Appendix B

E-UTRA Band 12

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CONTENT

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

1.1. TEST RESULT....4

2. PEAK-TO-AVERAGE RATIO (CCDF)....13

2.1. TEST RESULT....13

2.2. TEST PLOTS....14

3. MODULATION CHARACTERISTICS....19

3.1. TEST MODE = LTE /TM1 10MHZ....19

3.1.1. TEST CHANNEL = MCH....19

3.2. TEST MODE = LTE /TM2 10MHZ....20

3.2.1. TEST CHANNEL = MCH....20

3.3. TEST MODE = LTE /TM3 10MHZ....21

3.3.1. TEST CHANNEL = MCH....21

4. 26DB BANDWIDTH AND OCCUPIED BANDWIDTH....22

4.1. TEST RESULT....22

4.2. TEST PLOTS....23

5. BAND EDGE COMPLIANCE....42

5.1. TEST PLOTS....42

6. SPURIOUS EMISSION AT ANTENNA TERMINAL....67

6.1. TEST PLOTS....67

7. FIELD STRENGTH OF SPURIOUS RADIATION....77

7.1. TEST MODE =LTE/TM1 10MHZ....77

7.1.1. TEST CHANNEL = LCH....77

7.1.2. TEST CHANNEL = MCH....77

7.1.3. TEST CHANNEL = HCH....78

8. FREQUENCY STABILITY....79

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8.1. FREQUENCY VS VOLTAGE 79
8.2. FREQUENCY VS TEMPERATURE 80

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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
Band12	1.4MHz	QPSK	23017	1RB#0	24.67	19.72	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	24.65	19.70	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	24.78	19.83	34.77	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	24.83	19.88	34.77	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	24.75	19.80	34.77	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	24.78	19.83	34.77	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	23.78	18.83	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	24.60	19.65	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	24.74	19.79	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	24.62	19.67	34.77	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	24.73	19.78	34.77	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	24.73	19.78	34.77	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	24.80	19.85	34.77	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	23.74	18.79	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	24.59	19.64	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	24.73	19.78	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	24.56	19.61	34.77	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	24.67	19.72	34.77	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	24.73	19.78	34.77	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	24.67	19.72	34.77	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	23.70	18.75	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#2	22.86	17.91	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#0	22.75	17.80	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#5	22.72	17.77	34.77	PASS
Band12	1.4MHz	64QAM	23017	3RB#0	22.79	17.84	34.77	PASS

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Band12	1.4MHz	64QAM	23017	3RB#1	22.87	17.92	34.77	PASS
Band12	1.4MHz	64QAM	23017	3RB#3	22.78	17.83	34.77	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	21.73	16.78	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#0	22.69	17.74	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#2	22.85	17.90	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#5	22.71	17.76	34.77	PASS
Band12	1.4MHz	64QAM	23095	3RB#1	22.84	17.89	34.77	PASS
Band12	1.4MHz	64QAM	23095	3RB#3	22.75	17.80	34.77	PASS
Band12	1.4MHz	64QAM	23095	3RB#0	22.76	17.81	34.77	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	21.71	16.76	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#0	22.71	17.76	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#2	22.78	17.83	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#5	22.63	17.68	34.77	PASS
Band12	1.4MHz	64QAM	23173	3RB#1	22.75	17.80	34.77	PASS
Band12	1.4MHz	64QAM	23173	3RB#3	22.72	17.77	34.77	PASS
Band12	1.4MHz	64QAM	23173	3RB#0	22.70	17.75	34.77	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	21.62	16.67	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	23.89	18.94	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	23.88	18.93	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	24.06	19.11	34.77	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	23.76	18.81	34.77	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	23.82	18.87	34.77	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	23.80	18.85	34.77	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	22.82	17.87	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	23.75	18.80	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	23.86	18.91	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	24.00	19.05	34.77	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	23.76	18.81	34.77	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	23.84	18.89	34.77	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	23.80	18.85	34.77	PASS

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Band12	1.4MHz	16QAM	23095	6RB#0	22.78	17.83	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	23.73	18.78	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	23.91	18.96	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	23.81	18.86	34.77	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	23.74	18.79	34.77	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	23.73	18.78	34.77	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	23.76	18.81	34.77	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	22.75	17.80	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#8	24.75	19.80	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#14	24.75	19.80	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#0	24.78	19.83	34.77	PASS
Band12	3MHz	QPSK	23025	8RB#4	23.78	18.83	34.77	PASS
Band12	3MHz	QPSK	23025	8RB#7	23.75	18.80	34.77	PASS
Band12	3MHz	QPSK	23025	8RB#0	23.76	18.81	34.77	PASS
Band12	3MHz	QPSK	23025	15RB#0	23.75	18.80	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#0	24.70	19.75	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#8	24.72	19.77	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#14	24.68	19.73	34.77	PASS
Band12	3MHz	QPSK	23095	8RB#4	23.74	18.79	34.77	PASS
Band12	3MHz	QPSK	23095	8RB#7	23.74	18.79	34.77	PASS
Band12	3MHz	QPSK	23095	8RB#0	23.72	18.77	34.77	PASS
Band12	3MHz	QPSK	23095	15RB#0	23.72	18.77	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#14	24.64	19.69	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#8	24.65	19.70	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#0	24.68	19.73	34.77	PASS
Band12	3MHz	QPSK	23165	8RB#0	23.71	18.76	34.77	PASS
Band12	3MHz	QPSK	23165	8RB#4	23.71	18.76	34.77	PASS
Band12	3MHz	QPSK	23165	8RB#7	23.65	18.70	34.77	PASS
Band12	3MHz	QPSK	23165	15RB#0	23.69	18.74	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#0	22.84	17.89	34.77	PASS

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Band12	3MHz	64QAM	23025	1RB#14	22.81	17.86	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#8	22.80	17.85	34.77	PASS
Band12	3MHz	64QAM	23025	8RB#7	21.73	16.78	34.77	PASS
Band12	3MHz	64QAM	23025	8RB#4	21.74	16.79	34.77	PASS
Band12	3MHz	64QAM	23025	8RB#0	21.75	16.80	34.77	PASS
Band12	3MHz	64QAM	23025	15RB#0	21.72	16.77	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#14	22.75	17.80	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#8	22.78	17.83	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#0	22.74	17.79	34.77	PASS
Band12	3MHz	64QAM	23095	8RB#7	21.70	16.75	34.77	PASS
Band12	3MHz	64QAM	23095	8RB#4	21.72	16.77	34.77	PASS
Band12	3MHz	64QAM	23095	8RB#0	21.72	16.77	34.77	PASS
Band12	3MHz	64QAM	23095	15RB#0	21.67	16.72	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#8	22.73	17.78	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#0	22.76	17.81	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#14	22.72	17.77	34.77	PASS
Band12	3MHz	64QAM	23165	8RB#4	21.67	16.72	34.77	PASS
Band12	3MHz	64QAM	23165	8RB#0	21.69	16.74	34.77	PASS
Band12	3MHz	64QAM	23165	8RB#7	21.63	16.68	34.77	PASS
Band12	3MHz	64QAM	23165	15RB#0	21.64	16.69	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#14	24.02	19.07	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#0	23.91	18.96	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#8	23.94	18.99	34.77	PASS
Band12	3MHz	16QAM	23025	8RB#4	22.85	17.90	34.77	PASS
Band12	3MHz	16QAM	23025	8RB#0	22.80	17.85	34.77	PASS
Band12	3MHz	16QAM	23025	8RB#7	22.80	17.85	34.77	PASS
Band12	3MHz	16QAM	23025	15RB#0	22.72	17.77	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#0	23.88	18.93	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#14	23.97	19.02	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#8	23.81	18.86	34.77	PASS

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Band12	3MHz	16QAM	23095	8RB#4	22.80	17.85	34.77	PASS
Band12	3MHz	16QAM	23095	8RB#7	22.77	17.82	34.77	PASS
Band12	3MHz	16QAM	23095	8RB#0	22.77	17.82	34.77	PASS
Band12	3MHz	16QAM	23095	15RB#0	22.68	17.73	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#14	23.76	18.81	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#8	23.85	18.90	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#0	23.91	18.96	34.77	PASS
Band12	3MHz	16QAM	23165	8RB#0	22.76	17.81	34.77	PASS
Band12	3MHz	16QAM	23165	8RB#4	22.75	17.80	34.77	PASS
Band12	3MHz	16QAM	23165	8RB#7	22.69	17.74	34.77	PASS
Band12	3MHz	16QAM	23165	15RB#0	22.66	17.71	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#24	24.59	19.64	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#0	24.66	19.71	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#12	24.91	19.96	34.77	PASS
Band12	5MHz	QPSK	23035	12RB#13	23.78	18.83	34.77	PASS
Band12	5MHz	QPSK	23035	12RB#6	23.79	18.84	34.77	PASS
Band12	5MHz	QPSK	23035	12RB#0	23.73	18.78	34.77	PASS
Band12	5MHz	QPSK	23035	25RB#0	23.78	18.83	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#24	24.58	19.63	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#0	24.61	19.66	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#12	24.85	19.90	34.77	PASS
Band12	5MHz	QPSK	23095	12RB#13	23.67	18.72	34.77	PASS
Band12	5MHz	QPSK	23095	12RB#0	23.73	18.78	34.77	PASS
Band12	5MHz	QPSK	23095	12RB#6	23.75	18.80	34.77	PASS
Band12	5MHz	QPSK	23095	25RB#0	23.73	18.78	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#0	24.55	19.60	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#24	24.51	19.56	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#12	24.81	19.86	34.77	PASS
Band12	5MHz	QPSK	23155	12RB#13	23.60	18.65	34.77	PASS
Band12	5MHz	QPSK	23155	12RB#0	23.72	18.77	34.77	PASS

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Band12	5MHz	QPSK	23155	12RB#6	23.76	18.81	34.77	PASS
Band12	5MHz	QPSK	23155	25RB#0	23.67	18.72	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#12	23.00	18.05	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#0	22.68	17.73	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#24	22.66	17.71	34.77	PASS
Band12	5MHz	64QAM	23035	12RB#13	21.74	16.79	34.77	PASS
Band12	5MHz	64QAM	23035	12RB#6	21.75	16.80	34.77	PASS
Band12	5MHz	64QAM	23035	12RB#0	21.67	16.72	34.77	PASS
Band12	5MHz	64QAM	23035	25RB#0	21.75	16.80	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#0	22.70	17.75	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#12	22.90	17.95	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#24	22.61	17.66	34.77	PASS
Band12	5MHz	64QAM	23095	12RB#0	21.70	16.75	34.77	PASS
Band12	5MHz	64QAM	23095	12RB#6	21.72	16.77	34.77	PASS
Band12	5MHz	64QAM	23095	12RB#13	21.63	16.68	34.77	PASS
Band12	5MHz	64QAM	23095	25RB#0	21.68	16.73	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#24	22.62	17.67	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#0	22.63	17.68	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#12	22.88	17.93	34.77	PASS
Band12	5MHz	64QAM	23155	12RB#0	21.64	16.69	34.77	PASS
Band12	5MHz	64QAM	23155	12RB#6	21.70	16.75	34.77	PASS
Band12	5MHz	64QAM	23155	12RB#13	21.58	16.63	34.77	PASS
Band12	5MHz	64QAM	23155	25RB#0	21.64	16.69	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#12	24.08	19.13	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#24	23.72	18.77	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#0	23.84	18.89	34.77	PASS
Band12	5MHz	16QAM	23035	12RB#0	22.72	17.77	34.77	PASS
Band12	5MHz	16QAM	23035	12RB#6	22.78	17.83	34.77	PASS
Band12	5MHz	16QAM	23035	12RB#13	22.79	17.84	34.77	PASS
Band12	5MHz	16QAM	23035	25RB#0	22.80	17.85	34.77	PASS

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Band12	5MHz	16QAM	23095	1RB#0	23.87	18.92	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#12	24.10	19.15	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#24	23.75	18.80	34.77	PASS
Band12	5MHz	16QAM	23095	12RB#0	22.73	17.78	34.77	PASS
Band12	5MHz	16QAM	23095	12RB#6	22.76	17.81	34.77	PASS
Band12	5MHz	16QAM	23095	12RB#13	22.68	17.73	34.77	PASS
Band12	5MHz	16QAM	23095	25RB#0	22.71	17.76	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#24	23.69	18.74	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#12	24.00	19.05	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#0	23.83	18.88	34.77	PASS
Band12	5MHz	16QAM	23155	12RB#0	22.67	17.72	34.77	PASS
Band12	5MHz	16QAM	23155	12RB#13	22.61	17.66	34.77	PASS
Band12	5MHz	16QAM	23155	12RB#6	22.76	17.81	34.77	PASS
Band12	5MHz	16QAM	23155	25RB#0	22.66	17.71	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#0	24.73	19.78	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#49	24.65	19.70	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#24	24.82	19.87	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#0	23.79	18.84	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#12	23.79	18.84	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#25	23.72	18.77	34.77	PASS
Band12	10MHz	QPSK	23060	50RB#0	23.78	18.83	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#24	24.79	19.84	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#49	24.63	19.68	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#0	24.71	19.76	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#0	23.82	18.87	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#12	23.76	18.81	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#25	23.74	18.79	34.77	PASS
Band12	10MHz	QPSK	23095	50RB#0	23.81	18.86	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#0	24.68	19.73	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#24	24.75	19.80	34.77	PASS

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Band12	10MHz	QPSK	23130	1RB#49	24.58	19.63	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#0	23.83	18.88	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#12	23.75	18.80	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#25	23.71	18.76	34.77	PASS
Band12	10MHz	QPSK	23130	50RB#0	23.81	18.86	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#49	22.72	17.77	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#0	22.78	17.83	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#24	22.85	17.90	34.77	PASS
Band12	10MHz	64QAM	23060	25RB#25	21.70	16.75	34.77	PASS
Band12	10MHz	64QAM	23060	25RB#12	21.74	16.79	34.77	PASS
Band12	10MHz	64QAM	23060	25RB#0	21.74	16.79	34.77	PASS
Band12	10MHz	64QAM	23060	50RB#0	21.71	16.76	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#0	22.74	17.79	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#24	22.86	17.91	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#49	22.72	17.77	34.77	PASS
Band12	10MHz	64QAM	23095	25RB#12	21.73	16.78	34.77	PASS
Band12	10MHz	64QAM	23095	25RB#25	21.71	16.76	34.77	PASS
Band12	10MHz	64QAM	23095	25RB#0	21.78	16.83	34.77	PASS
Band12	10MHz	64QAM	23095	50RB#0	21.74	16.79	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#0	22.75	17.80	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#24	22.83	17.88	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#49	22.64	17.69	34.77	PASS
Band12	10MHz	64QAM	23130	25RB#0	21.81	16.86	34.77	PASS
Band12	10MHz	64QAM	23130	25RB#12	21.72	16.77	34.77	PASS
Band12	10MHz	64QAM	23130	25RB#25	21.68	16.73	34.77	PASS
Band12	10MHz	64QAM	23130	50RB#0	21.77	16.82	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#49	23.96	19.01	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#24	24.05	19.10	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#0	23.85	18.90	34.77	PASS
Band12	10MHz	16QAM	23060	25RB#0	22.75	17.80	34.77	PASS

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Band12	10MHz	16QAM	23060	25RB#12	22.79	17.84	34.77	PASS
Band12	10MHz	16QAM	23060	25RB#25	22.71	17.76	34.77	PASS
Band12	10MHz	16QAM	23060	50RB#0	22.75	17.80	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#0	23.95	19.00	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#24	24.02	19.07	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#49	23.86	18.91	34.77	PASS
Band12	10MHz	16QAM	23095	25RB#0	22.83	17.88	34.77	PASS
Band12	10MHz	16QAM	23095	25RB#12	22.75	17.80	34.77	PASS
Band12	10MHz	16QAM	23095	25RB#25	22.72	17.77	34.77	PASS
Band12	10MHz	16QAM	23095	50RB#0	22.79	17.84	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#0	23.86	18.91	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#24	24.05	19.10	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#49	23.87	18.92	34.77	PASS
Band12	10MHz	16QAM	23130	25RB#0	22.82	17.87	34.77	PASS
Band12	10MHz	16QAM	23130	25RB#12	22.74	17.79	34.77	PASS
Band12	10MHz	16QAM	23130	25RB#25	22.70	17.75	34.77	PASS
Band12	10MHz	16QAM	23130	50RB#0	22.79	17.84	34.77	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
Band12	10MHz	QPSK	23060	50RB#0	5.28	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.42	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.45	13	PASS
Band12	10MHz	64QAM	23060	50RB#0	6.43	13	PASS
Band12	10MHz	64QAM	23095	50RB#0	6.46	13	PASS
Band12	10MHz	64QAM	23130	50RB#0	6.58	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	5.97	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.06	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.14	13	PASS

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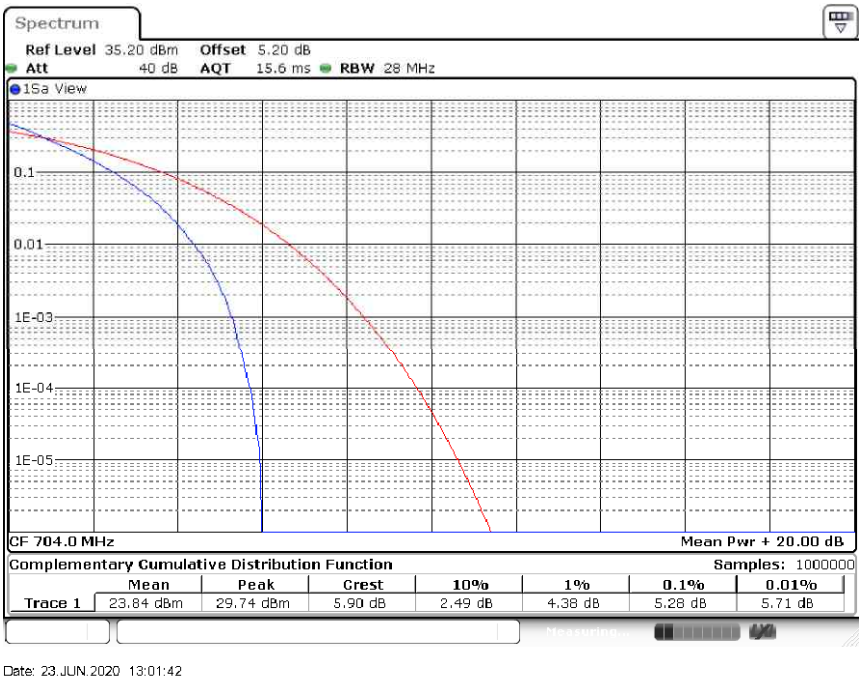
2.2. Test Plots

Band12-10MHz-QPSK-23060-50RB#0



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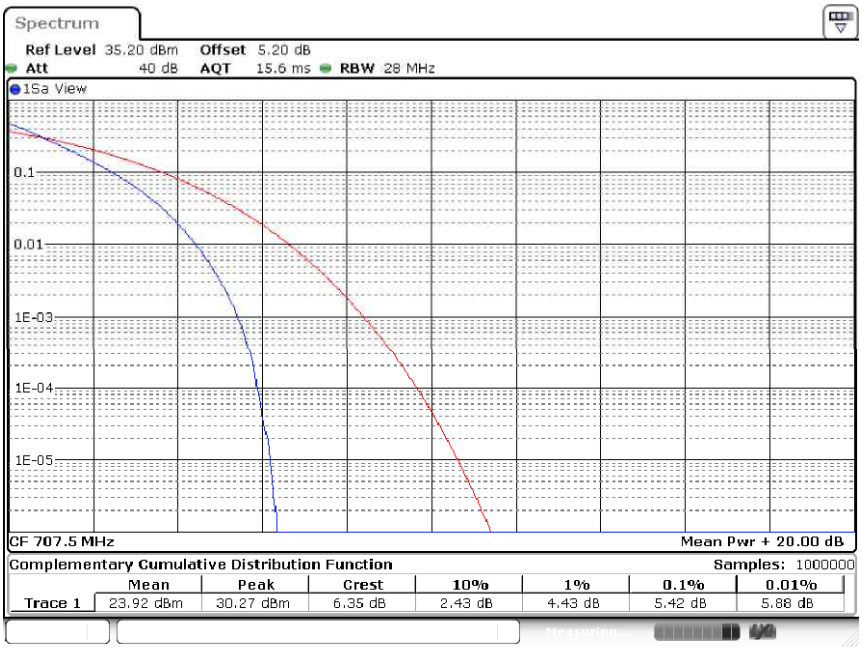
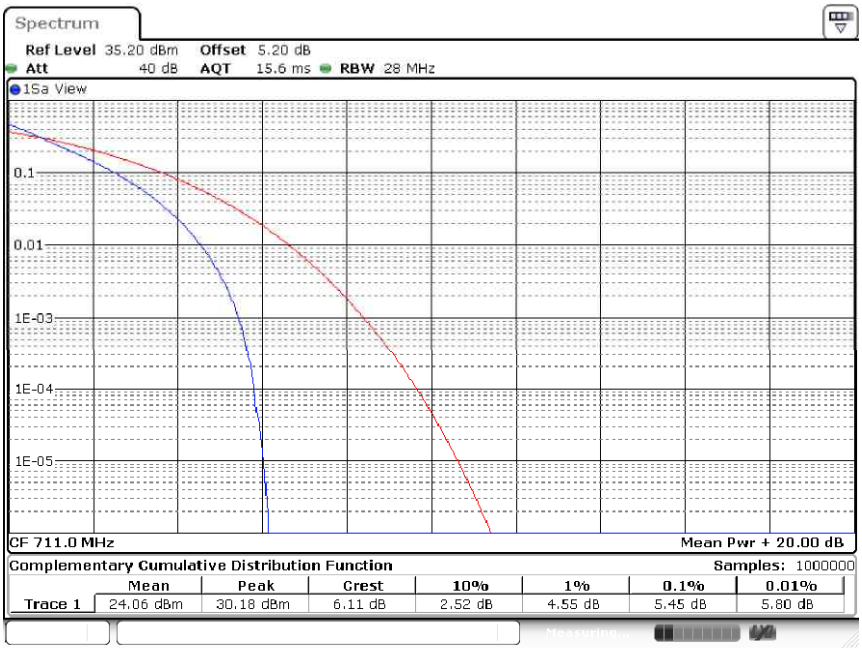
Band12-10MHz-QPSK-23095-50RB#0



Date: 23.JUN.2020 13:02:04

Band12-10MHz-QPSK-23130-50RB#0



Date: 23.JUN.2020 13:02:27

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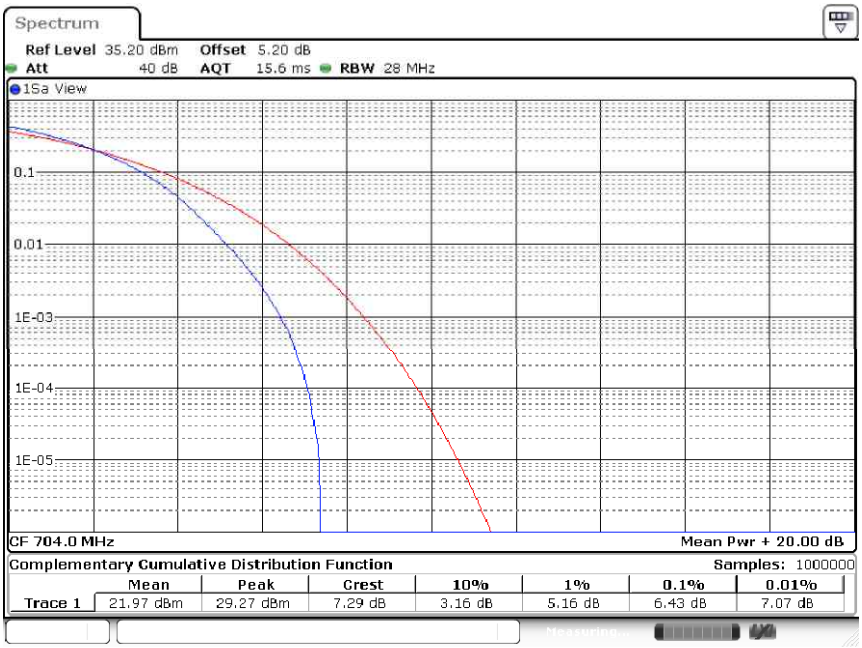
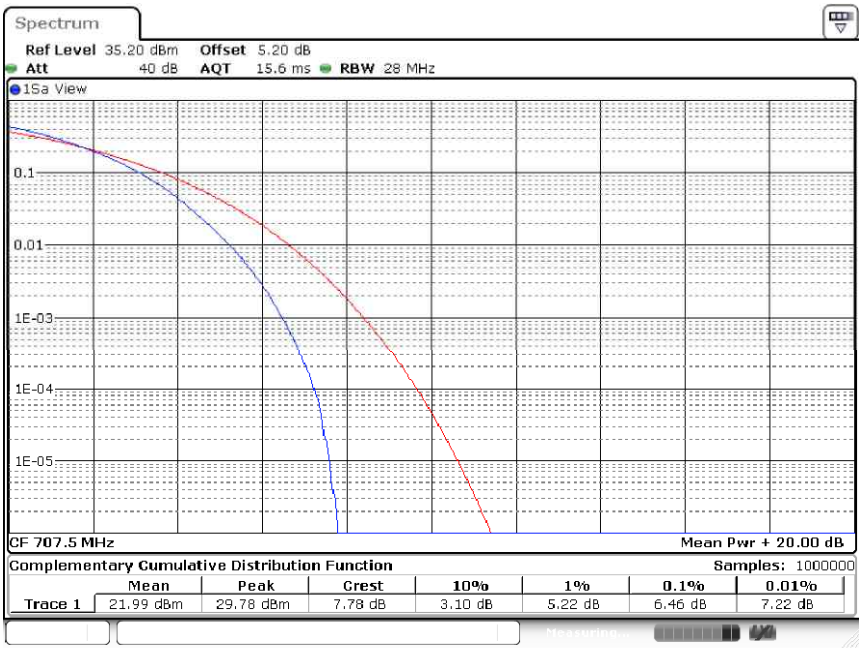
Band12-10MHz-64QAM-23060-50RB#0



Date: 24.JUN.2020 09:39:31

Band12-10MHz-64QAM-23095-50RB#0



Date: 24.JUN.2020 09:39:42

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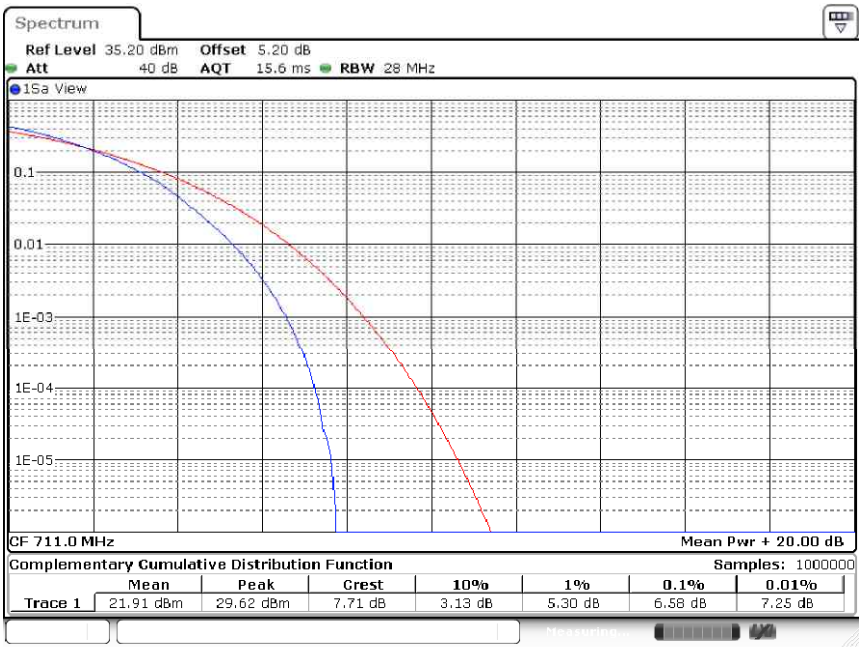
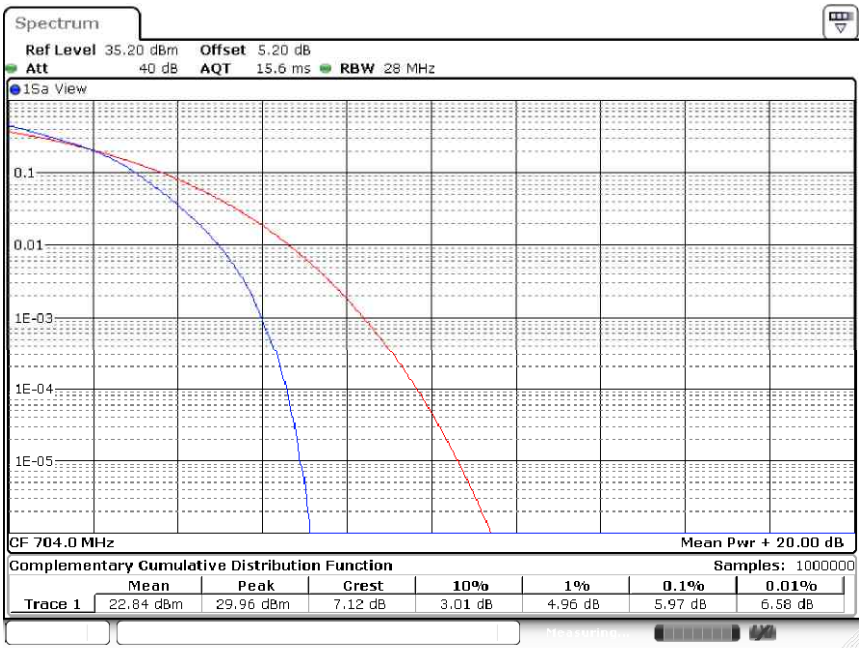
Band12-10MHz-64QAM-23130-50RB#0



Date: 24.JUN.2020 09:39:54

Band12-10MHz-16QAM-23060-50RB#0



Date: 23.JUN.2020 13:01:53

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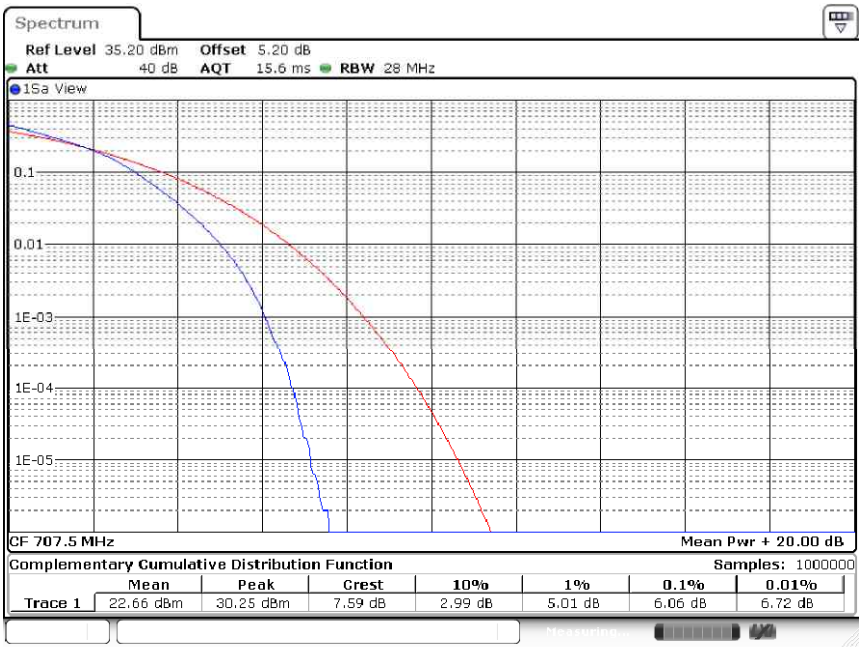
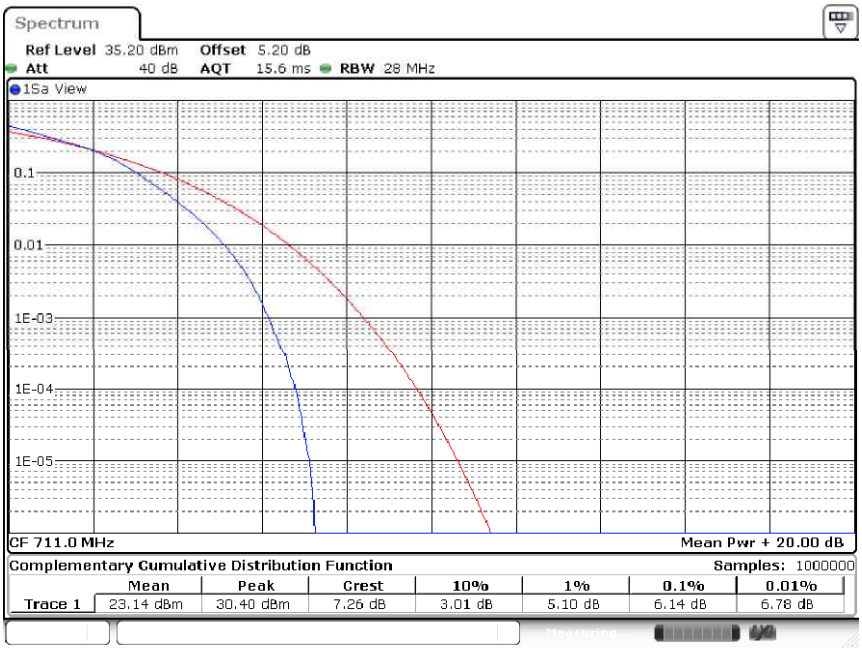
Band12-10MHz-16QAM-23095-50RB#0



Date: 23.JUN.2020 13:02:16

Band12-10MHz-16QAM-23130-50RB#0



Date: 23.JUN.2020 13:02:38

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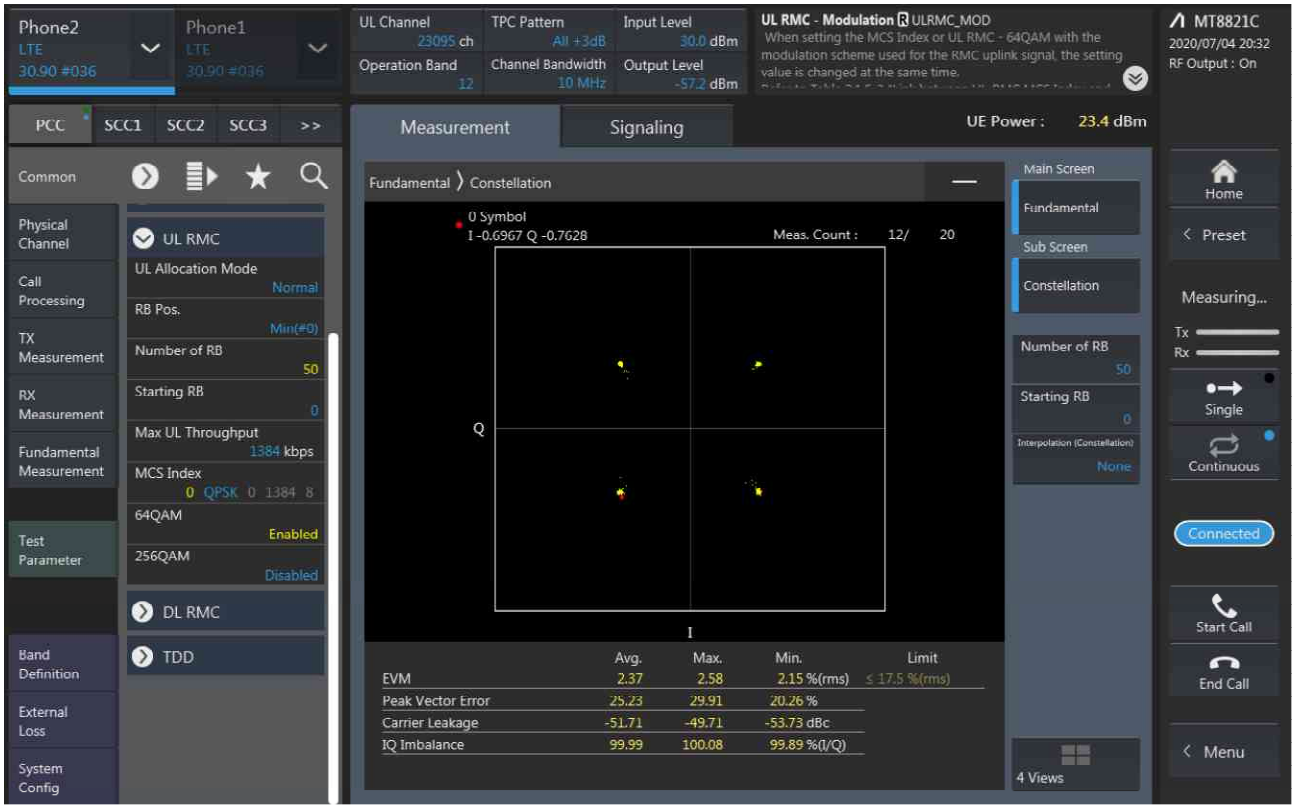
3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 10MHz

3.1.1.Test Channel = MCH



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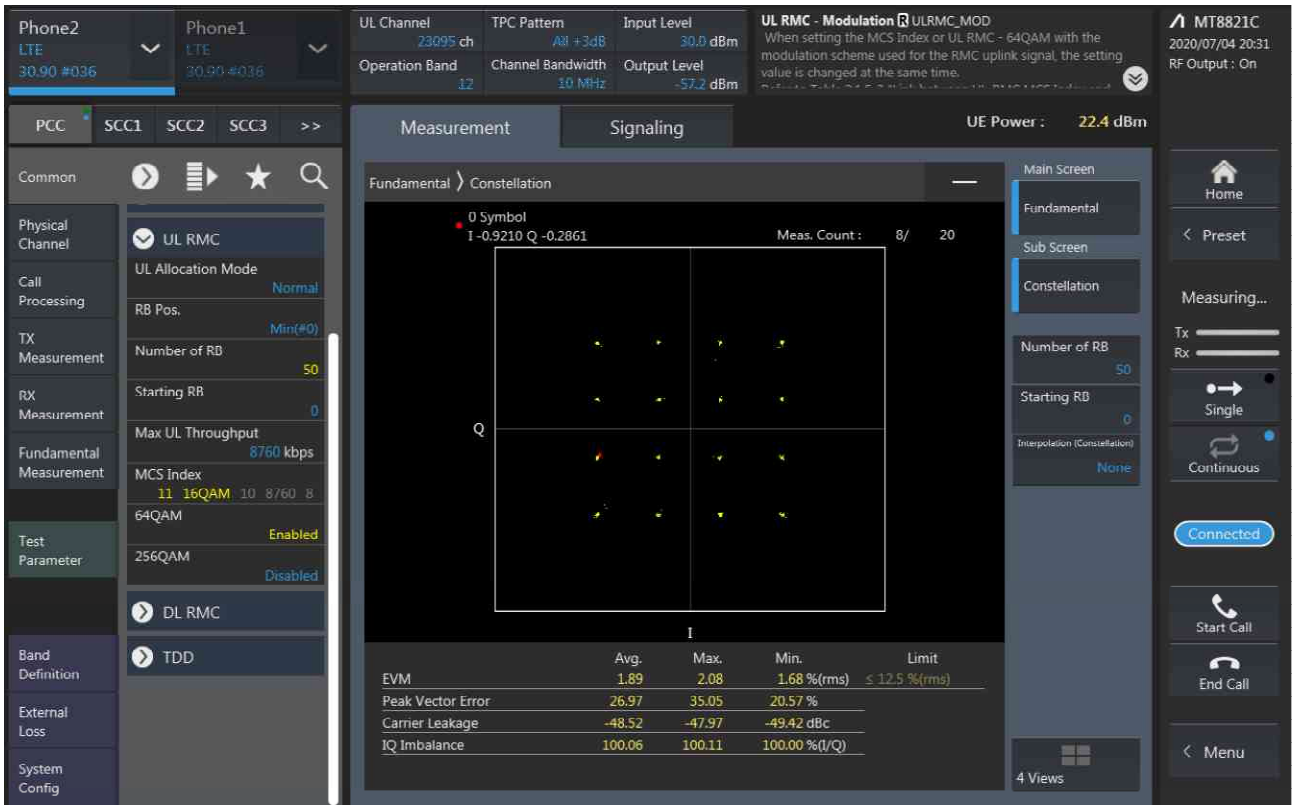
3.2. Test Mode = LTE /TM2 10MHz

3.2.1.Test Channel = MCH



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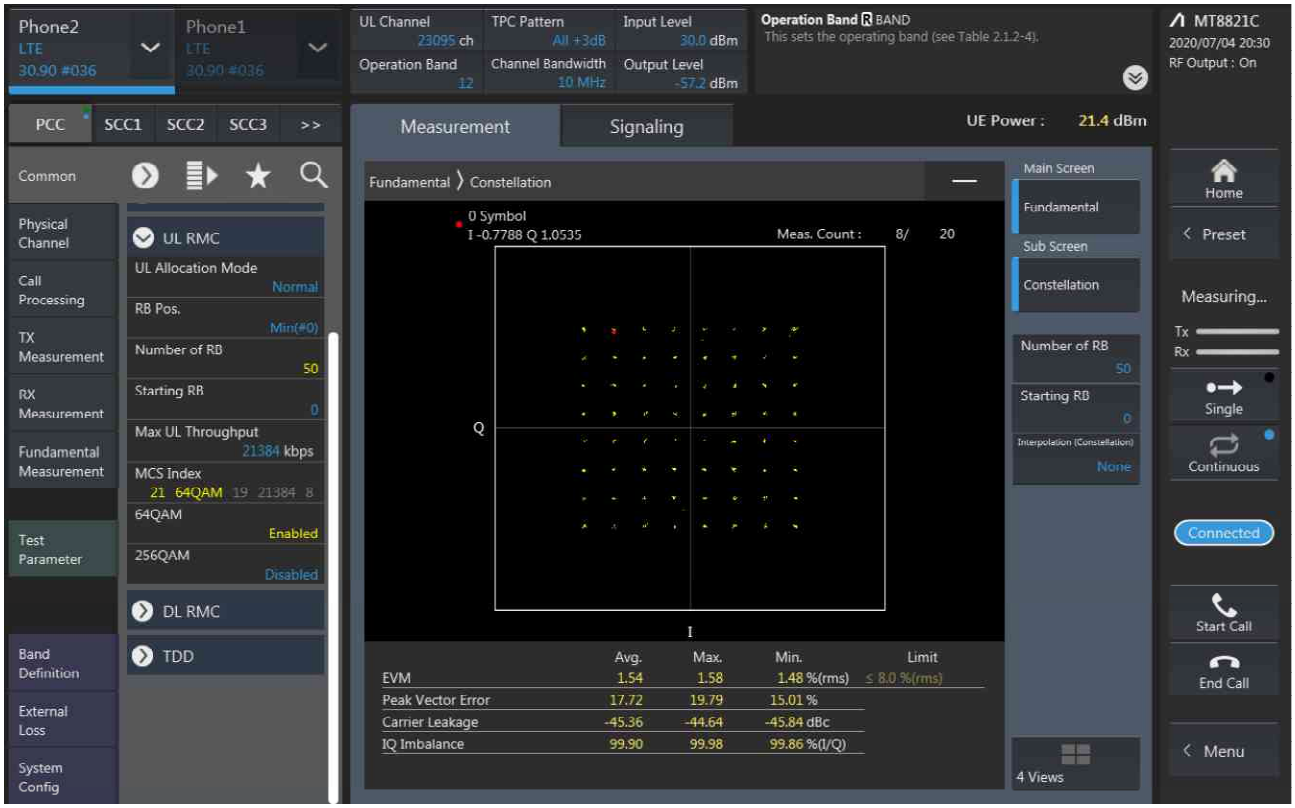
3.3. Test Mode = LTE /TM3 10MHz

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
Band12	1.4MHz	QPSK	23017	6RB#0	1.091	1.293	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.091	1.296	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.091	1.284	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	1.097	1.284	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	1.094	1.284	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	1.094	1.284	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.088	1.290	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.088	1.290	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.085	1.284	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.691	2.916	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.685	2.922	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.685	2.904	PASS
Band12	3MHz	64QAM	23025	15RB#0	2.685	2.916	PASS
Band12	3MHz	64QAM	23095	15RB#0	2.679	2.904	PASS
Band12	3MHz	64QAM	23165	15RB#0	2.679	2.904	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.679	2.946	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.673	2.910	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.679	2.898	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.476	5.050	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.486	5.060	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.476	5.050	PASS
Band12	5MHz	64QAM	23035	25RB#0	4.486	5.040	PASS
Band12	5MHz	64QAM	23095	25RB#0	4.476	5.010	PASS
Band12	5MHz	64QAM	23155	25RB#0	4.476	5.020	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.496	5.090	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.486	5.040	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.486	5.060	PASS

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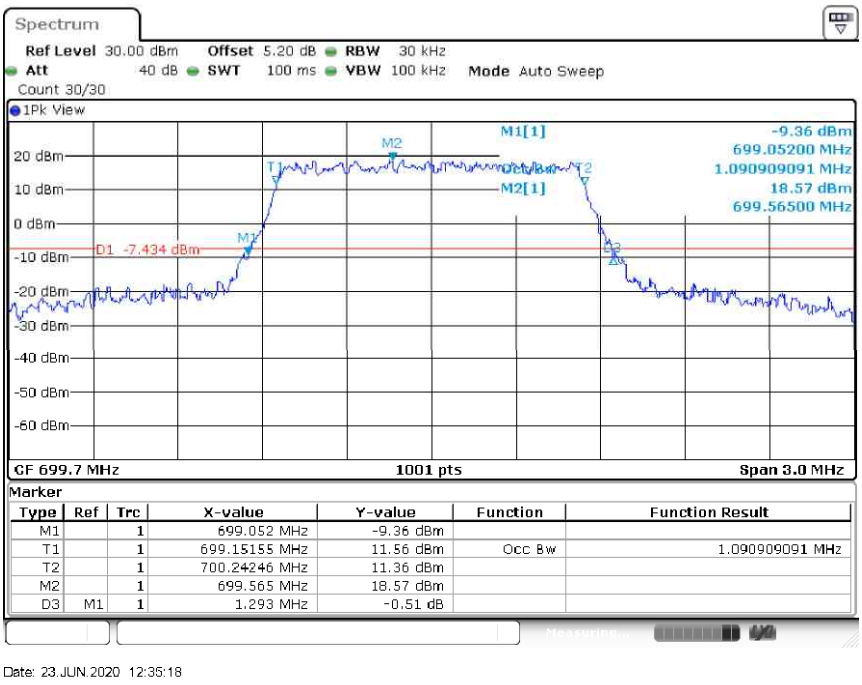
Band12	10MHz	QPSK	23060	50RB#0	8.931	9.820	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.951	9.860	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.951	9.960	PASS
Band12	10MHz	64QAM	23060	50RB#0	8.931	9.760	PASS
Band12	10MHz	64QAM	23095	50RB#0	8.931	9.760	PASS
Band12	10MHz	64QAM	23130	50RB#0	8.971	9.880	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.931	9.800	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.931	9.880	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.951	9.920	PASS

4.2. Test Plots

Band12-1.4MHz-QPSK-23017-6RB#0-1.091



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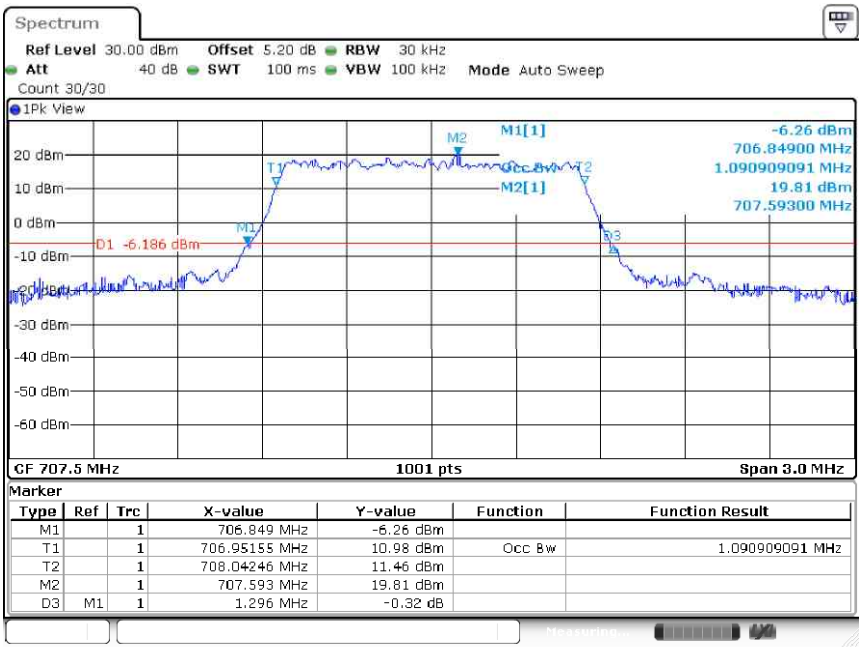
Band12-1.4MHz-QPSK-23095-6RB#0-1.091



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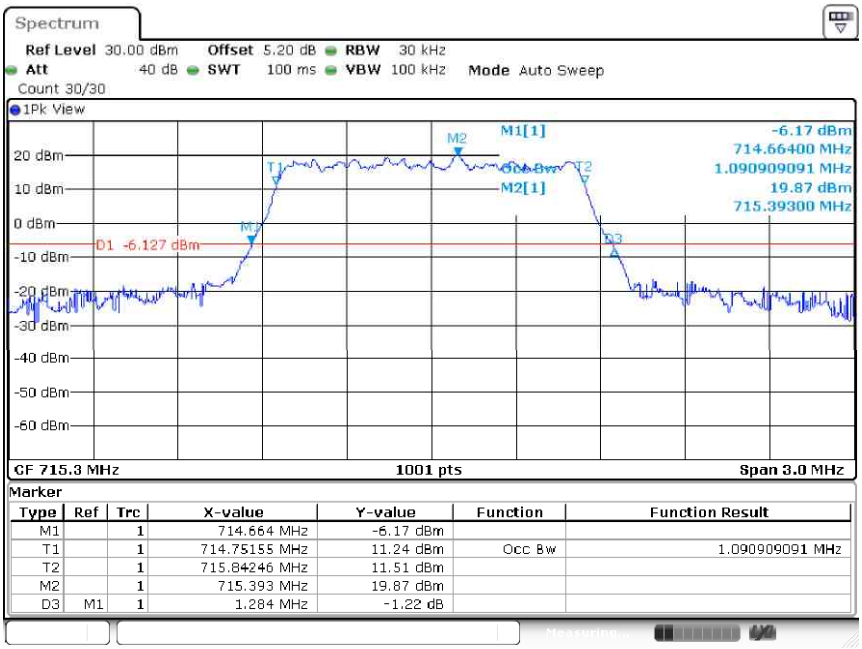
Band12-1.4MHz-QPSK-23173-6RB#0-1.091



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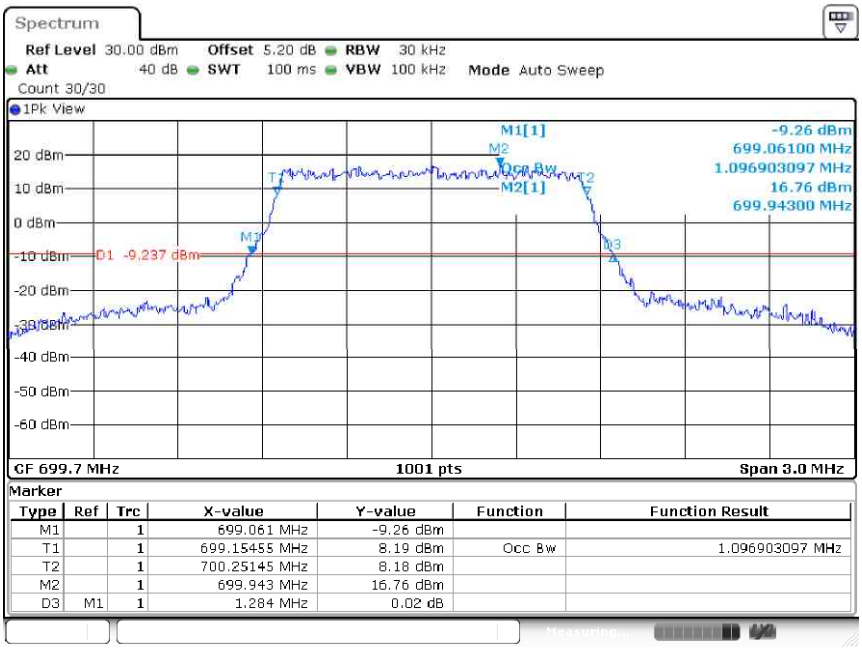
Band12-1.4MHz-64QAM-23017-6RB#0-1.097



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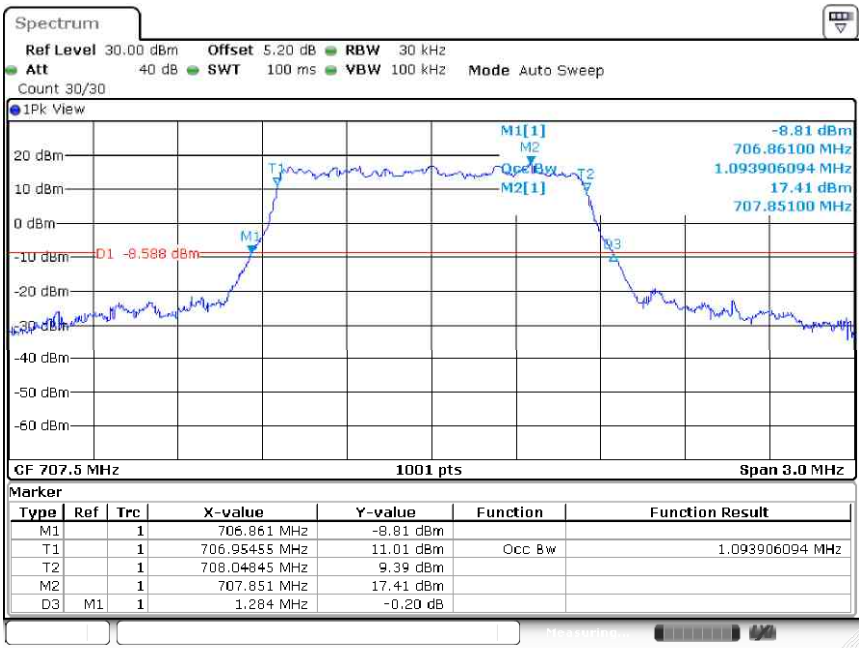
Band12-1.4MHz-64QAM-23095-6RB#0-1.094



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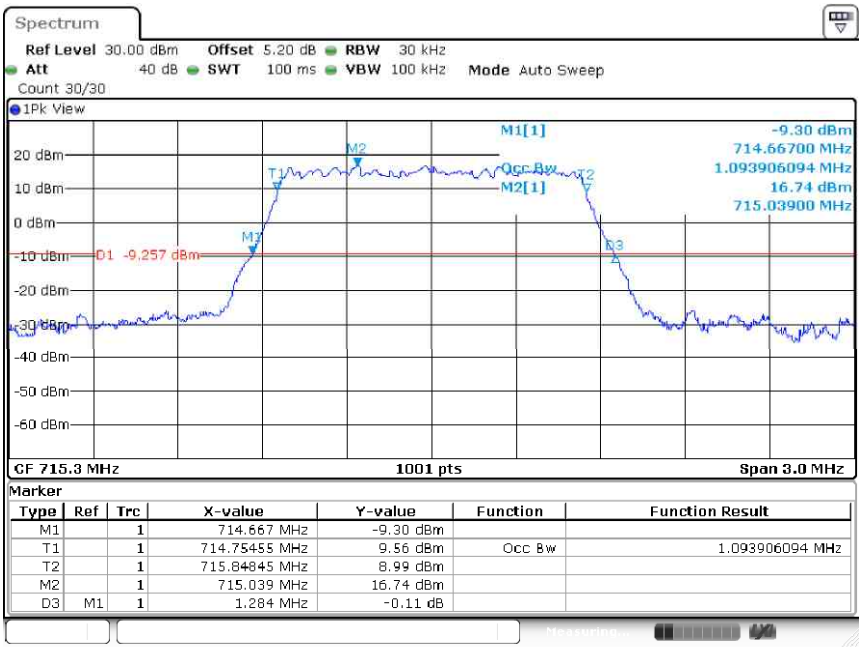
Band12-1.4MHz-64QAM-23173-6RB#0-1.094



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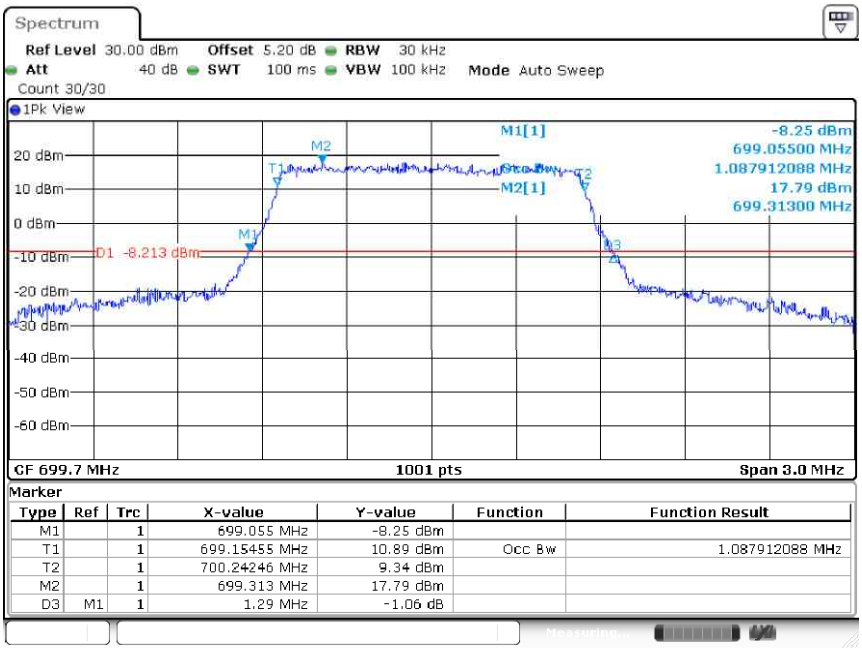
Band12-1.4MHz-16QAM-23017-6RB#0-1.088



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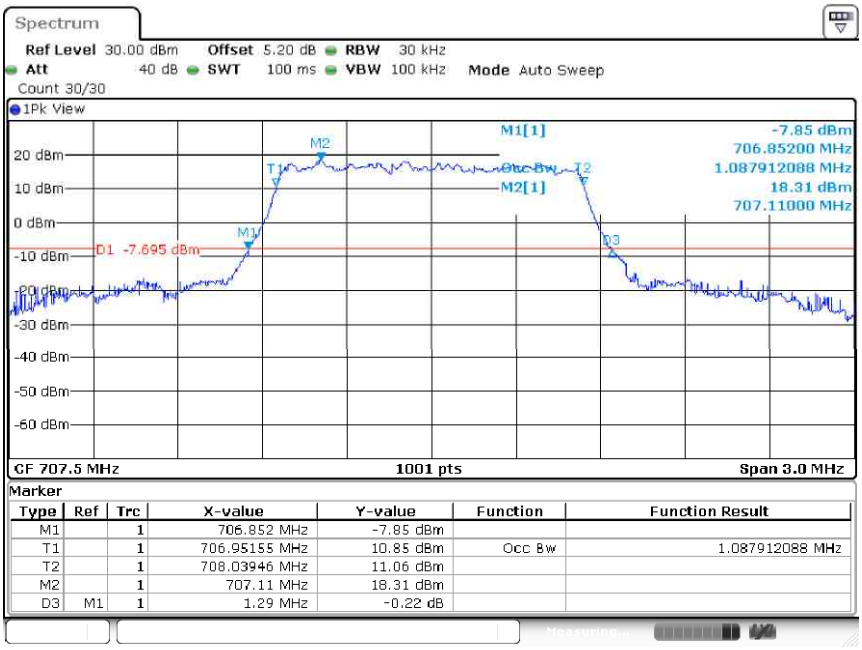
Band12-1.4MHz-16QAM-23095-6RB#0-1.088



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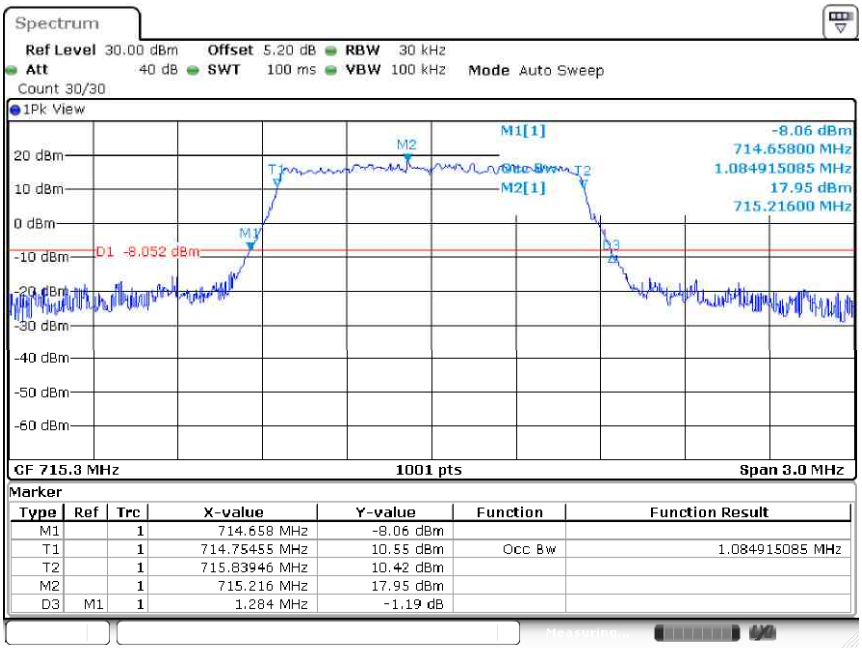
Band12-1.4MHz-16QAM-23173-6RB#0-1.085



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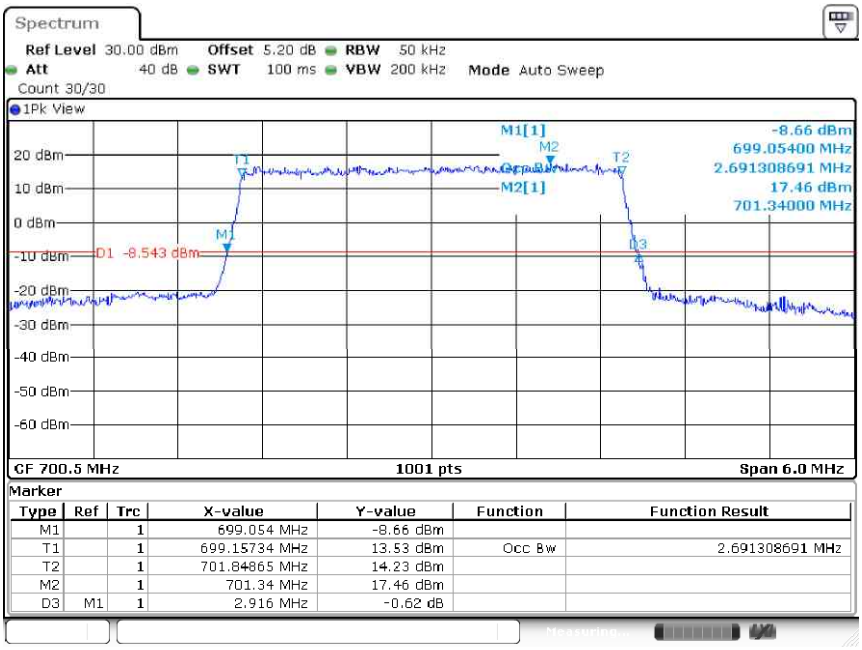
Band12-3MHz-QPSK-23025-15RB#0-2.691

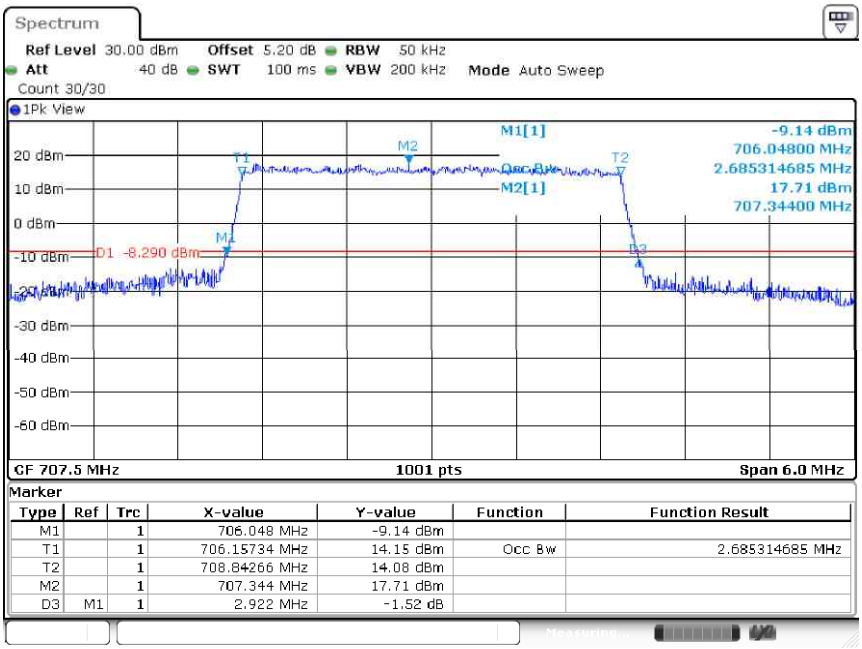


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	699.054 MHz	-8.66 dBm		
T1		1	699.15734 MHz	13.53 dBm	Occ Bw	2.691308691 MHz
T2		1	701.84865 MHz	14.23 dBm		
M2		1	701.34 MHz	17.46 dBm		
D3	M1	1	2.916 MHz	-0.62 dB		

Date: 23.JUN.2020 12:36:40

Band12-3MHz-QPSK-23095-15RB#0-2.685



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	706.048 MHz	-9.14 dBm		
T1		1	706.15734 MHz	14.15 dBm	Occ Bw	2.685314685 MHz
T2		1	708.84266 MHz	14.08 dBm		
M2		1	707.344 MHz	17.71 dBm		
D3	M1	1	2.922 MHz	-1.52 dB		

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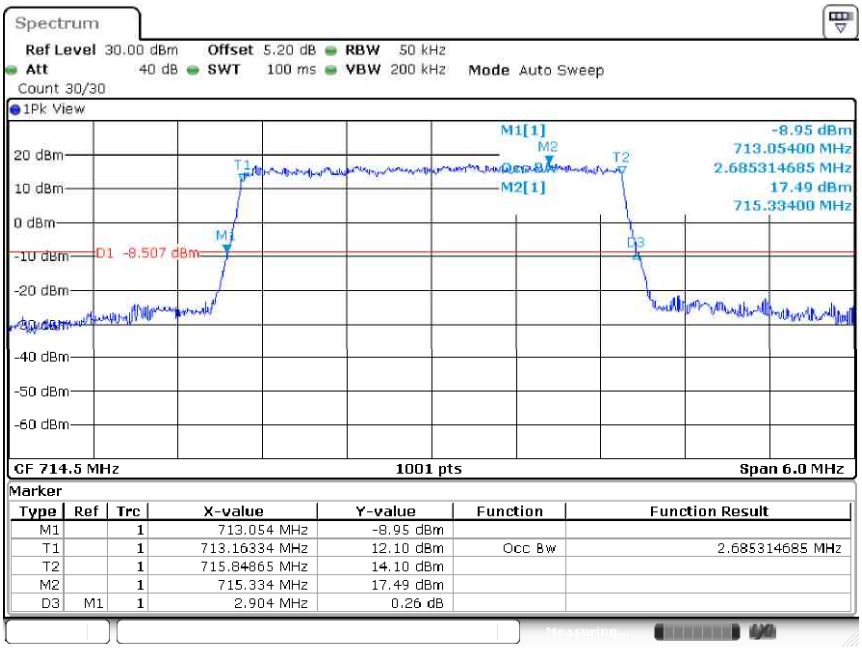
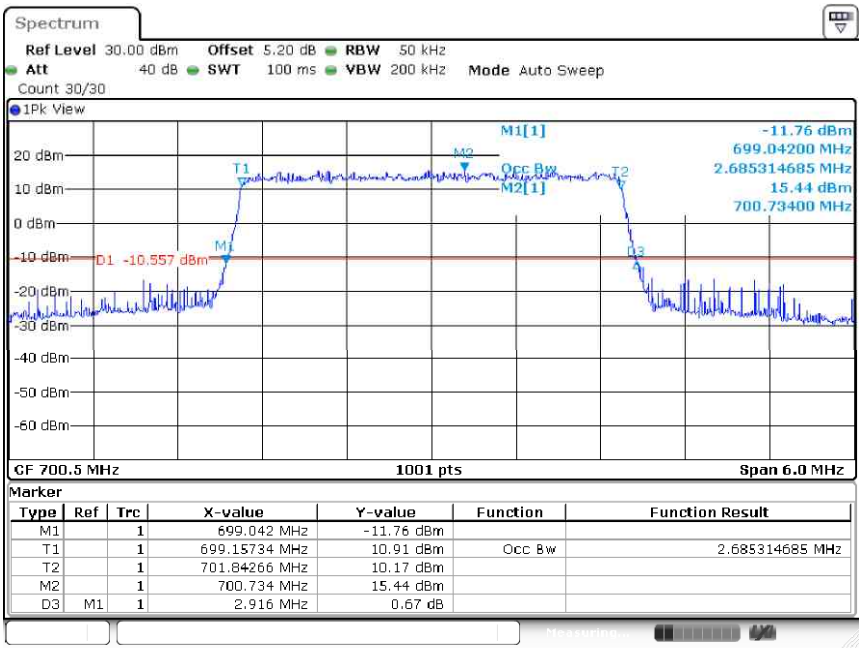
Band12-3MHz-QPSK-23165-15RB#0-2.685



Date: 23.JUN.2020 12:37:31

Band12-3MHz-64QAM-23025-15RB#0-2.685



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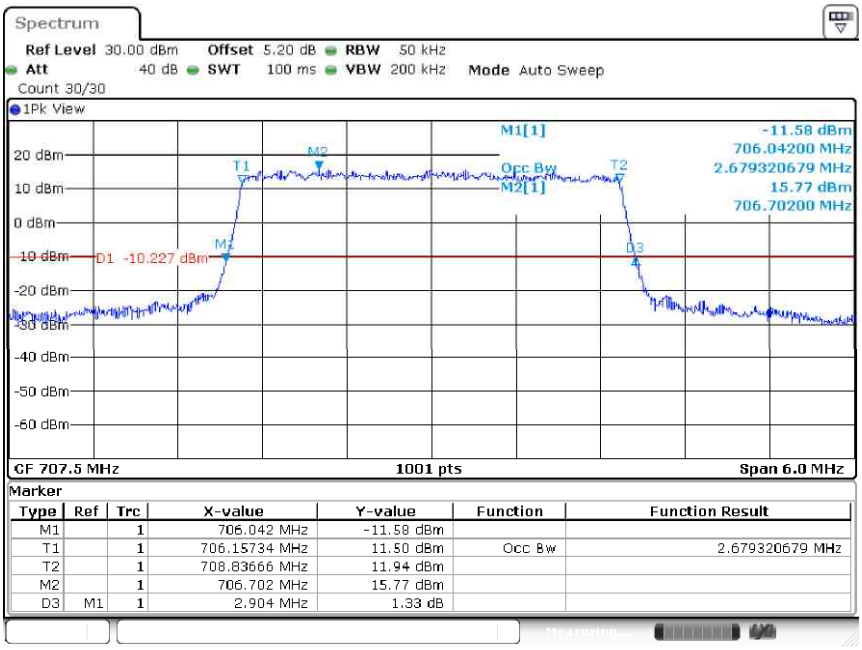
Band12-3MHz-64QAM-23095-15RB#0-2.679



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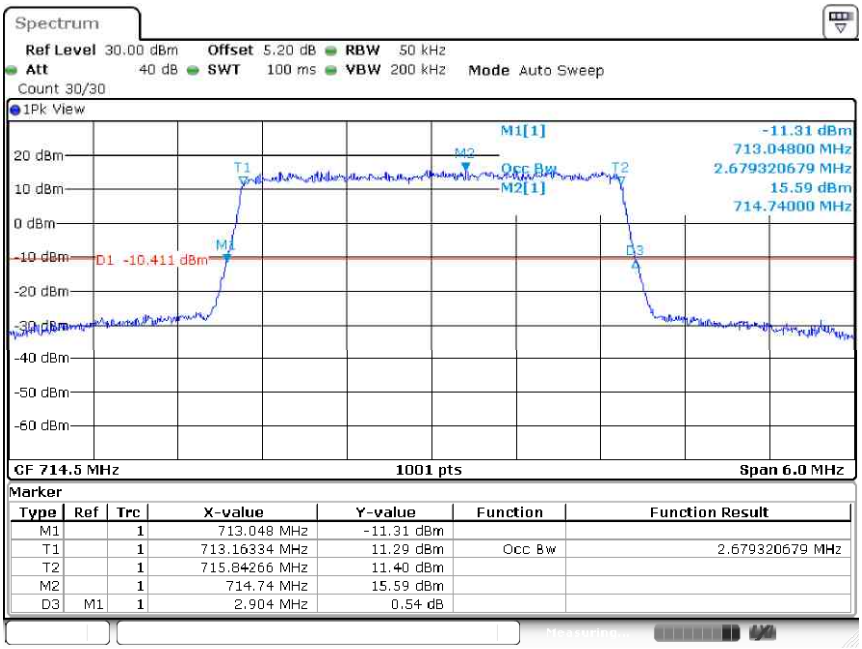
Band12-3MHz-64QAM-23165-15RB#0-2.679



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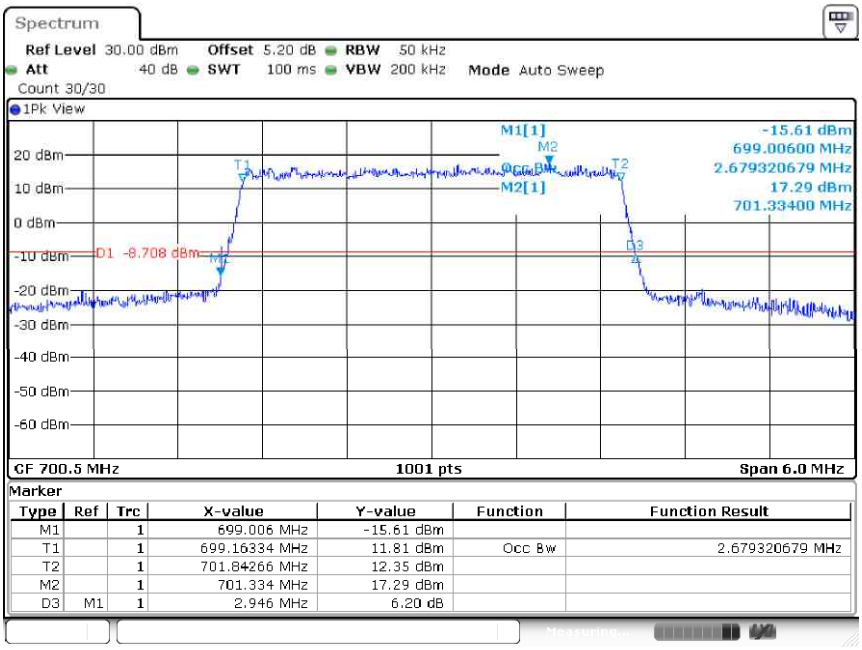
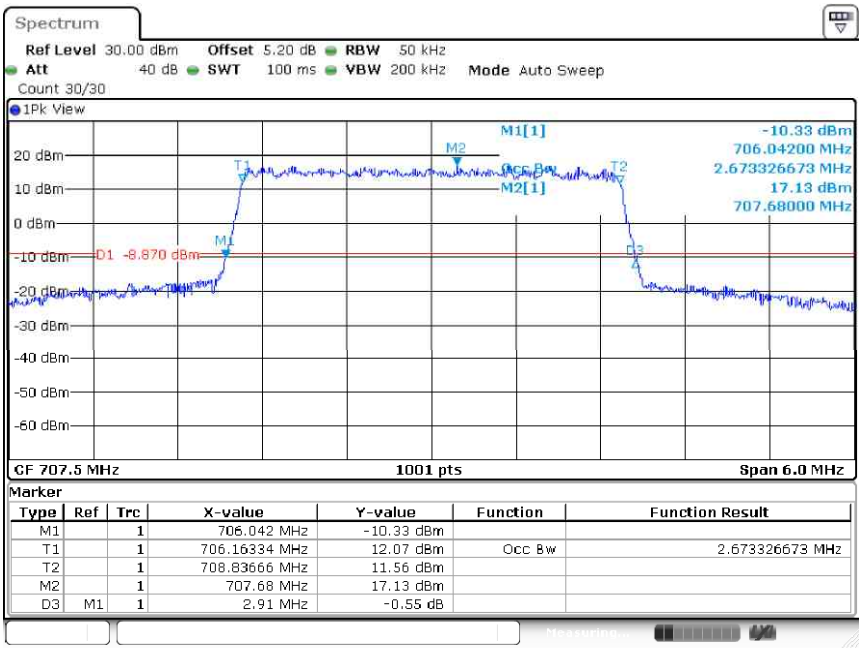
Band12-3MHz-16QAM-23025-15RB#0-2.679



Date: 23.JUN.2020 12:36:52

Band12-3MHz-16QAM-23095-15RB#0-2.673



Date: 23.JUN.2020 12:37:18

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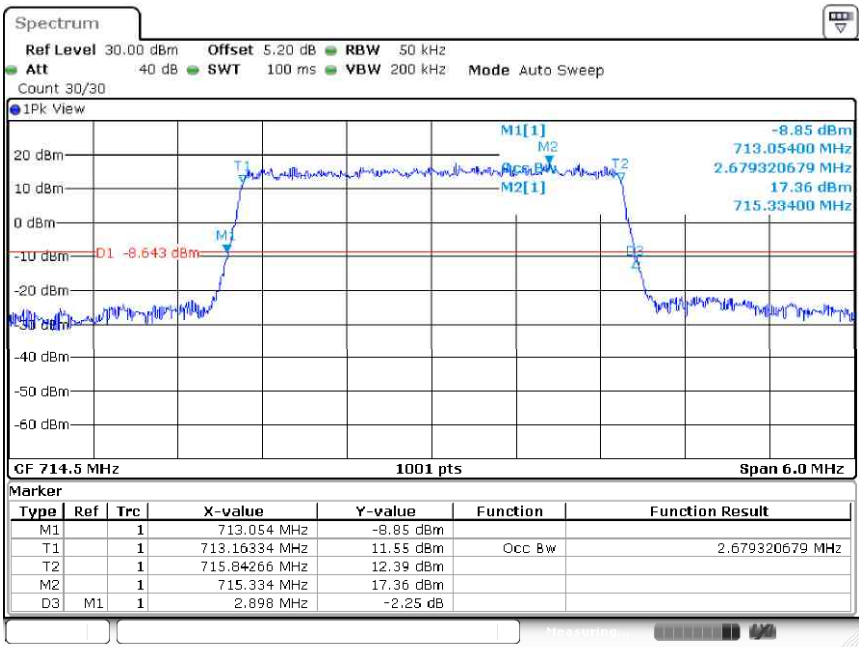
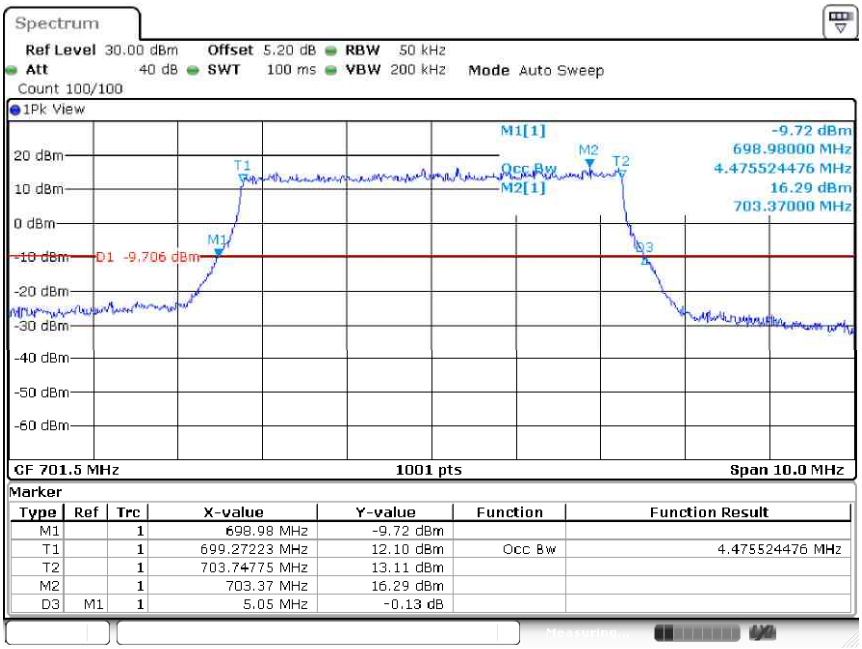
Band12-3MHz-16QAM-23165-15RB#0-2.679



Date: 23.JUN.2020 12:37:43

Band12-5MHz-QPSK-23035-25RB#0-4.476



Date: 23.JUN.2020 12:38:08

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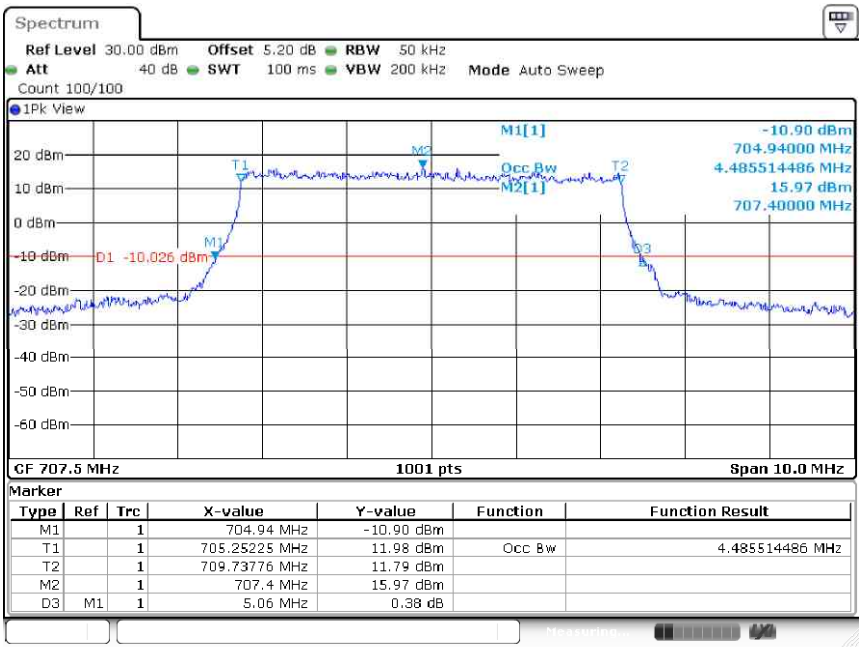
Band12-5MHz-QPSK-23095-25RB#0-4.486

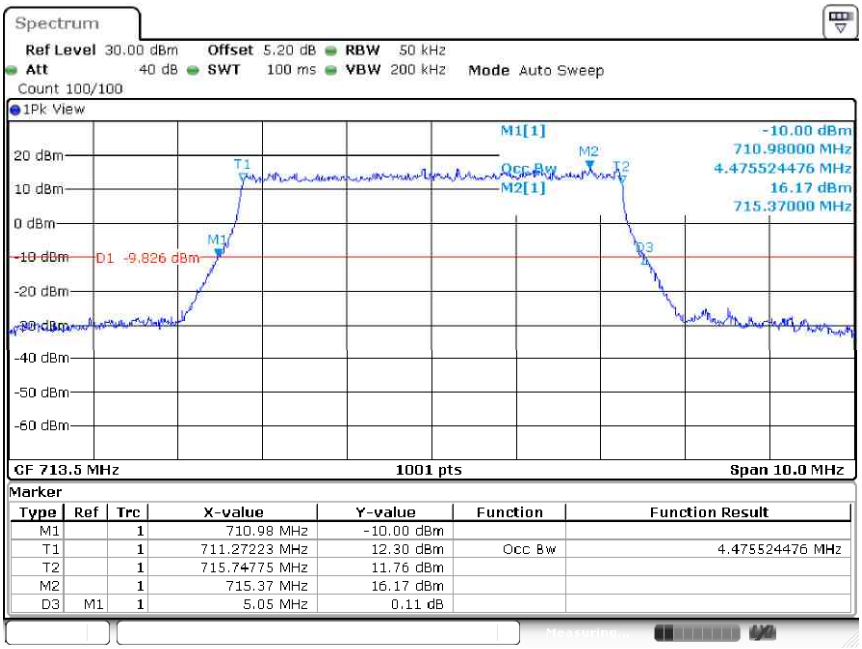


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	704.94 MHz	-10.90 dBm		
T1		1	705.25225 MHz	11.98 dBm	Occ Bw	4.485514486 MHz
T2		1	709.73776 MHz	11.79 dBm		
M2		1	707.4 MHz	15.97 dBm		
D3	M1	1	5.06 MHz	0.38 dB		

Date: 23.JUN.2020 12:38:47

Band12-5MHz-QPSK-23155-25RB#0-4.476



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	710.98 MHz	-10.00 dBm		
T1		1	711.27223 MHz	12.30 dBm	Occ Bw	4.475524476 MHz
T2		1	715.74775 MHz	11.76 dBm		
M2		1	715.37 MHz	16.17 dBm		
D3	M1	1	5.05 MHz	0.11 dB		

Date: 23.JUN.2020 12:39:26

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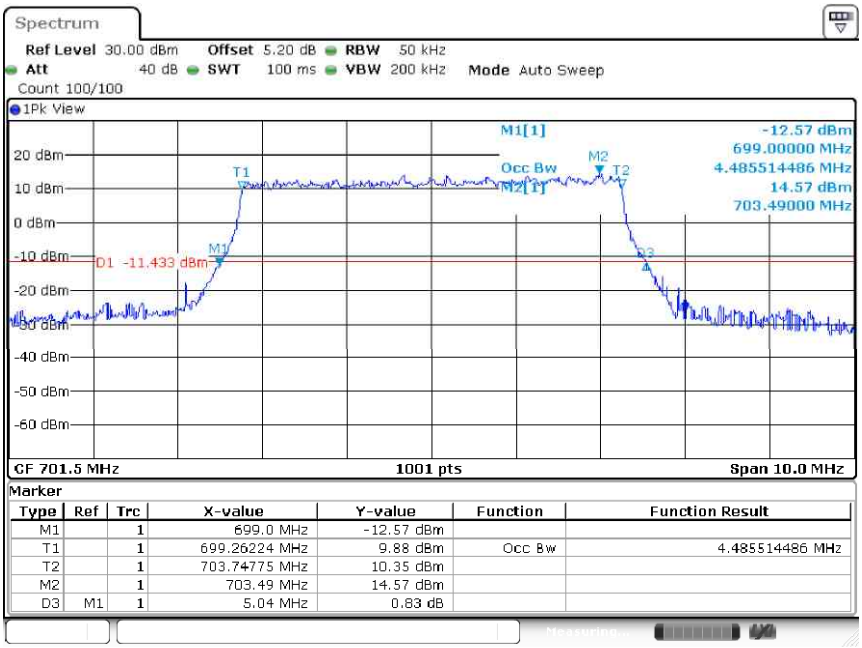
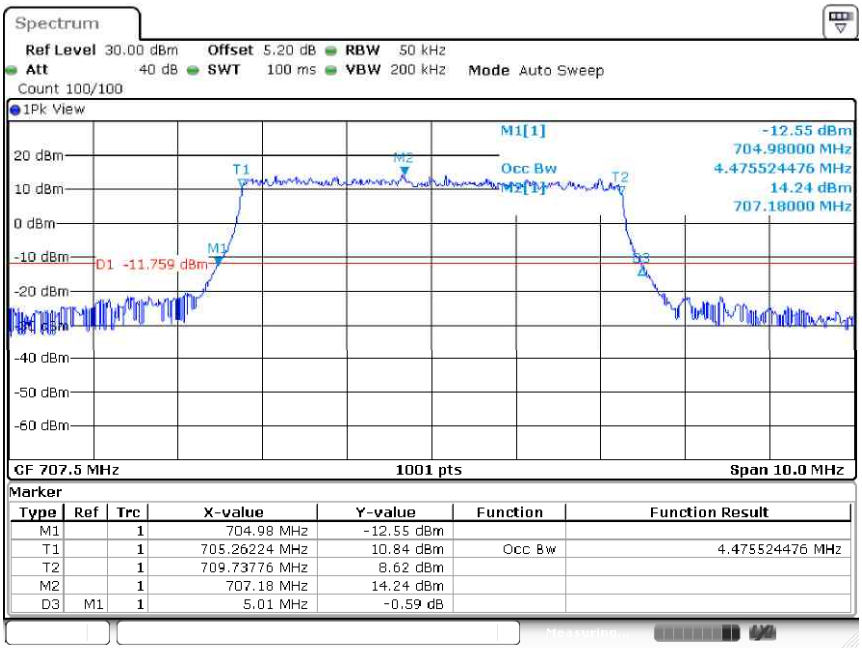
Band12-5MHz-64QAM-23035-25RB#0-4.486



Date: 24.JUN.2020 09:27:18

Band12-5MHz-64QAM-23095-25RB#0-4.476



Date: 24.JUN.2020 09:27:38

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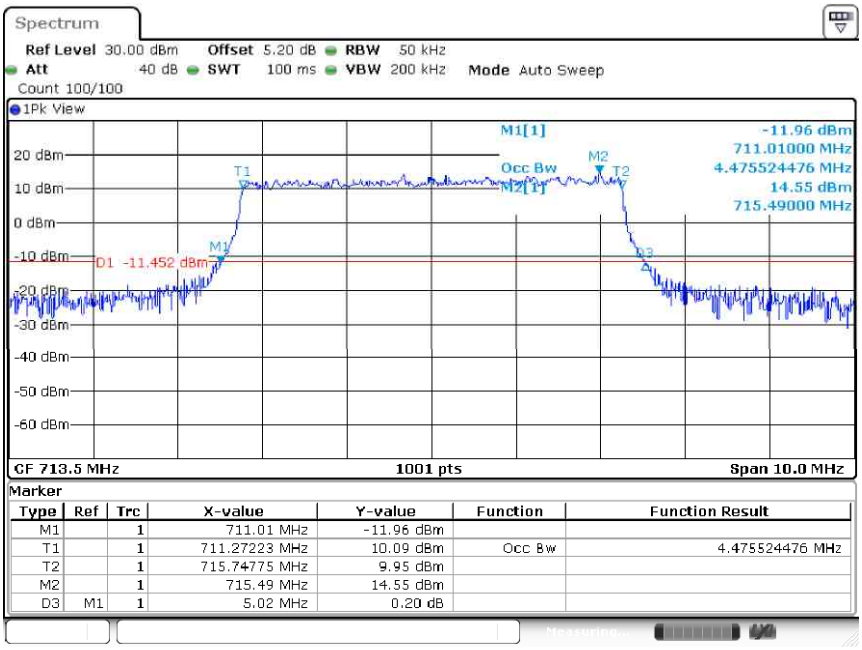
Band12-5MHz-64QAM-23155-25RB#0-4.476

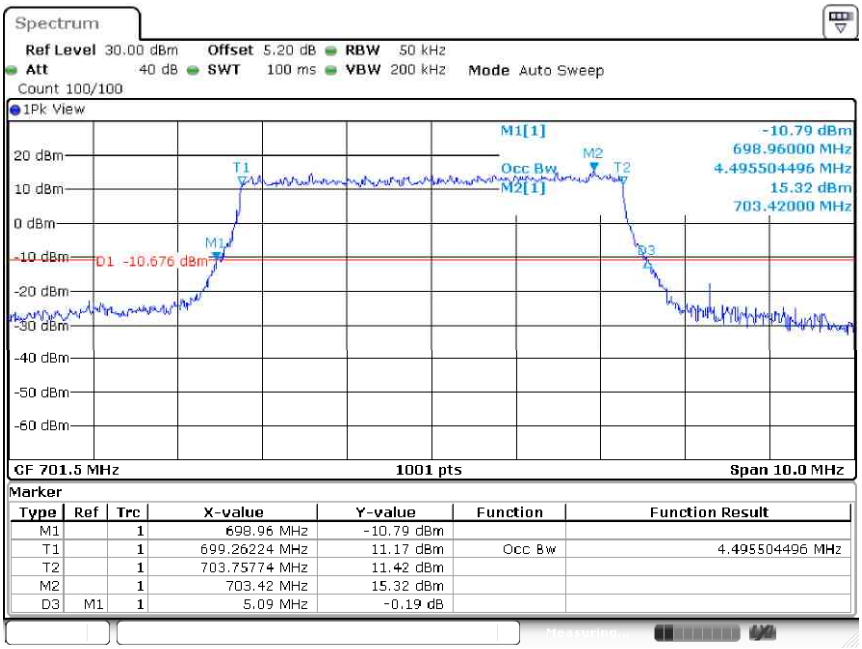


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	711.01 MHz	-11.96 dBm		
T1		1	711.27223 MHz	10.09 dBm	Occ Bw	4.475524476 MHz
T2		1	715.74775 MHz	9.95 dBm		
M2		1	715.49 MHz	14.55 dBm		
D3	M1	1	5.02 MHz	0.20 dB		

Date: 24.JUN.2020 09:27:58

Band12-5MHz-16QAM-23035-25RB#0-4.496



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	698.96 MHz	-10.79 dBm		
T1		1	699.26224 MHz	11.17 dBm	Occ Bw	4.495504496 MHz
T2		1	703.75774 MHz	11.42 dBm		
M2		1	703.42 MHz	15.32 dBm		
D3	M1	1	5.09 MHz	-0.19 dB		

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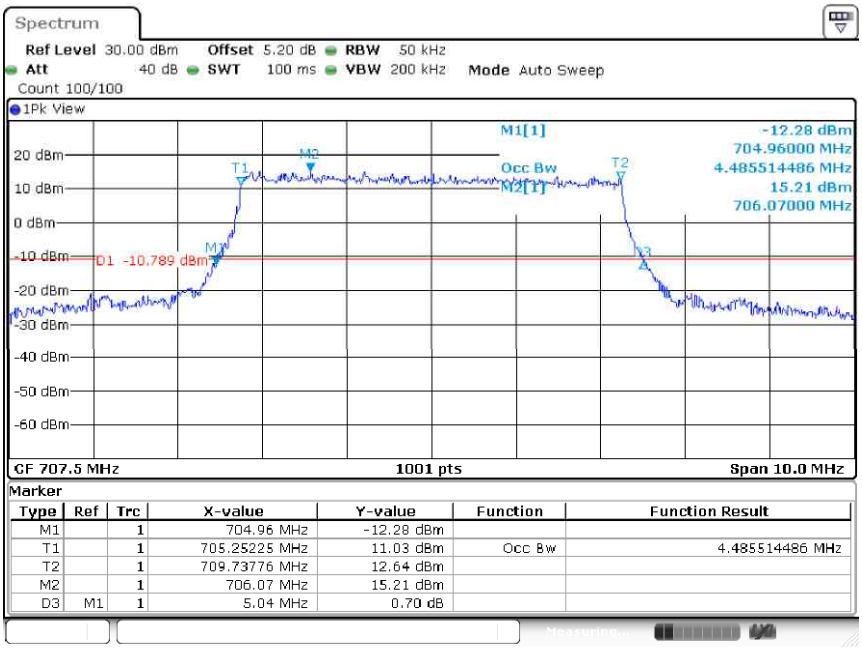
Band12-5MHz-16QAM-23095-25RB#0-4.486



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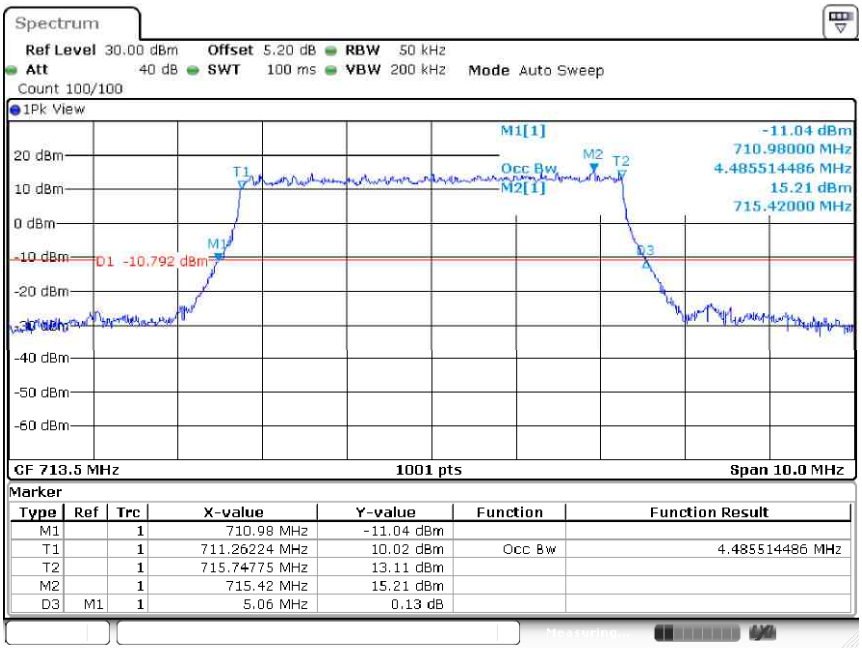
Band12-5MHz-16QAM-23155-25RB#0-4.486



Date: 23.JUN.2020 12:39:46

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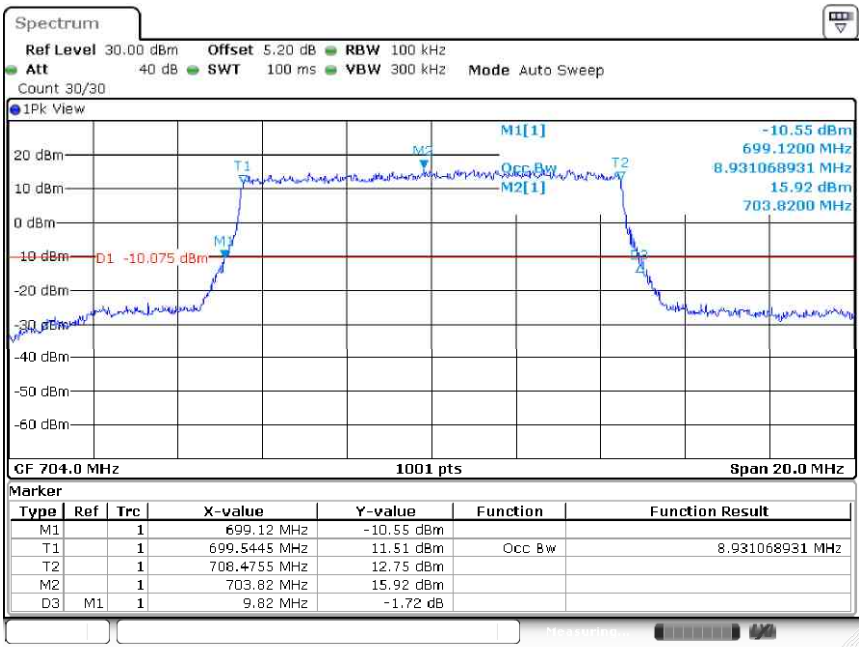
Band12-10MHz-QPSK-23060-50RB#0-8.931

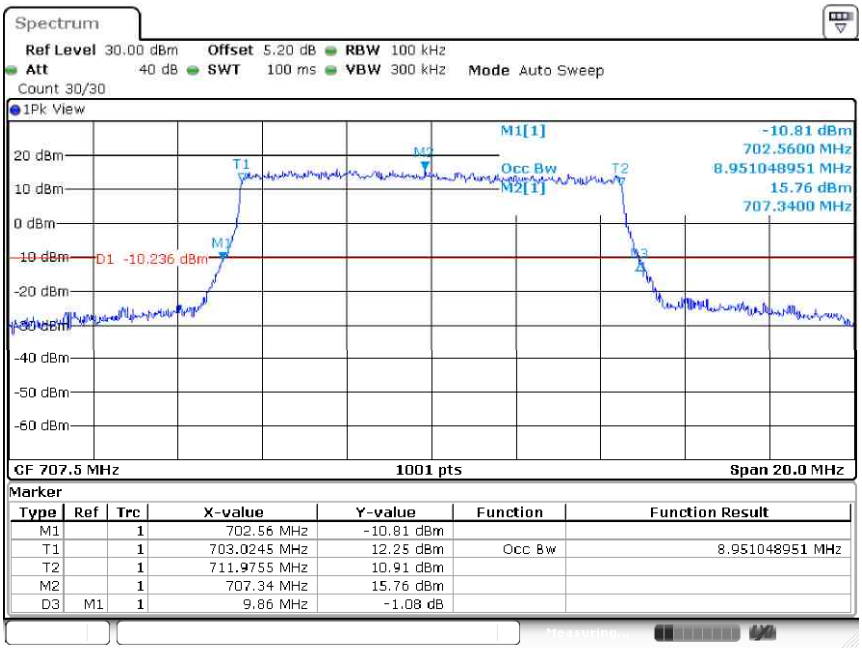


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	699.12 MHz	-10.55 dBm		
T1		1	699.5445 MHz	11.51 dBm	Occ Bw	8.931068931 MHz
T2		1	708.4755 MHz	12.75 dBm		
M2		1	703.82 MHz	15.92 dBm		
D3	M1	1	9.82 MHz	-1.72 dB		

Date: 23.JUN.2020 12:40:04

Band12-10MHz-QPSK-23095-50RB#0-8.951



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	702.56 MHz	-10.81 dBm		
T1		1	703.0245 MHz	12.25 dBm	Occ Bw	8.951048951 MHz
T2		1	711.9755 MHz	10.91 dBm		
M2		1	707.34 MHz	15.76 dBm		
D3	M1	1	9.86 MHz	-1.08 dB		

Date: 23.JUN.2020 12:40:29

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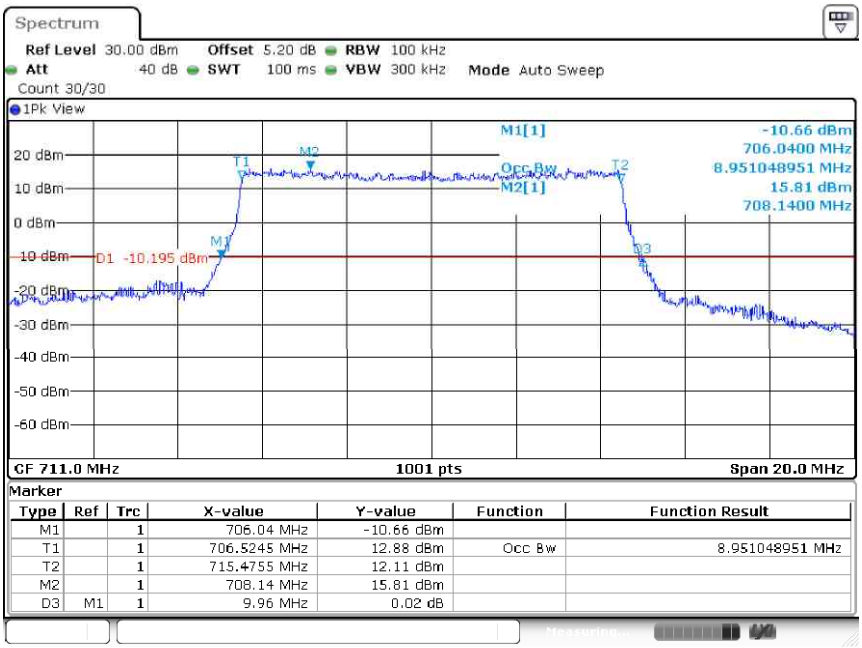
Band12-10MHz-QPSK-23130-50RB#0-8.951

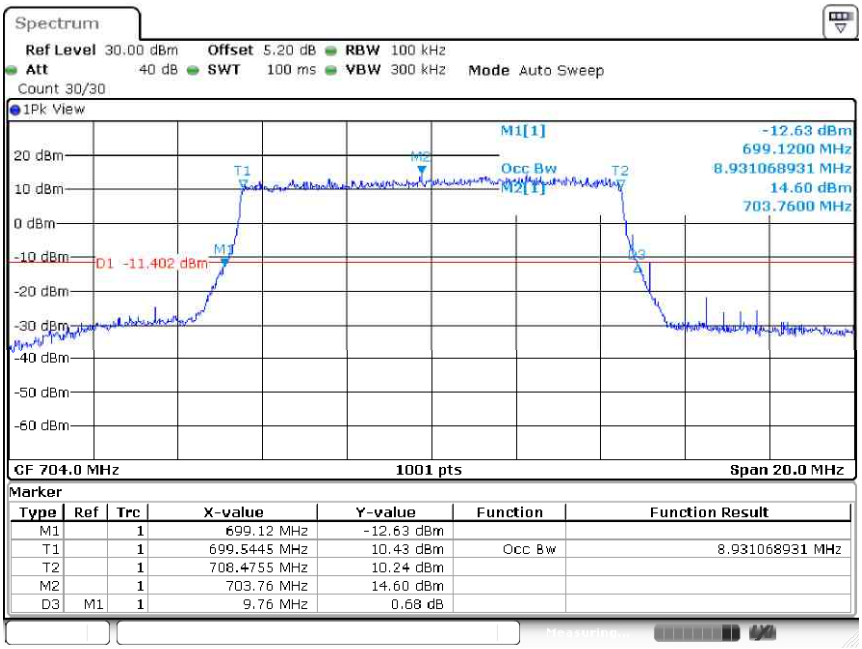


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	706.04 MHz	-10.66 dBm		
T1		1	706.5245 MHz	12.88 dBm	Occ Bw	8.951048951 MHz
T2		1	715.4755 MHz	12.11 dBm		
M2		1	708.14 MHz	15.81 dBm		
D3	M1	1	9.96 MHz	0.02 dB		

Date: 23.JUN.2020 12:40:54

Band12-10MHz-64QAM-23060-50RB#0-8.931



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	699.12 MHz	-12.63 dBm		
T1		1	699.5445 MHz	10.43 dBm	Occ Bw	8.931068931 MHz
T2		1	708.4755 MHz	10.24 dBm		
M2		1	703.76 MHz	14.60 dBm		
D3	M1	1	9.76 MHz	0.68 dB		

Date: 24.JUN.2020 09:28:16

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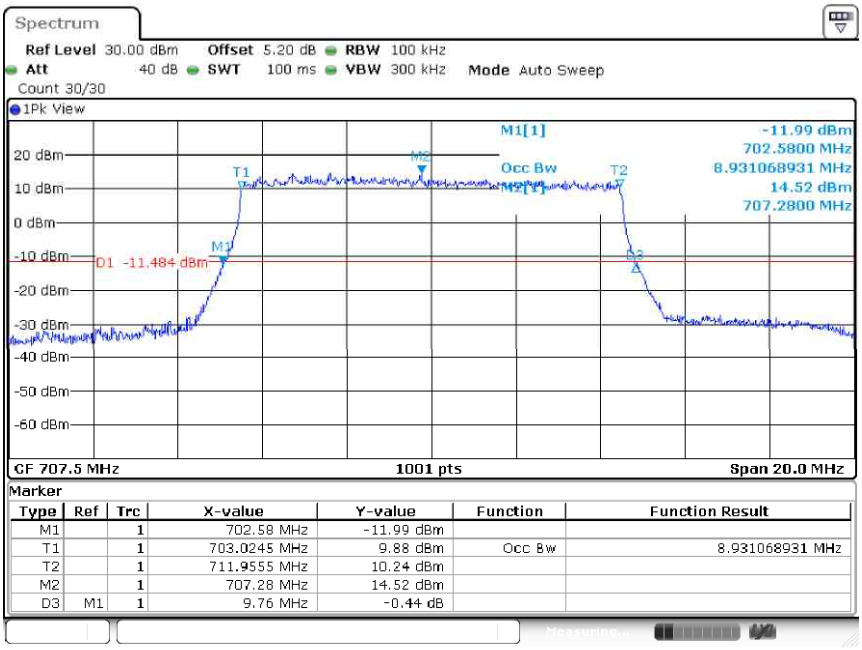
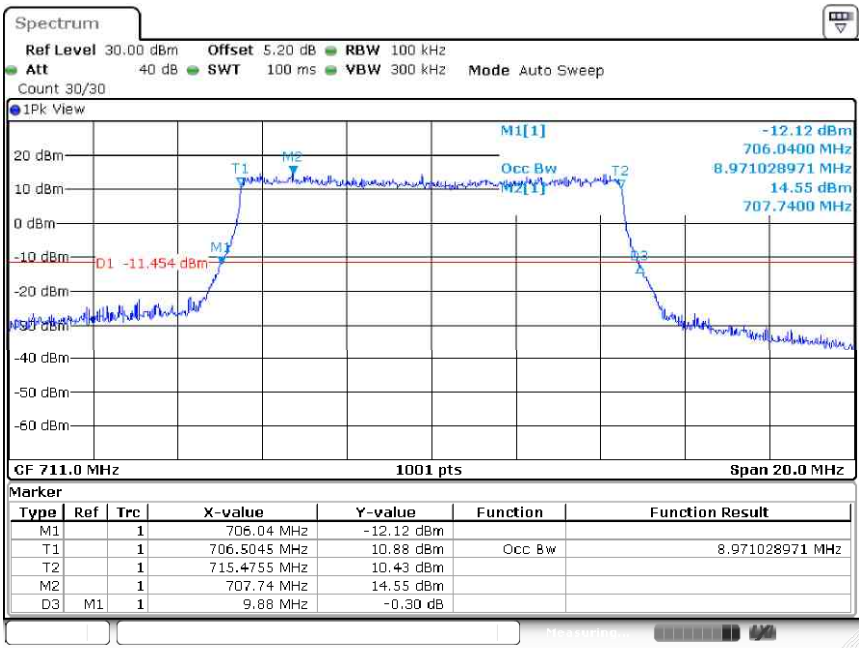
Band12-10MHz-64QAM-23095-50RB#0-8.931



Date: 24.JUN.2020 09:28:29

Band12-10MHz-64QAM-23130-50RB#0-8.971



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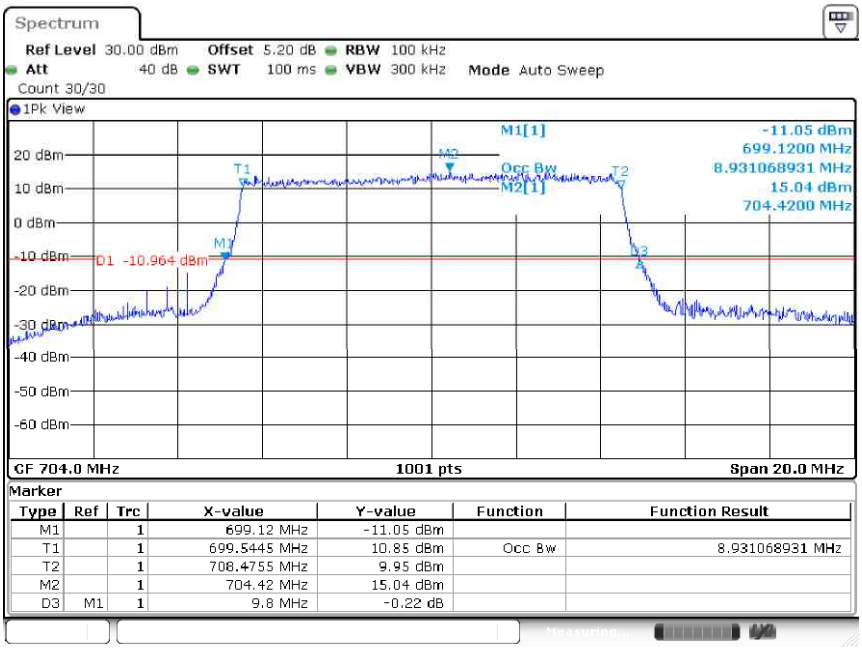
Band12-10MHz-16QAM-23060-50RB#0-8.931

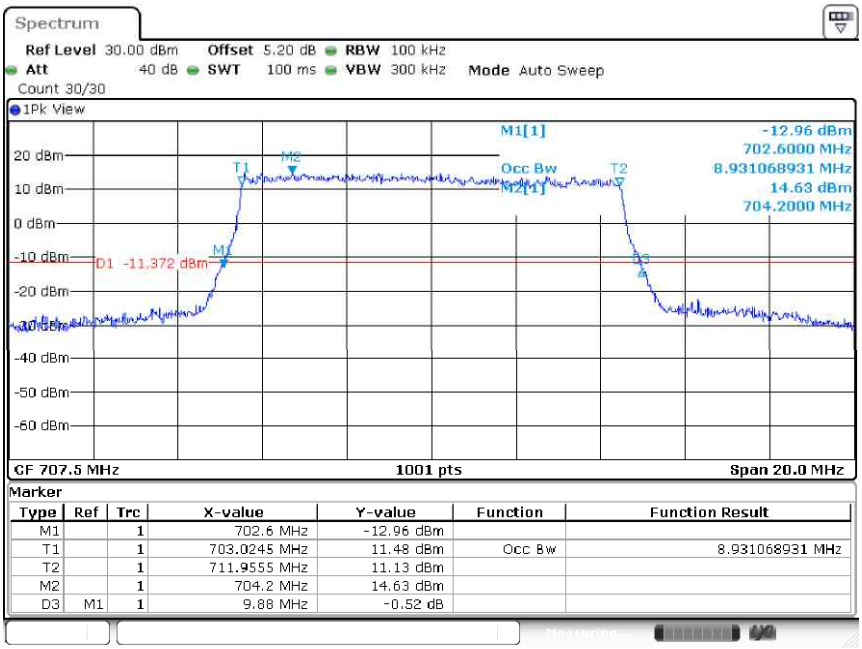


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	699.12 MHz	-11.05 dBm		
T1		1	699.5445 MHz	10.85 dBm	Occ Bw	8.931068931 MHz
T2		1	708.4755 MHz	9.95 dBm		
M2		1	704.42 MHz	15.04 dBm		
D3	M1	1	9.8 MHz	-0.22 dB		

Date: 23.JUN.2020 12:40:16

Band12-10MHz-16QAM-23095-50RB#0-8.931



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	702.6 MHz	-12.96 dBm		
T1		1	703.0245 MHz	11.48 dBm	Occ Bw	8.931068931 MHz
T2		1	711.9555 MHz	11.13 dBm		
M2		1	704.2 MHz	14.63 dBm		
D3	M1	1	9.88 MHz	-0.52 dB		

Date: 23.JUN.2020 12:40:42

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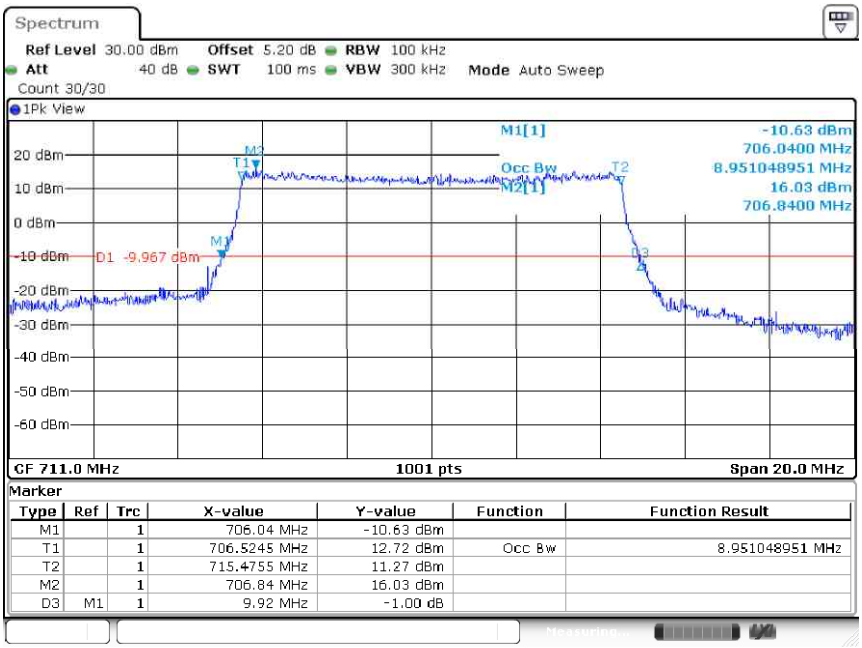
Band12-10MHz-16QAM-23130-50RB#0-8.951



Date: 23.JUN.2020 12:41:07

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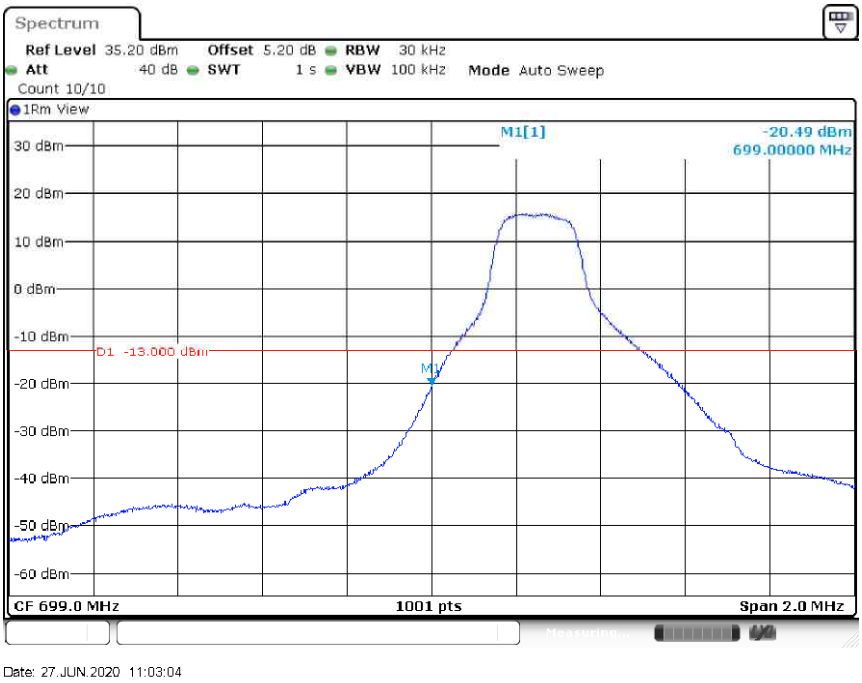
5. Band Edge Compliance

5.1. Test Plots

Band12-1.4MHz-QPSK-23017-1RB#0



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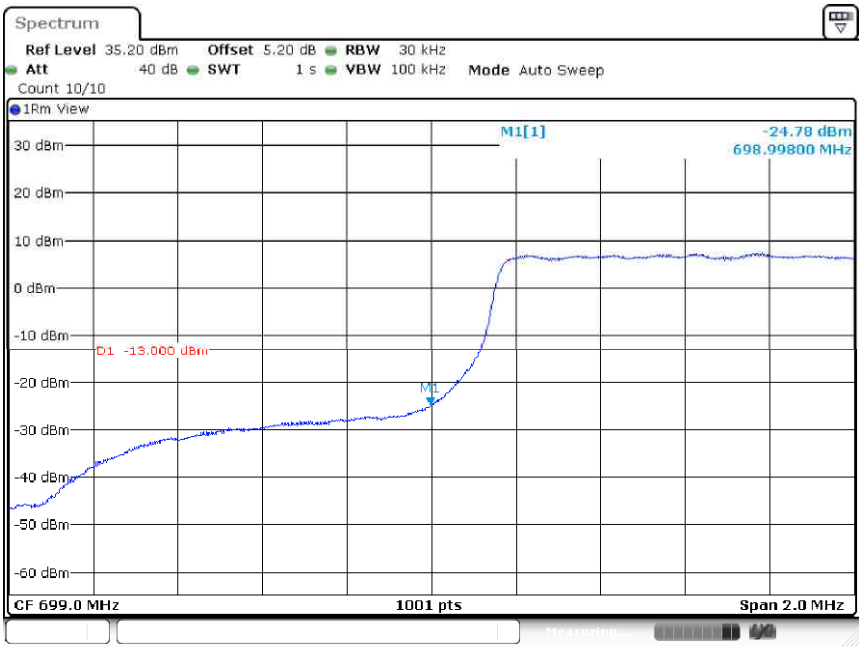
Band12-1.4MHz-QPSK-23017-6RB#0



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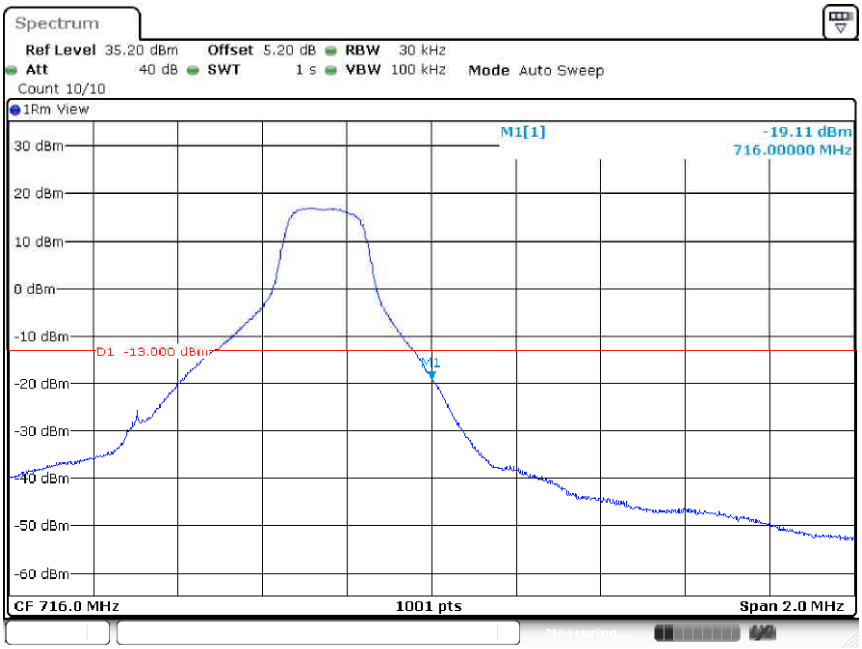
Band12-1.4MHz-QPSK-23173-1RB#5



Date: 27.JUN.2020 11:04:31

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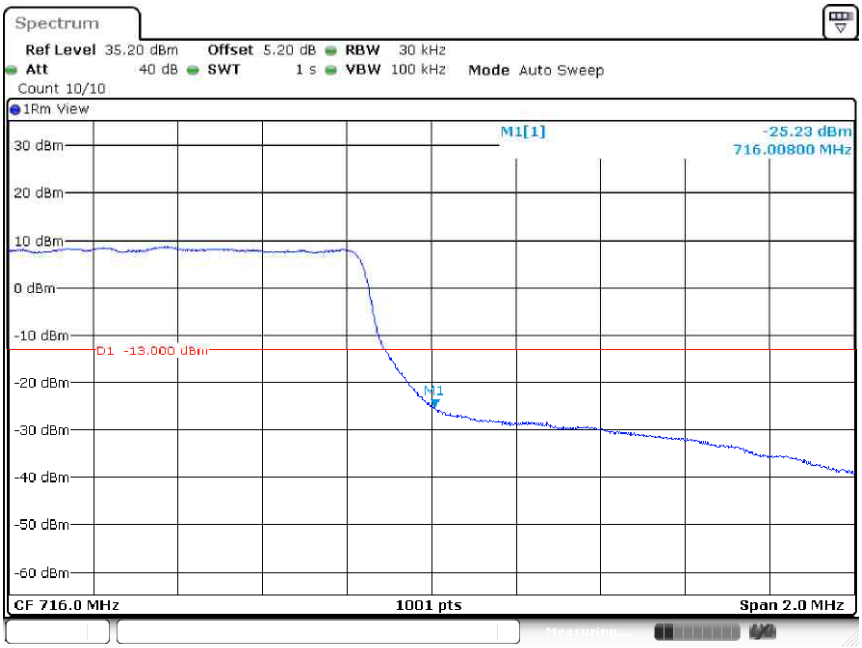
Band12-1.4MHz-QPSK-23173-6RB#0



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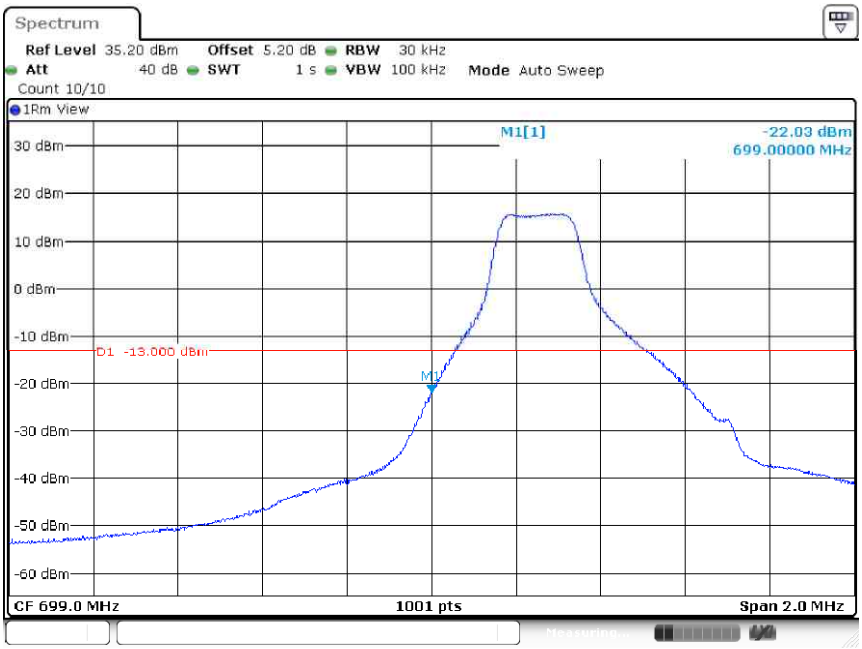
Band12-1.4MHz-64QAM-23017-1RB#0



Date: 24.JUN.2020 09:29:07

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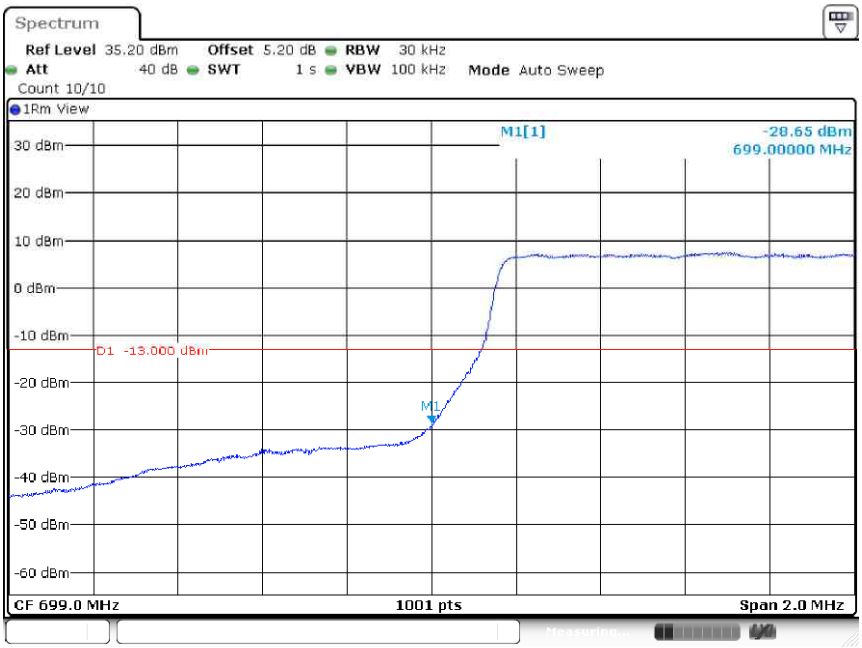
Band12-1.4MHz-64QAM-23017-6RB#0



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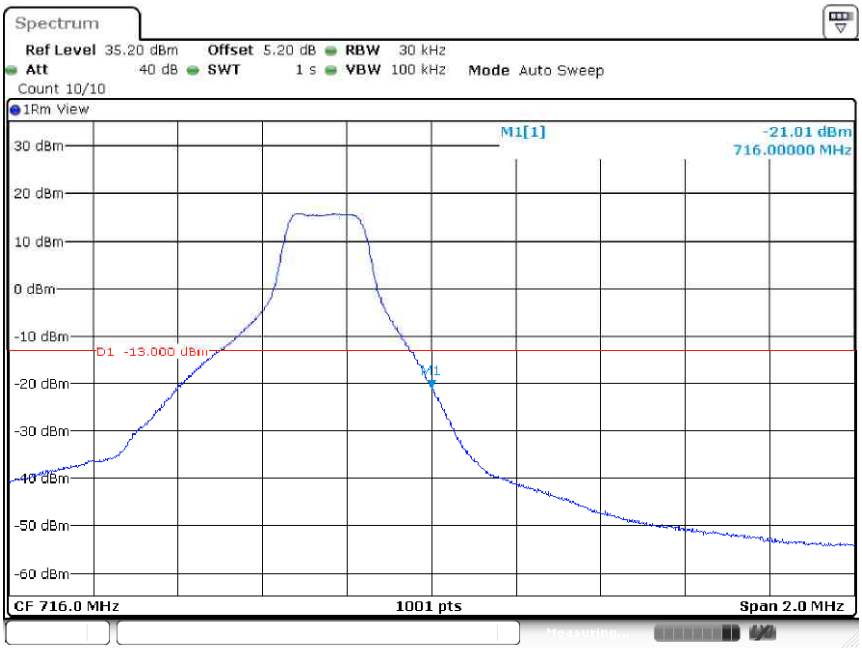

Date: 24.JUN.2020 09:29:53

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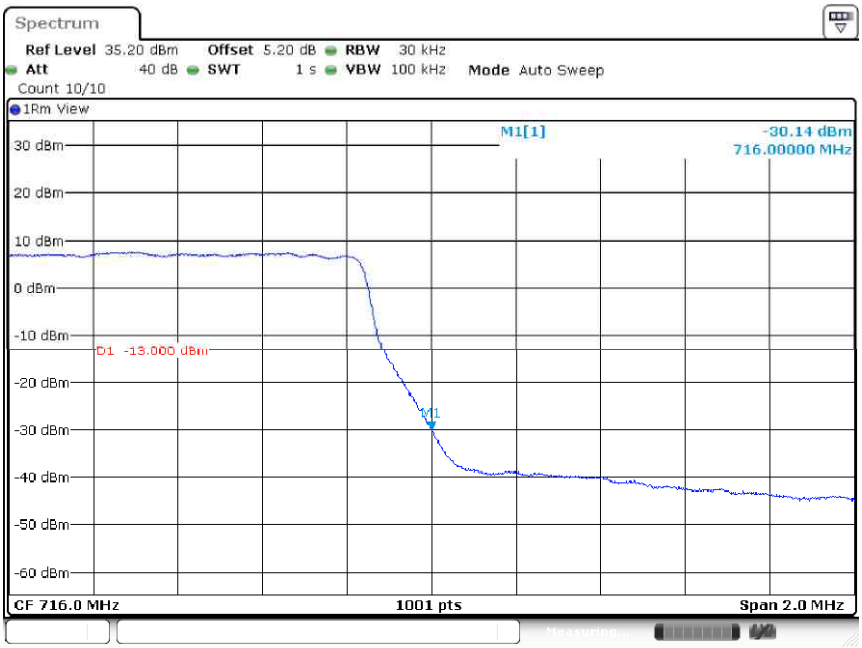
Band12-1.4MHz-64QAM-23173-6RB#0



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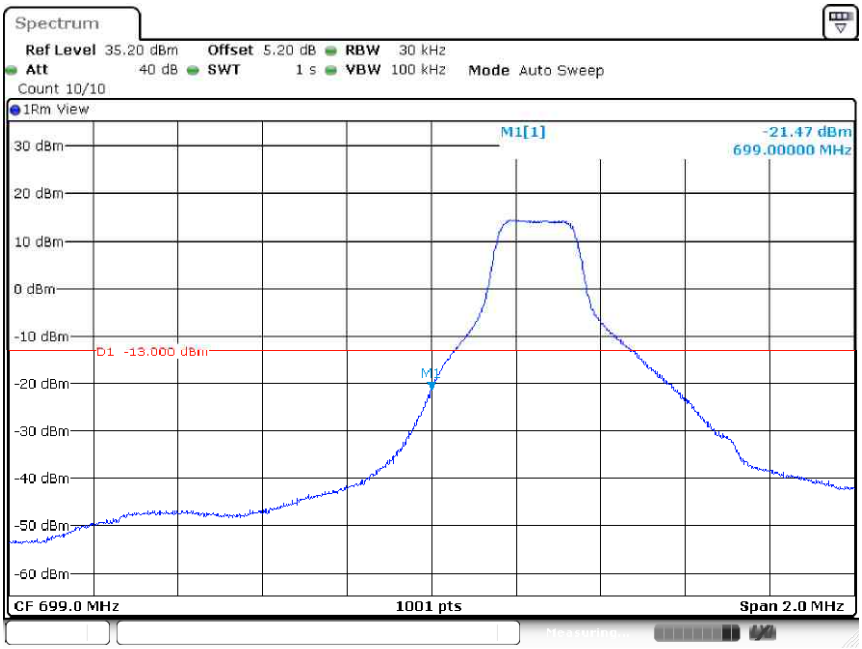
Band12-1.4MHz-16QAM-23017-1RB#0



Date: 27.JUN.2020 11:03:25

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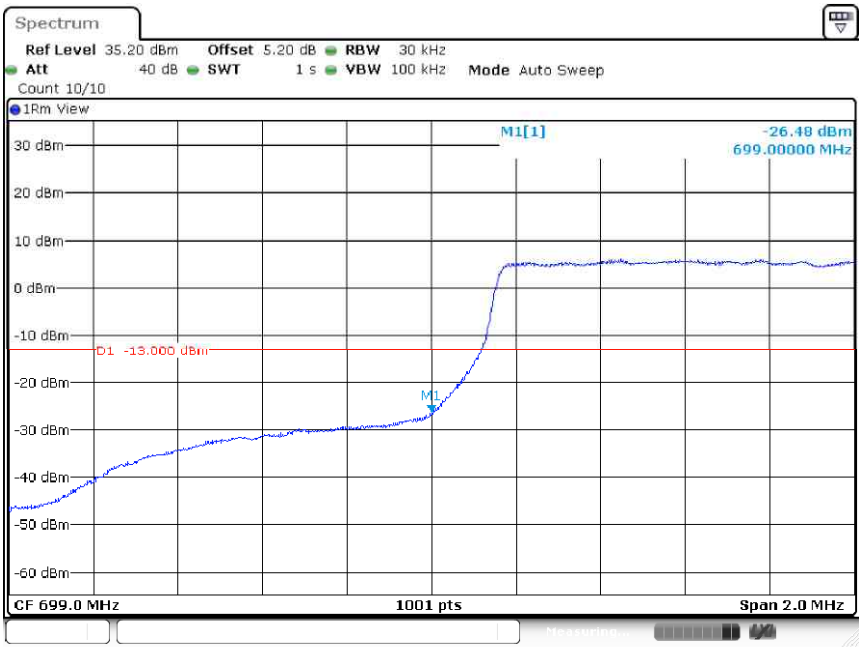
Band12-1.4MHz-16QAM-23017-6RB#0



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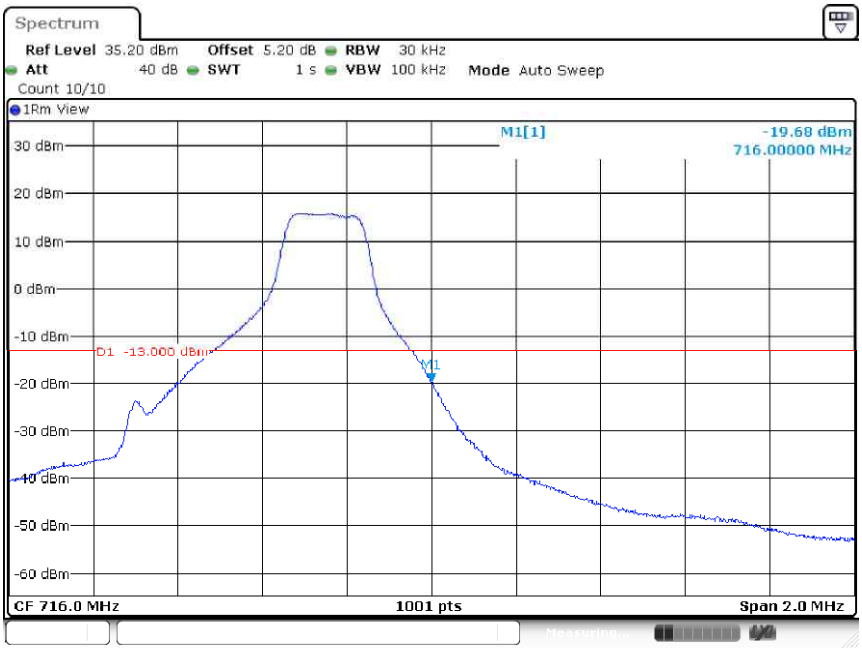

Date: 27.JUN.2020 11:04:51

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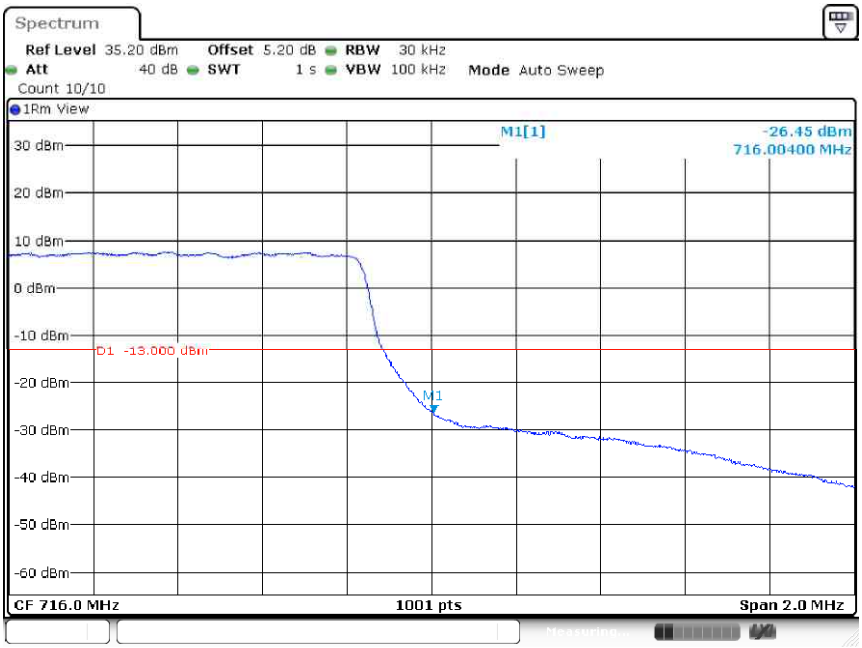
Band12-1.4MHz-16QAM-23173-6RB#0



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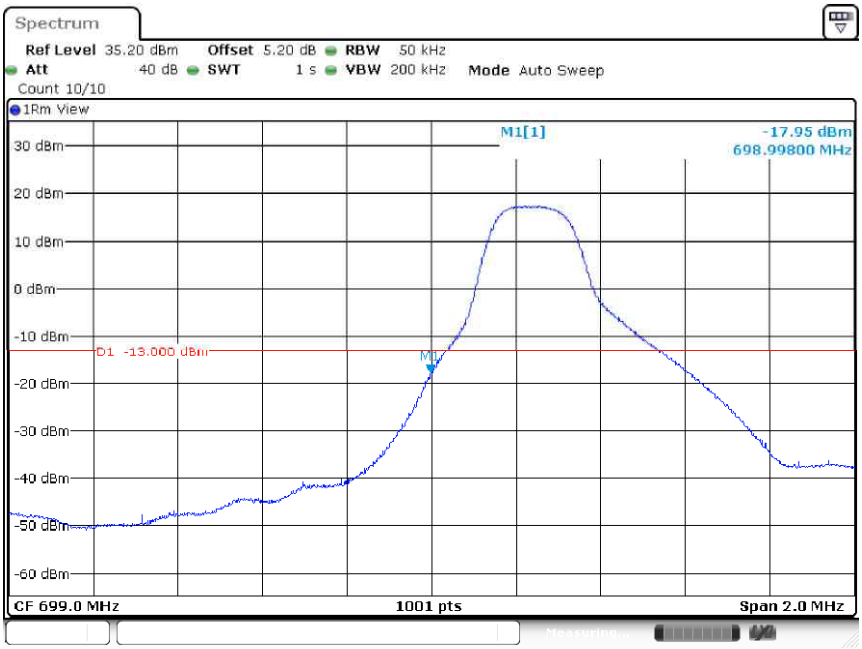
Band12-3MHz-QPSK-23025-1RB#0



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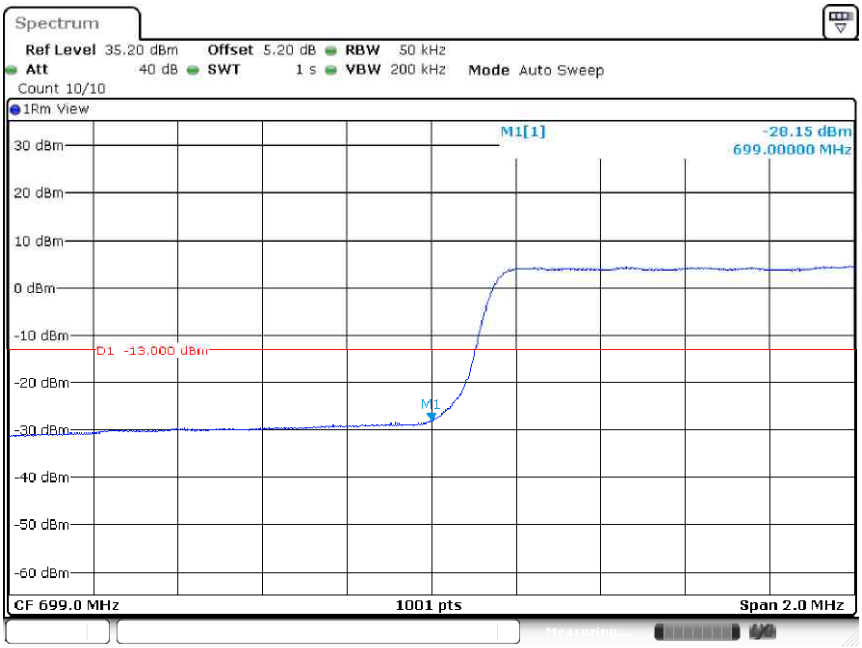
Band12-3MHz-QPSK-23025-15RB#0



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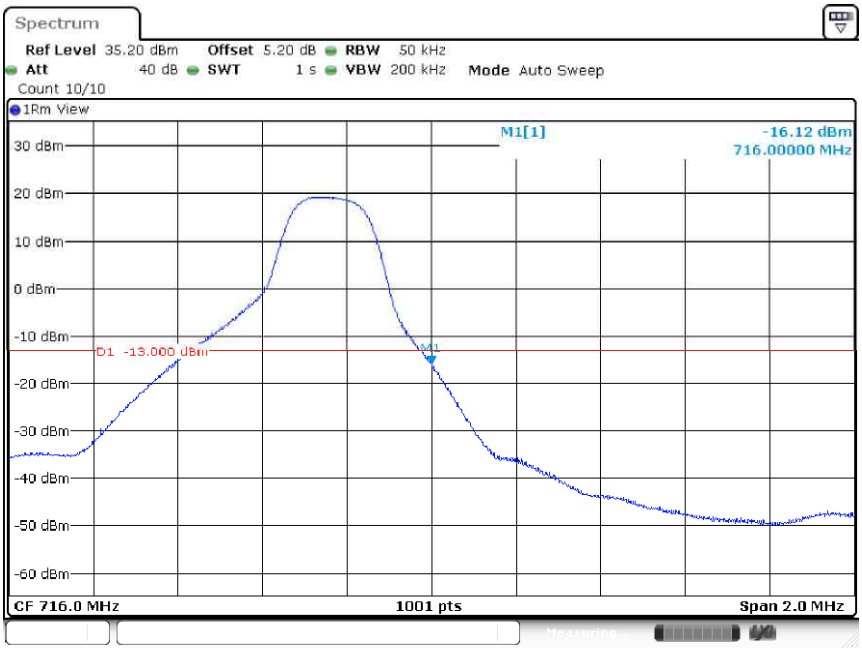
Band12-3MHz-QPSK-23165-1RB#14



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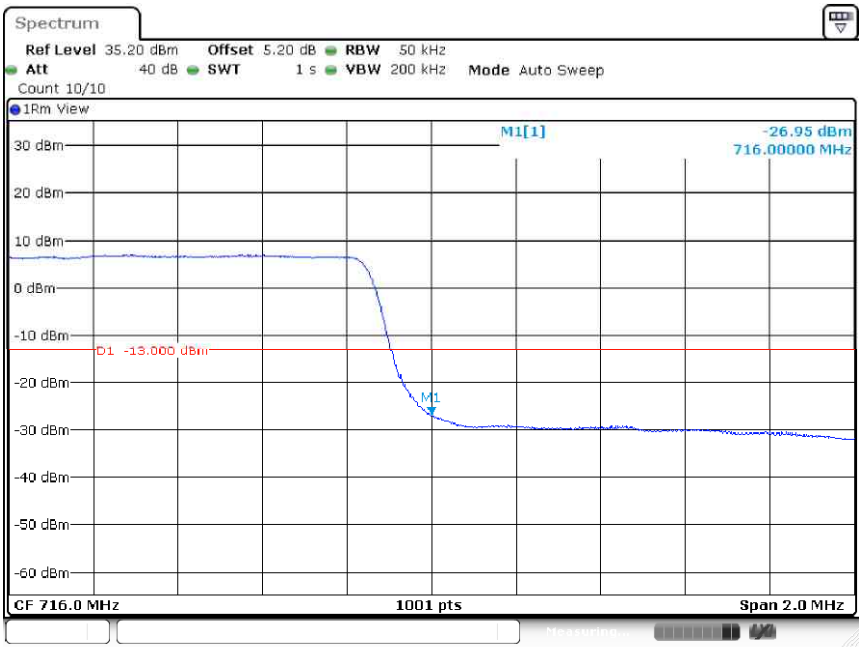

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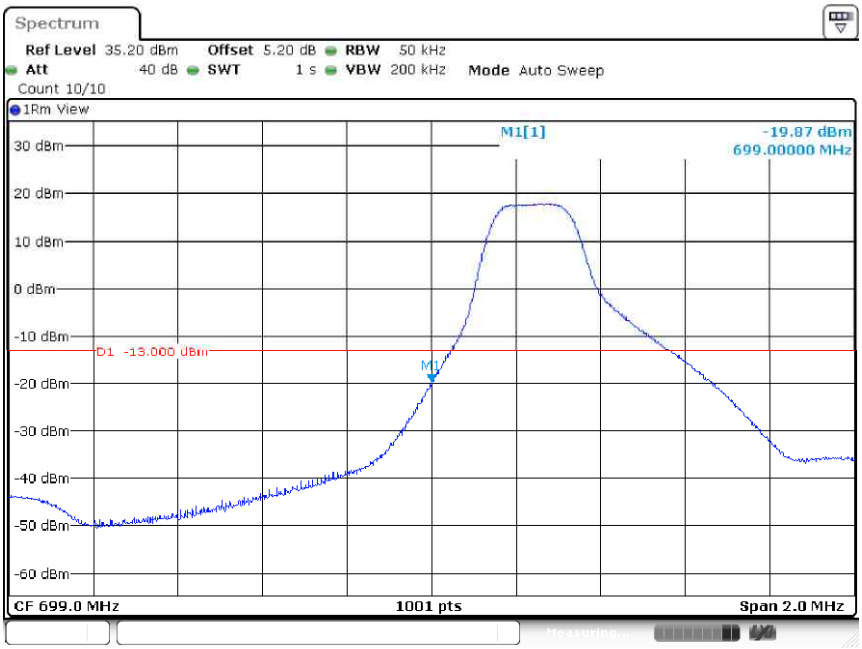

Date: 24.JUN.2020 09:30:39

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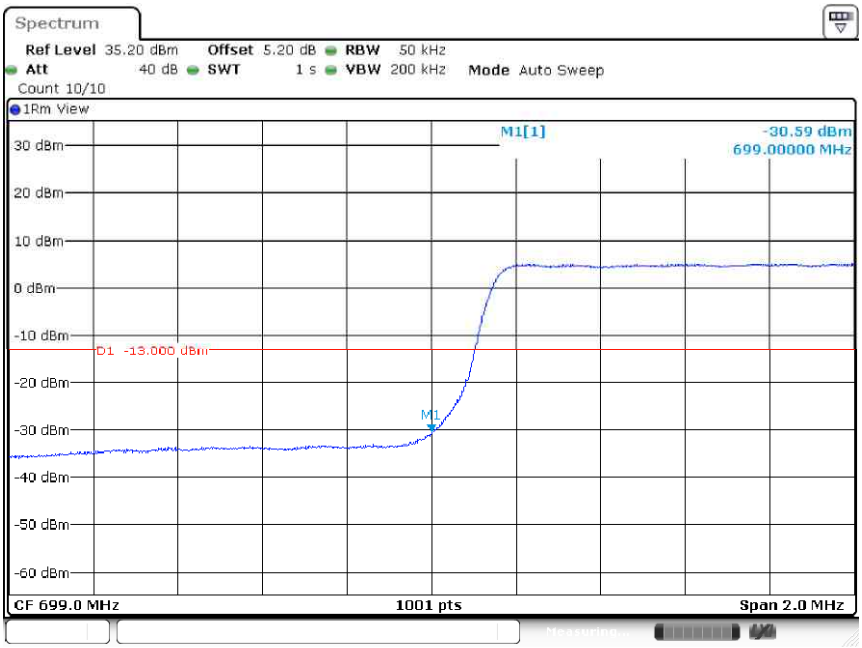

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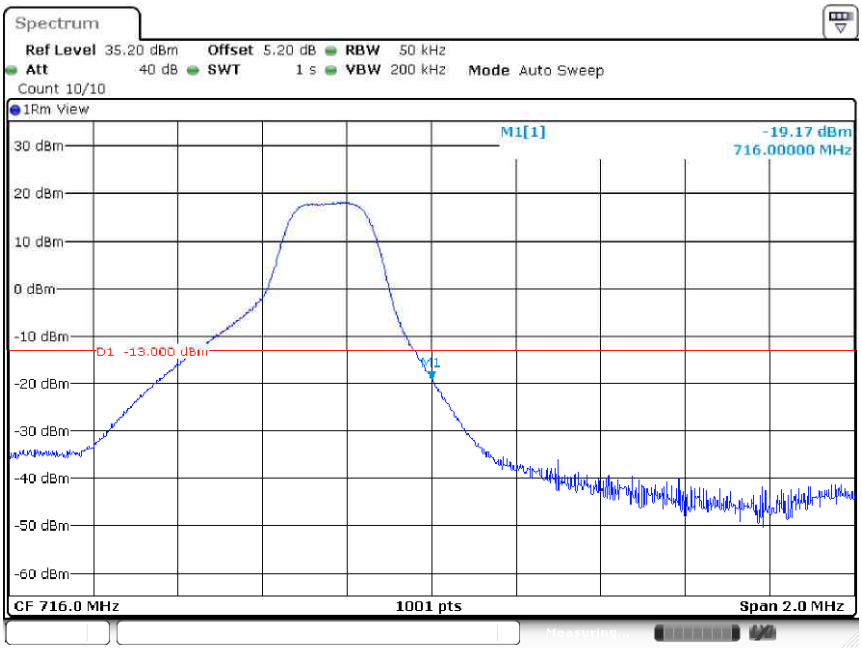

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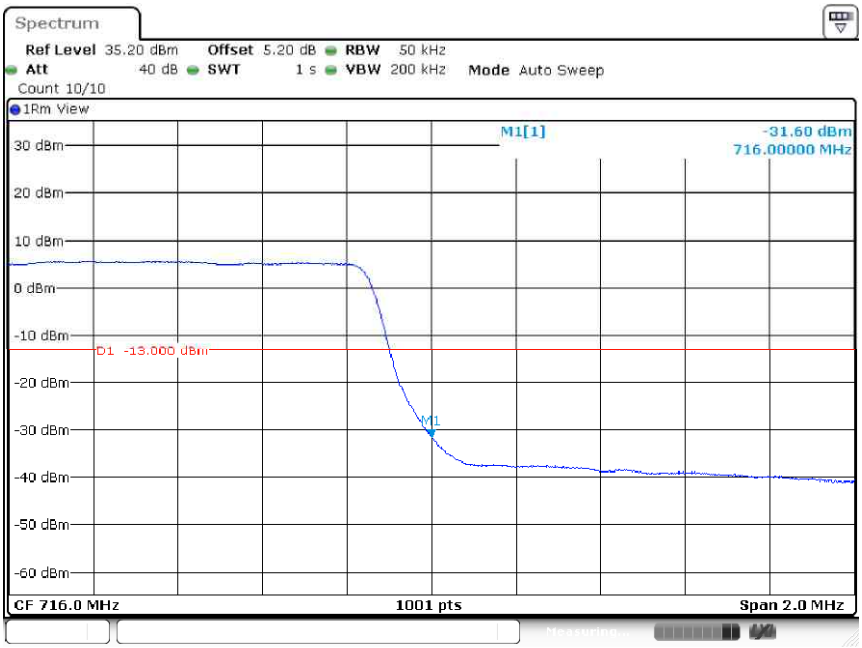
Band12-3MHz-64QAM-23165-15RB#0



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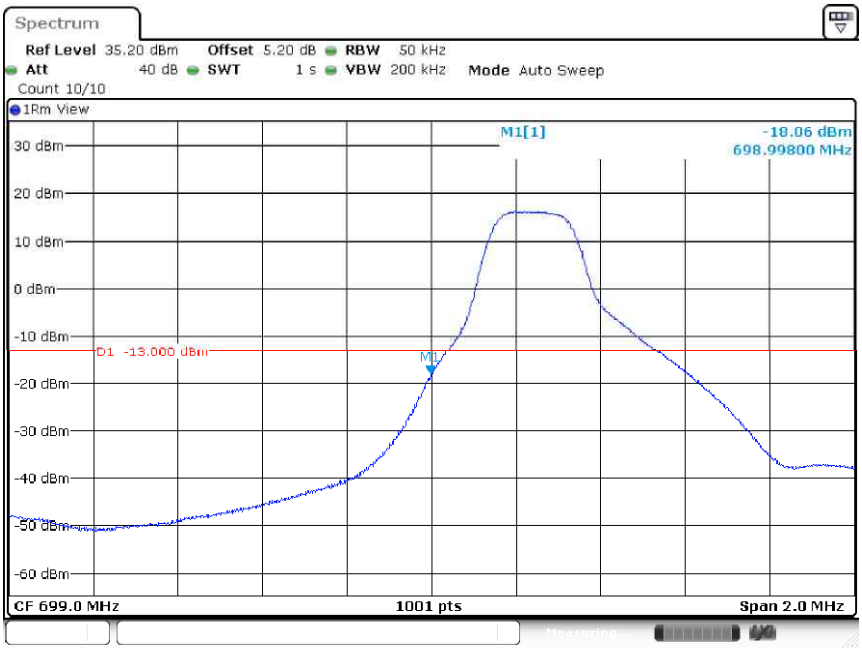

Date: 27.JUN.2020 11:06:18

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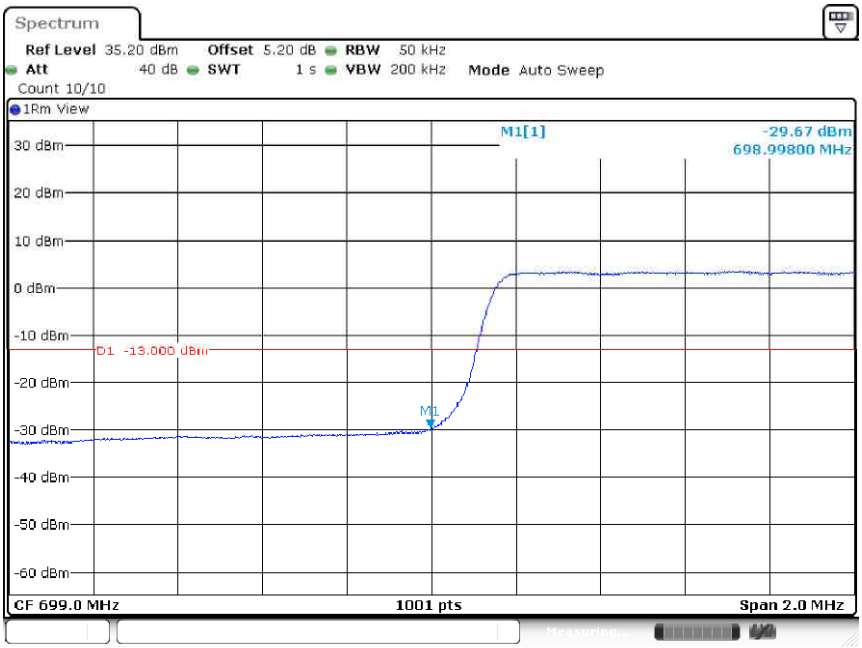
Band12-3MHz-16QAM-23025-15RB#0



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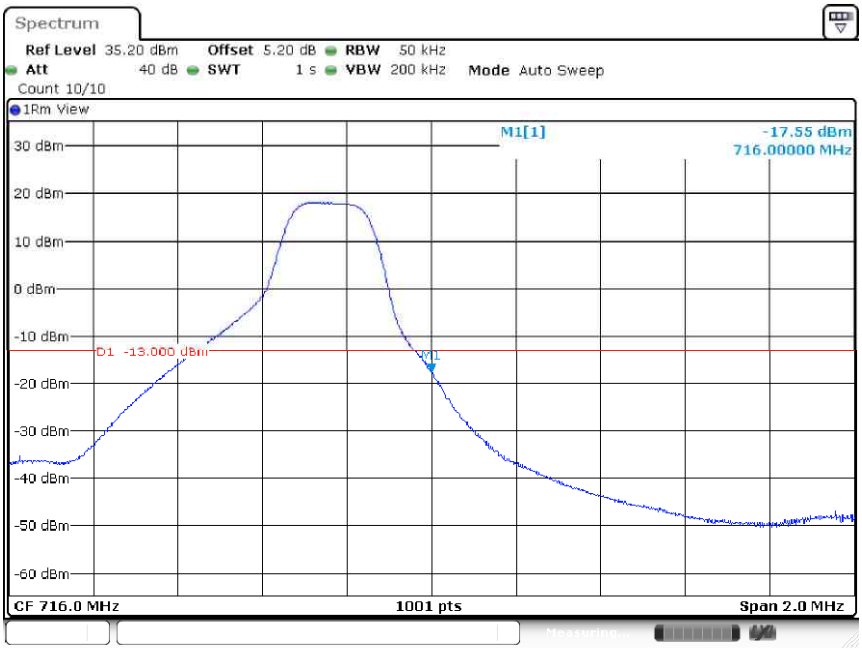

Date: 27.JUN.2020 11:07:45

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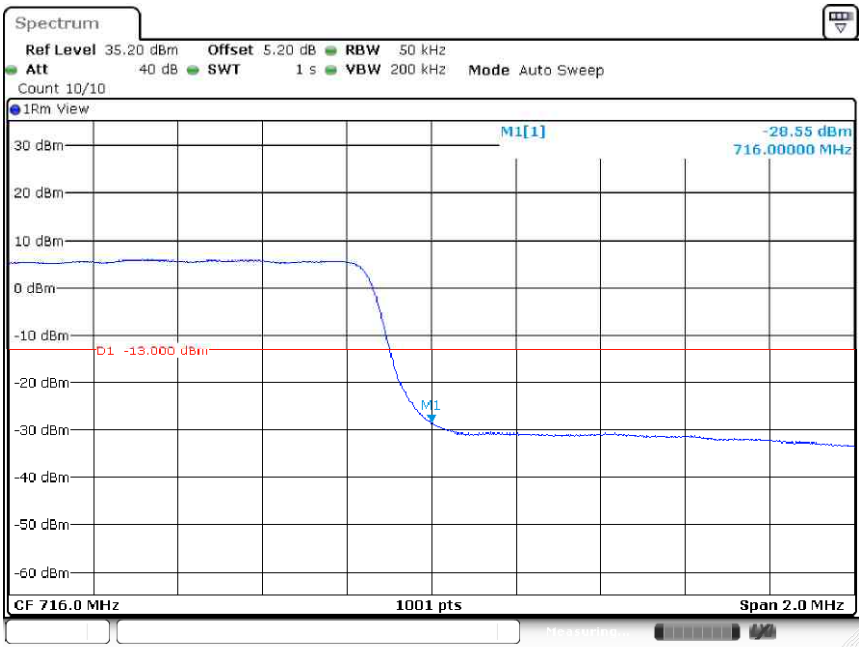
Band12-3MHz-16QAM-23165-15RB#0



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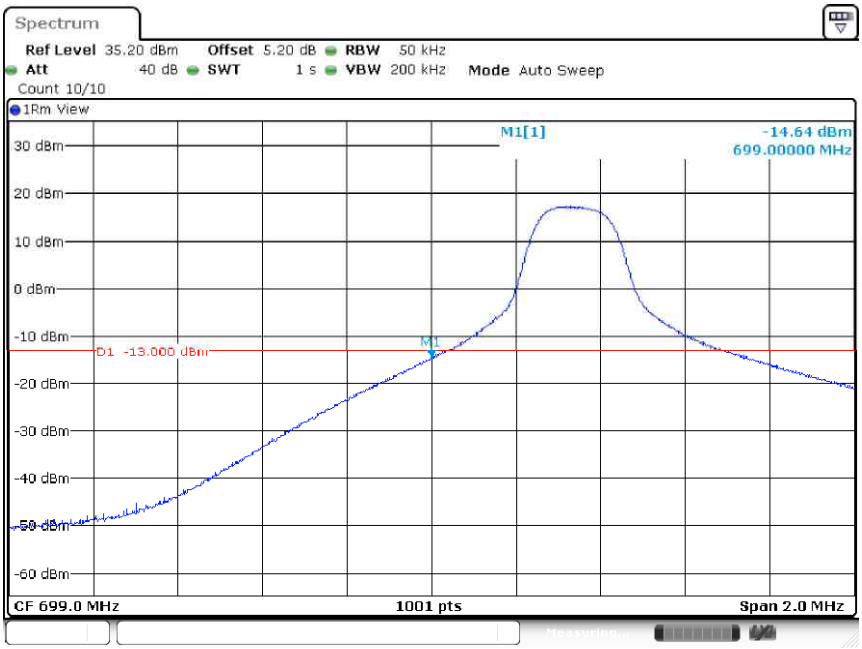
Band12-5MHz-QPSK-23035-1RB#0



Date: 27.JUN.2020 11:08:51

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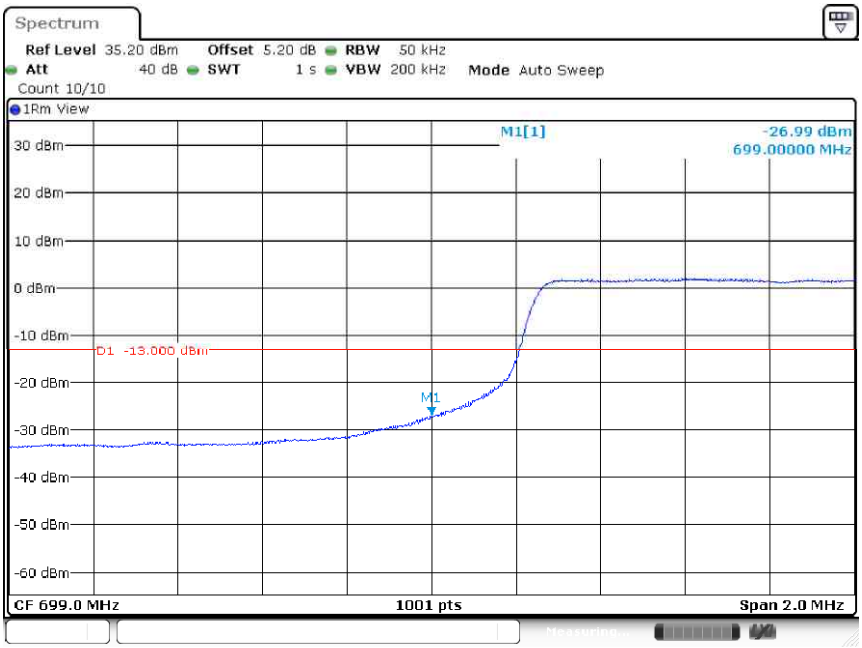
Band12-5MHz-QPSK-23035-25RB#0



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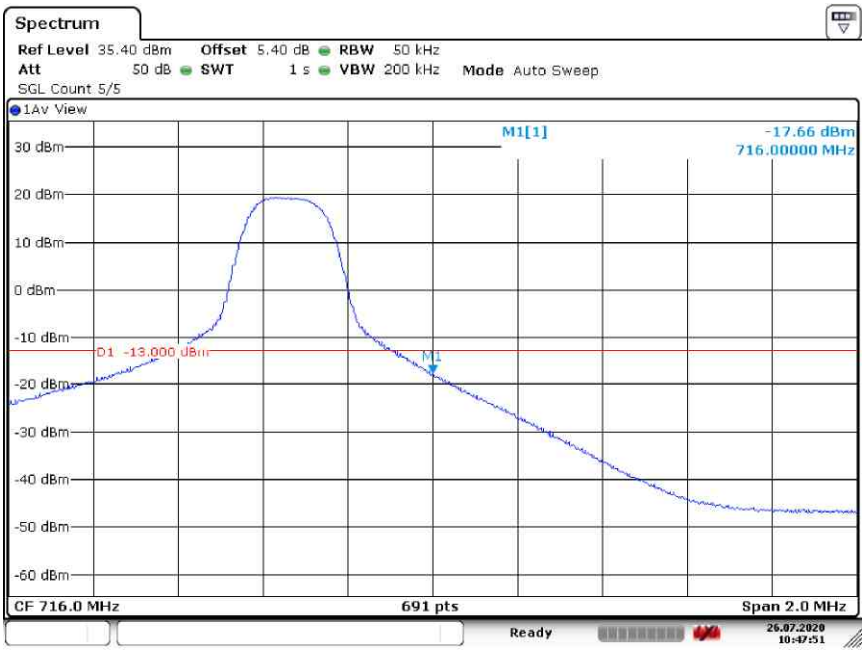
Band12-5MHz-QPSK-23155-1RB#24



Date: 26.JUL.2020 10:47:51

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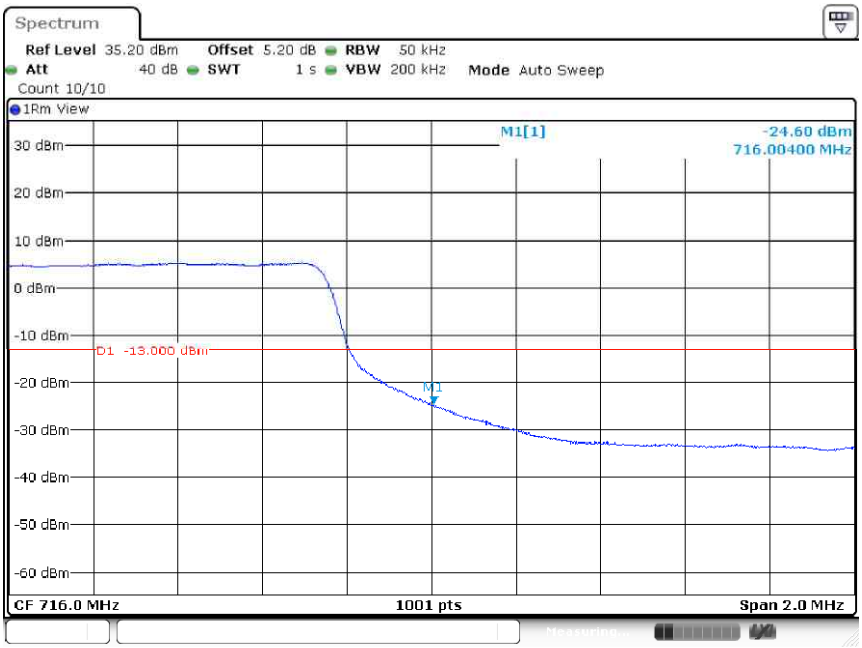
Band12-5MHz-QPSK-23155-25RB#0



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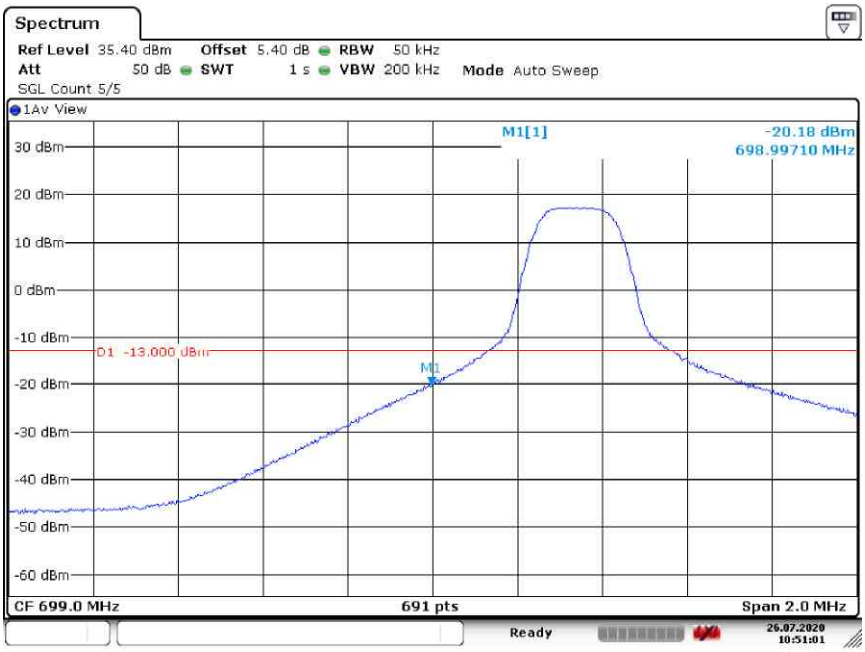

Date: 26.JUL.2020 10:51:01

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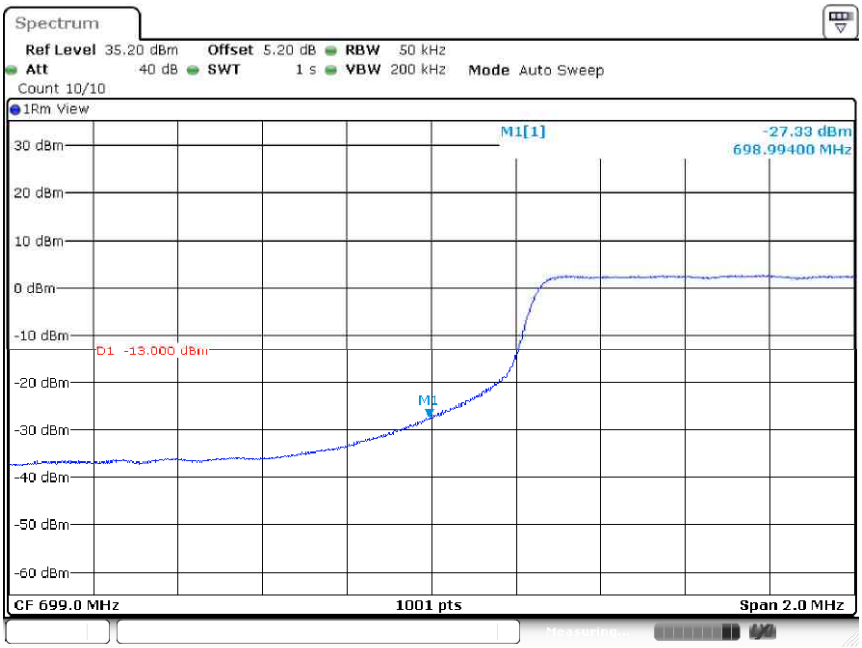
Band12-5MHz-64QAM-23035-25RB#0



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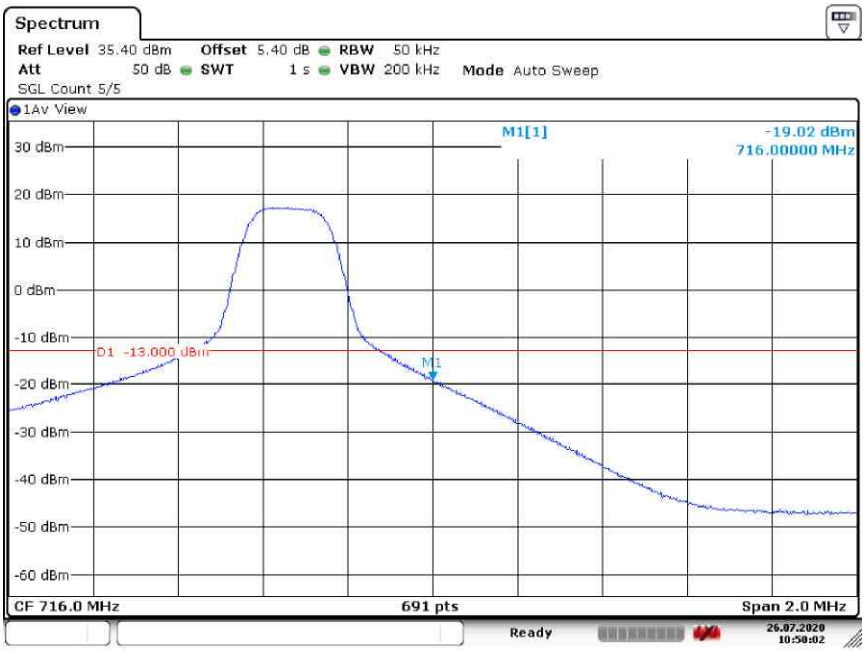
Band12-5MHz-64QAM-23155-1RB#24



Date: 26.JUL.2020 10:50:02

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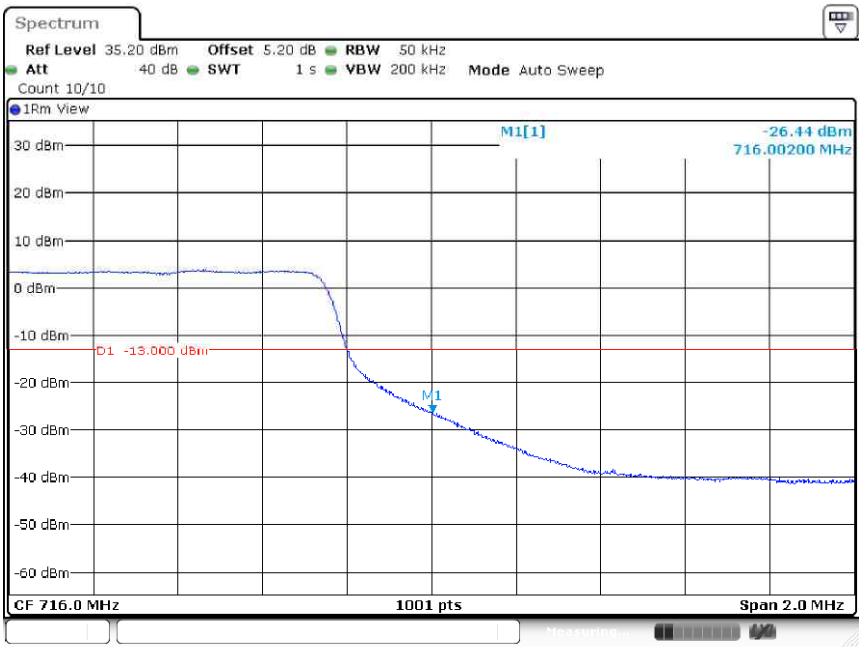
Band12-5MHz-64QAM-23155-25RB#0



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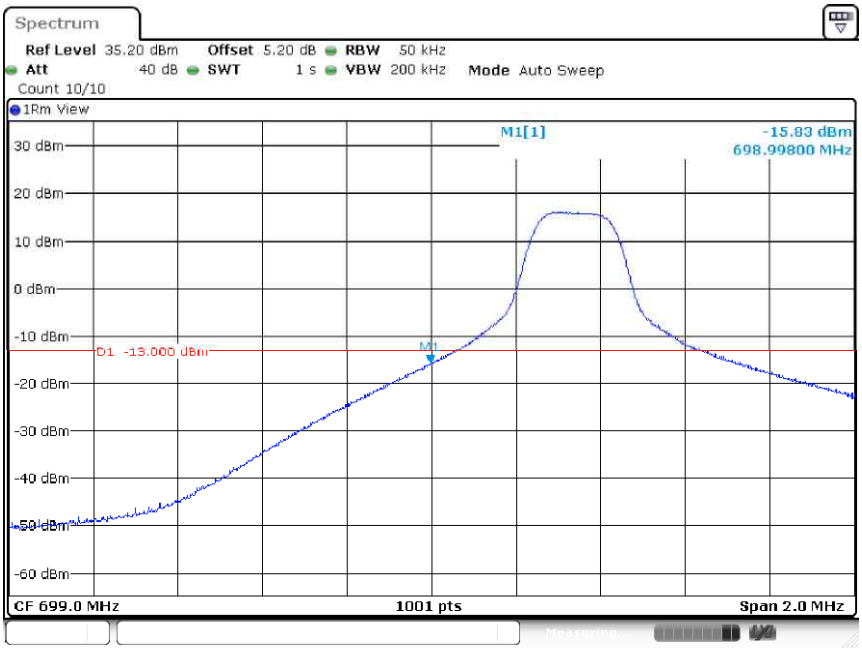

Date: 27.JUN.2020 11:09:12

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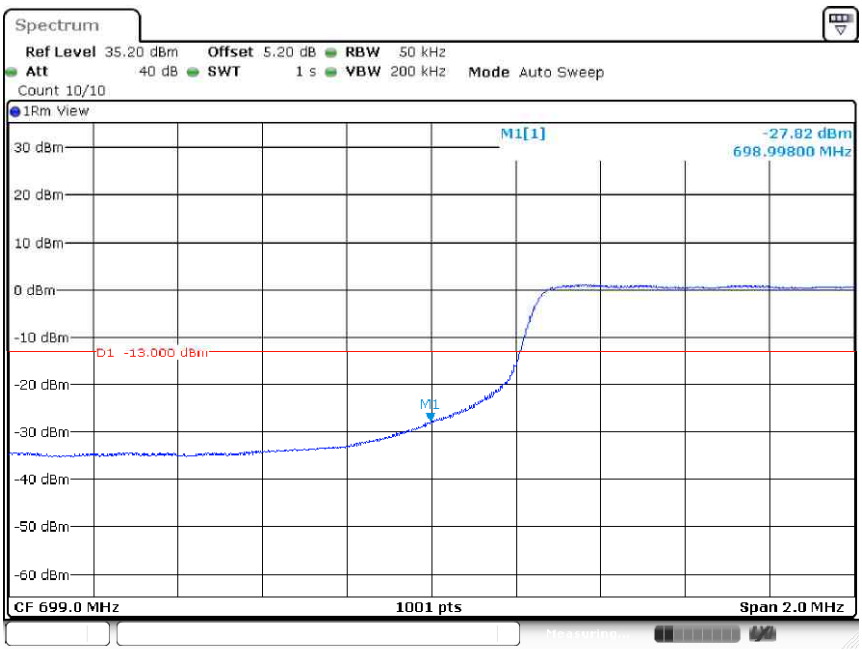
Band12-5MHz-16QAM-23035-25RB#0



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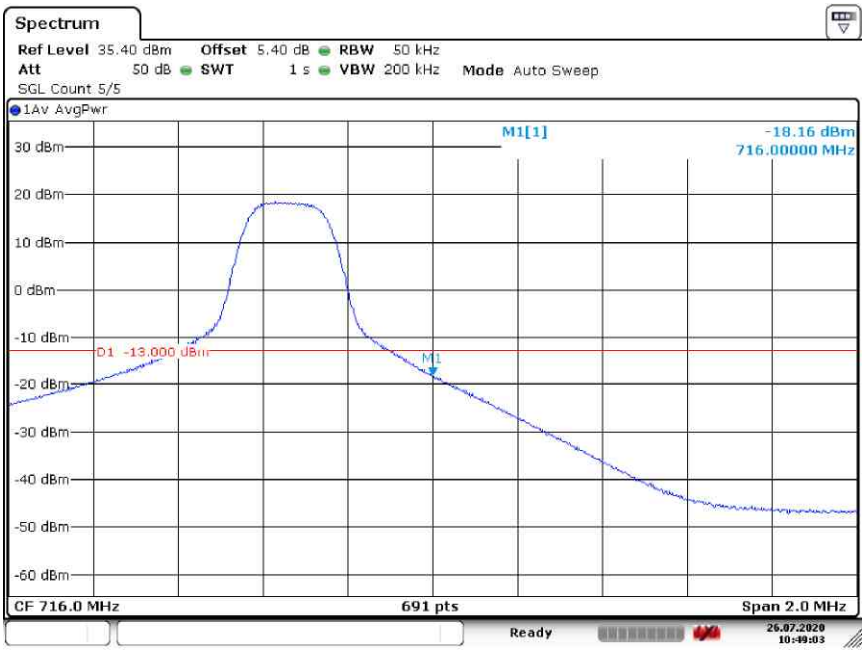

Date: 26.JUL.2020 10:49:04

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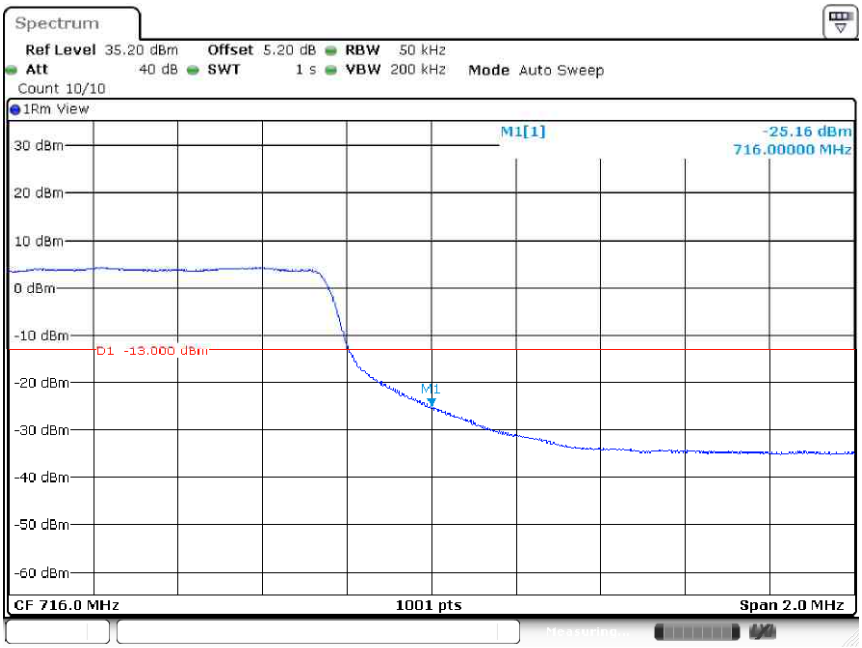

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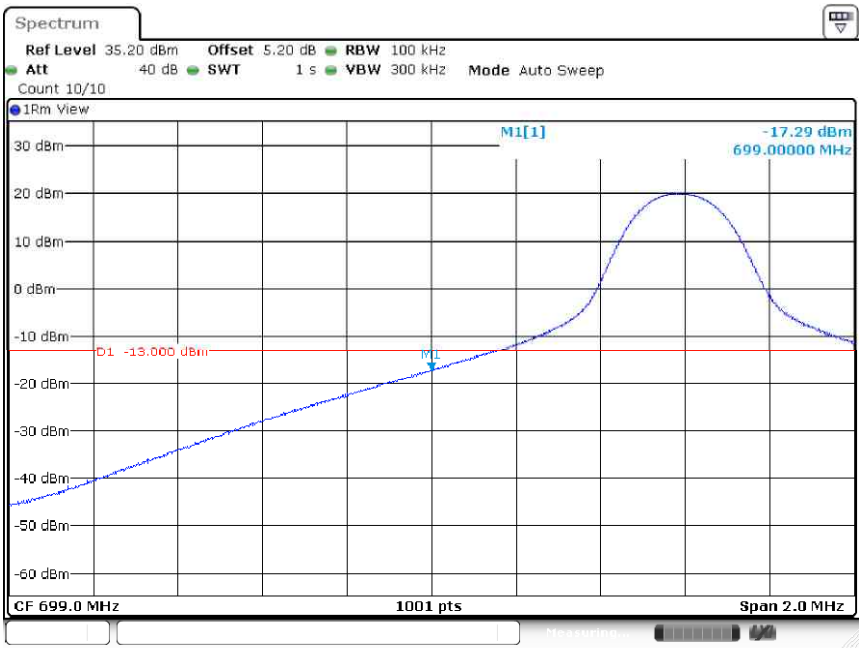

Date: 27.JUN.2020 11:15:28

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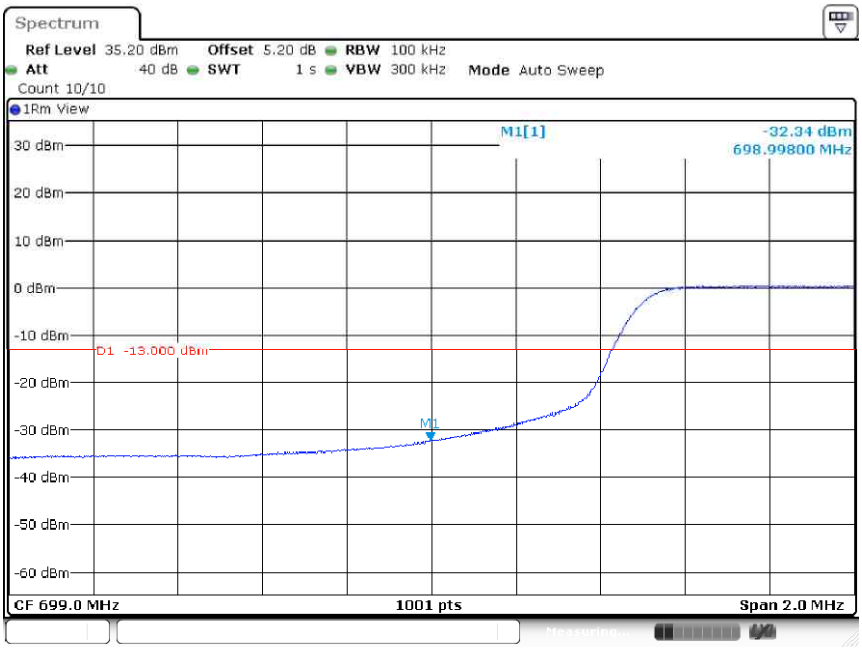
Band12-10MHz-QPSK-23060-50RB#0



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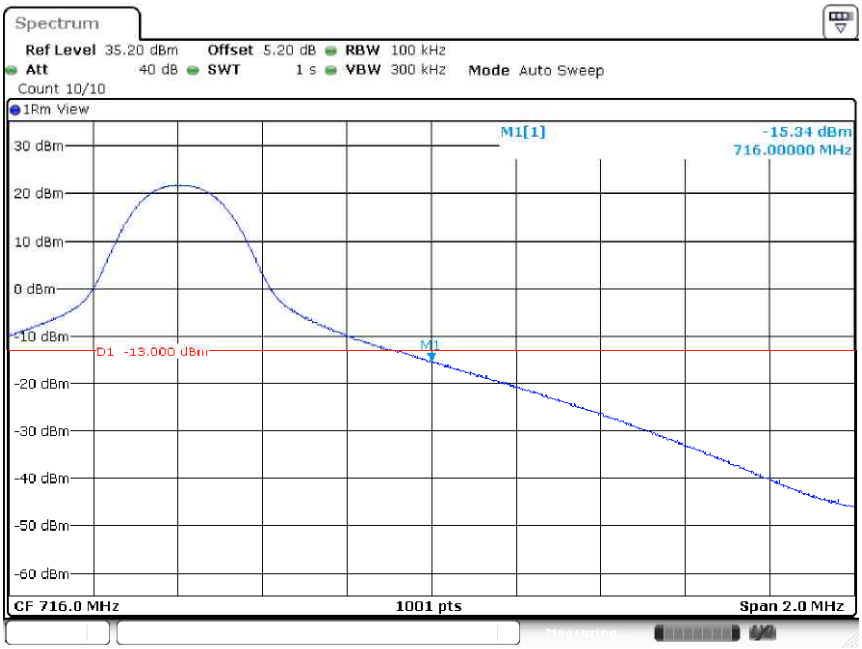
Band12-10MHz-QPSK-23130-1RB#49



Date: 27.JUN.2020 11:16:54

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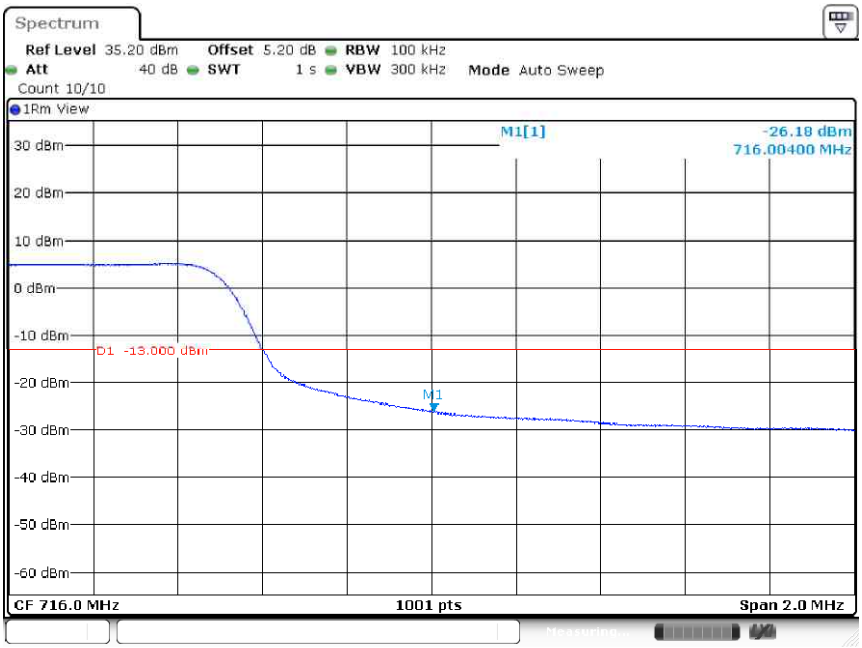

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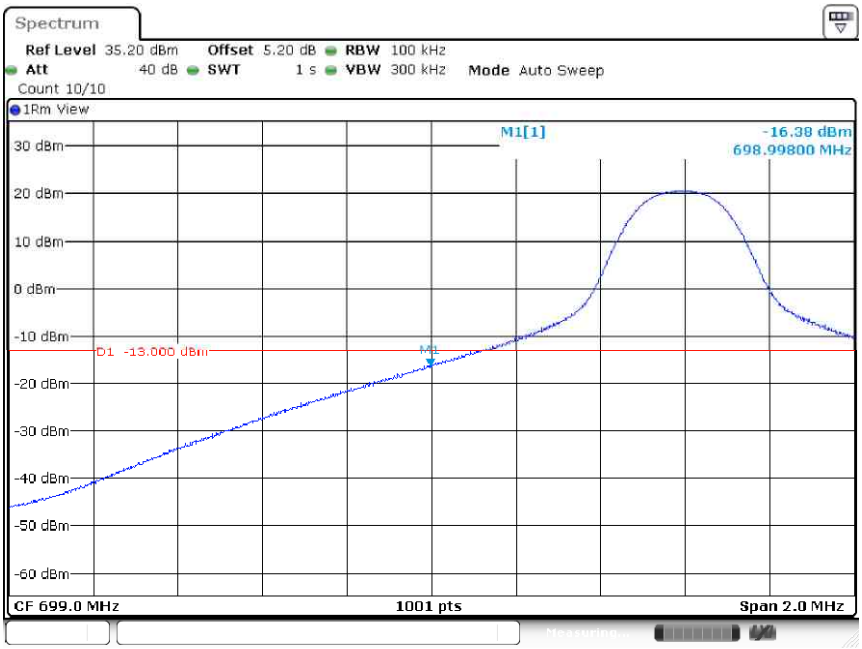

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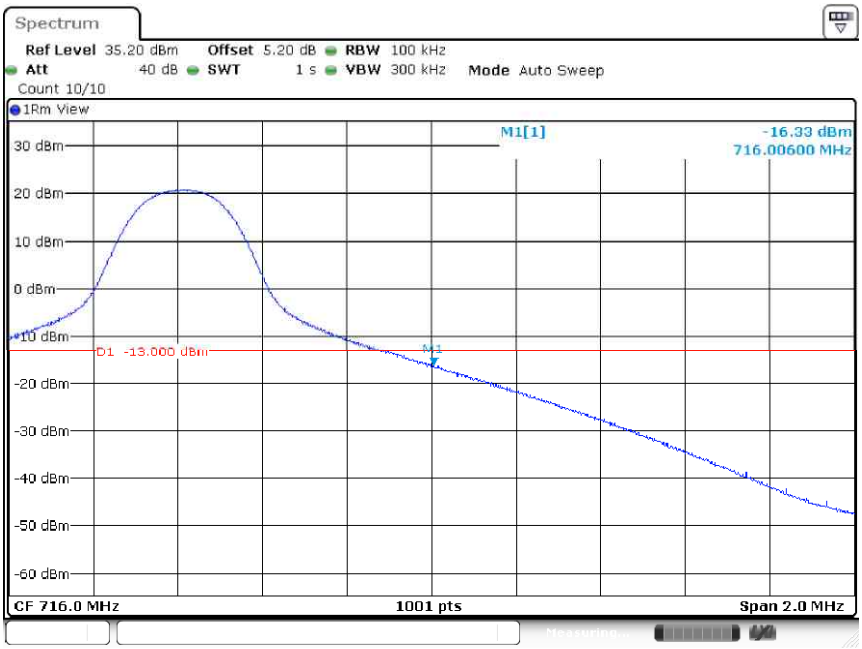
Band12-10MHz-64QAM-23060-50RB#0

Date: 24.JUN.2020 09:34:03

Band12-10MHz-64QAM-23130-1RB#49



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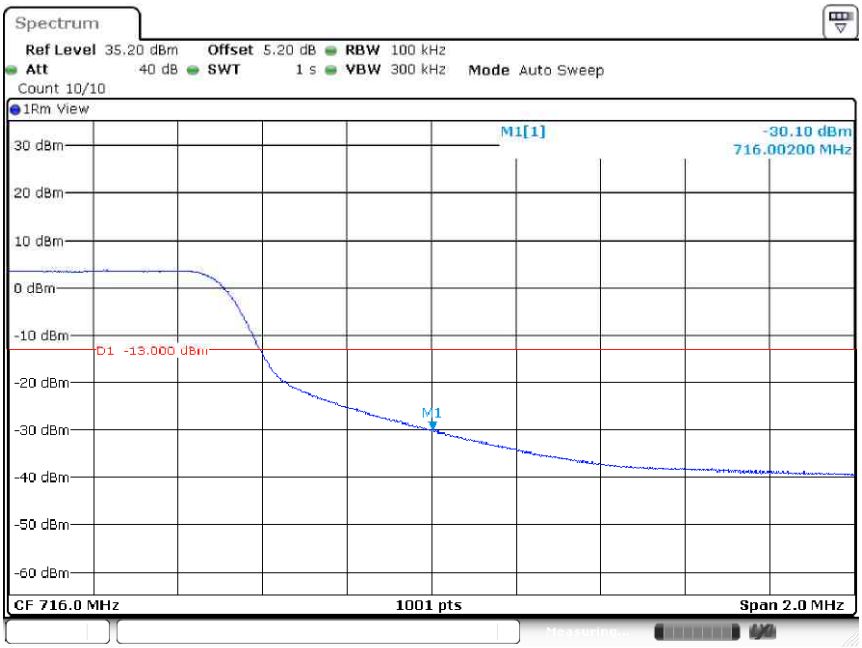
Band12-10MHz-64QAM-23130-50RB#0



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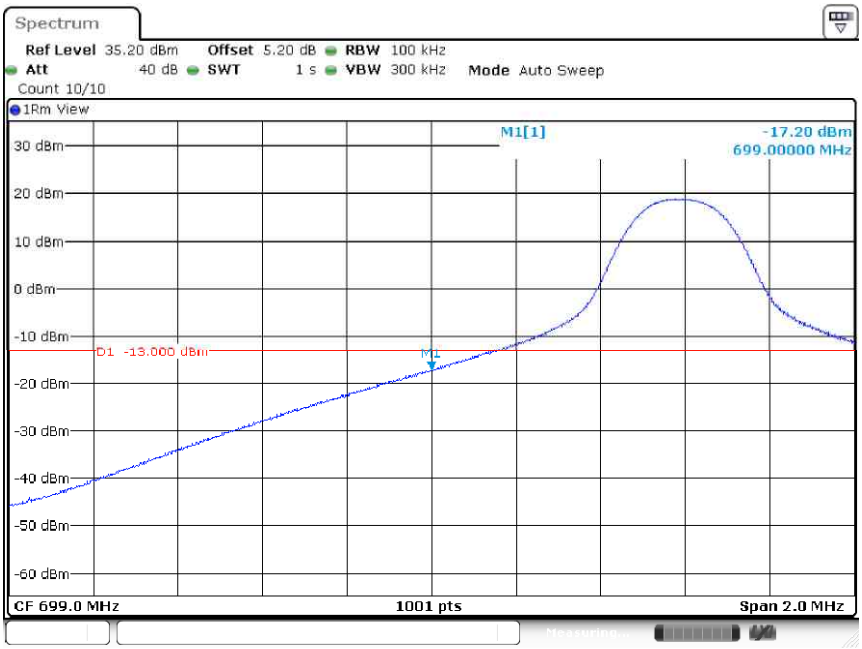

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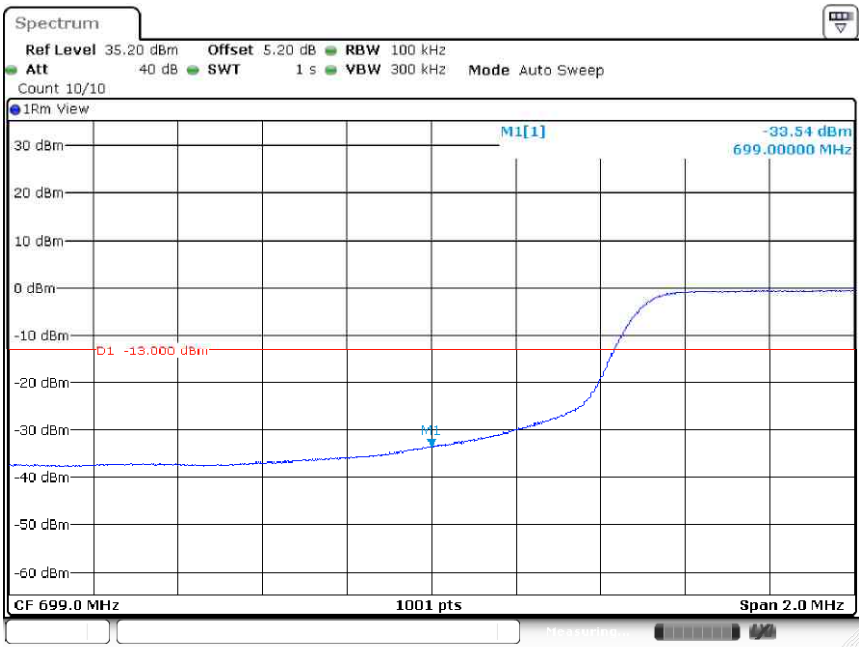
Band12-10MHz-16QAM-23060-50RB#0



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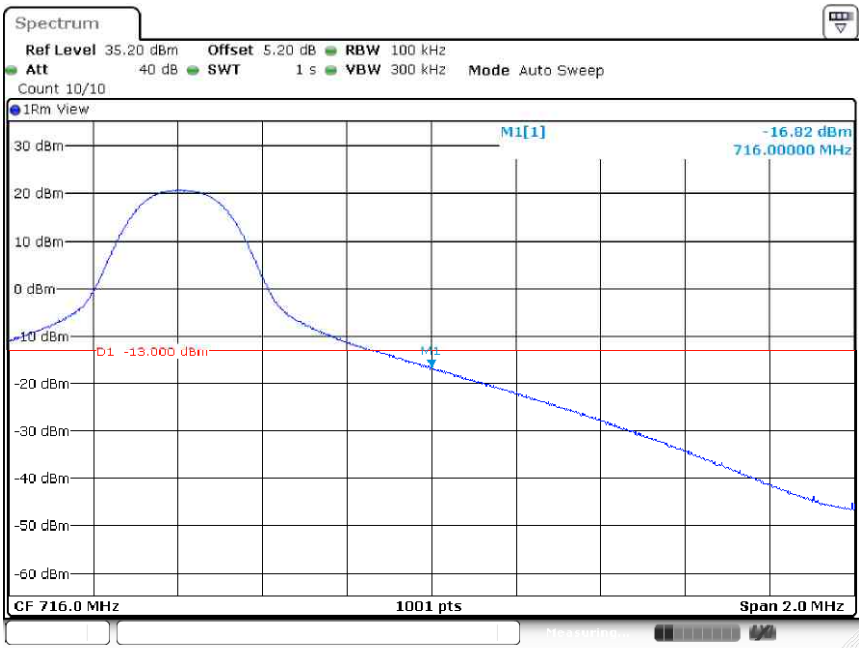

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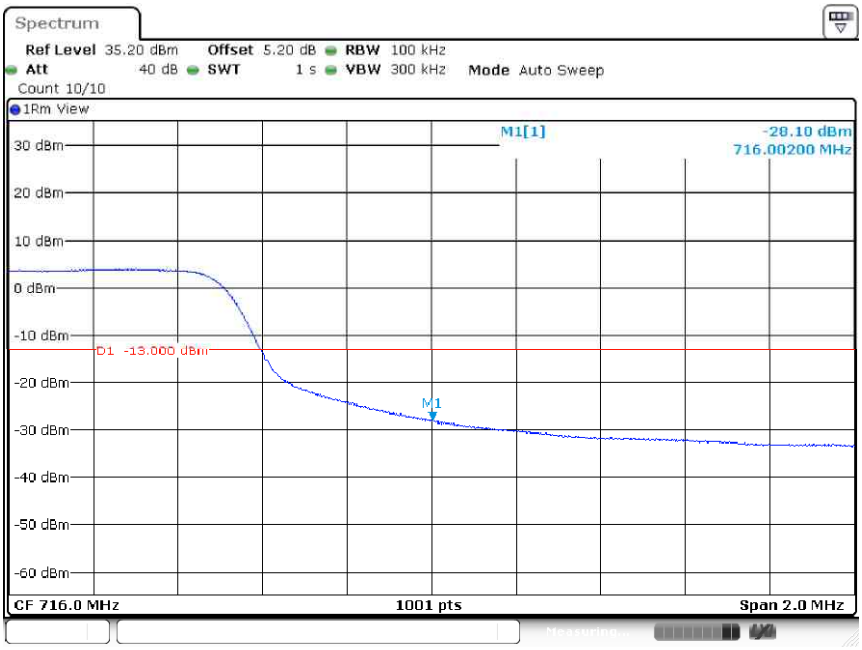
Band12-10MHz-16QAM-23130-50RB#0



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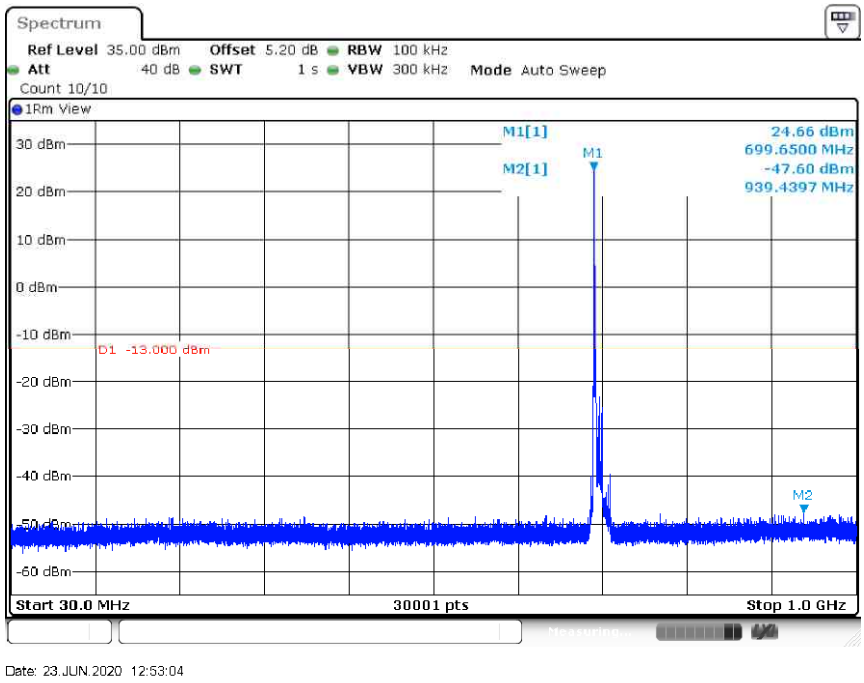
6. Spurious Emission at Antenna Terminal

Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of < RBW/2 so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = k * (Span / RBW)" with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.
Remark2: only the worst case data displayed in this report.

6.1. Test Plots

Band12-10MHz-QPSK-23060-1RB#0-Range1:30~1000MHz



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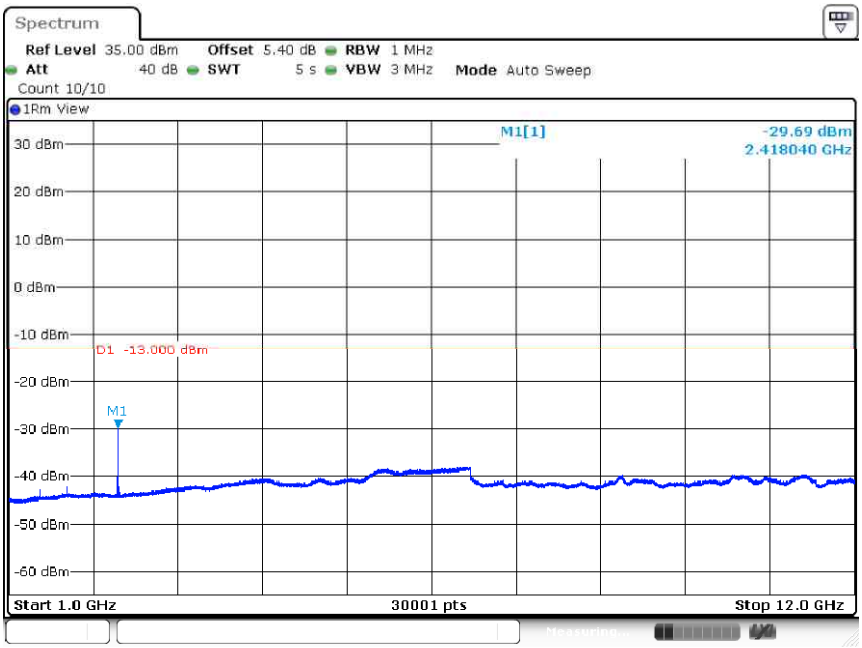
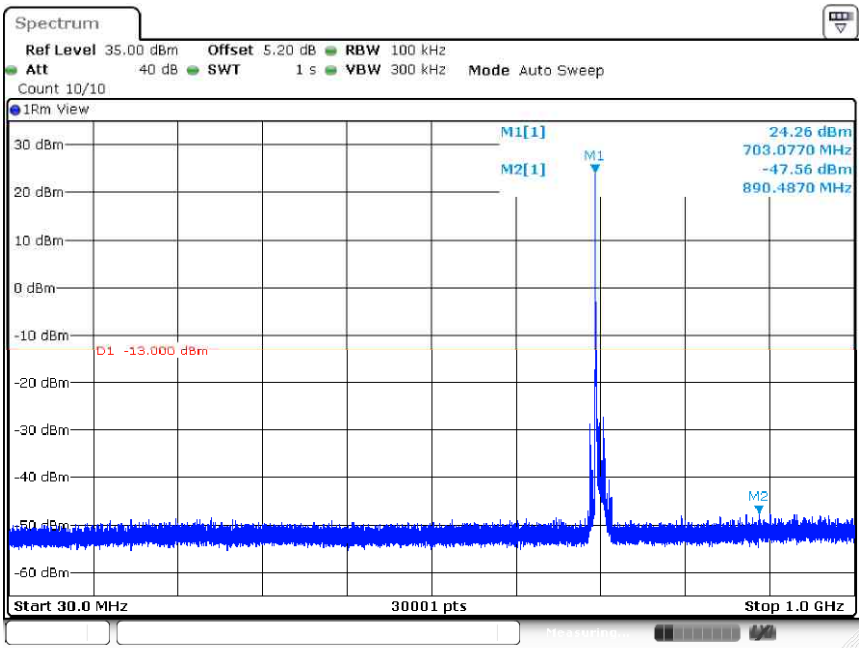
Band12-10MHz-QPSK-23060-1RB#0-Range2:1000~12000MHz



Date: 23.JUN.2020 12:54:11

Band12-10MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



Date: 23.JUN.2020 12:55:58

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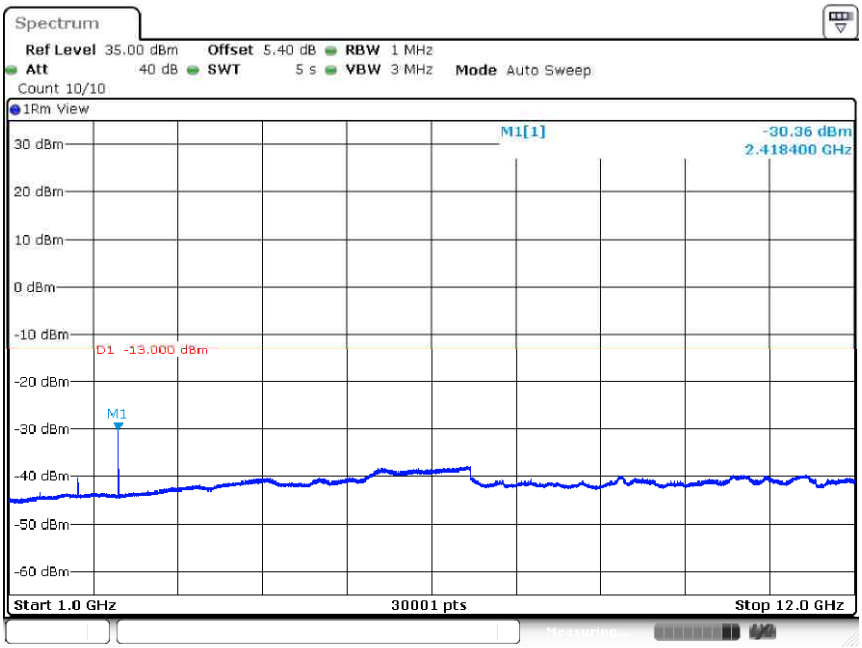
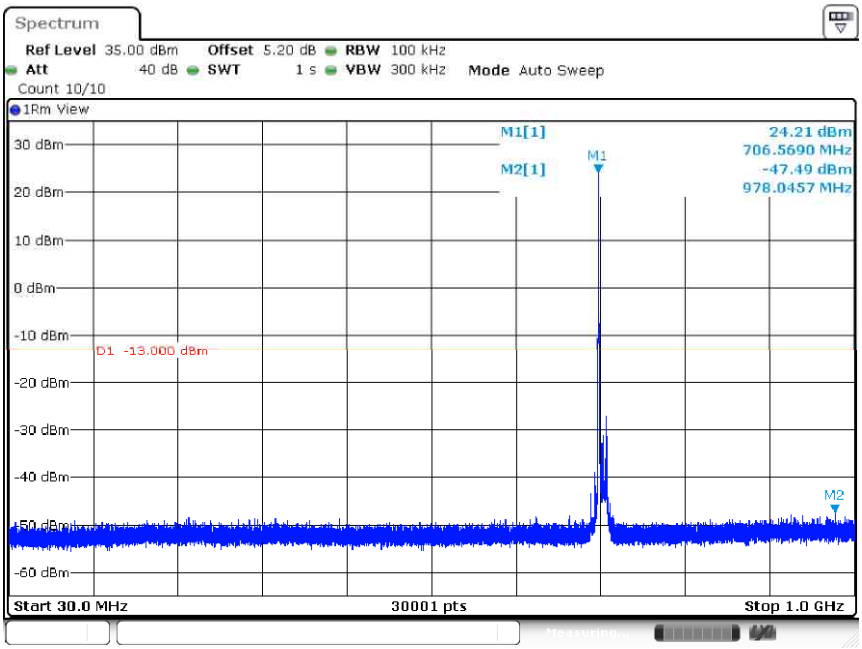
Band12-10MHz-QPSK-23095-1RB#0-Range2:1000~12000MHz



Date: 23.JUN.2020 12:57:05

Band12-10MHz-QPSK-23130-1RB#0-Range1:30~1000MHz



Date: 23.JUN.2020 12:58:52

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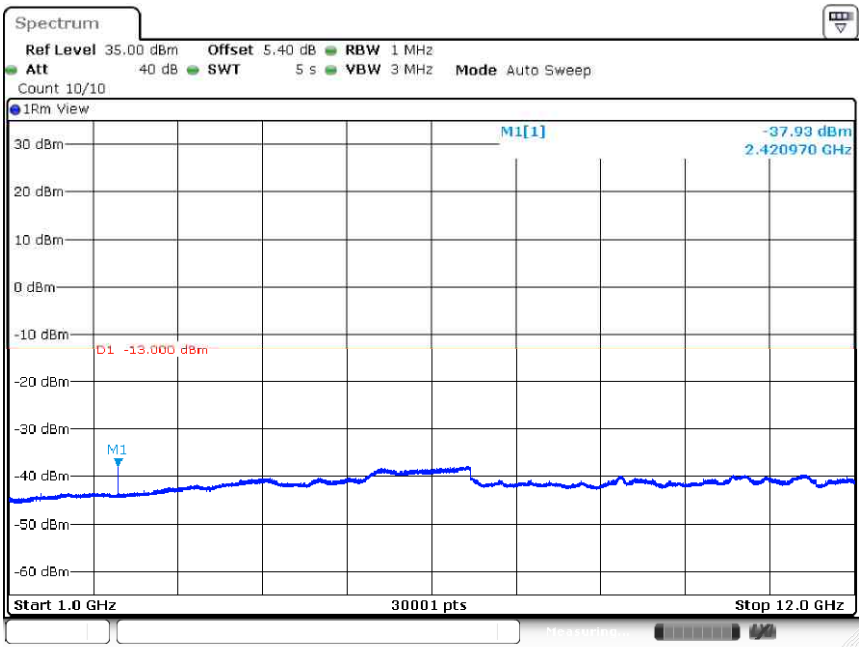
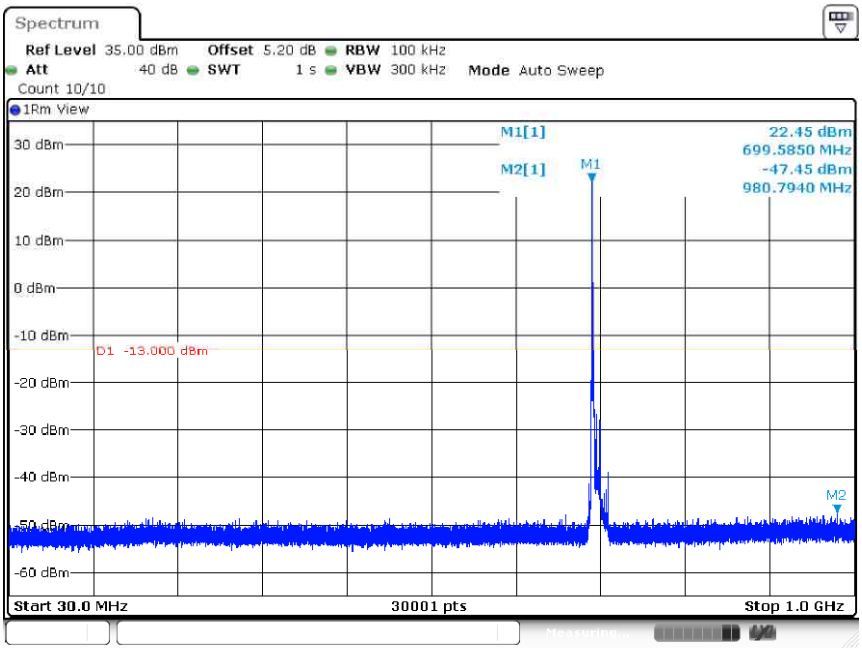
Band12-10MHz-QPSK-23130-1RB#0-Range2:1000~12000MHz



Date: 23.JUN.2020 12:59:59

Band12-10MHz-64QAM-23060-1RB#0-Range1:30~1000MHz



Date: 24.JUN.2020 09:35:13

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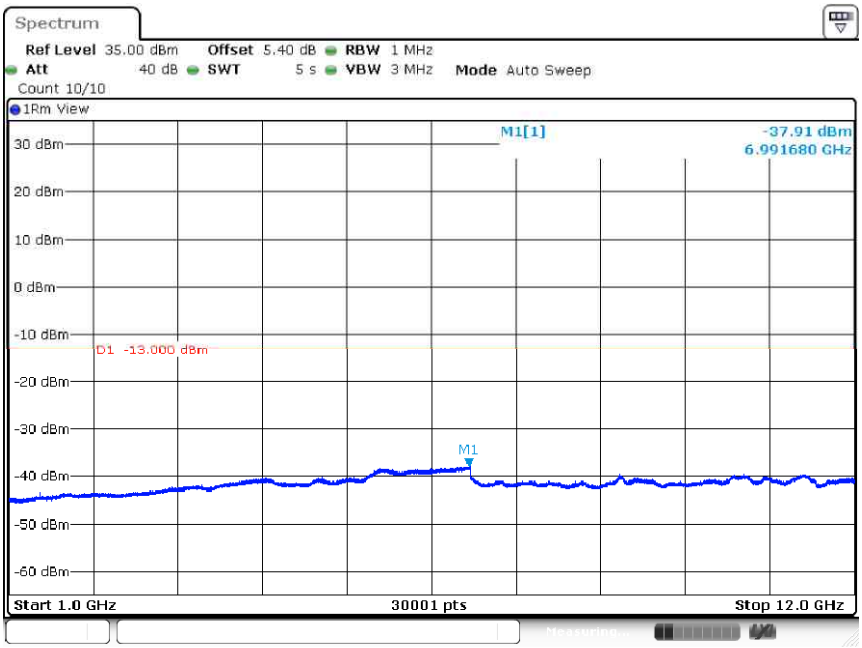
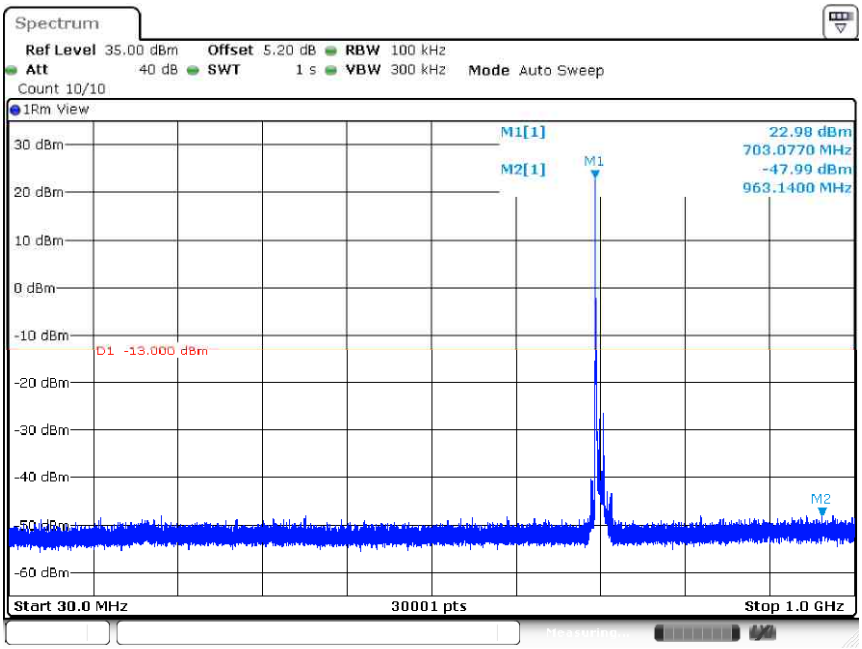
Band12-10MHz-64QAM-23060-1RB#0-Range2:1000~12000MHz



Date: 24.JUN.2020 09:36:21

Band12-10MHz-64QAM-23095-1RB#0-Range1:30~1000MHz



Date: 24.JUN.2020 09:36:41

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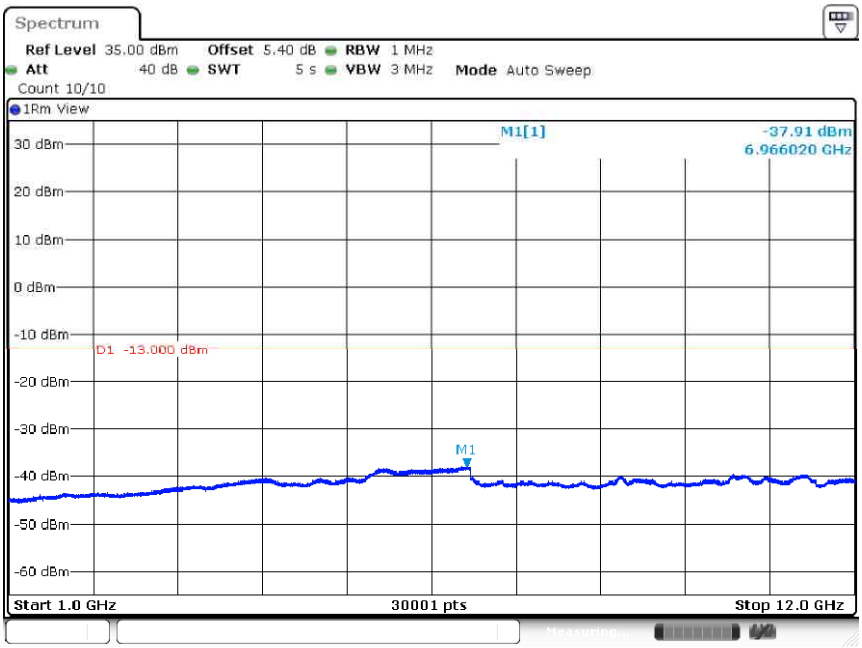
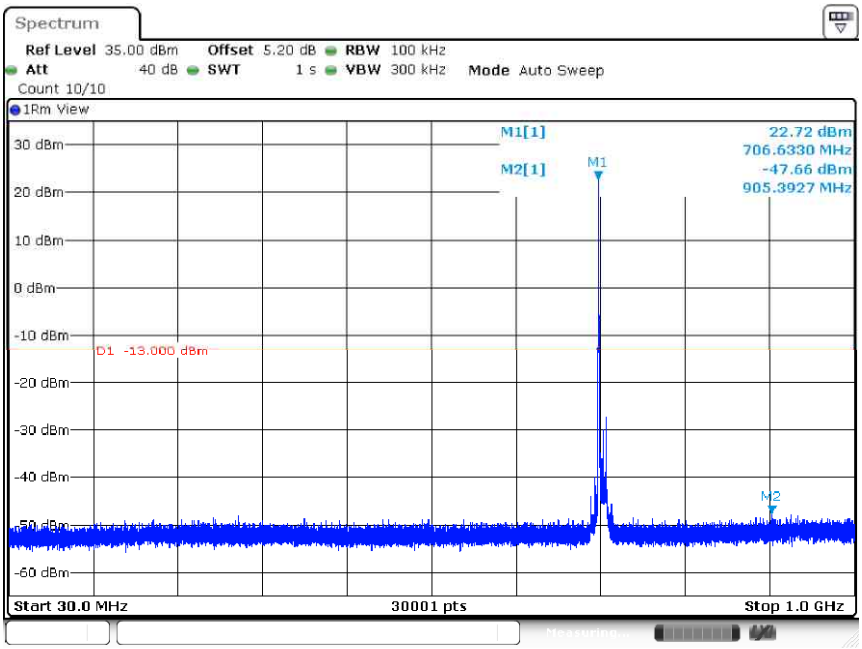
Band12-10MHz-64QAM-23095-1RB#0-Range2:1000~12000MHz



Date: 24.JUN.2020 09:37:48

Band12-10MHz-64QAM-23130-1RB#0-Range1:30~1000MHz



Date: 24.JUN.2020 09:38:08

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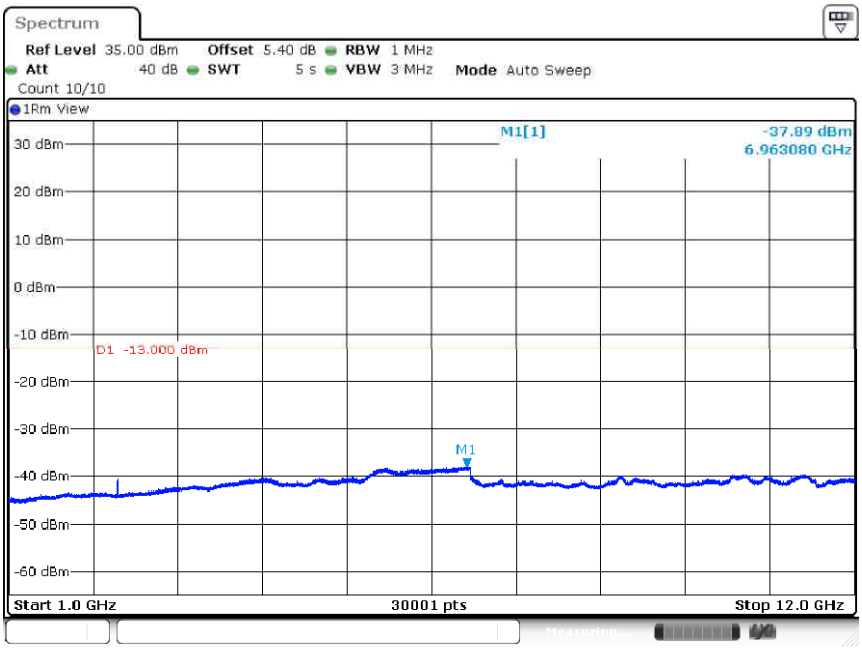
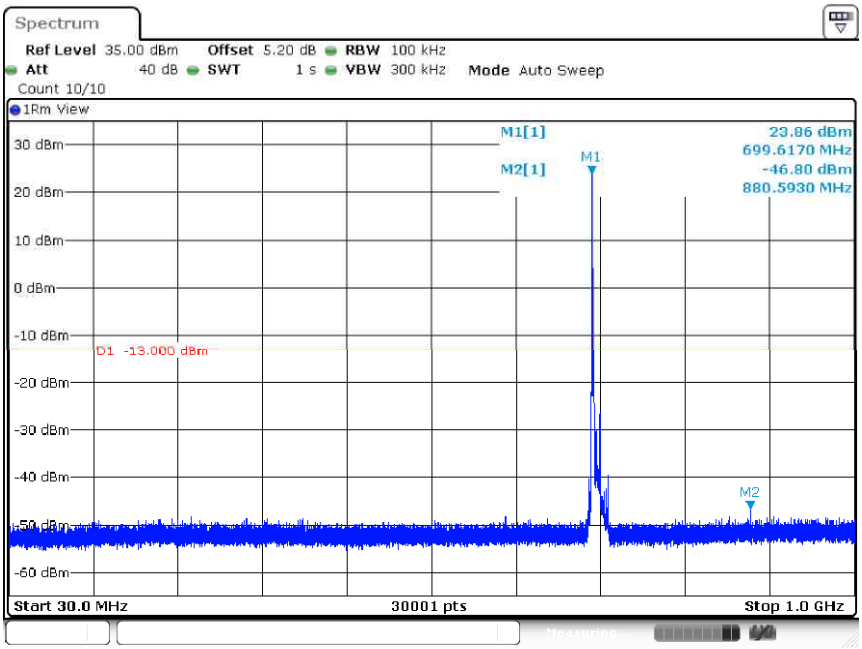
Band12-10MHz-64QAM-23130-1RB#0-Range2:1000~12000MHz



Date: 24.JUN.2020 09:39:15

Band12-10MHz-16QAM-23060-1RB#0-Range1:30~1000MHz



Date: 23.JUN.2020 12:54:31

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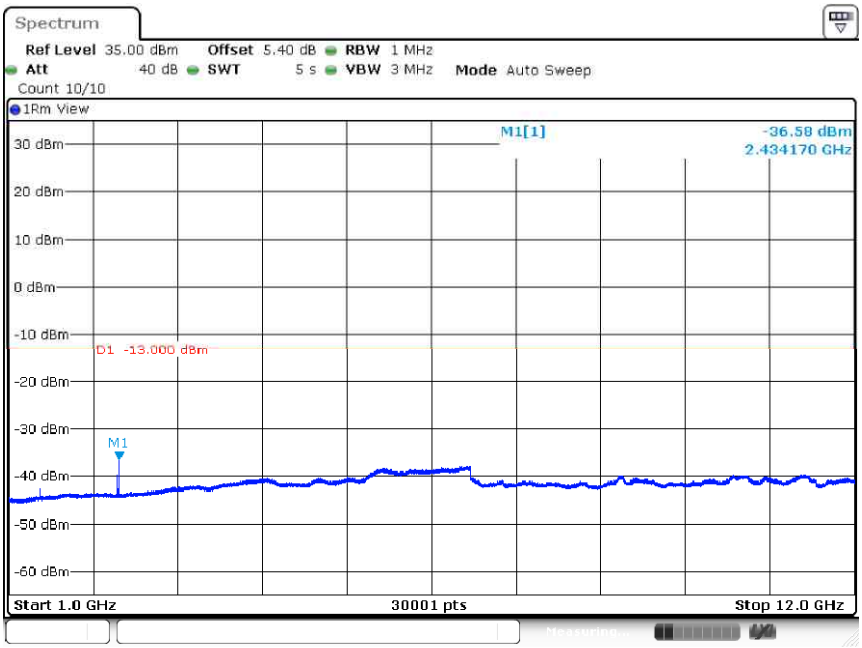
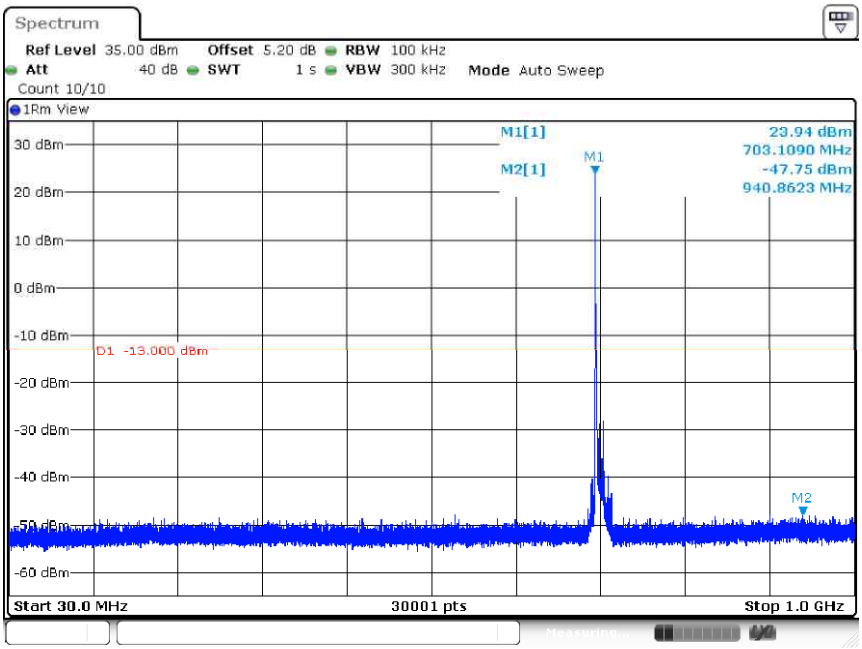
Band12-10MHz-16QAM-23060-1RB#0-Range2:1000~12000MHz



Date: 23.JUN.2020 12:55:38

Band12-10MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



Date: 23.JUN.2020 12:57:25

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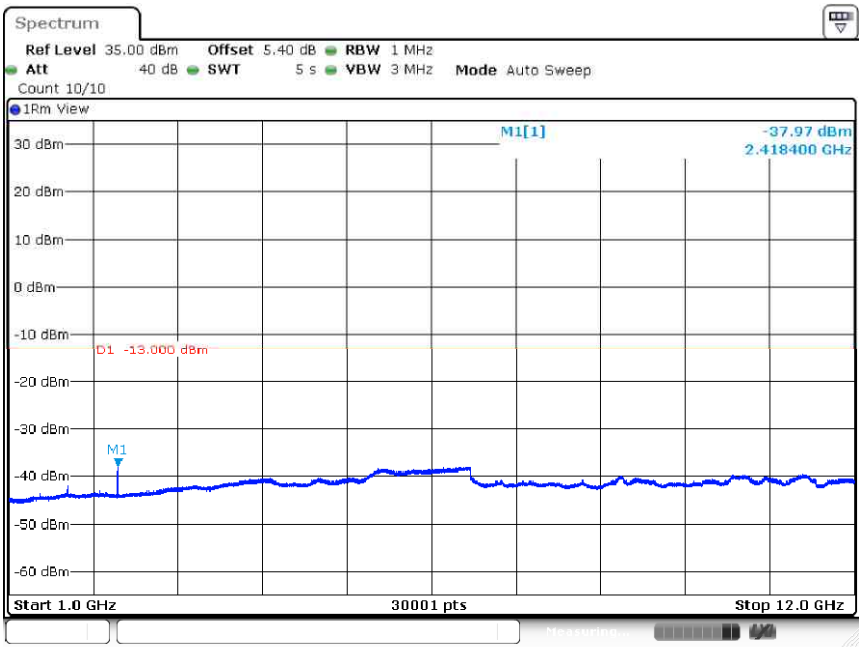
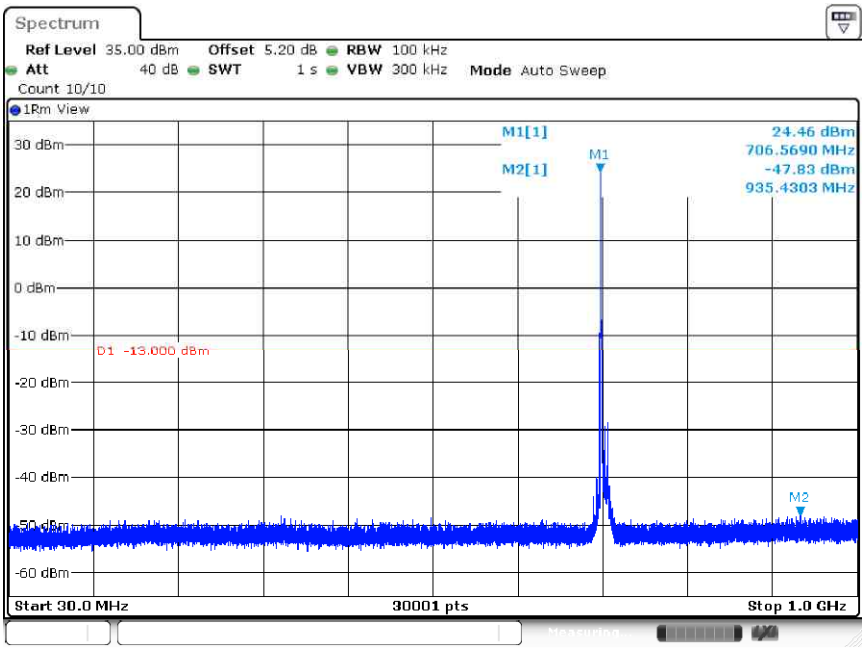
Band12-10MHz-16QAM-23095-1RB#0-Range2:1000~12000MHz



Date: 23.JUN.2020 12:58:32

Band12-10MHz-16QAM-23130-1RB#0-Range1:30~1000MHz



Date: 23.JUN.2020 13:00:19

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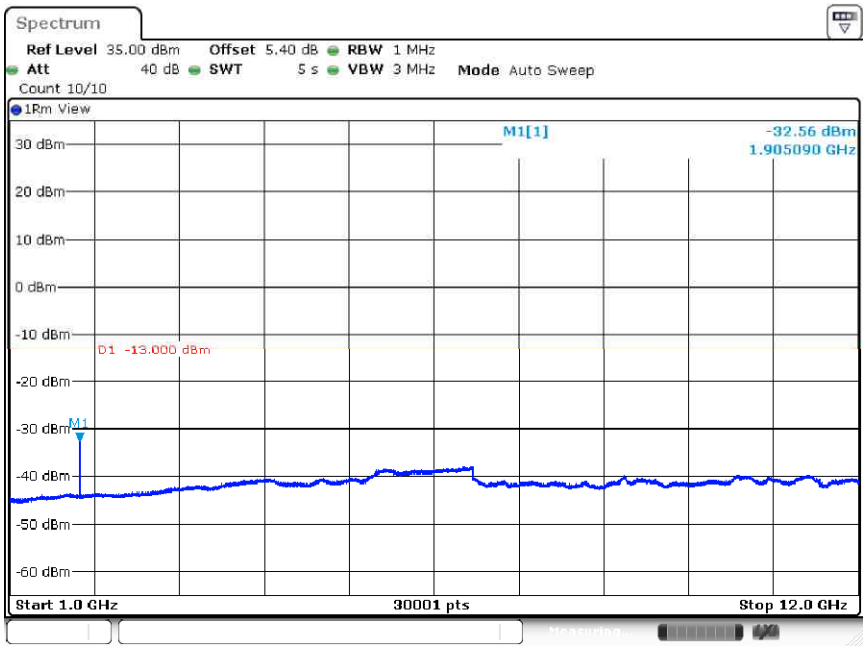
Band12-10MHz-16QAM-23130-1RB#0-Range2:1000~12000MHz



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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
112.5996	-65.52	-13.00	52.52	Vertical
461.4291	-66.93	-13.00	53.93	Vertical
1398.8798	-57.08	-13.00	44.08	Vertical
2099.0198	-56.14	-13.00	43.14	Vertical
14483.8594	-46.88	-13.00	33.88	Vertical
17998.8000	-39.28	-13.00	26.28	Vertical
44.7932	-64.04	-13.00	51.04	Horizontal
434.0252	-67.68	-13.00	54.68	Horizontal
1398.8798	-51.95	-13.00	38.95	Horizontal
2098.6197	-51.30	-13.00	38.30	Horizontal
9326.0530	-52.62	-13.00	39.62	Horizontal
16402.7361	-42.01	-13.00	29.01	Horizontal

7.1.2.Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
112.7936	-65.19	-13.00	52.19	Vertical
522.9301	-66.22	-13.00	53.22	Vertical
1406.0812	-54.81	-13.00	41.81	Vertical
2109.4219	-54.71	-13.00	41.71	Vertical
14707.6683	-46.94	-13.00	33.94	Vertical
17997.5999	-38.92	-13.00	25.92	Vertical
38.7304	-64.46	-13.00	51.46	Horizontal
444.5017	-67.37	-13.00	54.37	Horizontal
1406.0812	-50.00	-13.00	37.00	Horizontal
2109.4219	-50.84	-13.00	37.84	Horizontal
9329.0532	-52.59	-13.00	39.59	Horizontal
16398.5359	-42.22	-13.00	29.22	Horizontal

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7.1.3.Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
110.3685	-64.78	-13.00	51.78	Vertical
535.7348	-65.41	-13.00	52.41	Vertical
1412.8826	-55.83	-13.00	42.83	Vertical
2119.8240	-54.29	-13.00	41.29	Vertical
14708.8684	-46.61	-13.00	33.61	Vertical
17999.4000	-38.76	-13.00	25.76	Vertical
44.3567	-63.67	-13.00	50.67	Horizontal
234.0497	-68.01	-13.00	55.01	Horizontal
1412.8826	-49.24	-13.00	36.24	Horizontal
2119.8240	-49.03	-13.00	36.03	Horizontal
9350.6540	-52.80	-13.00	39.80	Horizontal
16397.3359	-42.06	-13.00	29.06	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
Band12	10MHz	QPSK	23060	50RB#0	VL	NT	-2.60	-0.003693	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VN	NT	-0.10	-0.000142	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VH	NT	-6.80	-0.009659	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VL	NT	-10.70	-0.015124	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VN	NT	-3.20	-0.004523	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VH	NT	-8.10	-0.011449	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VL	NT	-9.10	-0.012799	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VN	NT	-1.60	-0.002250	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VH	NT	-4.60	-0.006470	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	VL	NT	-3.60	-0.005114	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	VN	NT	-6.60	-0.009375	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	VH	NT	-4.70	-0.006676	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	VL	NT	-0.60	-0.000848	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	VN	NT	-5.70	-0.008057	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	VH	NT	-4.80	-0.006784	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	VL	NT	-9.60	-0.013502	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	VN	NT	-0.60	-0.000844	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	VH	NT	-5.10	-0.007173	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VL	NT	-7.60	-0.010795	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VN	NT	-4.80	-0.006818	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VH	NT	-7.10	-0.010085	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VL	NT	-8.60	-0.012155	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VN	NT	-3.00	-0.004240	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VH	NT	-1.00	-0.001413	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VL	NT	-10.30	-0.014487	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VN	NT	0.70	0.000985	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VH	NT	-10.40	-0.014627	±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
Band12	10MHz	QPSK	23060	50RB#0	NV	-30	-5.40	-0.007670	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-20	-6.60	-0.009375	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	0	-4.50	-0.006392	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	10	-4.20	-0.005966	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	20	-9.20	-0.013068	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	30	-11.40	-0.016193	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	40	-4.40	-0.006250	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	50	-5.30	-0.007528	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-30	-2.80	-0.003958	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-20	-9.80	-0.013852	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	0	-9.20	-0.013004	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	10	-4.70	-0.006643	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	20	-6.70	-0.009470	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	30	-3.80	-0.005371	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	40	-5.90	-0.008339	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	50	-7.30	-0.010318	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-30	-10.20	-0.014346	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-20	-0.20	-0.000281	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	0	-5.30	-0.007454	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	10	-9.10	-0.012799	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	20	-6.40	-0.009001	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	30	-13.50	-0.018987	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	40	-9.40	-0.013221	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	50	-2.80	-0.003938	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	-30	-6.50	-0.009233	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	-20	-5.20	-0.007386	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	0	-10.50	-0.014915	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	10	-1.70	-0.002415	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	20	-3.10	-0.004403	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	30	-5.40	-0.007670	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	40	-4.80	-0.006818	±2.5	PASS

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Band12	10MHz	64QAM	23060	50RB#0	NV	50	-6.20	-0.008807	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	-30	-8.00	-0.011307	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	-20	-1.60	-0.002261	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	0	-1.50	-0.002120	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	10	-4.80	-0.006784	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	20	-2.90	-0.004099	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	30	-7.00	-0.009894	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	40	-2.90	-0.004099	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	50	0.40	0.000565	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	-30	-6.80	-0.009564	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	-20	-5.40	-0.007595	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	0	-1.60	-0.002250	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	10	-6.30	-0.008861	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	20	-9.70	-0.013643	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	30	-1.30	-0.001828	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	40	-1.20	-0.001688	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	50	-9.10	-0.012799	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-30	-5.00	-0.007102	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-20	-7.90	-0.011222	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	0	-4.20	-0.005966	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	10	-1.00	-0.001420	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	20	-1.20	-0.001705	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	30	-4.70	-0.006676	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	40	-2.70	-0.003835	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	50	-4.90	-0.006960	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-30	-0.30	-0.000424	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-20	-2.30	-0.003251	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	0	-7.70	-0.010883	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	10	-3.10	-0.004382	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	20	-2.60	-0.003675	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	30	-6.80	-0.009611	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	40	-8.90	-0.012580	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	50	-0.40	-0.000565	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	-30	-5.40	-0.007595	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	-20	-9.20	-0.012940	±2.5	PASS

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Band12	10MHz	16QAM	23130	50RB#0	NV	0	-3.80	-0.005345	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	10	-6.80	-0.009564	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	20	-2.70	-0.003797	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	30	-10.70	-0.015049	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	40	-10.20	-0.014346	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	50	-8.30	-0.011674	±2.5	PASS

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