Appendix B

E-UTRA Band 5

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CONTENT

1 EFFECTIVE (ISOTROPIC) RADIATED POWER....3

1.1. TEST RESULT....3

2. PEAK-TO-AVERAGE RATIO (CCDF)....11

2.1. TEST RESULT....11

2.2. TEST PLOTS....11

3. MODULATION CHARACTERISTICS....16

3.1. TEST MODE = LTE /TM1 10MHZ....16

3.1.1. TEST CHANNEL = MCH....16

3.2. TEST MODE = LTE /TM2 10MHZ....17

3.2.1. TEST CHANNEL = MCH....17

3.3. TEST MODE = LTE /TM3 10MHZ....18

3.3.1. TEST CHANNEL = MCH....18

4. 26DB BANDWIDTH AND OCCUPIED BANDWIDTH....19

4.1. TEST RESULT....19

4.2. TEST PLOTS....20

5. BAND EDGE COMPLIANCE....39

5.1. TEST RESULT....39

5.2. TEST PLOTS....40

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

6.1. TEST PLOTS....66

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

7.1. TEST MODE =LTE/TM1 10MHZ....75

7.1.1. TEST CHANNEL = LCH....75

7.1.2. TEST CHANNEL = MCH....75

7.1.3. TEST CHANNEL = HCH....76

8. FREQUENCY STABILITY....77

8.1. FREQUENCY VS VOLTAGE....77

8.2. FREQUENCY VS TEMPERATURE....78

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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#2	23.67	13.56	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.99	13.88	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	23.71	13.6	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	23.83	13.72	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	24.02	13.91	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	23.86	13.75	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.82	12.71	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.78	13.67	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.93	13.82	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.74	13.63	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	23.92	13.81	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	23.83	13.72	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	23.82	13.71	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.96	12.85	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.7	13.59	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.78	13.67	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.73	13.62	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	23.71	13.6	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	23.83	13.72	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	23.83	13.72	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.91	12.8	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	21.56	11.45	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#2	21.49	11.38	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#5	21.36	11.25	38.45	PASS
Band5	1.4MHz	64QAM	20407	3RB#3	21.46	11.35	38.45	PASS
Band5	1.4MHz	64QAM	20407	3RB#0	21.35	11.24	38.45	PASS
Band5	1.4MHz	64QAM	20407	3RB#1	21.64	11.53	38.45	PASS

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Band5	1.4MHz	64QAM	20407	6RB#0	20.59	10.48	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#2	21.55	11.44	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#5	21.55	11.44	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	21.37	11.26	38.45	PASS
Band5	1.4MHz	64QAM	20525	3RB#0	21.41	11.3	38.45	PASS
Band5	1.4MHz	64QAM	20525	3RB#1	21.42	11.31	38.45	PASS
Band5	1.4MHz	64QAM	20525	3RB#3	21.52	11.41	38.45	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	20.65	10.54	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#5	21.52	11.41	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#2	21.43	11.32	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	21.5	11.39	38.45	PASS
Band5	1.4MHz	64QAM	20643	3RB#3	21.39	11.28	38.45	PASS
Band5	1.4MHz	64QAM	20643	3RB#1	21.31	11.2	38.45	PASS
Band5	1.4MHz	64QAM	20643	3RB#0	21.36	11.25	38.45	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	20.47	10.36	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.86	12.75	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.9	12.79	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.66	12.55	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	22.67	12.56	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	22.63	12.52	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	22.78	12.67	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	22.04	11.93	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.82	12.71	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	23.09	12.98	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	23.2	13.09	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	22.87	12.76	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	22.75	12.64	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	22.89	12.78	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	22.03	11.92	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.53	12.42	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.75	12.64	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.83	12.72	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	22.67	12.56	38.45	PASS

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Band5	1.4MHz	16QAM	20643	3RB#1	22.89	12.78	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	22.72	12.61	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	22.11	12	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.67	13.56	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.95	13.84	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.81	13.7	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#7	22.84	12.73	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#0	22.87	12.76	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#4	22.71	12.6	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.84	12.73	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.71	13.6	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.98	13.87	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.78	13.67	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#4	22.81	12.7	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.87	12.76	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#0	22.76	12.65	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.9	12.79	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.71	13.6	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.91	13.8	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.81	13.7	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#4	22.79	12.68	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#0	22.91	12.8	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.85	12.74	38.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.84	12.73	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#8	21.68	11.57	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#14	21.63	11.52	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#0	21.47	11.36	38.45	PASS
Band5	3MHz	64QAM	20415	8RB#7	20.53	10.42	38.45	PASS
Band5	3MHz	64QAM	20415	8RB#0	20.58	10.47	38.45	PASS
Band5	3MHz	64QAM	20415	8RB#4	20.64	10.53	38.45	PASS
Band5	3MHz	64QAM	20415	15RB#0	20.4	10.29	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#8	21.65	11.54	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#14	21.66	11.55	38.45	PASS

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Band5	3MHz	64QAM	20525	1RB#0	21.49	11.38	38.45	PASS
Band5	3MHz	64QAM	20525	8RB#0	20.64	10.53	38.45	PASS
Band5	3MHz	64QAM	20525	8RB#4	20.61	10.5	38.45	PASS
Band5	3MHz	64QAM	20525	8RB#7	20.6	10.49	38.45	PASS
Band5	3MHz	64QAM	20525	15RB#0	20.39	10.28	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#14	21.66	11.55	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#8	21.58	11.47	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#0	21.62	11.51	38.45	PASS
Band5	3MHz	64QAM	20635	8RB#4	20.55	10.44	38.45	PASS
Band5	3MHz	64QAM	20635	8RB#7	20.68	10.57	38.45	PASS
Band5	3MHz	64QAM	20635	8RB#0	20.56	10.45	38.45	PASS
Band5	3MHz	64QAM	20635	15RB#0	20.59	10.48	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.87	12.76	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.7	12.59	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	23.14	13.03	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#4	22.05	11.94	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#7	21.84	11.73	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#0	21.89	11.78	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.81	11.7	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.64	12.53	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.95	12.84	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.95	12.84	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#0	22.16	12.05	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#4	21.92	11.81	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#7	21.87	11.76	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.81	11.7	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.58	12.47	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.8	12.69	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	23.11	13	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#4	22.05	11.94	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#0	21.96	11.85	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#7	21.89	11.78	38.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.85	11.74	38.45	PASS

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Band5	5MHz	QPSK	20425	1RB#0	23.73	13.62	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.8	13.69	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.74	13.63	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#6	22.81	12.7	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#0	22.92	12.81	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#13	22.79	12.68	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.86	12.75	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.72	13.61	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.91	13.8	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.68	13.57	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.9	12.79	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.82	12.71	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.76	12.65	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.82	12.71	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.65	13.54	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.83	13.72	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.74	13.63	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#13	22.86	12.75	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#6	22.89	12.78	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#0	22.88	12.77	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.82	12.71	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#12	21.8	11.69	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#24	21.75	11.64	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#0	21.58	11.47	38.45	PASS
Band5	5MHz	64QAM	20425	12RB#13	20.64	10.53	38.45	PASS
Band5	5MHz	64QAM	20425	12RB#6	20.72	10.61	38.45	PASS
Band5	5MHz	64QAM	20425	12RB#0	20.74	10.63	38.45	PASS
Band5	5MHz	64QAM	20425	25RB#0	20.53	10.42	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#0	21.77	11.66	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#12	21.78	11.67	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#24	21.59	11.48	38.45	PASS
Band5	5MHz	64QAM	20525	12RB#13	20.75	10.64	38.45	PASS
Band5	5MHz	64QAM	20525	12RB#6	20.72	10.61	38.45	PASS

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Band5	5MHz	64QAM	20525	12RB#0	20.72	10.61	38.45	PASS
Band5	5MHz	64QAM	20525	25RB#0	20.53	10.42	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#24	21.81	11.7	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#12	21.71	11.6	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#0	21.76	11.65	38.45	PASS
Band5	5MHz	64QAM	20625	12RB#13	20.65	10.54	38.45	PASS
Band5	5MHz	64QAM	20625	12RB#6	20.78	10.67	38.45	PASS
Band5	5MHz	64QAM	20625	12RB#0	20.67	10.56	38.45	PASS
Band5	5MHz	64QAM	20625	25RB#0	20.71	10.6	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.73	12.62	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	23.15	13.04	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.81	12.7	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#0	22.02	11.91	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#13	21.81	11.7	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#6	21.85	11.74	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.76	11.65	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.88	12.77	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	23.29	13.18	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.75	12.64	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#6	22.04	11.93	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#0	21.85	11.74	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#13	21.74	11.63	38.45	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.91	11.8	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.53	12.42	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.65	12.54	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.96	12.85	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#0	22.11	12	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#6	21.86	11.75	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#13	21.77	11.66	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.78	11.67	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.79	13.68	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.96	13.85	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.77	13.66	38.45	PASS

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Band5	10MHz	QPSK	20450	25RB#12	22.84	12.73	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.97	12.86	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.87	12.76	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.96	12.85	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.82	13.71	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.95	13.84	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.66	13.55	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#25	23.07	12.96	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#0	23	12.89	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.93	12.82	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	23.02	12.91	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.72	13.61	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.74	13.63	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.79	13.68	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.95	12.84	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.84	12.73	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#25	23.03	12.92	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.89	12.78	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#0	21.9	11.79	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#24	21.89	11.78	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#49	21.71	11.6	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#0	20.79	10.68	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#25	20.83	10.72	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#12	20.85	10.74	38.45	PASS
Band5	10MHz	64QAM	20450	50RB#0	20.66	10.55	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#0	21.89	11.78	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#24	21.9	11.79	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#49	21.71	11.6	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#0	20.9	10.79	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#12	20.87	10.76	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#25	20.82	10.71	38.45	PASS
Band5	10MHz	64QAM	20525	50RB#0	20.63	10.52	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#49	21.92	11.81	38.45	PASS

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Band5	10MHz	64QAM	20600	1RB#0	21.86	11.75	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#24	21.86	11.75	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#0	20.75	10.64	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#25	20.88	10.77	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#12	20.79	10.68	38.45	PASS
Band5	10MHz	64QAM	20600	50RB#0	20.82	10.71	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.87	12.76	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	23.06	12.95	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	23.13	13.02	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#0	22.02	11.91	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#12	22	11.89	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.85	11.74	38.45	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.82	11.71	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.96	12.85	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	23.42	13.31	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	23.23	13.12	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#25	22.01	11.9	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#0	22	11.89	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#12	21.85	11.74	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.95	11.84	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.99	12.88	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	23.19	13.08	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.97	12.86	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#25	22.04	11.93	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#12	21.96	11.85	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#0	21.98	11.87	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.8	11.69	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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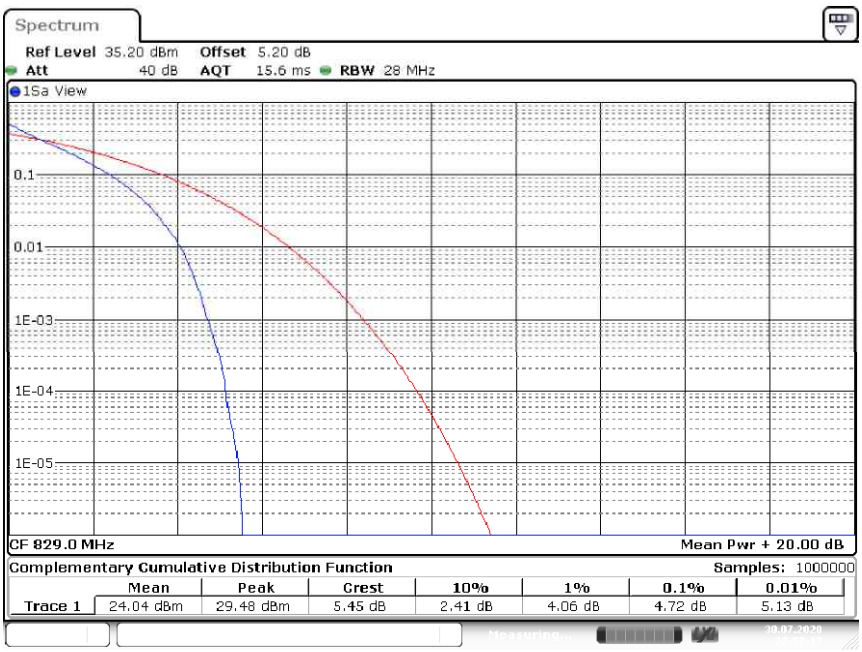
2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	10MHz	QPSK	20450	50RB#0	4.72	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	4.78	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	4.67	13	PASS
Band5	10MHz	64QAM	20450	50RB#0	5.91	13	PASS
Band5	10MHz	64QAM	20525	50RB#0	5.91	13	PASS
Band5	10MHz	64QAM	20600	50RB#0	5.80	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	5.57	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	5.51	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.45	13	PASS

2.2. Test Plots

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



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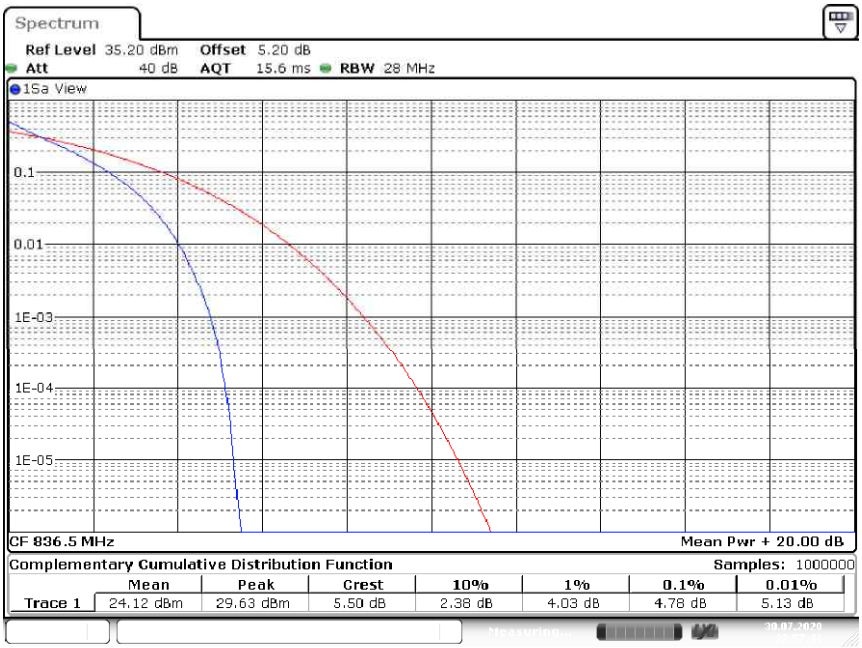
Band5-10MHz-QPSK-20525-50RB#0



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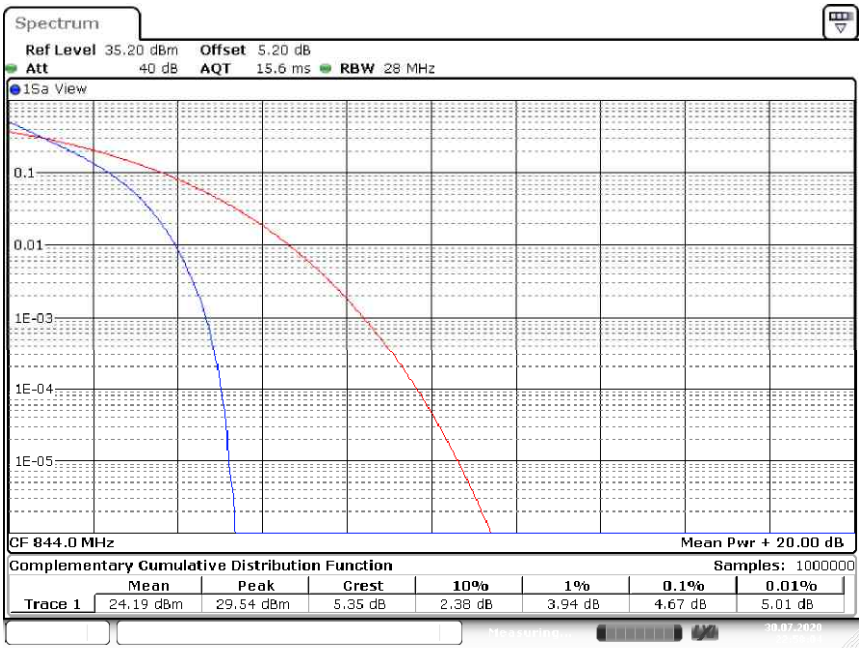
Band5-10MHz-QPSK-20600-50RB#0



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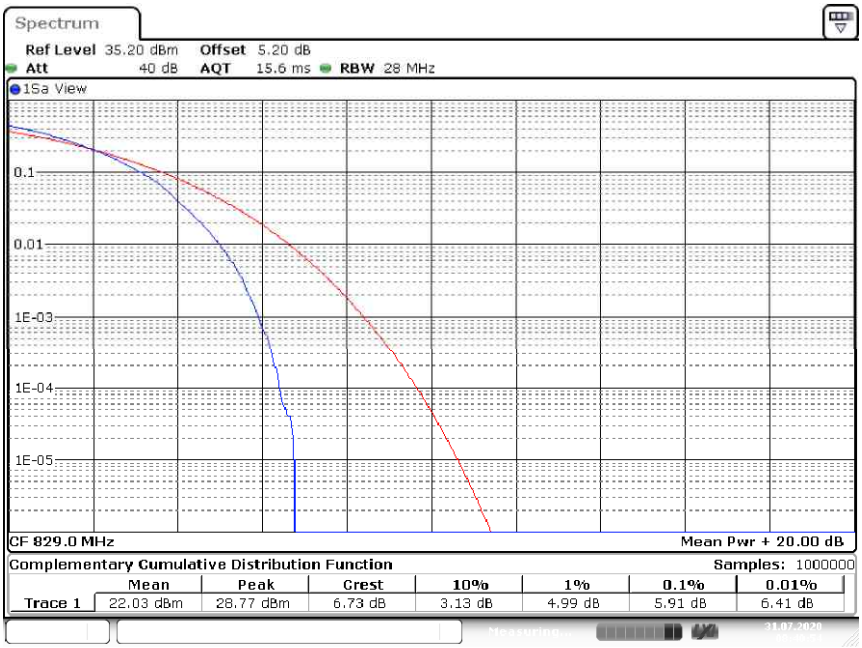
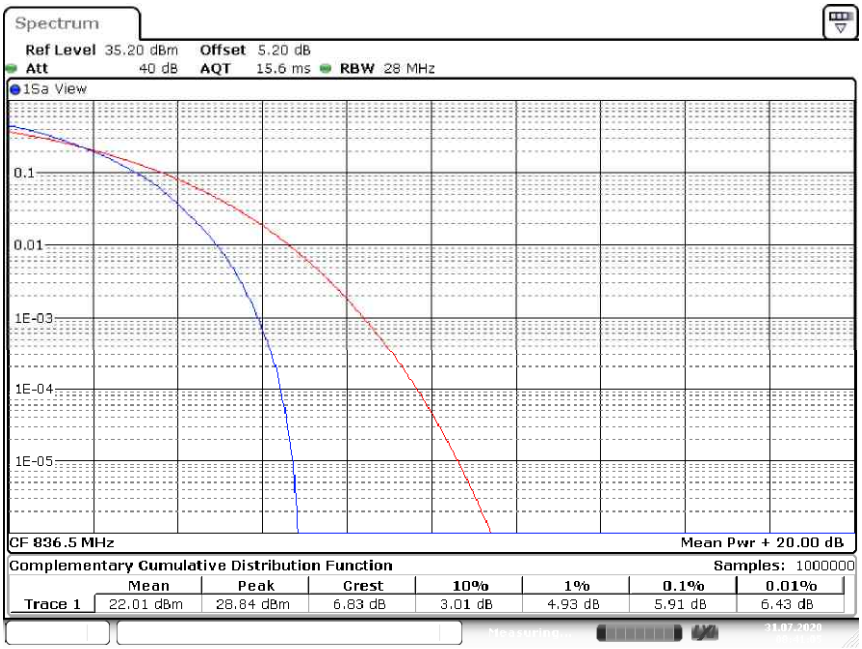


Date: 31.JUL.2020 08:40:54

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



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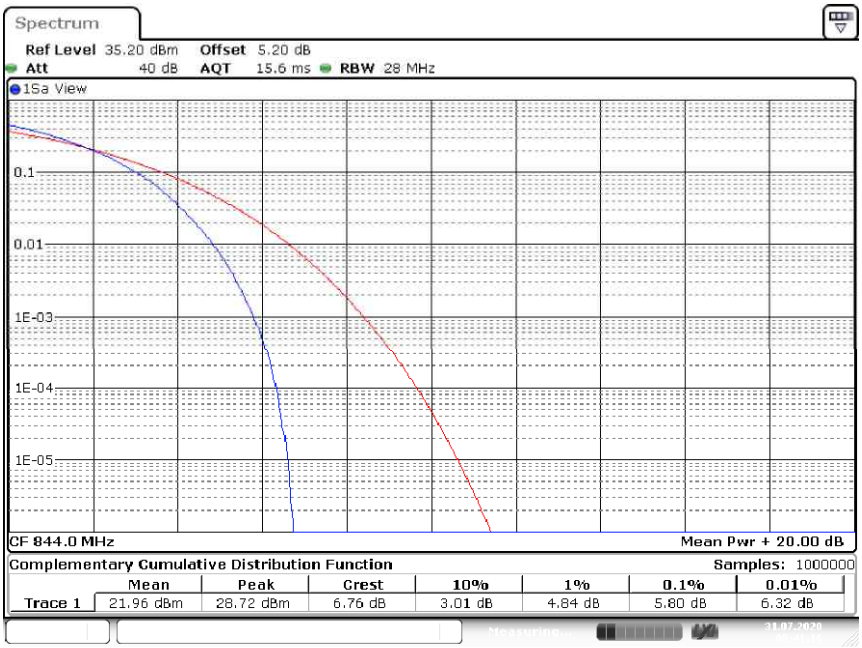
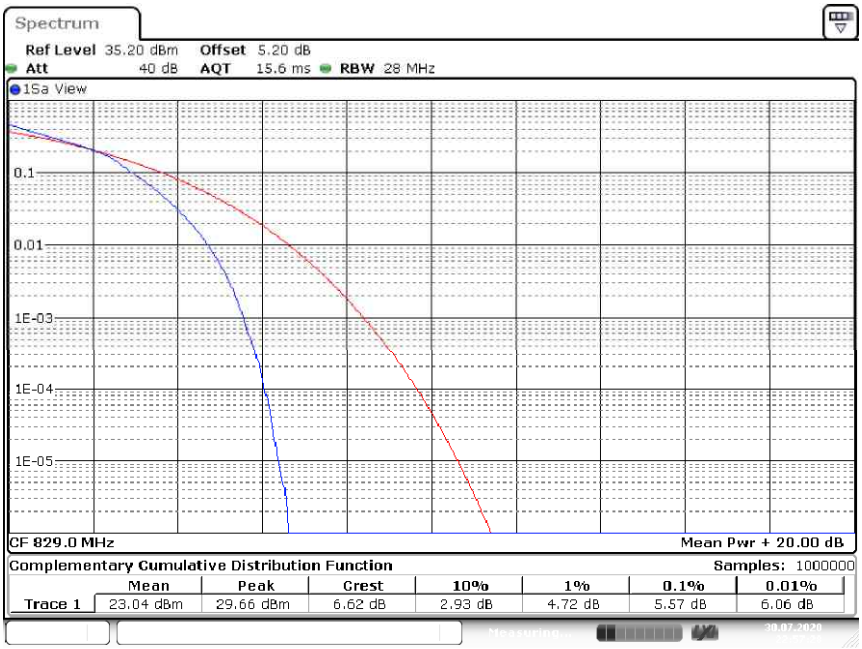


Date: 31.JUL.2020 08:41:17

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



Date: 30.JUL.2020 22:57:29

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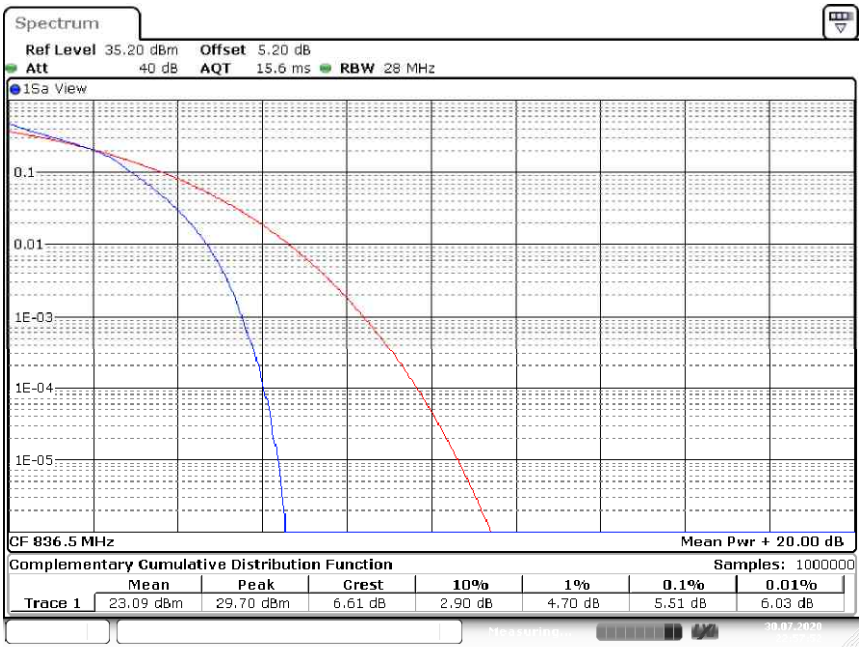
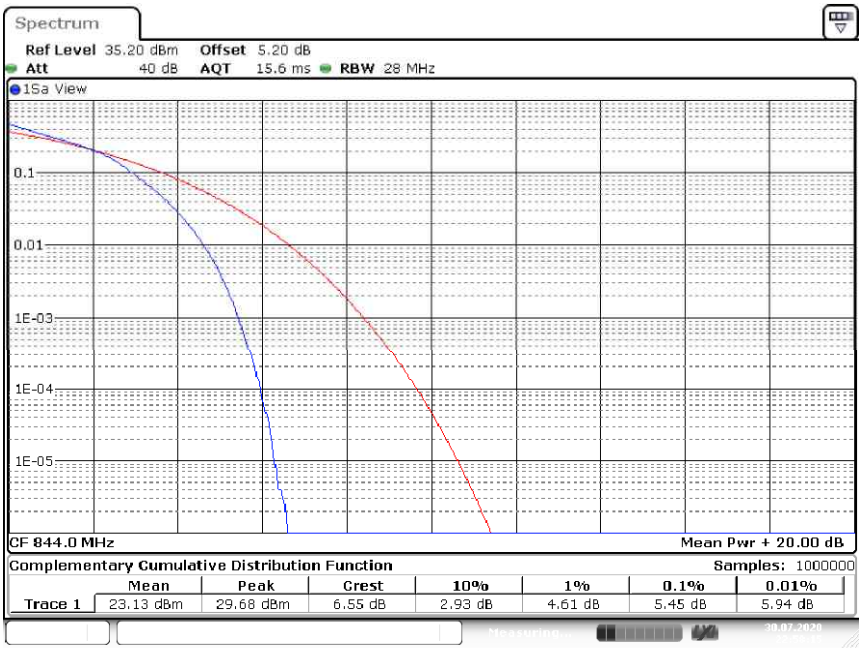
Band5-10MHz-16QAM-20525-50RB#0



Date: 30.JUL.2020 22:57:52

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



Date: 30.JUL.2020 22:58:15

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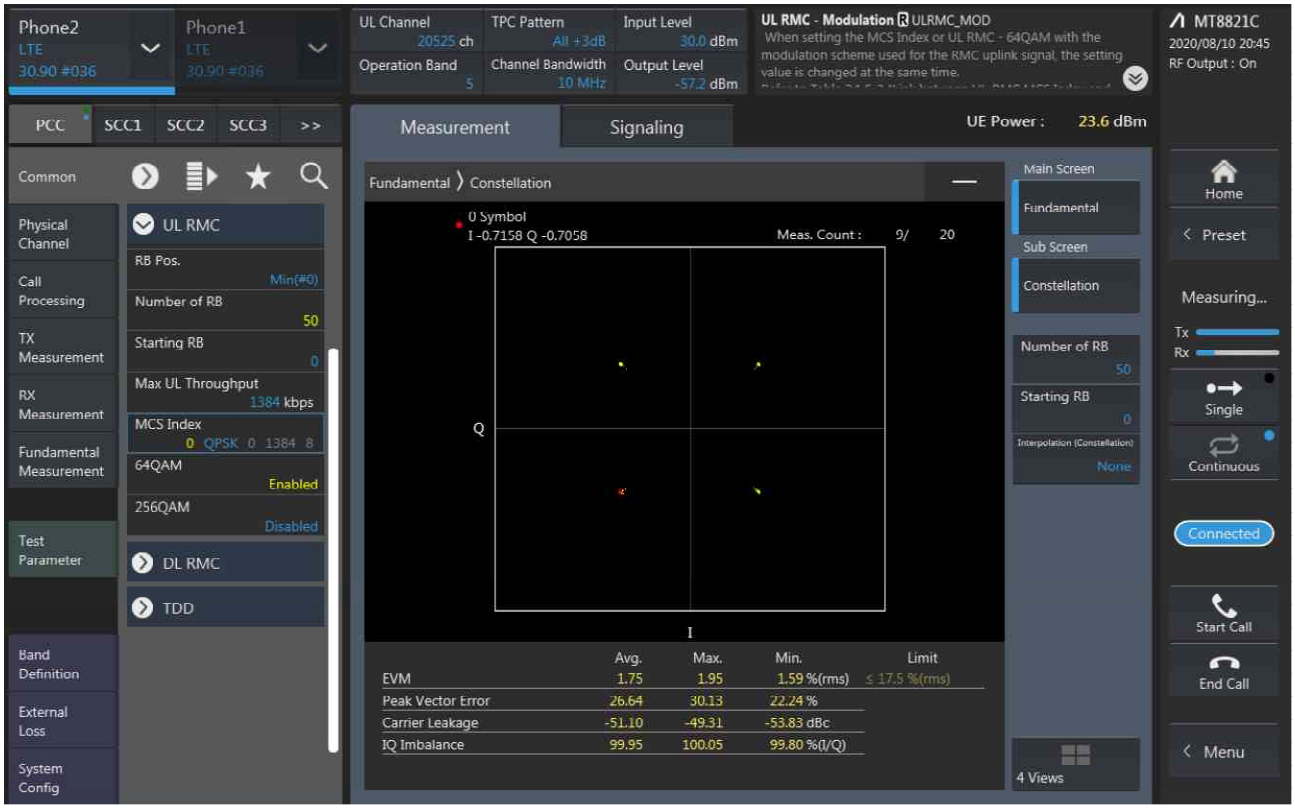
3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 10MHz

3.1.1.Test Channel = MCH



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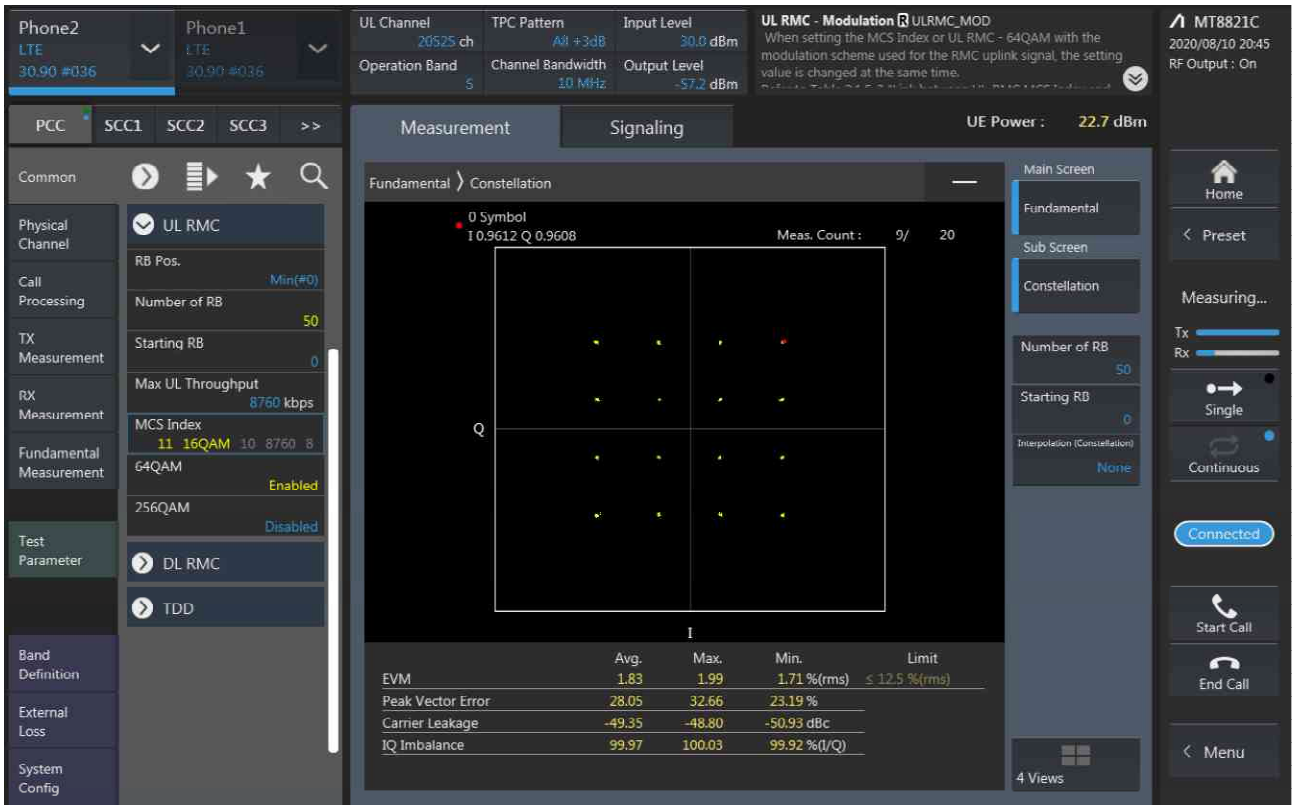
3.2. Test Mode = LTE /TM2 10MHz

3.2.1.Test Channel = MCH



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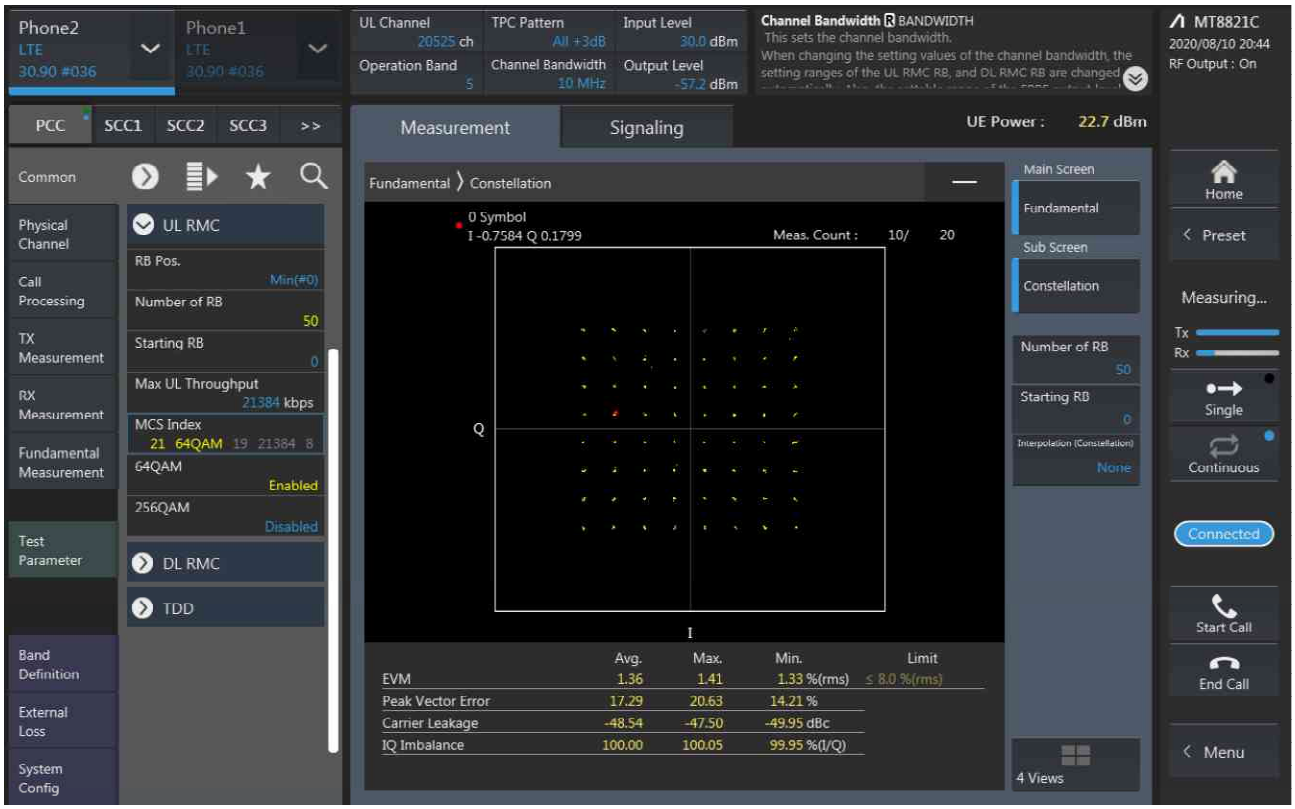
3.3. Test Mode = LTE /TM3 10MHz

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	1.091	1.296	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.091	1.299	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.091	1.296	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	1.094	1.287	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	1.094	1.284	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	1.094	1.287	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.088	1.293	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.091	1.287	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.091	1.293	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.691	2.940	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.691	2.922	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.691	2.934	PASS
Band5	3MHz	64QAM	20415	15RB#0	2.685	2.898	PASS
Band5	3MHz	64QAM	20525	15RB#0	2.685	2.910	PASS
Band5	3MHz	64QAM	20635	15RB#0	2.685	2.916	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.673	2.904	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.679	2.910	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.679	2.904	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.476	4.840	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.476	4.840	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.476	4.820	PASS
Band5	5MHz	64QAM	20425	25RB#0	4.476	4.870	PASS
Band5	5MHz	64QAM	20525	25RB#0	4.476	4.810	PASS
Band5	5MHz	64QAM	20625	25RB#0	4.476	4.810	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.466	4.840	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.486	4.850	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.476	4.870	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.951	9.620	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.931	9.640	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.951	9.640	PASS
Band5	10MHz	64QAM	20450	50RB#0	8.931	9.600	PASS

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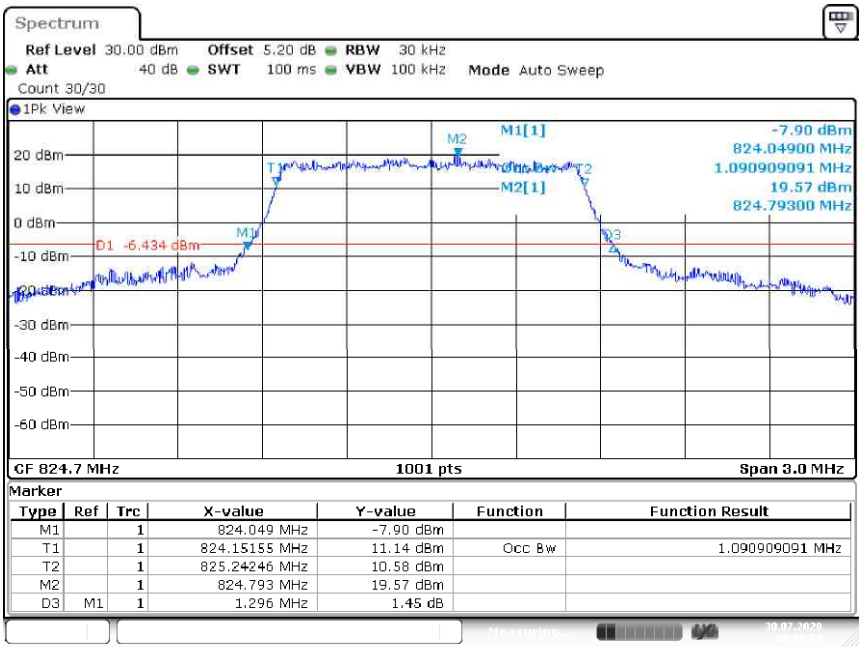
Band5	10MHz	64QAM	20525	50RB#0	8.931	9.600	PASS
Band5	10MHz	64QAM	20600	50RB#0	8.931	9.580	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.931	9.640	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.911	9.640	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.931	9.620	PASS

4.2. Test Plots

Band5-1.4MHz-QPSK-20407-6RB#0-1.091



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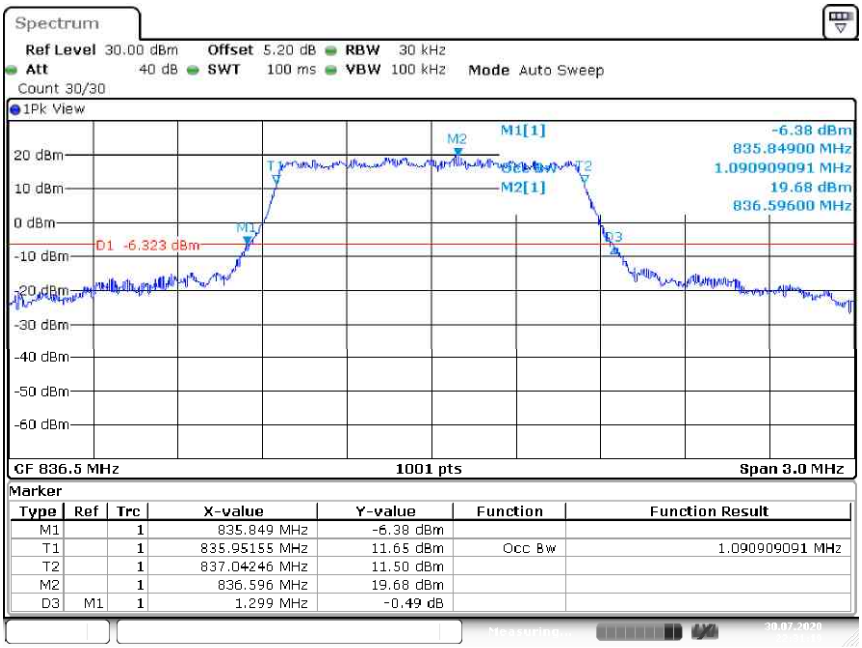
Band5-1.4MHz-QPSK-20525-6RB#0-1.091



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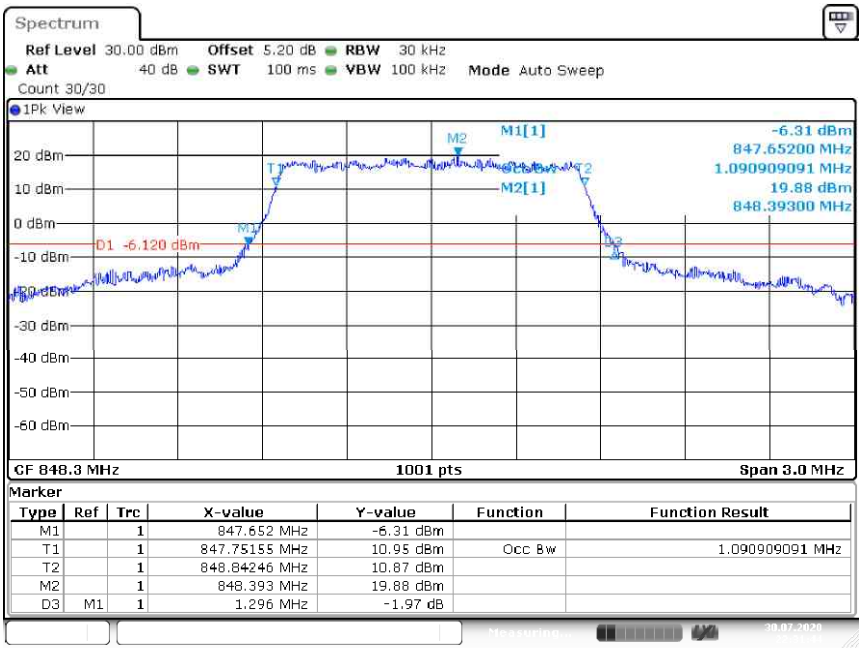
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	835.849 MHz	-6.38 dBm		
T1		1	835.95155 MHz	11.65 dBm	Occ Bw	1.090909091 MHz
T2		1	837.04246 MHz	11.50 dBm		
M2		1	836.596 MHz	19.68 dBm		
D3	M1	1	1.299 MHz	-0.49 dB		

Date: 30.JUL.2020 22:31:19

Band5-1.4MHz-QPSK-20643-6RB#0-1.091



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	847.652 MHz	-6.31 dBm		
T1		1	847.75155 MHz	10.95 dBm	Occ Bw	1.090909091 MHz
T2		1	848.84246 MHz	10.87 dBm		
M2		1	848.393 MHz	19.88 dBm		
D3	M1	1	1.296 MHz	-1.97 dB		

Date: 30.JUL.2020 22:31:45

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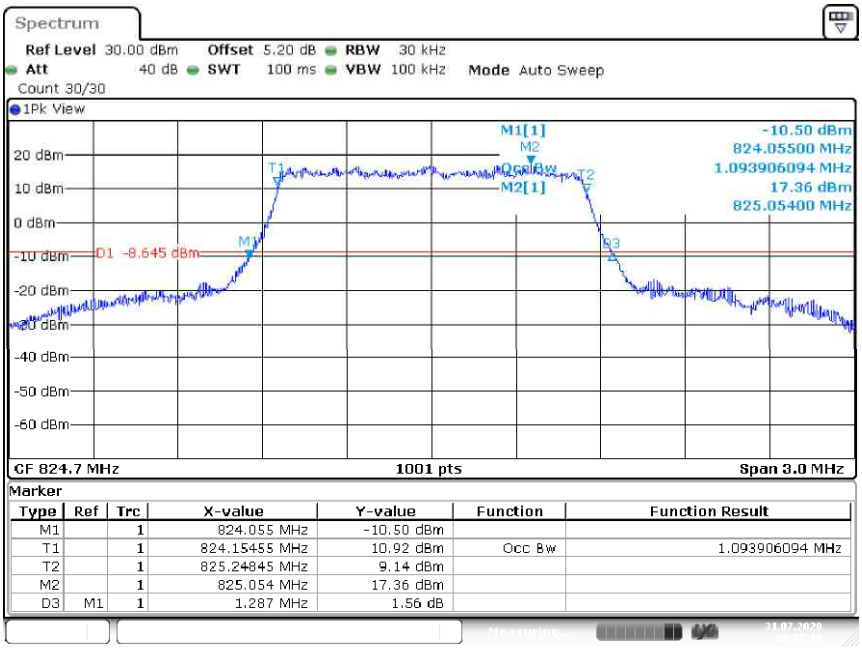
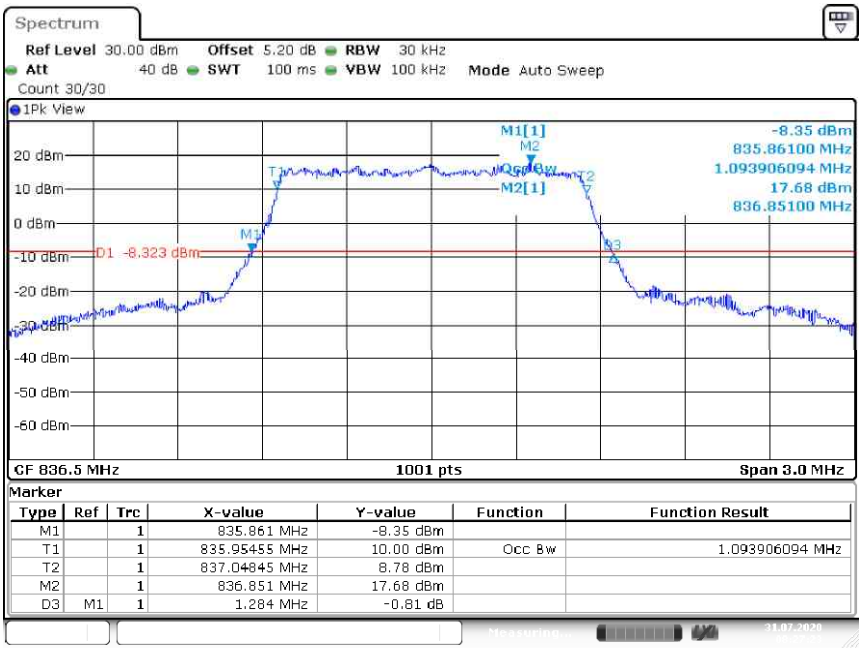
Band5-1.4MHz-64QAM-20407-6RB#0-1.094



Date: 31.JUL.2020 08:27:10

Band5-1.4MHz-64QAM-20525-6RB#0-1.094



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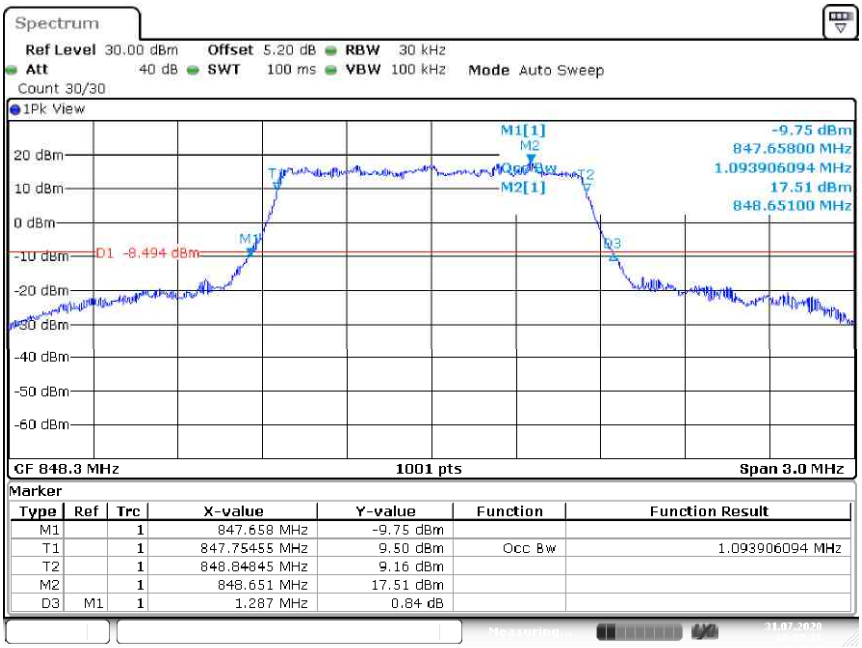
Band5-1.4MHz-64QAM-20643-6RB#0-1.094



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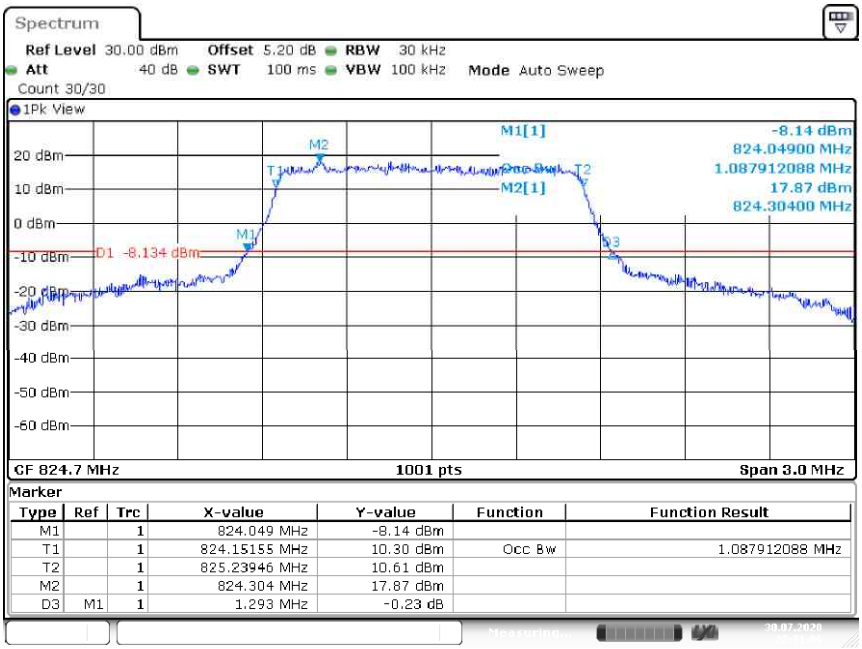
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	847.658 MHz	-9.75 dBm		
T1		1	847.75455 MHz	9.50 dBm	Occ Bw	1.093906094 MHz
T2		1	848.84845 MHz	9.16 dBm		
M2		1	848.651 MHz	17.51 dBm		
D3	M1	1	1.287 MHz	0.84 dB		

Date: 31.JUL.2020 08:27:36

Band5-1.4MHz-16QAM-20407-6RB#0-1.088



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	824.049 MHz	-8.14 dBm		
T1		1	824.15155 MHz	10.30 dBm	Occ Bw	1.087912088 MHz
T2		1	825.23946 MHz	10.61 dBm		
M2		1	824.304 MHz	17.87 dBm		
D3	M1	1	1.293 MHz	-0.23 dB		

Date: 30.JUL.2020 22:31:06

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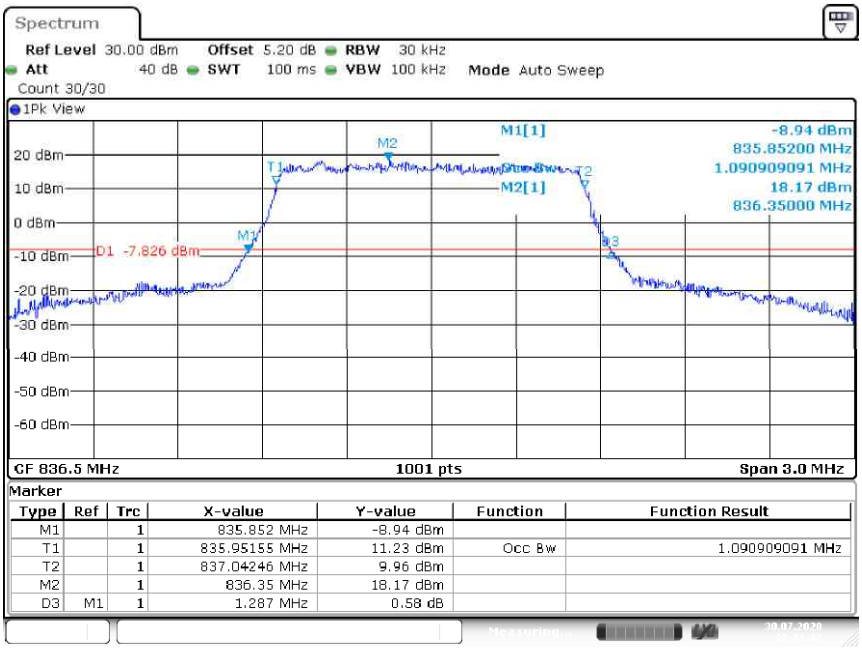
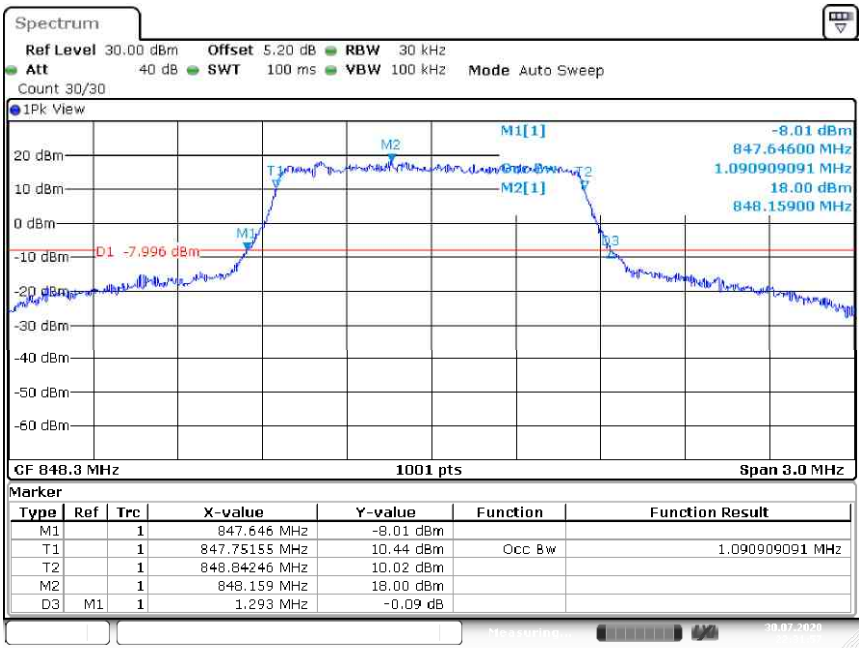
Band5-1.4MHz-16QAM-20525-6RB#0-1.091



Date: 30.JUL.2020 22:31:32

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



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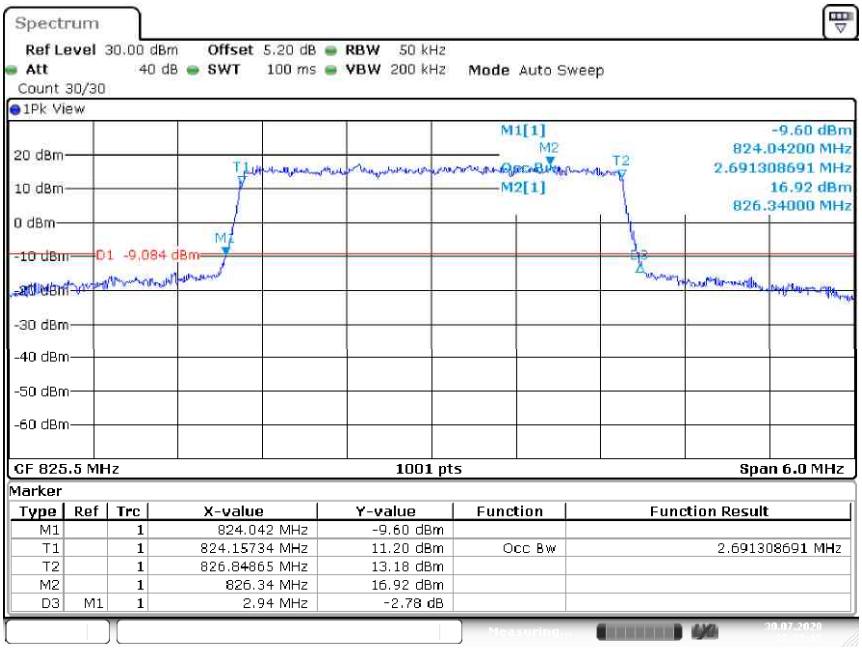
Band5-3MHz-QPSK-20415-15RB#0-2.691



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	824.042 MHz	-9.60 dBm		
T1		1	824.15734 MHz	11.20 dBm	Occ Bw	2.691308691 MHz
T2		1	826.84865 MHz	13.18 dBm		
M2		1	826.34 MHz	16.92 dBm		
D3	M1	1	2.94 MHz	-2.78 dB		

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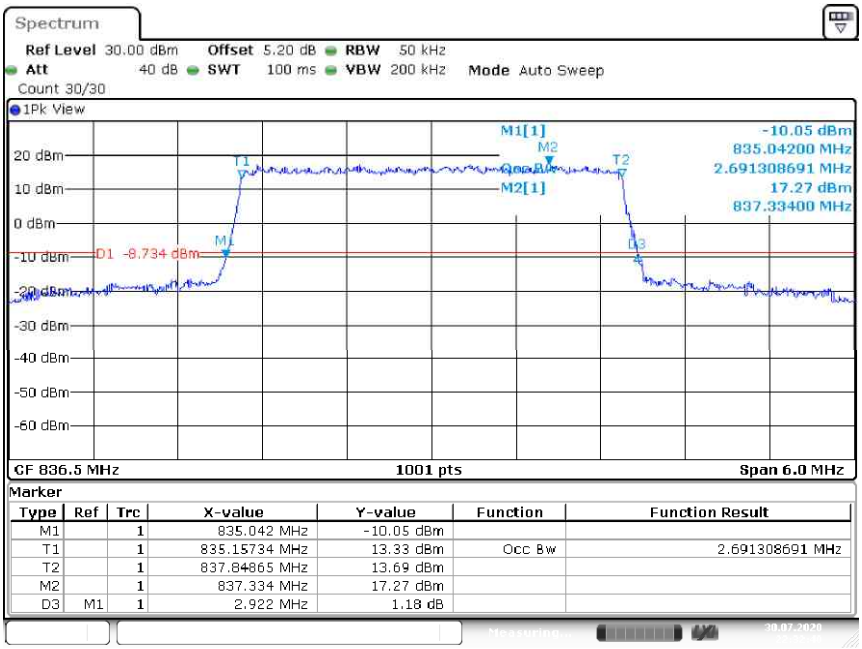
Band5-3MHz-QPSK-20525-15RB#0-2.691



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	835.042 MHz	-10.05 dBm		
T1		1	835.15734 MHz	13.33 dBm	Occ Bw	2.691308691 MHz
T2		1	837.84865 MHz	13.69 dBm		
M2		1	837.334 MHz	17.27 dBm		
D3	M1	1	2.922 MHz	1.18 dB		

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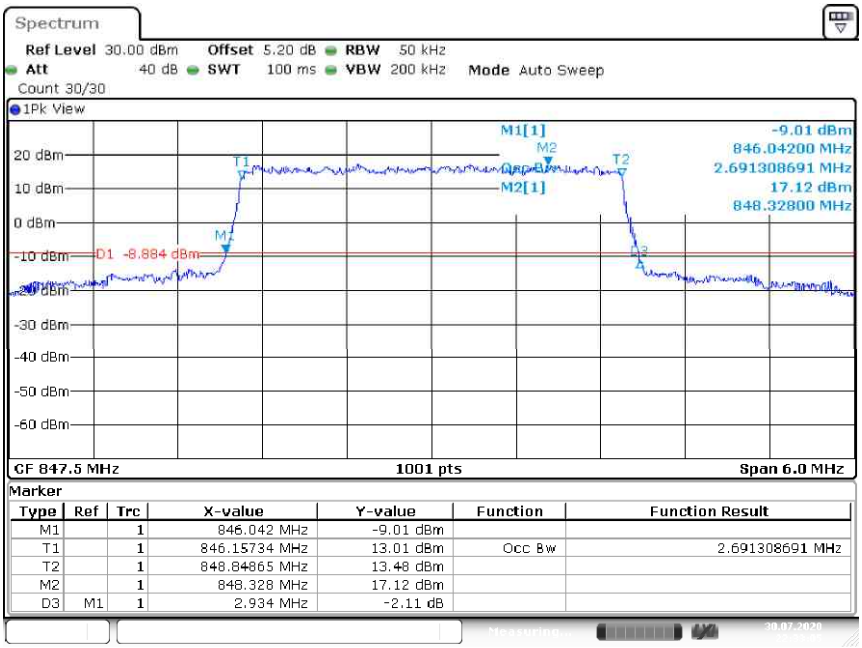
Band5-3MHz-QPSK-20635-15RB#0-2.691



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	846.042 MHz	-9.01 dBm		
T1		1	846.15734 MHz	13.01 dBm	Occ Bw	2.691308691 MHz
T2		1	848.84865 MHz	13.48 dBm		
M2		1	848.328 MHz	17.12 dBm		
D3	M1	1	2.934 MHz	-2.11 dB		

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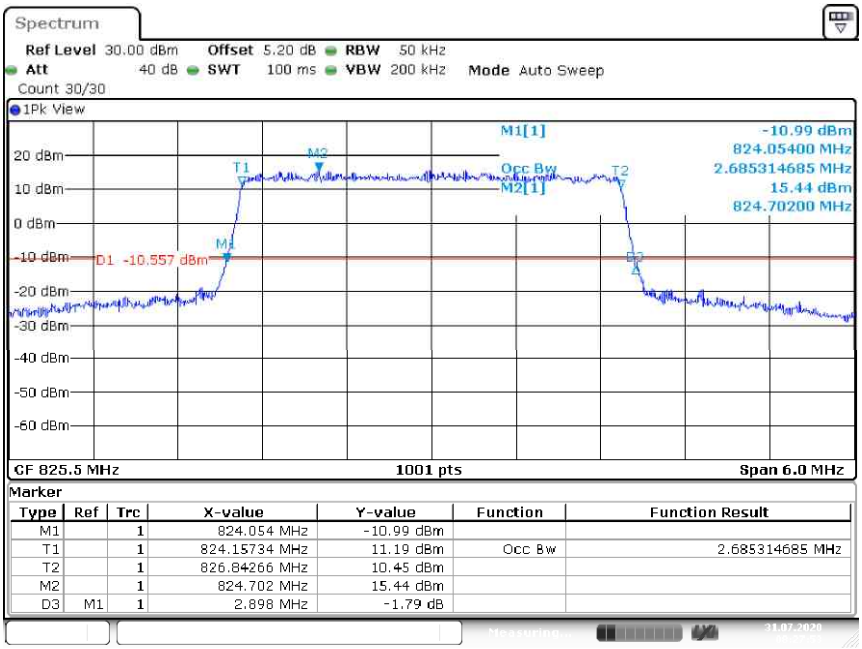
Band5-3MHz-64QAM-20415-15RB#0-2.685



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	824.054 MHz	-10.99 dBm		
T1		1	824.15734 MHz	11.19 dBm	Occ Bw	2.685314685 MHz
T2		1	826.84266 MHz	10.45 dBm		
M2		1	824.702 MHz	15.44 dBm		
D3	M1	1	2.898 MHz	-1.79 dB		

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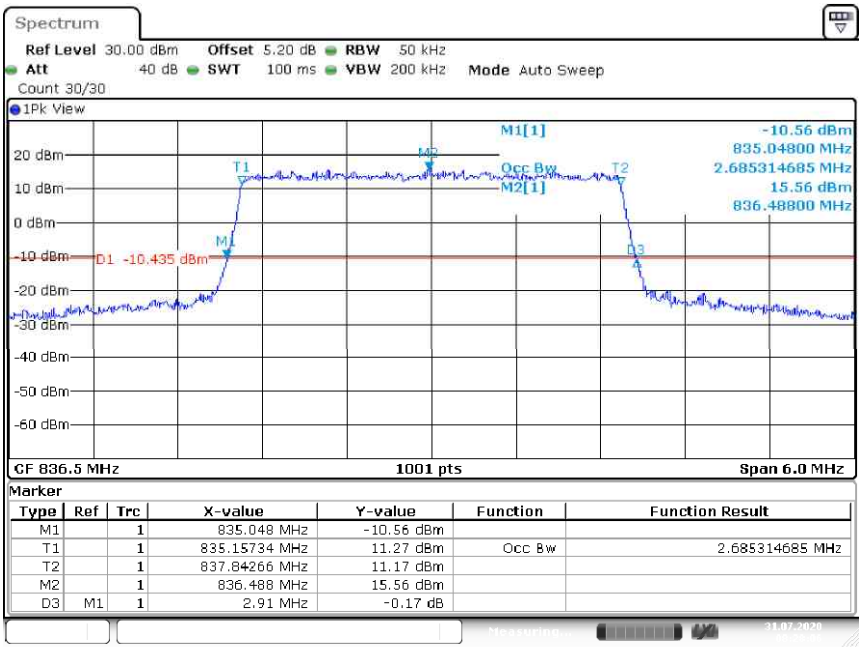
Band5-3MHz-64QAM-20525-15RB#0-2.685



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	835.048 MHz	-10.56 dBm		
T1		1	835.15734 MHz	11.27 dBm	Occ Bw	2.685314685 MHz
T2		1	837.84266 MHz	11.17 dBm		
M2		1	836.488 MHz	15.56 dBm		
D3	M1	1	2.91 MHz	-0.17 dB		

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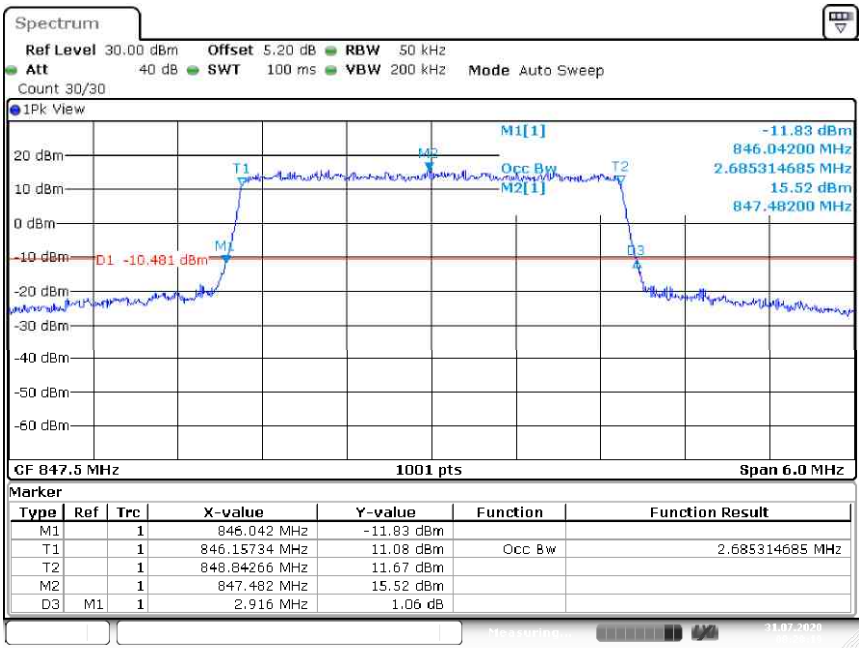
Band5-3MHz-64QAM-20635-15RB#0-2.685



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	846.042 MHz	-11.83 dBm		
T1		1	846.15734 MHz	11.08 dBm	Occ Bw	2.685314685 MHz
T2		1	848.84266 MHz	11.67 dBm		
M2		1	847.482 MHz	15.52 dBm		
D3	M1	1	2.916 MHz	1.06 dB		

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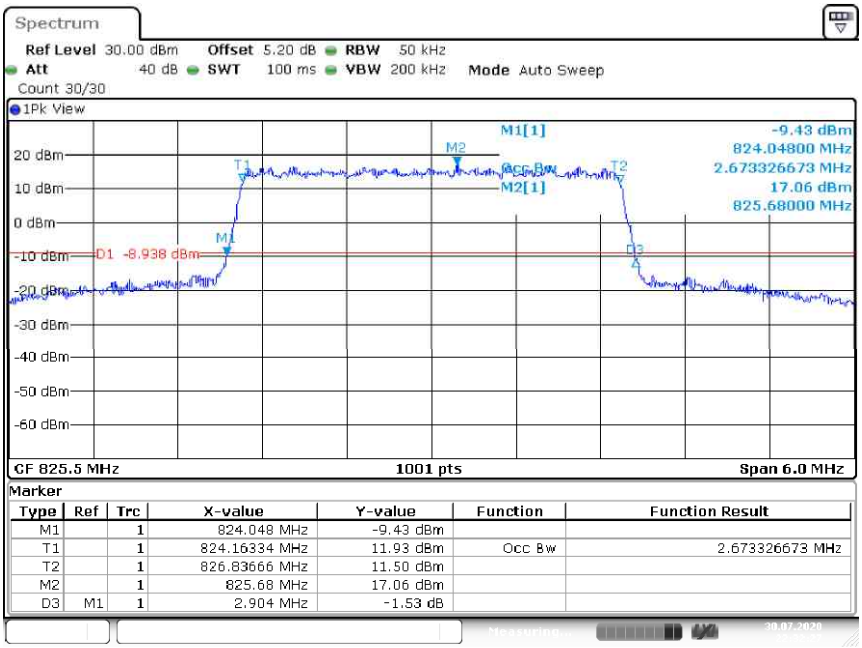
Band5-3MHz-16QAM-20415-15RB#0-2.673



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	824.048 MHz	-9.43 dBm		
T1		1	824.16334 MHz	11.93 dBm	Occ Bw	2.673326673 MHz
T2		1	826.83666 MHz	11.50 dBm		
M2		1	825.68 MHz	17.06 dBm		
D3	M1	1	2.904 MHz	-1.53 dB		

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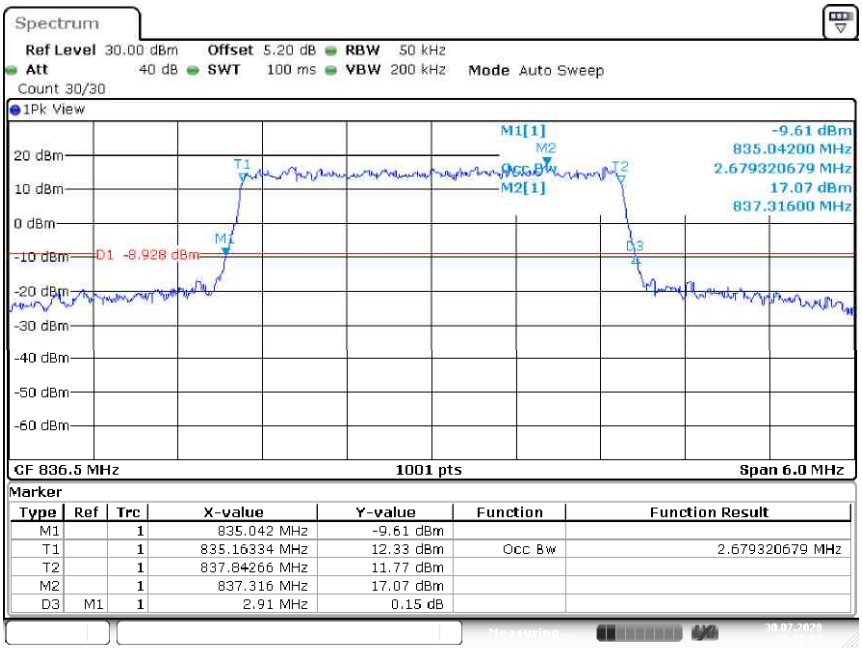
Band5-3MHz-16QAM-20525-15RB#0-2.679



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	835.042 MHz	-9.61 dBm		
T1		1	835.16334 MHz	12.33 dBm	Occ Bw	2.679320679 MHz
T2		1	837.84266 MHz	11.77 dBm		
M2		1	837.316 MHz	17.07 dBm		
D3	M1	1	2.91 MHz	0.15 dB		

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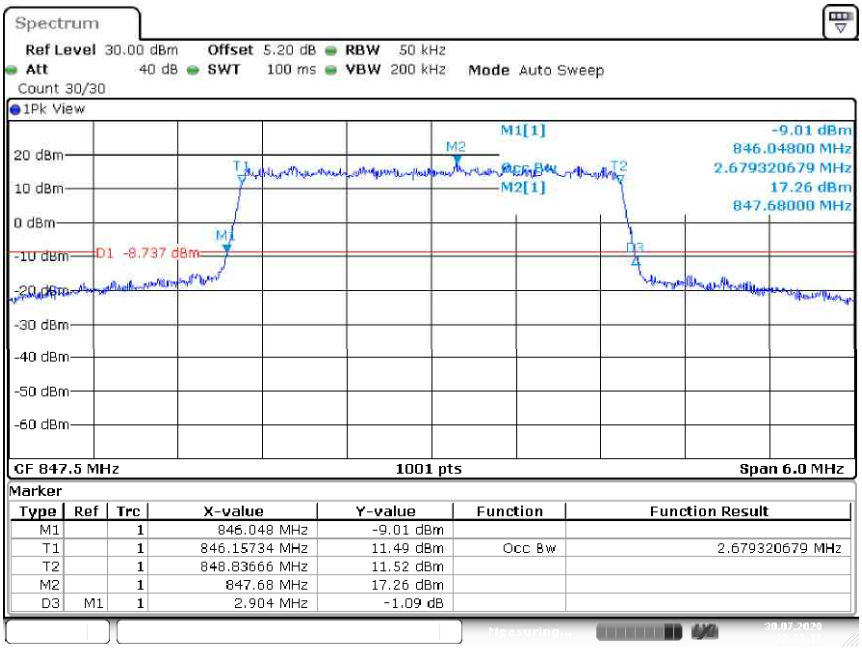
Band5-3MHz-16QAM-20635-15RB#0-2.679



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	846.048 MHz	-9.01 dBm		
T1		1	846.15734 MHz	11.49 dBm	Occ Bw	2.679320679 MHz
T2		1	848.83666 MHz	11.52 dBm		
M2		1	847.68 MHz	17.26 dBm		
D3	M1	1	2.904 MHz	-1.09 dB		

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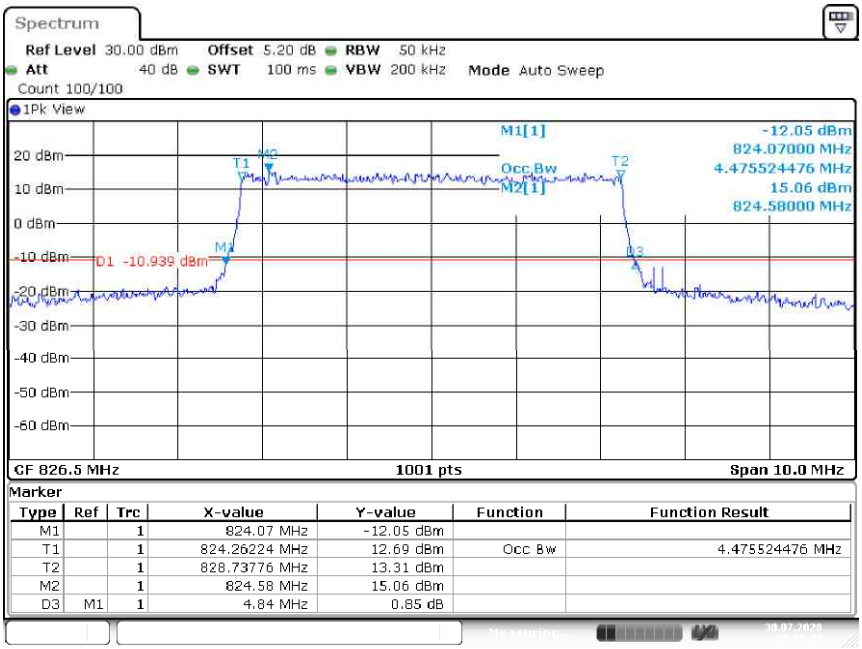
Band5-5MHz-QPSK-20425-25RB#0-4.476



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	824.07 MHz	-12.05 dBm		
T1		1	824.26224 MHz	12.69 dBm	Occ Bw	4.475524476 MHz
T2		1	828.73776 MHz	13.31 dBm		
M2		1	824.58 MHz	15.06 dBm		
D3	M1	1	4.84 MHz	0.85 dB		

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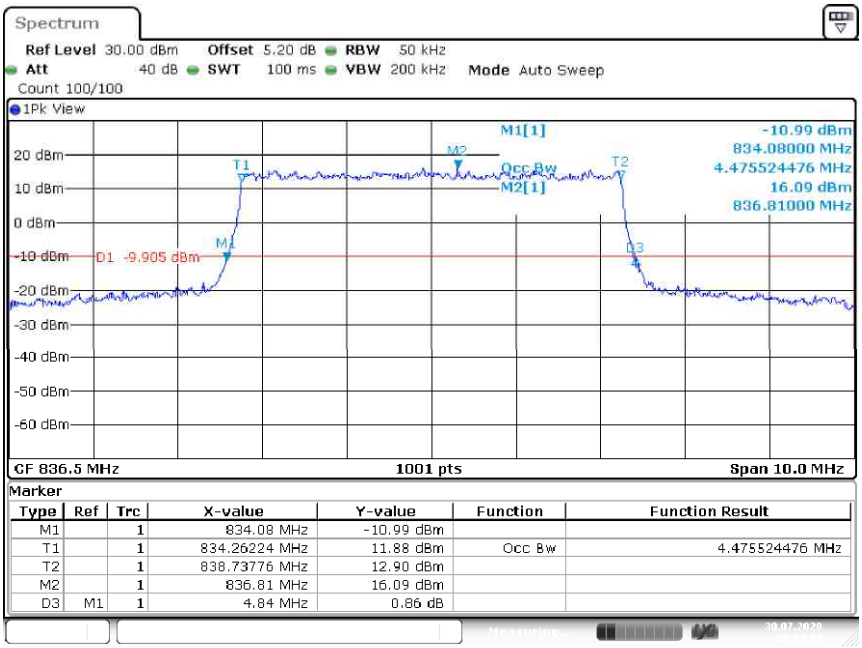

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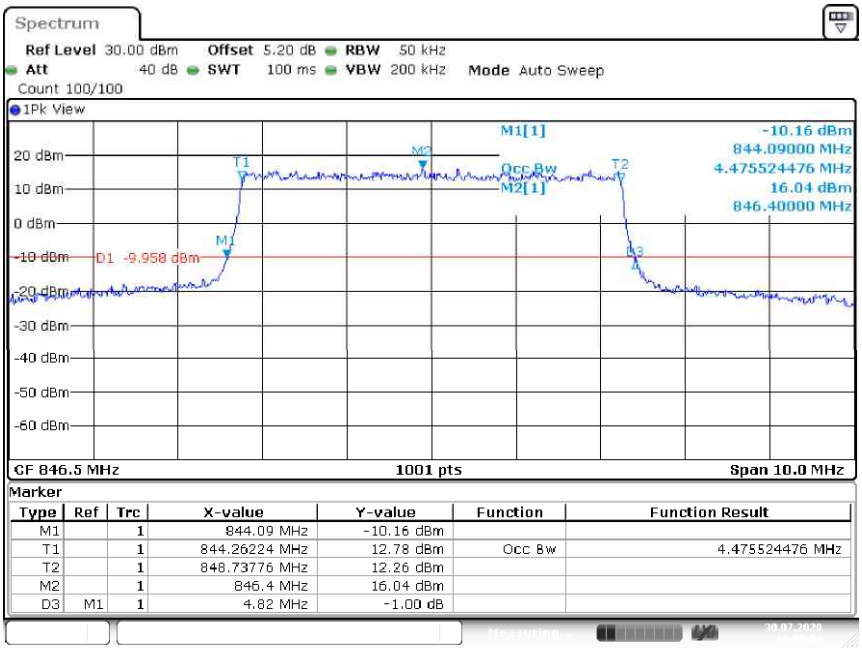
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	834.08 MHz	-10.99 dBm		
T1		1	834.26224 MHz	11.88 dBm	Occ Bw	4.475524476 MHz
T2		1	838.73776 MHz	12.90 dBm		
M2		1	836.81 MHz	16.09 dBm		
D3	M1	1	4.84 MHz	0.86 dB		

Date: 30.JUL.2020 22:34:23

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



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	844.09 MHz	-10.16 dBm		
T1		1	844.26224 MHz	12.78 dBm	Occ Bw	4.475524476 MHz
T2		1	848.73776 MHz	12.26 dBm		
M2		1	846.4 MHz	16.04 dBm		
D3	M1	1	4.82 MHz	-1.00 dB		

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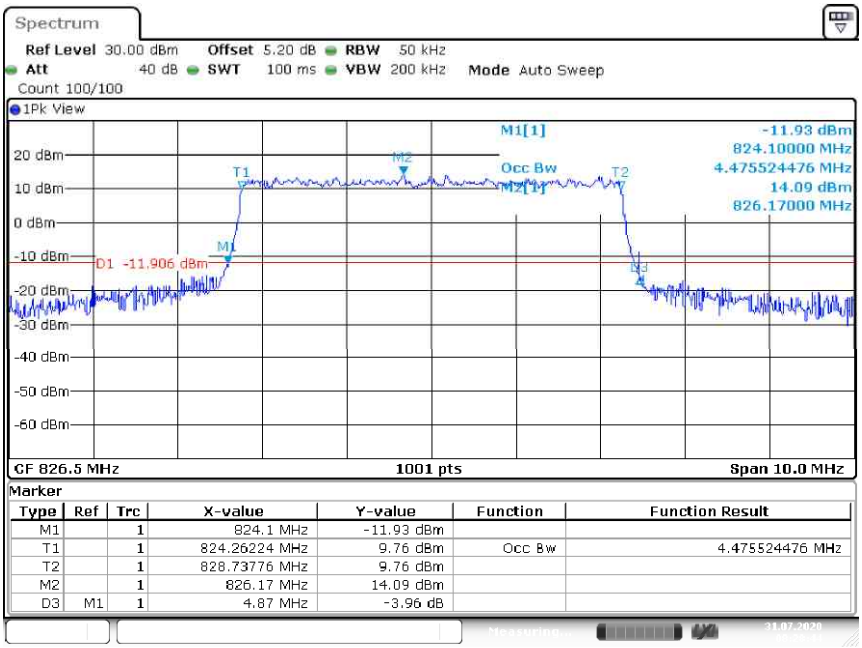
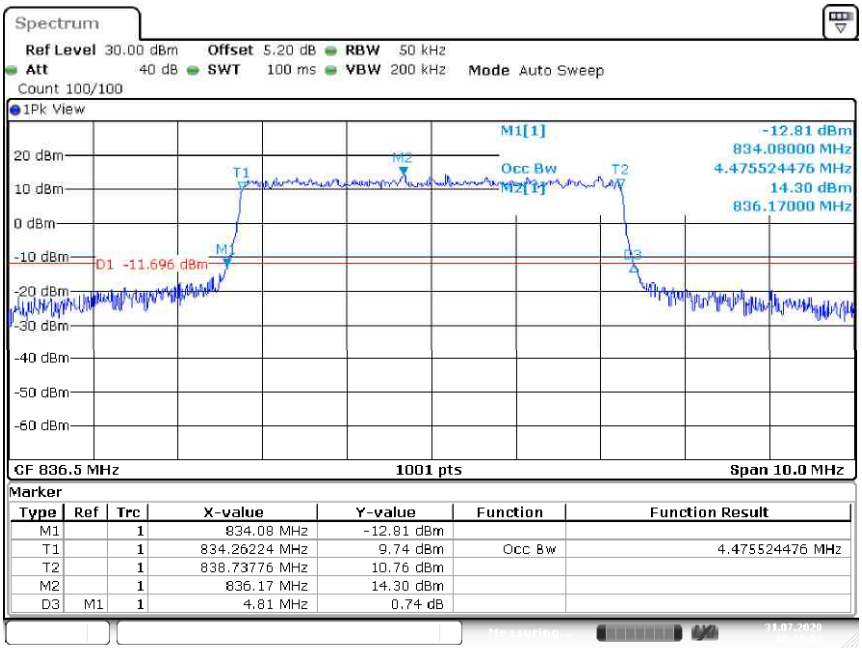


Band5-5MHz-64QAM-20525-25RB#0-4.476



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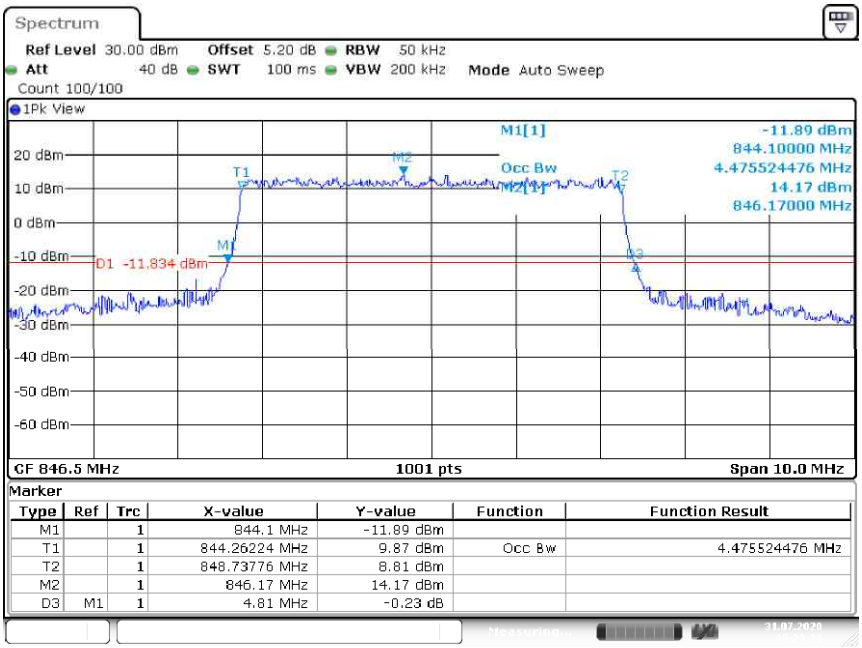
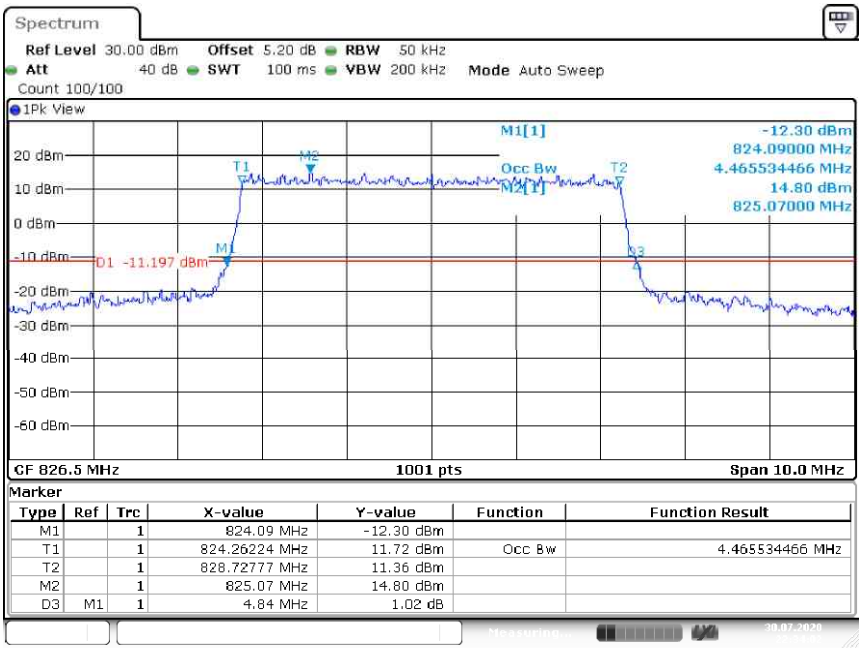
Band5-5MHz-64QAM-20625-25RB#0-4.476



Date: 31.JUL.2020 08:29:24

Band5-5MHz-16QAM-20425-25RB#0-4.466



Date: 30.JUL.2020 22:34:03

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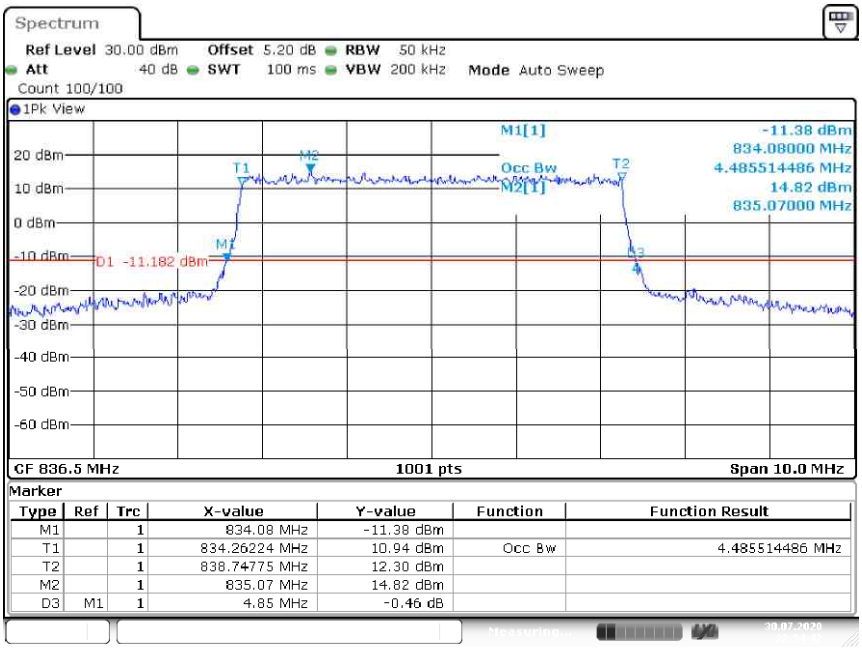
Band5-5MHz-16QAM-20525-25RB#0-4.486

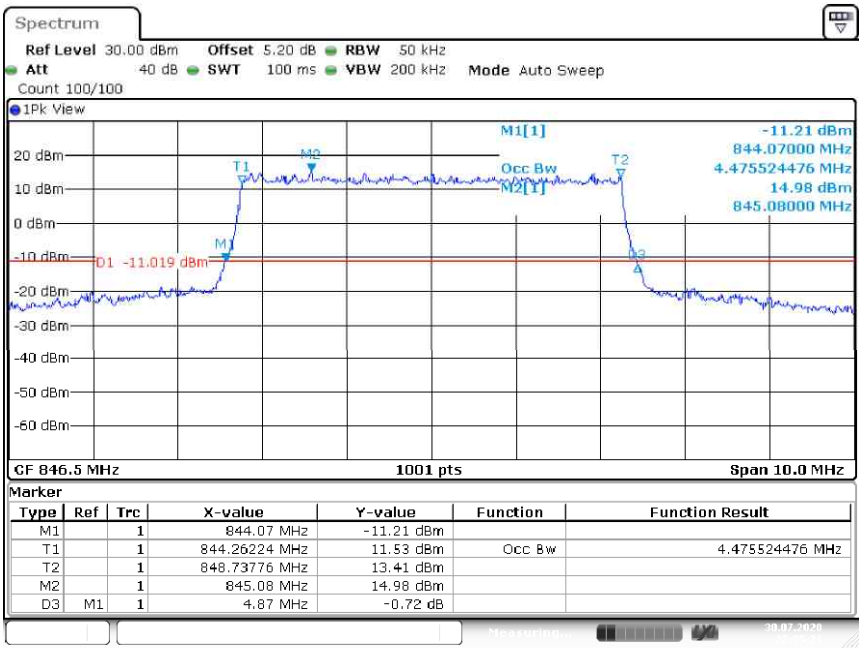


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	834.08 MHz	-11.38 dBm		
T1		1	834.26224 MHz	10.94 dBm	Occ Bw	4.485514486 MHz
T2		1	838.74775 MHz	12.30 dBm		
M2		1	835.07 MHz	14.82 dBm		
D3	M1	1	4.85 MHz	-0.46 dB		

Date: 30.JUL.2020 22:34:42

Band5-5MHz-16QAM-20625-25RB#0-4.476



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	844.07 MHz	-11.21 dBm		
T1		1	844.26224 MHz	11.53 dBm	Occ Bw	4.475524476 MHz
T2		1	848.73776 MHz	13.41 dBm		
M2		1	845.08 MHz	14.98 dBm		
D3	M1	1	4.87 MHz	-0.72 dB		

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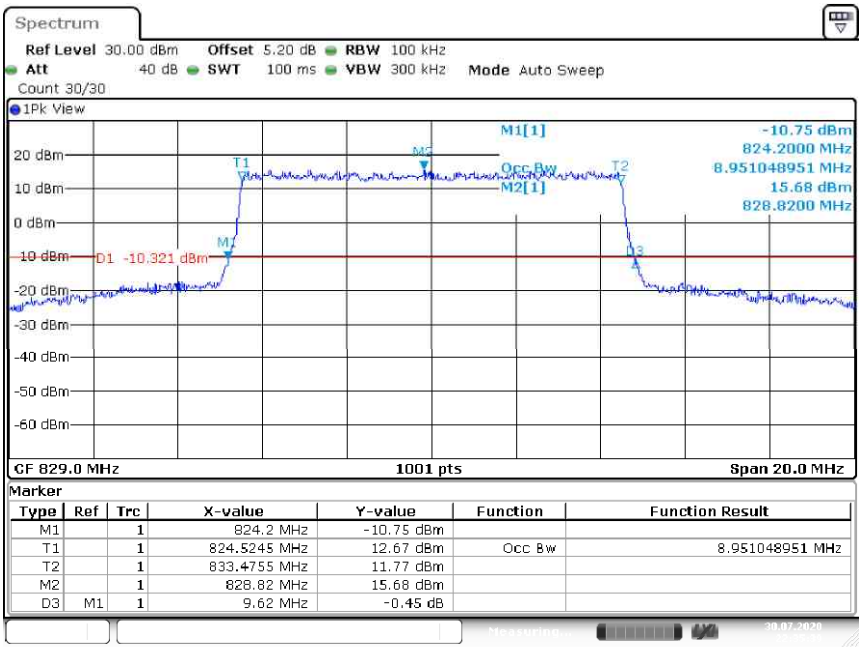
Band5-10MHz-QPSK-20450-50RB#0-8.951

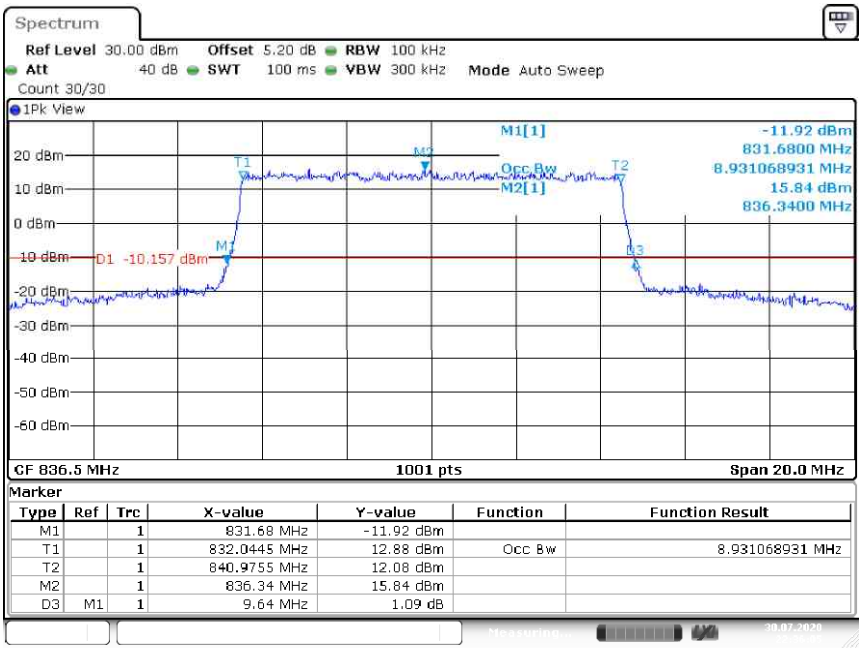


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	824.2 MHz	-10.75 dBm		
T1		1	824.5245 MHz	12.67 dBm	Occ Bw	8.951048951 MHz
T2		1	833.4755 MHz	11.77 dBm		
M2		1	828.82 MHz	15.68 dBm		
D3	M1	1	9.62 MHz	-0.45 dB		

Date: 30.JUL.2020 22:35:39

Band5-10MHz-QPSK-20525-50RB#0-8.931



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	831.68 MHz	-11.92 dBm		
T1		1	832.0445 MHz	12.88 dBm	Occ Bw	8.931068931 MHz
T2		1	840.9755 MHz	12.08 dBm		
M2		1	836.34 MHz	15.84 dBm		
D3	M1	1	9.64 MHz	1.09 dB		

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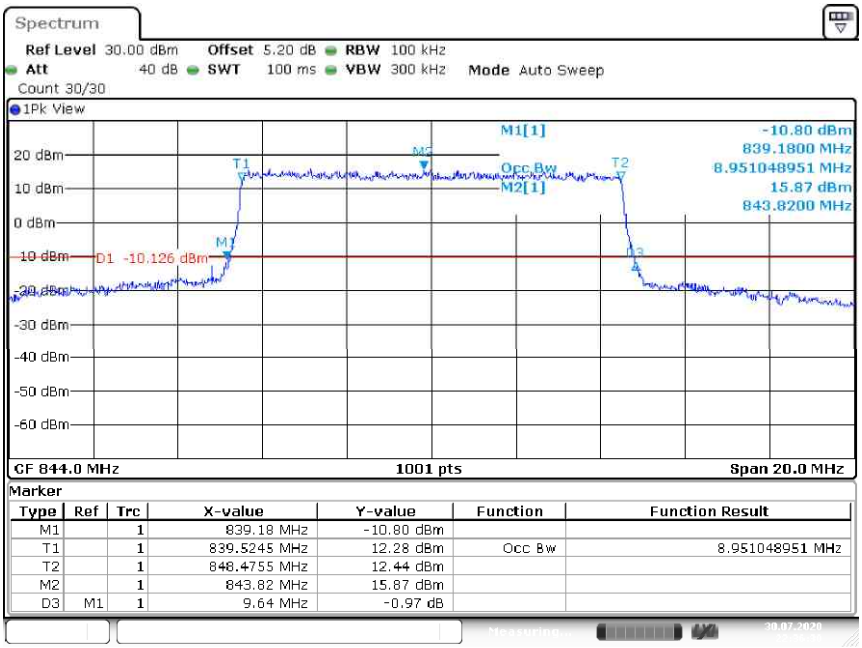
Band5-10MHz-QPSK-20600-50RB#0-8.951

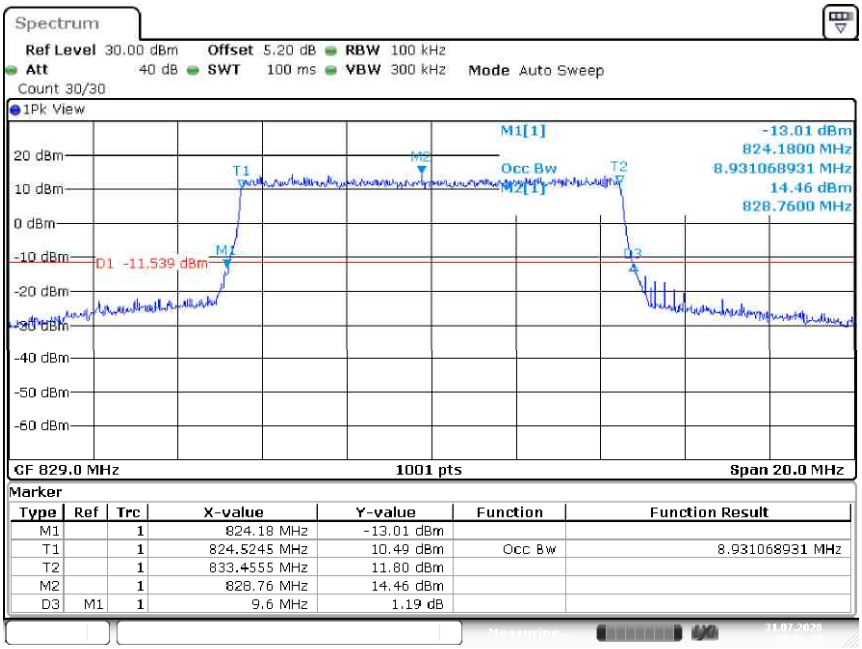


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	839.18 MHz	-10.80 dBm		
T1		1	839.5245 MHz	12.28 dBm	Occ Bw	8.951048951 MHz
T2		1	848.4755 MHz	12.44 dBm		
M2		1	843.82 MHz	15.87 dBm		
D3	M1	1	9.64 MHz	-0.97 dB		

Date: 30.JUL.2020 22:36:30

Band5-10MHz-64QAM-20450-50RB#0-8.931



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	824.18 MHz	-13.01 dBm		
T1		1	824.5245 MHz	10.49 dBm	Occ Bw	8.931068931 MHz
T2		1	833.4555 MHz	11.80 dBm		
M2		1	828.76 MHz	14.46 dBm		
D3	M1	1	9.6 MHz	1.19 dB		

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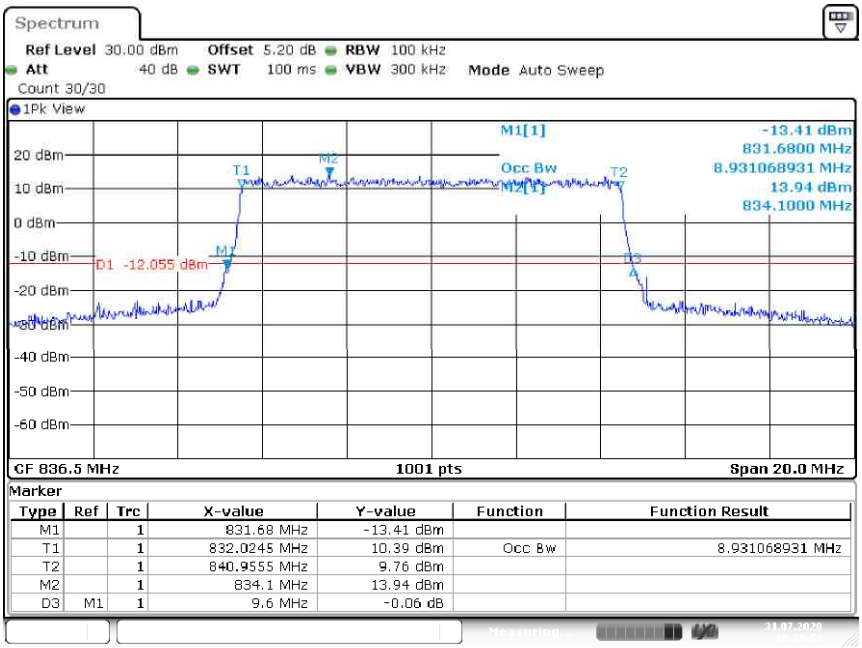
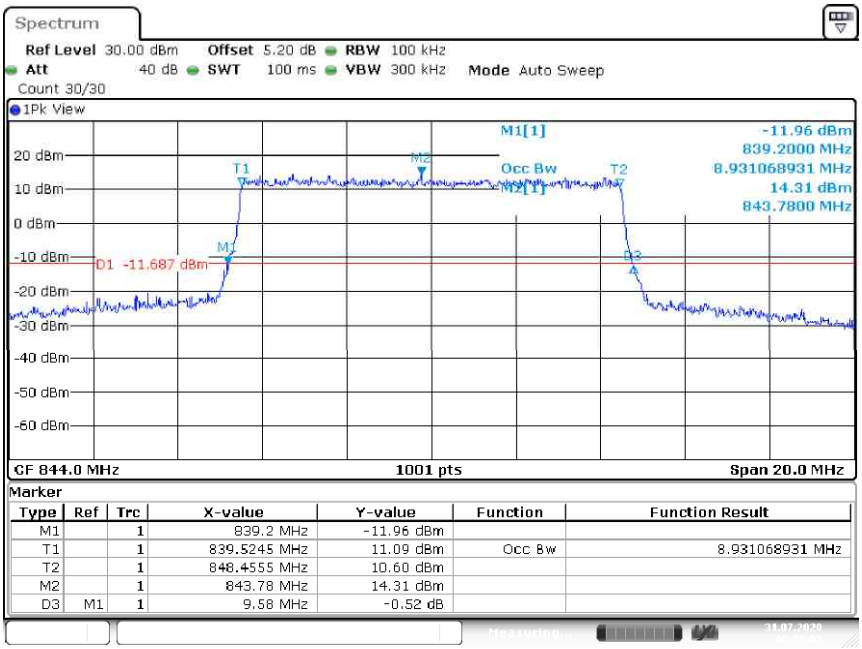


Date: 31.JUL.2020 08:29:54

Band5-10MHz-64QAM-20600-50RB#0-8.931



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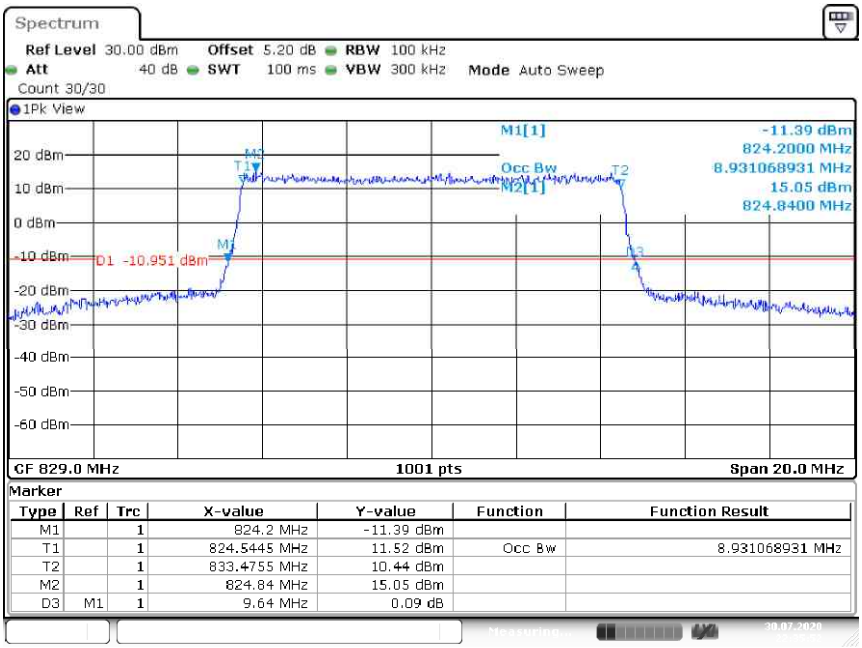
Band5-10MHz-16QAM-20450-50RB#0-8.931

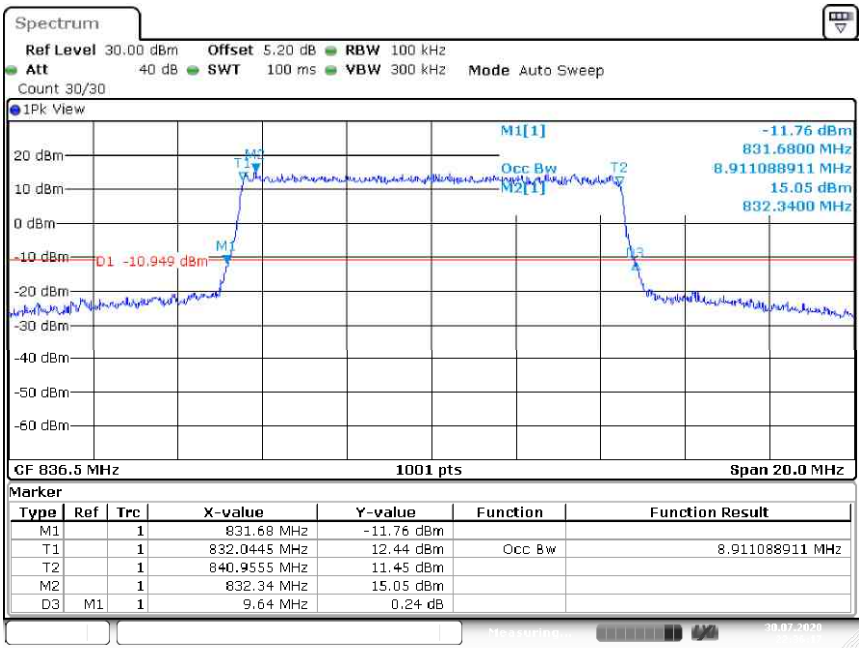


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	824.2 MHz	-11.39 dBm		
T1		1	824.5445 MHz	11.52 dBm	Occ Bw	8.931068931 MHz
T2		1	833.4755 MHz	10.44 dBm		
M2		1	824.84 MHz	15.05 dBm		
D3	M1	1	9.64 MHz	0.09 dB		

Date: 30.JUL.2020 22:35:52

Band5-10MHz-16QAM-20525-50RB#0-8.911



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	831.68 MHz	-11.76 dBm		
T1		1	832.0445 MHz	12.44 dBm	Occ Bw	8.911088911 MHz
T2		1	840.9555 MHz	11.45 dBm		
M2		1	832.34 MHz	15.05 dBm		
D3	M1	1	9.64 MHz	0.24 dB		

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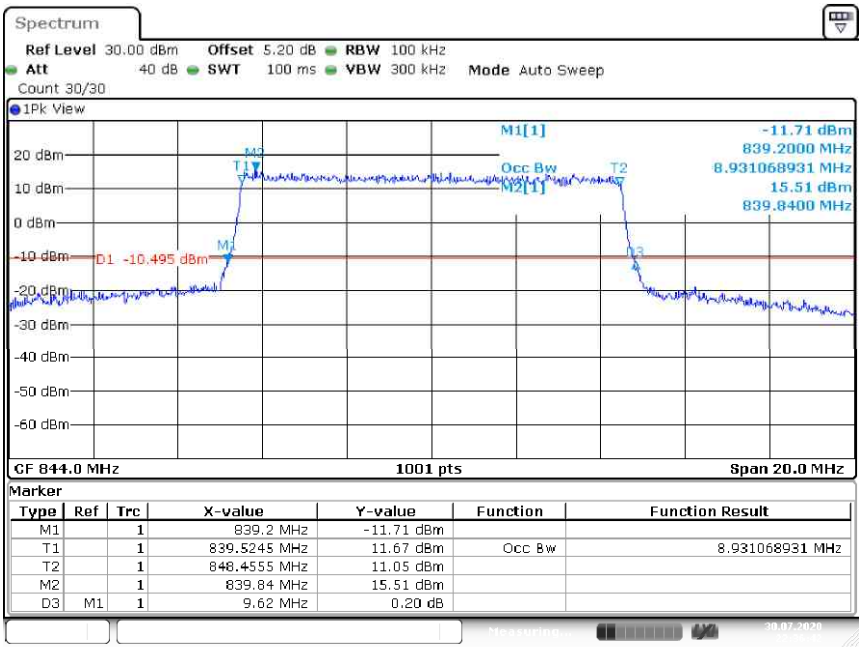

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5. Band Edge Compliance

5.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	-17.23	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	-21.83	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	-17.72	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-20.44	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	-20.92	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	-27.35	PASS
Band5	1.4MHz	64QAM	20643	1RB#5	-20.28	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	-25.99	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	-18.73	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-23.78	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	-18.56	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-22.69	PASS
Band5	3MHz	QPSK	20415	1RB#0	-17.14	PASS
Band5	3MHz	QPSK	20415	15RB#0	-26.76	PASS
Band5	3MHz	QPSK	20635	1RB#14	-17.15	PASS
Band5	3MHz	QPSK	20635	15RB#0	-25.27	PASS
Band5	3MHz	64QAM	20415	1RB#0	-21.15	PASS
Band5	3MHz	64QAM	20415	15RB#0	-32.02	PASS
Band5	3MHz	64QAM	20635	1RB#14	-20.83	PASS
Band5	3MHz	64QAM	20635	15RB#0	-30.97	PASS
Band5	3MHz	16QAM	20415	1RB#0	-17.24	PASS
Band5	3MHz	16QAM	20415	15RB#0	-29.22	PASS
Band5	3MHz	16QAM	20635	1RB#14	-18.07	PASS
Band5	3MHz	16QAM	20635	15RB#0	-28.33	PASS
Band5	5MHz	QPSK	20425	1RB#0	-18.19	PASS
Band5	5MHz	QPSK	20425	25RB#0	-26.81	PASS
Band5	5MHz	QPSK	20625	1RB#24	-18.21	PASS
Band5	5MHz	QPSK	20625	25RB#0	-26.47	PASS
Band5	5MHz	64QAM	20425	1RB#0	-19.99	PASS
Band5	5MHz	64QAM	20425	25RB#0	-31.70	PASS
Band5	5MHz	64QAM	20625	1RB#24	-19.76	PASS
Band5	5MHz	64QAM	20625	25RB#0	-30.98	PASS

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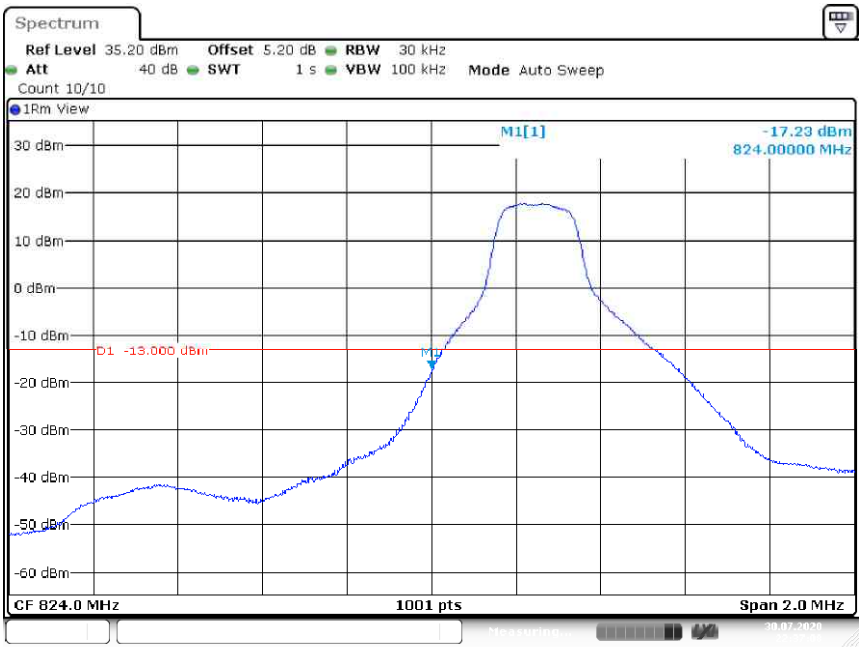
Band5	5MHz	16QAM	20425	1RB#0	-19.24	PASS
Band5	5MHz	16QAM	20425	25RB#0	-28.71	PASS
Band5	5MHz	16QAM	20625	1RB#24	-18.55	PASS
Band5	5MHz	16QAM	20625	25RB#0	-28.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	-20.49	PASS
Band5	10MHz	QPSK	20450	50RB#0	-27.42	PASS
Band5	10MHz	QPSK	20600	1RB#49	-20.24	PASS
Band5	10MHz	QPSK	20600	50RB#0	-27.09	PASS
Band5	10MHz	64QAM	20450	1RB#0	-22.67	PASS
Band5	10MHz	64QAM	20450	50RB#0	-32.89	PASS
Band5	10MHz	64QAM	20600	1RB#49	-22.35	PASS
Band5	10MHz	64QAM	20600	50RB#0	-32.44	PASS
Band5	10MHz	16QAM	20450	1RB#0	-20.47	PASS
Band5	10MHz	16QAM	20450	50RB#0	-30.20	PASS
Band5	10MHz	16QAM	20600	1RB#49	-21.75	PASS
Band5	10MHz	16QAM	20600	50RB#0	-29.72	PASS

5.2. Test Plots

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



Date: 30.JUL.2020 22:37:08

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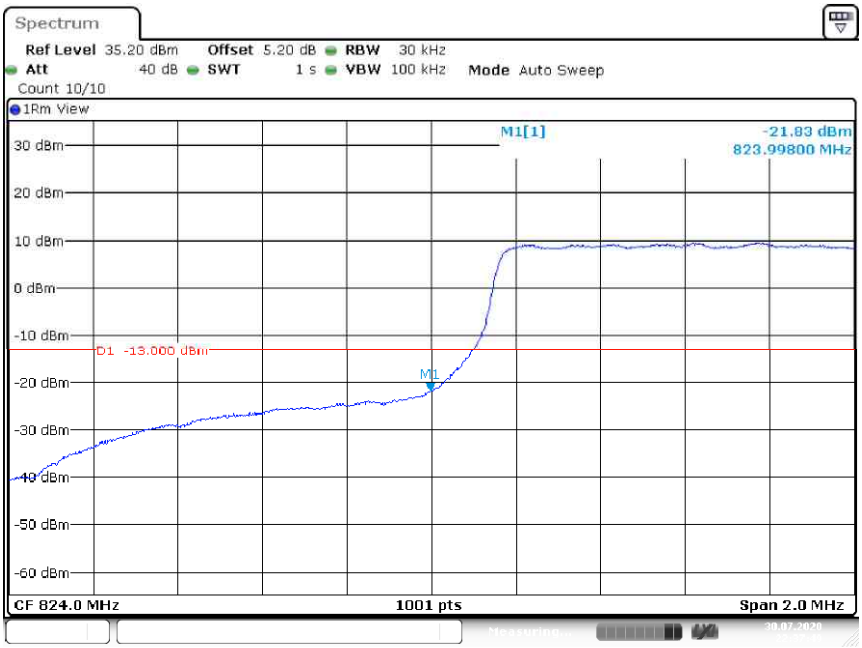
Band5-1.4MHz-QPSK-20407-6RB#0



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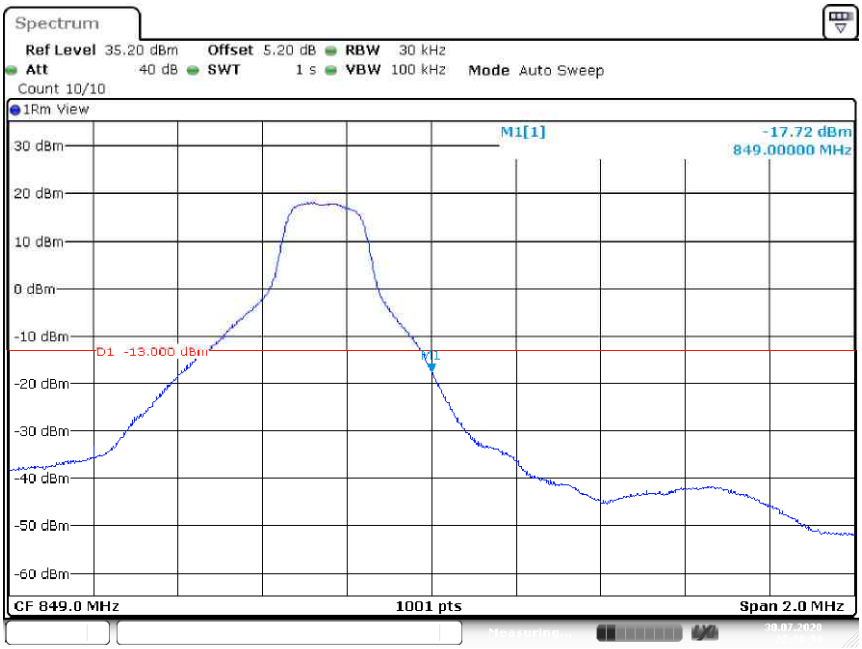
Band5-1.4MHz-QPSK-20643-1RB#5



Date: 30.JUL.2020 22:38:34

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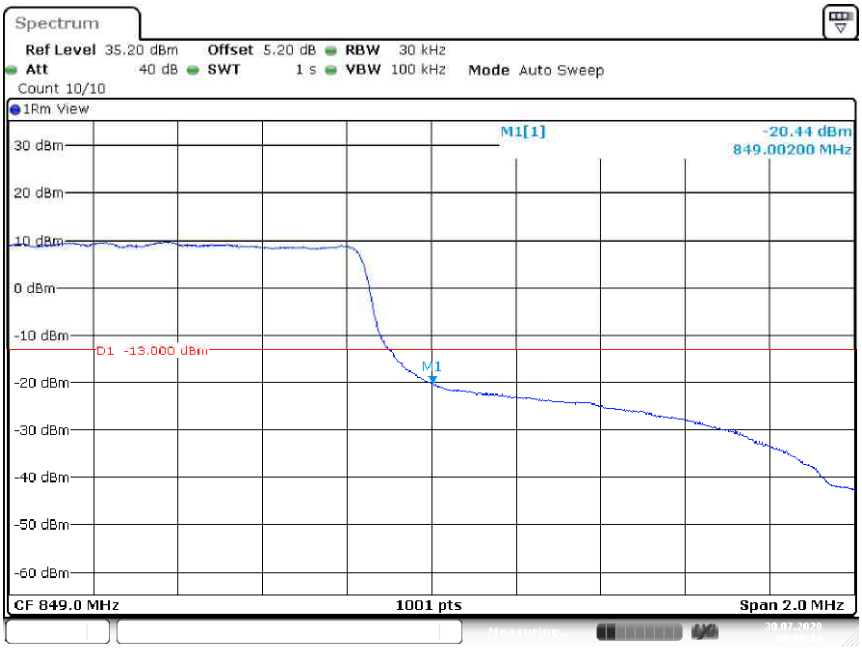
Band5-1.4MHz-QPSK-20643-6RB#0



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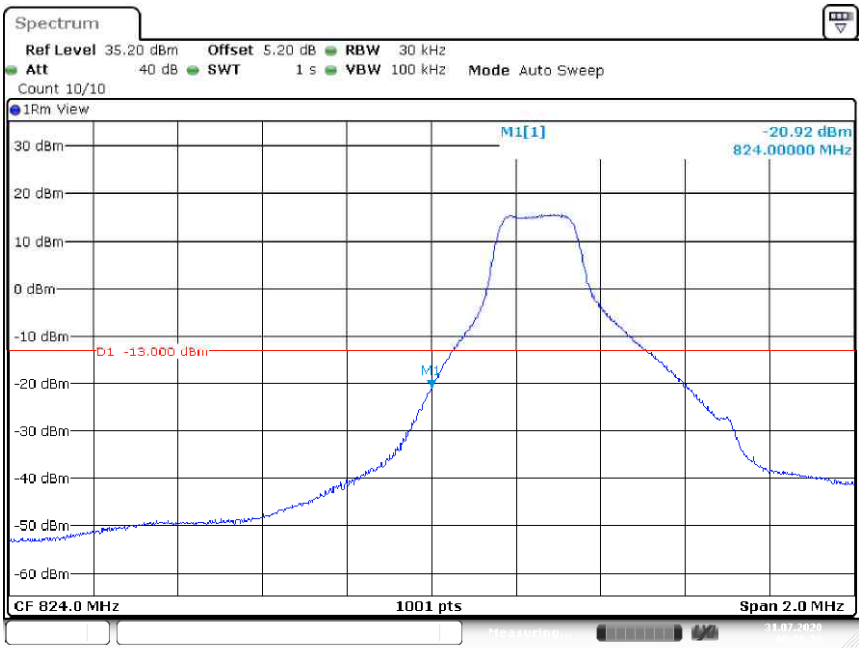
Band5-1.4MHz-64QAM-20407-1RB#0



Date: 31.JUL.2020 08:30:33

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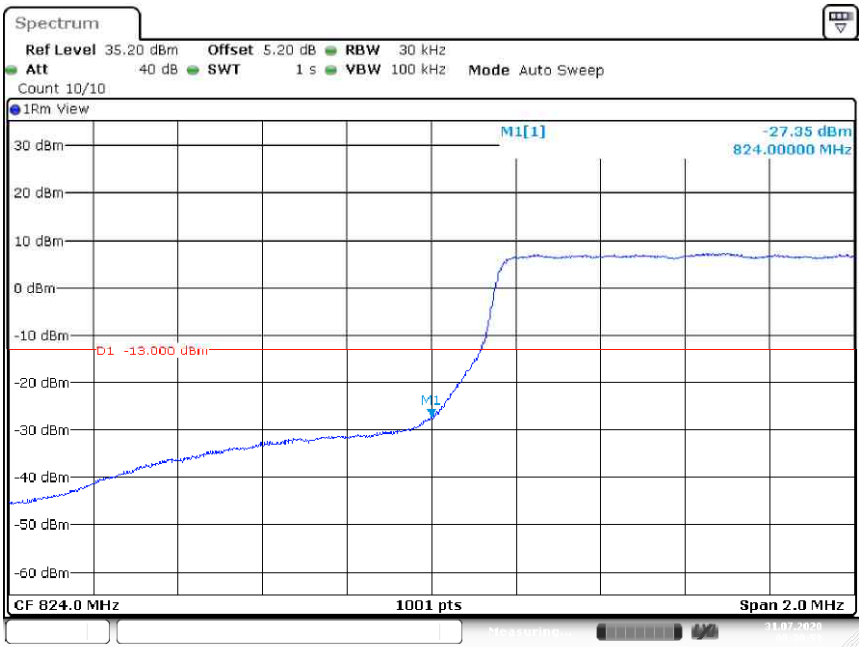

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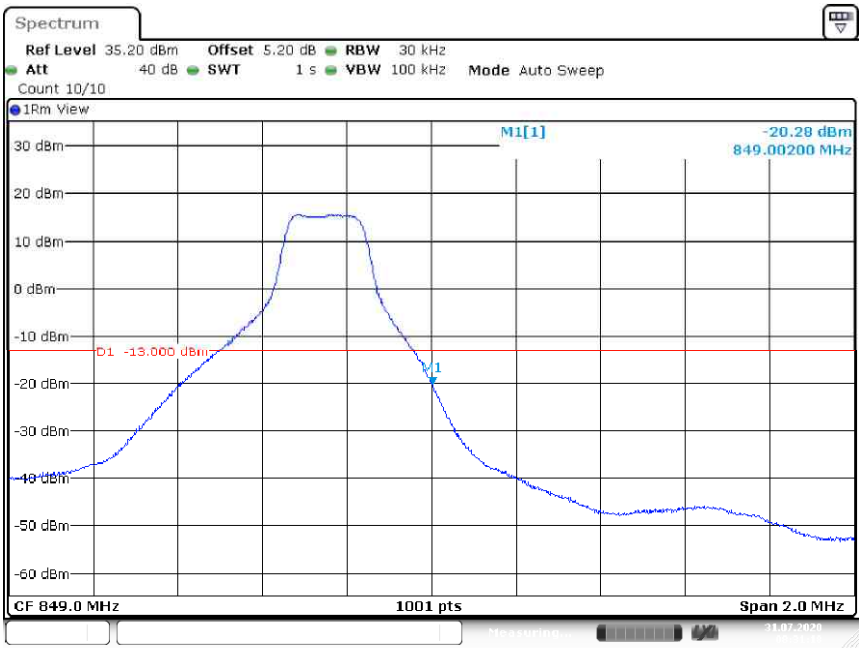
Band5-1.4MHz-64QAM-20643-1RB#5



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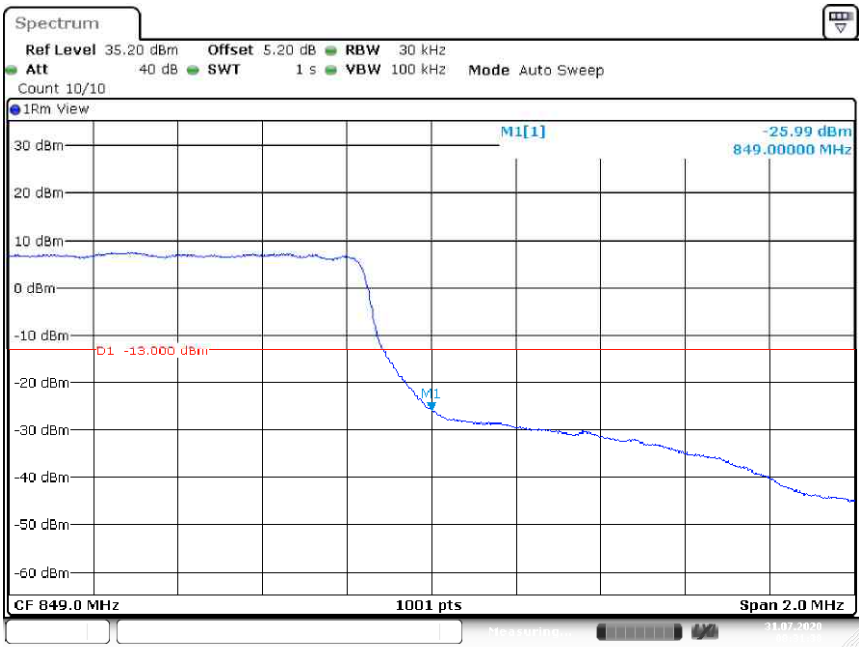
Band5-1.4MHz-64QAM-20643-6RB#0



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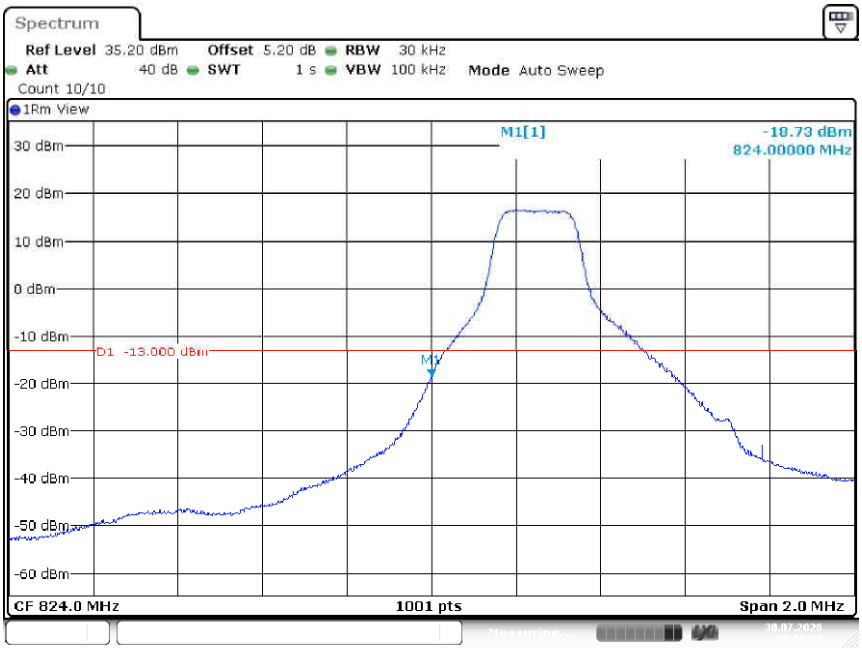
Band5-1.4MHz-16QAM-20407-1RB#0



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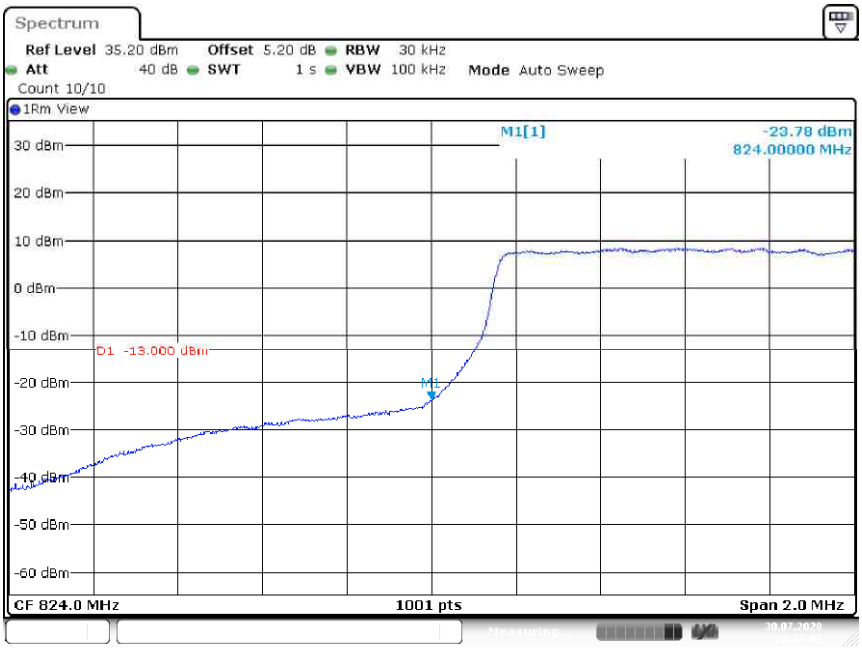

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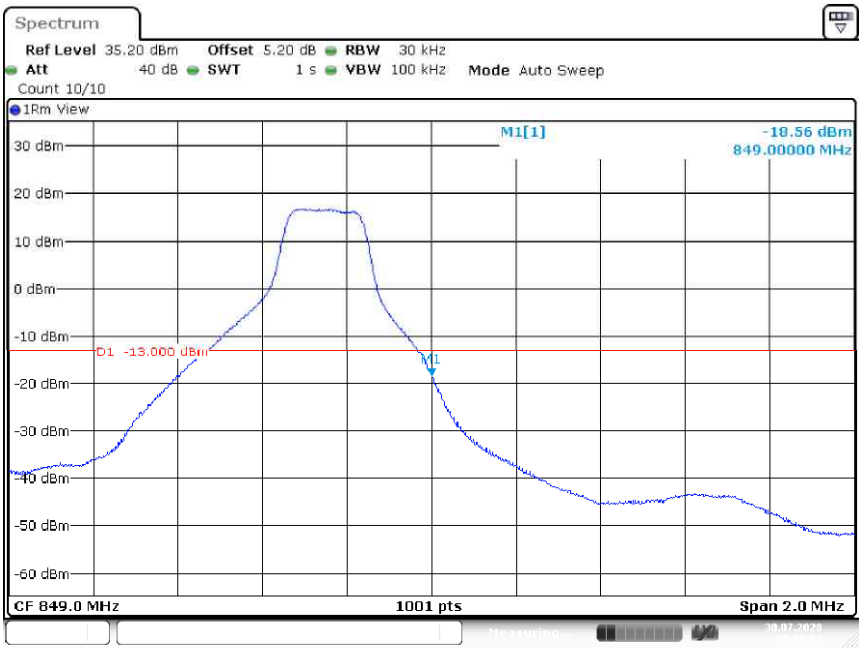
Band5-1.4MHz-16QAM-20643-1RB#5



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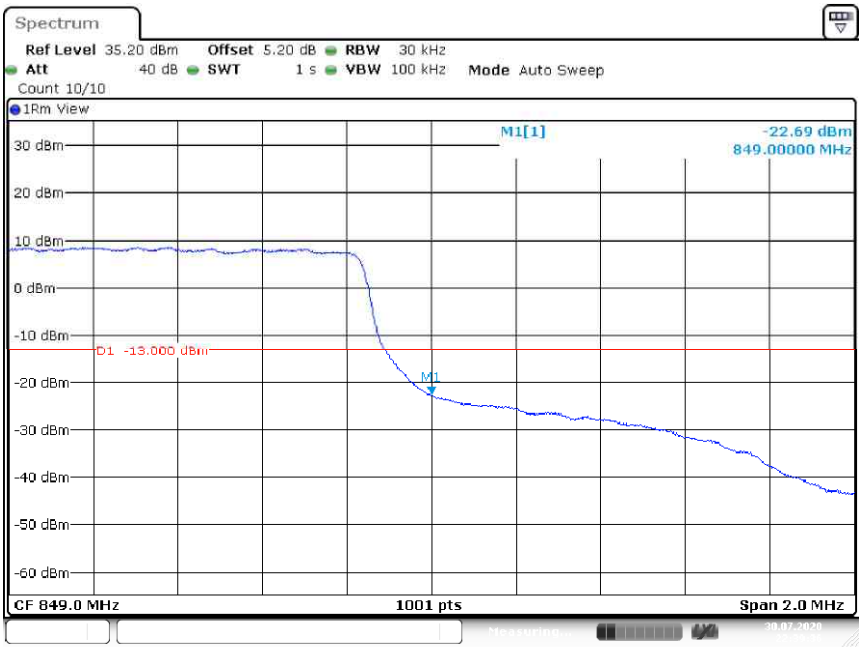
Band5-1.4MHz-16QAM-20643-6RB#0



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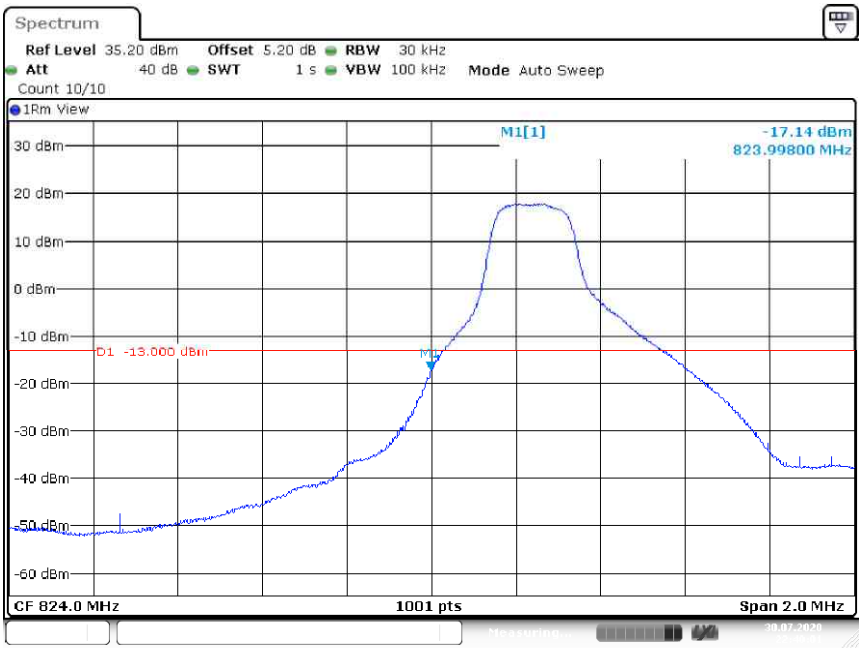
Band5-3MHz-QPSK-20415-1RB#0



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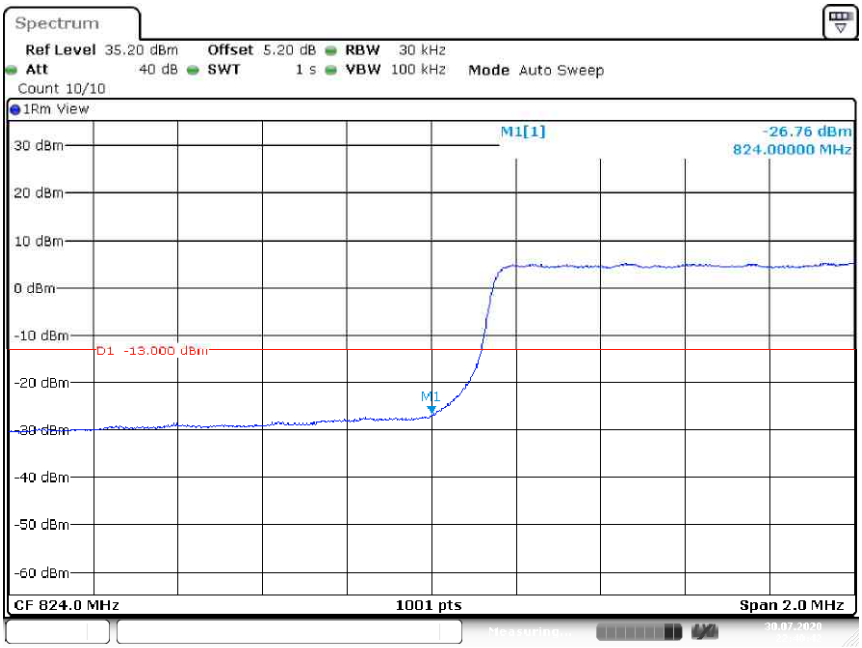
Band5-3MHz-QPSK-20415-15RB#0



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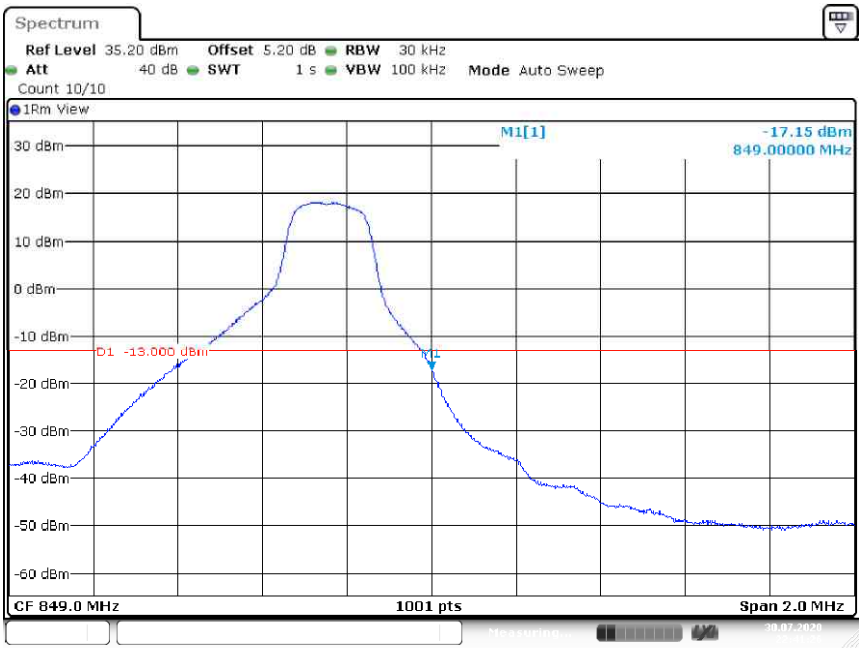

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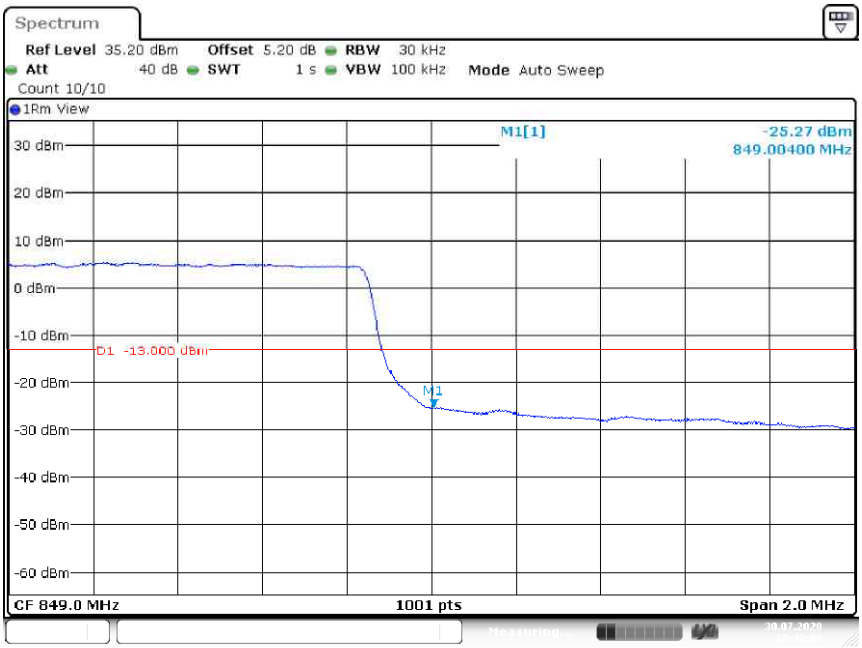
Band5-3MHz-QPSK-20635-15RB#0



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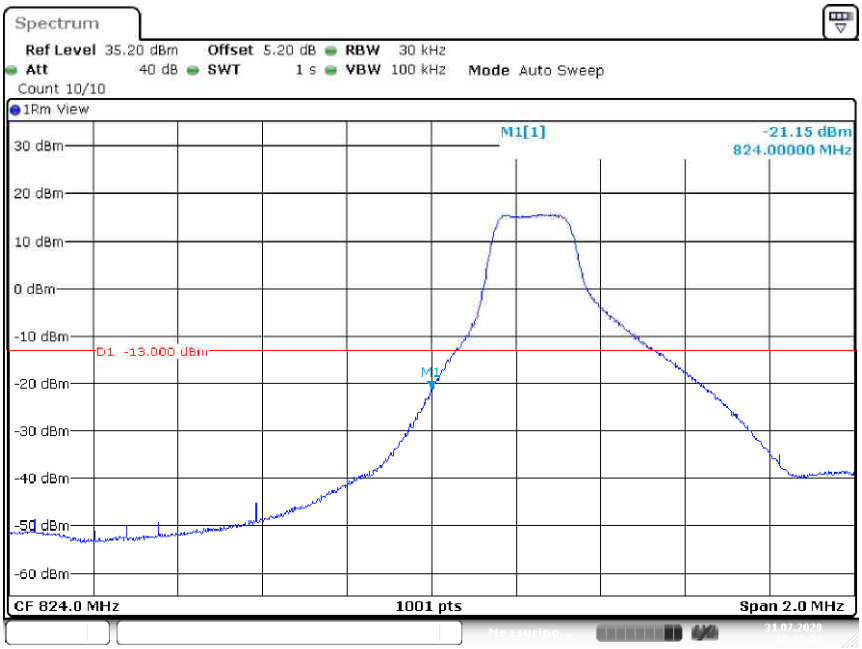

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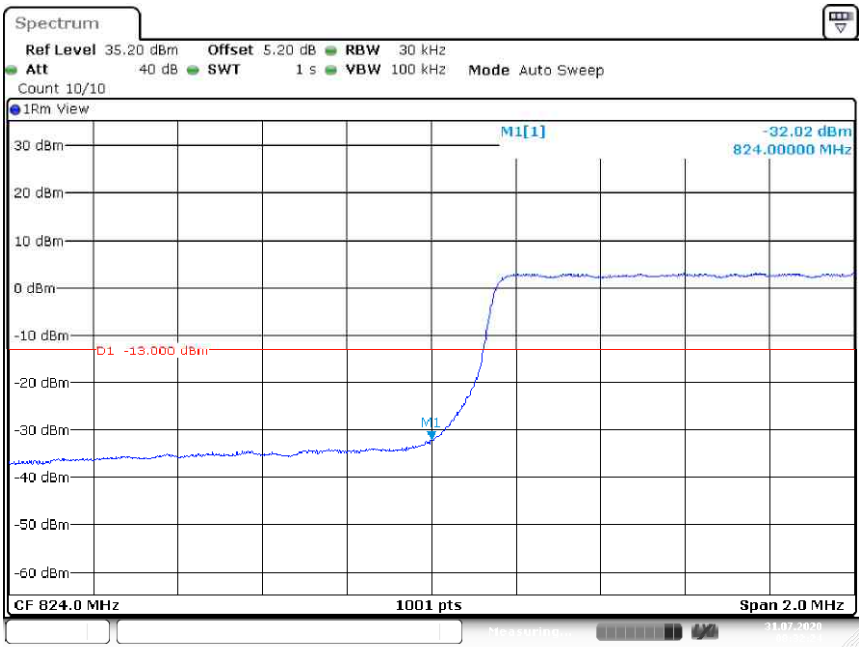
Band5-3MHz-64QAM-20415-15RB#0



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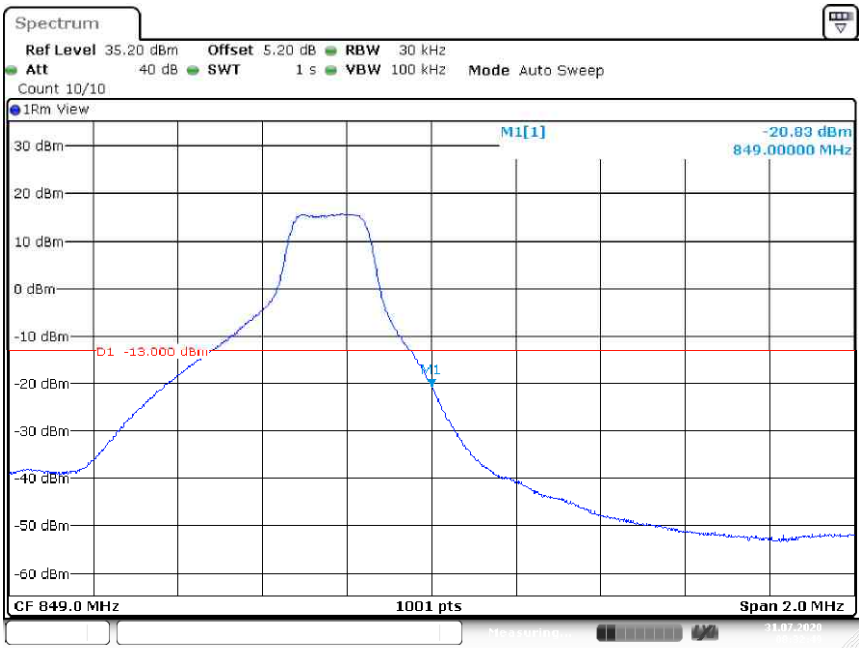
Band5-3MHz-64QAM-20635-1RB#14



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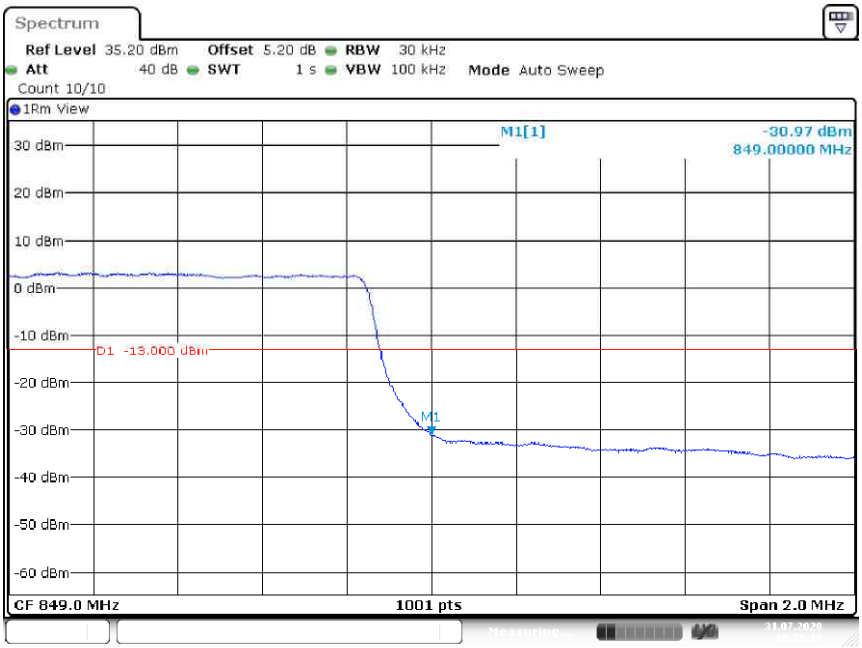
Band5-3MHz-64QAM-20635-15RB#0



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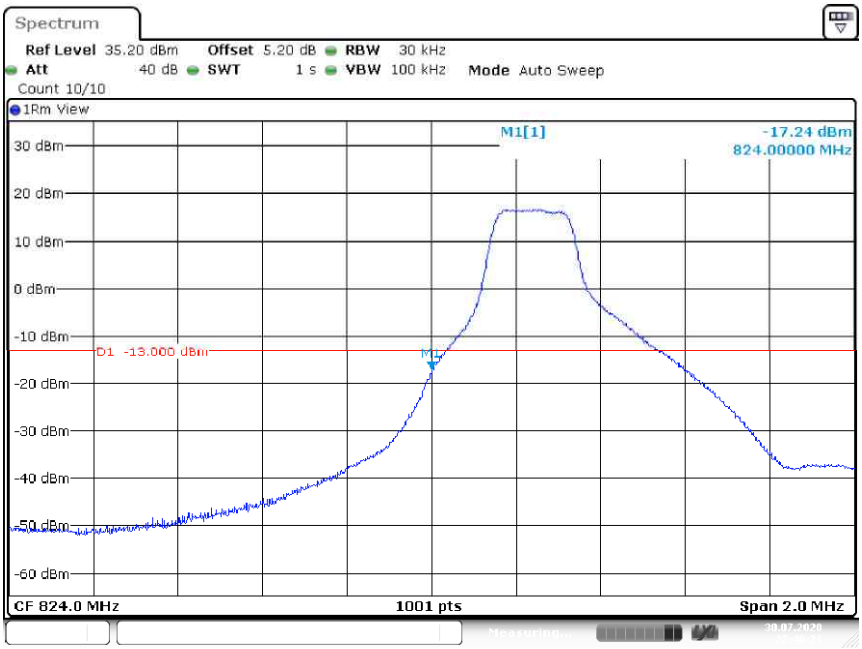
Band5-3MHz-16QAM-20415-1RB#0



Date: 30.JUL.2020 22:40:21

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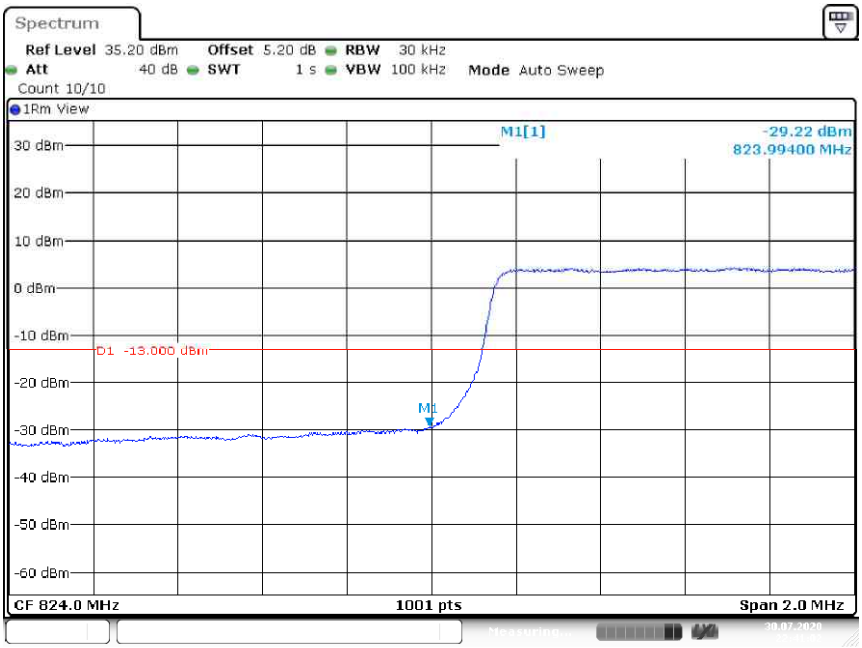
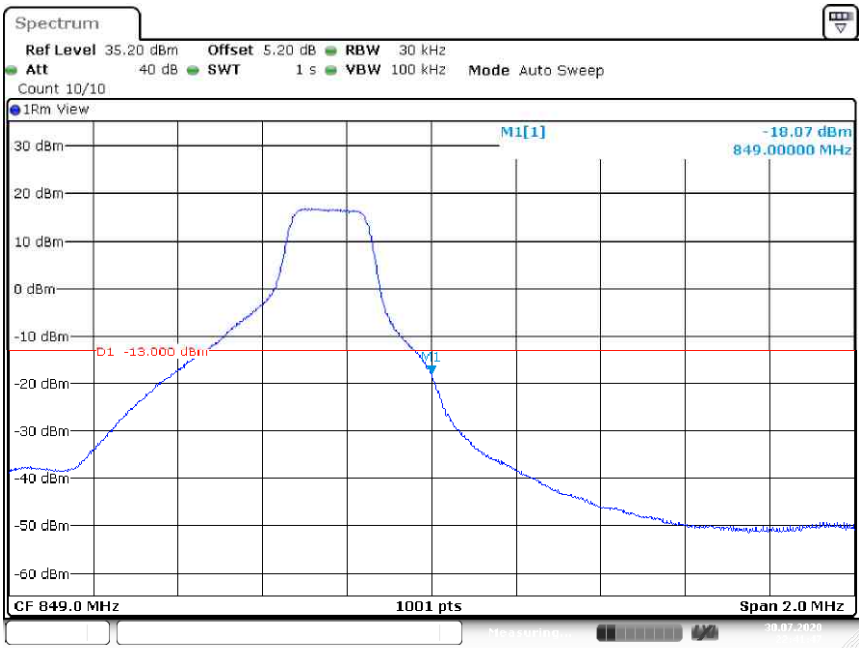
Band5-3MHz-16QAM-20415-15RB#0



Date: 30.JUL.2020 22:41:02

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



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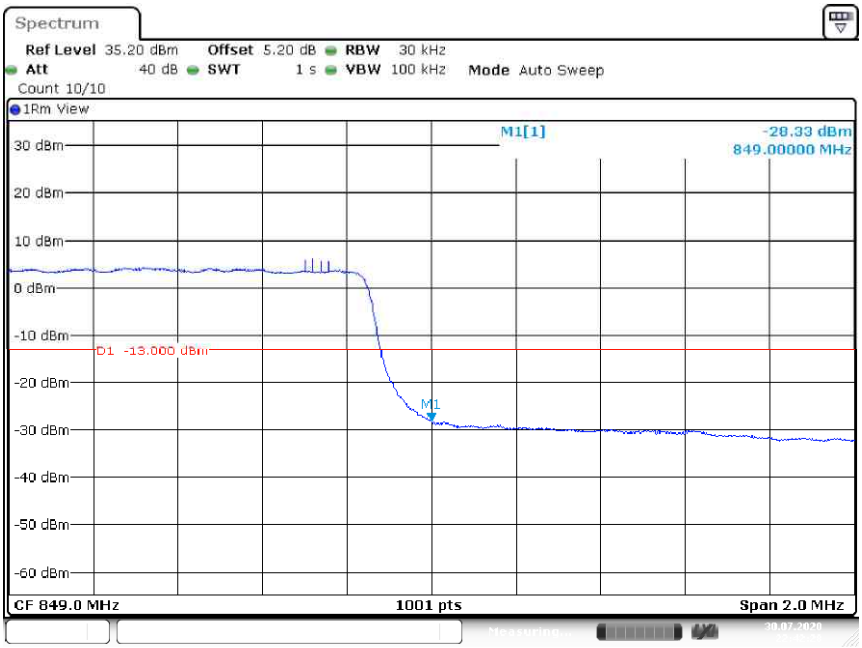
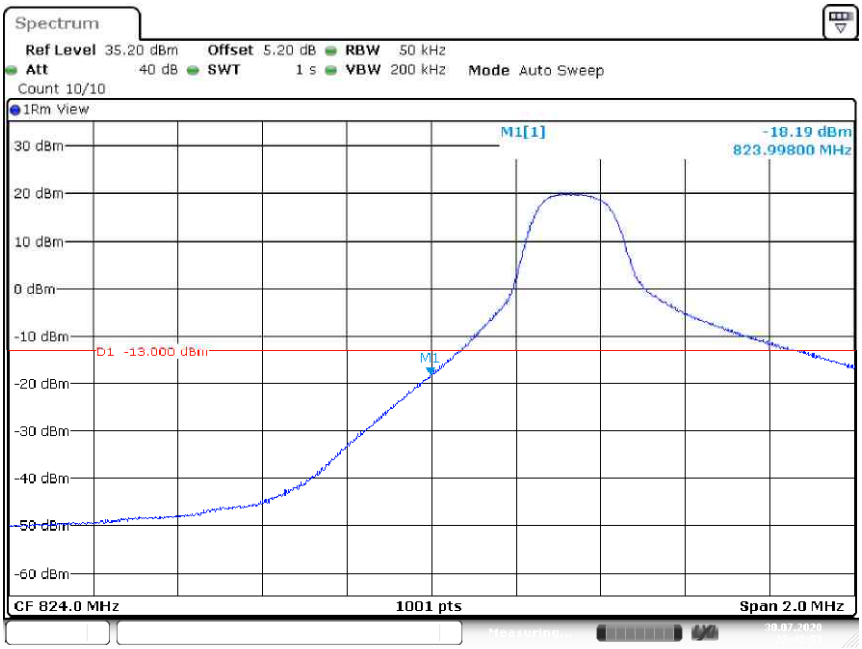
Band5-3MHz-16QAM-20635-15RB#0



Date: 30.JUL.2020 22:42:29

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



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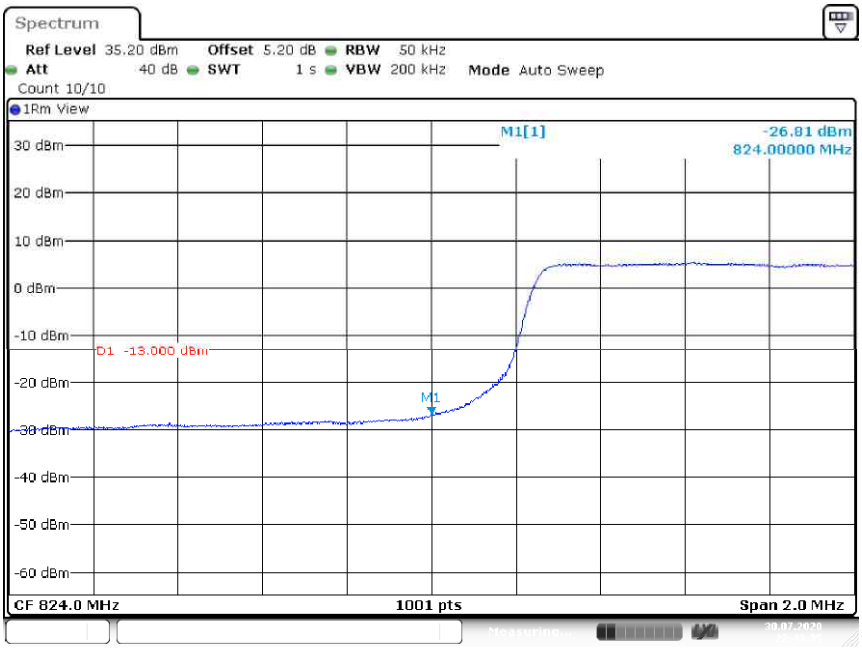
Band5-5MHz-QPSK-20425-25RB#0



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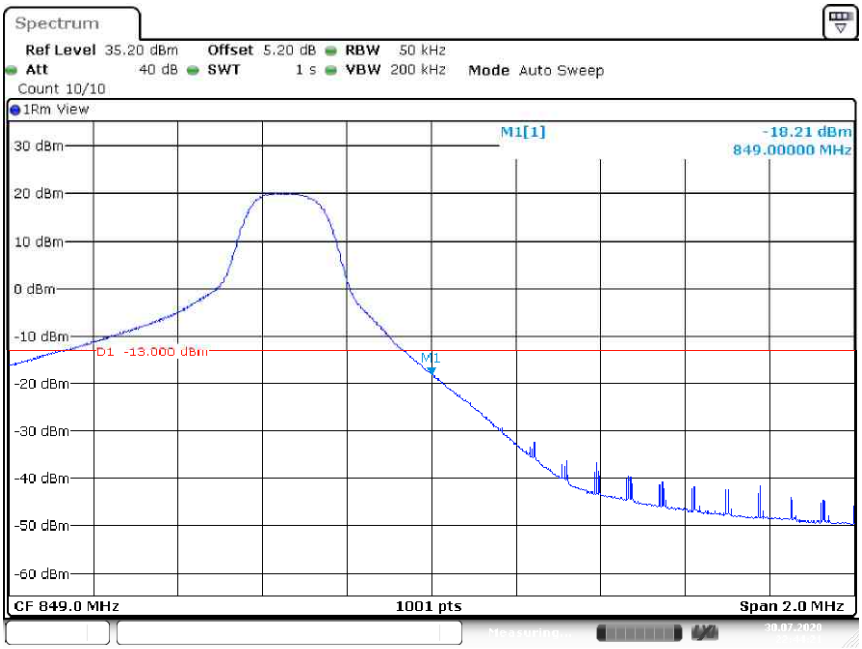
Band5-5MHz-QPSK-20625-1RB#24



Date: 30.JUL.2020 22:44:20

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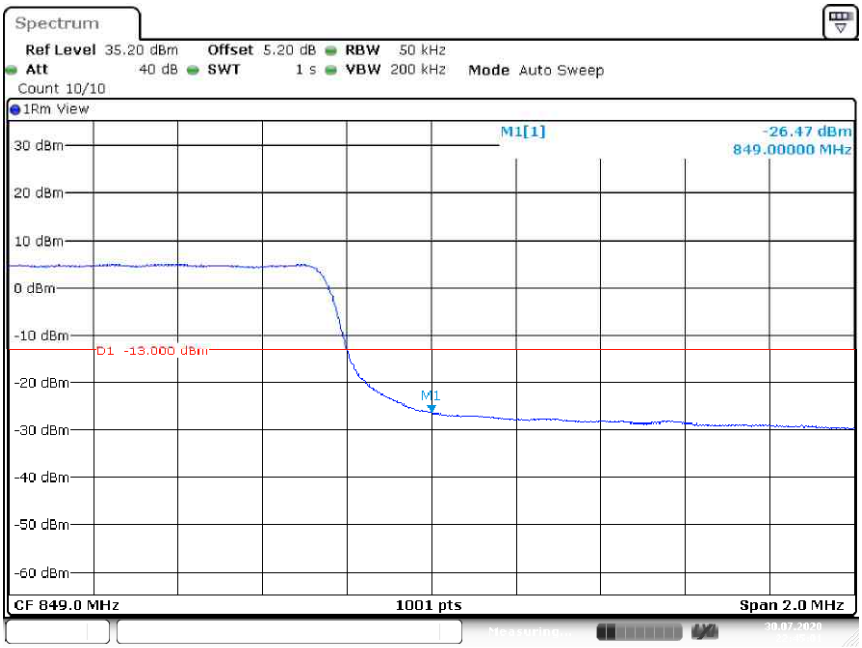
Band5-5MHz-QPSK-20625-25RB#0



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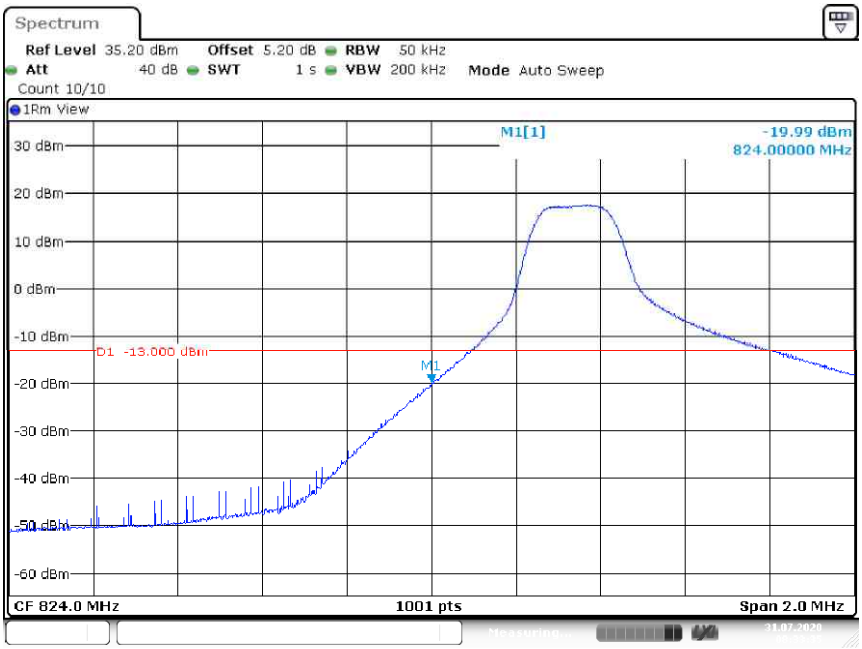
Band5-5MHz-64QAM-20425-1RB#0



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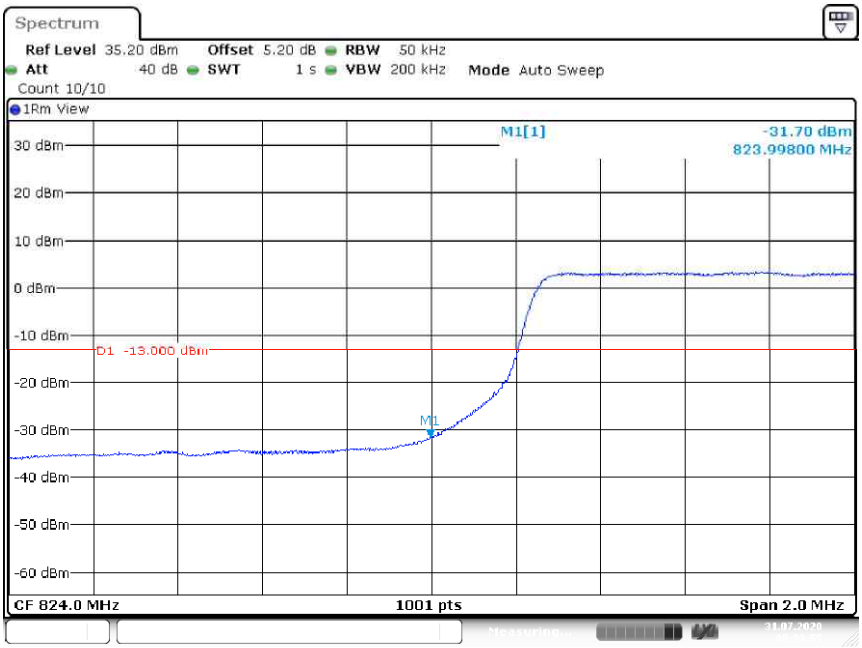
Band5-5MHz-64QAM-20425-25RB#0



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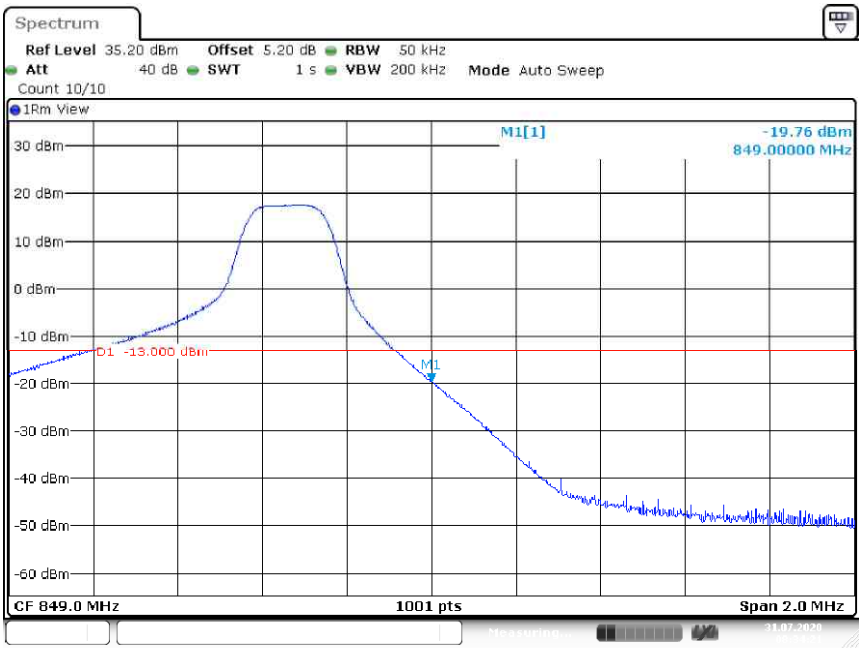
Band5-5MHz-64QAM-20625-1RB#24



Date: 31.JUL.2020 08:34:21

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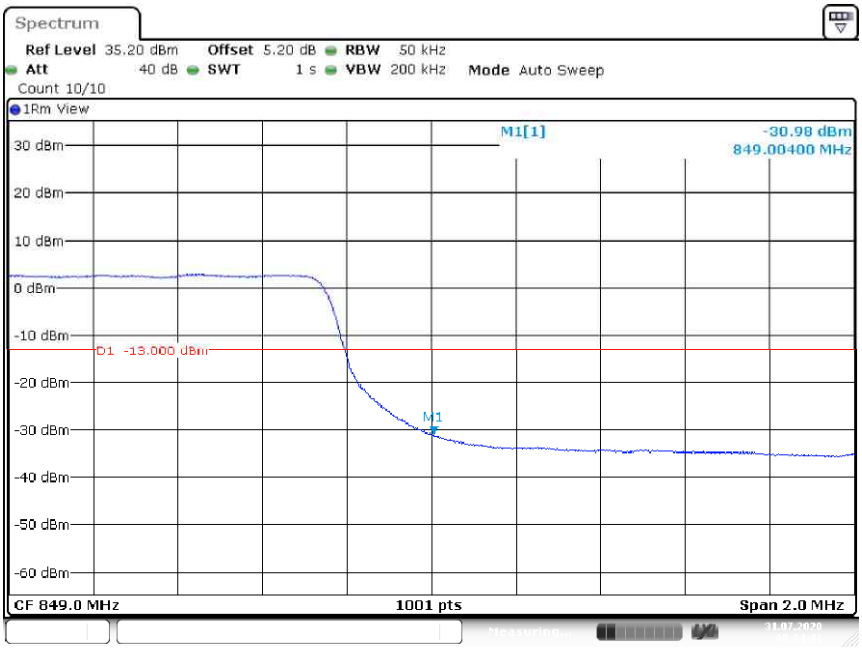
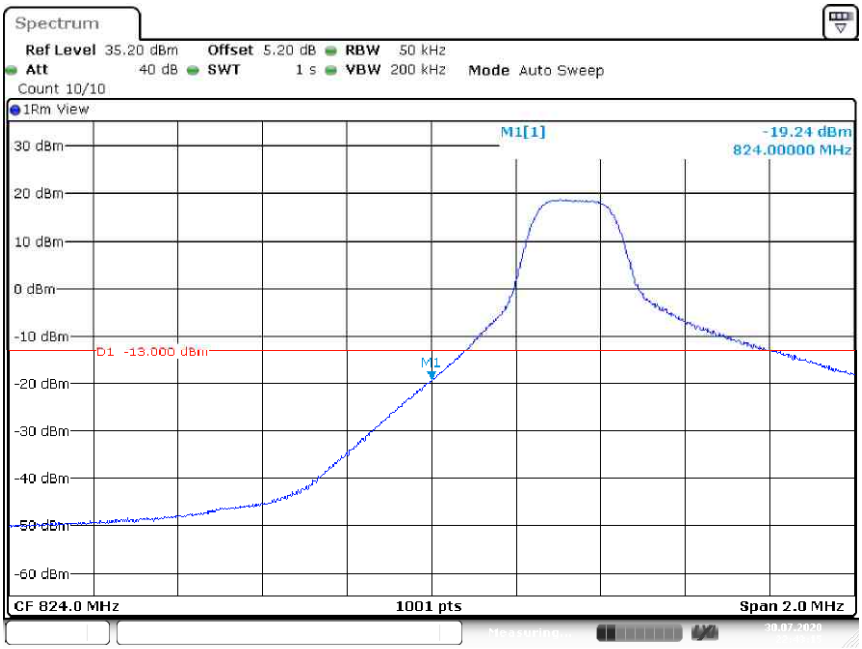


Date: 31.JUL.2020 08:34:41

Band5-5MHz-16QAM-20425-1RB#0



Date: 30.JUL.2020 22:43:15

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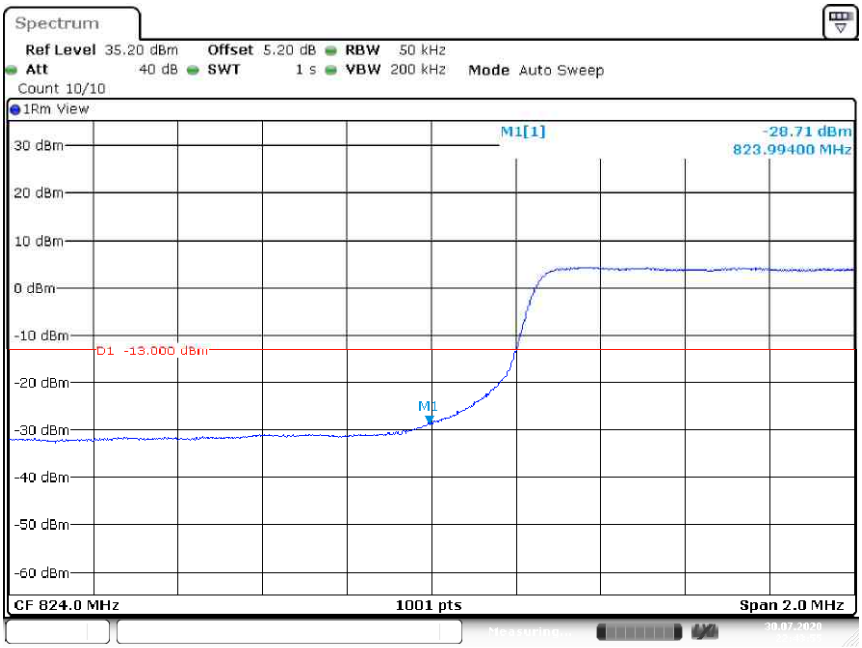
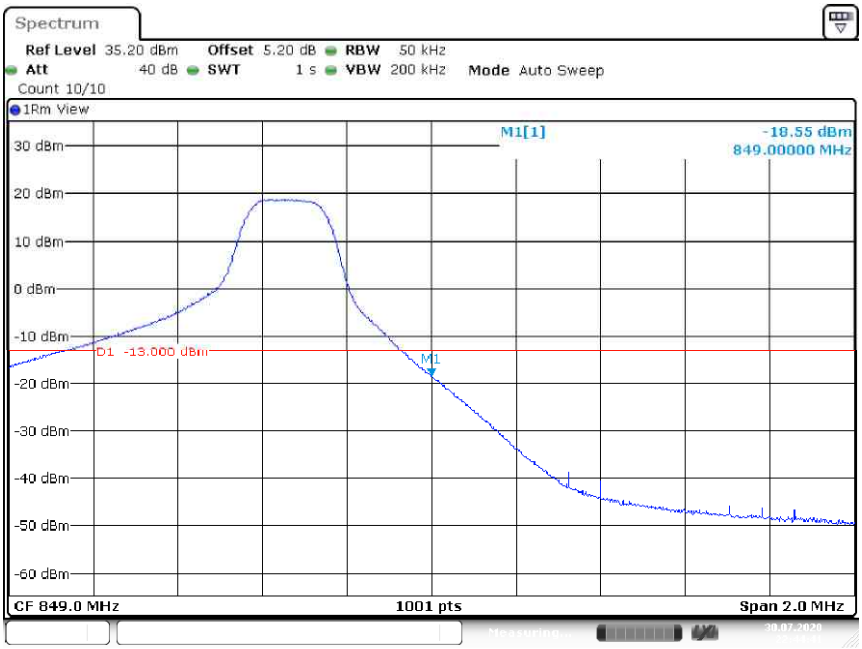
Band5-5MHz-16QAM-20425-25RB#0



Date: 30.JUL.2020 22:43:56

Band5-5MHz-16QAM-20625-1RB#24



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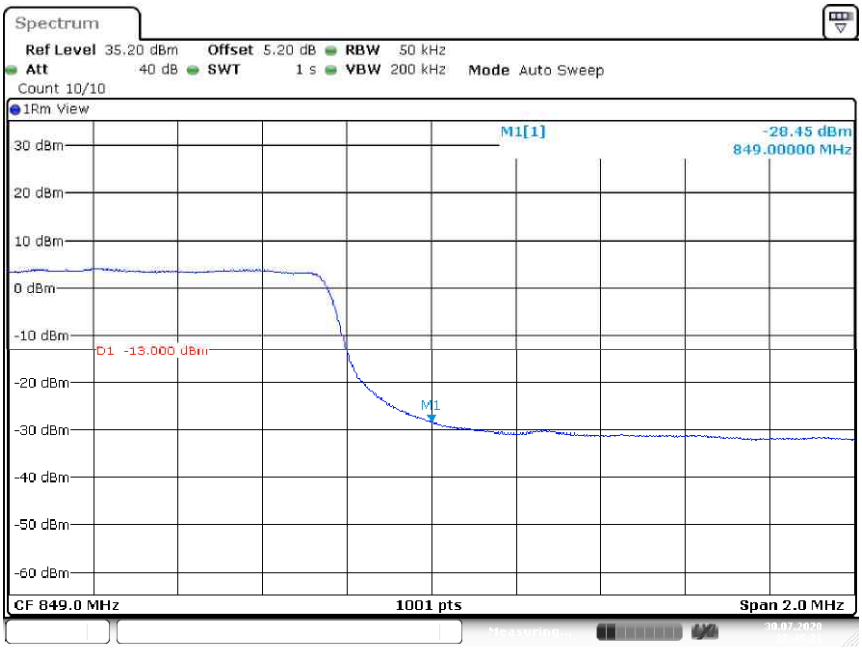
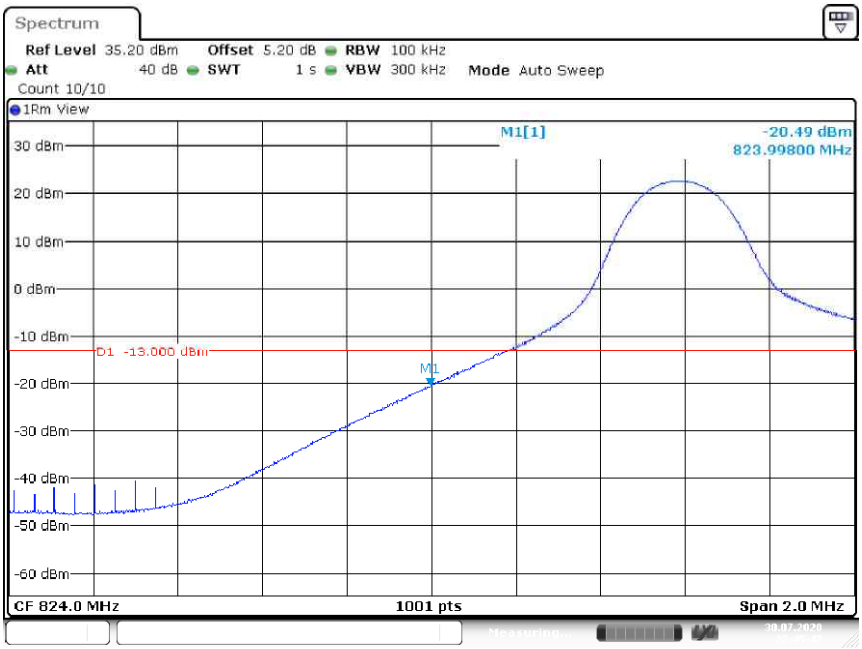
Band5-5MHz-16QAM-20625-25RB#0



Date: 30.JUL.2020 22:45:22

Band5-10MHz-QPSK-20450-1RB#0



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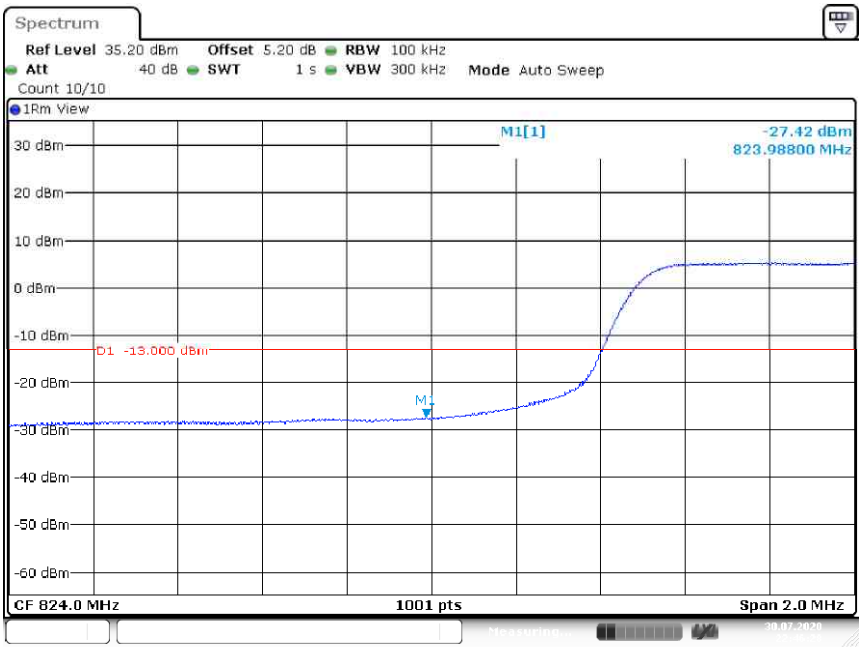
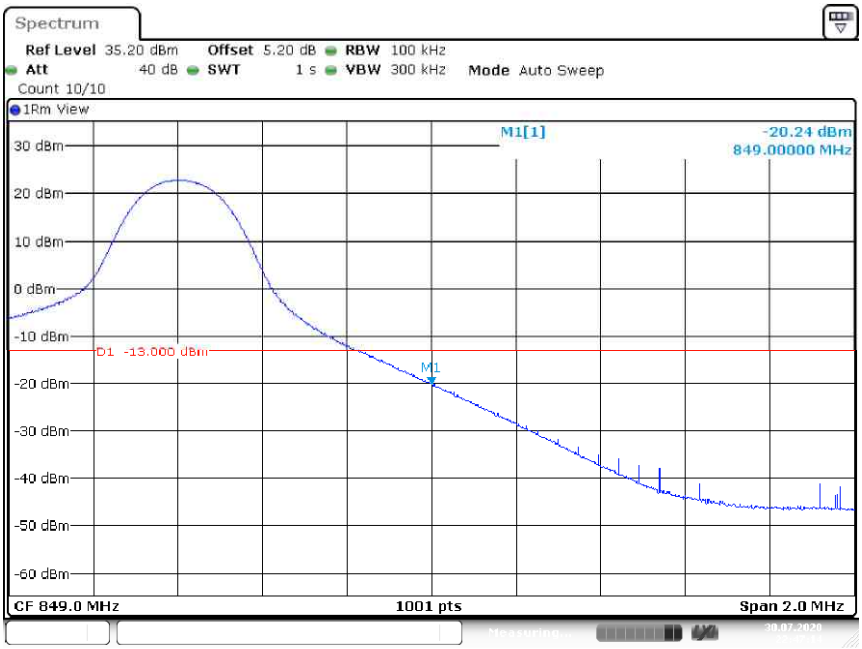
Band5-10MHz-QPSK-20450-50RB#0



Date: 30.JUL.2020 22:46:29

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



Date: 30.JUL.2020 22:47:14

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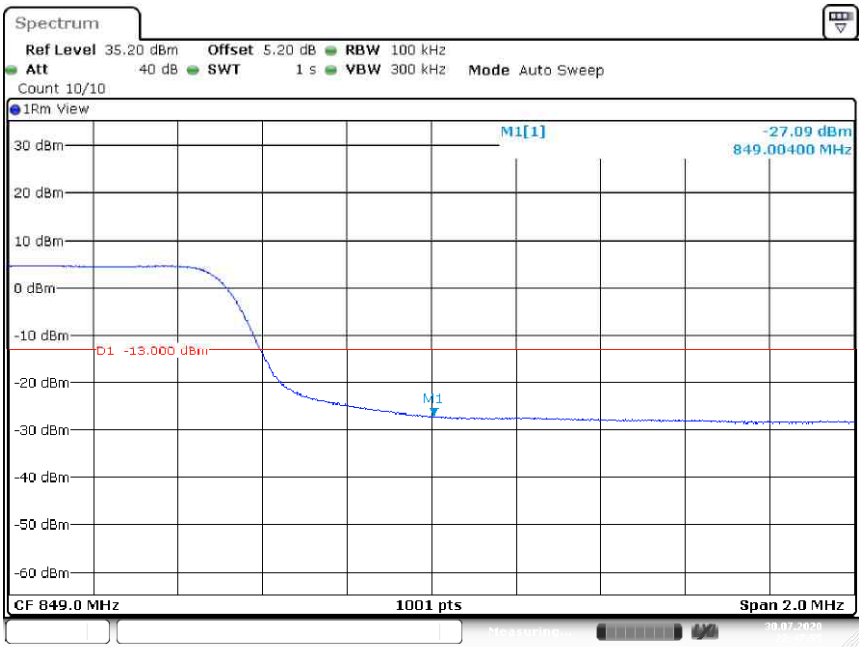
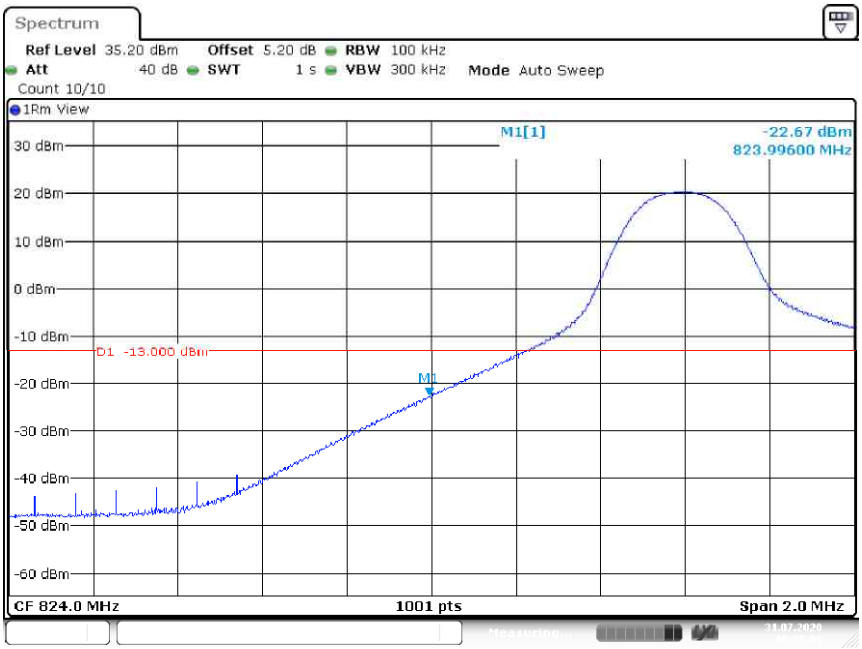
Band5-10MHz-QPSK-20600-50RB#0



Date: 30.JUL.2020 22:47:55

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



Date: 31.JUL.2020 08:35:07

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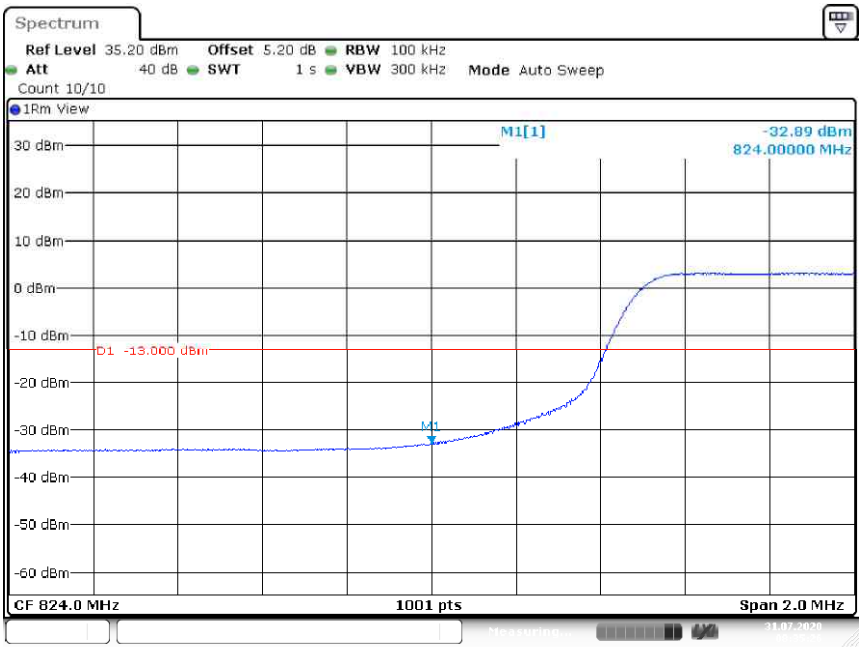
Band5-10MHz-64QAM-20450-50RB#0



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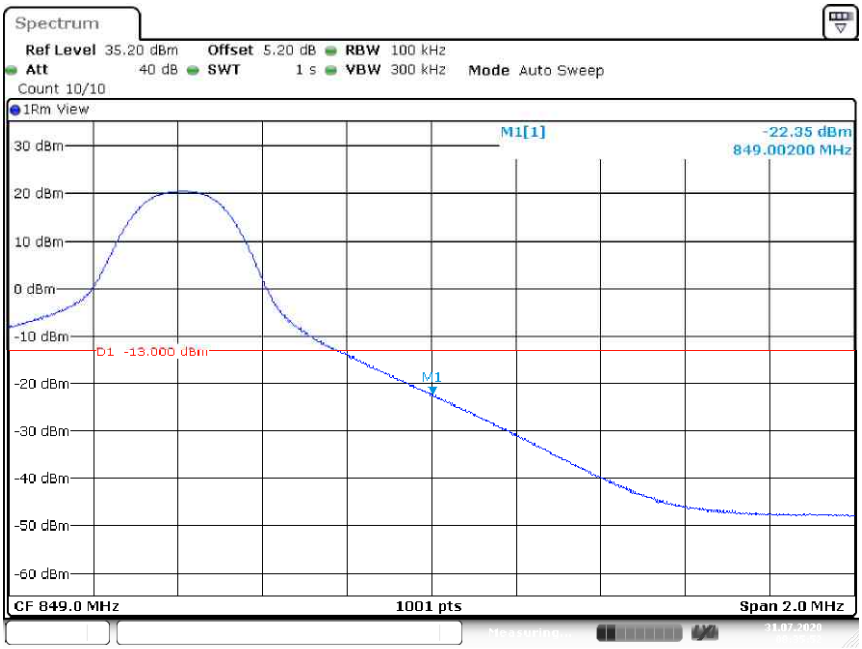
Band5-10MHz-64QAM-20600-1RB#49



Date: 31.JUL.2020 08:35:52

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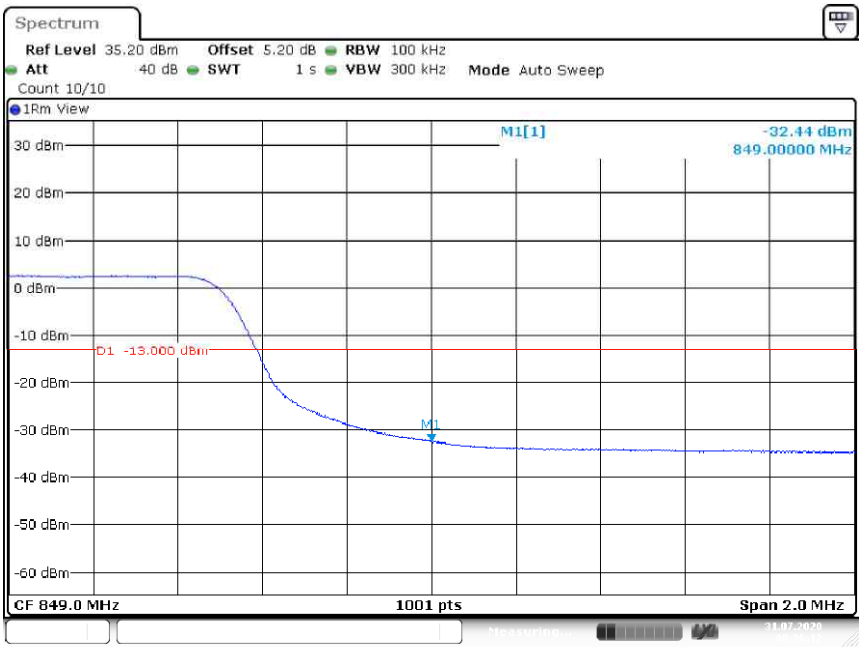
Band5-10MHz-64QAM-20600-50RB#0



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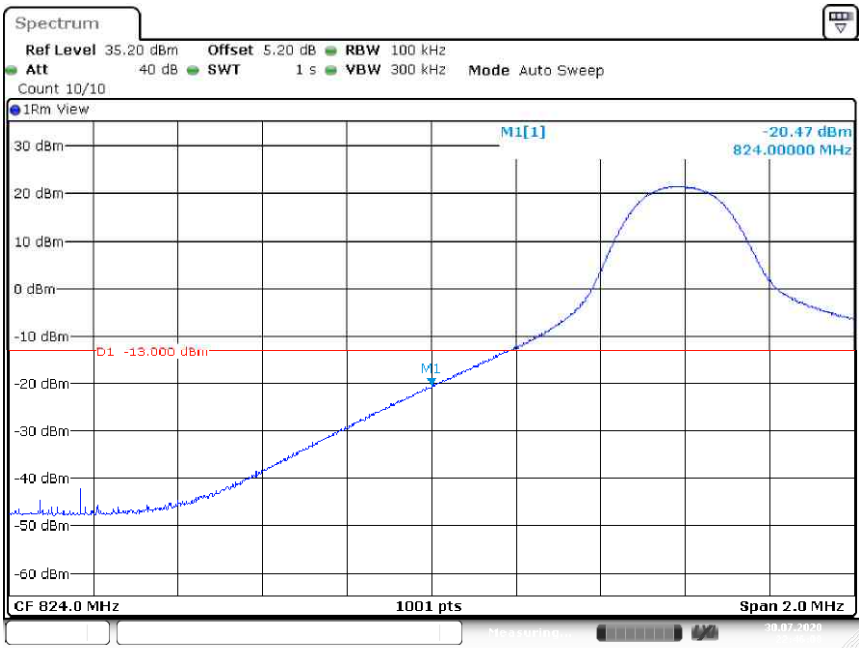
Band5-10MHz-16QAM-20450-1RB#0



Date: 30.JUL.2020 22:46:08

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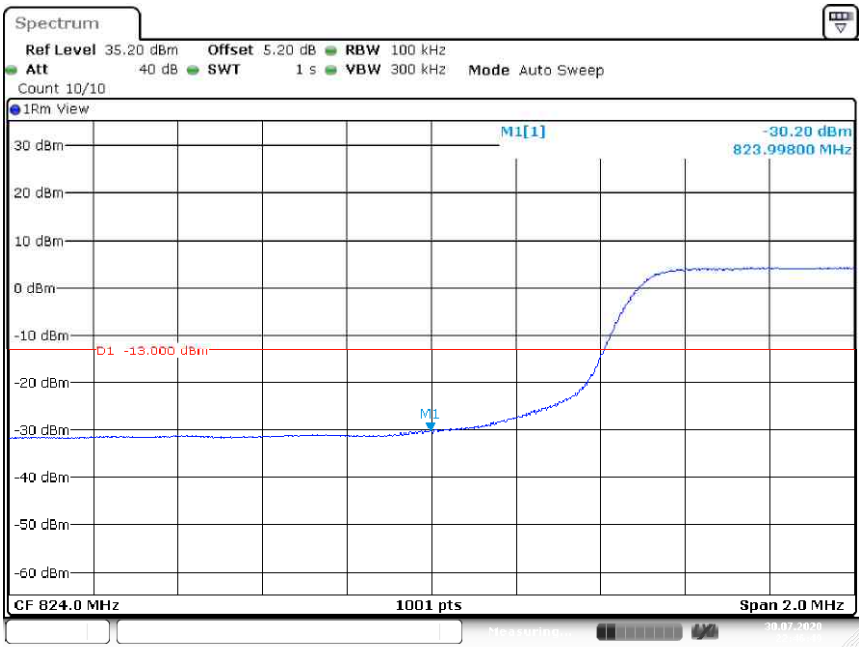
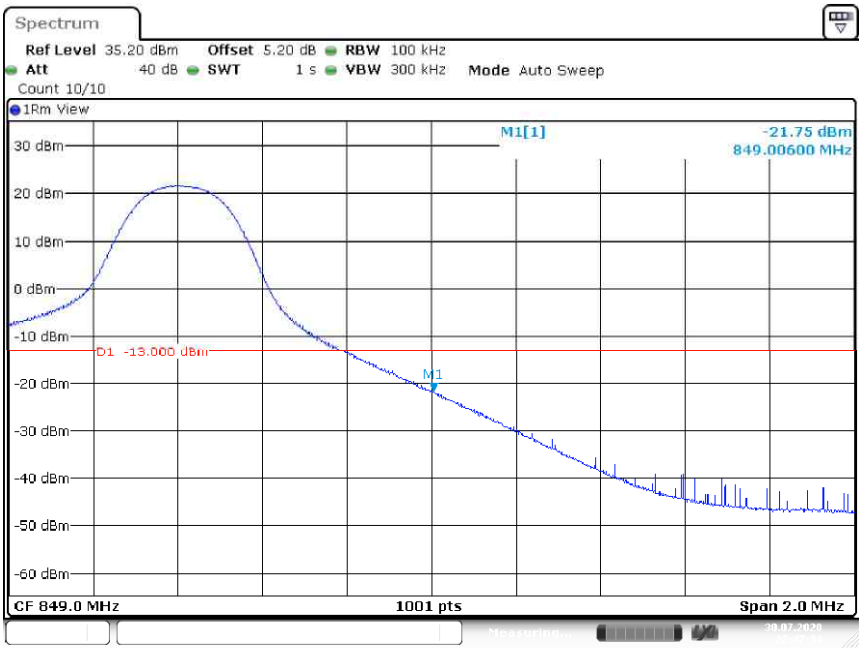
Band5-10MHz-16QAM-20450-50RB#0



Date: 30.JUL.2020 22:46:49

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



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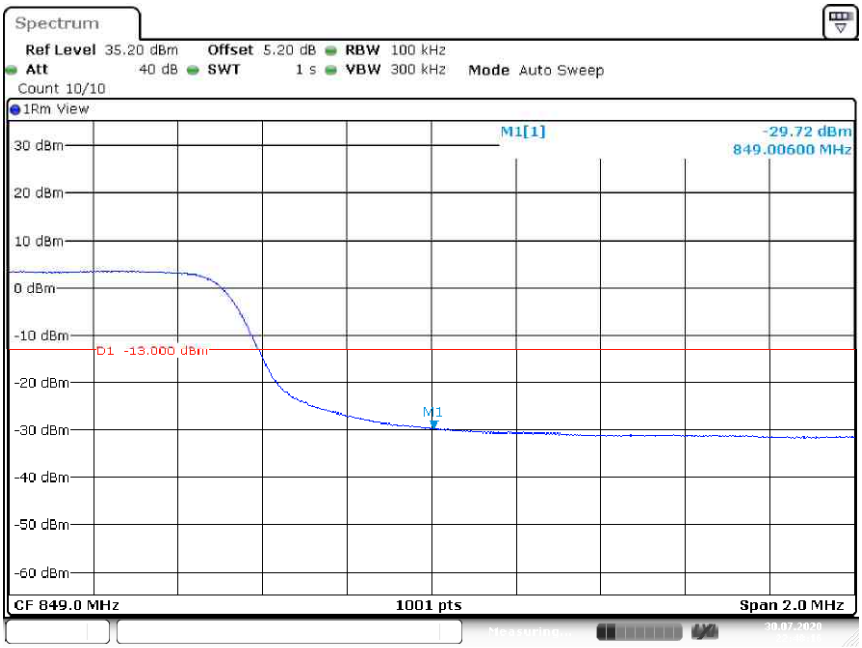
Band5-10MHz-16QAM-20600-50RB#0



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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.

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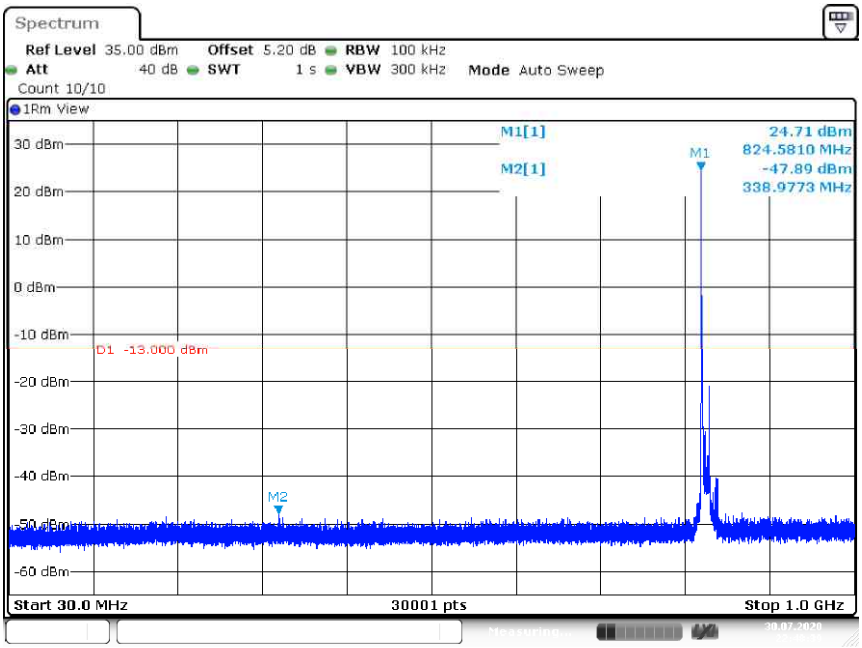
6.1. Test Plots

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



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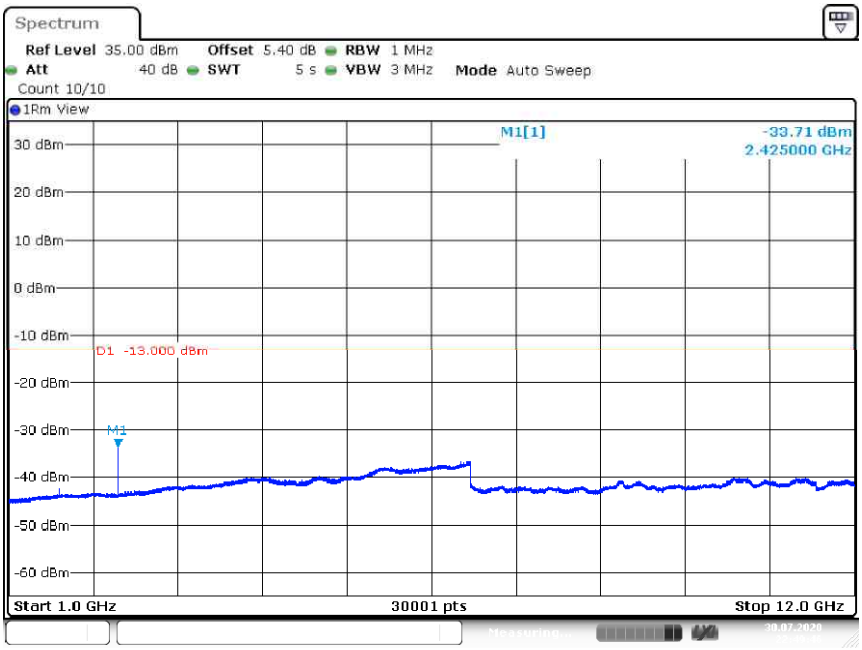
Band5-10MHz-QPSK-20450-1RB#0-Range2:1000~12000MHz



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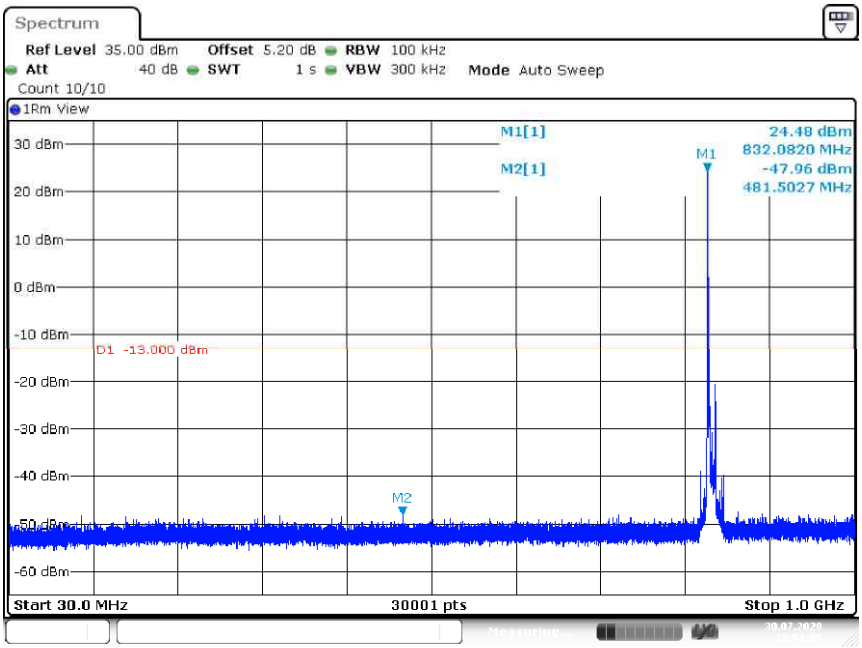
Band5-10MHz-QPSK-20525-1RB#0-Range1:30~1000MHz



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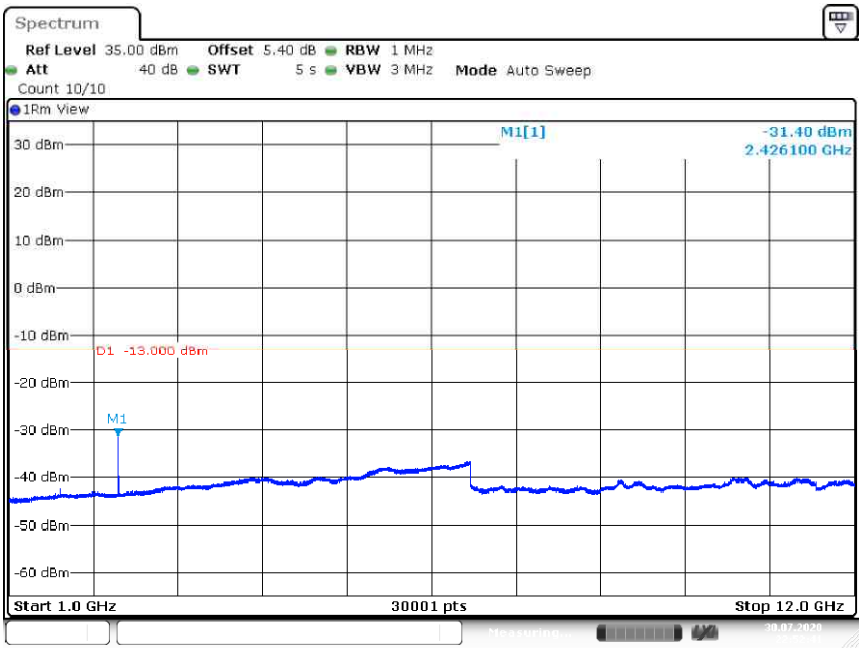
Band5-10MHz-QPSK-20525-1RB#0-Range2:1000~12000MHz



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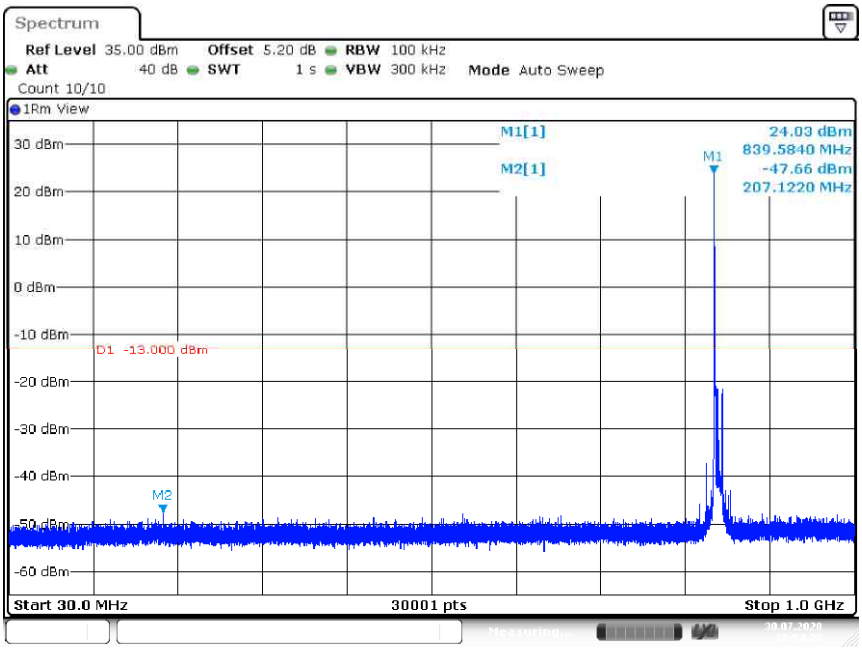
Band5-10MHz-QPSK-20600-1RB#0-Range1:30~1000MHz



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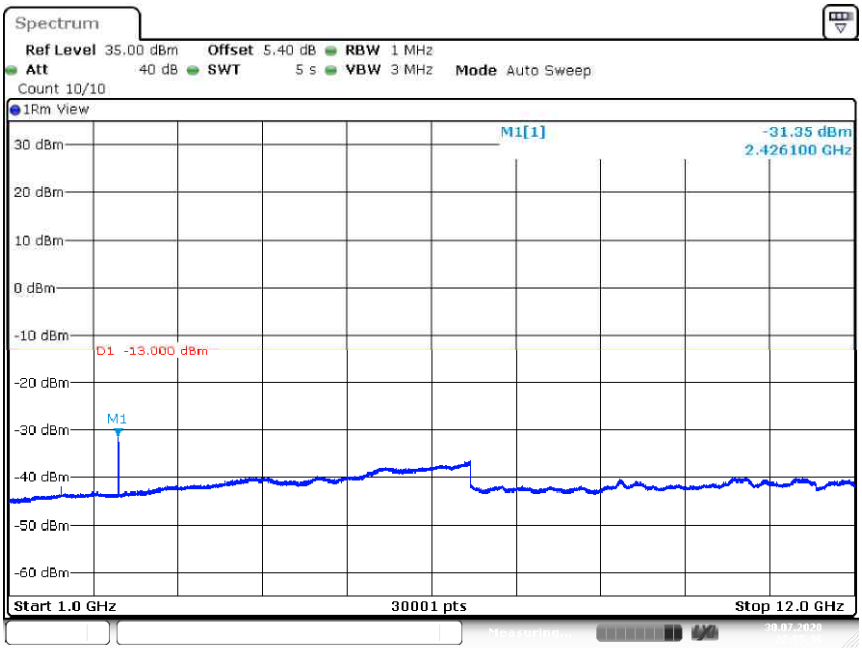
Band5-10MHz-QPSK-20600-1RB#0-Range2:1000~12000MHz



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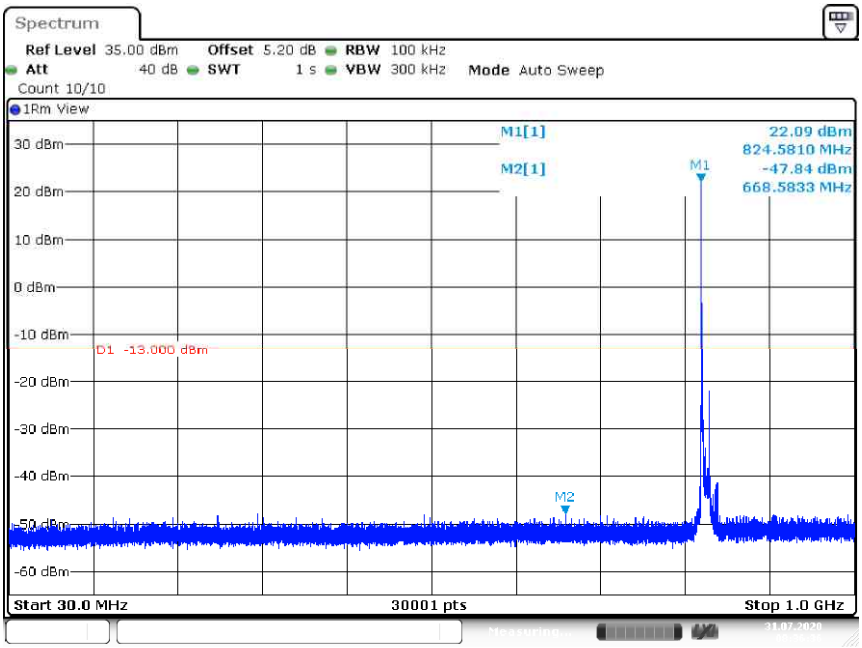
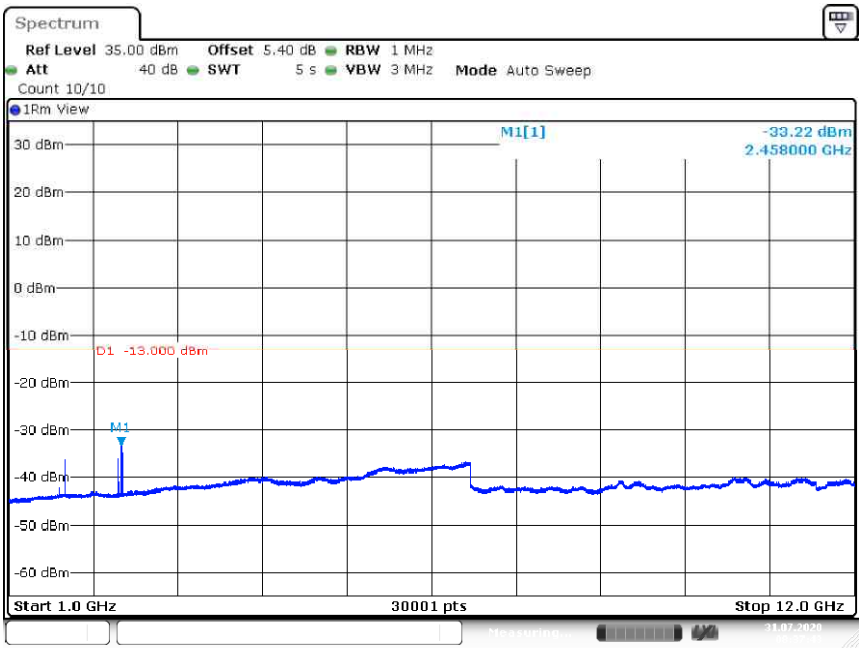
Band5-10MHz-64QAM-20450-1RB#0-Range1:30~1000MHz



Date: 31.JUL.2020 08:36:36

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



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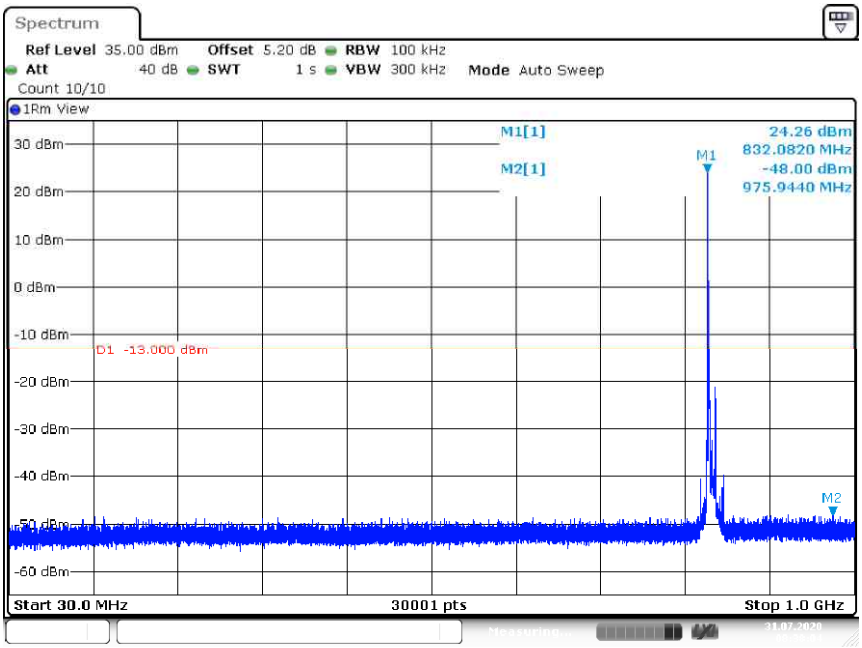
Band5-10MHz-64QAM-20525-1RB#0-Range1:30~1000MHz



Date: 31.JUL.2020 08:38:03

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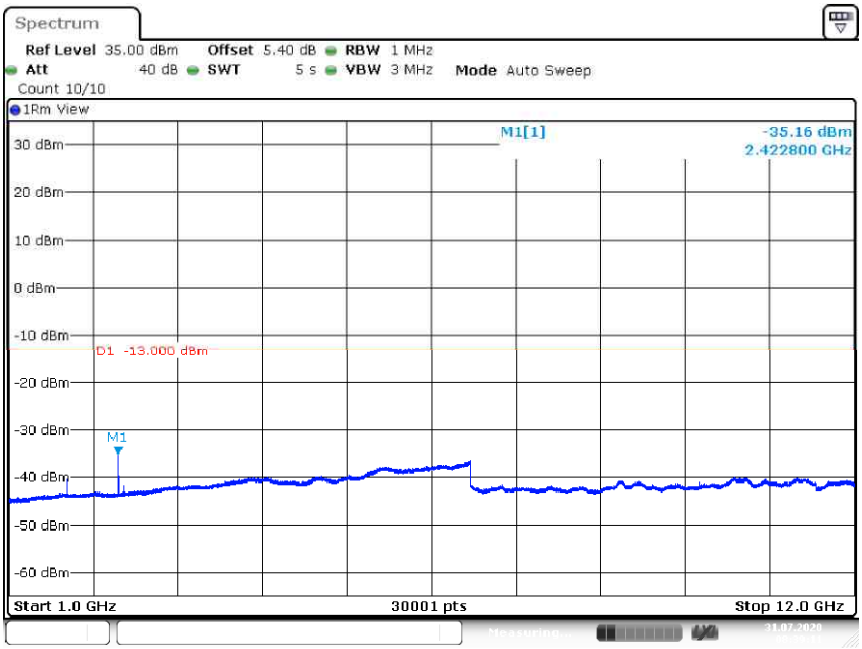

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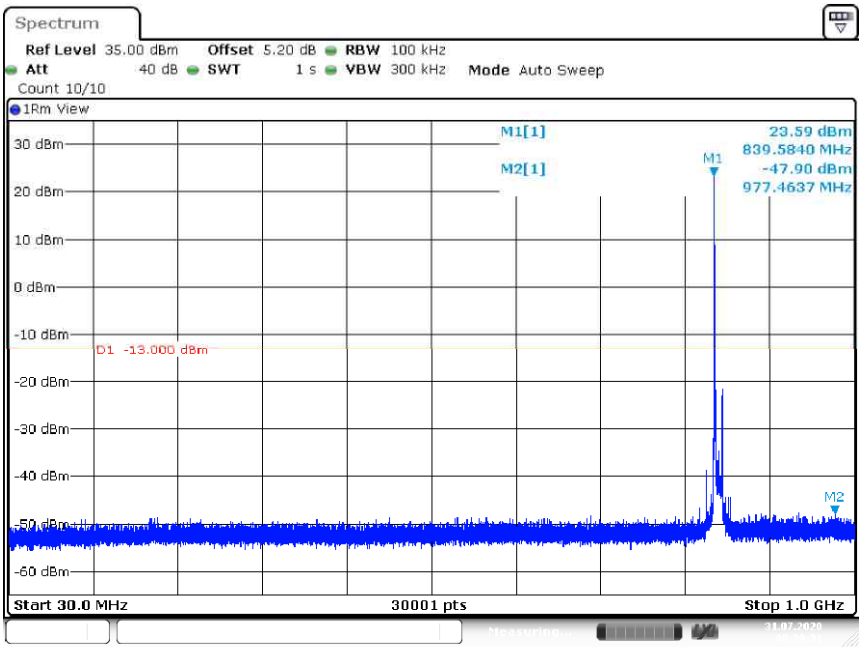
Band5-10MHz-64QAM-20600-1RB#0-Range1:30~1000MHz



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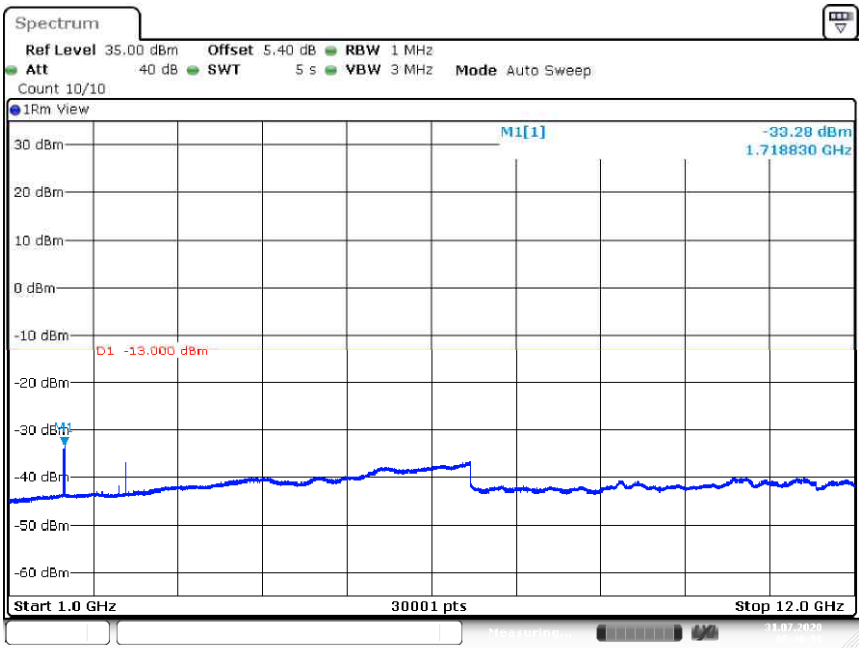
Band5-10MHz-64QAM-20600-1RB#0-Range2:1000~12000MHz



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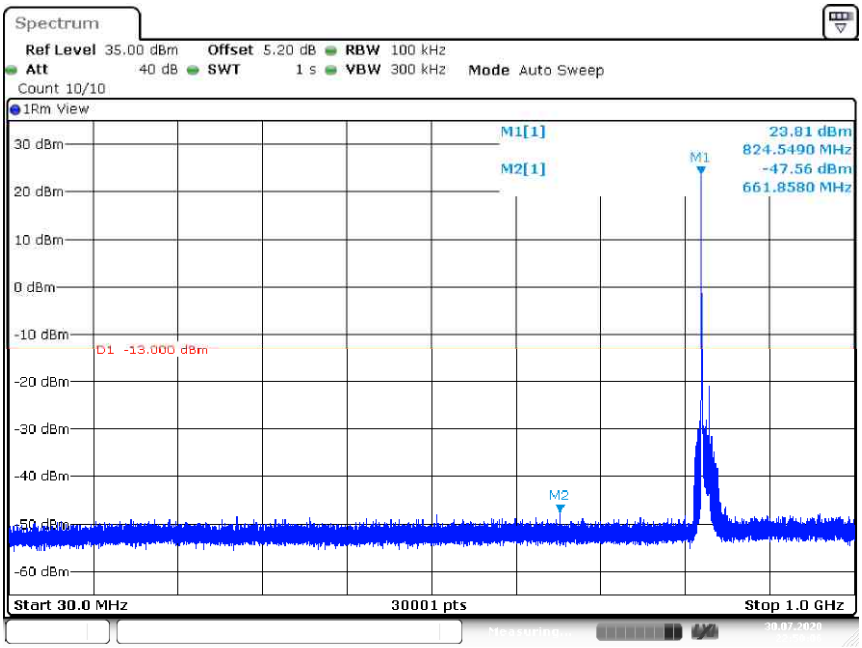
Band5-10MHz-16QAM-20450-1RB#0-Range1:30~1000MHz



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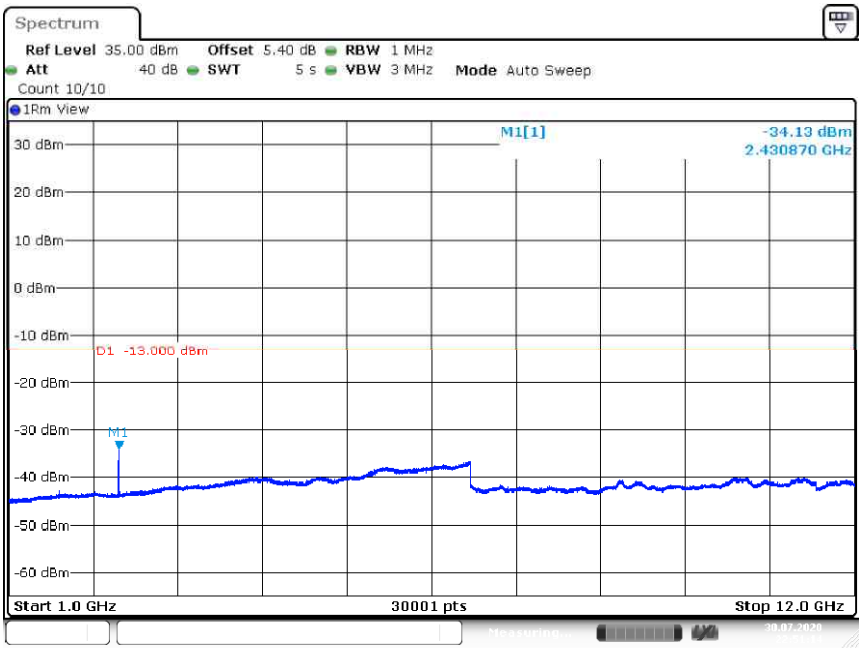
Band5-10MHz-16QAM-20450-1RB#0-Range2:1000~12000MHz



Date: 30.JUL.2020 22:51:15

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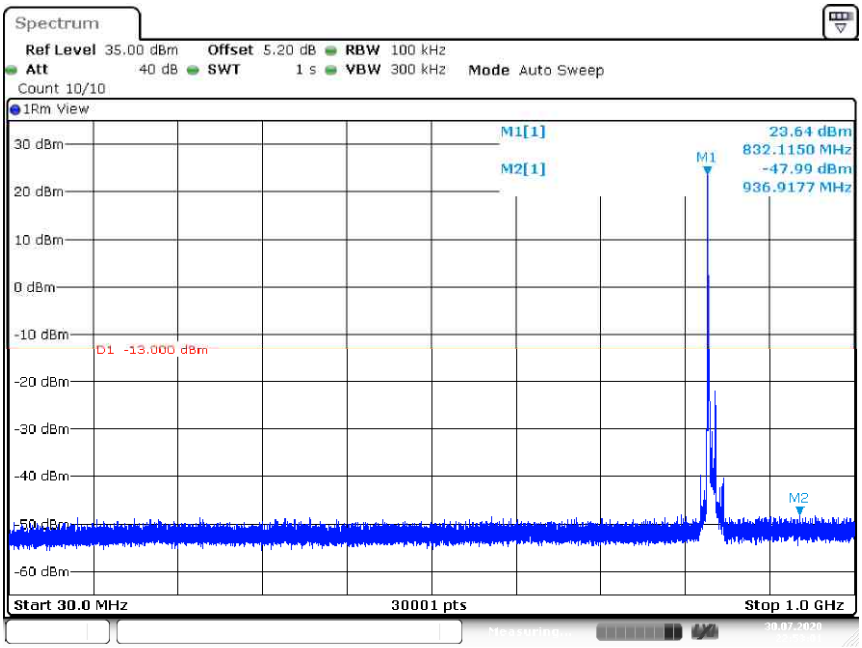
Band5-10MHz-16QAM-20525-1RB#0-Range1:30~1000MHz



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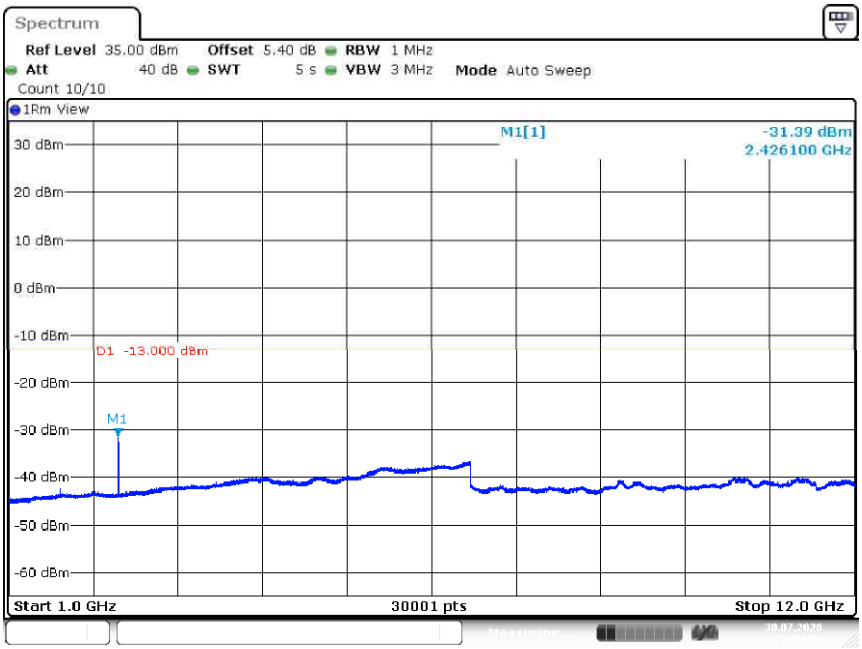
Band5-10MHz-16QAM-20525-1RB#0-Range2:1000~12000MHz



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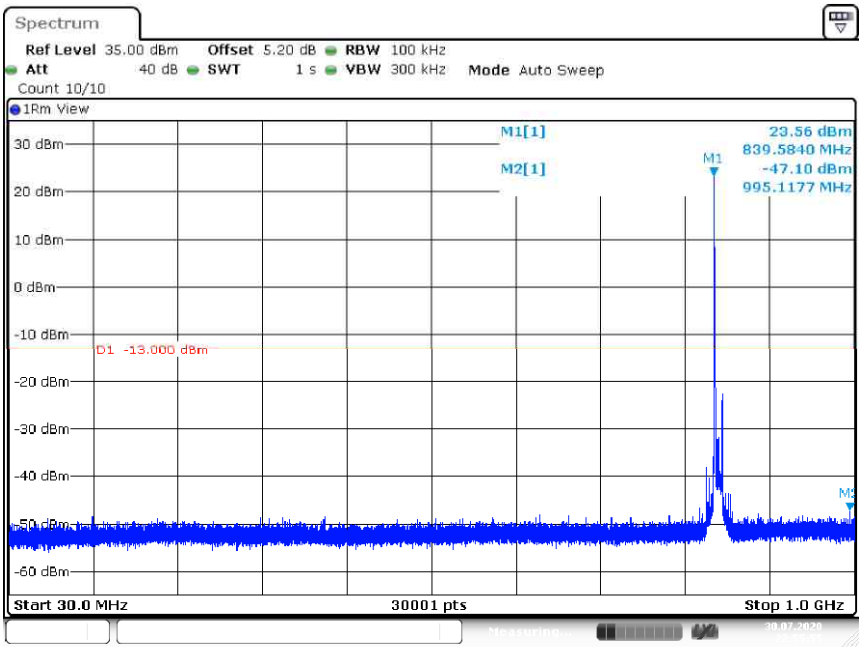

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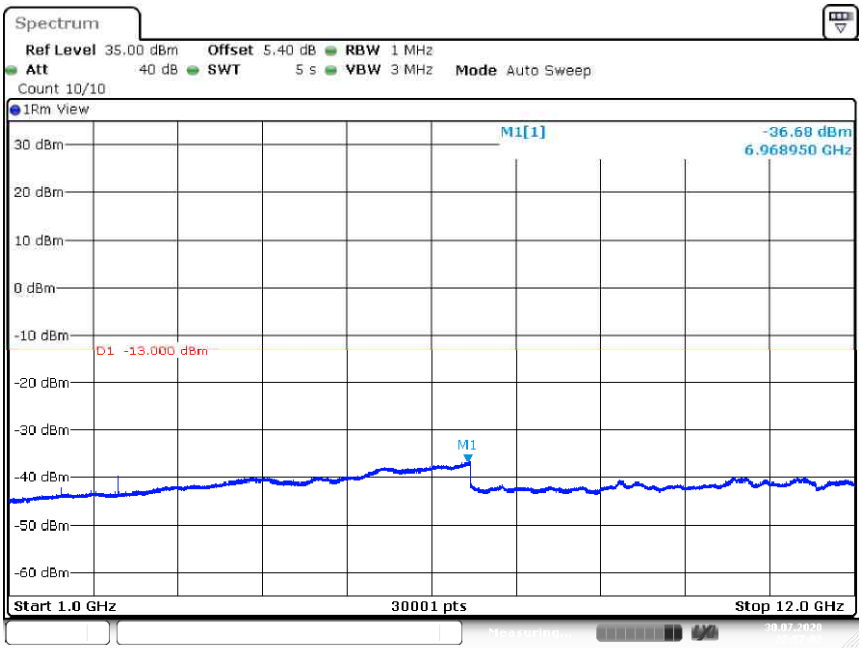

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7. Field Strength of Spurious Radiation

7.1. Test Mode =LTE/TM1 10MHz

7.1.1.Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
50.3710	-70.31	-13.00	57.31	Vertical
109.7380	-62.46	-13.00	49.46	Vertical
354.4327	-66.18	-13.00	53.18	Vertical
1864.5729	-61.58	-13.00	48.58	Vertical
2699.5399	-57.28	-13.00	44.28	Vertical
7997.3666	-55.01	-13.00	42.01	Vertical
45.2783	-62.66	-13.00	49.66	Horizontal
232.0126	-65.38	-13.00	52.38	Horizontal
475.5433	-64.51	-13.00	51.51	Horizontal
1500.1000	-64.75	-13.00	51.75	Horizontal
2478.2957	-56.43	-13.00	43.43	Horizontal
8022.5674	-55.81	-13.00	42.81	Horizontal

7.1.2.Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
49.0130	-71.63	-13.00	58.63	Vertical
110.1745	-61.93	-13.00	48.93	Vertical
471.6146	-64.27	-13.00	51.27	Vertical
1864.9730	-62.68	-13.00	49.68	Vertical
2407.4815	-57.30	-13.00	44.30	Vertical
45.1813	-62.87	-13.00	49.87	Vertical
236.2323	-65.37	-13.00	52.37	Horizontal
577.9319	-61.34	-13.00	48.34	Horizontal
1864.9730	-61.54	-13.00	48.54	Horizontal
2481.8964	-57.05	-13.00	44.05	Horizontal
7460.9487	-55.91	-13.00	42.91	Horizontal
45.1813	-62.87	-13.00	49.87	Horizontal

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7.1.3.Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
51.4381	-70.58	-13.00	57.58	Vertical
112.4056	-63.01	-13.00	50.01	Vertical
356.6638	-66.40	-13.00	53.40	Vertical
1699.7399	-63.00	-13.00	50.00	Vertical
2681.5363	-57.59	-13.00	44.59	Vertical
7447.3482	-55.10	-13.00	42.10	Vertical
42.1256	-62.90	-13.00	49.90	Horizontal
83.4982	-72.07	-13.00	59.07	Horizontal
242.6831	-65.34	-13.00	52.34	Horizontal
1864.9730	-61.50	-13.00	48.50	Horizontal
2700.3401	-56.08	-13.00	43.08	Horizontal
8034.1678	-55.35	-13.00	42.35	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 (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	10MHz	QPSK	20450	50RB#0	VL	NT	-1.90	-0.002292	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	VN	NT	-6.00	-0.007238	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	VH	NT	-5.70	-0.006876	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VL	NT	-5.30	-0.006336	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VN	NT	-6.30	-0.007531	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	-7.90	-0.009444	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VL	NT	-2.80	-0.003318	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VN	NT	-4.70	-0.005569	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VH	NT	-6.00	-0.007109	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	VL	NT	-1.50	-0.001809	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	VN	NT	-5.50	-0.006634	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	VH	NT	-1.30	-0.001568	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	VL	NT	-10.00	-0.011955	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	VN	NT	-7.80	-0.009325	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	VH	NT	-6.10	-0.007292	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	VL	NT	-2.00	-0.002370	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	VN	NT	-0.50	-0.000592	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	VH	NT	-7.70	-0.009123	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VL	NT	-3.80	-0.004584	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VN	NT	-3.90	-0.004704	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VH	NT	-5.50	-0.006634	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VL	NT	-7.40	-0.008846	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VN	NT	-10.30	-0.012313	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VH	NT	-1.90	-0.002271	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VL	NT	-5.20	-0.006161	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VN	NT	-5.00	-0.005924	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VH	NT	-6.10	-0.007227	±2.5	PASS

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8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	10MHz	QPSK	20450	50RB#0	NV	-30	-7.80	-0.009409	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-20	-7.40	-0.008926	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-10	-3.65	-0.004403	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	0	-0.70	-0.000844	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	10	-8.60	-0.010374	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	20	-2.90	-0.003498	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	30	-1.70	-0.002051	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	40	-2.70	-0.003257	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	50	-7.50	-0.009047	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-30	-6.50	-0.007770	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	-2.80	-0.003347	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-10	-6.66	-0.007962	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	-9.50	-0.011357	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	-2.60	-0.003108	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	-7.80	-0.009325	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	-5.30	-0.006336	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	-6.90	-0.008249	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	-8.50	-0.010161	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-30	-8.00	-0.009479	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-20	-4.40	-0.005213	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-10	-3.90	-0.004621	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	0	-2.80	-0.003318	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	10	-13.10	-0.015521	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	20	-8.80	-0.010427	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	30	-8.60	-0.010190	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	40	-3.00	-0.003555	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	50	-9.60	-0.011374	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	-30	-5.50	-0.006634	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	-20	-4.50	-0.005428	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	-10	-2.75	-0.003317	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	0	-2.10	-0.002533	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	10	-7.30	-0.008806	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	20	-8.20	-0.009891	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	30	-8.30	-0.010012	±2.5	PASS

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Band5	10MHz	64QAM	20450	50RB#0	NV	40	-2.30	-0.002774	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	50	-8.60	-0.010374	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	-30	-7.70	-0.009205	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	-20	-9.00	-0.010759	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	-10	-9.86	-0.011787	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	0	-8.20	-0.009803	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	10	-10.10	-0.012074	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	20	-5.90	-0.007053	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	30	-10.20	-0.012194	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	40	-6.80	-0.008129	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	50	-9.40	-0.011237	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	-30	-5.20	-0.006161	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	-20	-10.10	-0.011967	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	-10	-6.45	-0.007642	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	0	-1.50	-0.001777	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	10	-1.10	-0.001303	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	20	-10.30	-0.012204	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	30	-8.10	-0.009597	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	40	-6.30	-0.007464	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	50	-4.50	-0.005332	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	-30	-3.50	-0.004222	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	-20	-4.40	-0.005308	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	-10	-8.04	-0.009698	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	0	-14.10	-0.017008	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	10	-3.90	-0.004704	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	20	-3.90	-0.004704	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	30	-9.70	-0.011701	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	40	-8.00	-0.009650	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	50	-1.50	-0.001809	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	-30	-5.80	-0.006934	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	-20	-5.80	-0.006934	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	-10	-7.35	-0.008787	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	0	-5.60	-0.006695	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	10	-8.20	-0.009803	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	20	-7.10	-0.008488	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	30	-7.40	-0.008846	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	40	-3.60	-0.004304	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	50	-5.30	-0.006336	±2.5	PASS

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Band5	10MHz	16QAM	20600	50RB#0	NV	-30	-1.50	-0.001777	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	-20	-4.60	-0.005450	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	-10	-5.52	-0.006540	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	0	-6.50	-0.007701	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	10	-3.90	-0.004621	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	20	-5.30	-0.006280	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	30	-6.80	-0.008057	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	40	-2.20	-0.002607	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	50	-6.40	-0.007583	±2.5	PASS

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