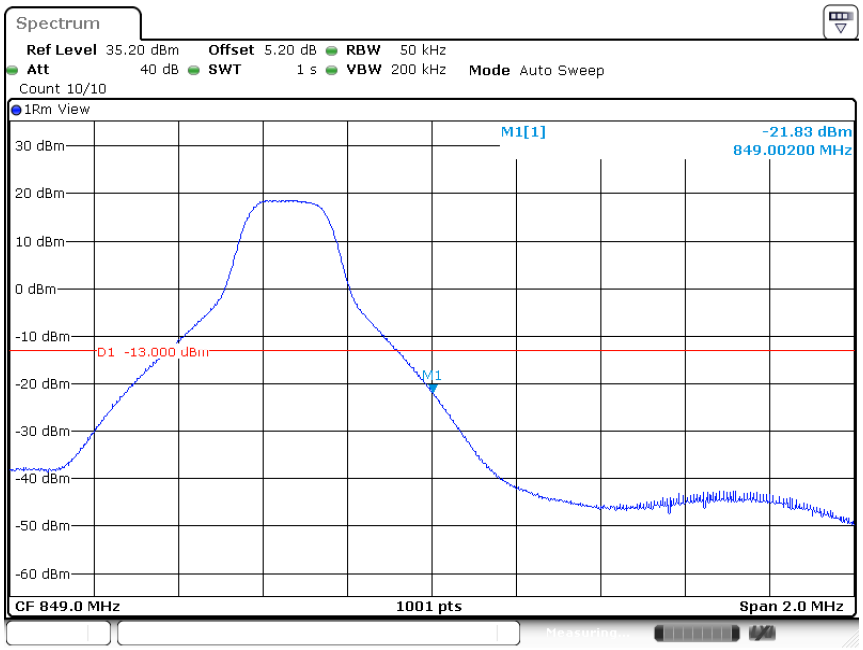

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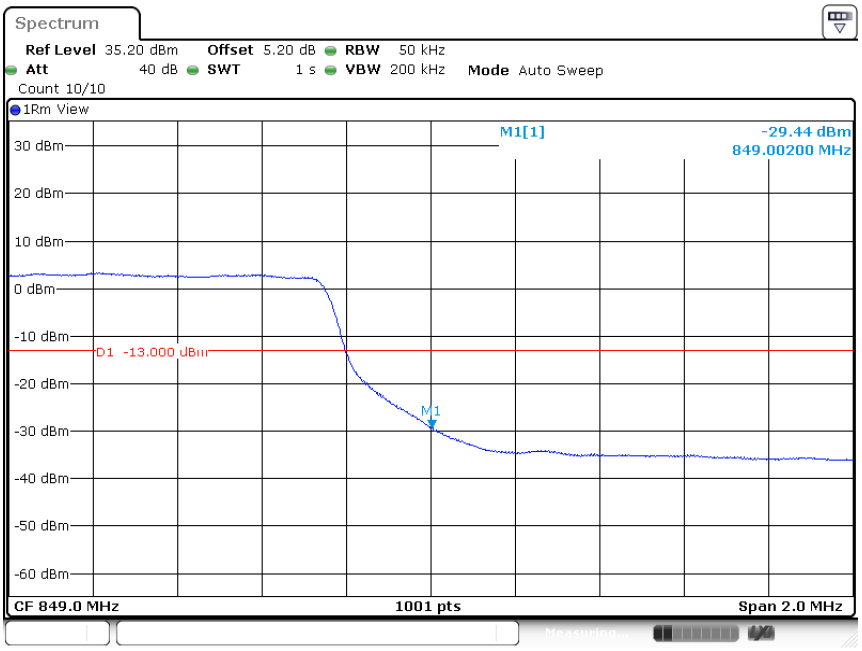

Date: 14.AUG.2020 23:56:18

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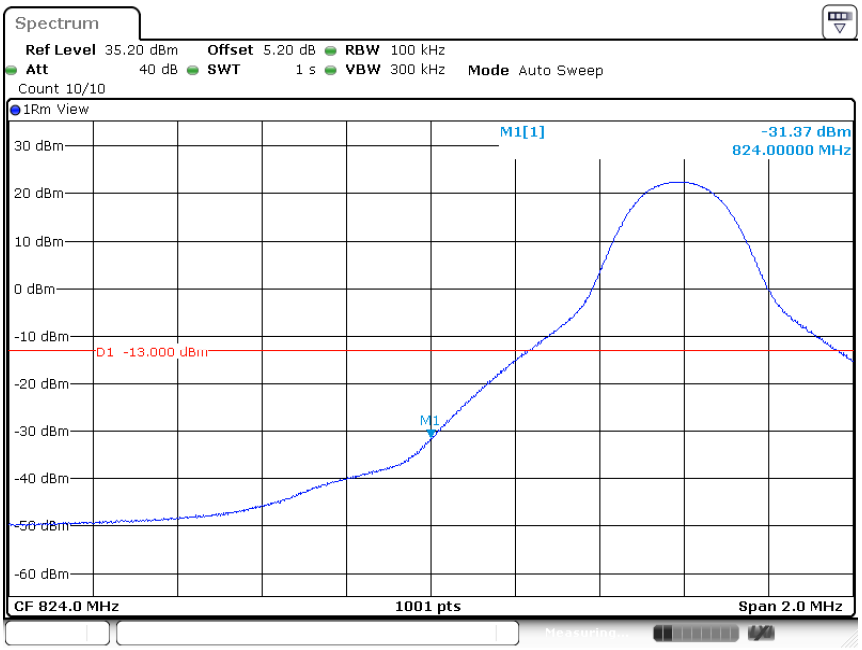

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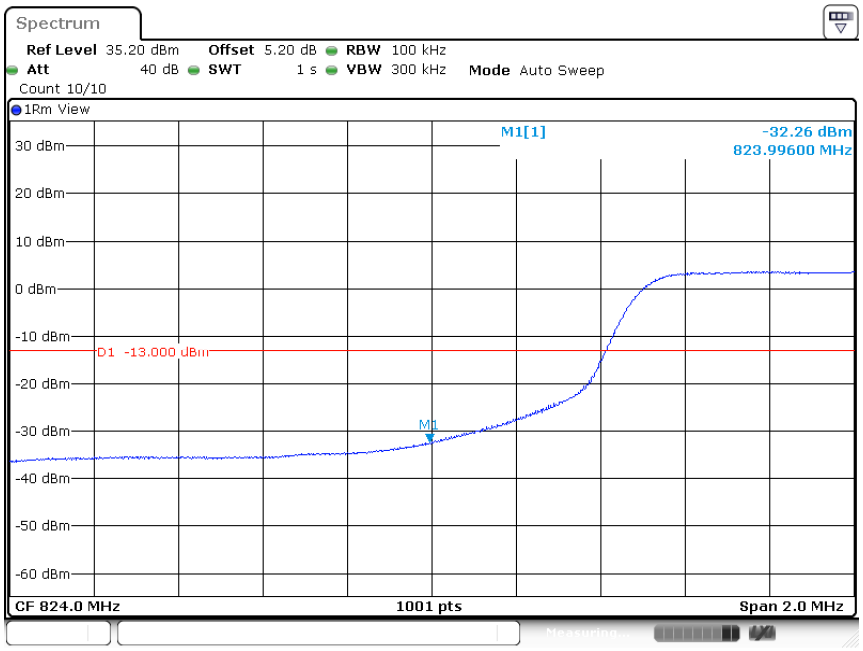
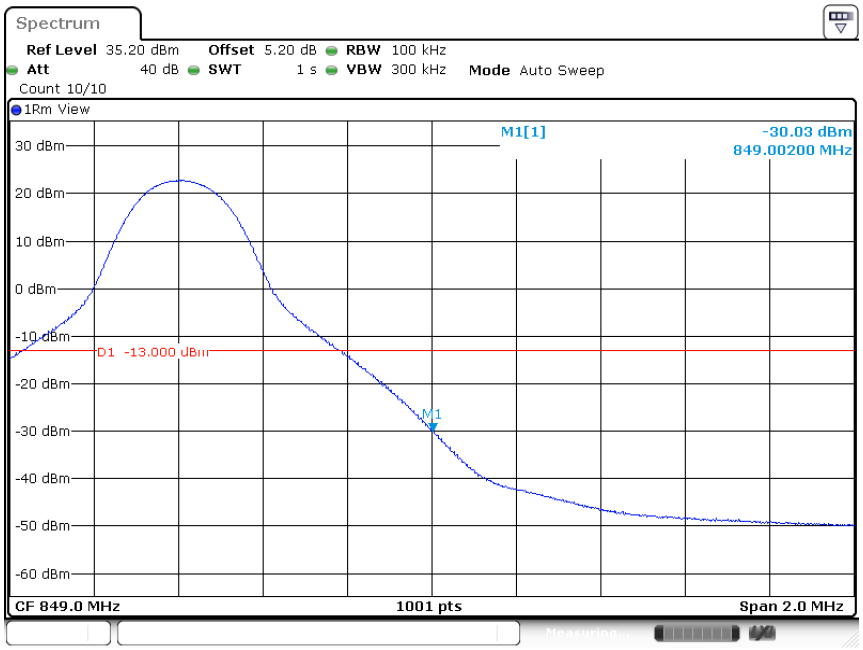


Date: 14.AUG.2020 23:57:26

Band5-10MHz-QPSK-20600-1RB#49



Date: 14.AUG.2020 23:58:13

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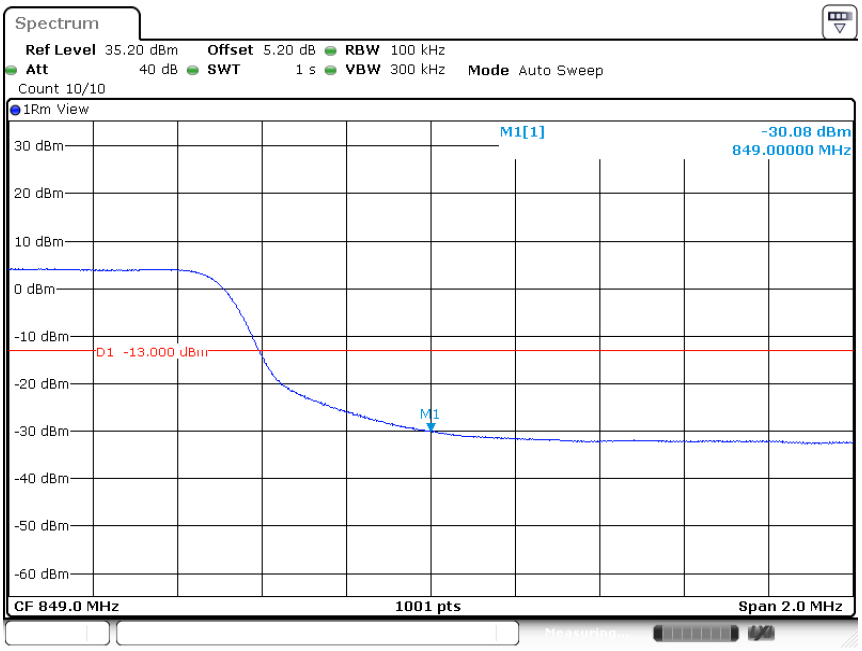
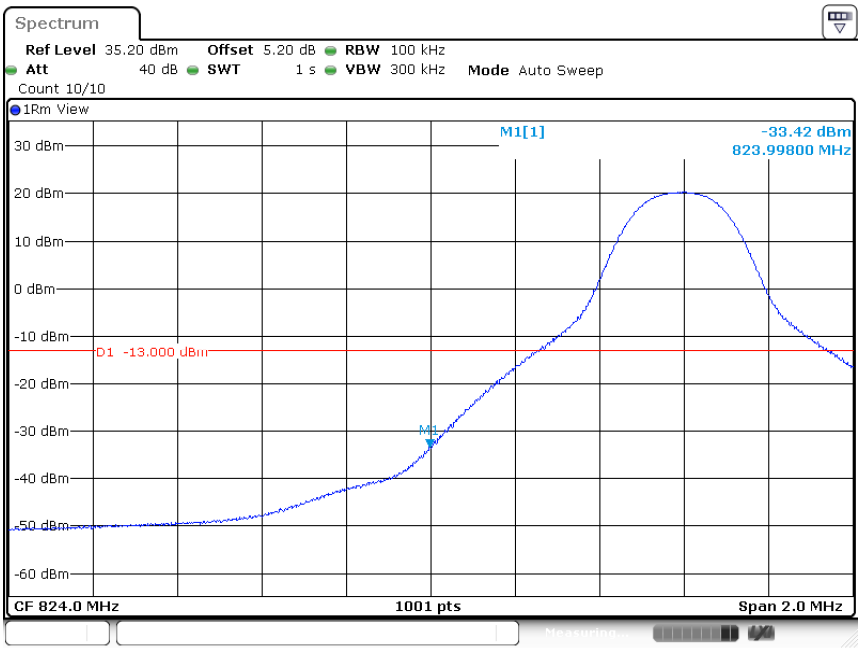
Band5-10MHz-QPSK-20600-50RB#0



Date: 14.AUG.2020 23:58:54

Band5-10MHz-64QAM-20450-1RB#0



Date: 15.AUG.2020 02:12:11

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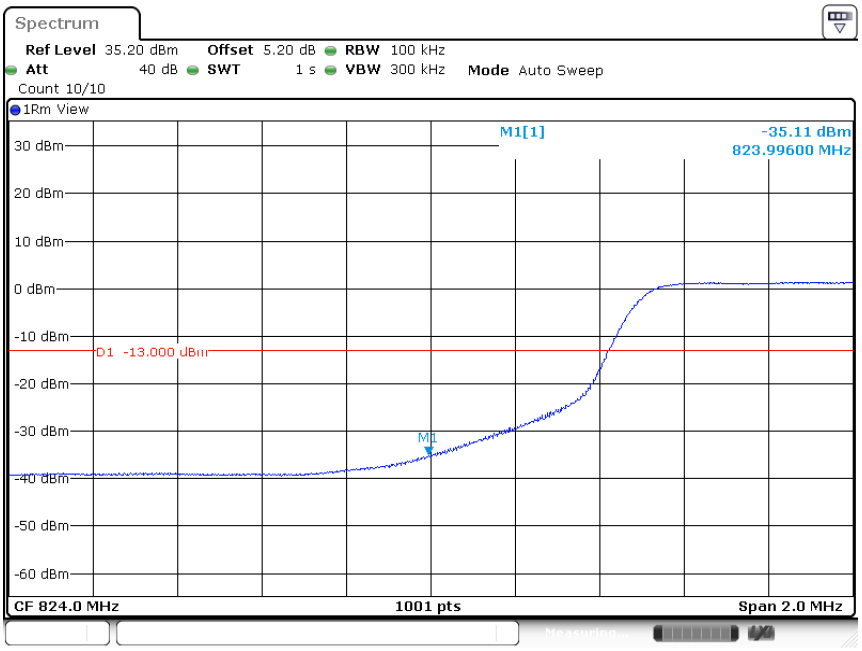
Band5-10MHz-64QAM-20450-50RB#0



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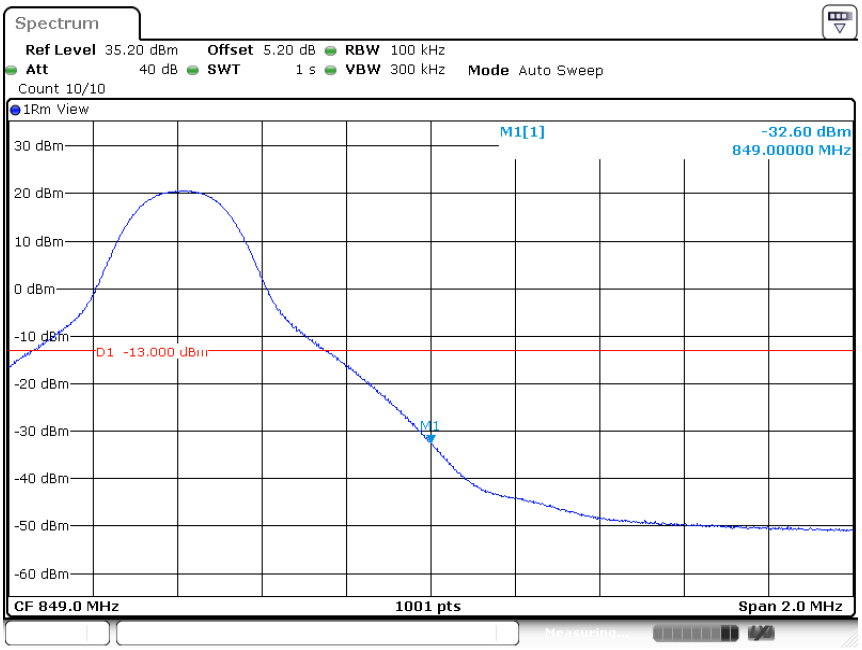
Band5-10MHz-64QAM-20600-1RB#49



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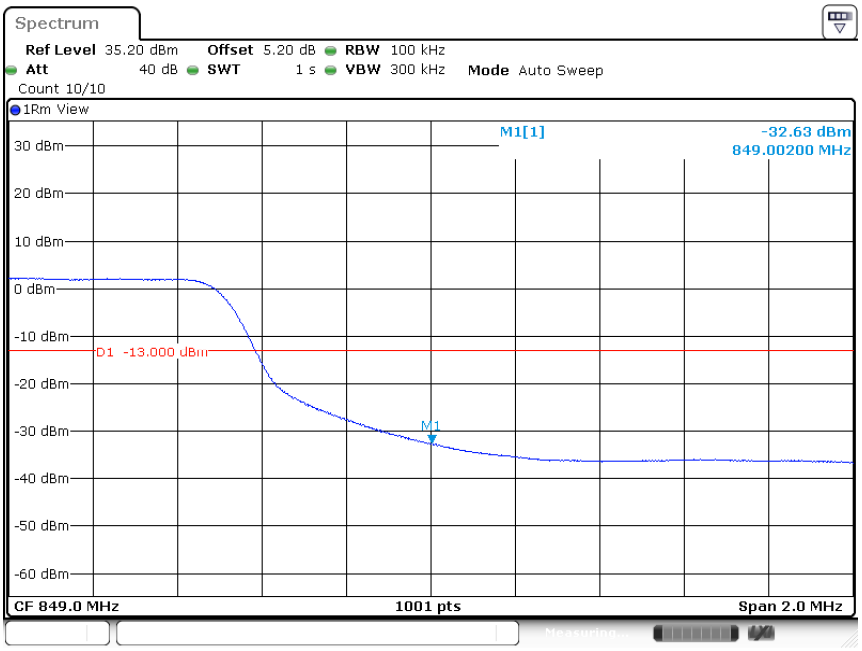
Band5-10MHz-64QAM-20600-50RB#0



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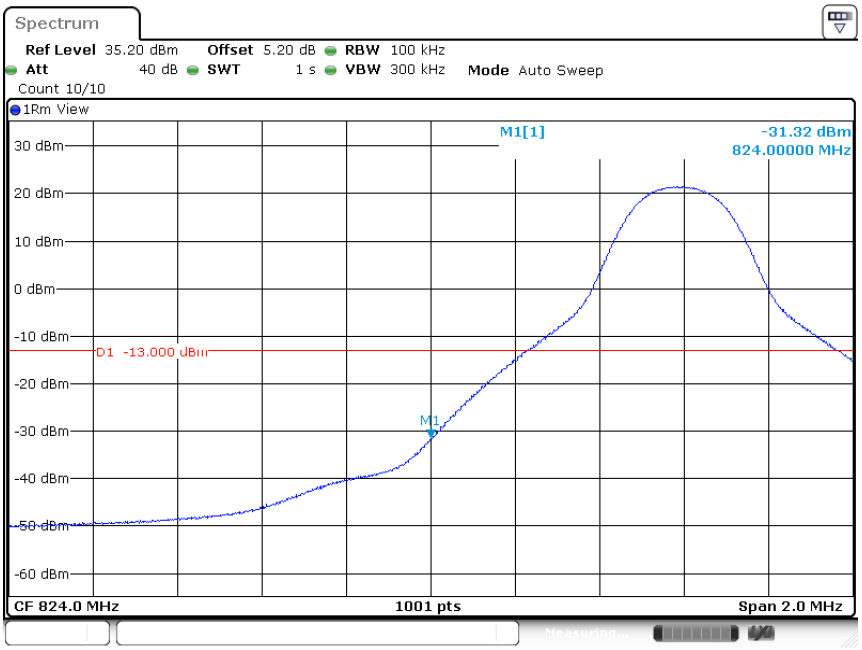
Band5-10MHz-16QAM-20450-1RB#0



Date: 14.AUG.2020 23:57:05

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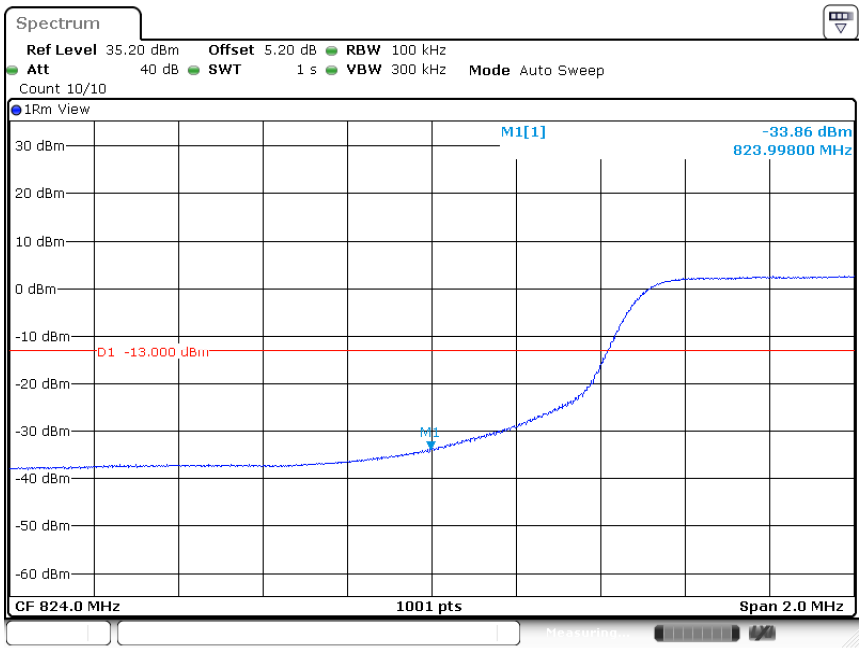
Band5-10MHz-16QAM-20450-50RB#0



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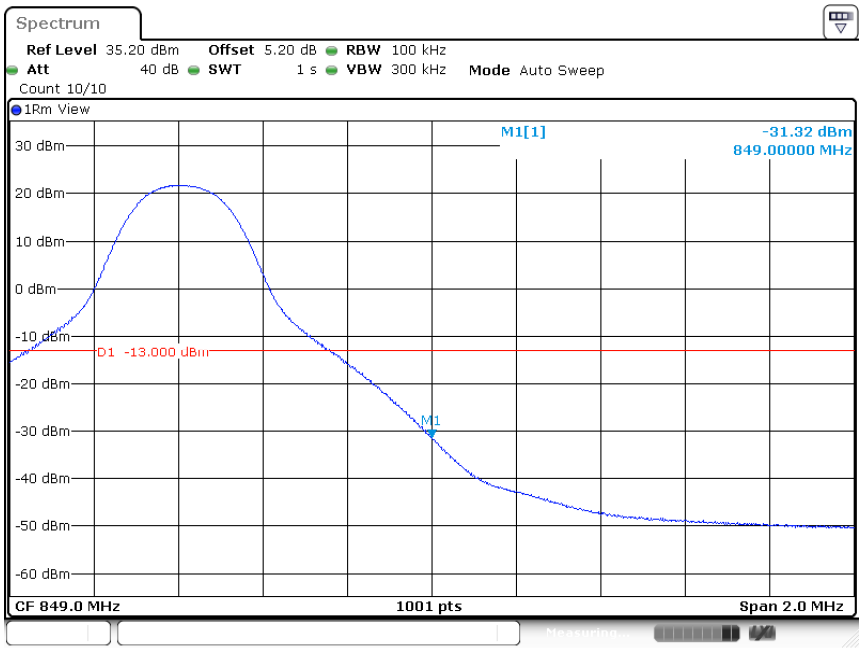
Band5-10MHz-16QAM-20600-1RB#49



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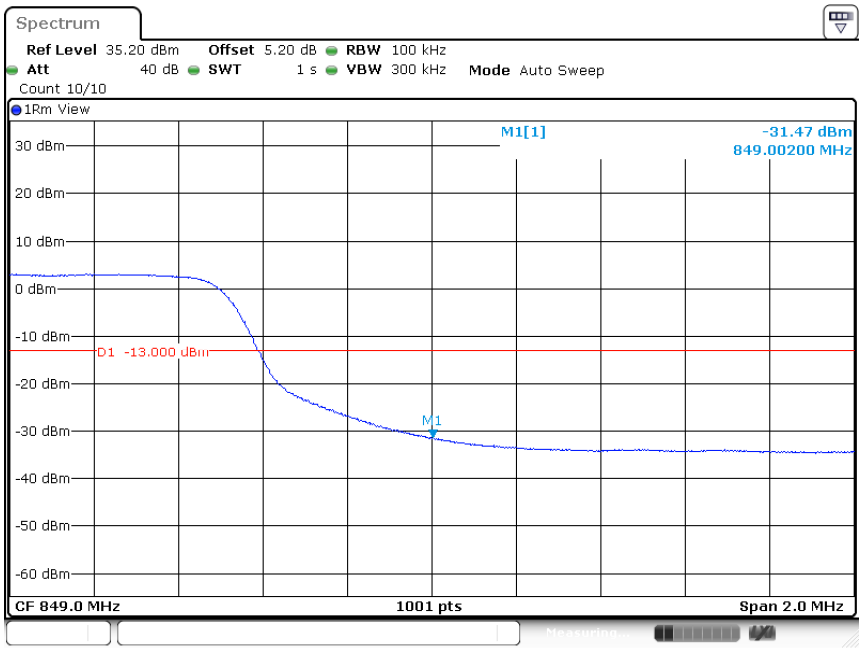
Band5-10MHz-16QAM-20600-50RB#0


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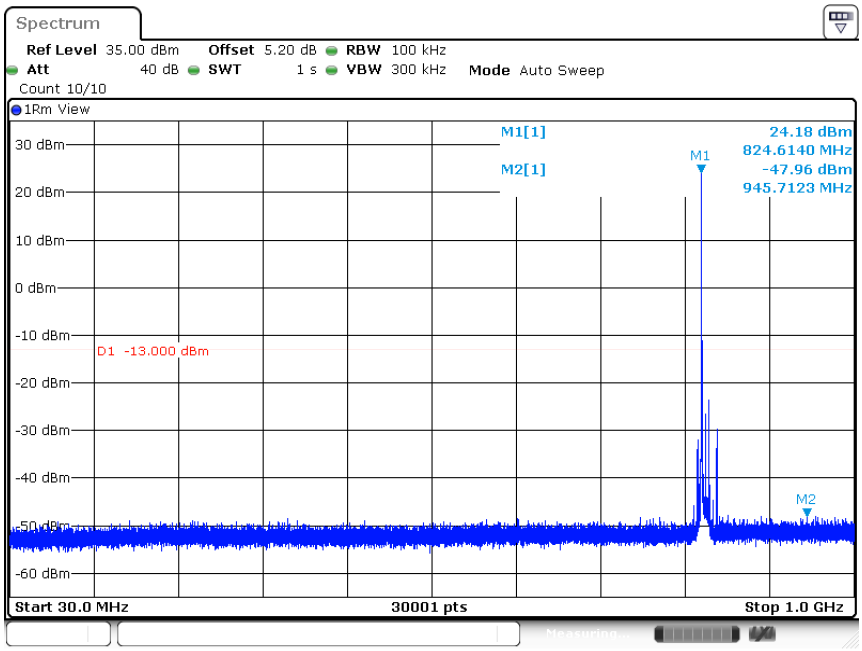
6. Spurious Emission at Antenna Terminal

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

Remark2: only the worst case data displayed in this report.

6.1. Test Plots

Band5-10MHz-QPSK-20450-1RB#0-Range1:30~1000MHz



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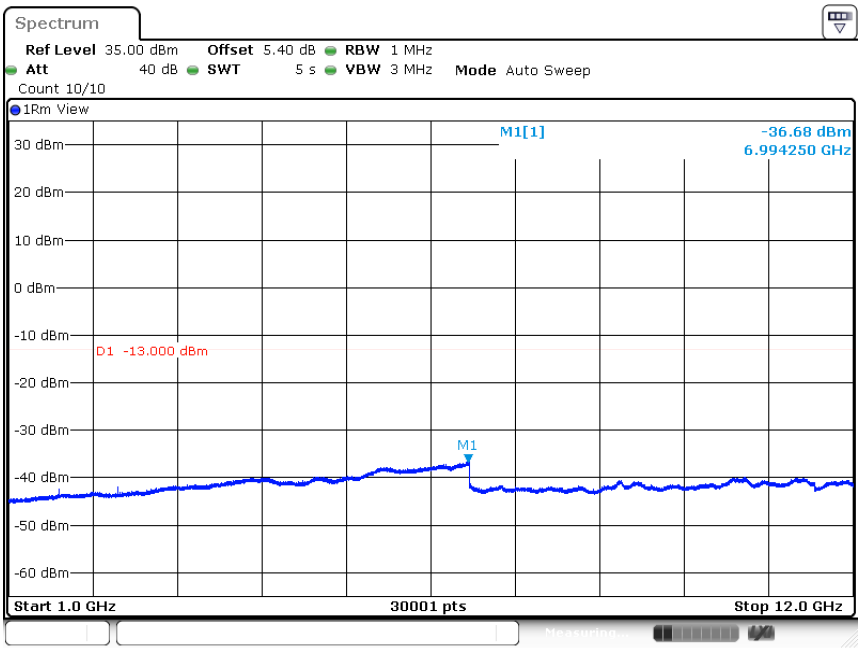
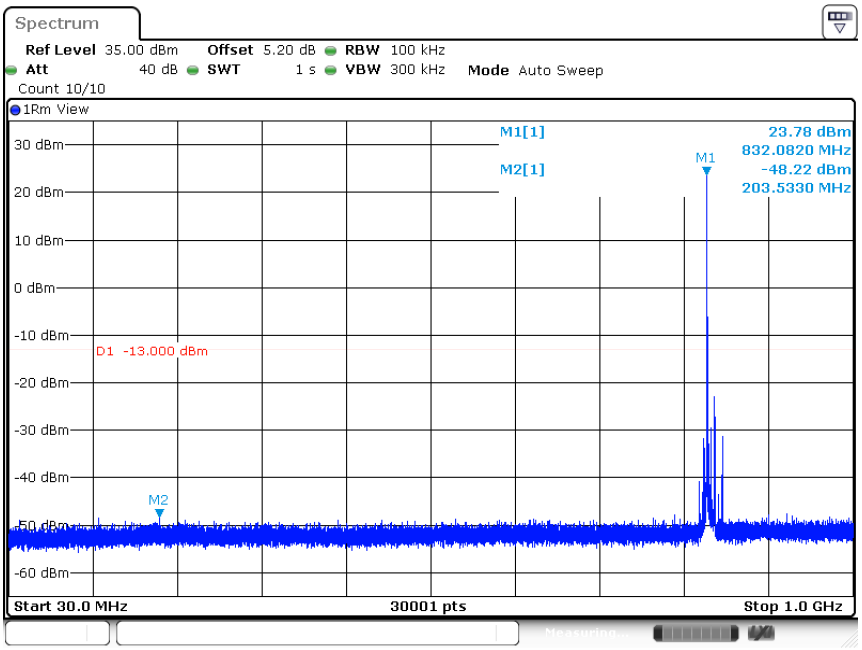
Band5-10MHz-QPSK-20450-1RB#0-Range2:1000~12000MHz



Date: 15.AUG.2020 00:00:46

Band5-10MHz-QPSK-20525-1RB#0-Range1:30~1000MHz



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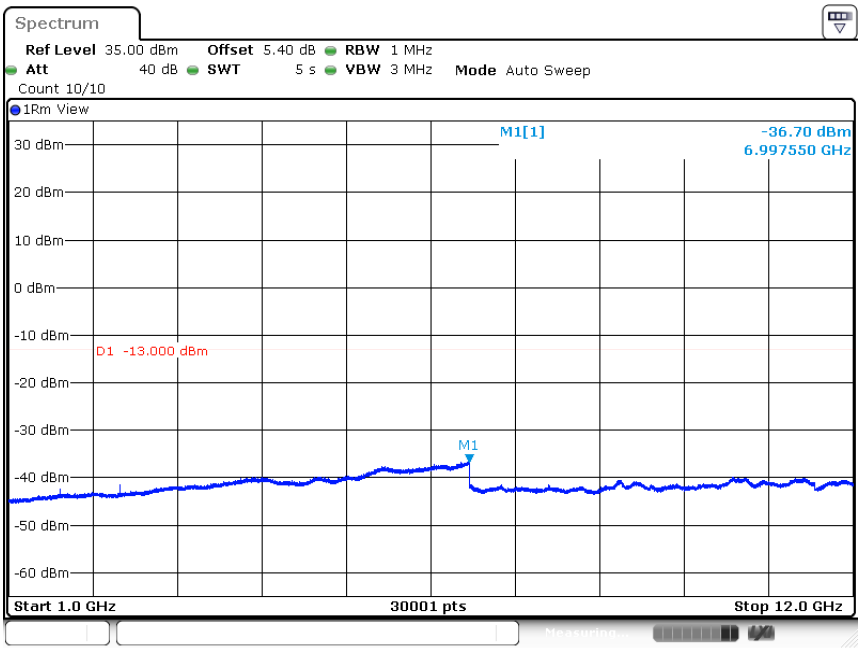
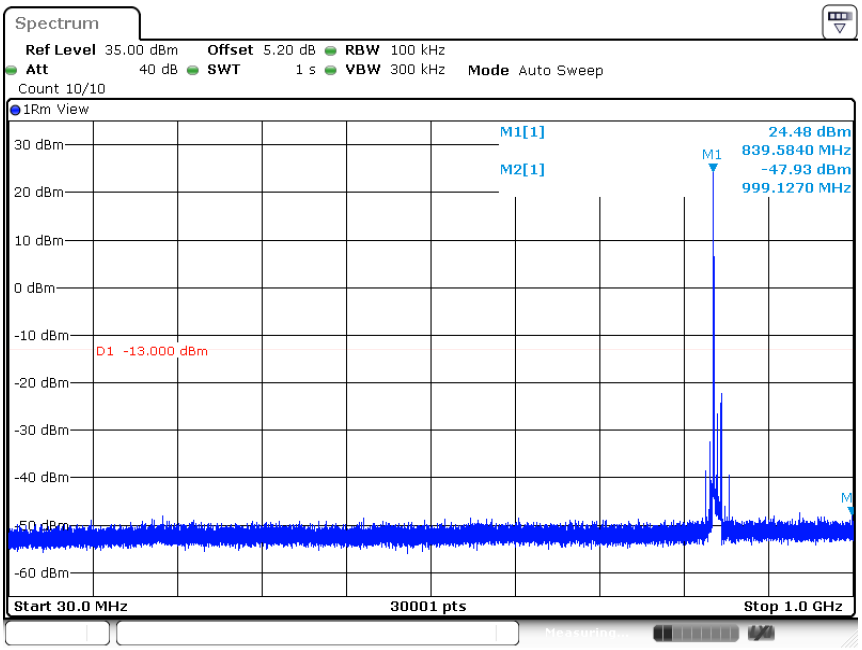
Band5-10MHz-QPSK-20525-1RB#0-Range2:1000~12000MHz



Date: 15.AUG.2020 00:03:41

Band5-10MHz-QPSK-20600-1RB#0-Range1:30~1000MHz



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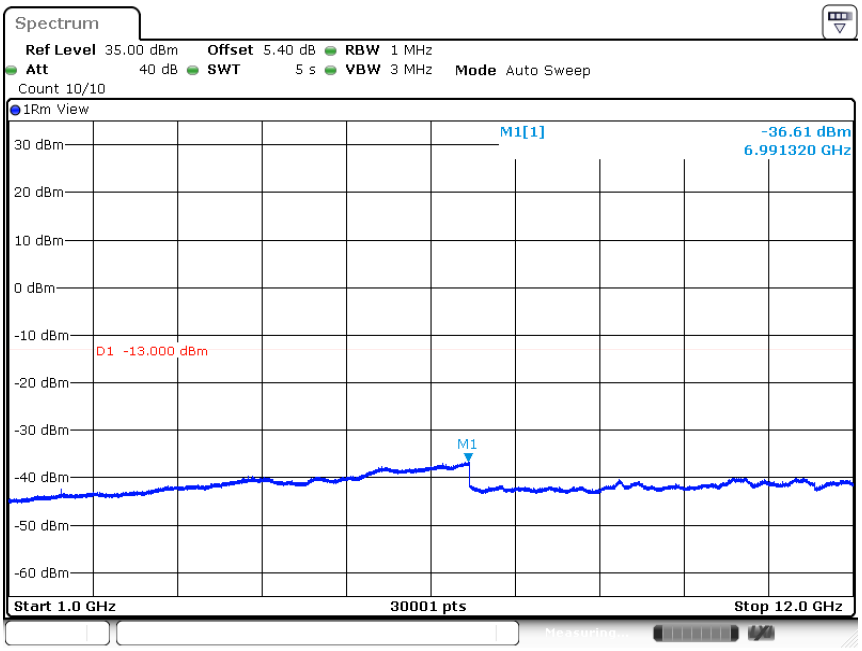
Band5-10MHz-QPSK-20600-1RB#0-Range2:1000~12000MHz



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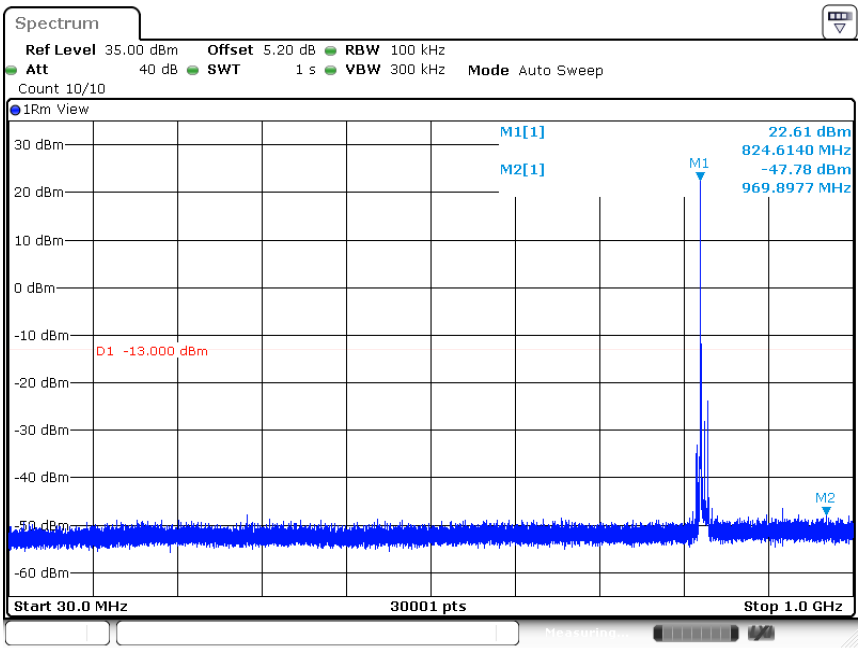

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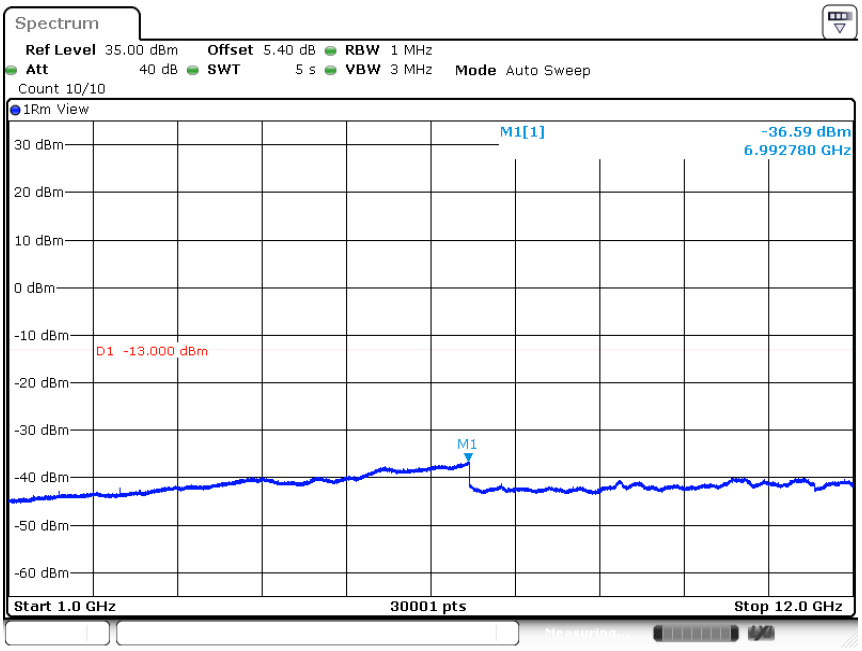
Band5-10MHz-64QAM-20450-1RB#0-Range2:1000~12000MHz



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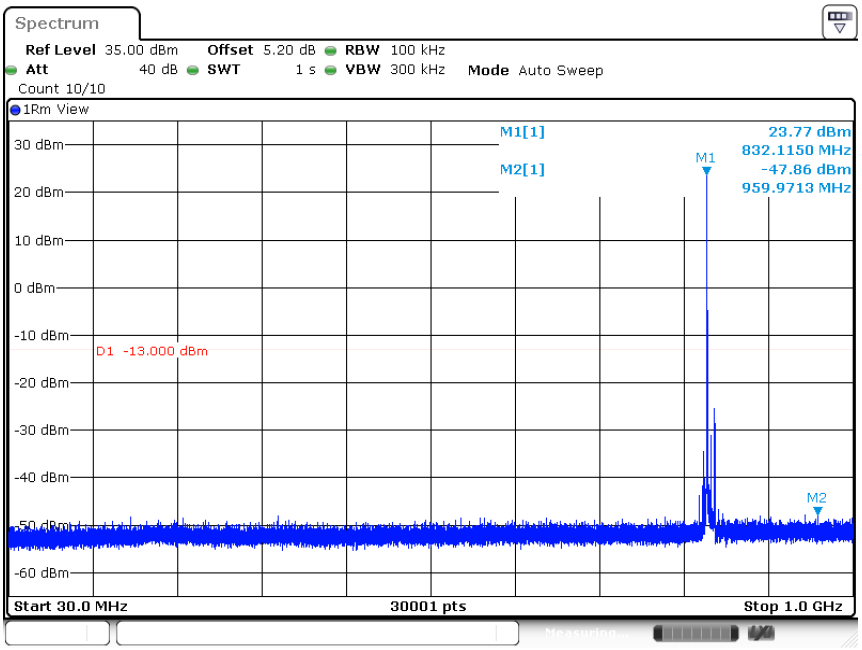

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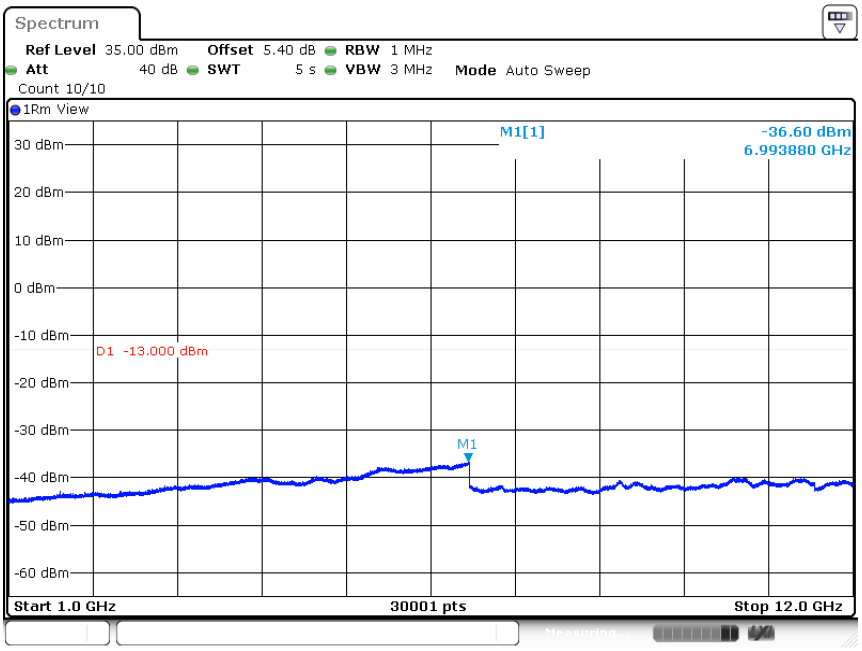
Band5-10MHz-64QAM-20525-1RB#0-Range2:1000~12000MHz



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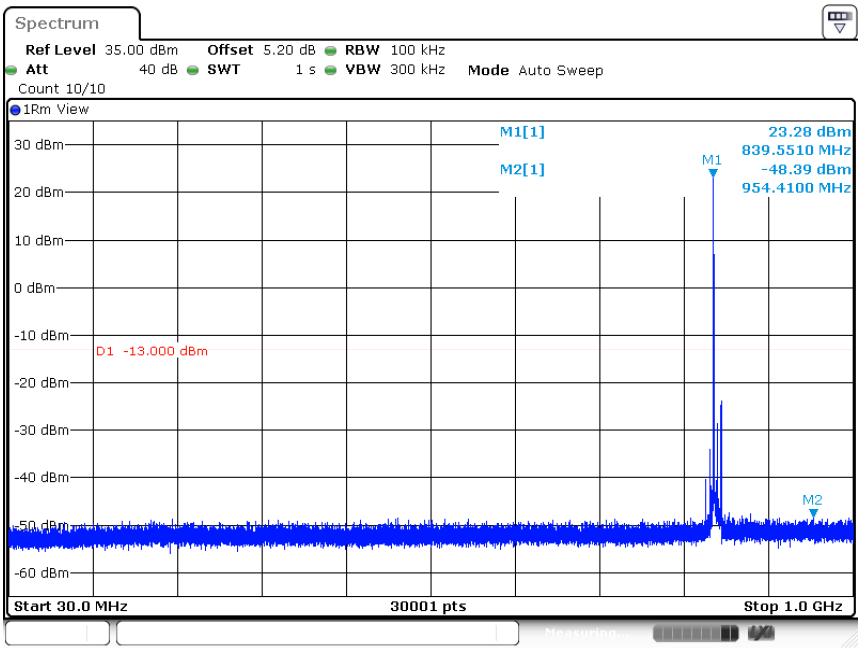
Band5-10MHz-64QAM-20600-1RB#0-Range1:30~1000MHz



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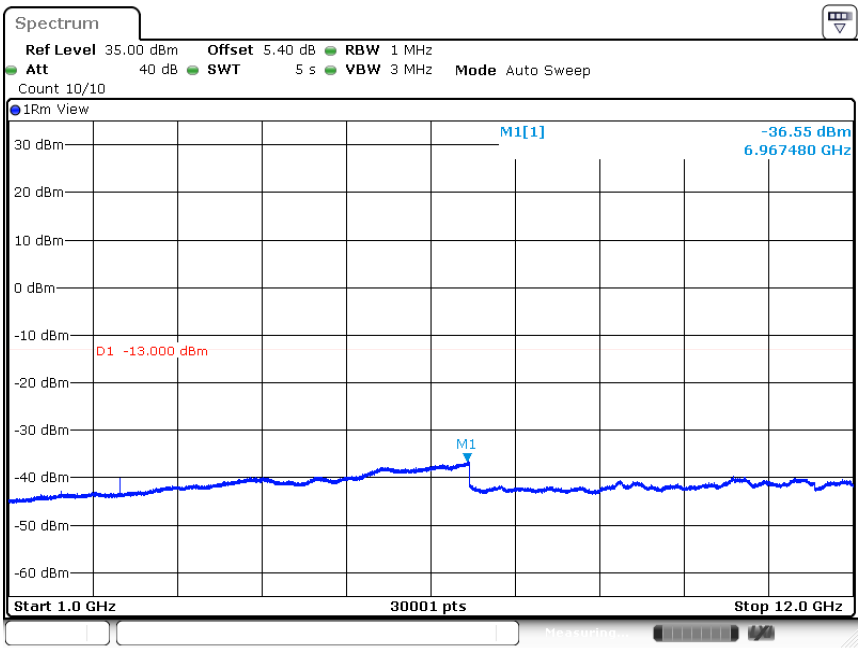

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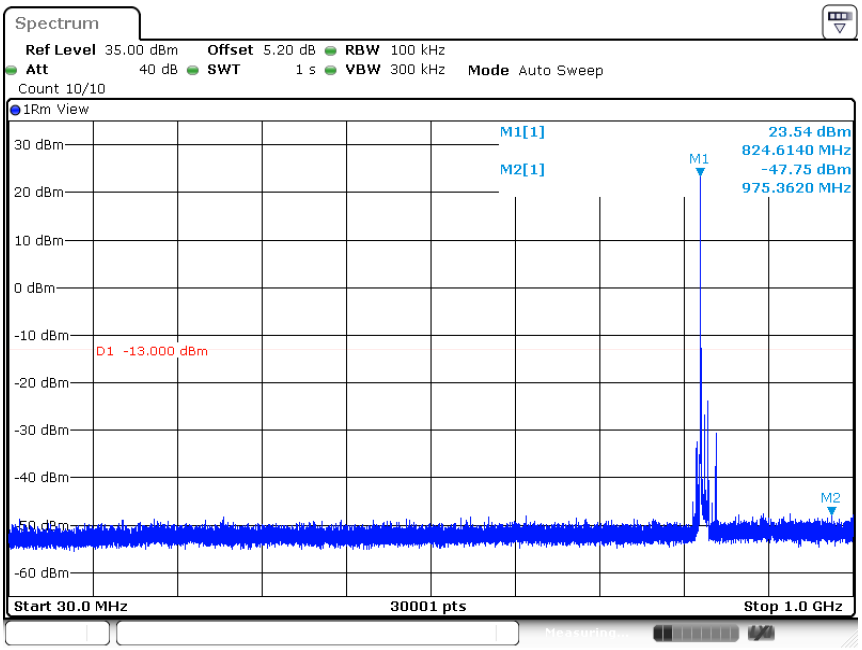
Band5-10MHz-16QAM-20450-1RB#0-Range1:30~1000MHz



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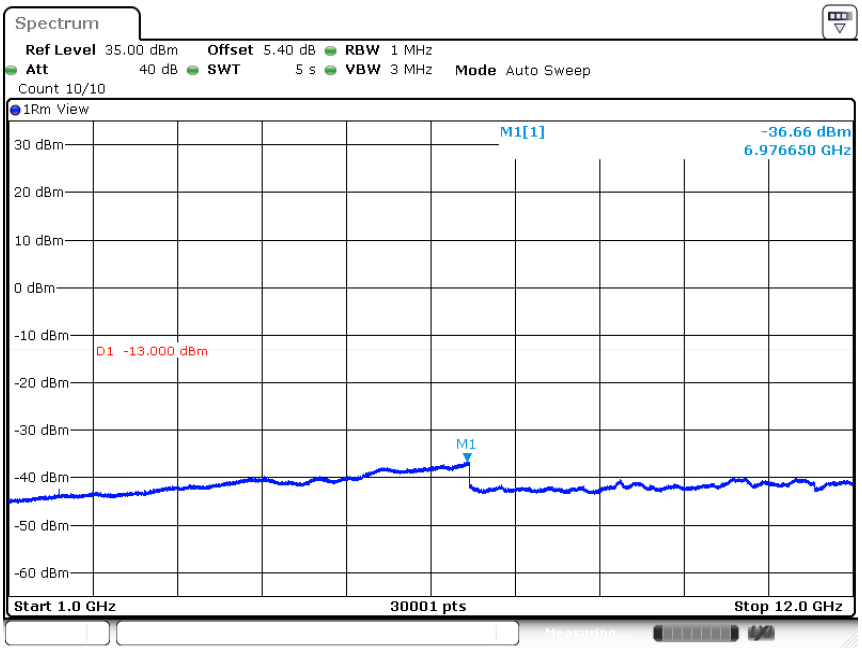

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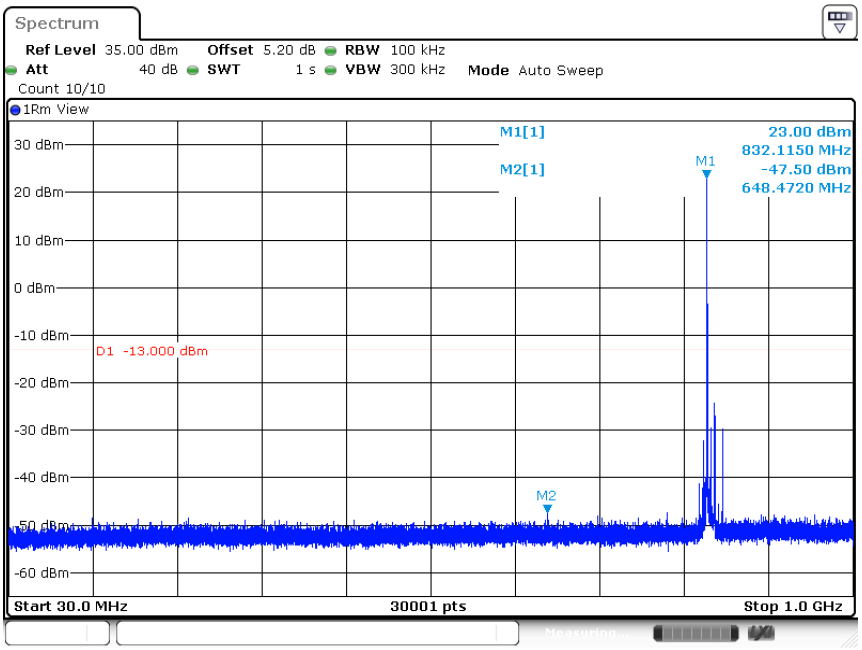

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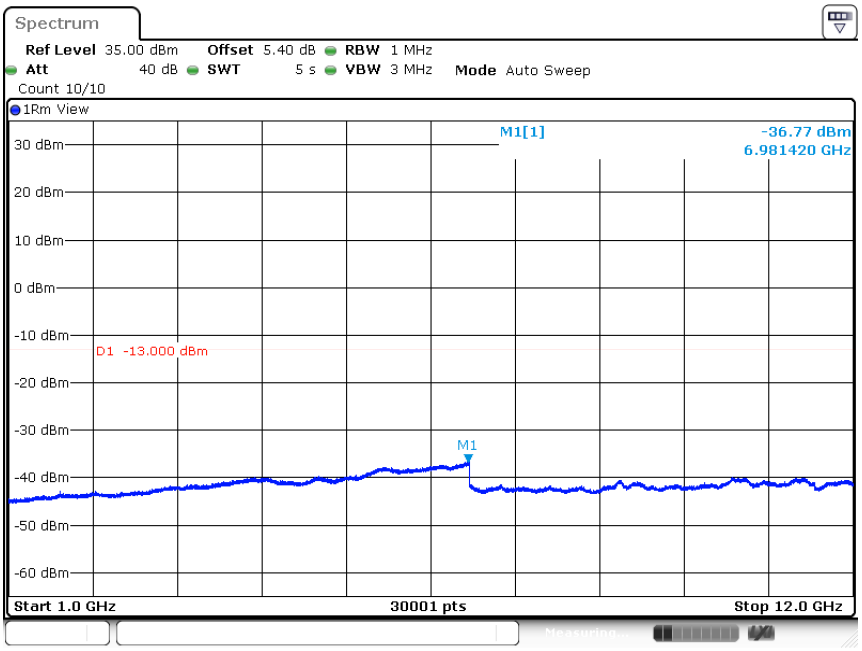

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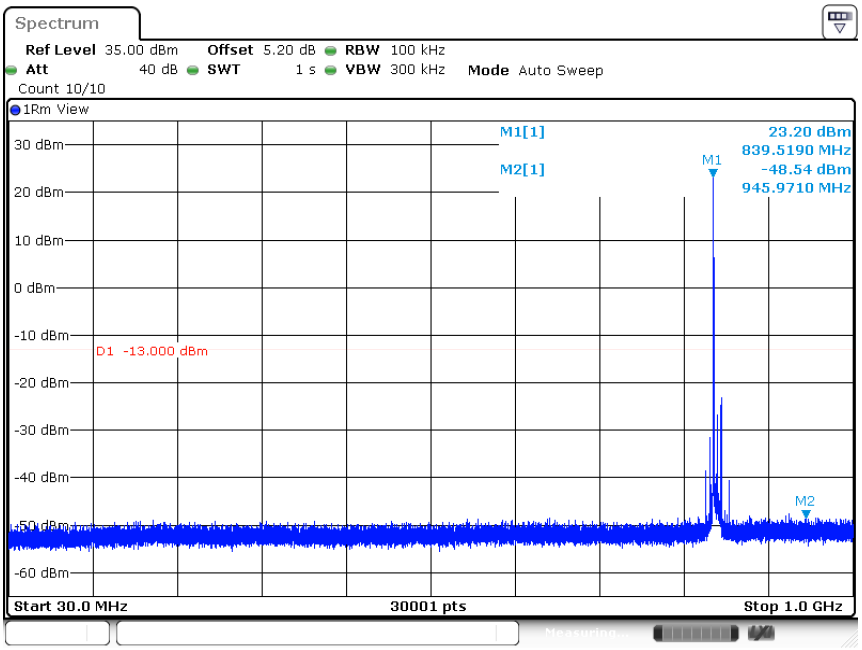

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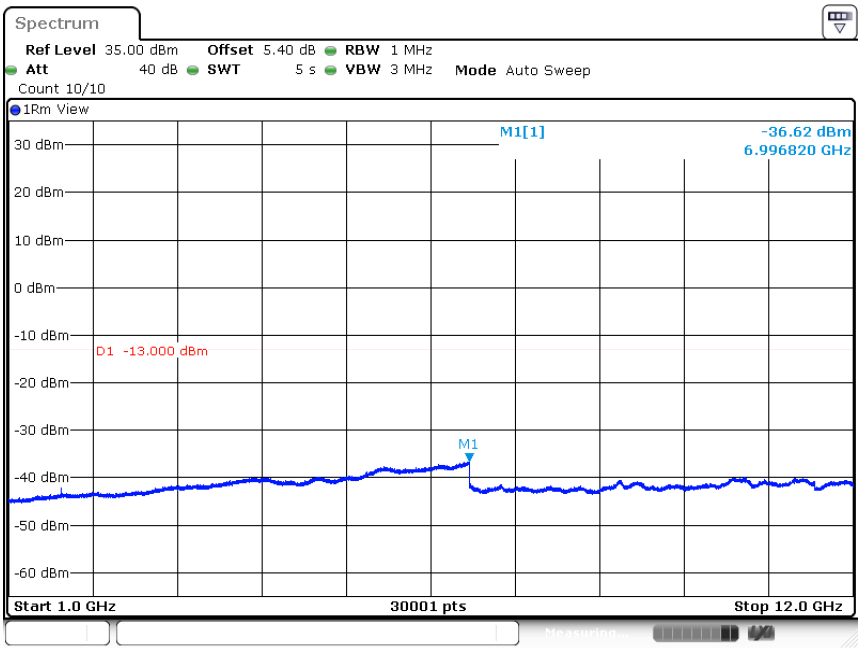

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7. Field Strength of Spurious Radiation

7.1. Test Mode =LTE/TM1 10MHz(Up Antenna)

7.1.1.Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
50.6620	-70.06	-13.00	57.06	Vertical
118.0804	-62.83	-13.00	49.83	Vertical
328.7749	-66.43	-13.00	53.43	Vertical
1648.9298	-64.57	-13.00	51.57	Vertical
2438.6877	-57.47	-13.00	44.47	Vertical
9297.8766	-52.05	-13.00	39.05	Vertical
41.6891	-62.43	-13.00	49.43	Horizontal
88.4939	-72.70	-13.00	59.70	Horizontal
226.1923	-65.68	-13.00	52.68	Horizontal
1649.3299	-61.38	-13.00	48.38	Horizontal
2699.1398	-56.43	-13.00	43.43	Horizontal
7458.6820	-56.16	-13.00	43.16	Horizontal

7.1.2.Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
50.1285	-69.94	-13.00	56.94	Vertical
117.3044	-62.38	-13.00	49.38	Vertical
383.6797	-65.57	-13.00	52.57	Vertical
1710.1420	-63.06	-13.00	50.06	Vertical
2691.1382	-57.62	-13.00	44.62	Vertical
7447.9483	-55.89	-13.00	42.89	Vertical
40.6220	-62.57	-13.00	49.57	Horizontal
109.5925	-72.51	-13.00	59.51	Horizontal
243.9442	-64.61	-13.00	51.61	Horizontal
1664.1328	-63.38	-13.00	50.38	Horizontal
2693.9388	-56.40	-13.00	43.40	Horizontal
7466.8489	-56.20	-13.00	43.20	Horizontal

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7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
48.3339	-69.47	-13.00	56.47	Vertical
112.0661	-63.36	-13.00	50.36	Vertical
393.3802	-64.67	-13.00	51.67	Vertical
1699.7399	-63.34	-13.00	50.34	Vertical
2462.6925	-57.33	-13.00	44.33	Vertical
7363.7121	-55.75	-13.00	42.75	Vertical
41.6891	-62.09	-13.00	49.09	Horizontal
79.0360	-73.29	-13.00	60.29	Horizontal
235.7958	-65.83	-13.00	52.83	Horizontal
1599.7199	-64.11	-13.00	51.11	Horizontal
2701.5403	-56.49	-13.00	43.49	Horizontal
9327.0442	-52.83	-13.00	39.83	Horizontal

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7.2. Test Mode =LTE/TM1 10MHz(Down Antenna)

7.2.1.Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
111.3386	-62.39	-13.00	49.39	Vertical
433.3462	-65.01	-13.00	52.01	Vertical
1648.9298	-56.62	-13.00	43.62	Vertical
2473.8948	-55.26	-13.00	42.26	Vertical
7312.6104	-56.85	-13.00	43.85	Vertical
9828.0276	-52.43	-13.00	39.43	Vertical
39.6520	-62.82	-13.00	49.82	Horizontal
233.9042	-65.02	-13.00	52.02	Horizontal
1649.3299	-56.21	-13.00	43.21	Horizontal
2473.8948	-51.81	-13.00	38.81	Horizontal
7486.2162	-56.63	-13.00	43.63	Horizontal
9310.0103	-53.01	-13.00	40.01	Horizontal

7.2.2.Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
107.2159	-62.20	-13.00	49.20	Vertical
453.6202	-64.56	-13.00	51.56	Vertical
1664.1328	-59.42	-13.00	46.42	Vertical
2496.2993	-57.47	-13.00	44.47	Vertical
7329.8777	-56.11	-13.00	43.11	Vertical
9901.7634	-52.54	-13.00	39.54	Vertical
37.7119	-62.02	-13.00	49.02	Horizontal
230.5575	-65.15	-13.00	52.15	Horizontal
1664.1328	-57.47	-13.00	44.47	Horizontal
2496.2993	-54.86	-13.00	41.86	Horizontal
5611.7871	-61.22	-13.00	48.22	Horizontal
9312.3437	-52.57	-13.00	39.57	Horizontal

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7.2.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
111.3386	-62.65	-13.00	49.65	Vertical
449.5460	-64.54	-13.00	51.54	Vertical
1679.3359	-62.44	-13.00	49.44	Vertical
2518.7037	-58.20	-13.00	45.20	Vertical
7997.6999	-55.75	-13.00	42.75	Vertical
9893.1298	-52.22	-13.00	39.22	Vertical
42.2711	-62.88	-13.00	49.88	Horizontal
244.9627	-65.27	-13.00	52.27	Horizontal
1678.9358	-61.45	-13.00	48.45	Horizontal
2518.7037	-54.97	-13.00	41.97	Horizontal
6695.1898	-59.12	-13.00	46.12	Horizontal
9330.5444	-52.57	-13.00	39.57	Horizontal

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
Band5	10MHz	QPSK	20450	50RB#0	VL	NT	-0.50	-0.000603	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	VN	NT	-0.50	-0.000603	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	VH	NT	0.50	0.000603	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VL	NT	-0.60	-0.000717	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VN	NT	0.10	0.000120	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	0.70	0.000837	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VL	NT	1.80	0.002133	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VN	NT	2.30	0.002725	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VH	NT	0.10	0.000118	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	VL	NT	0.70	0.000844	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	VN	NT	-1.10	-0.001327	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	VH	NT	-0.80	-0.000965	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	VL	NT	1.30	0.001554	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	VN	NT	2.80	0.003347	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	VH	NT	-0.10	-0.000120	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	VL	NT	0.30	0.000355	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	VN	NT	0.20	0.000237	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	VH	NT	0.40	0.000474	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VL	NT	0.50	0.000603	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VN	NT	-0.40	-0.000483	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VH	NT	-0.10	-0.000121	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VL	NT	0.50	0.000598	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VN	NT	-0.80	-0.000956	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VH	NT	-1.10	-0.001315	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VL	NT	-1.70	-0.002014	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VN	NT	0.50	0.000592	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VH	NT	0.50	0.000592	±2.5	PASS

8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict

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Band5	10MHz	QPSK	20450	50RB#0	NV	-30	-0.10	-0.000121	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-20	-0.20	-0.000241	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	0	-1.30	-0.001568	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	10	2.00	0.002413	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	20	-0.60	-0.000724	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	30	0.30	0.000362	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	40	-1.60	-0.001930	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	50	0.00	0.000000	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-30	0.80	0.000956	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	-0.60	-0.000717	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	2.00	0.002391	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	-0.90	-0.001076	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	-0.50	-0.000598	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	-0.10	-0.000120	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	0.40	0.000478	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	-1.10	-0.001315	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-30	0.40	0.000474	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-20	3.10	0.003673	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	0	1.30	0.001540	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	10	1.90	0.002251	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	20	0.20	0.000237	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	30	-0.50	-0.000592	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	40	0.70	0.000829	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	50	0.10	0.000118	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	-30	0.60	0.000724	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	-20	-0.50	-0.000603	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	0	-1.50	-0.001809	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	10	-0.60	-0.000724	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	20	-0.90	-0.001086	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	30	0.50	0.000603	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	40	-1.30	-0.001568	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	50	-1.00	-0.001206	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	-30	-0.10	-0.000120	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	-20	0.20	0.000239	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	0	2.40	0.002869	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	10	1.20	0.001435	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	20	0.70	0.000837	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	30	1.30	0.001554	±2.5	PASS

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Band5	10MHz	64QAM	20525	50RB#0	NV	40	0.20	0.000239	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	50	-0.60	-0.000717	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	-30	2.10	0.002488	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	-20	2.20	0.002607	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	0	1.70	0.002014	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	10	0.80	0.000948	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	20	0.90	0.001066	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	30	1.80	0.002133	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	40	1.00	0.001185	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	50	1.40	0.001659	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	-30	-0.50	-0.000603	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	-20	0.90	0.001086	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	0	1.10	0.001327	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	10	1.20	0.001448	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	20	0.70	0.000844	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	30	1.30	0.001568	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	40	2.10	0.002533	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	50	2.20	0.002654	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	-30	-0.50	-0.000598	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	-20	-0.10	-0.000120	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	0	1.20	0.001435	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	10	1.30	0.001554	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	20	3.20	0.003825	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	30	0.30	0.000359	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	40	0.60	0.000717	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	50	0.40	0.000478	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	-30	0.20	0.000237	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	-20	0.80	0.000948	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	0	-0.70	-0.000829	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	10	-0.30	-0.000355	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	20	0.40	0.000474	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	30	1.70	0.002014	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	40	-1.00	-0.001185	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	50	-0.50	-0.000592	±2.5	PASS

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