

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).....	18
2.1. TEST RESULT	18
2.2. TEST PLOTS.....	18
3. MODULATION CHARACTERISTICS	22
3.1. TEST BAND = LTE BAND 5	22
3.2. TEST MODE = LTE /TM1 10MHZ.....	22
3.2.1. TEST CHANNEL = MCH.....	22
3.3. TEST MODE = LTE /TM2 10MHZ.....	23
3.3.1. TEST CHANNEL = MCH.....	23
3.4. TEST MODE = LTE /TM3 10MHZ.....	24
3.4.1. TEST CHANNEL = MCH.....	24
4. 26DB BANDWIDTH AND OCCUPIED BANDWIDTH	25
4.1. TEST RESULT	25
4.2. TEST PLOTS.....	26
5. BAND EDGE COMPLIANCE	44
5.1. TEST PLOTS.....	44
6. SPURIOUS EMISSION AT ANTENNA TERMINAL	68
6.1. TEST PLOTS.....	68
7. FIELD STRENGTH OF SPURIOUS RADIATION.....	76
7.1. MAIN ANTENNA	76
7.1.1. TEST BAND = LTE BAND 5	76
7.1.1.1. TEST MODE =LTE/TM1 10MHZ.....	76
7.1.1.1.1. TEST CHANNEL = LCH	76
7.1.1.1.1.1. HORIZONTAL	77
7.1.1.1.1.2. VERTICAL	78
7.1.1.1.2. TEST CHANNEL = MCH.....	79



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7.1.1.1.2.1. HORIZONTAL 79

7.1.1.1.2.2. VERTICAL 80

7.1.1.1.3. TEST CHANNEL = HCH 81

7.1.1.1.3.1. HORIZONTAL 81

7.1.1.1.3.2. VERTICAL 82

7.2. SECONDARY ANTENNA 83

7.2.1. TEST BAND = LTE BAND 5 83

7.2.1.1. TEST MODE =LTE/TM1 10MHZ..... 83

7.2.1.1.1. TEST CHANNEL = LCH 83

7.2.1.1.1.1. HORIZONTAL 83

7.2.1.1.1.2. VERTICAL 84

7.2.1.1.2. TEST CHANNEL = MCH..... 85

7.2.1.1.2.1. HORIZONTAL 85

7.2.1.1.2.2. VERTICAL 86

7.2.1.1.3. TEST CHANNEL = HCH 87

7.2.1.1.3.1. HORIZONTAL 87

7.2.1.1.3.2. VERTICAL 88

8. FREQUENCY STABILITY89

8.1. FREQUENCY VS VOLTAGE 89

8.2. FREQUENCY VS TEMPERATURE 89



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1. Effective (Isotropic) Radiated Power

1.1. Test Result

Main Antenna

BAND	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	ERP (dBm)	limit (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.81	14.86	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.77	14.82	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.92	14.97	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	23.93	14.98	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	23.85	14.90	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	23.77	14.82	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.80	13.85	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.89	14.94	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.81	14.86	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.82	14.87	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	23.82	14.87	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	23.82	14.87	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	23.81	14.86	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.87	13.92	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.92	14.97	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.83	14.88	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.79	14.84	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	23.78	14.83	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	23.71	14.76	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	23.76	14.81	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.82	13.87	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	21.98	13.03	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#2	21.96	13.01	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#5	22.08	13.13	38.45	PASS
Band5	1.4MHz	64QAM	20407	3RB#0	21.81	12.86	38.45	PASS
Band5	1.4MHz	64QAM	20407	3RB#1	22.00	13.05	38.45	PASS
Band5	1.4MHz	64QAM	20407	3RB#3	21.94	12.99	38.45	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	20.90	11.95	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	21.98	13.03	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#2	21.89	12.94	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#5	21.94	12.99	38.45	PASS



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Band5	1.4MHz	64QAM	20525	3RB#0	21.92	12.97	38.45	PASS
Band5	1.4MHz	64QAM	20525	3RB#1	21.90	12.95	38.45	PASS
Band5	1.4MHz	64QAM	20525	3RB#3	21.89	12.94	38.45	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	20.78	11.83	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	22.04	13.09	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#2	21.91	12.96	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#5	21.98	13.03	38.45	PASS
Band5	1.4MHz	64QAM	20643	3RB#0	21.98	13.03	38.45	PASS
Band5	1.4MHz	64QAM	20643	3RB#1	21.90	12.95	38.45	PASS
Band5	1.4MHz	64QAM	20643	3RB#3	21.89	12.94	38.45	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	20.84	11.89	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	23.05	14.10	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	23.00	14.05	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	23.21	14.26	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	22.91	13.96	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	23.04	14.09	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	22.98	14.03	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.89	12.94	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	23.08	14.13	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	23.03	14.08	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	23.12	14.17	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	22.99	14.04	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	22.96	14.01	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	22.98	14.03	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.78	12.83	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	23.15	14.20	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.84	13.89	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	23.08	14.13	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	23.01	14.06	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	22.96	14.01	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	22.96	14.01	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.72	12.77	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.96	15.01	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.94	14.99	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.79	14.84	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#0	22.81	13.86	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#4	22.76	13.81	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#7	22.81	13.86	38.45	PASS



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Band5	3MHz	QPSK	20415	15RB#0	22.85	13.90	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.91	14.96	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.87	14.92	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.83	14.88	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#0	22.89	13.94	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#4	22.90	13.95	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.82	13.87	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.86	13.91	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.76	14.81	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.79	14.84	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.85	14.9	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#0	22.97	14.02	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#4	22.89	13.94	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.77	13.82	38.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.90	13.95	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#0	22.06	13.11	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#8	21.92	12.97	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#14	21.95	13.00	38.45	PASS
Band5	3MHz	64QAM	20415	8RB#0	20.77	11.82	38.45	PASS
Band5	3MHz	64QAM	20415	8RB#4	20.75	11.80	38.45	PASS
Band5	3MHz	64QAM	20415	8RB#7	20.80	11.85	38.45	PASS
Band5	3MHz	64QAM	20415	15RB#0	20.80	11.85	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#0	22.04	13.09	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#8	22.01	13.06	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#14	21.92	12.97	38.45	PASS
Band5	3MHz	64QAM	20525	8RB#0	20.81	11.86	38.45	PASS
Band5	3MHz	64QAM	20525	8RB#4	20.80	11.85	38.45	PASS
Band5	3MHz	64QAM	20525	8RB#7	20.87	11.92	38.45	PASS
Band5	3MHz	64QAM	20525	15RB#0	20.82	11.87	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#0	21.81	12.86	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#8	21.92	12.97	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#14	21.93	12.98	38.45	PASS
Band5	3MHz	64QAM	20635	8RB#0	20.86	11.91	38.45	PASS
Band5	3MHz	64QAM	20635	8RB#4	20.74	11.79	38.45	PASS
Band5	3MHz	64QAM	20635	8RB#7	20.87	11.92	38.45	PASS
Band5	3MHz	64QAM	20635	15RB#0	20.79	11.84	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	23.08	14.13	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.96	14.01	38.45	PASS



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Band5	3MHz	16QAM	20415	1RB#14	23.00	14.05	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#0	21.80	12.85	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#4	21.80	12.85	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#7	21.85	12.90	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.78	12.83	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	23.16	14.21	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	23.07	14.12	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	23.07	14.12	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#0	21.85	12.90	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#4	21.83	12.88	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#7	21.90	12.95	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.81	12.86	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.95	14.00	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	23.07	14.12	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.97	14.02	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#0	21.88	12.93	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#4	21.76	12.81	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#7	21.91	12.96	38.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.81	12.86	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.83	14.88	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.76	14.81	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.77	14.82	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#0	22.86	13.91	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#6	22.87	13.92	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#13	22.86	13.91	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.83	13.88	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.80	14.85	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.60	14.65	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.86	14.91	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.89	13.94	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.87	13.92	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.86	13.91	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.87	13.92	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.76	14.81	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.57	14.62	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.85	14.90	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#0	22.99	14.04	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#6	22.82	13.87	38.45	PASS



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Band5	5MHz	QPSK	20625	25RB#0	22.79	13.84	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#0	21.99	13.04	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#12	21.88	12.93	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#24	21.79	12.84	38.45	PASS
Band5	5MHz	64QAM	20425	12RB#0	20.75	11.80	38.45	PASS
Band5	5MHz	64QAM	20425	12RB#6	20.81	11.86	38.45	PASS
Band5	5MHz	64QAM	20425	12RB#13	20.82	11.87	38.45	PASS
Band5	5MHz	64QAM	20425	25RB#0	20.77	11.82	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#0	21.87	12.92	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#12	21.91	12.96	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#24	21.95	13.00	38.45	PASS
Band5	5MHz	64QAM	20525	12RB#0	20.83	11.88	38.45	PASS
Band5	5MHz	64QAM	20525	12RB#6	20.81	11.86	38.45	PASS
Band5	5MHz	64QAM	20525	12RB#13	20.75	11.80	38.45	PASS
Band5	5MHz	64QAM	20525	25RB#0	20.80	11.85	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#0	21.78	12.83	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#12	21.91	12.96	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#24	21.86	12.91	38.45	PASS
Band5	5MHz	64QAM	20625	12RB#0	20.96	12.01	38.45	PASS
Band5	5MHz	64QAM	20625	12RB#6	20.77	11.82	38.45	PASS
Band5	5MHz	64QAM	20625	12RB#13	20.84	11.89	38.45	PASS
Band5	5MHz	64QAM	20625	25RB#0	20.76	11.81	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	23.06	14.11	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.98	14.03	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	23.03	14.08	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#0	21.78	12.83	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#6	21.82	12.87	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#13	21.82	12.87	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.74	12.79	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	23.01	14.06	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	23.00	14.05	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	23.05	14.10	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#0	21.82	12.87	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#6	21.84	12.89	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#13	21.76	12.81	38.45	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.77	12.82	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	23.02	14.07	38.45	PASS



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Band5	5MHz	16QAM	20625	1RB#12	22.97	14.02	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.98	14.03	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#0	21.93	12.98	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#6	21.77	12.82	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#13	21.85	12.90	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.74	12.79	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.80	14.85	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.83	14.88	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.78	14.83	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.92	13.97	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#12	22.82	13.87	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.71	13.76	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.83	13.88	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.77	14.82	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.59	14.64	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.84	14.89	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.91	13.96	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.85	13.90	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.91	13.96	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.84	13.89	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.96	15.01	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.72	14.77	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.24	14.29	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.89	13.94	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.91	13.96	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#25	22.83	13.88	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.95	14.00	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#0	21.87	12.92	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#24	21.67	12.72	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#49	21.76	12.81	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#0	20.78	11.83	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#12	20.79	11.84	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#25	20.83	11.88	38.45	PASS
Band5	10MHz	64QAM	20450	50RB#0	20.74	11.79	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#0	21.84	12.89	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#24	21.54	12.59	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#49	21.87	12.92	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#0	20.80	11.85	38.45	PASS



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Band5	10MHz	64QAM	20525	25RB#12	20.82	11.87	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#25	20.76	11.81	38.45	PASS
Band5	10MHz	64QAM	20525	50RB#0	20.78	11.83	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#0	21.95	13	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#24	21.84	12.89	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#49	21.23	12.28	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#0	20.78	11.83	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#12	20.75	11.8	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#25	20.70	11.75	38.45	PASS
Band5	10MHz	64QAM	20600	50RB#0	20.86	11.91	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	23.03	14.08	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.80	13.85	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.93	13.98	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.74	12.79	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#12	21.76	12.81	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.79	12.84	38.45	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.73	12.78	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.94	13.99	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.72	13.77	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	23.02	14.07	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.75	12.8	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#12	21.80	12.85	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#25	21.73	12.78	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.77	12.82	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	23.17	14.22	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.88	13.93	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.43	13.48	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#0	21.75	12.8	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#12	21.77	12.82	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#25	21.78	12.83	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.90	12.95	38.45	PASS

Secondary Antenna

BAND	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	ERP (dBm)	limit (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	24.15	18.4	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	24.00	18.25	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	24.21	18.46	38.45	PASS



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Band5	1.4MHz	QPSK	20407	3RB#0	24.08	18.33	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	24.22	18.47	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	24.20	18.45	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	23.09	17.34	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	24.22	18.47	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	24.11	18.36	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	24.00	18.25	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	24.10	18.35	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	24.13	18.38	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	24.28	18.53	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	23.30	17.55	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	24.14	18.39	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	24.11	18.36	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	24.30	18.55	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	24.10	18.35	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	24.20	18.45	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	24.17	18.42	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	23.26	17.51	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	22.33	16.58	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#2	22.21	16.46	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#5	22.33	16.58	38.45	PASS
Band5	1.4MHz	64QAM	20407	3RB#0	21.94	16.19	38.45	PASS
Band5	1.4MHz	64QAM	20407	3RB#1	21.99	16.24	38.45	PASS
Band5	1.4MHz	64QAM	20407	3RB#3	22.05	16.30	38.45	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	20.90	15.15	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	22.19	16.44	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#2	22.03	16.28	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#5	22.33	16.58	38.45	PASS
Band5	1.4MHz	64QAM	20525	3RB#0	22.03	16.28	38.45	PASS
Band5	1.4MHz	64QAM	20525	3RB#1	22.19	16.44	38.45	PASS
Band5	1.4MHz	64QAM	20525	3RB#3	22.42	16.67	38.45	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	21.19	15.44	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	22.17	16.42	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#2	22.05	16.30	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#5	22.18	16.43	38.45	PASS
Band5	1.4MHz	64QAM	20643	3RB#0	22.18	16.43	38.45	PASS
Band5	1.4MHz	64QAM	20643	3RB#1	21.94	16.19	38.45	PASS
Band5	1.4MHz	64QAM	20643	3RB#3	22.03	16.28	38.45	PASS



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Band5	1.4MHz	64QAM	20643	6RB#0	21.04	15.29	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	23.29	17.54	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	23.33	17.58	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	23.35	17.60	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	23.02	17.27	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	22.97	17.22	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	23.24	17.49	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	22.41	16.66	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	23.71	17.96	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	23.26	17.51	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	23.72	17.97	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	22.89	17.14	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	23.05	17.30	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	23.18	17.43	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	22.15	16.40	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	23.56	17.81	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	23.20	17.45	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	23.65	17.9	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	23.22	17.47	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	23.10	17.35	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	23.31	17.56	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	22.16	16.41	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	24.18	18.43	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	24.22	18.47	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	24.20	18.45	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#0	23.25	17.50	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#4	23.50	17.75	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#7	23.38	17.63	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	23.40	17.65	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	24.28	18.53	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	24.31	18.56	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	24.30	18.55	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#0	23.23	17.48	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#4	23.42	17.67	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#7	23.54	17.79	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	23.40	17.65	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	24.21	18.46	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	24.23	18.48	38.45	PASS



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Band5	3MHz	QPSK	20635	1RB#14	24.31	18.56	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#0	23.30	17.55	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#4	23.40	17.65	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#7	23.32	17.57	38.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	23.39	17.64	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#0	22.42	16.67	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#8	22.57	16.82	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#14	22.44	16.69	38.45	PASS
Band5	3MHz	64QAM	20415	8RB#0	21.29	15.54	38.45	PASS
Band5	3MHz	64QAM	20415	8RB#4	21.18	15.43	38.45	PASS
Band5	3MHz	64QAM	20415	8RB#7	21.22	15.47	38.45	PASS
Band5	3MHz	64QAM	20415	15RB#0	21.33	15.58	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#0	22.02	16.27	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#8	22.48	16.73	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#14	22.62	16.87	38.45	PASS
Band5	3MHz	64QAM	20525	8RB#0	21.27	15.52	38.45	PASS
Band5	3MHz	64QAM	20525	8RB#4	21.09	15.34	38.45	PASS
Band5	3MHz	64QAM	20525	8RB#7	21.03	15.28	38.45	PASS
Band5	3MHz	64QAM	20525	15RB#0	21.25	15.50	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#0	22.35	16.60	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#8	22.27	16.52	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#14	22.36	16.61	38.45	PASS
Band5	3MHz	64QAM	20635	8RB#0	21.24	15.49	38.45	PASS
Band5	3MHz	64QAM	20635	8RB#4	21.24	15.49	38.45	PASS
Band5	3MHz	64QAM	20635	8RB#7	21.39	15.64	38.45	PASS
Band5	3MHz	64QAM	20635	15RB#0	21.27	15.52	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	23.76	18.01	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	23.43	17.68	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	23.30	17.55	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#0	22.20	16.45	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#4	22.47	16.72	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#7	22.23	16.48	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	22.24	16.49	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	23.83	18.08	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	23.60	17.85	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	24.06	18.31	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#0	22.38	16.63	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#4	22.43	16.68	38.45	PASS



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Band5	3MHz	16QAM	20525	8RB#7	22.44	16.69	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	22.37	16.62	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	23.34	17.59	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	23.70	17.95	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	23.87	18.12	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#0	22.37	16.62	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#4	22.53	16.78	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#7	22.45	16.7	38.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	22.26	16.51	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	24.11	18.36	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	24.26	18.51	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	24.03	18.28	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#0	23.23	17.48	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#6	23.14	17.39	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#13	23.24	17.49	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	23.15	17.4	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	24.02	18.27	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	24.12	18.37	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	24.15	18.4	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#0	23.15	17.4	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#6	23.16	17.41	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#13	23.08	17.33	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	23.24	17.49	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.99	18.24	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	24.27	18.52	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.89	18.14	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#0	23.11	17.36	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#6	23.15	17.4	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#13	23.01	17.26	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	23.07	17.32	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#0	21.99	16.24	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#12	22.29	16.54	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#24	22.24	16.49	38.45	PASS
Band5	5MHz	64QAM	20425	12RB#0	21.15	15.4	38.45	PASS
Band5	5MHz	64QAM	20425	12RB#6	21.11	15.36	38.45	PASS
Band5	5MHz	64QAM	20425	12RB#13	21.18	15.43	38.45	PASS
Band5	5MHz	64QAM	20425	25RB#0	21.10	15.35	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#0	21.75	16	38.45	PASS



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Band5	5MHz	64QAM	20525	1RB#12	22.44	16.69	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#24	22.18	16.43	38.45	PASS
Band5	5MHz	64QAM	20525	12RB#0	21.06	15.31	38.45	PASS
Band5	5MHz	64QAM	20525	12RB#6	21.21	15.46	38.45	PASS
Band5	5MHz	64QAM	20525	12RB#13	21.00	15.25	38.45	PASS
Band5	5MHz	64QAM	20525	25RB#0	20.97	15.22	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#0	22.02	16.27	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#12	21.89	16.14	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#24	22.23	16.48	38.45	PASS
Band5	5MHz	64QAM	20625	12RB#0	21.04	15.29	38.45	PASS
Band5	5MHz	64QAM	20625	12RB#6	21.19	15.44	38.45	PASS
Band5	5MHz	64QAM	20625	12RB#13	21.21	15.46	38.45	PASS
Band5	5MHz	64QAM	20625	25RB#0	21.06	15.31	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	23.63	17.88	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	23.21	17.46	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	23.25	17.5	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#0	22.09	16.34	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#6	22.07	16.32	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#13	22.06	16.31	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	22.07	16.32	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	23.58	17.83	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	23.14	17.39	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	23.15	17.4	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#0	22.22	16.47	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#6	22.19	16.44	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#13	22.11	16.36	38.45	PASS
Band5	5MHz	16QAM	20525	25RB#0	22.21	16.46	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	23.54	17.79	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	23.44	17.69	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	23.30	17.55	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#0	22.27	16.52	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#6	22.18	16.43	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#13	22.01	16.26	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	22.14	16.39	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	24.09	18.34	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.97	18.22	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	24.32	18.57	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#0	23.15	17.4	38.45	PASS



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Band5	10MHz	QPSK	20450	25RB#12	23.12	17.37	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#25	23.00	17.25	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	23.14	17.39	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	24.32	18.57	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.88	18.13	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	24.18	18.43	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#0	23.09	17.34	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#12	23.11	17.36	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#25	23.20	17.45	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	23.15	17.4	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	24.02	18.27	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	24.10	18.35	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.76	18.01	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#0	23.11	17.36	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#12	23.08	17.33	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#25	23.14	17.39	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	23.15	17.4	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#0	22.33	16.58	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#24	22.15	16.4	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#49	22.27	16.52	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#0	21.19	15.44	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#12	20.96	15.21	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#25	21.14	15.39	38.45	PASS
Band5	10MHz	64QAM	20450	50RB#0	21.07	15.32	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#0	22.43	16.68	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#24	21.93	16.18	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#49	22.41	16.66	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#0	20.98	15.23	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#12	21.02	15.27	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#25	21.07	15.32	38.45	PASS
Band5	10MHz	64QAM	20525	50RB#0	20.98	15.23	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#0	22.39	16.64	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#24	22.26	16.51	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#49	21.89	16.14	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#0	21.06	15.31	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#12	20.97	15.22	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#25	21.09	15.34	38.45	PASS
Band5	10MHz	64QAM	20600	50RB#0	21.05	15.3	38.45	PASS



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Band5	10MHz	16QAM	20450	1RB#0	23.44	17.69	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	23.41	17.66	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	23.71	17.96	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#0	22.07	16.32	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#12	21.99	16.24	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#25	22.04	16.29	38.45	PASS
Band5	10MHz	16QAM	20450	50RB#0	22.06	16.31	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	23.42	17.67	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	23.09	17.34	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	23.60	17.85	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#0	22.07	16.32	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#12	22.08	16.33	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#25	22.22	16.47	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	22.10	16.35	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	23.28	17.53	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	23.32	17.57	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	23.12	17.37	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#0	22.03	16.28	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#12	22.01	16.26	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#25	22.10	16.35	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	22.05	16.3	38.45	PASS

Remark:

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

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

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



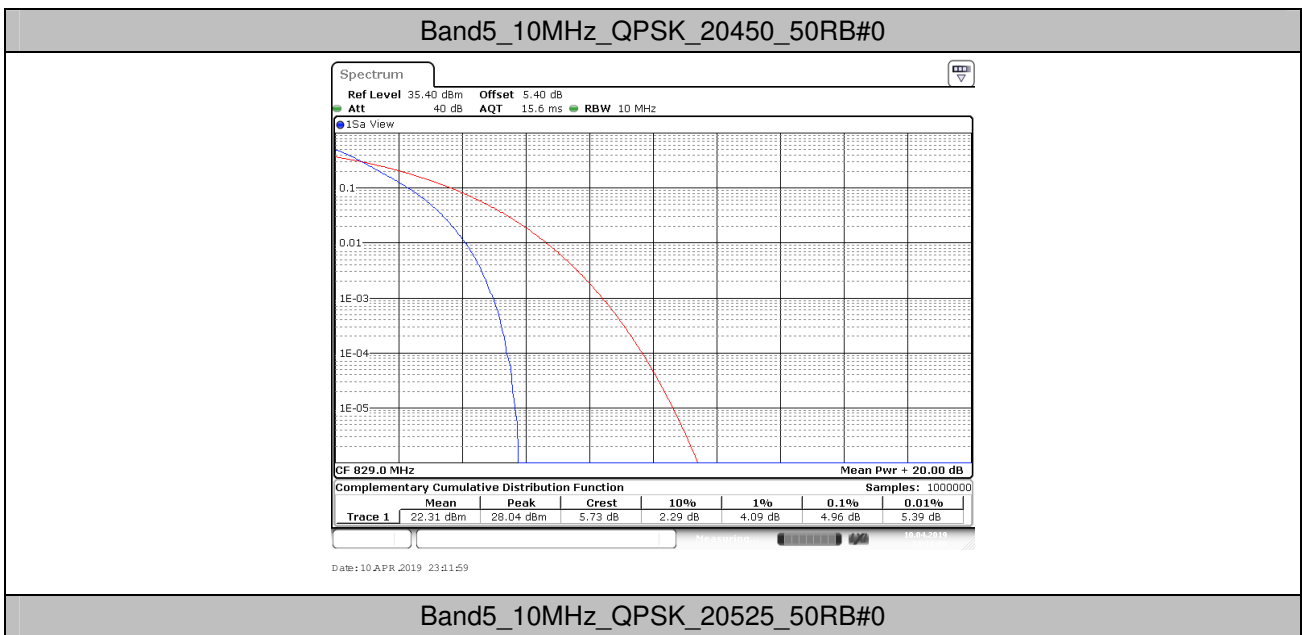
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2. Peak-to-Average Ratio(CCDF)

2.1. Test Result

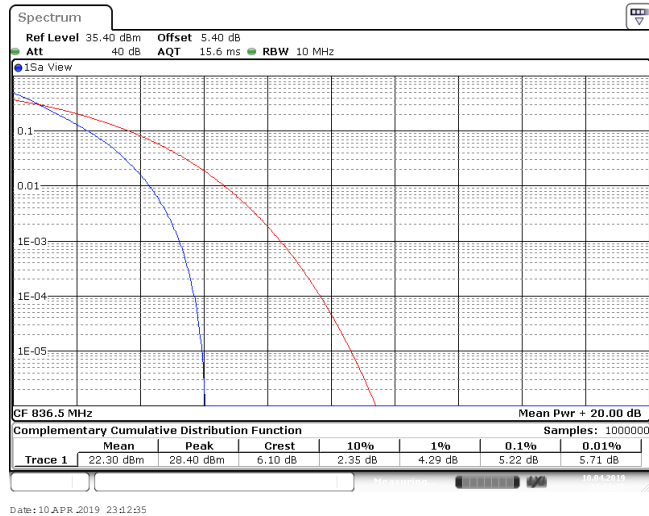
BAND	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	10MHz	QPSK	20450	50RB#0	4.96	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.22	13	PASS
Band5	10MHz	64QAM	20450	50RB#0	5.97	13	PASS
Band5	10MHz	64QAM	20525	50RB#0	6.12	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	5.94	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.09	13	PASS

2.2. Test Plots



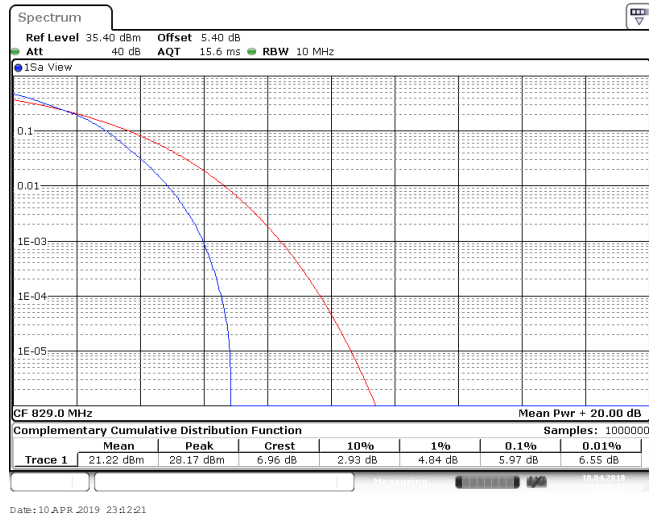
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Date: 10 APR. 2019 23:42:35

Band5_10MHz_64QAM_20450_50RB#0



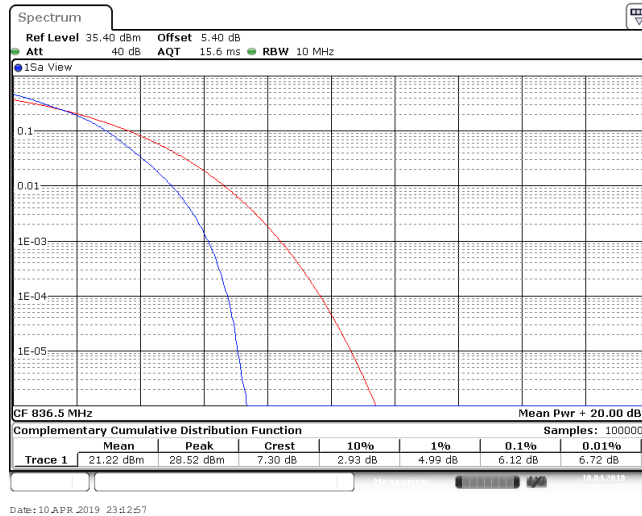
Date: 10 APR. 2019 23:42:21

Band5_10MHz_64QAM_20525_50RB#0



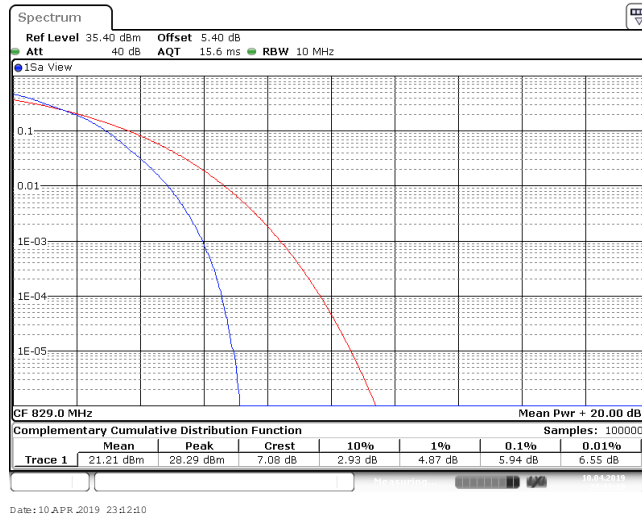
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Date: 10.APR.2019 23:42:57

Band5_10MHz_16QAM_20450_50RB#0



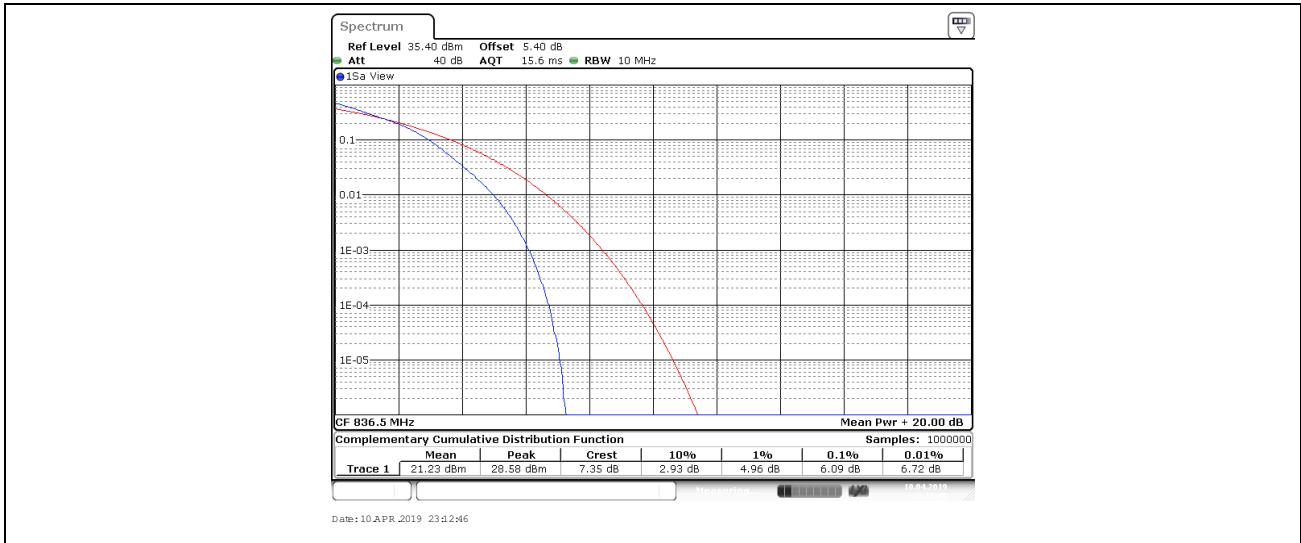
Date: 10.APR.2019 23:42:10

Band5_10MHz_16QAM_20525_50RB#0



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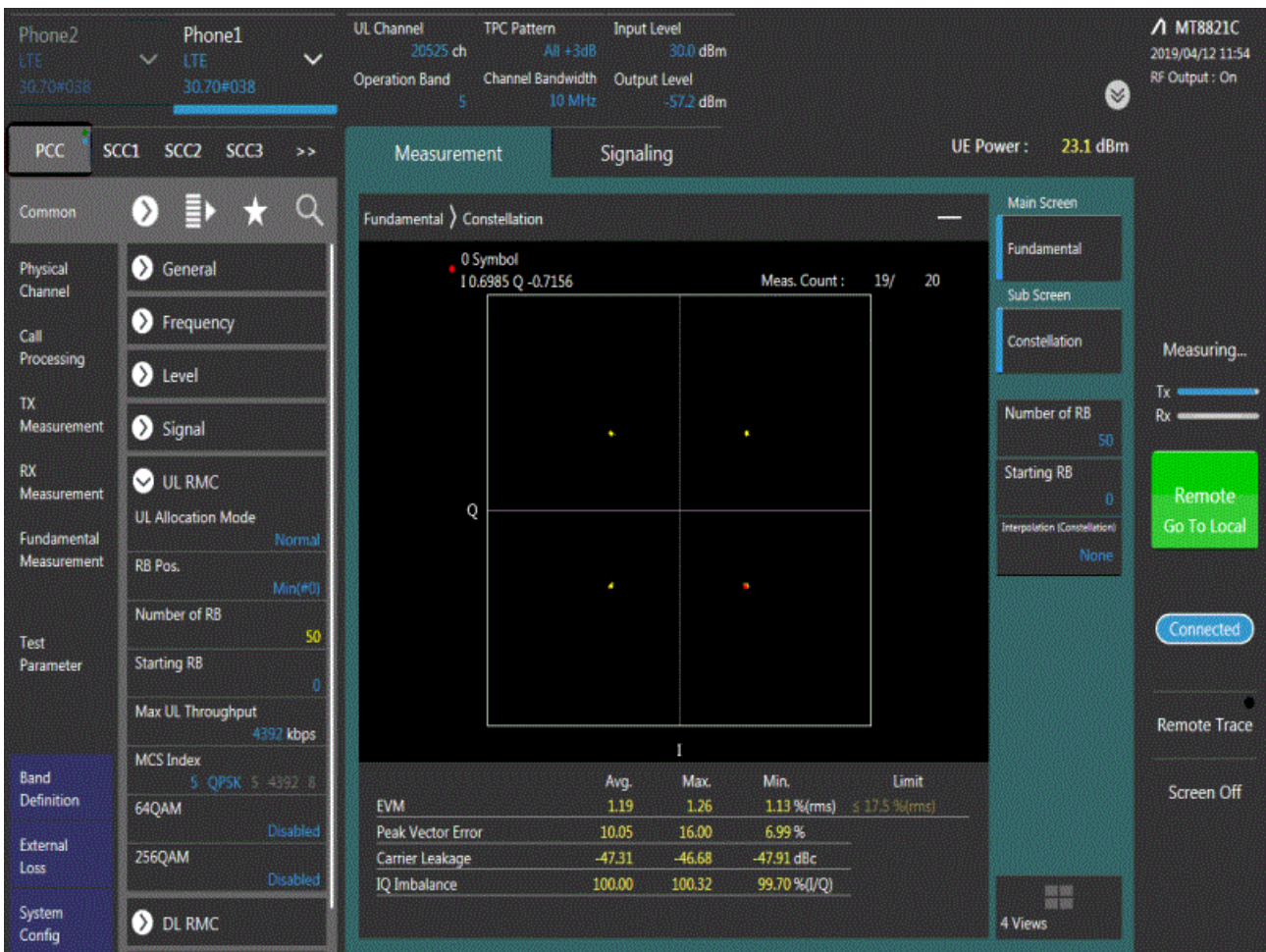
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3. Modulation Characteristics

3.1. Test BAND = LTE Band 5

3.2. Test Mode = LTE /TM1 10MHz

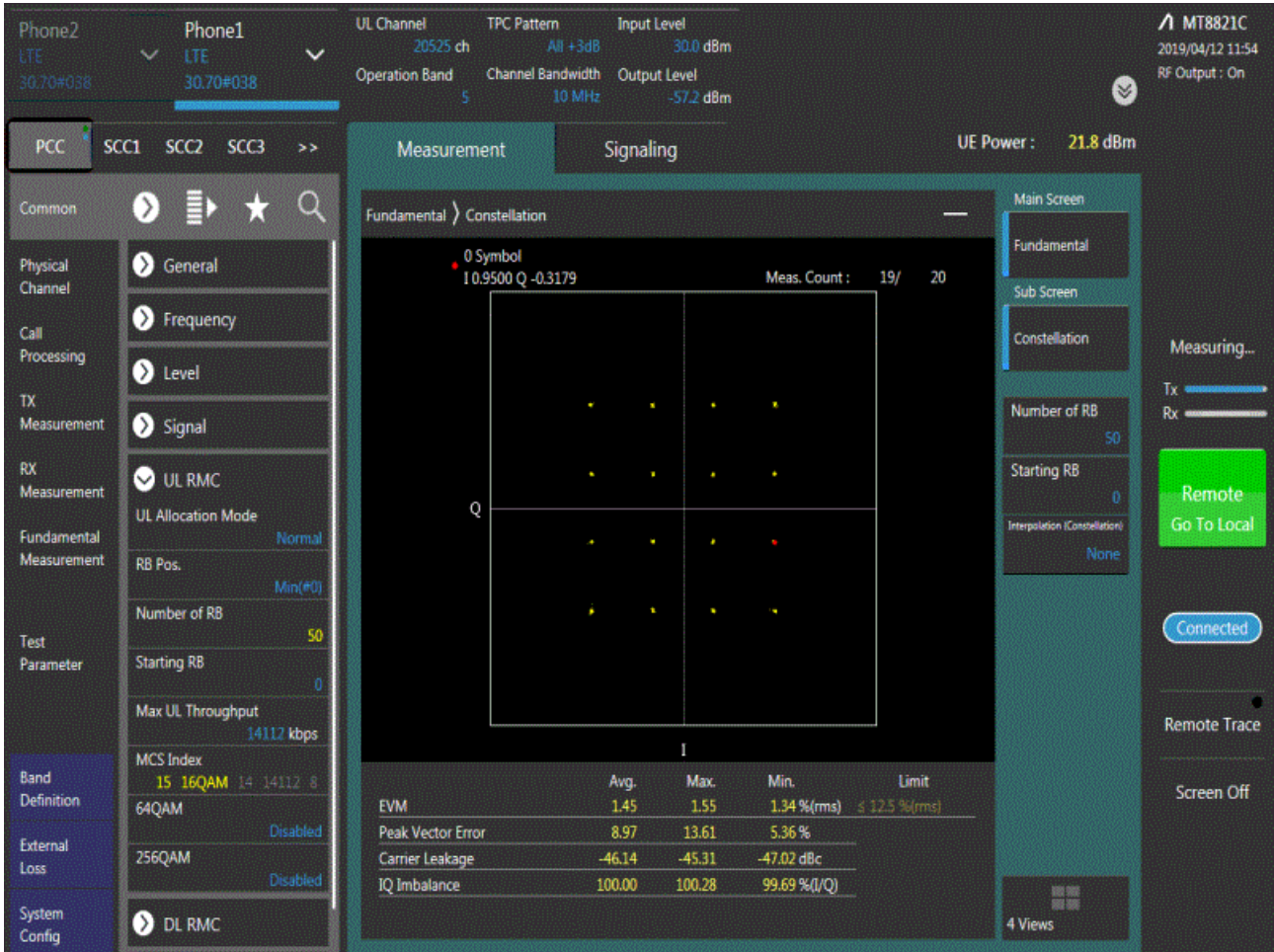
3.2.1. Test Channel = MCH



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3.3. Test Mode = LTE /TM2 10MHz

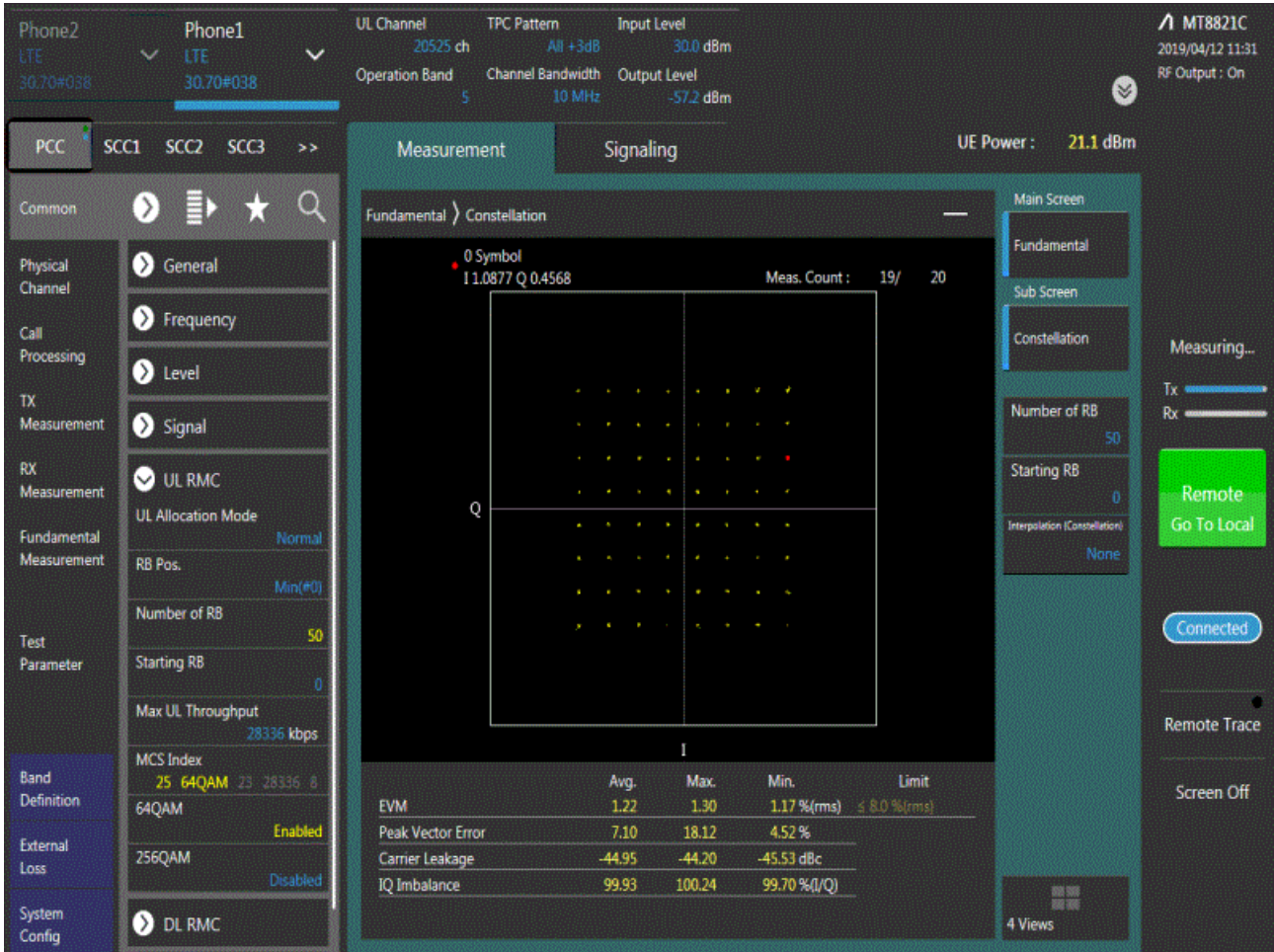
3.3.1. Test Channel = MCH



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3.4. Test Mode = LTE /TM3 10MHz

3.4.1. 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	1.1	1.248	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.094	1.245	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.103	1.248	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	1.1	1.257	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	1.1	1.254	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	1.097	1.239	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.097	1.251	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.1	1.260	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.094	1.245	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.703	2.988	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.697	2.976	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.703	2.970	PASS
Band5	3MHz	64QAM	20415	15RB#0	2.697	2.982	PASS
Band5	3MHz	64QAM	20525	15RB#0	2.703	2.988	PASS
Band5	3MHz	64QAM	20635	15RB#0	2.703	2.970	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.703	2.982	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.703	2.970	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.703	2.982	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.496	4.930	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.496	4.900	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.476	4.900	PASS
Band5	5MHz	64QAM	20425	25RB#0	4.486	4.890	PASS
Band5	5MHz	64QAM	20525	25RB#0	4.476	4.900	PASS
Band5	5MHz	64QAM	20625	25RB#0	4.476	4.880	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.476	4.910	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.476	4.930	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.476	4.900	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.951	9.820	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.971	9.740	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.951	9.780	PASS
Band5	10MHz	64QAM	20450	50RB#0	8.951	9.780	PASS

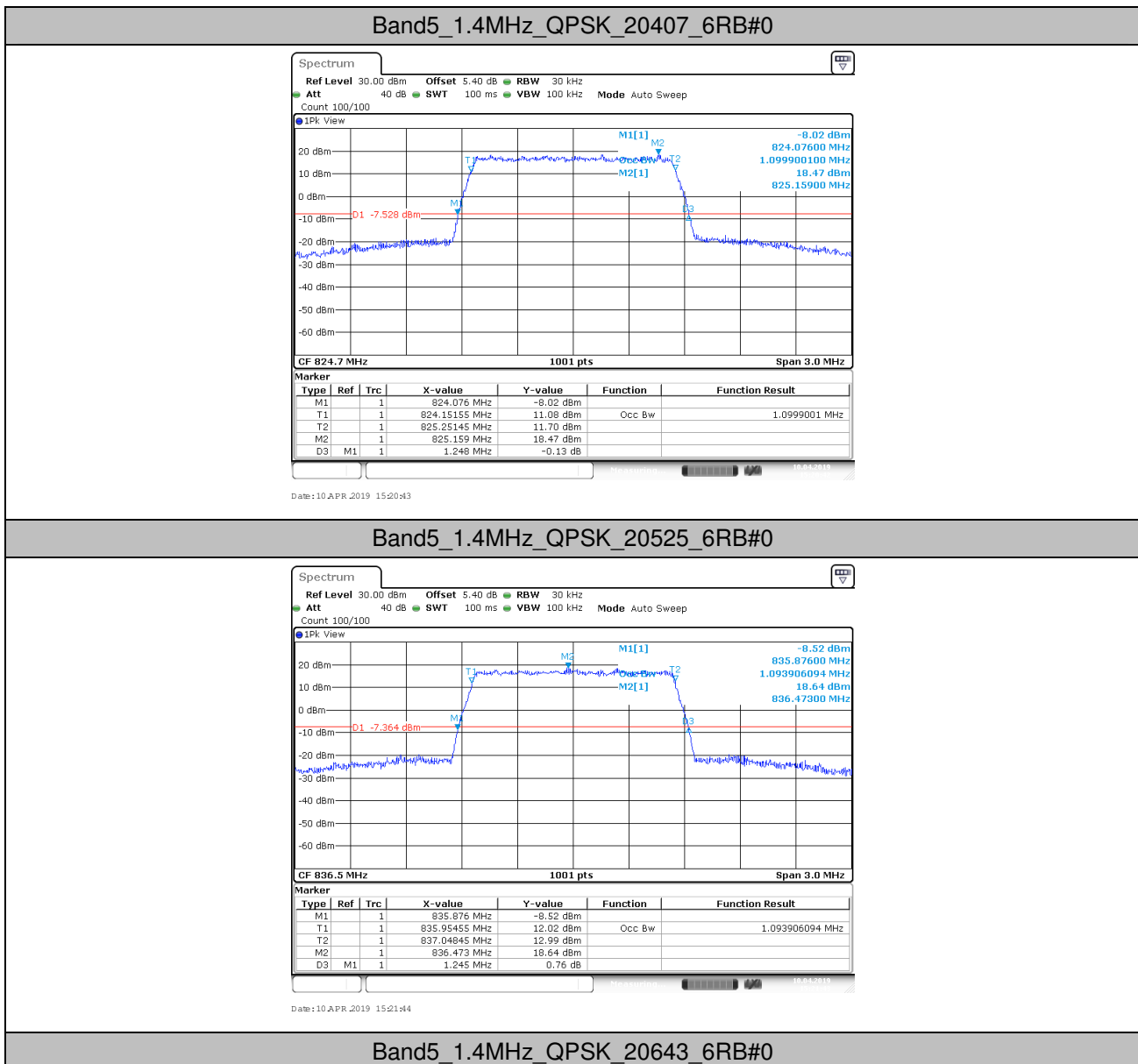


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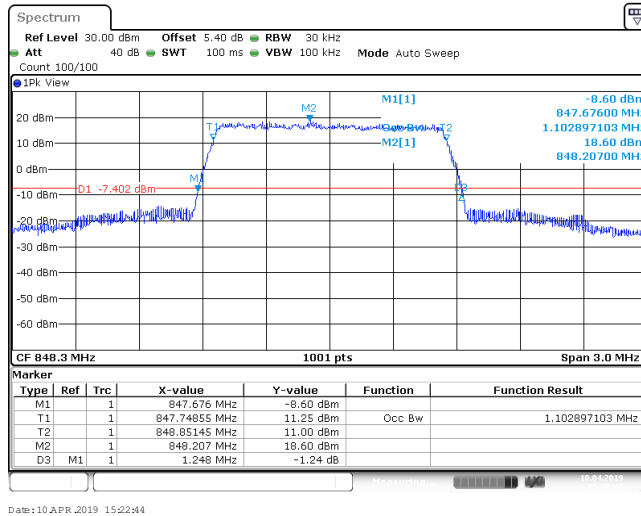
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Band5	10MHz	64QAM	20525	50RB#0	8.931	9.780	PASS
Band5	10MHz	64QAM	20600	50RB#0	8.951	9.740	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.951	9.780	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.951	9.780	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.951	9.760	PASS

4.2. Test Plots

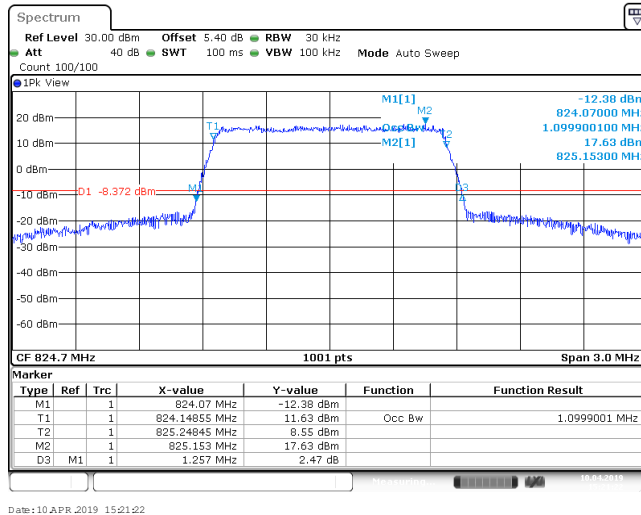


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Date: 10 APR 2019 15:22:44

Band5_1.4MHz_64QAM_20407_6RB#0

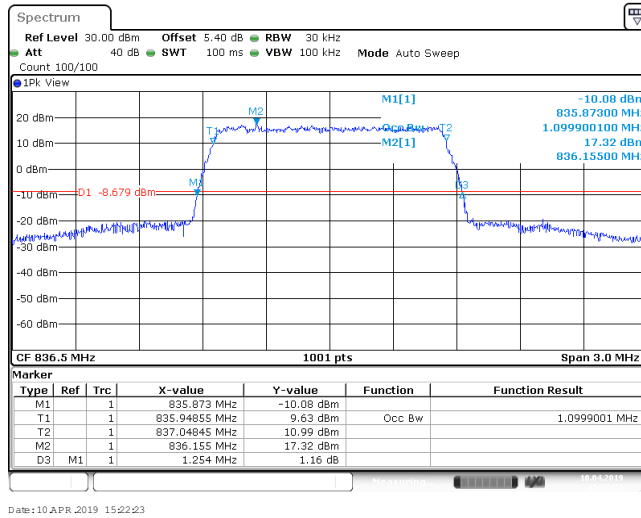


Date: 10 APR 2019 15:21:22

Band5_1.4MHz_64QAM_20525_6RB#0

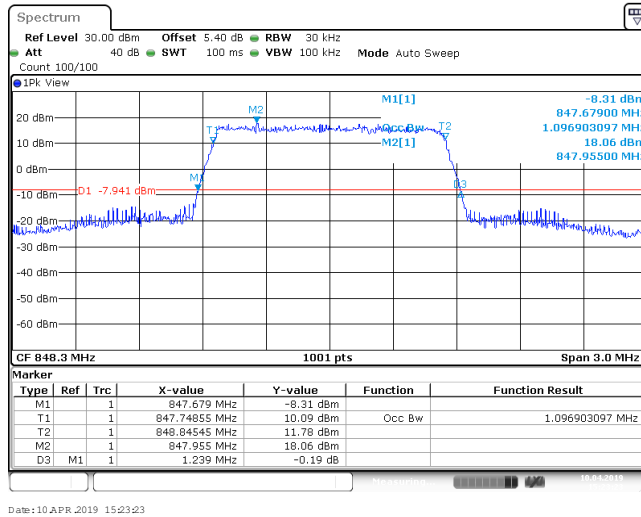


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Date: 10 APR 2019 15:22:23

Band5_1.4MHz_64QAM_20643_6RB#0

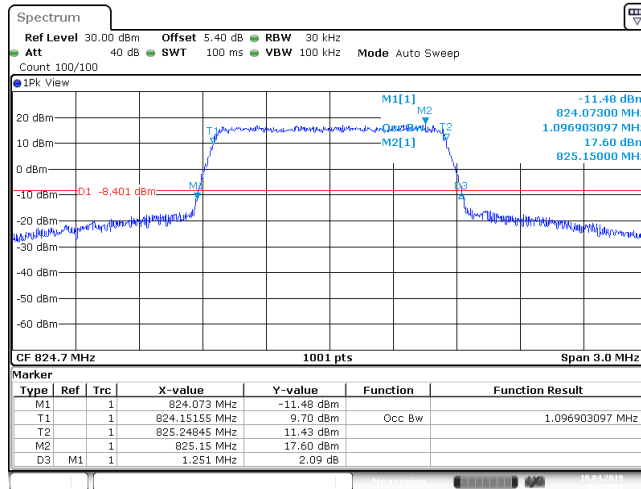


Date: 10 APR 2019 15:23:23

Band5_1.4MHz_16QAM_20407_6RB#0

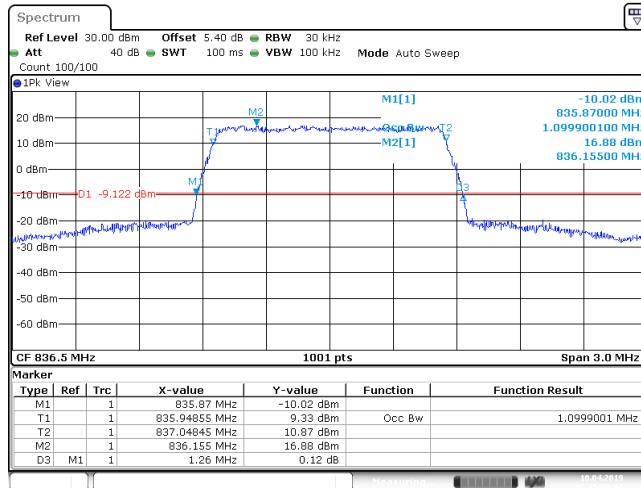


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Date: 10 APR 2019 15:21:02

Band5_1.4MHz_16QAM_20525_6RB#0

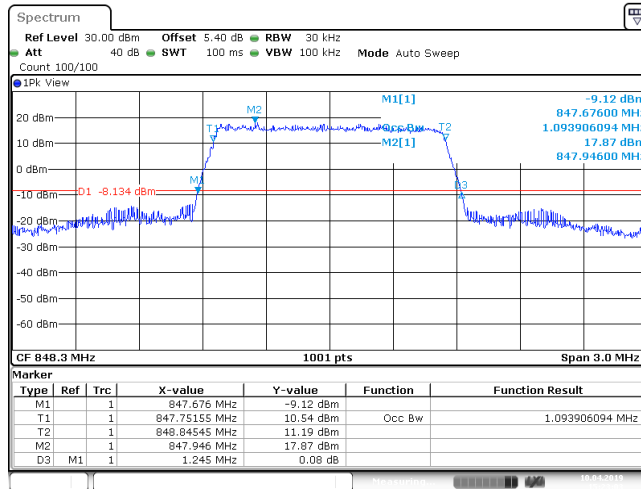


Date: 10 APR 2019 15:22:03

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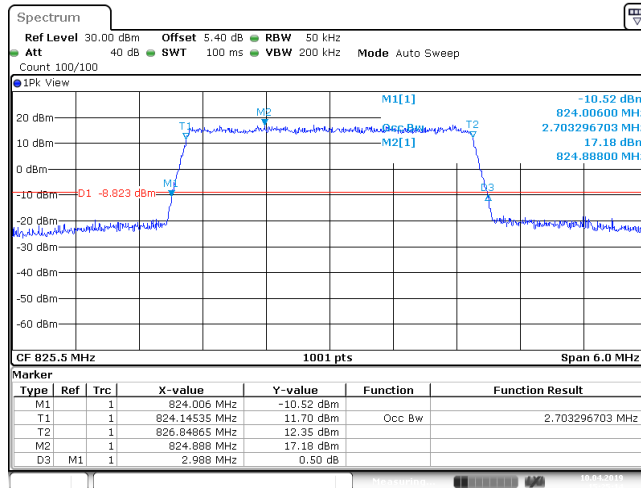


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Date: 10 APR 2019 15:23:04

Band5_3MHz_QPSK_20415_15RB#0

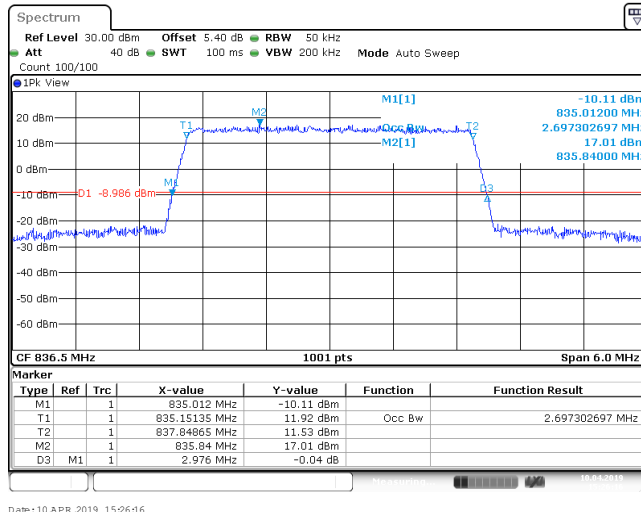


Date: 10 APR 2019 15:25:15

Band5_3MHz_QPSK_20525_15RB#0

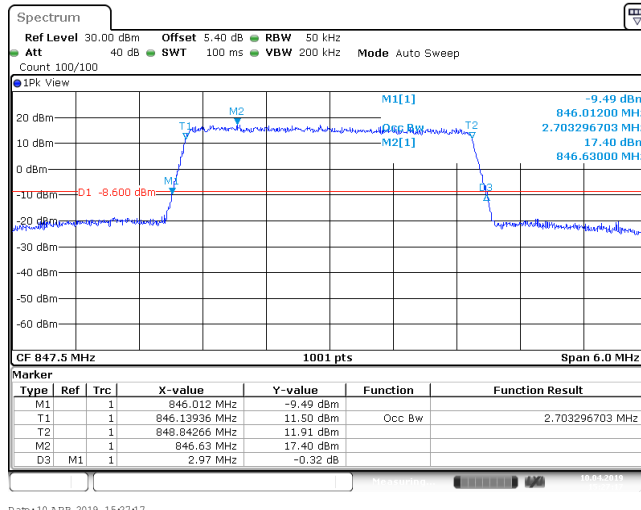


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Date: 10 APR 2019 15:26:16

Band5_3MHz_QPSK_20635_15RB#0

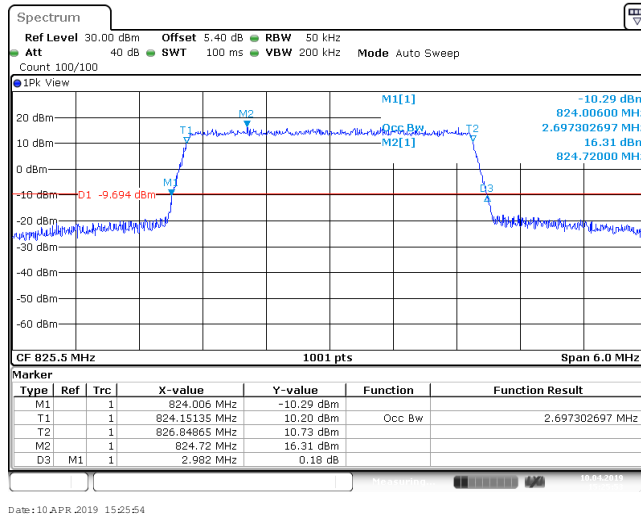


Date: 10 APR 2019 15:27:17

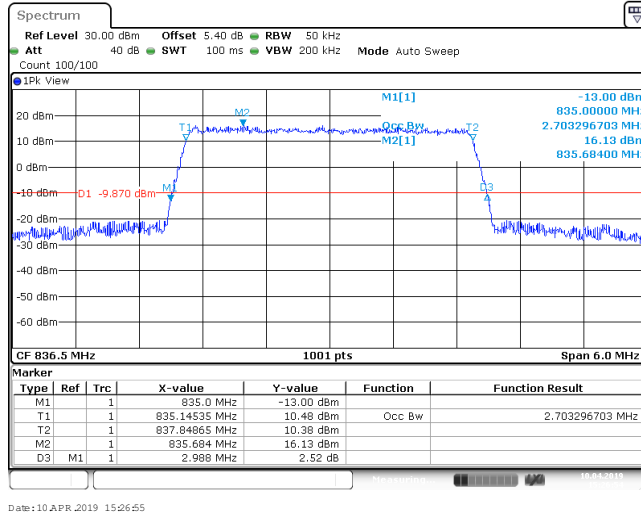
Band5_3MHz_64QAM_20415_15RB#0



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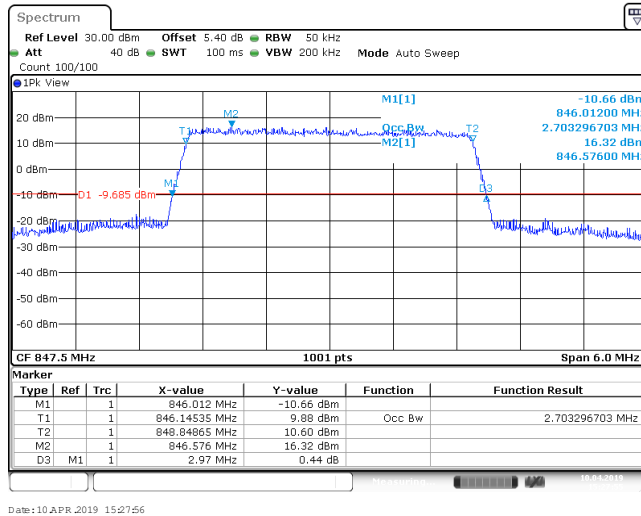
Band5_3MHz_64QAM_20525_15RB#0



Band5_3MHz_64QAM_20635_15RB#0

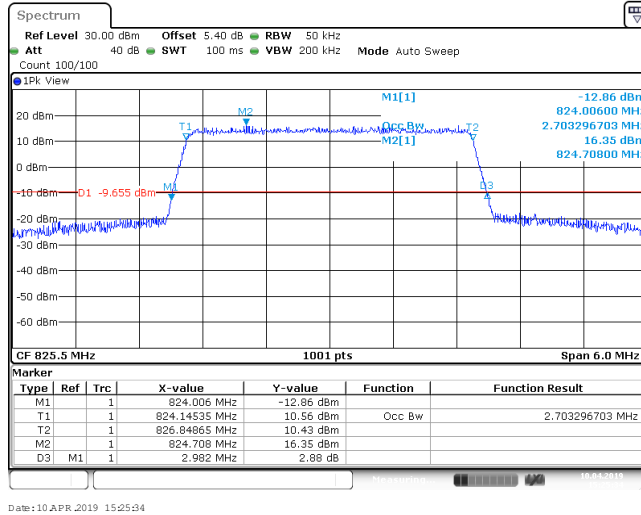


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Date: 10 APR 2019 15:27:56

Band5_3MHz_16QAM_20415_15RB#0

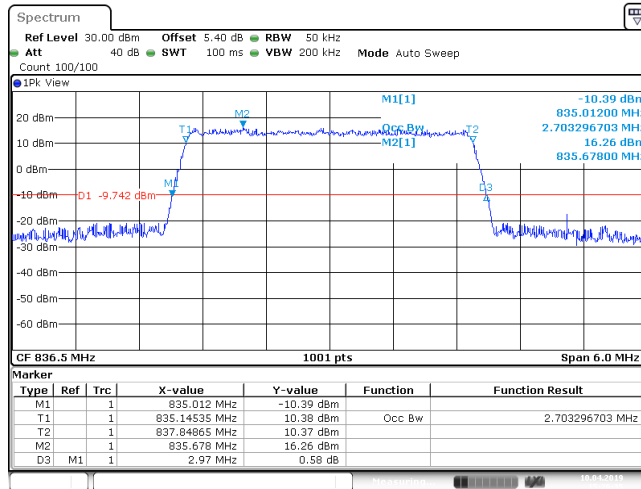


Date: 10 APR 2019 15:25:04

Band5_3MHz_16QAM_20525_15RB#0

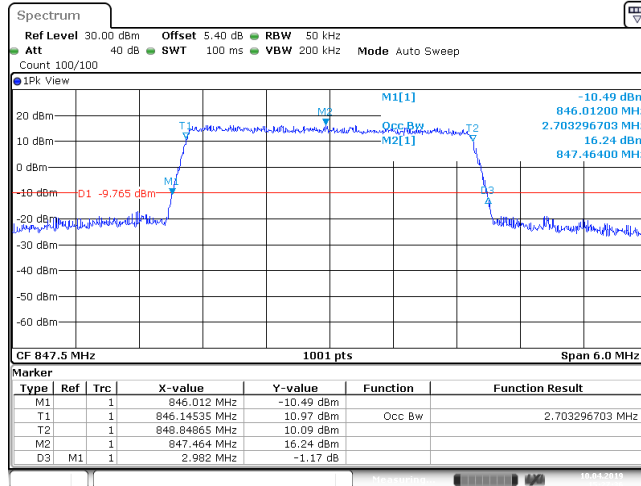


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Date: 10 APR 2019 15:26:36

Band5_3MHz_16QAM_20635_15RB#0

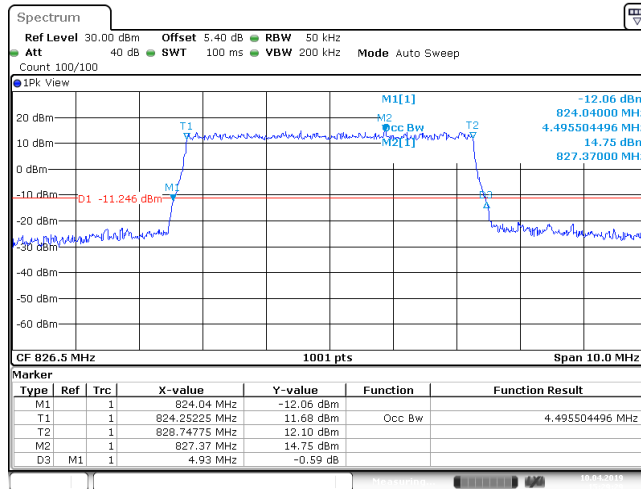


Date: 10 APR 2019 15:27:36

Band5_5MHz_QPSK_20425_25RB#0

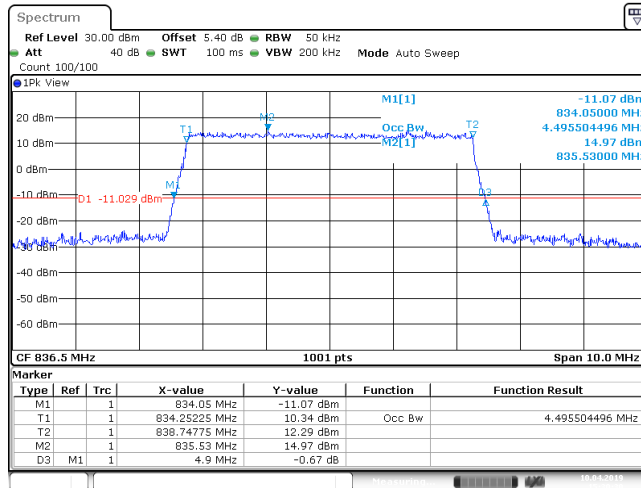


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Date: 10 APR 2019 15:29:29

Band5_5MHz_QPSK_20525_25RB#0

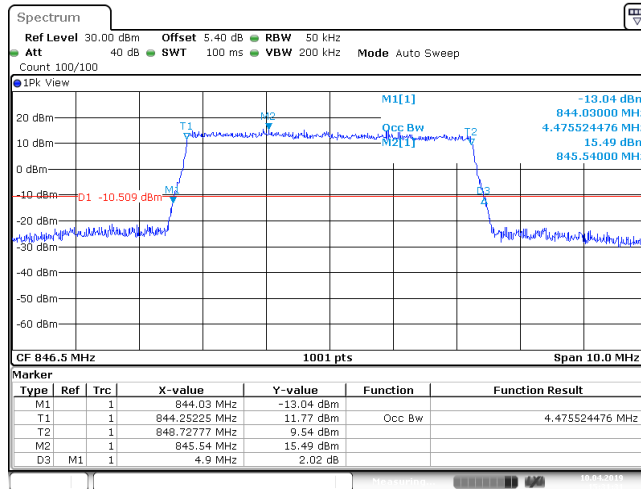


Date: 10 APR 2019 15:30:31

Band5_5MHz_QPSK_20625_25RB#0

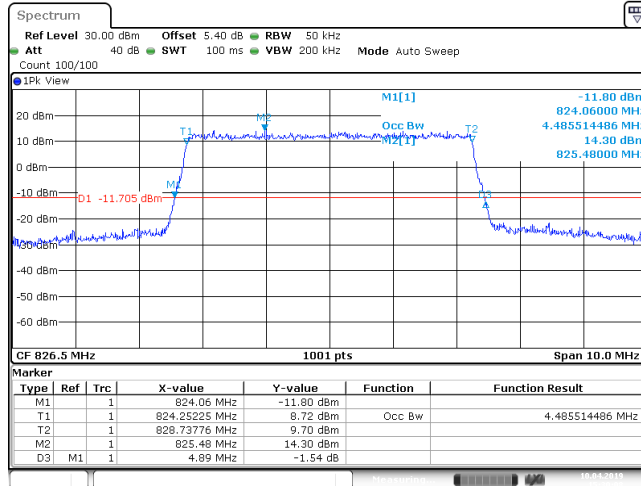


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Date: 10 APR 2019 15:21:02

Band5_5MHz_64QAM_20425_25RB#0

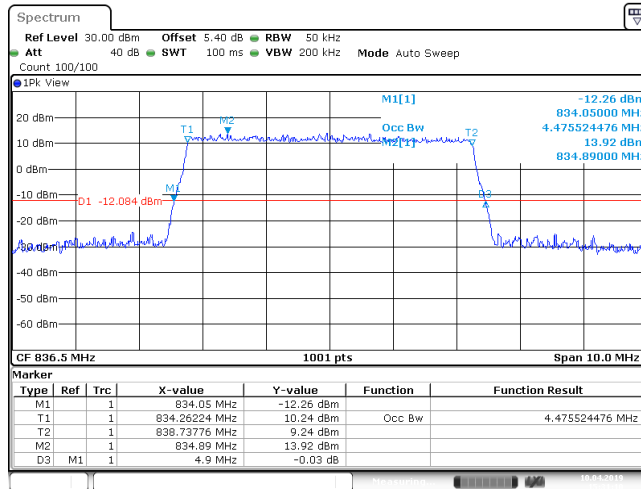


Date: 10 APR 2019 15:20:08

Band5_5MHz_64QAM_20525_25RB#0

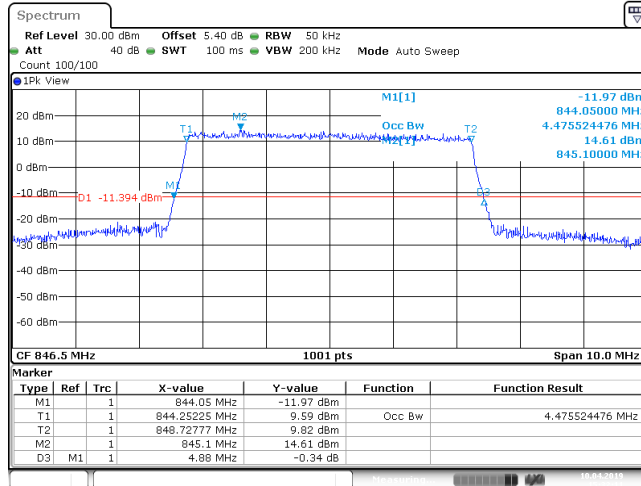


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Date: 10 APR 2019 15:21:10

Band5_5MHz_64QAM_20625_25RB#0

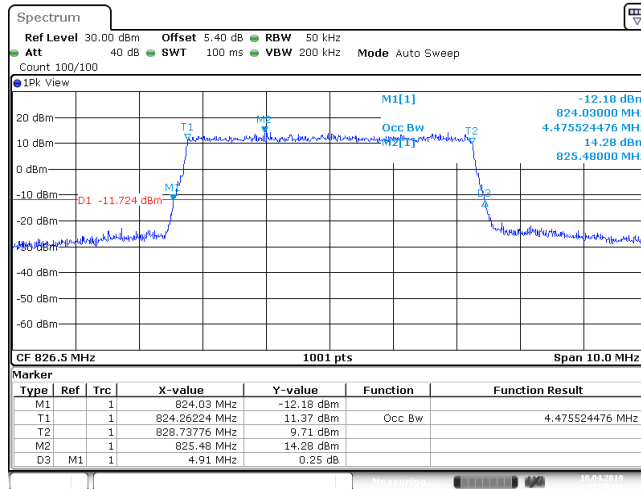


Date: 10 APR 2019 15:22:11

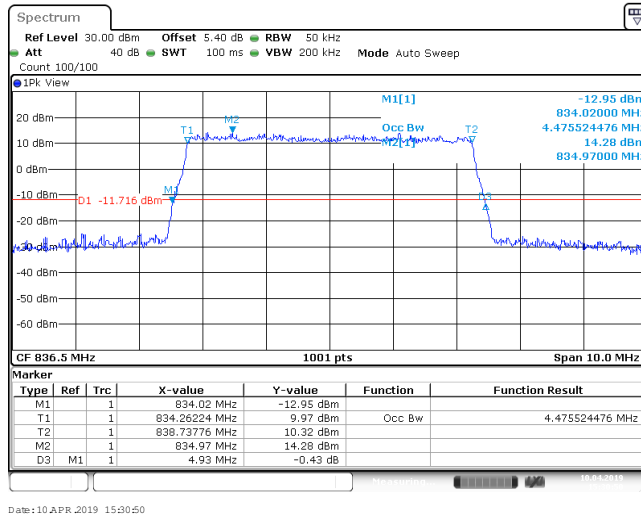
Band5_5MHz_16QAM_20425_25RB#0



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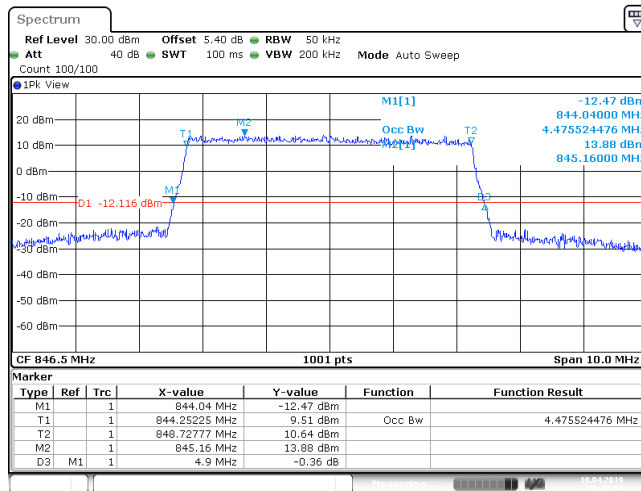
Band5_5MHz_16QAM_20525_25RB#0



Band5_5MHz_16QAM_20625_25RB#0

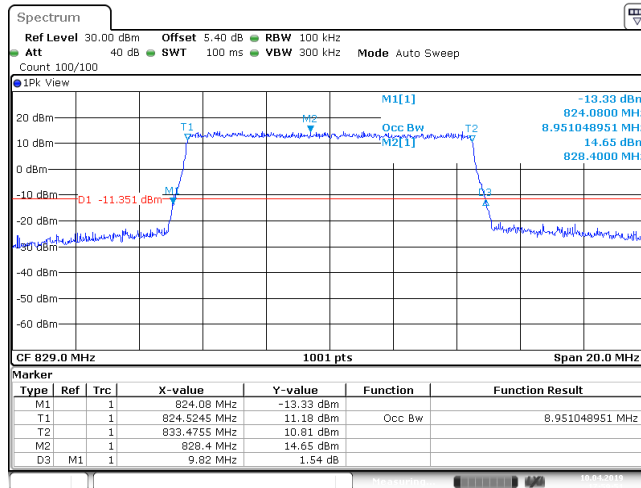


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Date: 10 APR 2019 15:21:51

Band5_10MHz_QPSK_20450_50RB#0

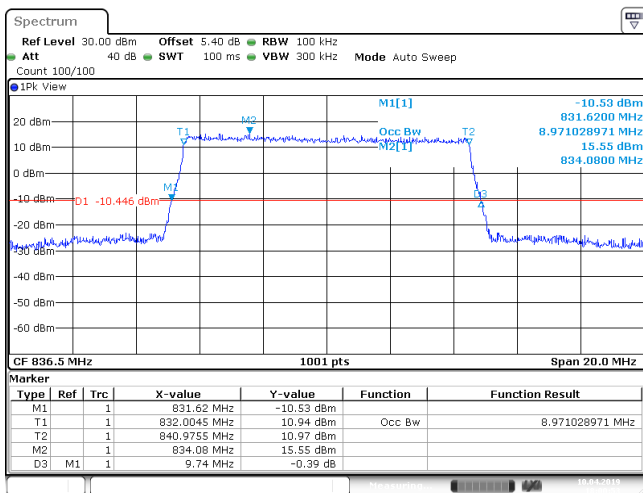


Date: 10 APR 2019 17:59:51

Band5_10MHz_QPSK_20525_50RB#0

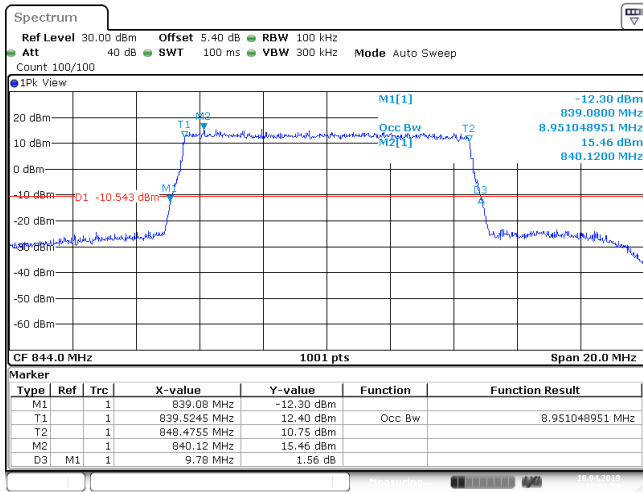


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Date: 10 APR 2019 18:00:53

Band5_10MHz_QPSK_20600_50RB#0

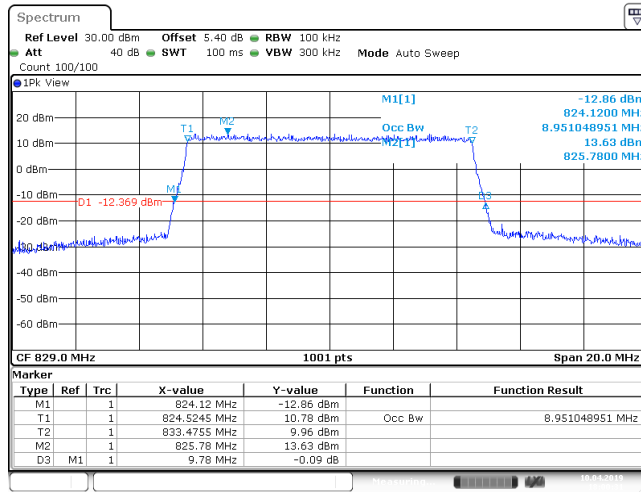


Date: 10 APR 2019 18:01:54

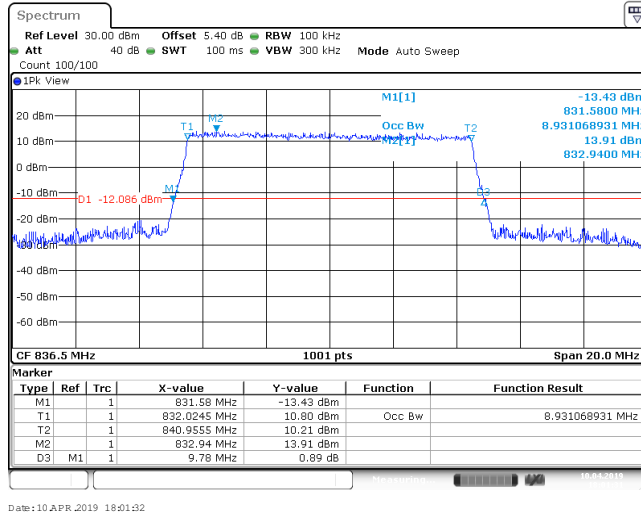
Band5_10MHz_64QAM_20450_50RB#0



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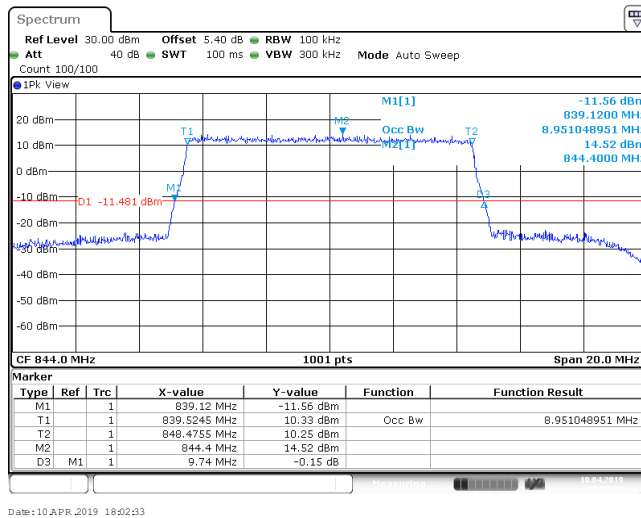
Band5_10MHz_64QAM_20525_50RB#



Band5_10MHz_64QAM_20600_50RB#

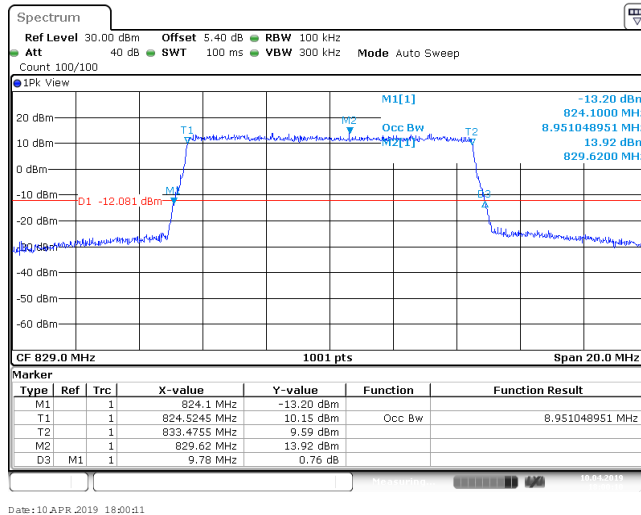


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Date: 10 APR 2019 18:52:33

Band5_10MHz_16QAM_20450_50RB#0



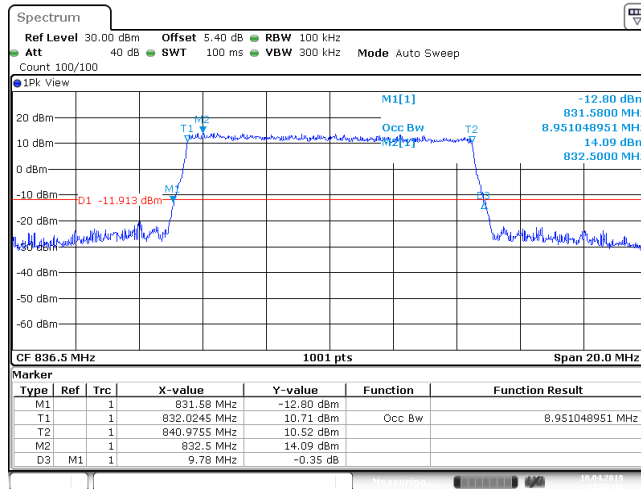
Date: 10 APR 2019 18:50:11

Band5_10MHz_16QAM_20525_50RB#0

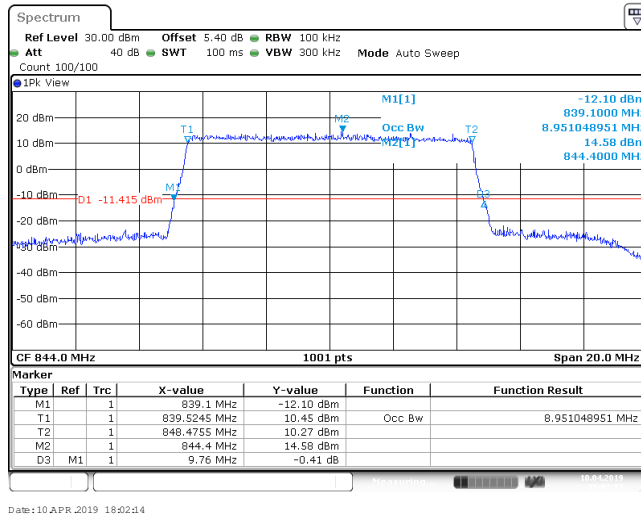


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Band5_10MHz_16QAM_20600_50RB#0

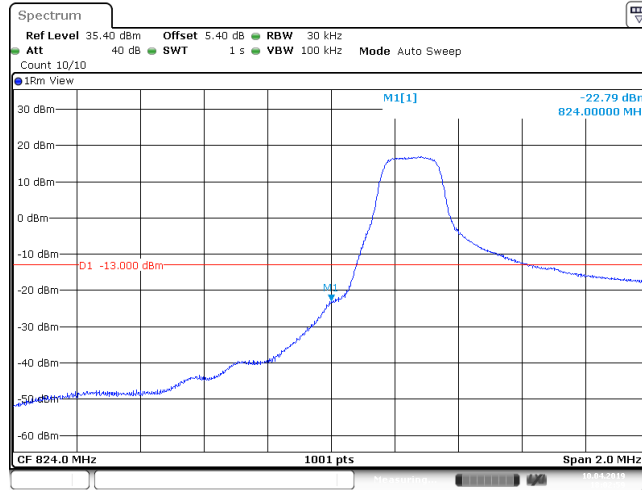


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5. Band Edge Compliance

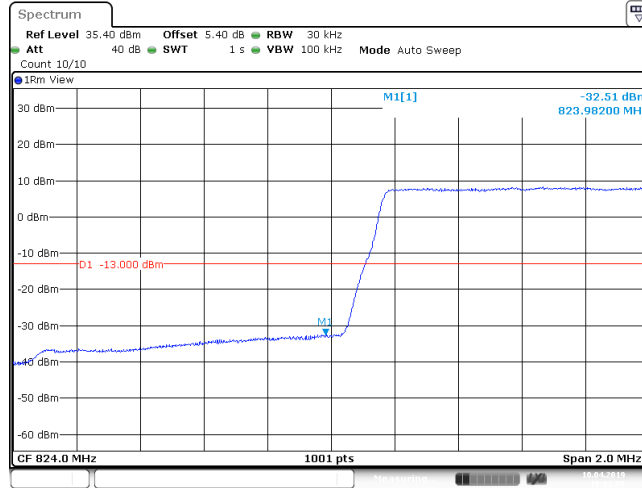
5.1. Test Plots

Band5_1.4MHz_QPSK_20407_1RB#0



Date: 10 APR.2019 18:02:59

Band5_1.4MHz_QPSK_20407_6RB#0

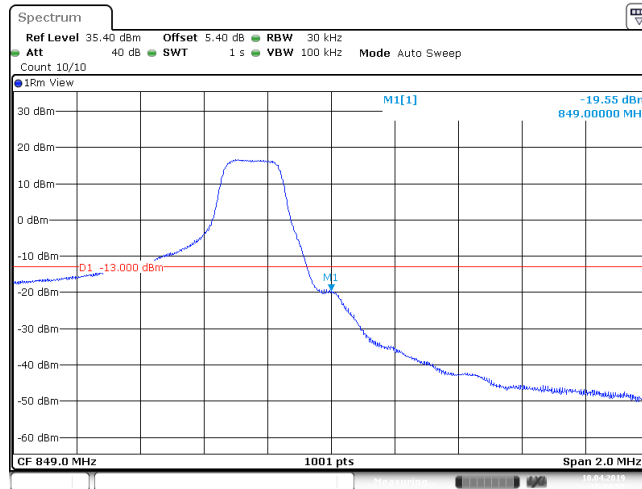


Date: 10 APR.2019 18:03:57

Band5_1.4MHz_QPSK_20643_1RB#5



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Date: 10.APR.2019 18:04:58

Band5_1.4MHz_QPSK_20643_6RB#0

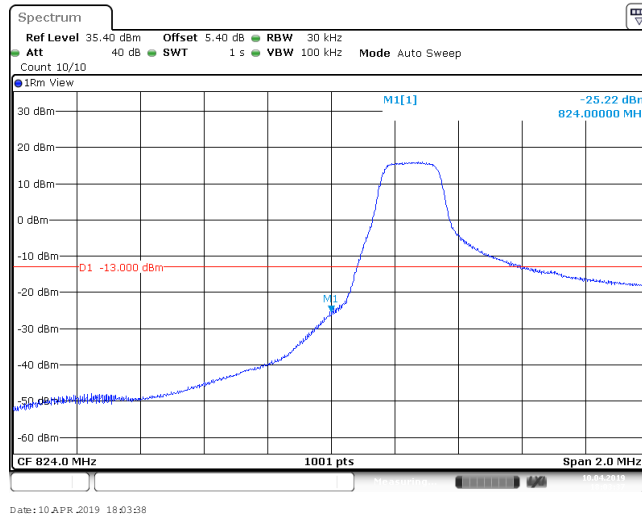


Date: 10.APR.2019 18:05:56

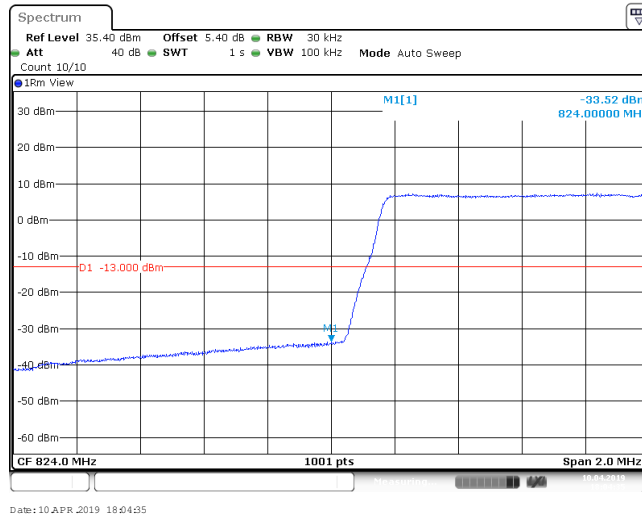
Band5_1.4MHz_64QAM_20407_1RB#0



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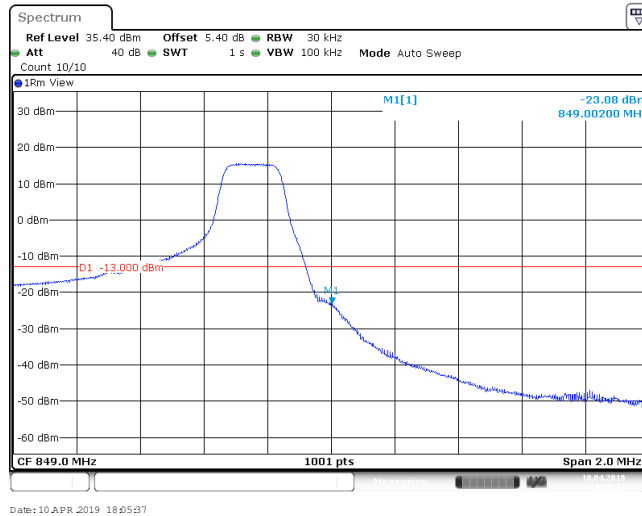
Band5_1.4MHz_64QAM_20407_6RB#0



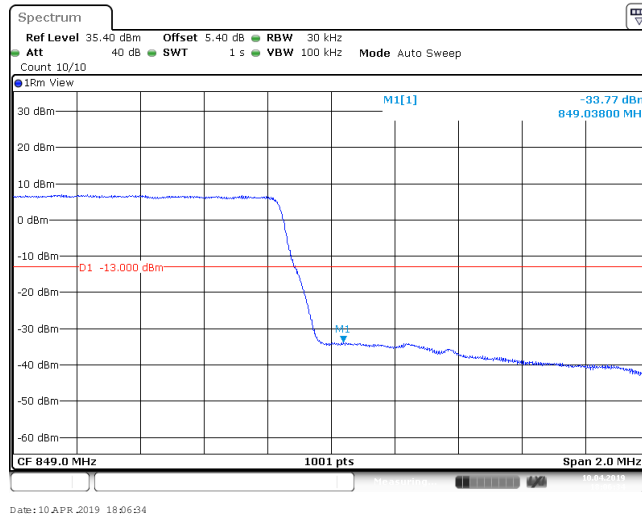
Band5_1.4MHz_64QAM_20643_1RB#5



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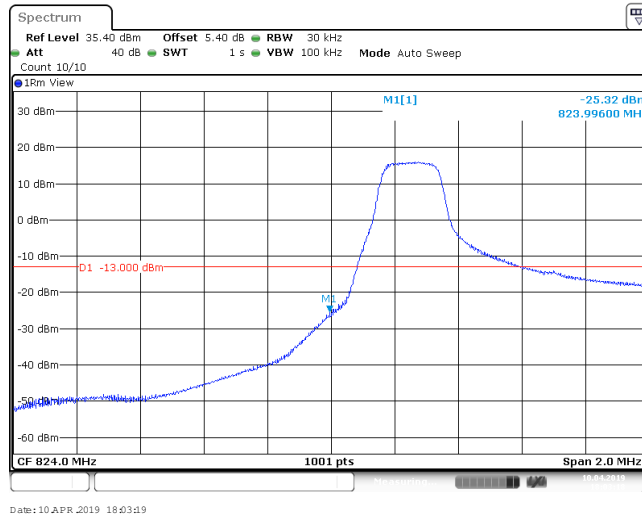
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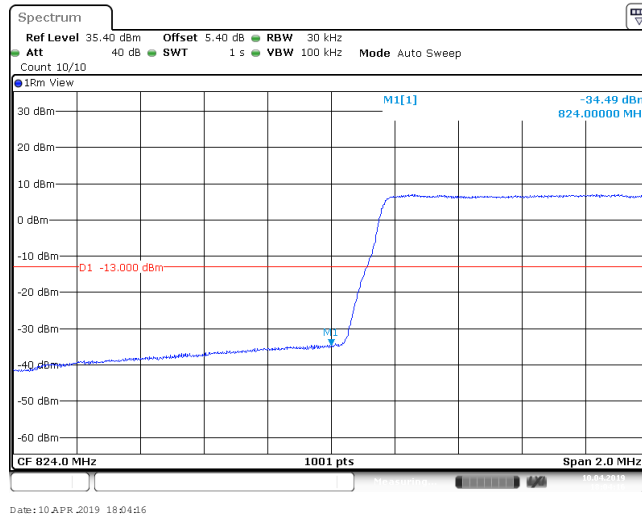
Band5_1.4MHz_16QAM_20407_1RB#0



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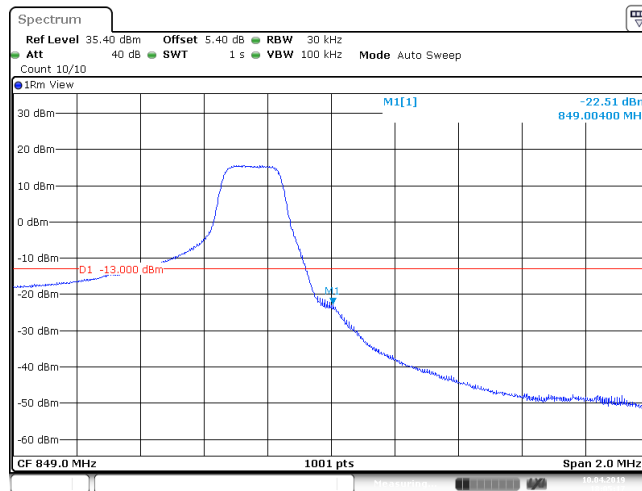
Band5_1.4MHz_16QAM_20407_6RB#0



Band5_1.4MHz_16QAM_20643_1RB#5

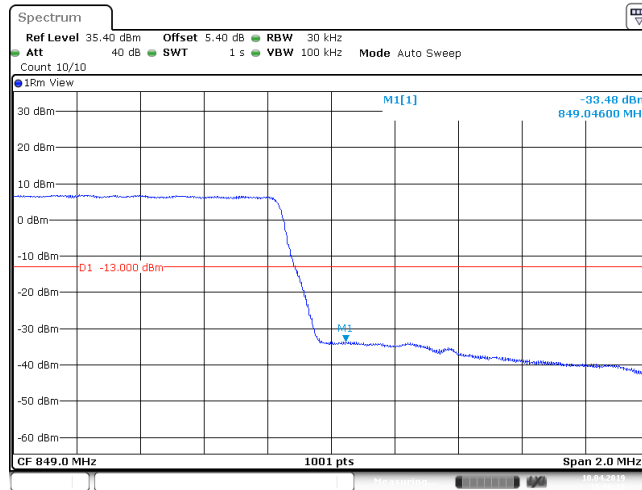


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Date: 10.APR.2019 18:05:17

Band5_1.4MHz_16QAM_20643_6RB#0

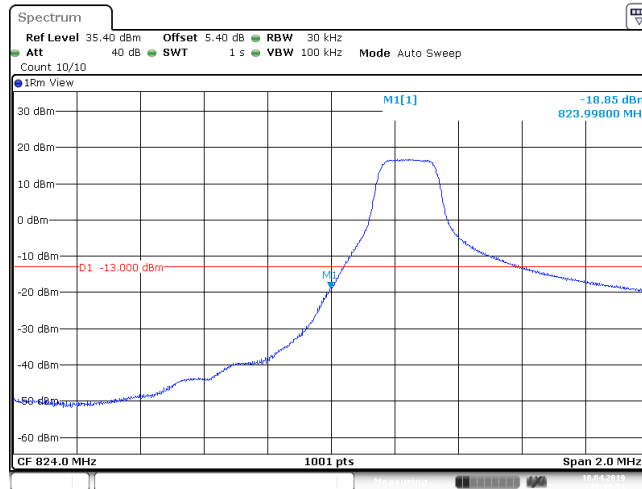


Date: 10.APR.2019 18:06:15

Band5_3MHz_QPSK_20415_1RB#0

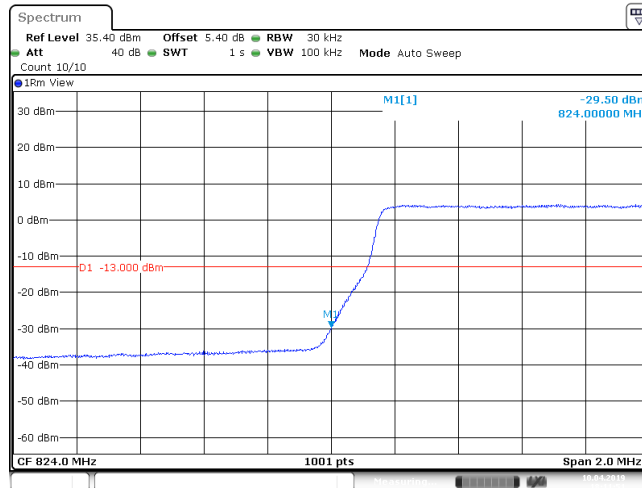


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Date: 10.APR.2019 18:10:55

Band5_3MHz_QPSK_20415_15RB#0

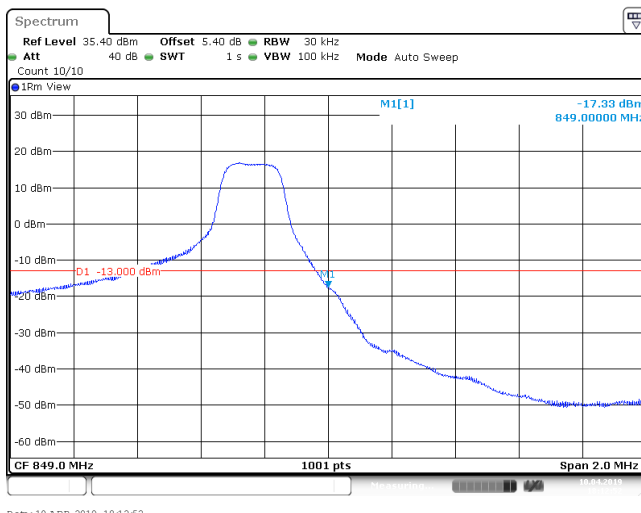


Date: 10.APR.2019 18:11:52

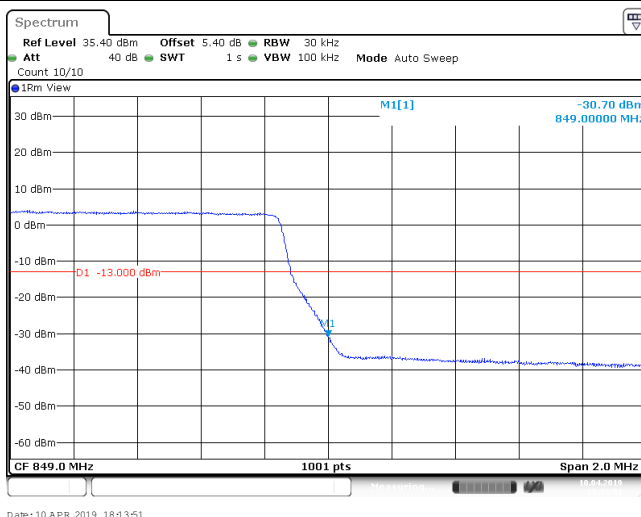
Band5_3MHz_QPSK_20635_1RB#14



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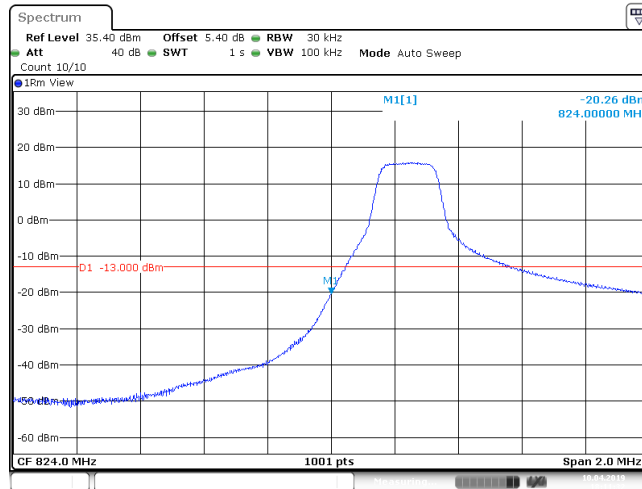
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Band5_3MHz_64QAM_20415_1RB#0

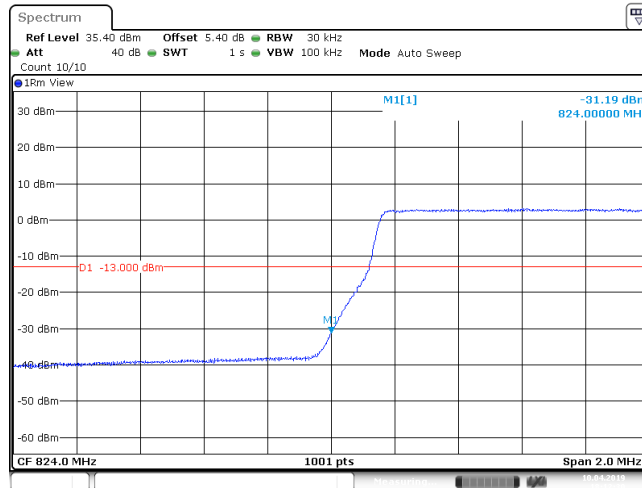


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Date: 10.APR.2019 18:11:32

Band5_3MHz_64QAM_20415_15RB#0

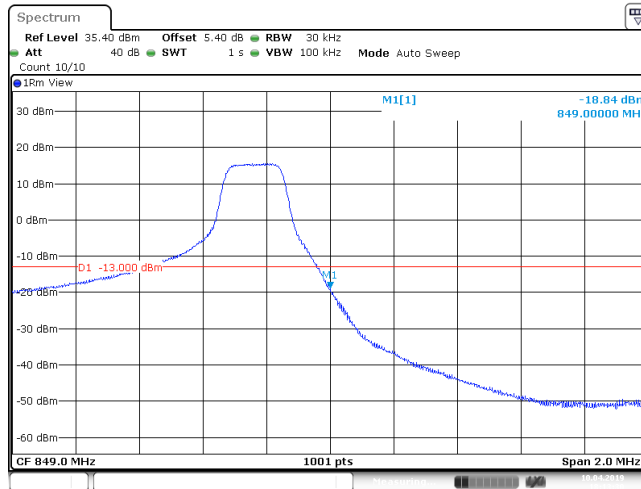


Date: 10.APR.2019 18:12:30

Band5_3MHz_64QAM_20635_1RB#14

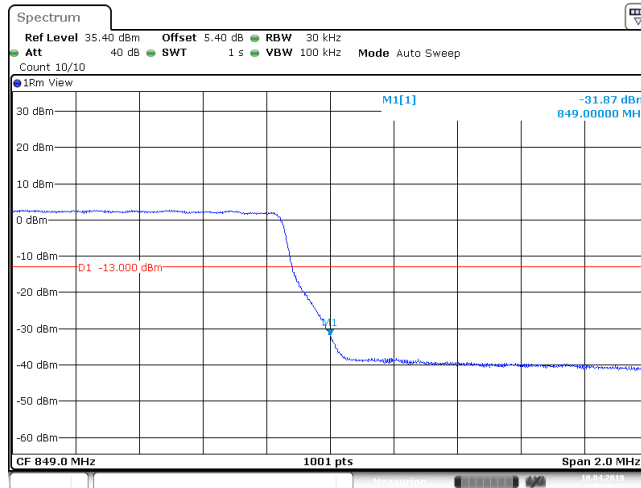


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Date: 10.APR.2019 18:43:31

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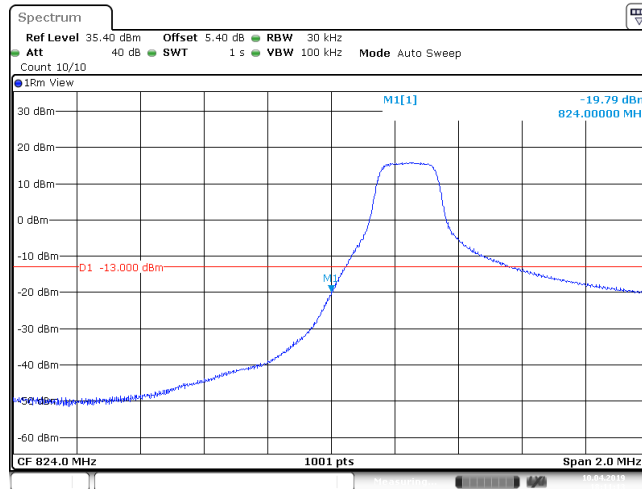


Date: 10.APR.2019 18:44:29

Band5_3MHz_16QAM_20415_1RB#0

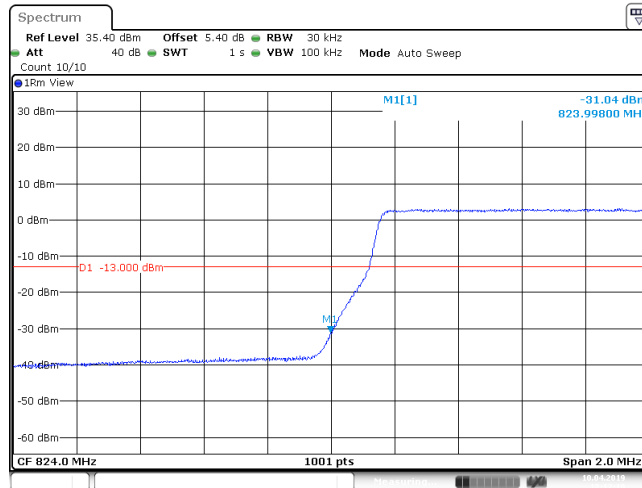


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Date: 10.APR.2019 18:11:14

Band5_3MHz_16QAM_20415_15RB#0

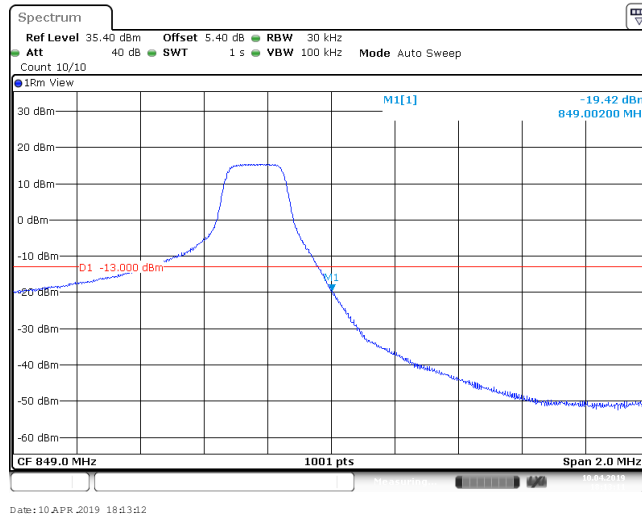


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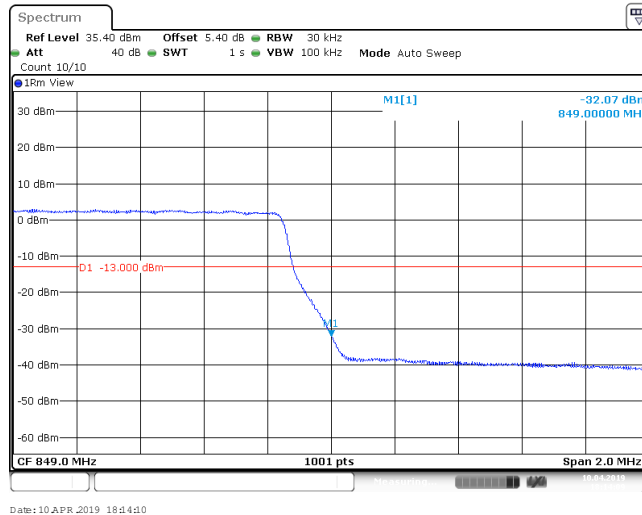
Band5_3MHz_16QAM_20635_1RB#14



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Band5_3MHz_16QAM_20635_15RB#0

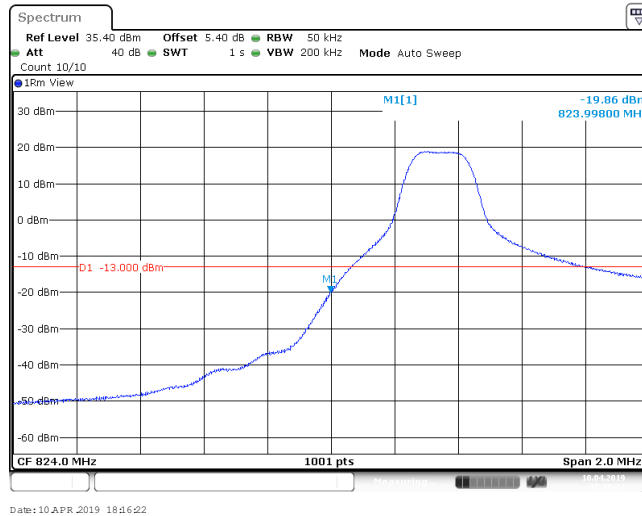


Band5_5MHz_QPSK_20425_1RB#0

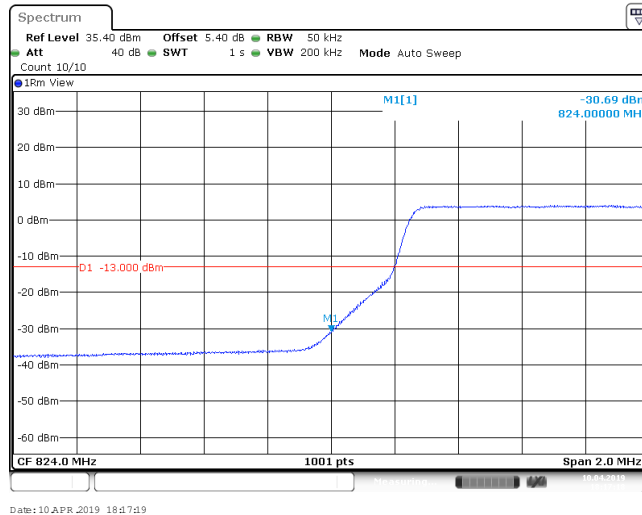


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Band5_5MHz_QPSK_20425_25RB#0

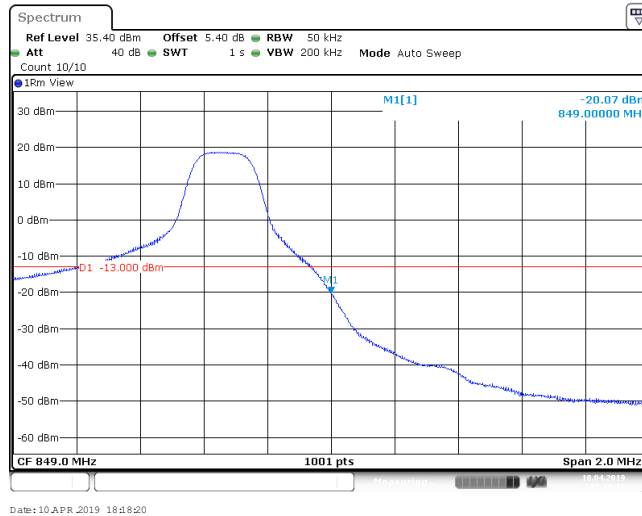


Band5_5MHz_QPSK_20625_1RB#24

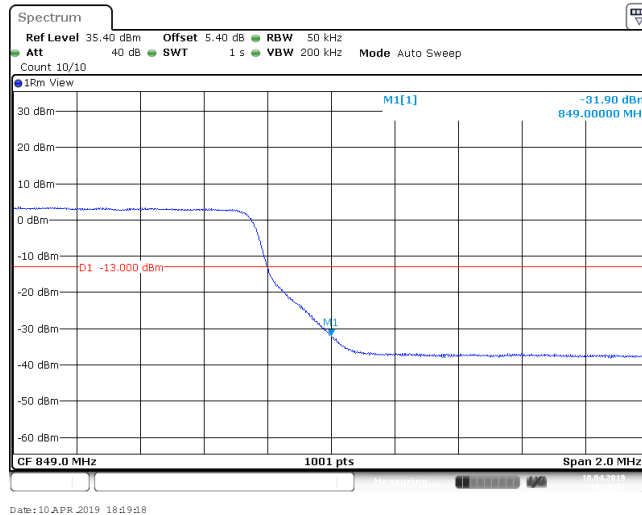


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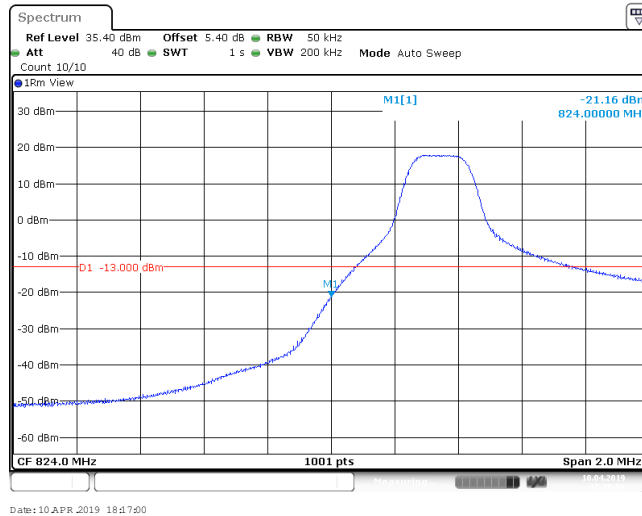
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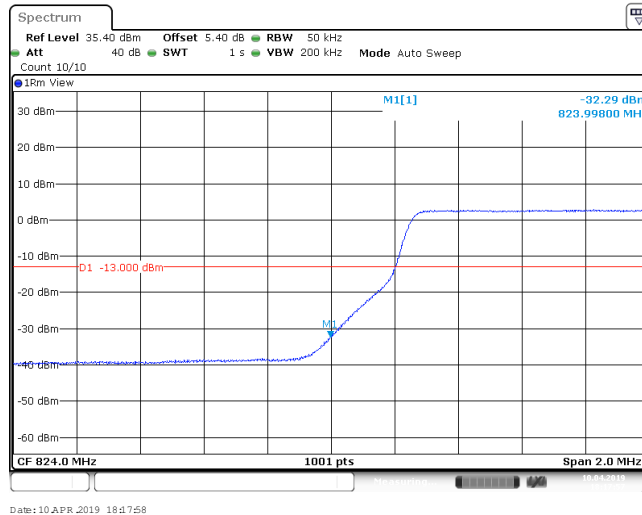
Band5_5MHz_64QAM_20425_1RB#0



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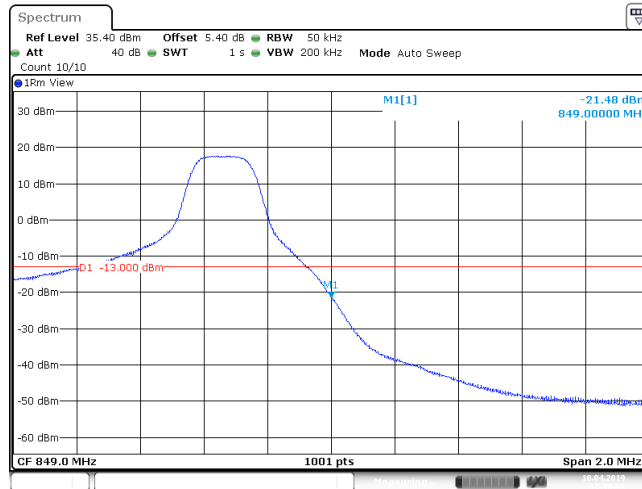
Band5_5MHz_64QAM_20425_25RB#0



Band5_5MHz_64QAM_20625_1RB#24



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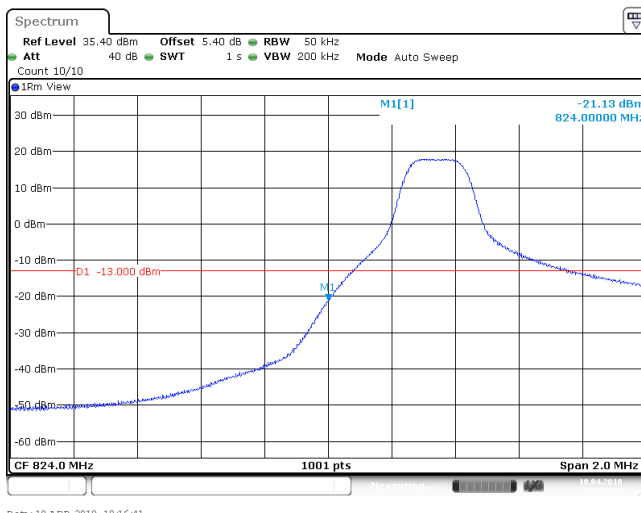
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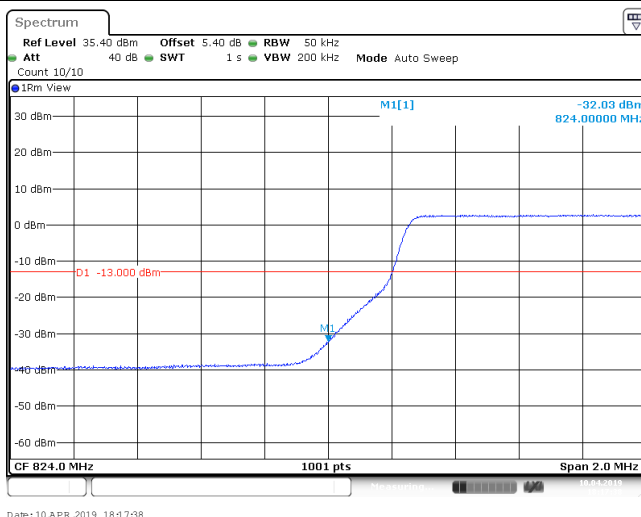
Band5_5MHz_16QAM_20425_1RB#0



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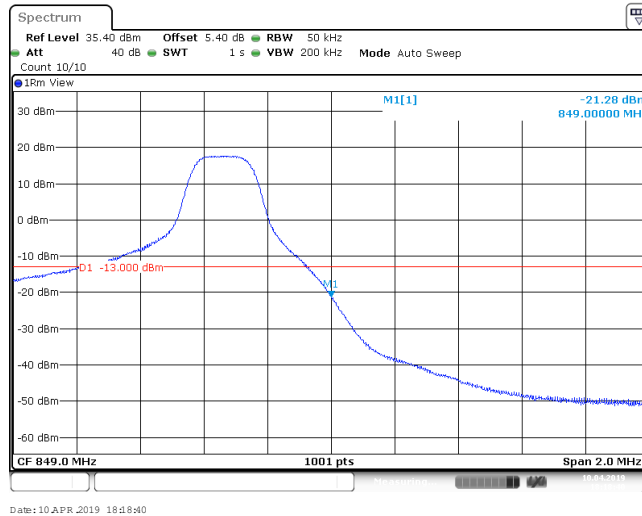
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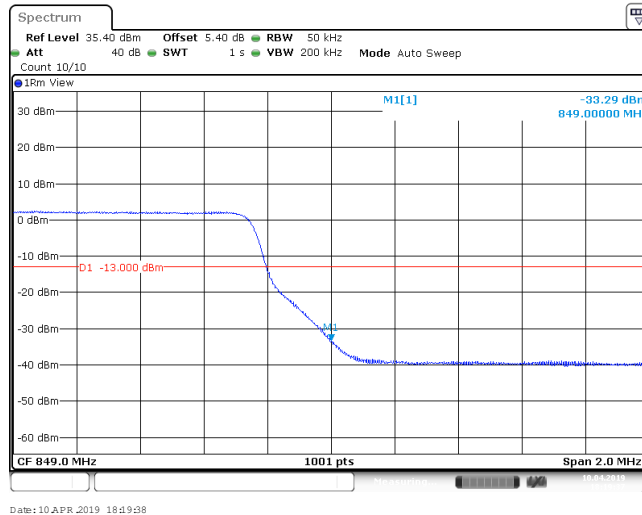
Band5_5MHz_16QAM_20625_1RB#24



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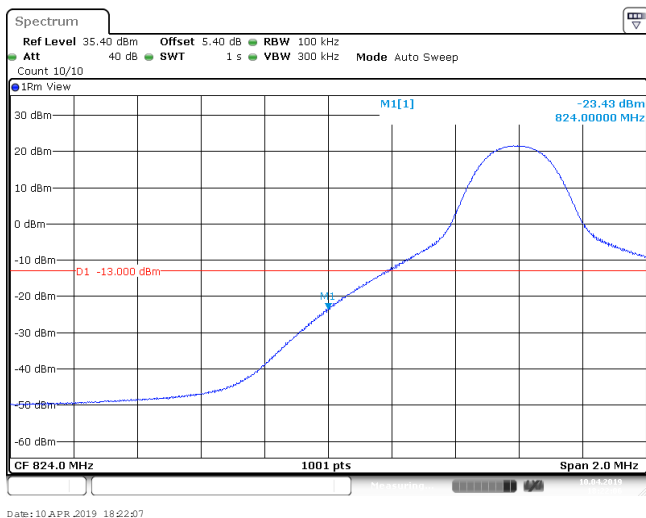
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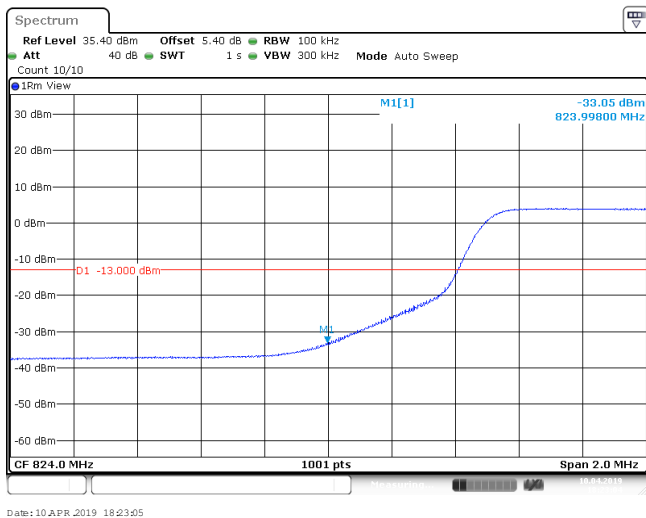
Band5_10MHz_QPSK_20450_1RB#0



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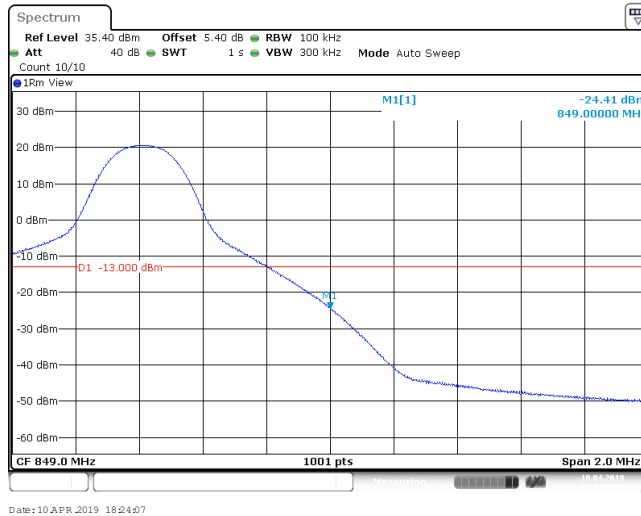
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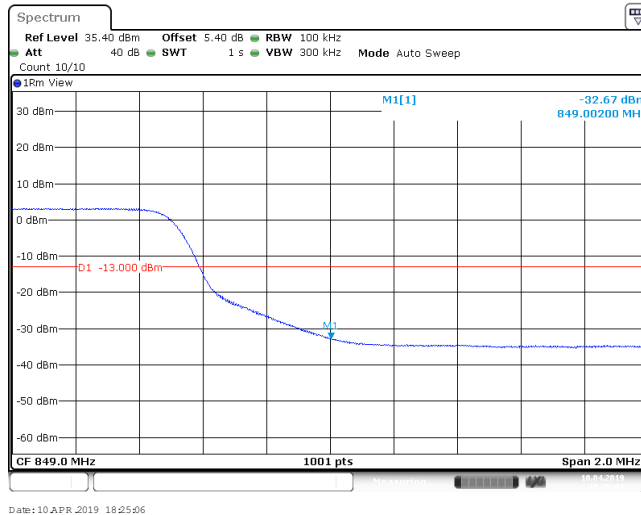
Band5_10MHz_QPSK_20600_1RB#49



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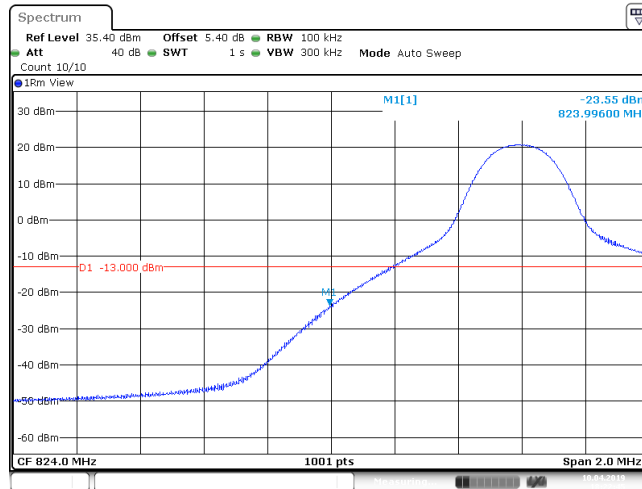
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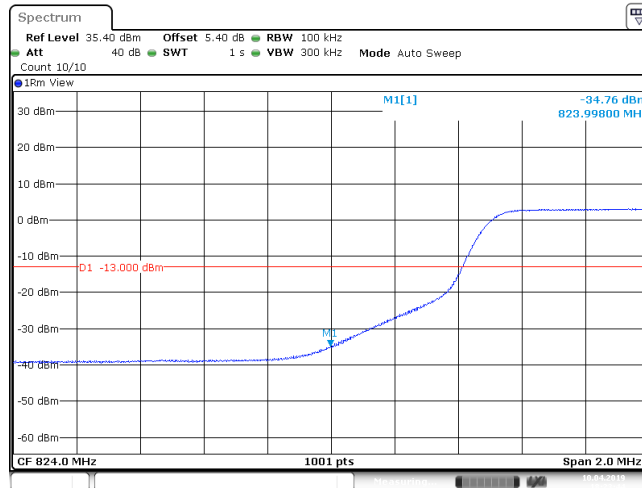
Band5_10MHz_64QAM_20450_1RB#0



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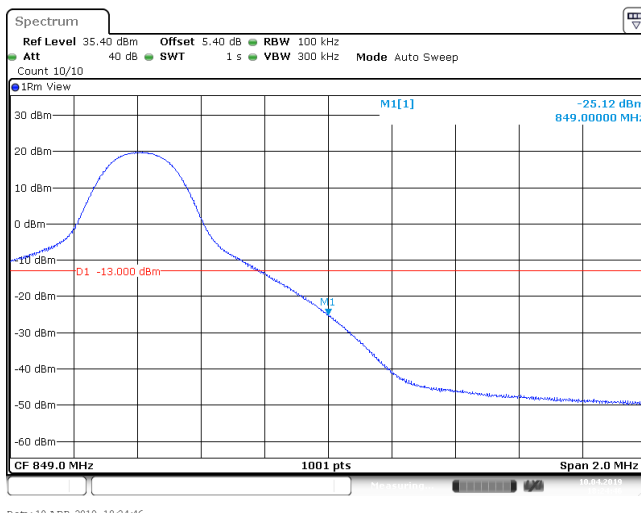
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Band5_10MHz_64QAM_20600_1RB#49

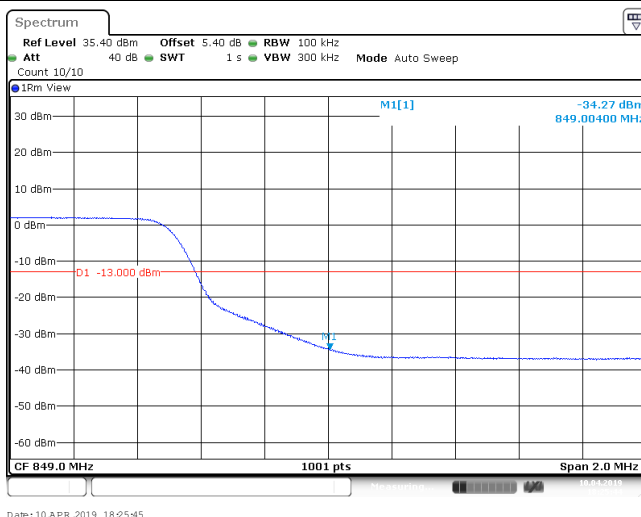


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Date: 10.APR.2019 18:24:46

Band5_10MHz_64QAM_20600_50RB#0

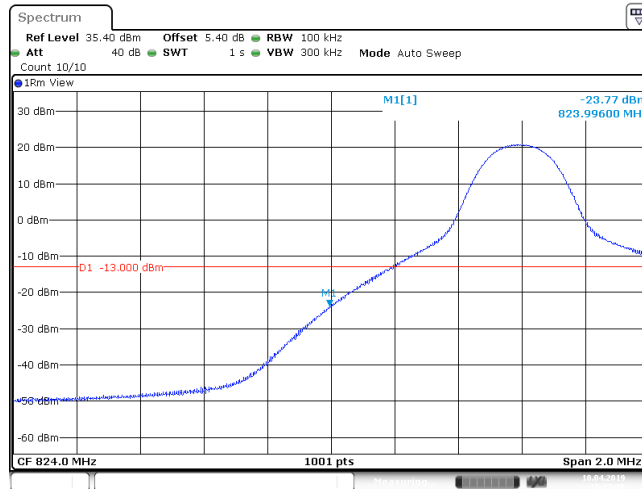


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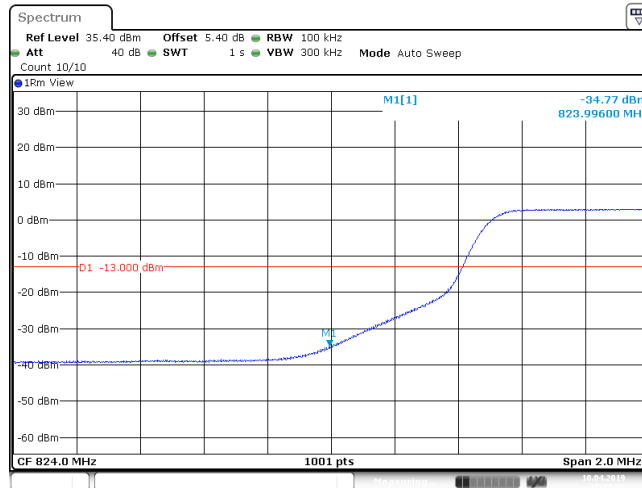
Band5_10MHz_16QAM_20450_1RB#0



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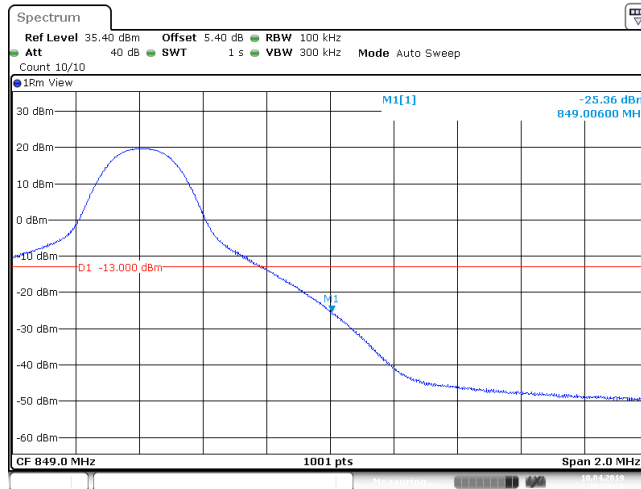
Band5_10MHz_16QAM_20450_50RB#0



Band5_10MHz_16QAM_20600_1RB#49

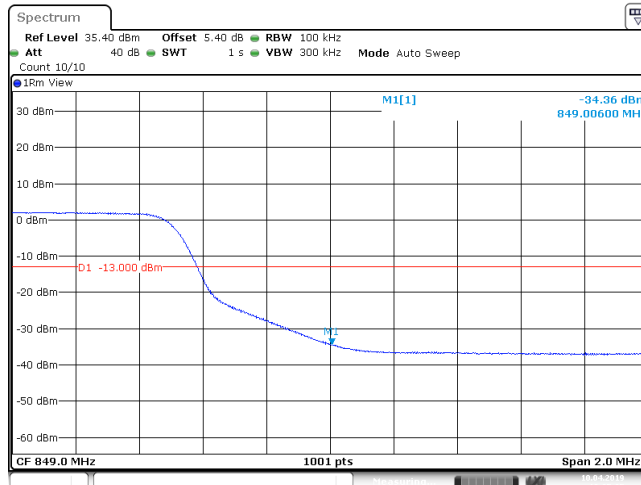


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Date: 10.APR.2019 18:24:26

Band5_10MHz_16QAM_20600_50RB#0



Date: 10.APR.2019 18:25:25



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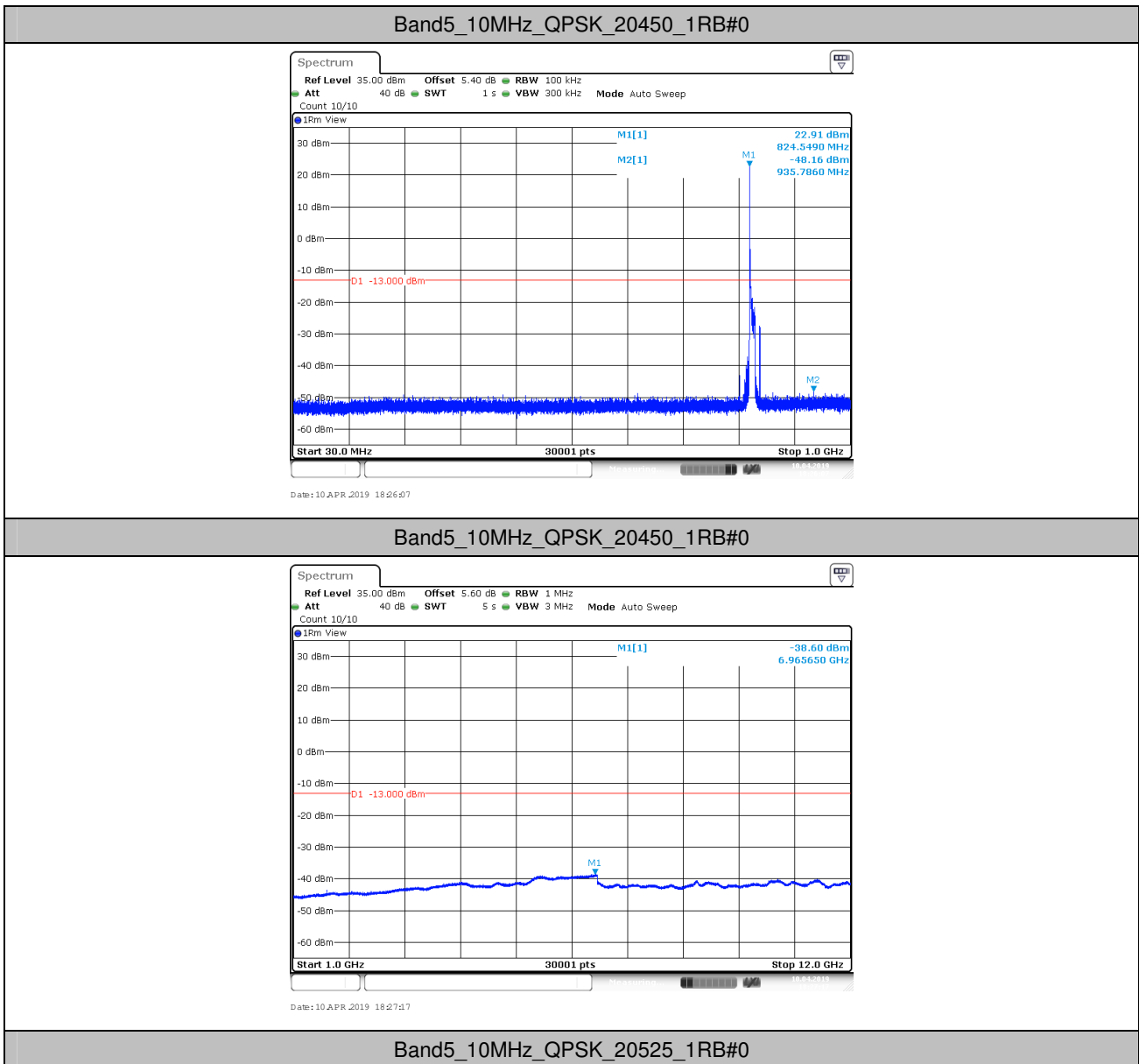
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6. Spurious Emission at Antenna Terminal

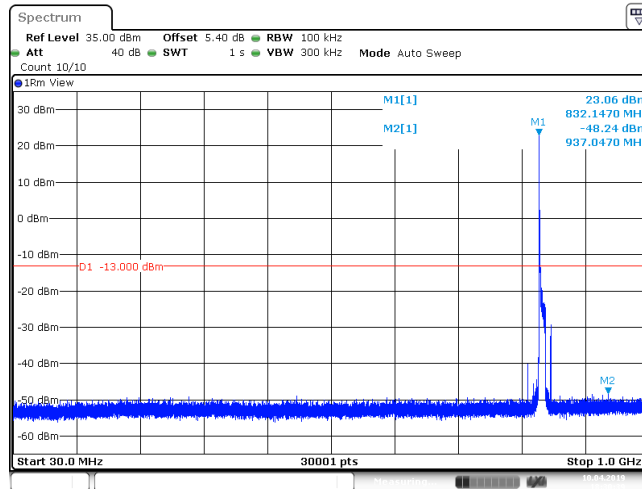
Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points =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

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

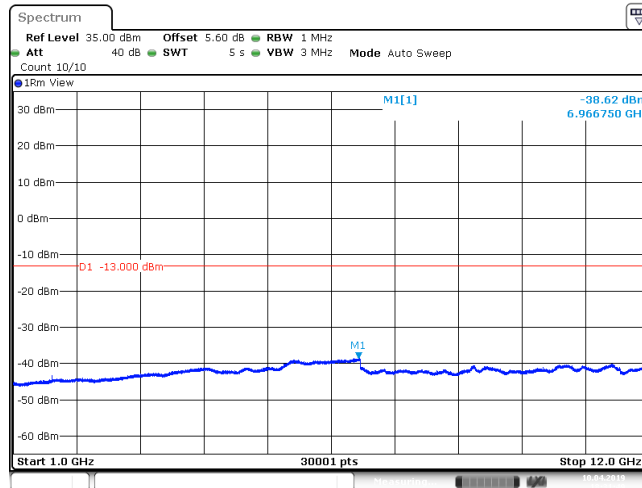
6.1. Test Plots



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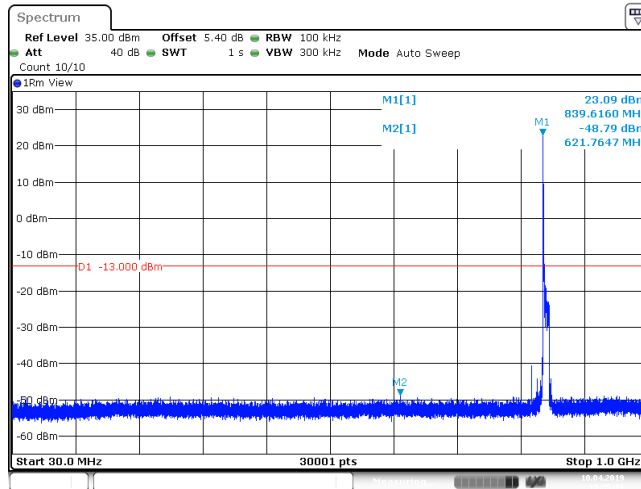
Band5_10MHz_QPSK_20525_1RB#0



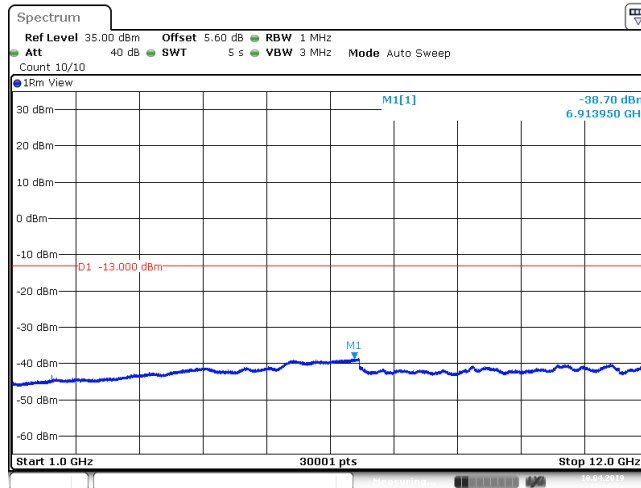
Band5_10MHz_QPSK_20600_1RB#0



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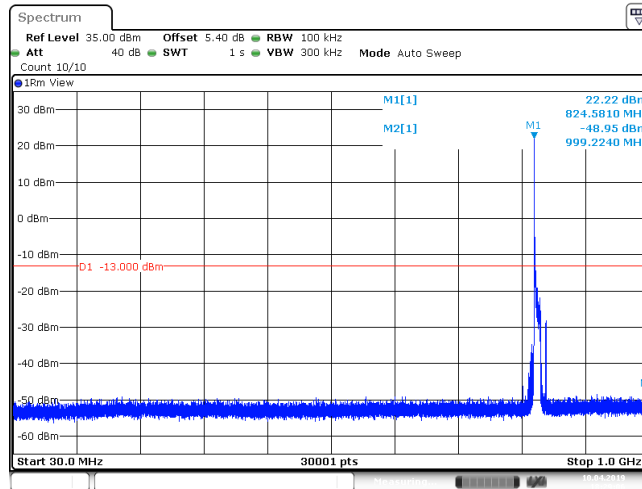
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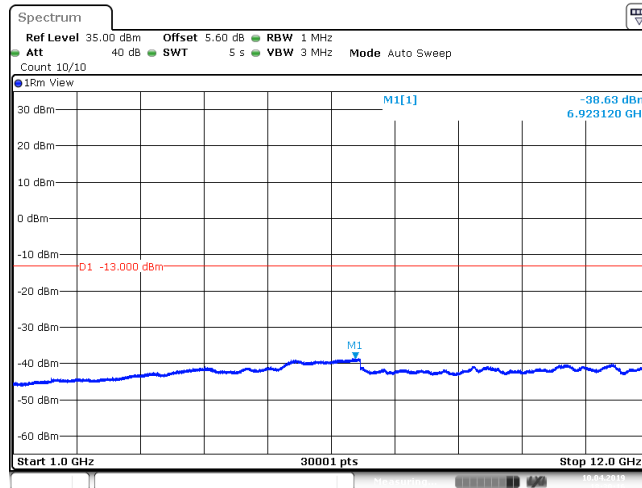
Band5_10MHz_64QAM_20450_1RB#0



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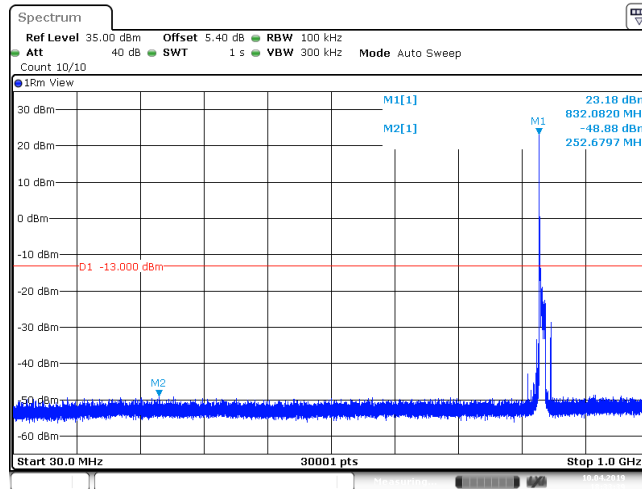
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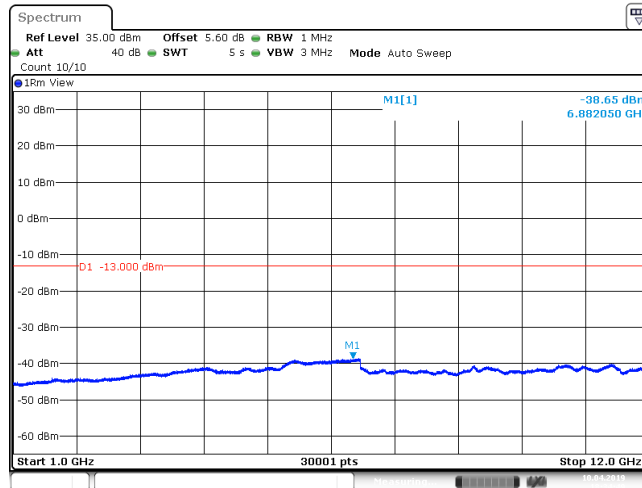
Band5_10MHz_64QAM_20525_1RB#0



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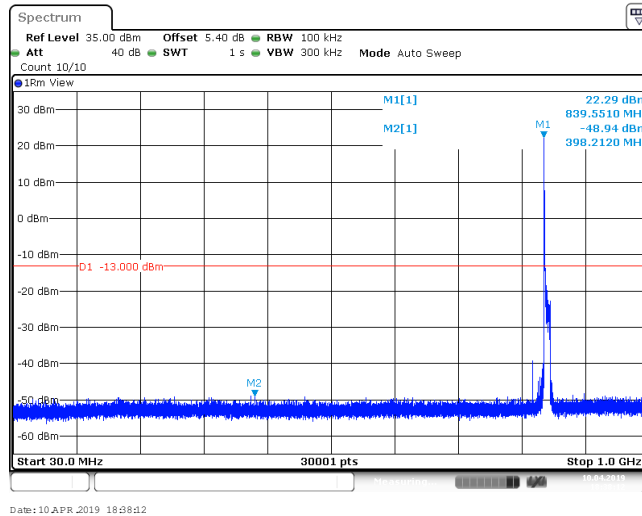
Band5_10MHz_64QAM_20525_1RB#0



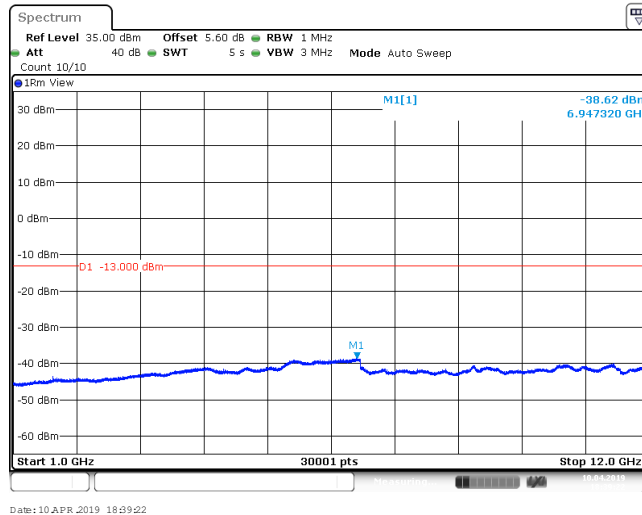
Band5_10MHz_64QAM_20600_1RB#0



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Band5_10MHz_64QAM_20600_1RB#0

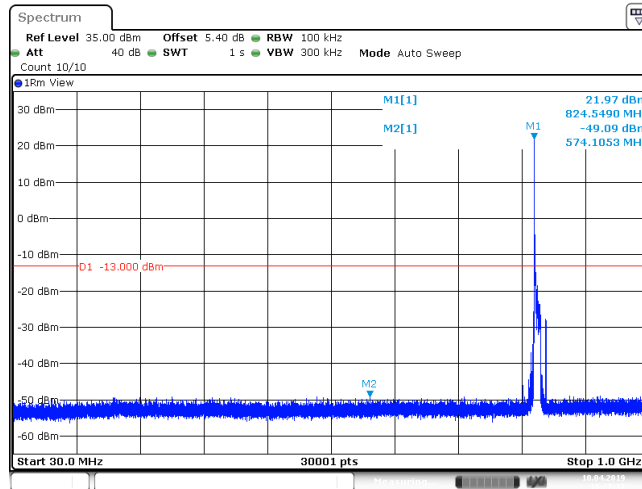


Band5_10MHz_16QAM_20450_1RB#0

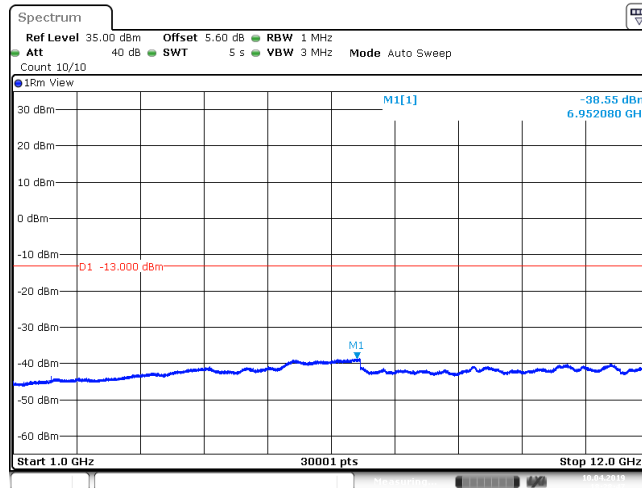


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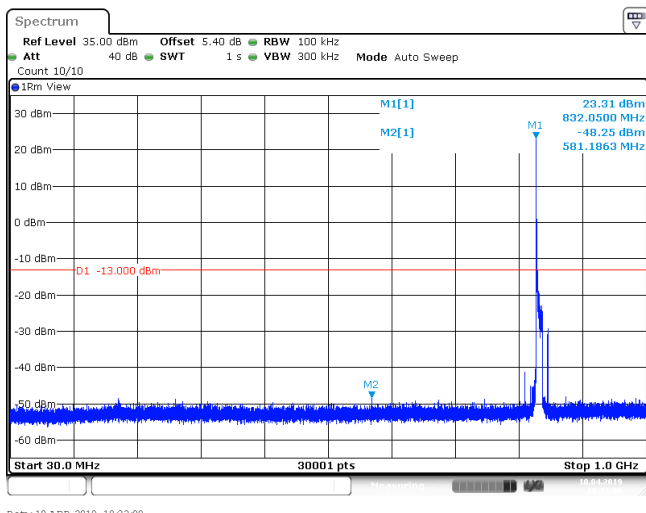
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Band5_10MHz_16QAM_20525_1RB#0

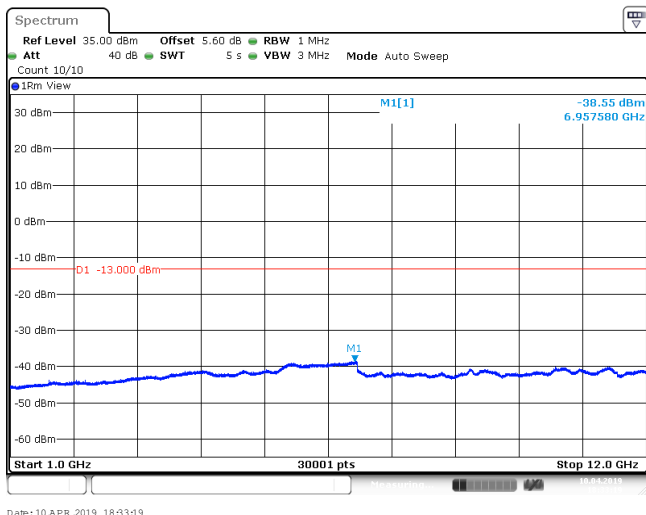


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Date: 10.APR.2019 18:52:29

Band5_10MHz_16QAM_20525_1RB#0

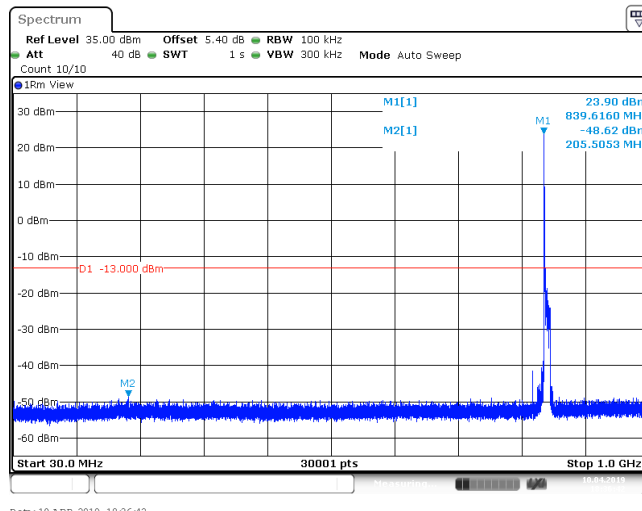


Date: 10.APR.2019 18:53:19

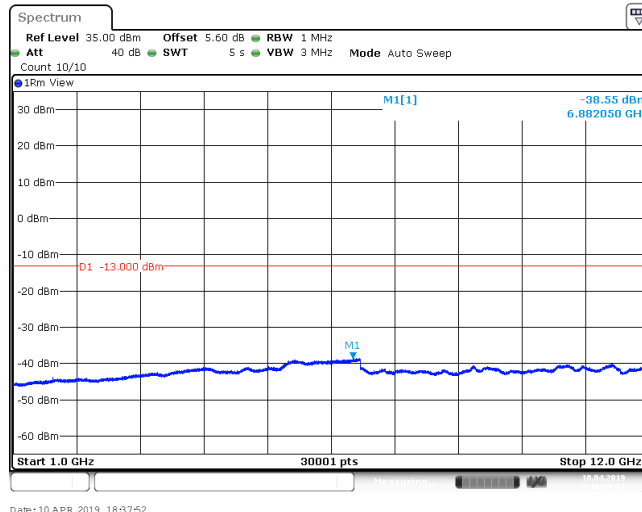
Band5_10MHz_16QAM_20600_1RB#0



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Band5_10MHz_16QAM_20600_1RB#0



7. Field Strength of Spurious Radiation

7.1. Main Antenna

7.1.1. Test BAND = LTE Band 5

7.1.1.1. Test Mode = LTE/TM1 10MHz

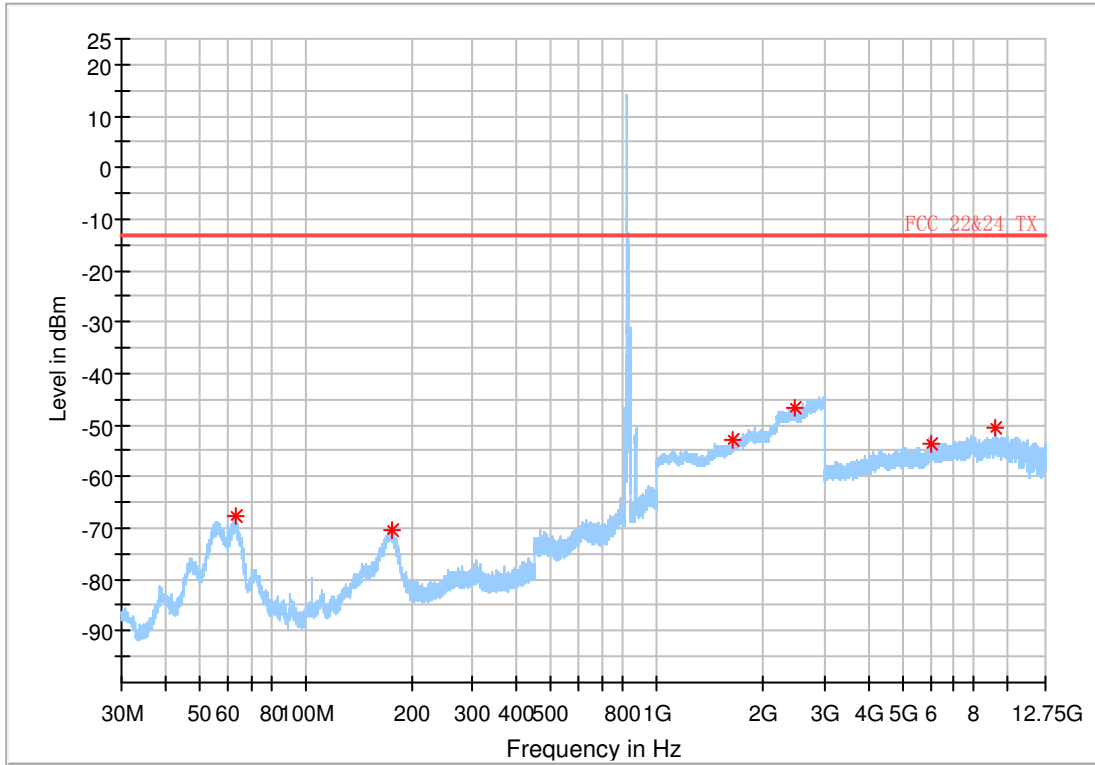
7.1.1.1.1. Test Channel = LCH



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7.1.1.1.1. Horizontal

Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
62.993333	-67.71	-13.00	54.71	---	---	200.0	H	312.0	-95.7
176.533333	-70.43	-13.00	57.43	---	---	200.0	H	218.0	-107.2
1653.000000	-52.84	-13.00	39.84	---	---	200.0	H	0.0	-87.3
2464.500000	-46.81	-13.00	33.81	---	---	200.0	H	323.0	-80.8
6022.500000	-53.83	-13.00	40.83	---	---	200.0	H	0.0	-100.1
9229.275000	-50.46	-13.00	37.46	---	---	200.0	H	0.0	-96.9

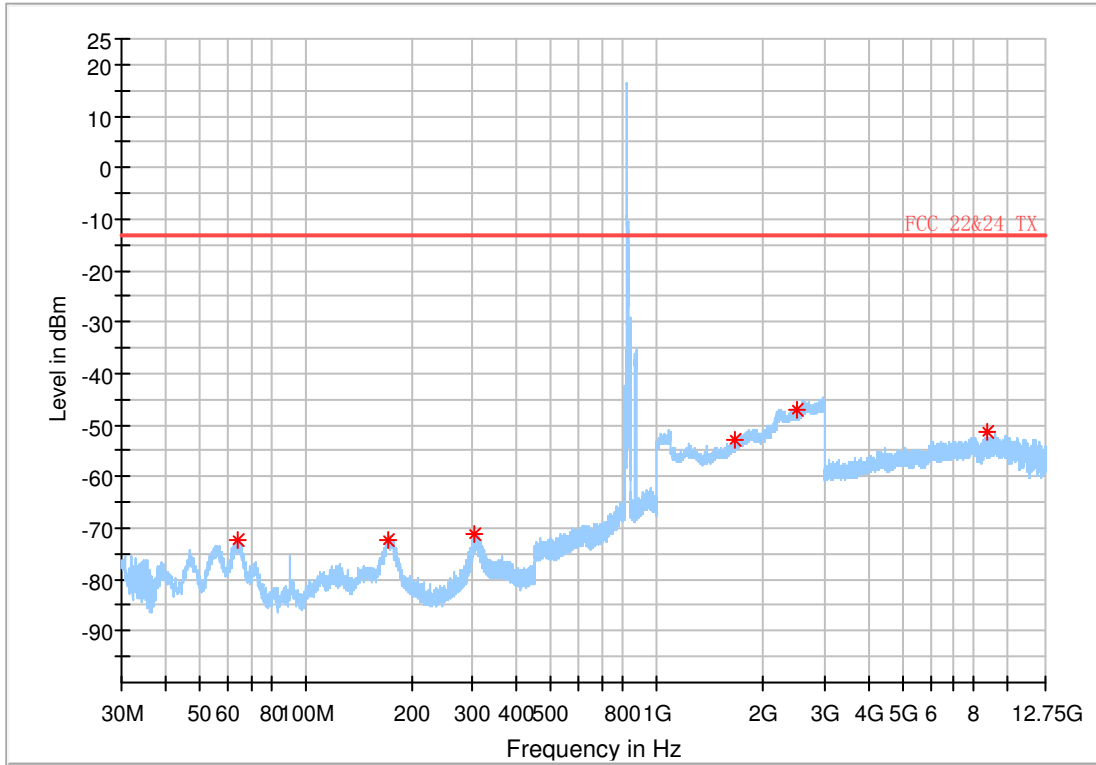


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7.1.1.1.1.2. Vertical

Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
64.486667	-72.37	-13.00	59.37	---	---	200.0	V	359.0	-99.9
171.633333	-72.43	-13.00	59.43	---	---	200.0	V	77.0	-108.9
303.513333	-71.29	-13.00	58.29	---	---	200.0	V	0.0	-102.3
1665.000000	-52.72	-13.00	39.72	---	---	200.0	V	214.0	-87.3
2488.000000	-47.17	-13.00	34.17	---	---	200.0	V	250.0	-80.9
8661.825000	-51.19	-13.00	38.19	---	---	200.0	V	0.0	-97.5



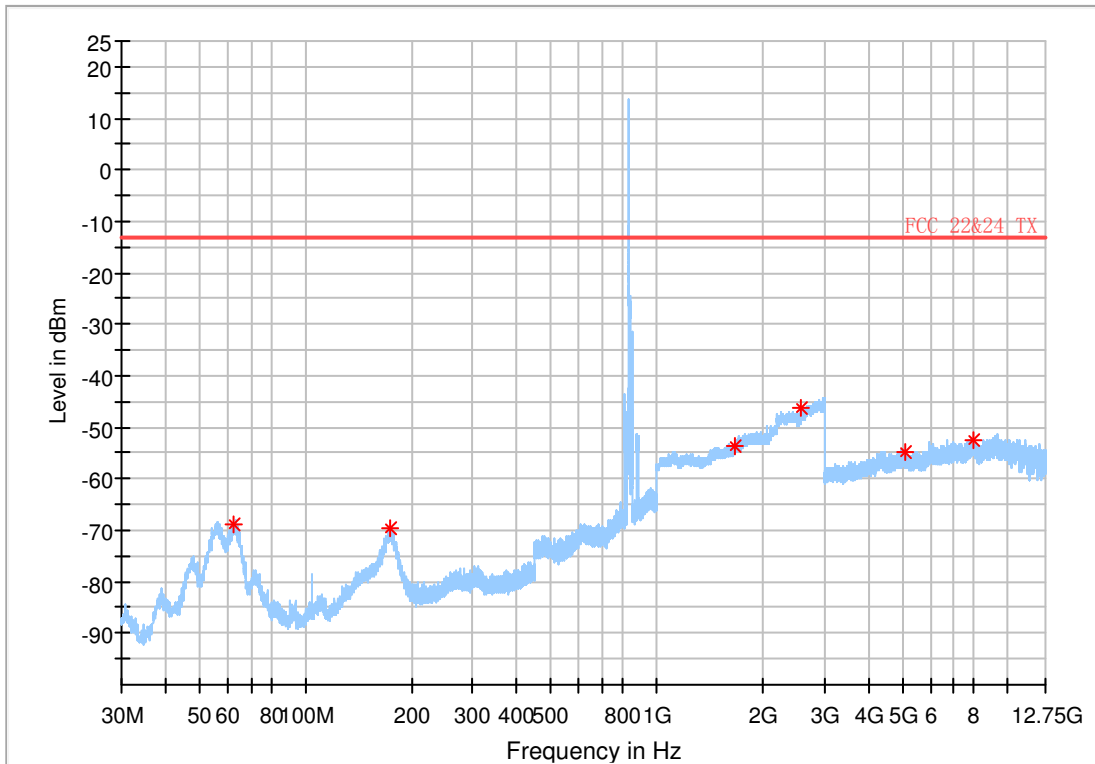
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7.1.1.1.2. Test Channel = MCH

7.1.1.1.2.1. Horizontal

Full Spectrum



Critical_Freqs

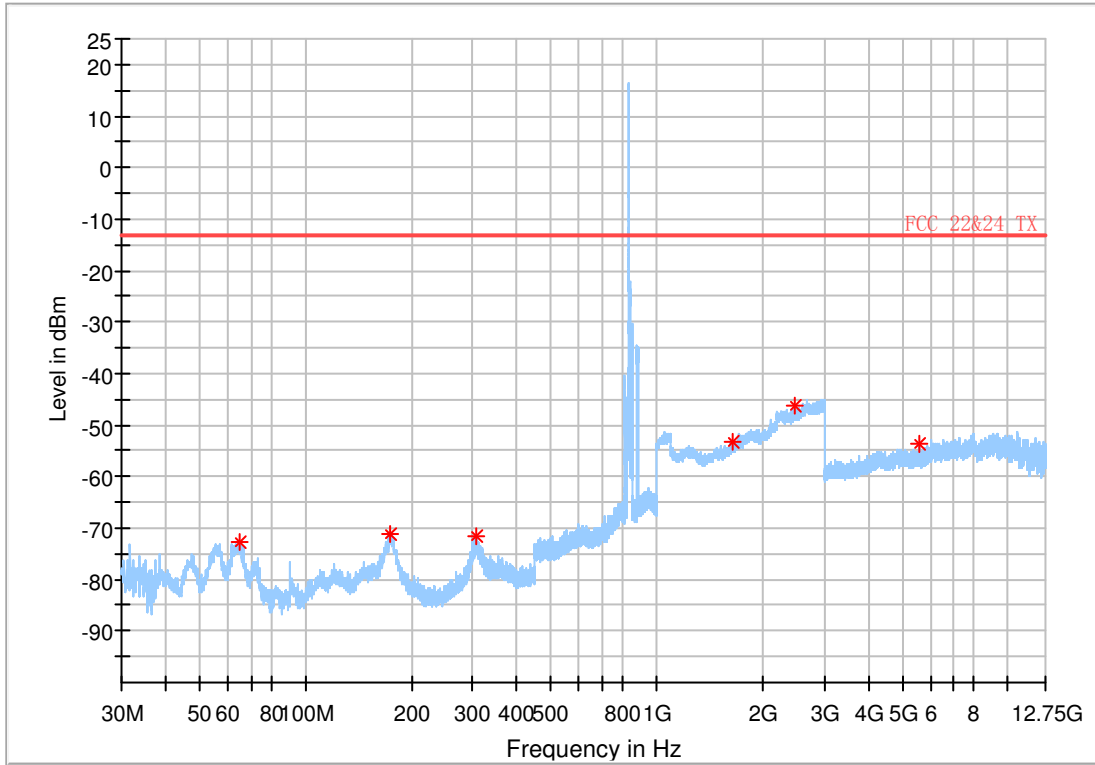
Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
62.900000	-68.71	-13.00	55.71	---	---	200.0	H	0.0	-95.6
175.273333	-69.79	-13.00	56.79	---	---	200.0	H	216.0	-107.2
1665.500000	-53.56	-13.00	40.56	---	---	200.0	H	71.0	-87.4
2574.500000	-46.42	-13.00	33.42	---	---	200.0	H	0.0	-80.6
5079.025000	-54.80	-13.00	41.80	---	---	200.0	H	0.0	-101.5
7918.550000	-52.45	-13.00	39.45	---	---	200.0	H	2.0	-97.9



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7.1.1.1.2.2. Vertical

Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
65.000000	-72.77	-13.00	59.77	---	---	200.0	V	358.0	-99.8
175.040000	-71.29	-13.00	58.29	---	---	200.0	V	51.0	-109.1
307.013333	-71.68	-13.00	58.68	---	---	200.0	V	358.0	-102.2
1652.000000	-53.23	-13.00	40.23	---	---	200.0	V	1.0	-87.3
2466.500000	-46.24	-13.00	33.24	---	---	200.0	V	0.0	-80.7
5543.125000	-53.79	-13.00	40.79	---	---	200.0	V	0.0	-101.3



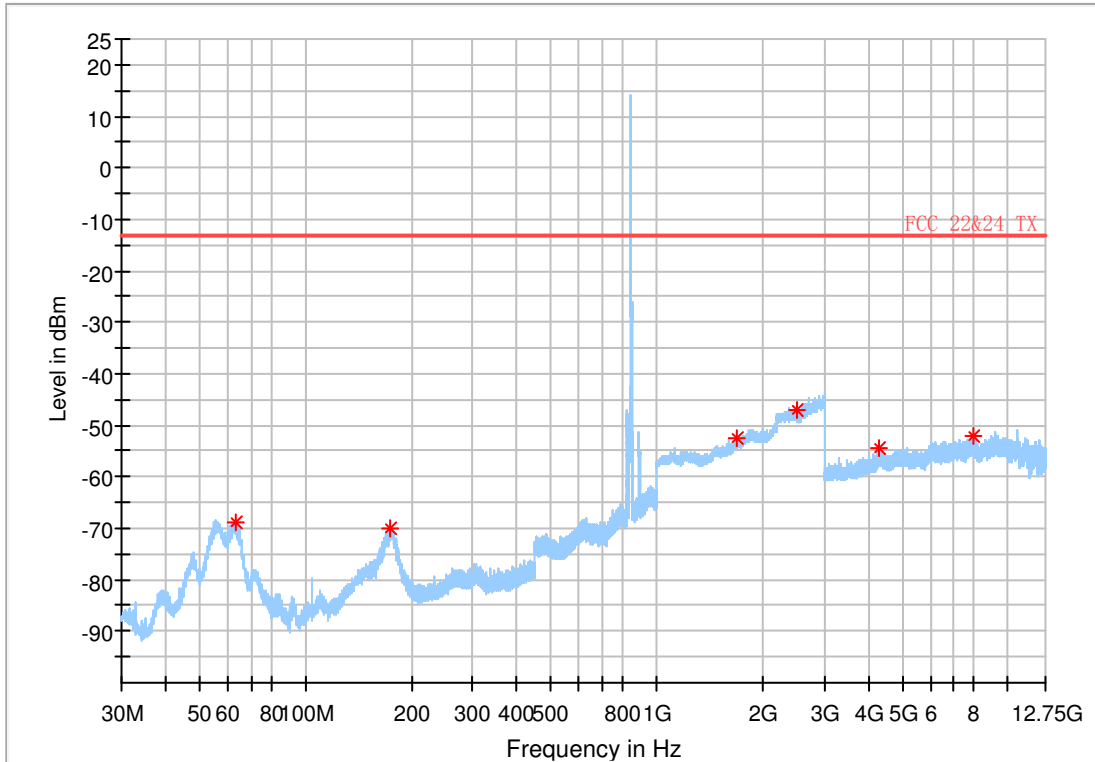
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7.1.1.1.3. Test Channel = HCH

7.1.1.1.3.1. Horizontal

Full Spectrum



Critical_Freqs

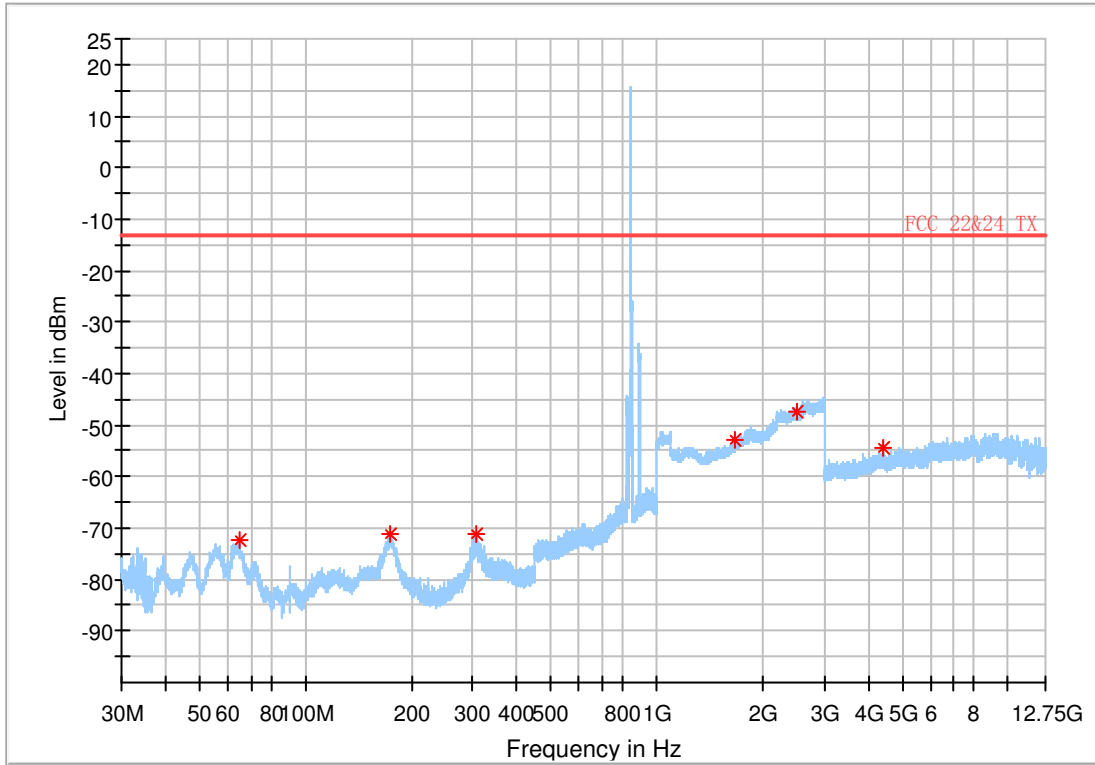
Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
62.993333	-68.66	-13.00	55.66	---	---	200.0	H	219.0	-95.7
173.313333	-69.83	-13.00	56.83	---	---	200.0	H	219.0	-107.1
1684.500000	-52.60	-13.00	39.60	---	---	200.0	H	0.0	-87.1
2512.000000	-47.04	-13.00	34.04	---	---	200.0	H	0.0	-81.4
4310.400000	-54.51	-13.00	41.51	---	---	200.0	H	212.0	-102.6
7942.275000	-52.06	-13.00	39.06	---	---	200.0	H	0.0	-98.0



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7.1.1.1.3.2. Vertical

Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
64.813333	-72.46	-13.00	59.46	---	---	200.0	V	311.0	-99.8
174.153333	-71.30	-13.00	58.30	---	---	200.0	V	102.0	-109.0
305.753333	-71.35	-13.00	58.35	---	---	200.0	V	0.0	-102.2
1666.000000	-53.07	-13.00	40.07	---	---	200.0	V	1.0	-87.3
2517.500000	-47.37	-13.00	34.37	---	---	200.0	V	0.0	-81.1
4415.050000	-54.45	-13.00	41.45	---	---	200.0	V	0.0	-102.8



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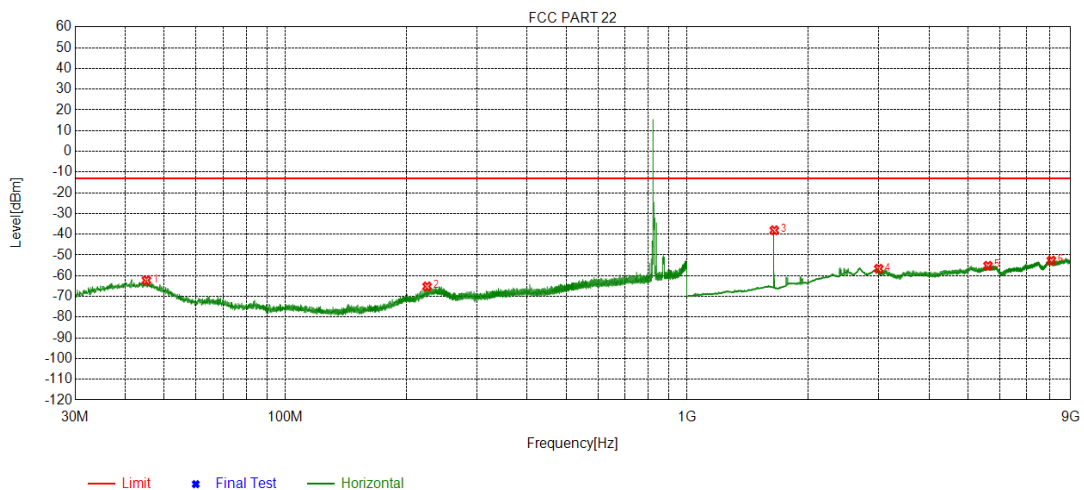
7.2. Secondary Antenna

7.2.1. Test BAND = LTE Band 5

7.2.1.1. Test Mode = LTE/TM1 10MHz

7.2.1.1.1. Test Channel = LCH

7.2.1.1.1.1. Horizontal

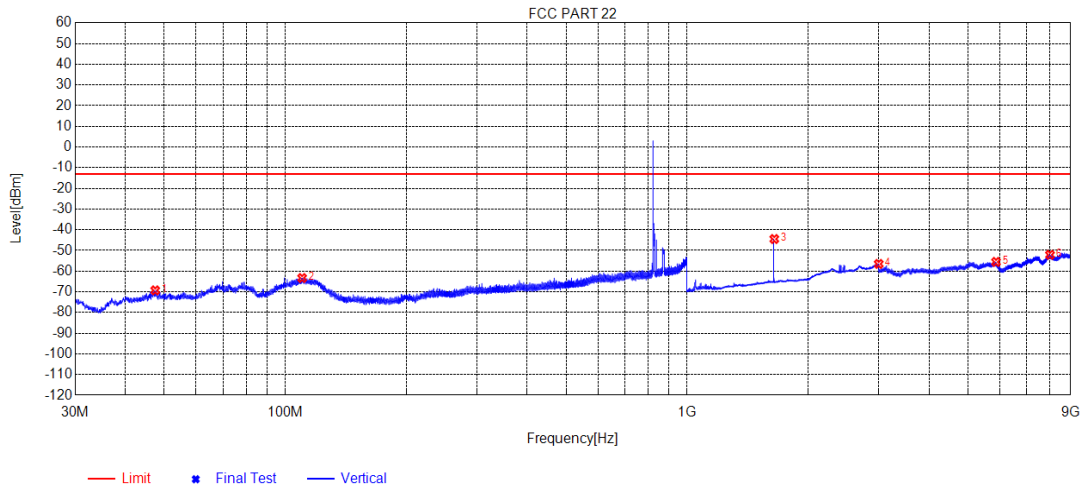


Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	45.1328	-69.17	-62.23	-13.00	49.23	6.94	Horizontal
2	225.4163	-67.19	-65.19	-13.00	52.19	2.00	Horizontal
3	1648.929	-42.13	-38.08	-13.00	25.08	4.05	Horizontal
4	3000.000	-70.26	-56.66	-13.00	43.66	13.60	Horizontal
5	5611.687	-76.95	-55.23	-13.00	42.23	21.72	Horizontal
6	8068.368	-77.39	-52.71	-13.00	39.71	24.68	Horizontal



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7.2.1.1.1.2. Vertical



Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	47.4609	-67.54	-69.28	-13.00	56.28	-1.74	Vertical
2	110.1260	-69.71	-63.31	-13.00	50.31	6.40	Vertical
3	1648.929	-49.14	-44.46	-13.00	31.46	4.68	Vertical
4	3000.000	-70.23	-56.51	-13.00	43.51	13.72	Vertical
5	5875.495	-77.27	-55.52	-13.00	42.52	21.75	Vertical
6	8005.566	-77.42	-52.10	-13.00	39.10	25.32	Vertical

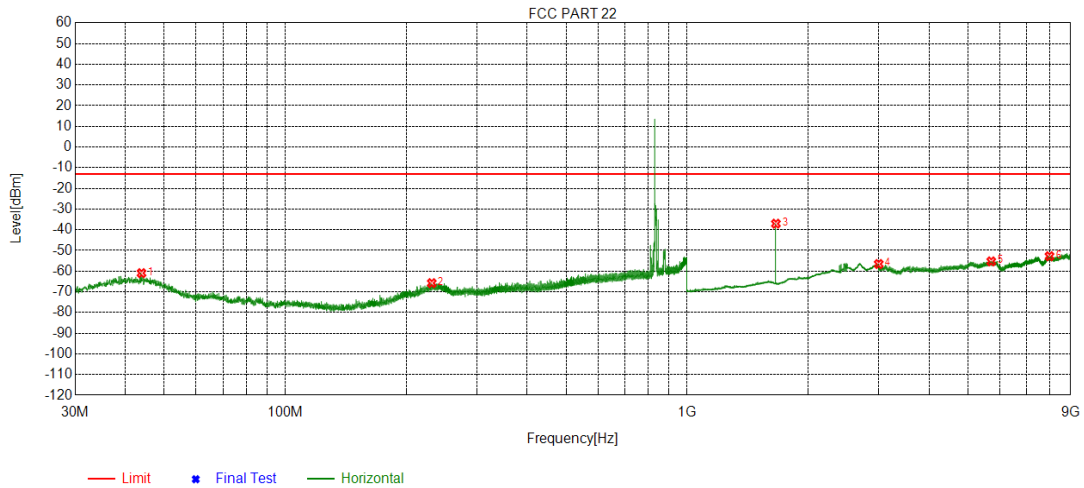


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7.2.1.1.2. Test Channel = MCH

7.2.1.1.2.1. Horizontal



Suspected Data List

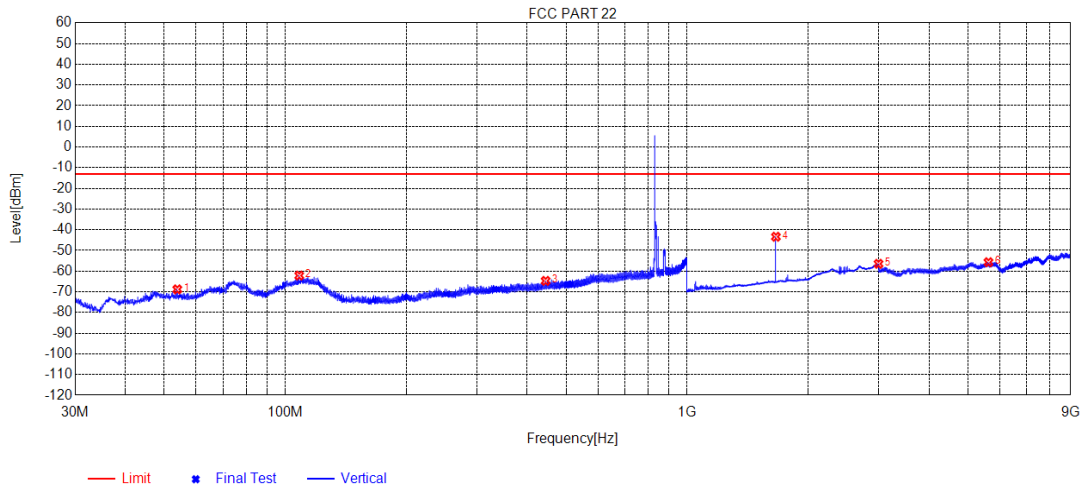
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	43.8717	-67.91	-60.95	-13.00	47.95	6.96	Horizontal
2	231.5276	-68.60	-65.78	-13.00	52.78	2.82	Horizontal
3	1664.132	-40.94	-37.04	-13.00	24.04	3.90	Horizontal
4	2999.599	-70.14	-56.55	-13.00	43.55	13.59	Horizontal
5	5717.090	-77.04	-55.27	-13.00	42.27	21.77	Horizontal
6	7983.166	-77.33	-52.78	-13.00	39.78	24.55	Horizontal



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7.2.1.1.2.2. Vertical



Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	53.8632	-67.36	-68.80	-13.00	55.80	-1.44	Vertical
2	108.3314	-68.15	-62.13	-13.00	49.13	6.02	Vertical
3	444.6957	-68.58	-64.70	-13.00	51.70	3.88	Vertical
4	1664.132	-48.09	-43.36	-13.00	30.36	4.73	Vertical
5	2995.999	-70.08	-56.44	-13.00	43.44	13.64	Vertical
6	5626.287	-77.00	-55.68	-13.00	42.68	21.32	Vertical

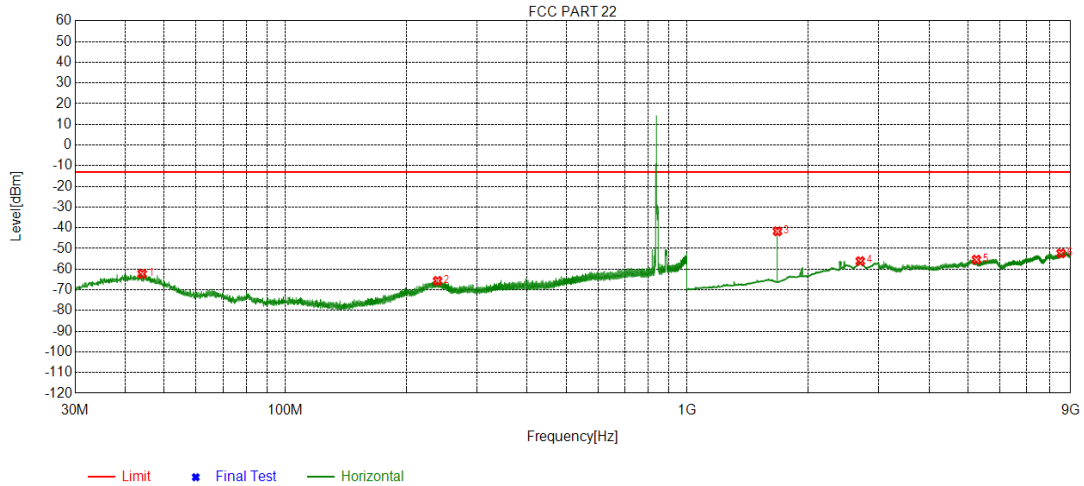


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7.2.1.1.3. Test Channel = HCH

7.2.1.1.3.1. Horizontal



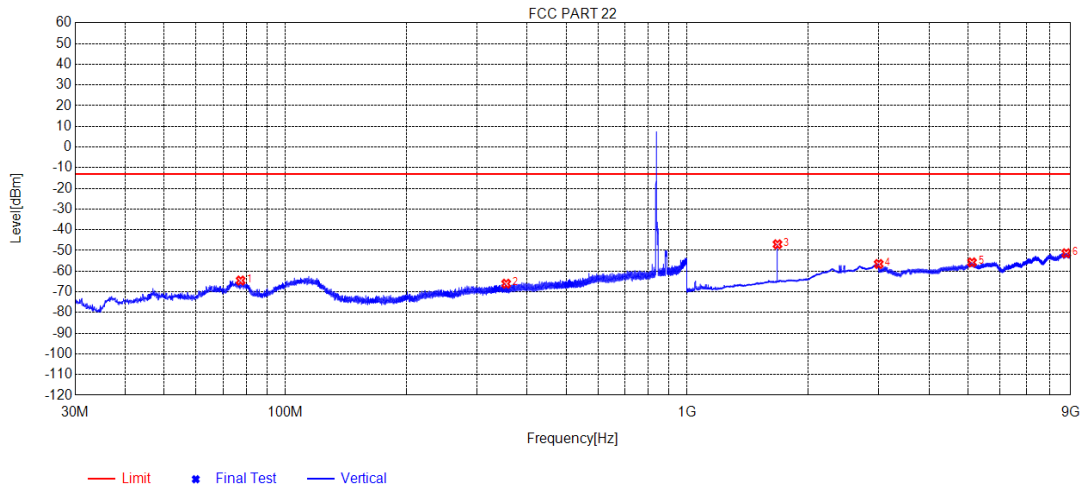
Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	44.0172	-69.23	-62.26	-13.00	49.26	6.97	Horizontal
2	239.3850	-68.47	-65.68	-13.00	52.68	2.79	Horizontal
3	1678.935	-45.46	-41.70	-13.00	28.70	3.76	Horizontal
4	2699.139	-69.03	-56.12	-13.00	43.12	12.91	Horizontal
5	5250.475	-76.39	-55.39	-13.00	42.39	21.00	Horizontal
6	8530.984	-77.35	-52.35	-13.00	39.35	25.00	Horizontal



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7.2.1.1.3.2. Vertical



Suspected Data List							
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Polarity
1	77.4354	-65.95	-64.54	-13.00	51.54	1.41	Vertical
2	354.6267	-68.28	-66.06	-13.00	53.06	2.22	Vertical
3	1679.335	-51.79	-47.01	-13.00	34.01	4.78	Vertical
4	2999.599	-70.25	-56.54	-13.00	43.54	13.71	Vertical
5	5119.070	-76.96	-55.76	-13.00	42.76	21.20	Vertical
6	8786.392	-77.66	-51.34	-13.00	38.34	26.32	Vertical

Remark:

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

We have tested all modulation and all Bandwidth , but only the worst case data presented in this report.



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8. Frequency Stability

8.1. Frequency Vs Voltage

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	3.28	0.003957	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	VN	NT	3.03	0.003655	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	VH	NT	2.50	0.003016	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VL	NT	2.76	0.003299	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VN	NT	2.73	0.003264	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	2.85	0.003407	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VL	NT	-2.55	-0.003021	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VN	NT	-2.53	-0.002998	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VH	NT	-2.56	-0.003033	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	VL	NT	-2.86	-0.003450	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	VN	NT	3.09	0.003727	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	VH	NT	2.39	0.002883	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	VL	NT	2.45	0.002929	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	VN	NT	2.25	0.002690	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	VH	NT	2.66	0.003180	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	VL	NT	-2.20	-0.002607	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	VN	NT	-2.47	-0.002927	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	VH	NT	-2.68	-0.003175	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VL	NT	2.95	0.003559	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VN	NT	2.96	0.003571	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VH	NT	3.00	0.003619	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VL	NT	2.59	0.003096	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VN	NT	2.39	0.002857	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VH	NT	3.10	0.003706	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VL	NT	-2.46	-0.002915	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VN	NT	-2.70	-0.003199	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VH	NT	-2.98	-0.003531	±2.5	PASS

8.2. Frequency Vs Temperature

Temperature



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BAND	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	10MHz	QPSK	20450	50RB#0	NV	-30	-4.33	-0.005223	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-20	2.29	0.002762	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	0	1.89	0.002280	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	10	2.20	0.002654	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	20	2.63	0.003172	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	30	2.49	0.003004	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	40	2.40	0.002895	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	50	2.37	0.002859	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-30	2.53	0.003025	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	-2.68	-0.003204	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	2.22	0.002654	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	2.02	0.002415	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	2.00	0.002391	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	2.19	0.002618	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	-2.37	-0.002833	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	2.03	0.002427	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-30	-2.59	-0.003069	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-20	-3.35	-0.003969	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	0	-2.83	-0.003353	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	10	-2.99	-0.003543	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	20	-3.28	-0.003886	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	30	-2.16	-0.002559	±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	-2.46	-0.002915	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	-30	2.12	0.002557	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	-20	-6.49	-0.007829	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	0	2.26	0.002726	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	10	2.83	0.003414	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	20	2.66	0.003209	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	30	2.86	0.003450	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	40	3.68	0.004439	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	50	3.30	0.003981	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	-30	2.15	0.002570	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	-20	3.33	0.003981	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	0	2.12	0.002534	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	10	2.42	0.002893	±2.5	PASS



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Band5	10MHz	64QAM	20525	50RB#0	NV	20	2.57	0.003072	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	30	2.83	0.003383	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	40	2.36	0.002821	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	50	2.20	0.002630	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	-30	-2.72	-0.003223	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	-20	-2.59	-0.003069	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	0	-2.55	-0.003021	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	10	-2.50	-0.002962	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	20	-3.06	-0.003626	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	30	-2.82	-0.003341	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	40	-3.25	-0.003851	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	50	-2.99	-0.003543	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	-30	2.25	0.002714	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	-20	2.69	0.003245	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	0	2.89	0.003486	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	10	3.28	0.003957	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	20	2.66	0.003209	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	30	2.37	0.002859	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	40	2.30	0.002774	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	50	2.80	0.003378	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	-30	2.80	0.003347	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	-20	2.69	0.003216	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	0	-2.26	-0.002702	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	10	2.56	0.003060	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	20	2.59	0.003096	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	30	-2.59	-0.003096	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	40	2.37	0.002833	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	50	2.46	0.002941	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	-30	-2.23	-0.002642	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	-20	-2.89	-0.003424	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	0	-3.00	-0.003555	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	10	-2.83	-0.003353	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	20	-2.63	-0.003116	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	30	-2.12	-0.002512	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	40	-2.90	-0.003436	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	50	-2.57	-0.003045	±2.5	PASS

The End



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