



# Appendix B

## E-UTRA Band 4



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**CONTENT**

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

1.1. TEST RESULT..... 3

**2. PEAK-TO-AVERAGE RATIO (CCDF).....15**

2.1. TEST RESULT.....15

2.2. TEST PLOTS .....15

**3. MODULATION CHARACTERISTICS .....20**

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

3.1.1. TEST CHANNEL = MCH .....20

3.2. TEST MODE = LTE /TM2 20MHZ .....21

3.2.1. TEST CHANNEL = MCH .....21

3.3. TEST MODE = LTE /TM3 20MHZ .....22

3.3.1. TEST CHANNEL = MCH .....22

**4. 26DB BANDWIDTH AND OCCUPIED BANDWIDTH .....23**

4.1. TEST RESULT.....23

4.2. TEST PLOTS .....25

**5. BAND EDGE COMPLIANCE .....52**

5.1. TEST RESULT.....52

5.2. TEST PLOTS .....54

**6. SPURIOUS EMISSION AT ANTENNA TERMINAL .....91**

6.1. TEST PLOTS .....91

**7. FIELD STRENGTH OF SPURIOUS RADIATION.....101**

7.1. TEST MODE =LTE/TM1 20MHZ.....101

7.1.1. TEST CHANNEL = LCH .....101

7.1.2. TEST CHANNEL = MCH .....101

7.1.3. TEST CHANNEL = HCH .....102

**8. FREQUENCY STABILITY.....103**

8.1. FREQUENCY VS VOLTAGE.....103

8.2. FREQUENCY VS TEMPERATURE .....104



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# 1 Effective (Isotropic) Radiated Power

## 1.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	22.84	20.57	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	22.78	20.75	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	22.78	20.81	30	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	23.11	20.94	30	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	22.82	20.75	30	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	22.91	20.80	30	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	21.72	19.83	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	22.74	20.67	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	22.82	20.76	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	22.86	20.91	30	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	23.00	20.73	30	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	22.93	20.70	30	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	22.99	20.75	30	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	21.79	19.74	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	23.02	20.59	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	22.83	20.57	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	22.90	20.58	30	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	22.88	20.72	30	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	22.93	20.58	30	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	22.83	20.64	30	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	21.80	19.58	30	PASS
Band4	1.4MHz	64QAM	19957	1RB#0	21.12	18.92	30	PASS
Band4	1.4MHz	64QAM	19957	1RB#2	21.15	18.88	30	PASS
Band4	1.4MHz	64QAM	19957	1RB#5	21.19	19.32	30	PASS
Band4	1.4MHz	64QAM	19957	3RB#0	20.77	19.31	30	PASS
Band4	1.4MHz	64QAM	19957	3RB#1	20.91	18.64	30	PASS
Band4	1.4MHz	64QAM	19957	3RB#3	21.19	18.95	30	PASS



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Band4	1.4MHz	64QAM	19957	6RB#0	19.68	17.69	30	PASS
Band4	1.4MHz	64QAM	20175	1RB#0	21.30	18.72	30	PASS
Band4	1.4MHz	64QAM	20175	1RB#2	21.37	18.80	30	PASS
Band4	1.4MHz	64QAM	20175	1RB#5	21.20	18.97	30	PASS
Band4	1.4MHz	64QAM	20175	3RB#0	20.87	18.91	30	PASS
Band4	1.4MHz	64QAM	20175	3RB#1	20.97	18.79	30	PASS
Band4	1.4MHz	64QAM	20175	3RB#3	21.18	18.53	30	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	19.79	17.55	30	PASS
Band4	1.4MHz	64QAM	20393	1RB#0	21.32	18.60	30	PASS
Band4	1.4MHz	64QAM	20393	1RB#2	21.21	18.59	30	PASS
Band4	1.4MHz	64QAM	20393	1RB#5	21.45	19.06	30	PASS
Band4	1.4MHz	64QAM	20393	3RB#0	20.67	19.09	30	PASS
Band4	1.4MHz	64QAM	20393	3RB#1	20.90	18.65	30	PASS
Band4	1.4MHz	64QAM	20393	3RB#3	21.19	18.85	30	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	19.67	17.52	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	22.20	20.10	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	22.16	20.07	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	22.21	20.04	30	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	21.98	19.87	30	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	21.77	19.89	30	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	21.86	20.07	30	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	20.85	18.86	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	22.29	20.28	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	22.26	20.18	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	22.27	19.89	30	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	21.86	19.76	30	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	21.97	19.84	30	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	21.99	19.82	30	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	21.01	18.76	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	22.30	20.10	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	22.07	20.03	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	22.20	19.93	30	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	21.84	19.64	30	PASS



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Band4	1.4MHz	16QAM	20393	3RB#1	21.82	19.92	30	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	21.91	19.84	30	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	20.98	18.63	30	PASS
Band4	3MHz	QPSK	19965	1RB#0	22.85	20.82	30	PASS
Band4	3MHz	QPSK	19965	1RB#8	22.59	20.60	30	PASS
Band4	3MHz	QPSK	19965	1RB#14	22.82	20.64	30	PASS
Band4	3MHz	QPSK	19965	8RB#0	21.95	19.79	30	PASS
Band4	3MHz	QPSK	19965	8RB#4	21.87	19.87	30	PASS
Band4	3MHz	QPSK	19965	8RB#7	21.84	19.84	30	PASS
Band4	3MHz	QPSK	19965	15RB#0	21.80	19.79	30	PASS
Band4	3MHz	QPSK	20175	1RB#0	22.74	20.78	30	PASS
Band4	3MHz	QPSK	20175	1RB#8	22.62	20.46	30	PASS
Band4	3MHz	QPSK	20175	1RB#14	22.76	20.72	30	PASS
Band4	3MHz	QPSK	20175	8RB#0	21.93	19.75	30	PASS
Band4	3MHz	QPSK	20175	8RB#4	21.91	19.71	30	PASS
Band4	3MHz	QPSK	20175	8RB#7	21.90	19.72	30	PASS
Band4	3MHz	QPSK	20175	15RB#0	21.85	19.77	30	PASS
Band4	3MHz	QPSK	20385	1RB#0	22.69	20.79	30	PASS
Band4	3MHz	QPSK	20385	1RB#8	22.59	20.15	30	PASS
Band4	3MHz	QPSK	20385	1RB#14	22.85	20.52	30	PASS
Band4	3MHz	QPSK	20385	8RB#0	21.85	19.53	30	PASS
Band4	3MHz	QPSK	20385	8RB#4	21.94	19.59	30	PASS
Band4	3MHz	QPSK	20385	8RB#7	21.88	19.61	30	PASS
Band4	3MHz	QPSK	20385	15RB#0	21.90	19.63	30	PASS
Band4	3MHz	64QAM	19965	1RB#0	20.98	18.64	30	PASS
Band4	3MHz	64QAM	19965	1RB#8	20.86	18.95	30	PASS
Band4	3MHz	64QAM	19965	1RB#14	21.26	18.45	30	PASS
Band4	3MHz	64QAM	19965	8RB#0	20.78	17.87	30	PASS
Band4	3MHz	64QAM	19965	8RB#4	20.57	17.78	30	PASS
Band4	3MHz	64QAM	19965	8RB#7	20.66	17.56	30	PASS
Band4	3MHz	64QAM	19965	15RB#0	20.85	17.70	30	PASS
Band4	3MHz	64QAM	20175	1RB#0	21.12	18.79	30	PASS
Band4	3MHz	64QAM	20175	1RB#8	20.80	18.53	30	PASS



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Band4	3MHz	64QAM	20175	1RB#14	21.07	18.30	30	PASS
Band4	3MHz	64QAM	20175	8RB#0	20.66	17.69	30	PASS
Band4	3MHz	64QAM	20175	8RB#4	20.77	17.65	30	PASS
Band4	3MHz	64QAM	20175	8RB#7	20.79	17.51	30	PASS
Band4	3MHz	64QAM	20175	15RB#0	21.04	17.55	30	PASS
Band4	3MHz	64QAM	20385	1RB#0	20.98	18.65	30	PASS
Band4	3MHz	64QAM	20385	1RB#8	20.50	18.85	30	PASS
Band4	3MHz	64QAM	20385	1RB#14	21.07	18.26	30	PASS
Band4	3MHz	64QAM	20385	8RB#0	20.64	17.51	30	PASS
Band4	3MHz	64QAM	20385	8RB#4	20.62	17.49	30	PASS
Band4	3MHz	64QAM	20385	8RB#7	20.71	17.27	30	PASS
Band4	3MHz	64QAM	20385	15RB#0	20.85	17.42	30	PASS
Band4	3MHz	16QAM	19965	1RB#0	22.02	20.04	30	PASS
Band4	3MHz	16QAM	19965	1RB#8	22.07	20.22	30	PASS
Band4	3MHz	16QAM	19965	1RB#14	22.14	20.18	30	PASS
Band4	3MHz	16QAM	19965	8RB#0	20.85	18.99	30	PASS
Band4	3MHz	16QAM	19965	8RB#4	21.03	18.84	30	PASS
Band4	3MHz	16QAM	19965	8RB#7	20.79	18.72	30	PASS
Band4	3MHz	16QAM	19965	15RB#0	20.92	18.89	30	PASS
Band4	3MHz	16QAM	20175	1RB#0	22.30	19.96	30	PASS
Band4	3MHz	16QAM	20175	1RB#8	22.17	20.02	30	PASS
Band4	3MHz	16QAM	20175	1RB#14	22.22	20.10	30	PASS
Band4	3MHz	16QAM	20175	8RB#0	21.04	18.89	30	PASS
Band4	3MHz	16QAM	20175	8RB#4	21.05	18.72	30	PASS
Band4	3MHz	16QAM	20175	8RB#7	21.05	18.85	30	PASS
Band4	3MHz	16QAM	20175	15RB#0	20.93	18.75	30	PASS
Band4	3MHz	16QAM	20385	1RB#0	22.13	19.82	30	PASS
Band4	3MHz	16QAM	20385	1RB#8	21.97	19.90	30	PASS
Band4	3MHz	16QAM	20385	1RB#14	22.37	19.89	30	PASS
Band4	3MHz	16QAM	20385	8RB#0	20.85	18.71	30	PASS
Band4	3MHz	16QAM	20385	8RB#4	20.76	18.49	30	PASS
Band4	3MHz	16QAM	20385	8RB#7	20.81	18.65	30	PASS
Band4	3MHz	16QAM	20385	15RB#0	20.88	18.72	30	PASS



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Band4	5MHz	QPSK	19975	1RB#12	22.86	20.80	30	PASS
Band4	5MHz	QPSK	19975	1RB#24	22.77	20.84	30	PASS
Band4	5MHz	QPSK	19975	12RB#0	21.81	19.85	30	PASS
Band4	5MHz	QPSK	19975	12RB#6	21.88	19.83	30	PASS
Band4	5MHz	QPSK	19975	12RB#13	21.78	19.88	30	PASS
Band4	5MHz	QPSK	19975	25RB#0	21.86	19.93	30	PASS
Band4	5MHz	QPSK	20175	1RB#0	22.69	20.66	30	PASS
Band4	5MHz	QPSK	20175	1RB#12	22.94	20.74	30	PASS
Band4	5MHz	QPSK	20175	1RB#24	22.92	20.66	30	PASS
Band4	5MHz	QPSK	20175	12RB#0	21.92	19.77	30	PASS
Band4	5MHz	QPSK	20175	12RB#6	21.86	19.73	30	PASS
Band4	5MHz	QPSK	20175	12RB#13	21.89	19.74	30	PASS
Band4	5MHz	QPSK	20175	25RB#0	21.98	19.73	30	PASS
Band4	5MHz	QPSK	20375	1RB#0	22.79	20.61	30	PASS
Band4	5MHz	QPSK	20375	1RB#12	22.76	20.46	30	PASS
Band4	5MHz	QPSK	20375	1RB#24	22.85	20.60	30	PASS
Band4	5MHz	QPSK	20375	12RB#0	21.83	19.63	30	PASS
Band4	5MHz	QPSK	20375	12RB#6	21.85	19.66	30	PASS
Band4	5MHz	QPSK	20375	12RB#13	21.85	19.65	30	PASS
Band4	5MHz	QPSK	20375	25RB#0	21.86	19.64	30	PASS
Band4	5MHz	64QAM	19975	1RB#0	21.01	18.74	30	PASS
Band4	5MHz	64QAM	19975	1RB#12	20.76	18.92	30	PASS
Band4	5MHz	64QAM	19975	1RB#24	21.03	18.88	30	PASS
Band4	5MHz	64QAM	19975	12RB#0	19.64	17.79	30	PASS
Band4	5MHz	64QAM	19975	12RB#6	19.72	17.64	30	PASS
Band4	5MHz	64QAM	19975	12RB#13	19.57	17.52	30	PASS
Band4	5MHz	64QAM	19975	25RB#0	19.70	17.69	30	PASS
Band4	5MHz	64QAM	20175	1RB#0	21.12	18.66	30	PASS
Band4	5MHz	64QAM	20175	1RB#12	20.86	18.72	30	PASS
Band4	5MHz	64QAM	20175	1RB#24	21.05	18.80	30	PASS
Band4	5MHz	64QAM	20175	12RB#0	19.80	17.69	30	PASS
Band4	5MHz	64QAM	20175	12RB#6	19.70	17.52	30	PASS



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Band4	5MHz	64QAM	20175	12RB#13	19.81	17.65	30	PASS
Band4	5MHz	64QAM	20175	25RB#0	19.69	17.55	30	PASS
Band4	5MHz	64QAM	20375	1RB#0	21.01	18.52	30	PASS
Band4	5MHz	64QAM	20375	1RB#12	20.79	18.60	30	PASS
Band4	5MHz	64QAM	20375	1RB#24	20.97	18.59	30	PASS
Band4	5MHz	64QAM	20375	12RB#0	19.66	17.51	30	PASS
Band4	5MHz	64QAM	20375	12RB#6	19.61	17.29	30	PASS
Band4	5MHz	64QAM	20375	12RB#13	19.69	17.45	30	PASS
Band4	5MHz	64QAM	20375	25RB#0	19.70	17.52	30	PASS
Band4	5MHz	16QAM	19975	1RB#0	22.49	20.38	30	PASS
Band4	5MHz	16QAM	19975	1RB#12	22.56	20.62	30	PASS
Band4	5MHz	16QAM	19975	1RB#24	22.46	20.61	30	PASS
Band4	5MHz	16QAM	19975	12RB#0	20.83	18.86	30	PASS
Band4	5MHz	16QAM	19975	12RB#6	20.80	18.84	30	PASS
Band4	5MHz	16QAM	19975	12RB#13	20.83	18.79	30	PASS
Band4	5MHz	16QAM	19975	25RB#0	20.88	18.93	30	PASS
Band4	5MHz	16QAM	20175	1RB#0	22.48	20.30	30	PASS
Band4	5MHz	16QAM	20175	1RB#12	22.65	20.27	30	PASS
Band4	5MHz	16QAM	20175	1RB#24	22.22	20.21	30	PASS
Band4	5MHz	16QAM	20175	12RB#0	21.05	18.69	30	PASS
Band4	5MHz	16QAM	20175	12RB#6	20.99	18.68	30	PASS
Band4	5MHz	16QAM	20175	12RB#13	20.84	18.68	30	PASS
Band4	5MHz	16QAM	20175	25RB#0	20.99	18.85	30	PASS
Band4	5MHz	16QAM	20375	1RB#0	22.49	20.11	30	PASS
Band4	5MHz	16QAM	20375	1RB#12	22.53	20.36	30	PASS
Band4	5MHz	16QAM	20375	1RB#24	22.38	20.39	30	PASS
Band4	5MHz	16QAM	20375	12RB#0	20.97	18.67	30	PASS
Band4	5MHz	16QAM	20375	12RB#6	20.91	18.60	30	PASS
Band4	5MHz	16QAM	20375	12RB#13	20.80	18.61	30	PASS
Band4	5MHz	16QAM	20375	25RB#0	20.87	18.54	30	PASS
Band4	10MHz	QPSK	20000	1RB#0	22.69	20.73	30	PASS
Band4	10MHz	QPSK	20000	1RB#24	22.88	20.87	30	PASS
Band4	10MHz	QPSK	20000	1RB#49	23.15	20.88	30	PASS



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Band4	10MHz	QPSK	20000	25RB#0	21.84	19.85	30	PASS
Band4	10MHz	QPSK	20000	25RB#12	21.87	19.85	30	PASS
Band4	10MHz	QPSK	20000	25RB#25	21.92	19.95	30	PASS
Band4	10MHz	QPSK	20000	50RB#0	22.00	19.91	30	PASS
Band4	10MHz	QPSK	20175	1RB#0	22.84	20.71	30	PASS
Band4	10MHz	QPSK	20175	1RB#24	22.85	20.85	30	PASS
Band4	10MHz	QPSK	20175	1RB#49	23.08	20.80	30	PASS
Band4	10MHz	QPSK	20175	25RB#0	21.92	19.80	30	PASS
Band4	10MHz	QPSK	20175	25RB#12	21.98	19.80	30	PASS
Band4	10MHz	QPSK	20175	25RB#25	22.03	19.76	30	PASS
Band4	10MHz	QPSK	20175	50RB#0	22.06	19.77	30	PASS
Band4	10MHz	QPSK	20350	1RB#0	22.79	20.76	30	PASS
Band4	10MHz	QPSK	20350	1RB#24	22.69	20.55	30	PASS
Band4	10MHz	QPSK	20350	1RB#49	23.10	20.72	30	PASS
Band4	10MHz	QPSK	20350	25RB#0	21.90	19.58	30	PASS
Band4	10MHz	QPSK	20350	25RB#12	21.95	19.57	30	PASS
Band4	10MHz	QPSK	20350	25RB#25	21.93	19.66	30	PASS
Band4	10MHz	QPSK	20350	50RB#0	21.95	19.52	30	PASS
Band4	10MHz	64QAM	20000	1RB#0	21.19	19.08	30	PASS
Band4	10MHz	64QAM	20000	1RB#24	21.26	19.32	30	PASS
Band4	10MHz	64QAM	20000	1RB#49	21.16	19.31	30	PASS
Band4	10MHz	64QAM	20000	25RB#0	19.80	17.66	30	PASS
Band4	10MHz	64QAM	20000	25RB#12	19.64	17.64	30	PASS
Band4	10MHz	64QAM	20000	25RB#25	19.77	17.59	30	PASS
Band4	10MHz	64QAM	20000	50RB#0	19.87	17.73	30	PASS
Band4	10MHz	64QAM	20175	1RB#0	21.18	19.00	30	PASS
Band4	10MHz	64QAM	20175	1RB#24	21.35	18.97	30	PASS
Band4	10MHz	64QAM	20175	1RB#49	20.92	18.91	30	PASS
Band4	10MHz	64QAM	20175	25RB#0	19.97	17.49	30	PASS
Band4	10MHz	64QAM	20175	25RB#12	19.88	17.48	30	PASS
Band4	10MHz	64QAM	20175	25RB#25	19.87	17.48	30	PASS
Band4	10MHz	64QAM	20175	50RB#0	20.00	17.65	30	PASS
Band4	10MHz	64QAM	20350	1RB#0	21.19	18.81	30	PASS



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Band4	10MHz	64QAM	20350	1RB#24	21.23	19.06	30	PASS
Band4	10MHz	64QAM	20350	1RB#49	21.08	19.09	30	PASS
Band4	10MHz	64QAM	20350	25RB#0	19.87	17.47	30	PASS
Band4	10MHz	64QAM	20350	25RB#12	19.80	17.40	30	PASS
Band4	10MHz	64QAM	20350	25RB#25	19.70	17.41	30	PASS
Band4	10MHz	64QAM	20350	50RB#0	19.73	17.34	30	PASS
Band4	10MHz	16QAM	20000	1RB#0	22.42	19.91	30	PASS
Band4	10MHz	16QAM	20000	1RB#24	22.45	20.53	30	PASS
Band4	10MHz	16QAM	20000	1RB#49	22.49	20.51	30	PASS
Band4	10MHz	16QAM	20000	25RB#0	21.11	18.99	30	PASS
Band4	10MHz	16QAM	20000	25RB#12	20.99	18.89	30	PASS
Band4	10MHz	16QAM	20000	25RB#25	20.96	18.99	30	PASS
Band4	10MHz	16QAM	20000	50RB#0	21.10	18.86	30	PASS
Band4	10MHz	16QAM	20175	1RB#0	22.60	20.09	30	PASS
Band4	10MHz	16QAM	20175	1RB#24	22.67	20.26	30	PASS
Band4	10MHz	16QAM	20175	1RB#49	22.50	20.33	30	PASS
Band4	10MHz	16QAM	20175	25RB#0	21.12	18.77	30	PASS
Band4	10MHz	16QAM	20175	25RB#12	20.99	18.68	30	PASS
Band4	10MHz	16QAM	20175	25RB#25	21.09	18.78	30	PASS
Band4	10MHz	16QAM	20175	50RB#0	21.07	18.86	30	PASS
Band4	10MHz	16QAM	20350	1RB#0	22.62	20.39	30	PASS
Band4	10MHz	16QAM	20350	1RB#24	22.51	20.00	30	PASS
Band4	10MHz	16QAM	20350	1RB#49	22.75	20.12	30	PASS
Band4	10MHz	16QAM	20350	25RB#0	21.01	18.76	30	PASS
Band4	10MHz	16QAM	20350	25RB#12	20.98	18.66	30	PASS
Band4	10MHz	16QAM	20350	25RB#25	21.04	18.76	30	PASS
Band4	10MHz	16QAM	20350	50RB#0	20.99	18.62	30	PASS
Band4	15MHz	QPSK	20025	1RB#0	23.05	20.64	30	PASS
Band4	15MHz	QPSK	20025	1RB#38	22.93	20.82	30	PASS
Band4	15MHz	QPSK	20025	1RB#74	23.27	21.09	30	PASS
Band4	15MHz	QPSK	20025	36RB#0	21.85	19.92	30	PASS
Band4	15MHz	QPSK	20025	36RB#18	21.85	19.91	30	PASS
Band4	15MHz	QPSK	20025	36RB#39	21.84	19.73	30	PASS



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Band4	15MHz	QPSK	20025	75RB#0	21.93	19.81	30	PASS
Band4	15MHz	QPSK	20175	1RB#0	23.03	20.57	30	PASS
Band4	15MHz	QPSK	20175	1RB#38	23.01	20.50	30	PASS
Band4	15MHz	QPSK	20175	1RB#74	23.24	20.84	30	PASS
Band4	15MHz	QPSK	20175	36RB#0	21.90	19.85	30	PASS
Band4	15MHz	QPSK	20175	36RB#18	21.88	19.78	30	PASS
Band4	15MHz	QPSK	20175	36RB#39	21.95	19.81	30	PASS
Band4	15MHz	QPSK	20175	75RB#0	22.02	19.79	30	PASS
Band4	15MHz	QPSK	20325	1RB#0	23.15	20.68	30	PASS
Band4	15MHz	QPSK	20325	1RB#38	22.74	20.47	30	PASS
Band4	15MHz	QPSK	20325	1RB#74	23.23	20.68	30	PASS
Band4	15MHz	QPSK	20325	36RB#0	21.86	19.57	30	PASS
Band4	15MHz	QPSK	20325	36RB#18	21.79	19.51	30	PASS
Band4	15MHz	QPSK	20325	36RB#39	21.96	19.47	30	PASS
Band4	15MHz	QPSK	20325	75RB#0	21.76	19.47	30	PASS
Band4	15MHz	64QAM	20025	1RB#0	20.72	18.66	30	PASS
Band4	15MHz	64QAM	20025	1RB#38	20.77	18.80	30	PASS
Band4	15MHz	64QAM	20025	1RB#74	20.84	18.62	30	PASS
Band4	15MHz	64QAM	20025	36RB#0	19.96	17.66	30	PASS
Band4	15MHz	64QAM	20025	36RB#18	19.94	17.42	30	PASS
Band4	15MHz	64QAM	20025	36RB#39	19.82	17.46	30	PASS
Band4	15MHz	64QAM	20025	75RB#0	19.99	17.49	30	PASS
Band4	15MHz	64QAM	20175	1RB#0	21.00	18.79	30	PASS
Band4	15MHz	64QAM	20175	1RB#38	20.87	18.77	30	PASS
Band4	15MHz	64QAM	20175	1RB#74	20.92	18.60	30	PASS
Band4	15MHz	64QAM	20175	36RB#0	19.79	17.49	30	PASS
Band4	15MHz	64QAM	20175	36RB#18	19.78	17.40	30	PASS
Band4	15MHz	64QAM	20175	36RB#39	19.95	17.59	30	PASS
Band4	15MHz	64QAM	20175	75RB#0	19.85	17.49	30	PASS
Band4	15MHz	64QAM	20325	1RB#0	20.83	18.74	30	PASS
Band4	15MHz	64QAM	20325	1RB#38	20.67	18.69	30	PASS
Band4	15MHz	64QAM	20325	1RB#74	21.07	18.51	30	PASS
Band4	15MHz	64QAM	20325	36RB#0	19.77	17.47	30	PASS



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Band4	15MHz	64QAM	20325	36RB#18	19.70	17.31	30	PASS
Band4	15MHz	64QAM	20325	36RB#39	19.75	17.54	30	PASS
Band4	15MHz	64QAM	20325	75RB#0	19.82	17.48	30	PASS
Band4	15MHz	16QAM	20025	1RB#0	22.28	20.52	30	PASS
Band4	15MHz	16QAM	20025	1RB#38	22.16	20.20	30	PASS
Band4	15MHz	16QAM	20025	1RB#74	22.56	20.36	30	PASS
Band4	15MHz	16QAM	20025	36RB#0	20.84	18.85	30	PASS
Band4	15MHz	16QAM	20025	36RB#18	20.92	18.95	30	PASS
Band4	15MHz	16QAM	20025	36RB#39	20.77	18.88	30	PASS
Band4	15MHz	16QAM	20025	75RB#0	20.90	18.79	30	PASS
Band4	15MHz	16QAM	20175	1RB#0	22.42	20.11	30	PASS
Band4	15MHz	16QAM	20175	1RB#38	22.10	19.87	30	PASS
Band4	15MHz	16QAM	20175	1RB#74	22.37	19.92	30	PASS
Band4	15MHz	16QAM	20175	36RB#0	21.00	18.79	30	PASS
Band4	15MHz	16QAM	20175	36RB#18	20.90	18.74	30	PASS
Band4	15MHz	16QAM	20175	36RB#39	21.01	18.57	30	PASS
Band4	15MHz	16QAM	20175	75RB#0	20.89	18.80	30	PASS
Band4	15MHz	16QAM	20325	1RB#0	22.28	20.10	30	PASS
Band4	15MHz	16QAM	20325	1RB#38	21.80	19.57	30	PASS
Band4	15MHz	16QAM	20325	1RB#74	22.37	20.17	30	PASS
Band4	15MHz	16QAM	20325	36RB#0	20.86	18.58	30	PASS
Band4	15MHz	16QAM	20325	36RB#18	20.81	18.52	30	PASS
Band4	15MHz	16QAM	20325	36RB#39	20.89	18.42	30	PASS
Band4	15MHz	16QAM	20325	75RB#0	20.90	18.53	30	PASS
Band4	20MHz	QPSK	20050	1RB#0	22.69	20.72	30	PASS
Band4	20MHz	QPSK	20050	1RB#49	22.58	20.46	30	PASS
Band4	20MHz	QPSK	20050	1RB#99	23.02	20.77	30	PASS
Band4	20MHz	QPSK	20050	50RB#0	21.95	19.67	30	PASS
Band4	20MHz	QPSK	20050	50RB#25	21.85	19.87	30	PASS
Band4	20MHz	QPSK	20050	50RB#50	22.13	20.09	30	PASS
Band4	20MHz	QPSK	20050	100RB#0	21.97	19.91	30	PASS
Band4	20MHz	QPSK	20175	1RB#0	22.79	20.56	30	PASS
Band4	20MHz	QPSK	20175	1RB#49	22.84	20.53	30	PASS



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Band4	20MHz	QPSK	20175	1RB#99	23.03	20.57	30	PASS
Band4	20MHz	QPSK	20175	50RB#0	22.10	19.91	30	PASS
Band4	20MHz	QPSK	20175	50RB#25	21.99	19.85	30	PASS
Band4	20MHz	QPSK	20175	50RB#50	21.97	19.70	30	PASS
Band4	20MHz	QPSK	20175	100RB#0	22.01	19.76	30	PASS
Band4	20MHz	QPSK	20300	1RB#0	22.92	20.38	30	PASS
Band4	20MHz	QPSK	20300	1RB#49	22.76	20.26	30	PASS
Band4	20MHz	QPSK	20300	1RB#99	23.01	20.47	30	PASS
Band4	20MHz	QPSK	20300	50RB#0	21.99	19.65	30	PASS
Band4	20MHz	QPSK	20300	50RB#25	22.00	19.63	30	PASS
Band4	20MHz	QPSK	20300	50RB#50	21.97	19.40	30	PASS
Band4	20MHz	QPSK	20300	100RB#0	21.93	19.64	30	PASS
Band4	20MHz	64QAM	20050	1RB#0	20.90	18.61	30	PASS
Band4	20MHz	64QAM	20050	1RB#49	20.86	19.23	30	PASS
Band4	20MHz	64QAM	20050	1RB#99	20.91	19.21	30	PASS
Band4	20MHz	64QAM	20050	50RB#0	19.91	17.79	30	PASS
Band4	20MHz	64QAM	20050	50RB#25	19.79	17.69	30	PASS
Band4	20MHz	64QAM	20050	50RB#50	19.76	17.79	30	PASS
Band4	20MHz	64QAM	20050	100RB#0	19.90	17.66	30	PASS
Band4	20MHz	64QAM	20175	1RB#0	20.99	18.79	30	PASS
Band4	20MHz	64QAM	20175	1RB#49	20.96	18.96	30	PASS
Band4	20MHz	64QAM	20175	1RB#99	20.97	19.03	30	PASS
Band4	20MHz	64QAM	20175	50RB#0	19.92	17.57	30	PASS
Band4	20MHz	64QAM	20175	50RB#25	19.79	17.48	30	PASS
Band4	20MHz	64QAM	20175	50RB#50	19.89	17.58	30	PASS
Band4	20MHz	64QAM	20175	100RB#0	19.87	17.66	30	PASS
Band4	20MHz	64QAM	20300	1RB#0	21.00	19.09	30	PASS
Band4	20MHz	64QAM	20300	1RB#49	20.77	18.70	30	PASS
Band4	20MHz	64QAM	20300	1RB#99	20.90	18.82	30	PASS
Band4	20MHz	64QAM	20300	50RB#0	19.81	17.56	30	PASS
Band4	20MHz	64QAM	20300	50RB#25	19.78	17.46	30	PASS
Band4	20MHz	64QAM	20300	50RB#50	19.84	17.56	30	PASS
Band4	20MHz	64QAM	20300	100RB#0	19.79	17.42	30	PASS



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Band4	20MHz	16QAM	20050	1RB#0	22.31	19.94	30	PASS
Band4	20MHz	16QAM	20050	1RB#49	22.06	20.25	30	PASS
Band4	20MHz	16QAM	20050	1RB#99	22.33	19.75	30	PASS
Band4	20MHz	16QAM	20050	50RB#0	21.00	19.07	30	PASS
Band4	20MHz	16QAM	20050	50RB#25	20.84	18.98	30	PASS
Band4	20MHz	16QAM	20050	50RB#50	20.97	18.76	30	PASS
Band4	20MHz	16QAM	20050	100RB#0	21.07	18.90	30	PASS
Band4	20MHz	16QAM	20175	1RB#0	22.42	20.09	30	PASS
Band4	20MHz	16QAM	20175	1RB#49	22.16	19.83	30	PASS
Band4	20MHz	16QAM	20175	1RB#99	22.35	19.60	30	PASS
Band4	20MHz	16QAM	20175	50RB#0	21.17	18.89	30	PASS
Band4	20MHz	16QAM	20175	50RB#25	21.08	18.85	30	PASS
Band4	20MHz	16QAM	20175	50RB#50	21.07	18.71	30	PASS
Band4	20MHz	16QAM	20175	100RB#0	21.20	18.75	30	PASS
Band4	20MHz	16QAM	20300	1RB#0	22.31	19.95	30	PASS
Band4	20MHz	16QAM	20300	1RB#49	22.09	20.15	30	PASS
Band4	20MHz	16QAM	20300	1RB#99	22.27	19.56	30	PASS
Band4	20MHz	16QAM	20300	50RB#0	21.07	18.71	30	PASS
Band4	20MHz	16QAM	20300	50RB#25	21.00	18.69	30	PASS
Band4	20MHz	16QAM	20300	50RB#50	20.90	18.47	30	PASS
Band4	20MHz	16QAM	20300	100RB#0	20.93	18.62	30	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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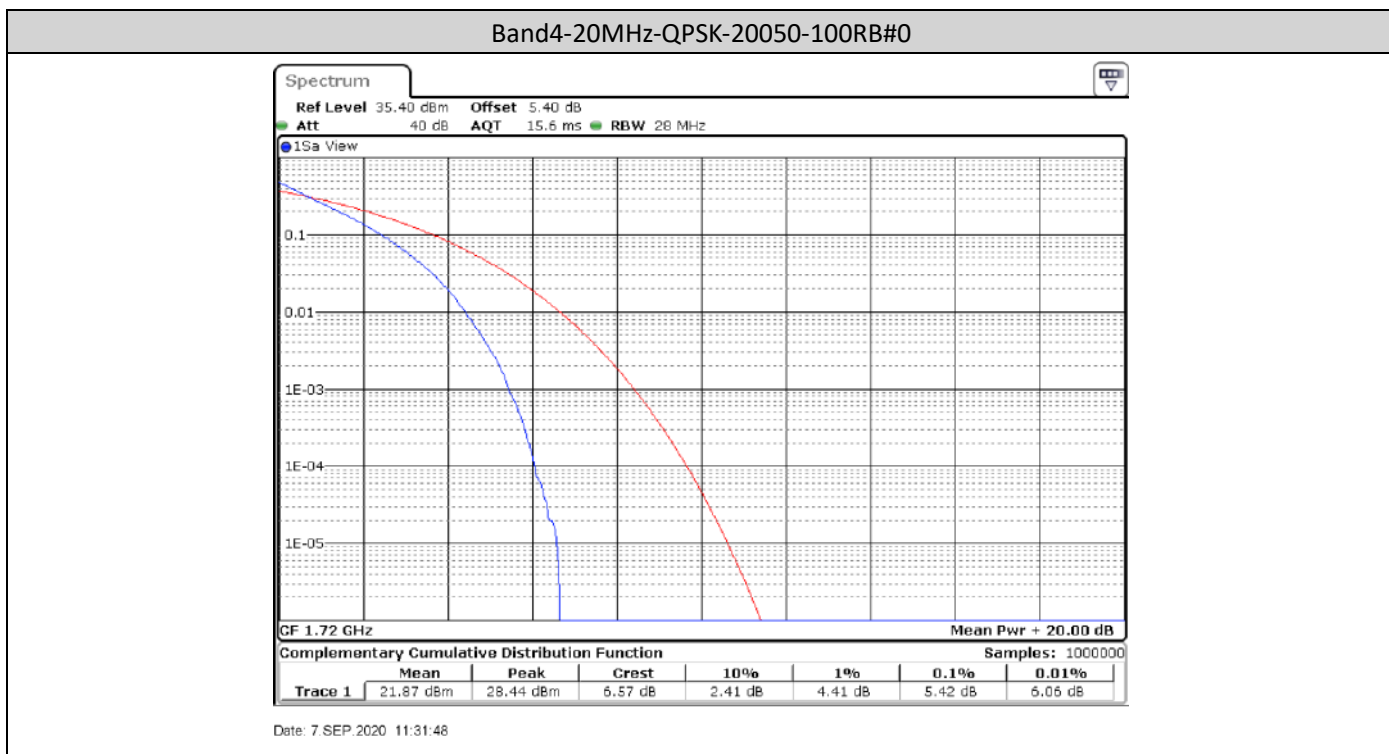


## 2. Peak-to-Average Ratio (CCDF)

### 2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	5.42	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.19	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.13	13	PASS
Band4	20MHz	64QAM	20050	100RB#0	6.52	13	PASS
Band4	20MHz	64QAM	20175	100RB#0	6.43	13	PASS
Band4	20MHz	64QAM	20300	100RB#0	6.38	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	6.32	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	6.06	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	6.00	13	PASS

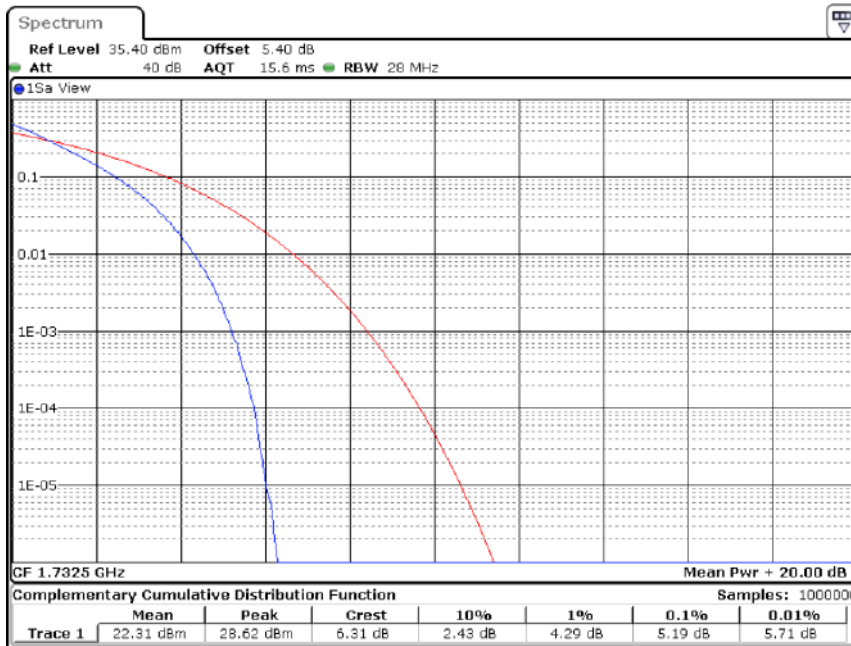
### 2.2. Test Plots



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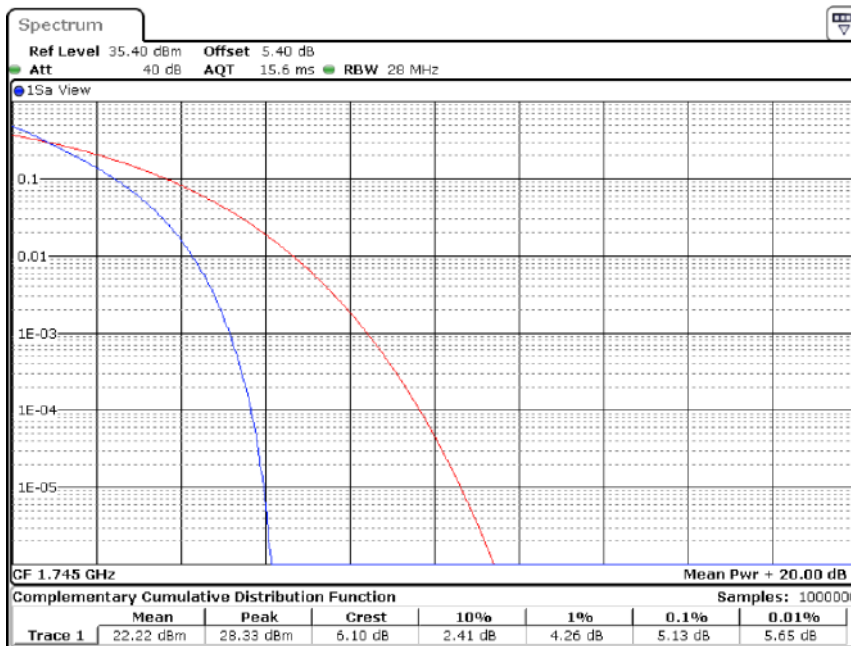
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**Band4-20MHz-QPSK-20175-100RB#0**



Date: 7 SEP 2020 11:32:10

**Band4-20MHz-QPSK-20300-100RB#0**

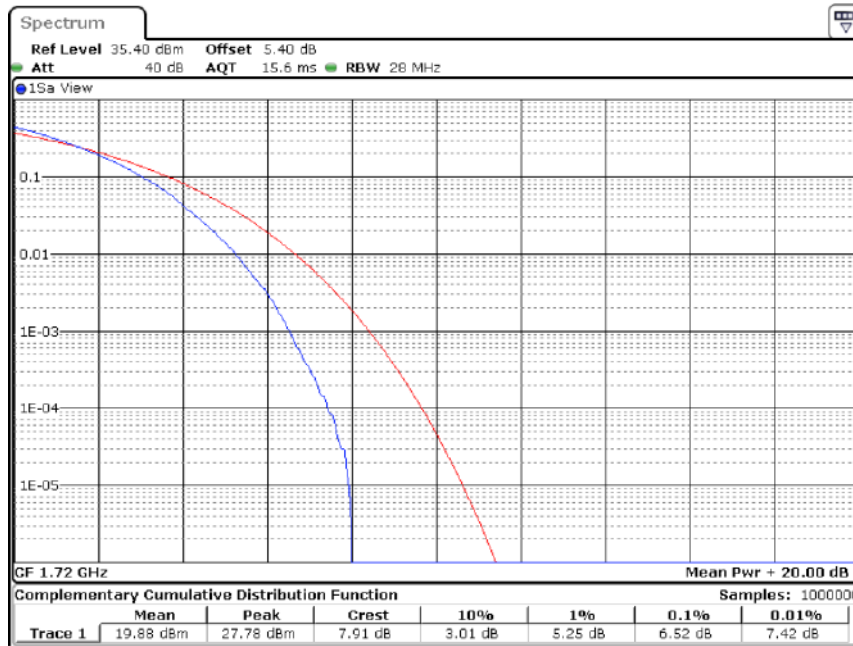


Date: 7 SEP 2020 11:32:33



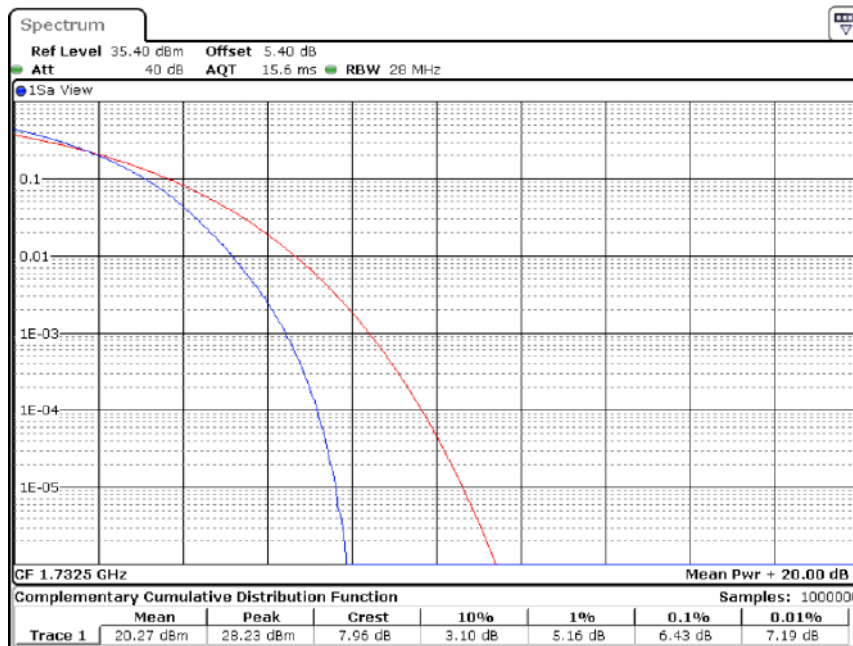
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**Band4-20MHz-64QAM-20050-100RB#0**



Date: 7 SEP 2020 12:45:45

**Band4-20MHz-64QAM-20175-100RB#0**

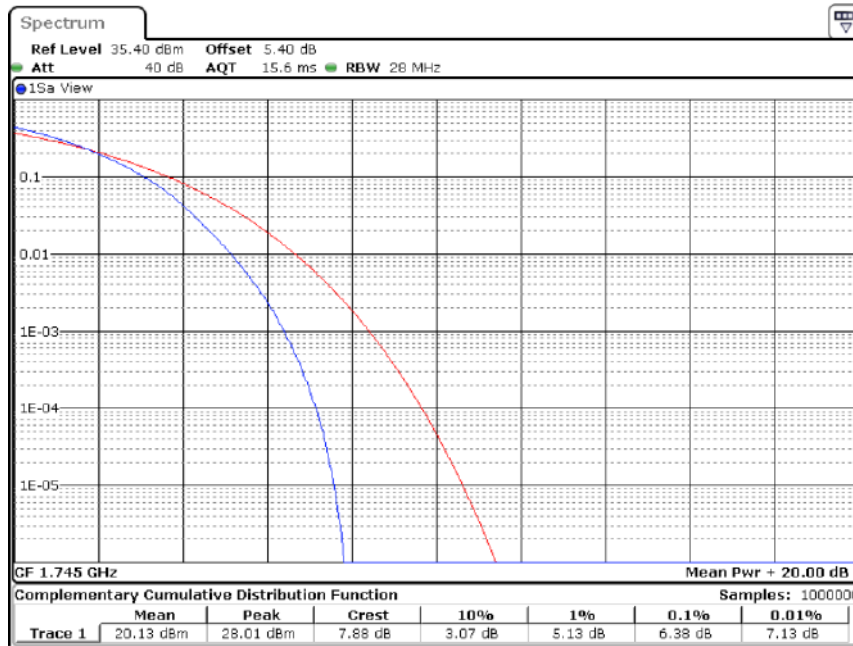


Date: 7 SEP 2020 12:45:57



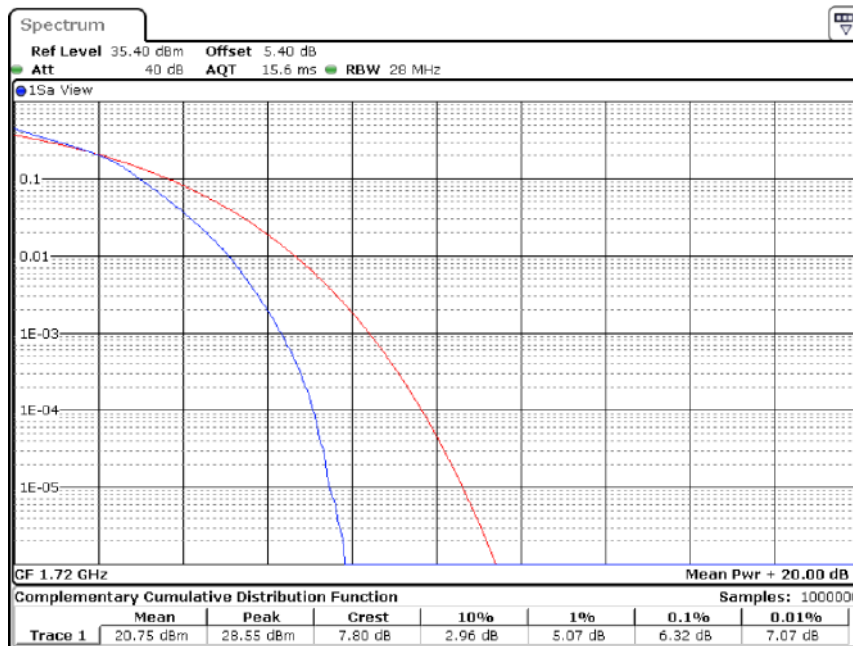
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**Band4-20MHz-64QAM-20300-100RB#0**



Date: 7 SEP 2020 12:46:08

**Band4-20MHz-16QAM-20050-100RB#0**



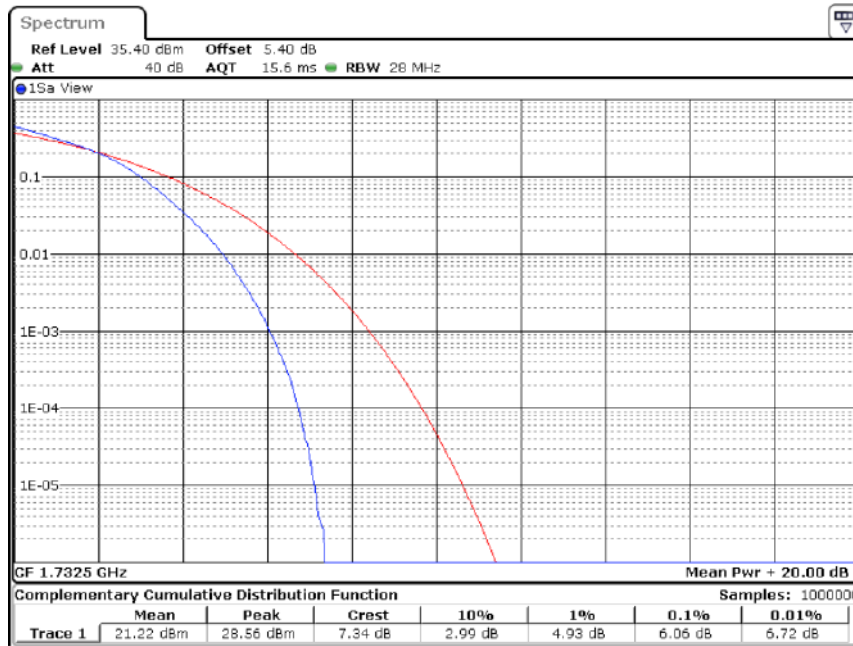
Date: 7 SEP 2020 11:31:59



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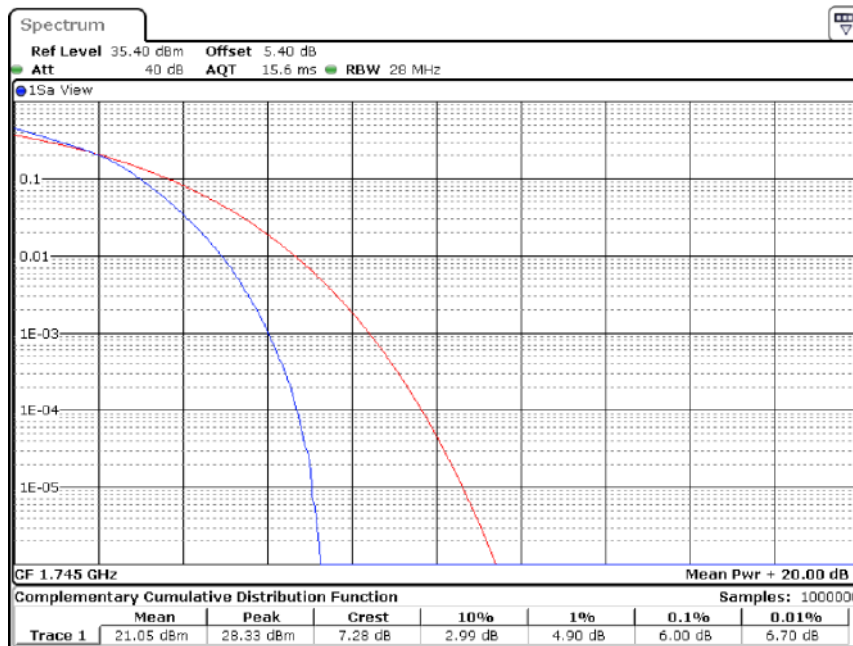
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**Band4-20MHz-16QAM-20175-100RB#0**



Date: 7 SEP 2020 11:32:21

**Band4-20MHz-16QAM-20300-100RB#0**



Date: 7 SEP 2020 11:32:44

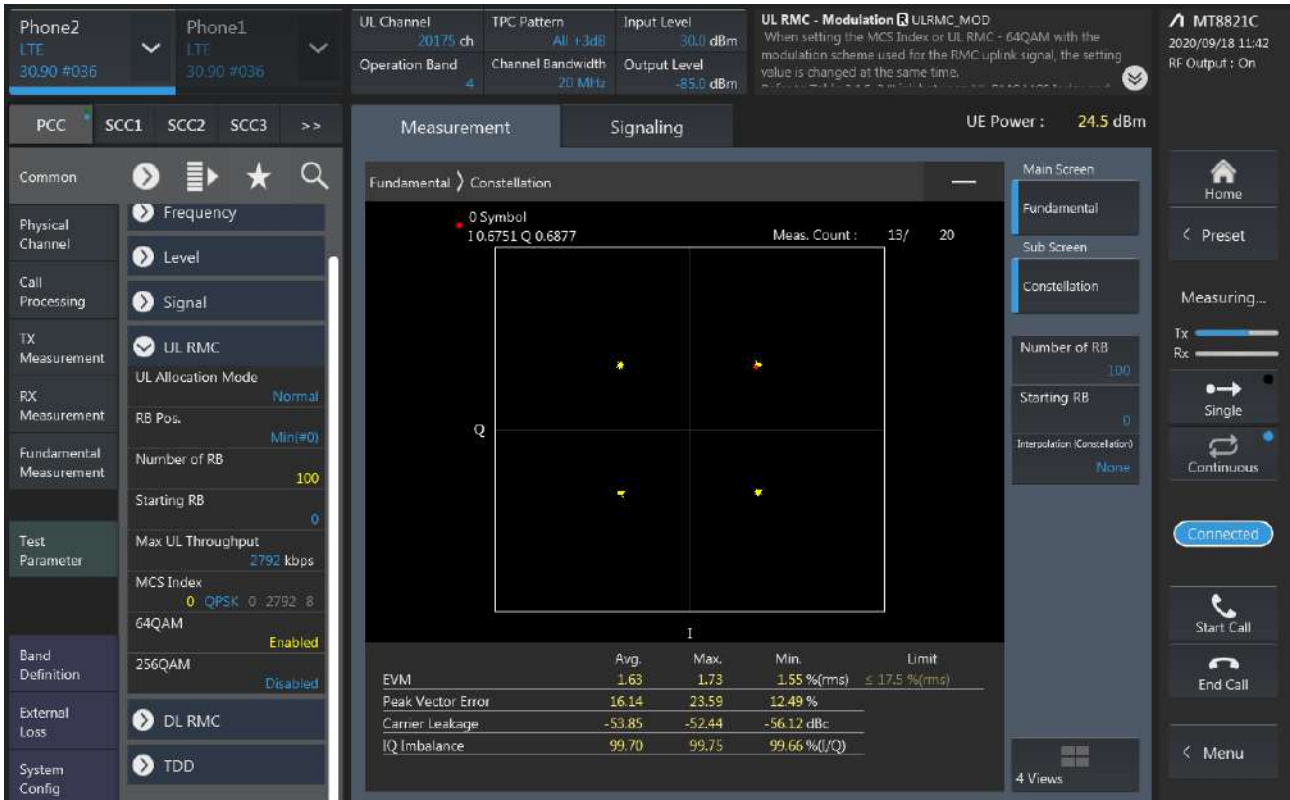


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### 3. Modulation Characteristics

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

##### 3.1.1. Test Channel = MCH

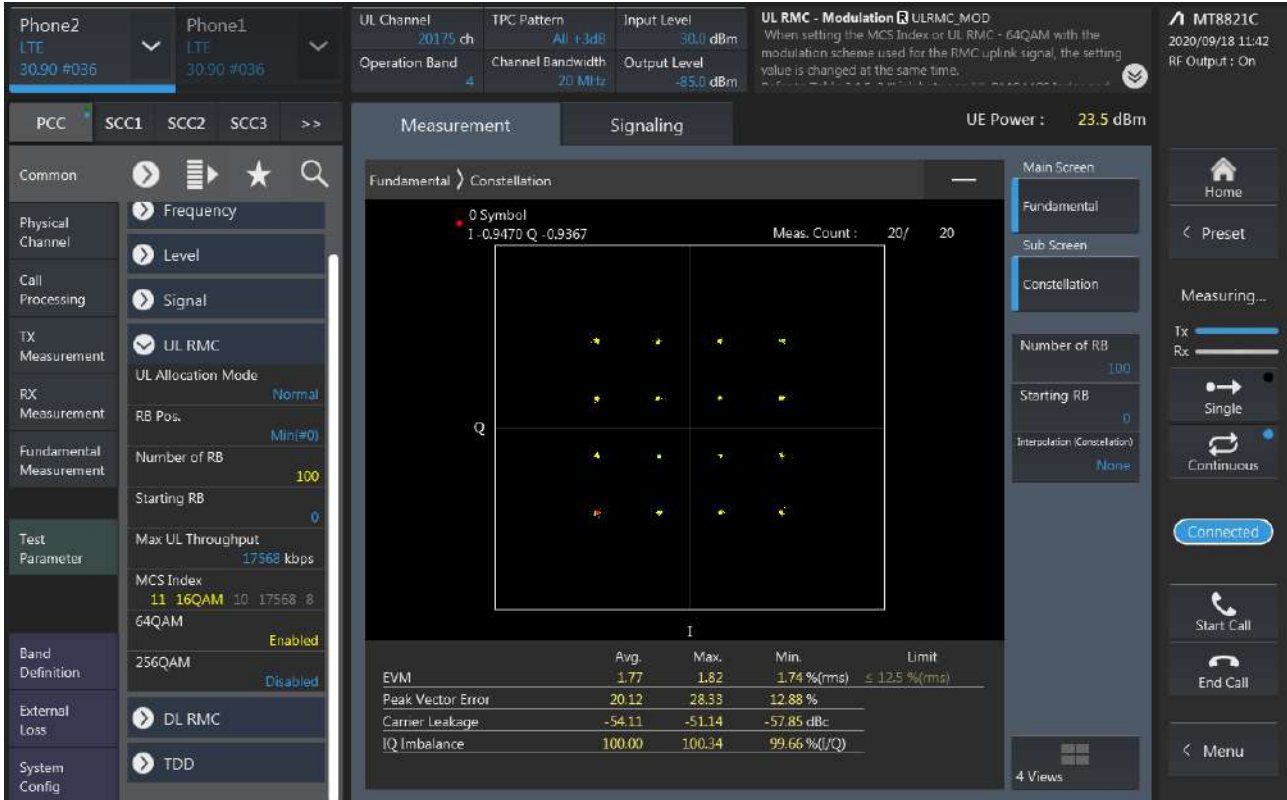


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### 3.2. Test Mode = LTE /TM2 20MHz

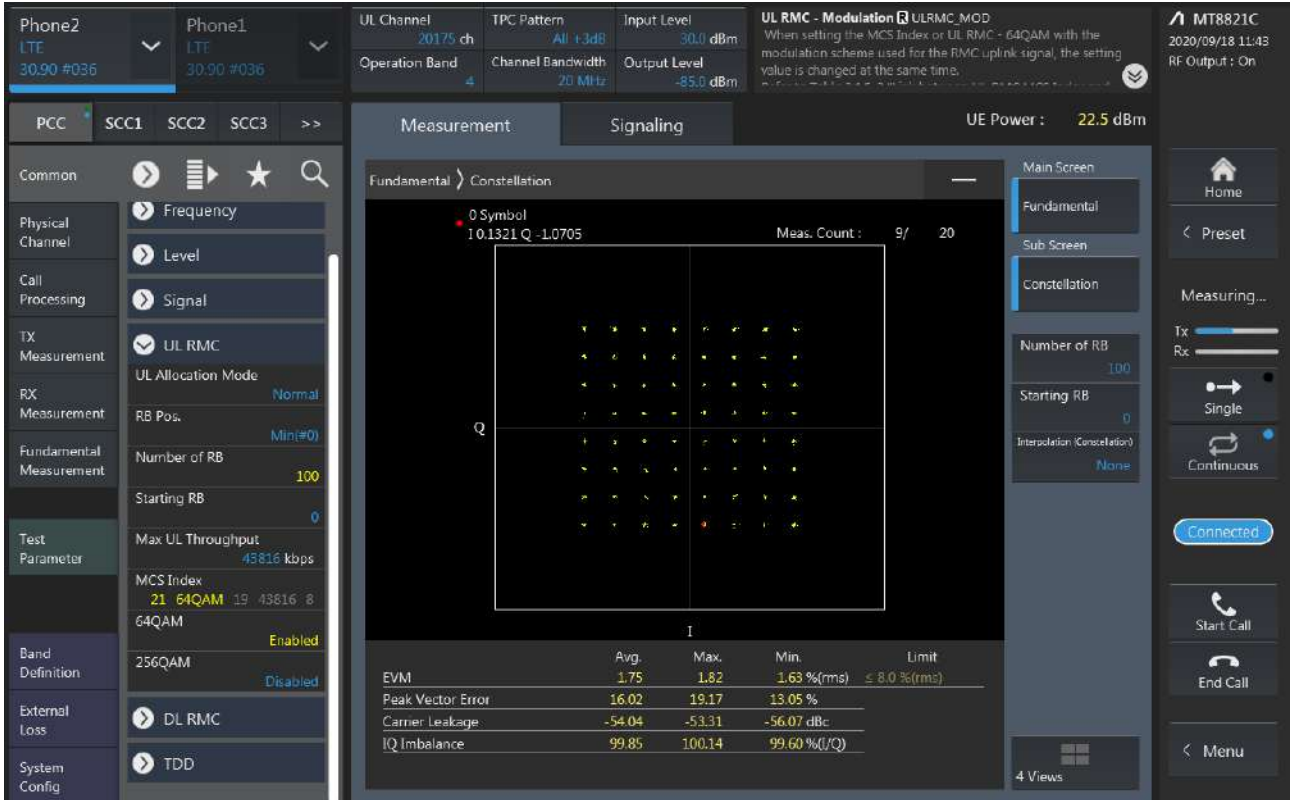
#### 3.2.1. Test Channel = MCH



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

#### 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
Band4	1.4MHz	QPSK	19957	6RB#0	1.091	1.287	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.097	1.287	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.094	1.284	PASS
Band4	1.4MHz	64QAM	19957	6RB#0	1.097	1.305	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	1.103	1.290	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	1.097	1.296	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.088	1.281	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.082	1.281	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.091	1.284	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.697	2.988	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.697	2.994	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.703	2.988	PASS
Band4	3MHz	64QAM	19965	15RB#0	2.691	2.964	PASS
Band4	3MHz	64QAM	20175	15RB#0	2.691	2.970	PASS
Band4	3MHz	64QAM	20385	15RB#0	2.697	2.976	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.685	2.970	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.685	2.976	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.685	2.982	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.476	4.920	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.466	4.920	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.476	4.920	PASS
Band4	5MHz	64QAM	19975	25RB#0	4.476	4.890	PASS
Band4	5MHz	64QAM	20175	25RB#0	4.476	4.890	PASS
Band4	5MHz	64QAM	20375	25RB#0	4.476	4.900	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.476	4.940	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.486	4.950	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.486	4.960	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.931	9.780	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.931	9.720	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.931	9.740	PASS
Band4	10MHz	64QAM	20000	50RB#0	8.931	9.680	PASS



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Band4	10MHz	64QAM	20175	50RB#0	8.931	9.680	PASS
Band4	10MHz	64QAM	20350	50RB#0	8.931	9.700	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.931	9.740	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.931	9.740	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.931	9.760	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.457	14.760	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.487	14.730	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.457	14.730	PASS
Band4	15MHz	64QAM	20025	75RB#0	13.457	14.970	PASS
Band4	15MHz	64QAM	20175	75RB#0	13.457	14.760	PASS
Band4	15MHz	64QAM	20325	75RB#0	13.427	14.820	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.487	14.700	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.457	14.730	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.427	14.730	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.942	19.440	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.862	19.440	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.902	19.400	PASS
Band4	20MHz	64QAM	20050	100RB#0	17.902	19.480	PASS
Band4	20MHz	64QAM	20175	100RB#0	17.862	19.480	PASS
Band4	20MHz	64QAM	20300	100RB#0	17.902	19.400	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.902	19.520	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.862	19.400	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.862	19.440	PASS

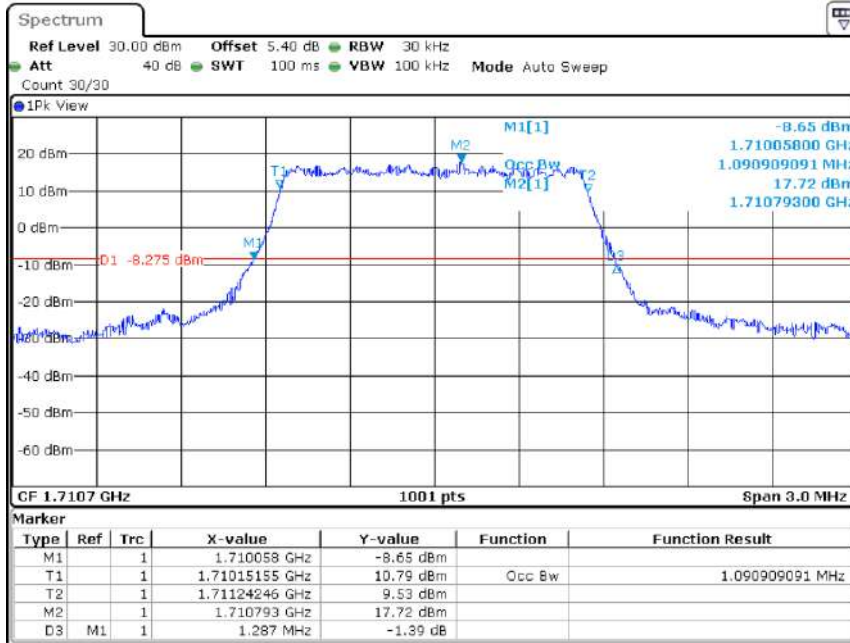


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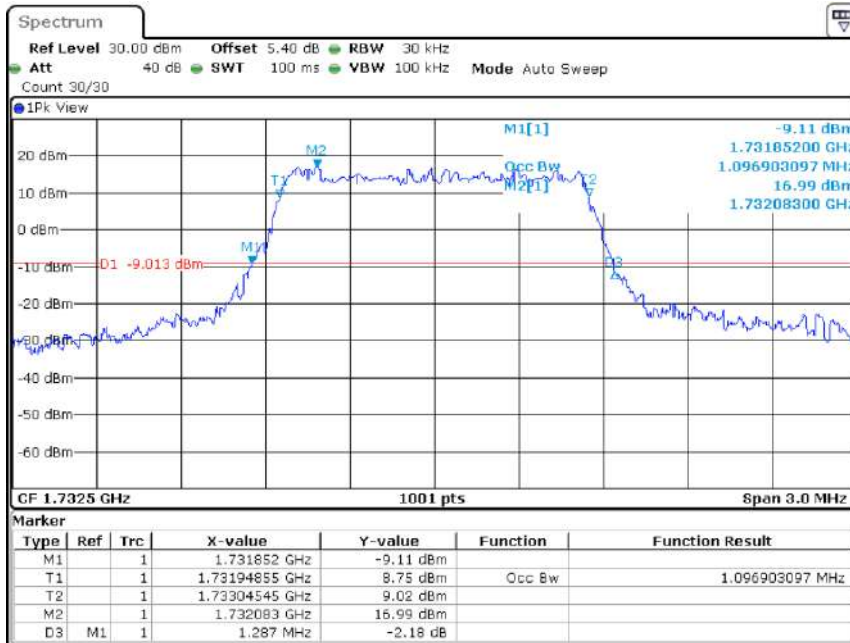
## 4.2. Test Plots

Band4-1.4MHz-QPSK-19957-6RB#0-1.091



Date: 7 SEP.2020 10:45:51

Band4-1.4MHz-QPSK-20175-6RB#0-1.097

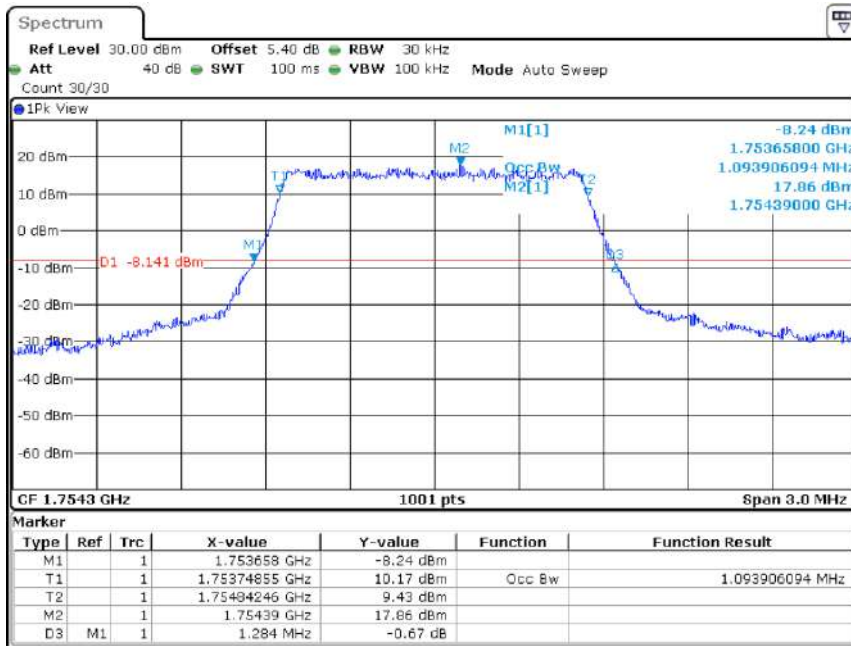


Date: 7 SEP.2020 10:46:17



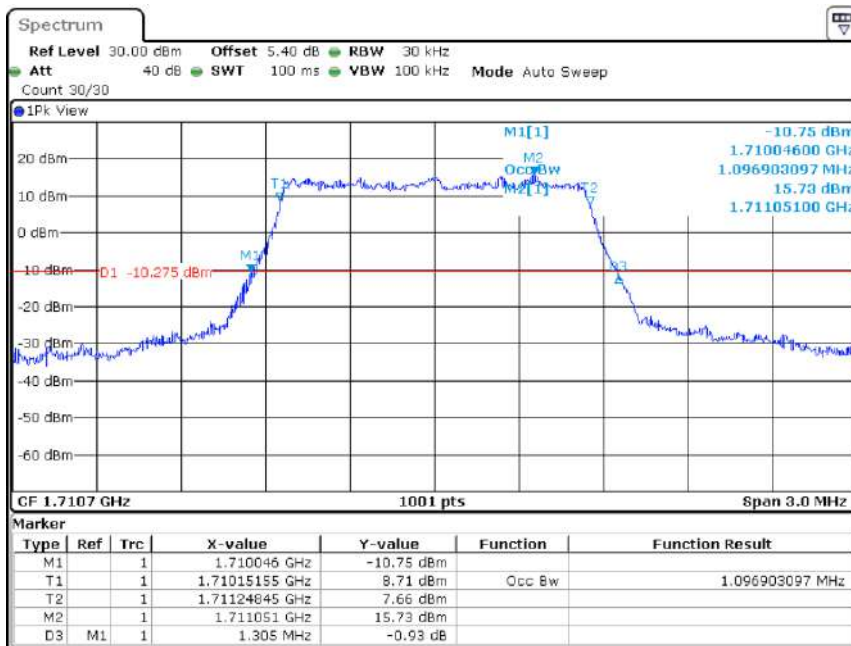
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**Band4-1.4MHz-QPSK-20393-6RB#0-1.094**



Date: 7 SEP.2020 10:46:43

**Band4-1.4MHz-64QAM-19957-6RB#0-1.097**

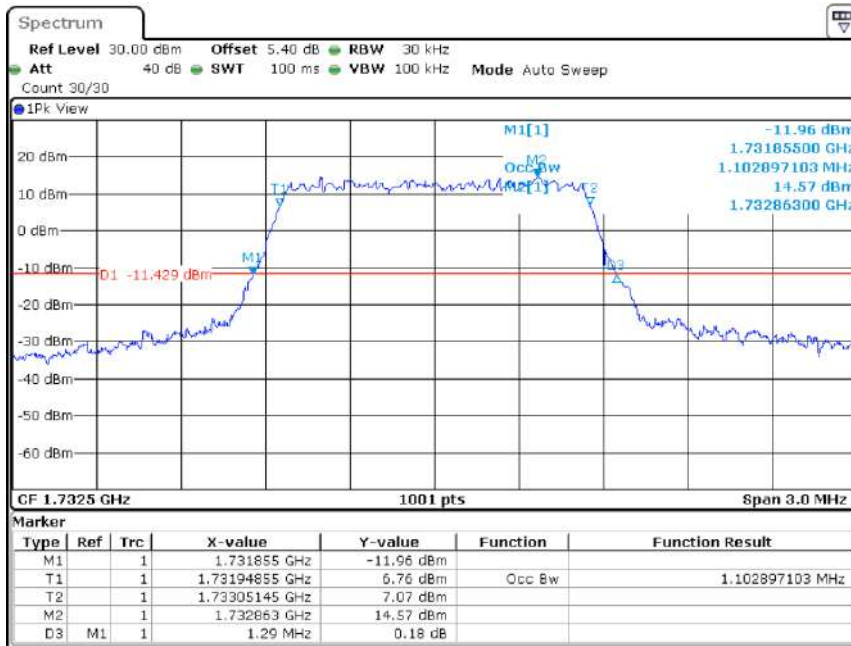


Date: 7 SEP.2020 12:29:27



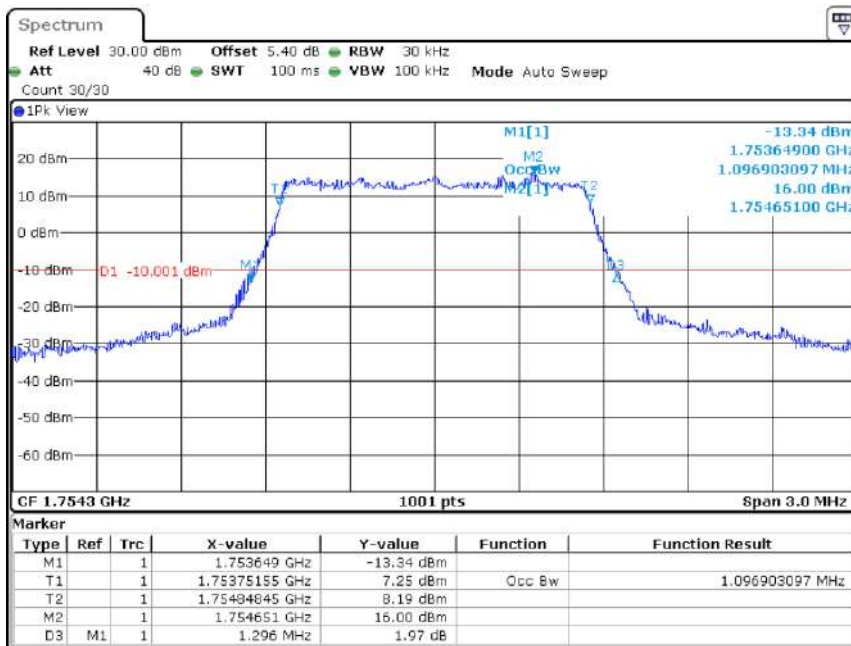
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**Band4-1.4MHz-64QAM-20175-6RB#0-1.103**



Date: 7 SEP.2020 12:28:41

**Band4-1.4MHz-64QAM-20393-6RB#0-1.097**

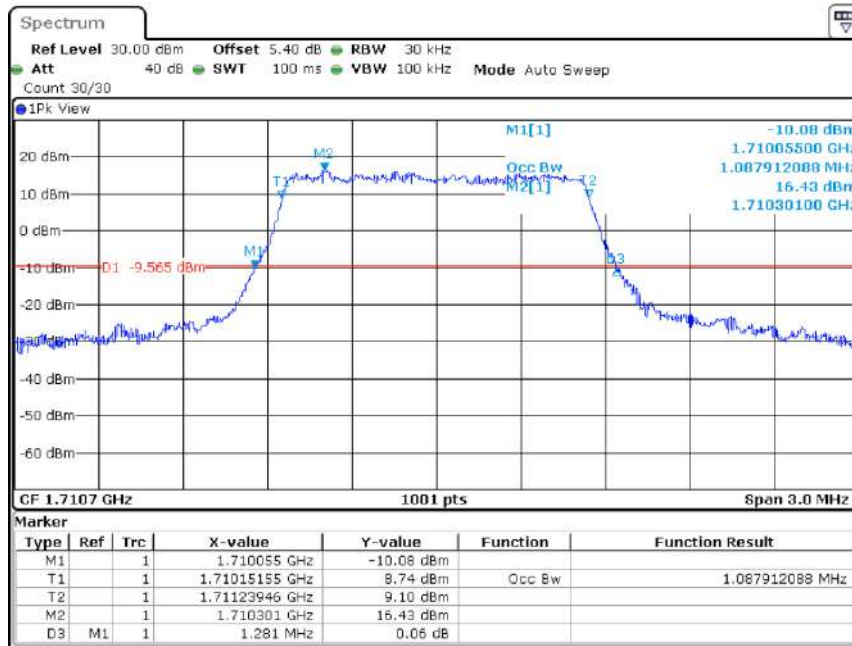


Date: 7 SEP.2020 12:28:54



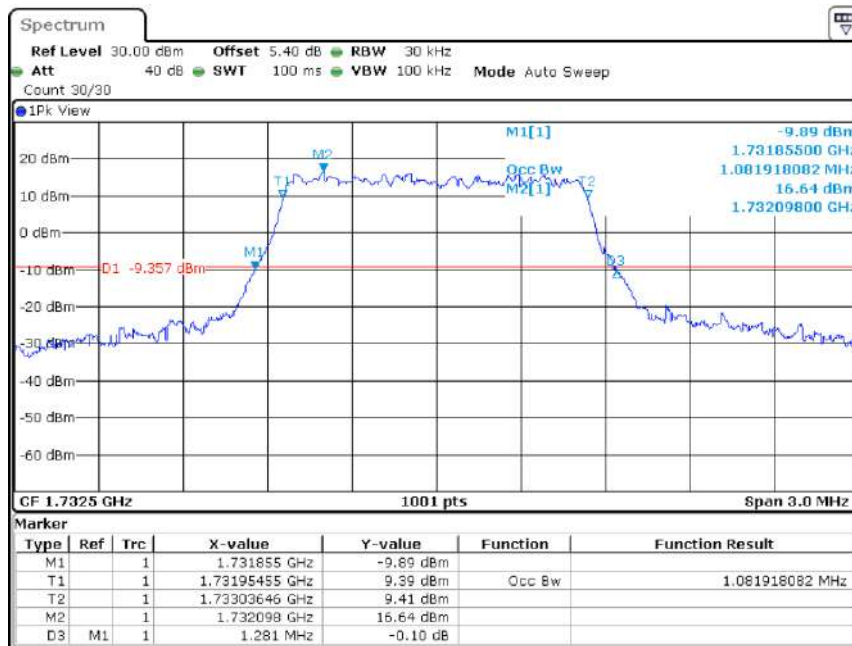
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**Band4-1.4MHz-16QAM-19957-6RB#0-1.088**



Date: 7 SEP.2020 10:46:04

**Band4-1.4MHz-16QAM-20175-6RB#0-1.082**

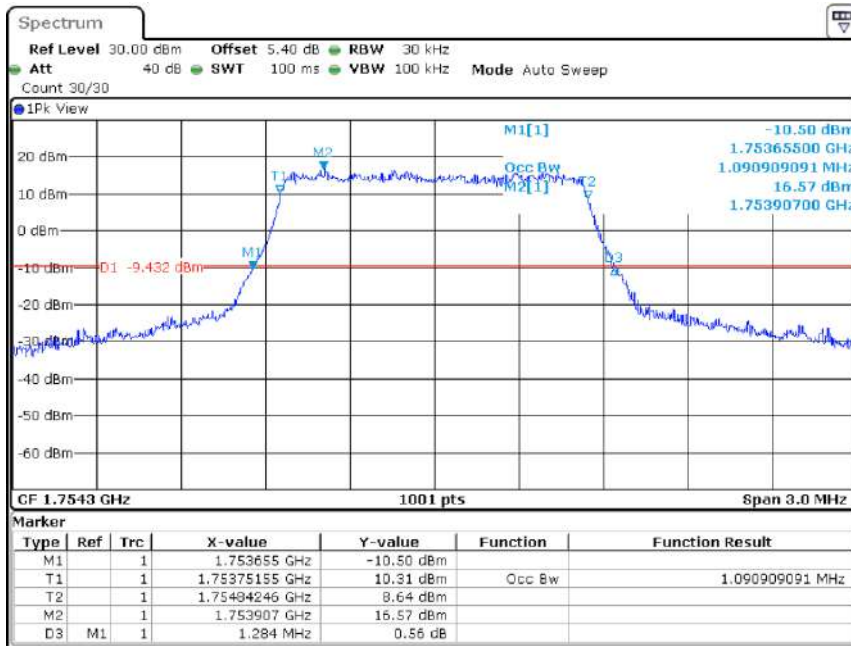


Date: 7 SEP.2020 10:46:30

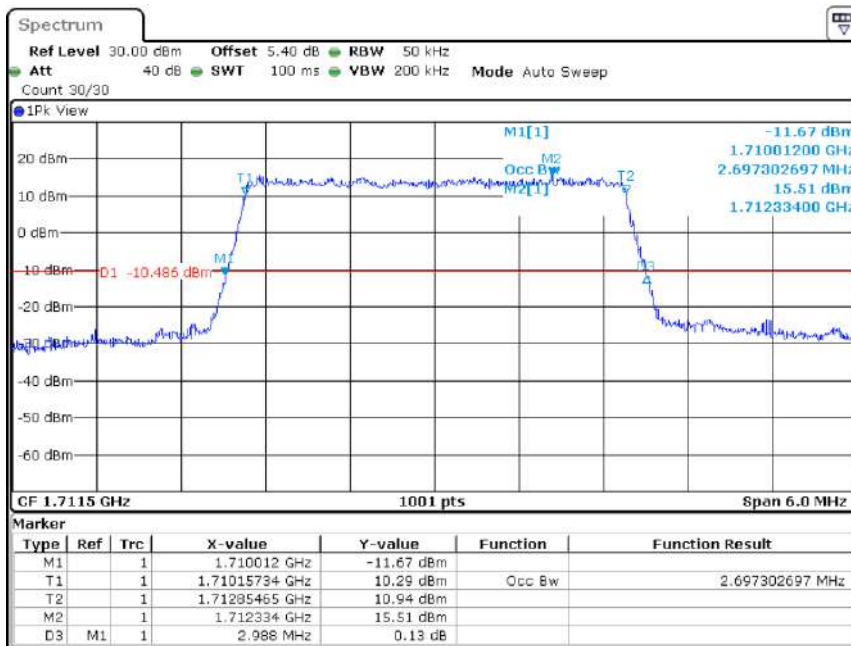


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**Band4-1.4MHz-16QAM-20393-6RB#0-1.091**

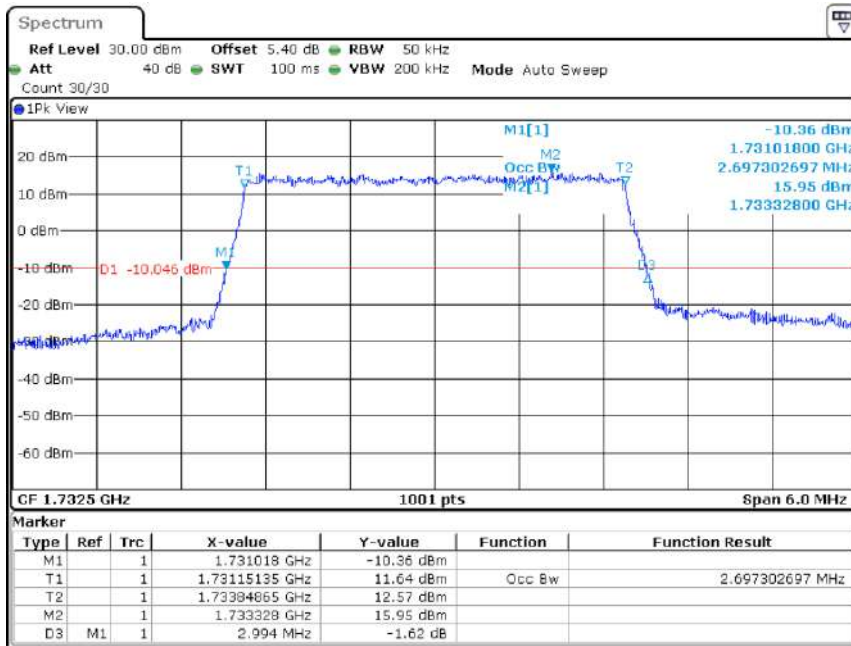


**Band4-3MHz-QPSK-19965-15RB#0-2.697**



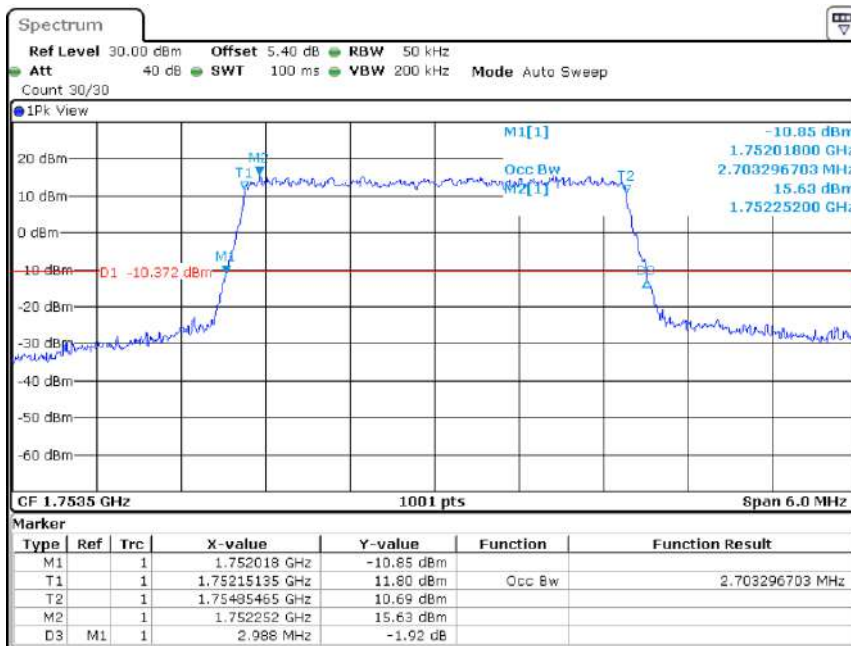
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**Band4-3MHz-QPSK-20175-15RB#0-2.697**



Date: 7 SEP.2020 10:47:41

**Band4-3MHz-QPSK-20385-15RB#0-2.703**

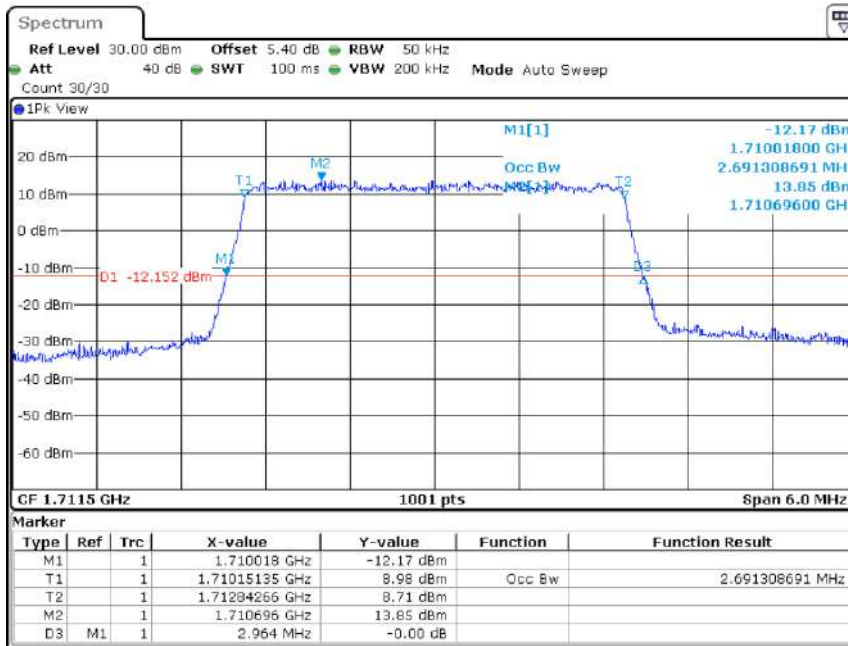


Date: 7 SEP.2020 10:48:07



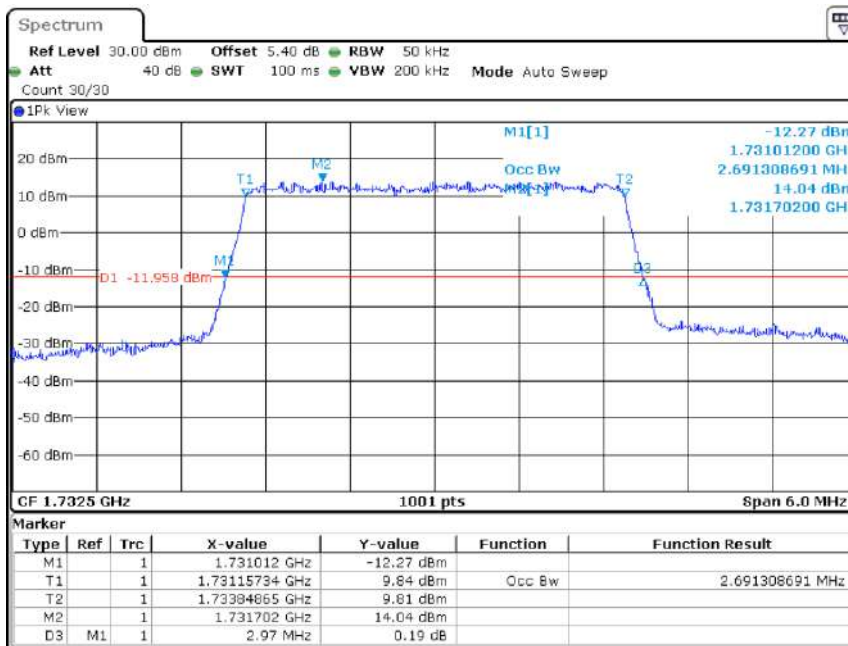
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**Band4-3MHz-64QAM-19965-15RB#0-2.691**



Date: 7 SEP.2020 12:30:13

**Band4-3MHz-64QAM-20175-15RB#0-2.691**

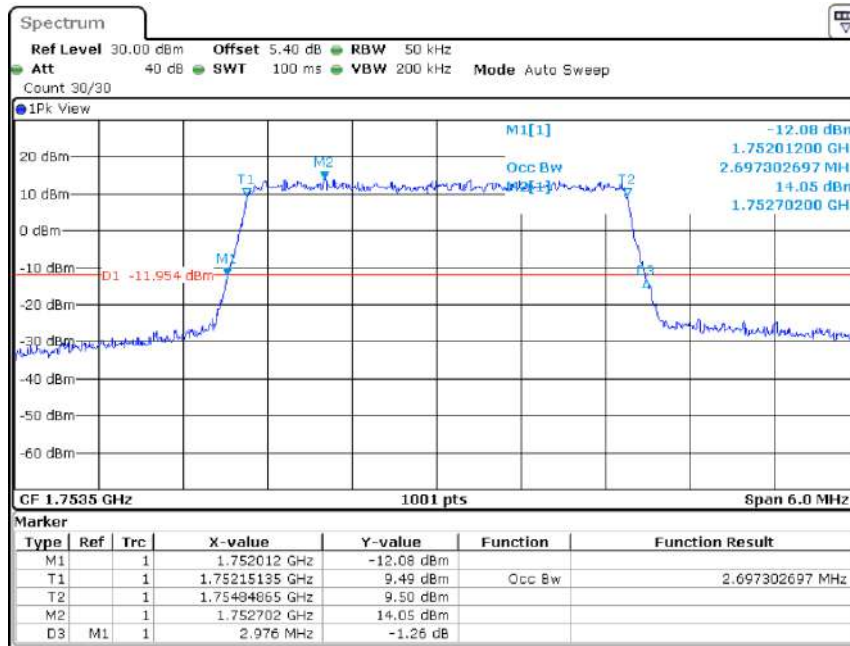


Date: 7 SEP.2020 12:30:27

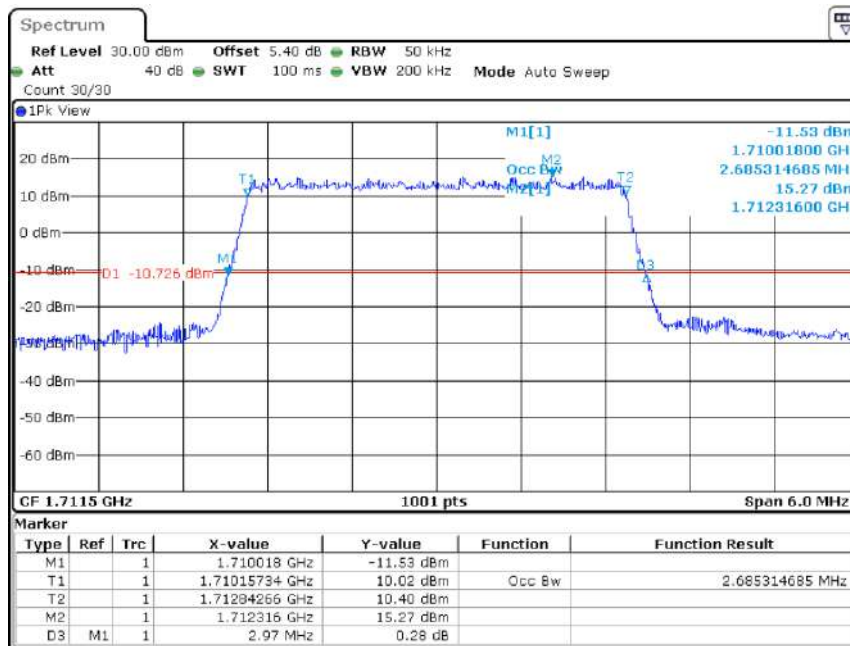


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**Band4-3MHz-64QAM-20385-15RB#0-2.697**



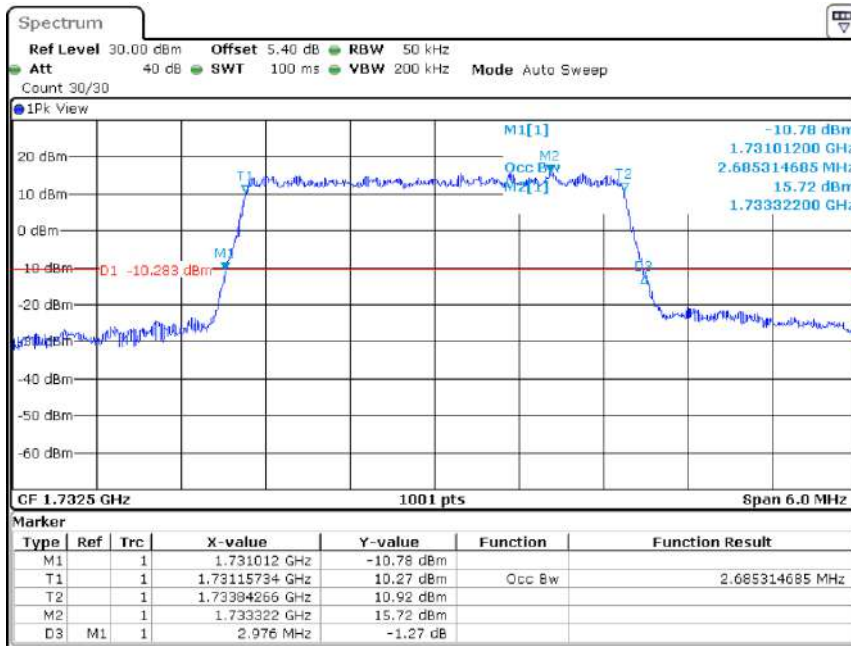
**Band4-3MHz-16QAM-19965-15RB#0-2.685**



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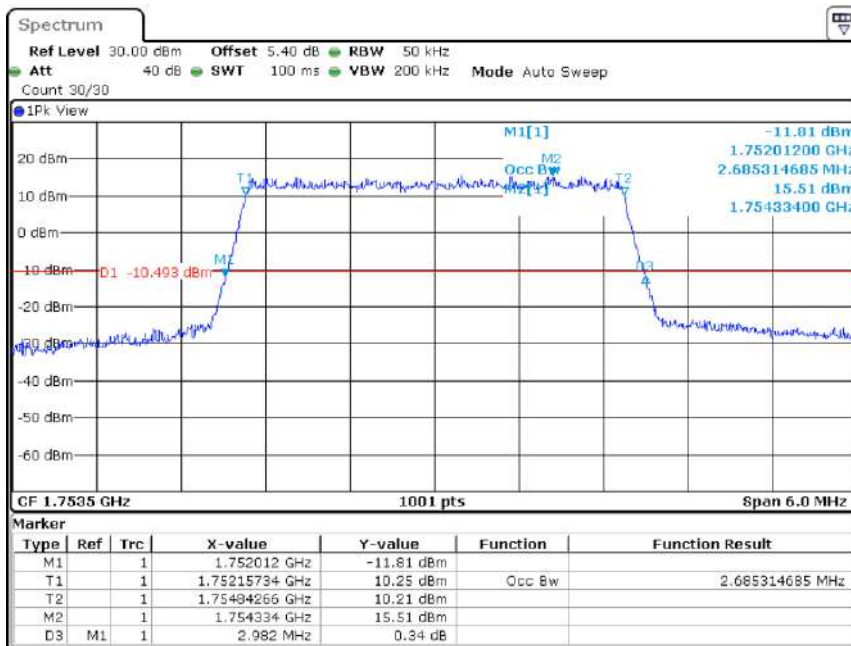
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**Band4-3MHz-16QAM-20175-15RB#0-2.685**



Date: 7 SEP.2020 10:47:54

**Band4-3MHz-16QAM-20385-15RB#0-2.685**

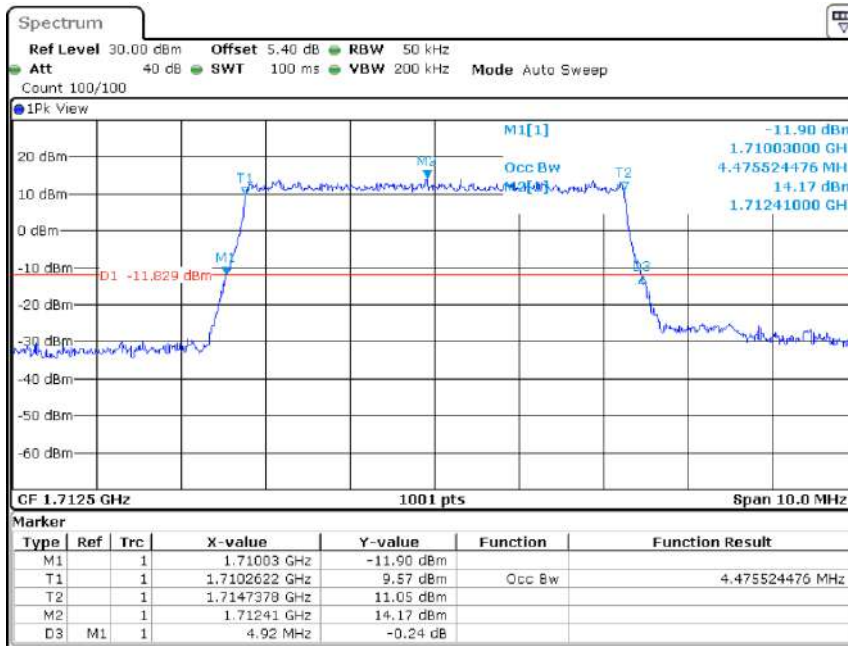


Date: 7 SEP.2020 10:48:19



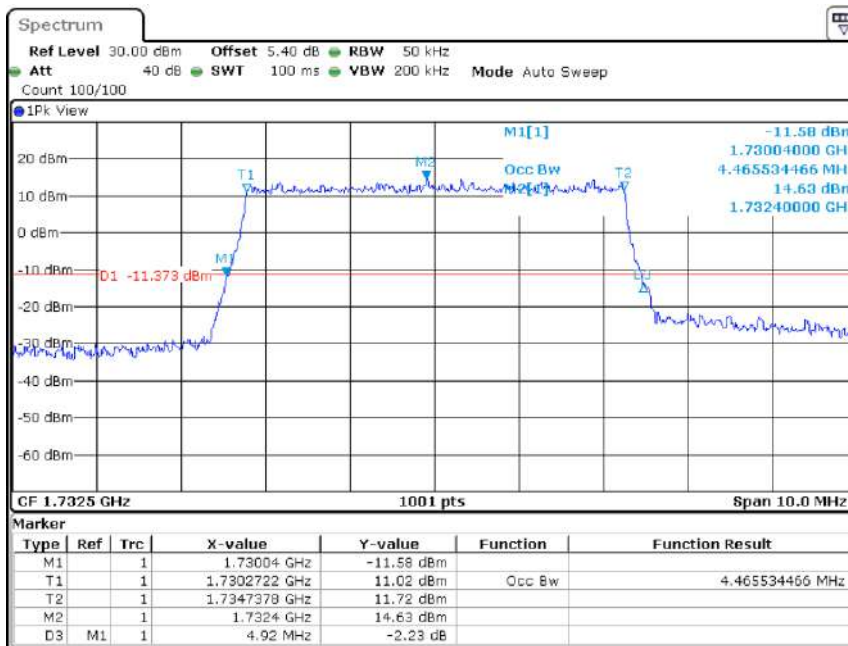
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**Band4-5MHz-QPSK-19975-25RB#0-4.476**



Date: 7 SEP.2020 10:48:45

**Band4-5MHz-QPSK-20175-25RB#0-4.466**

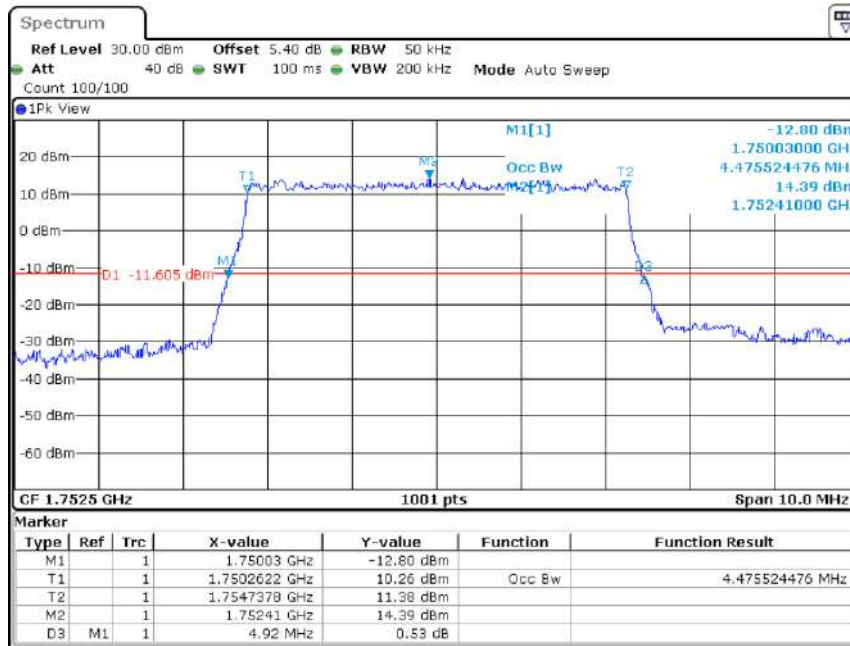


Date: 7 SEP.2020 10:49:25

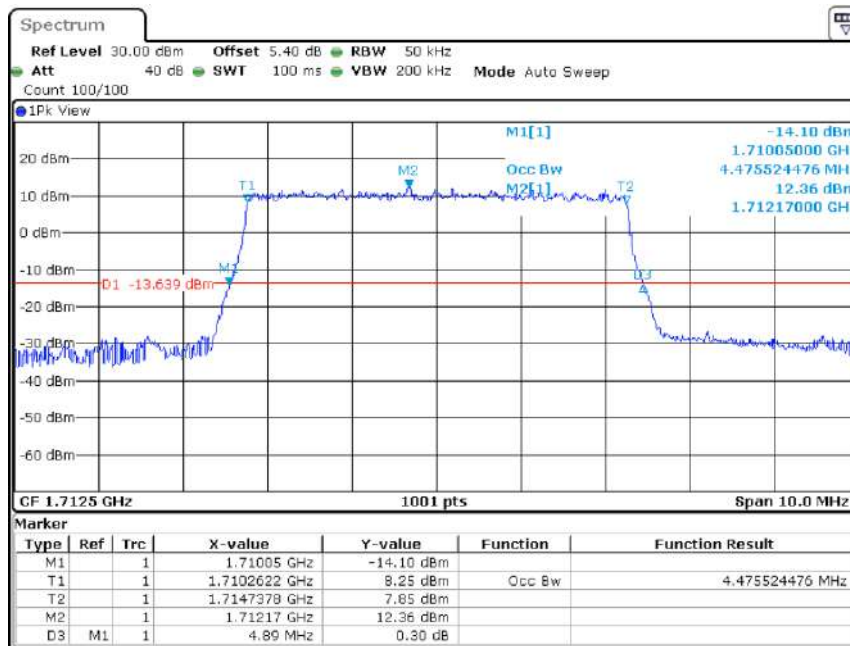


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**Band4-5MHz-QPSK-20375-25RB#0-4.476**



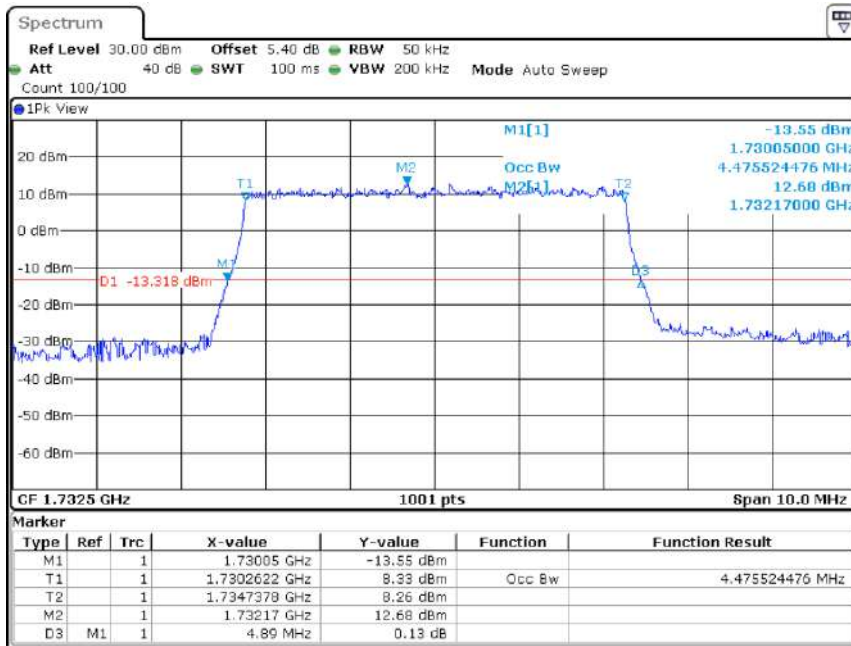
**Band4-5MHz-64QAM-19975-25RB#0-4.476**



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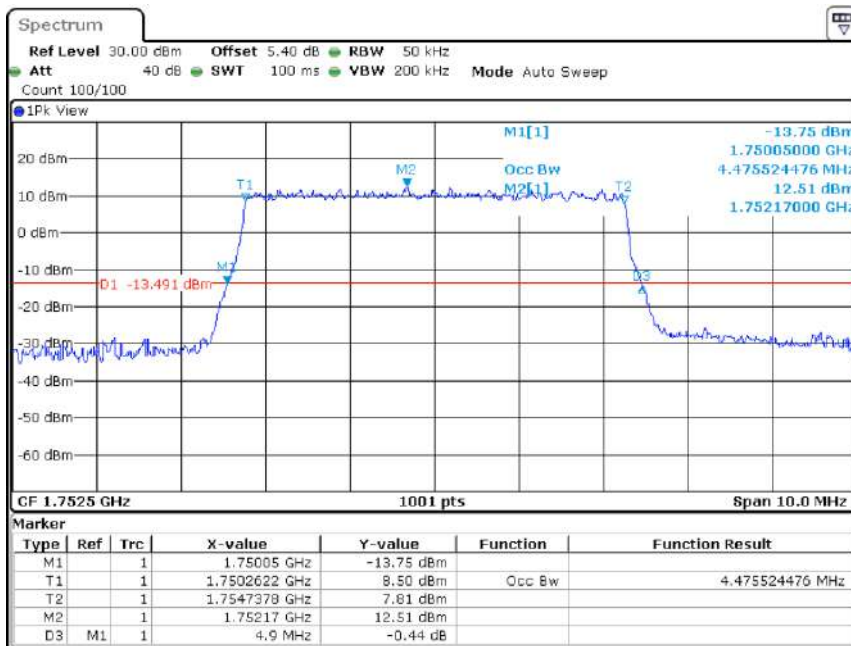
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**Band4-5MHz-64QAM-20175-25RB#0-4.476**



Date: 7 SEP.2020 12:31:26

**Band4-5MHz-64QAM-20375-25RB#0-4.476**

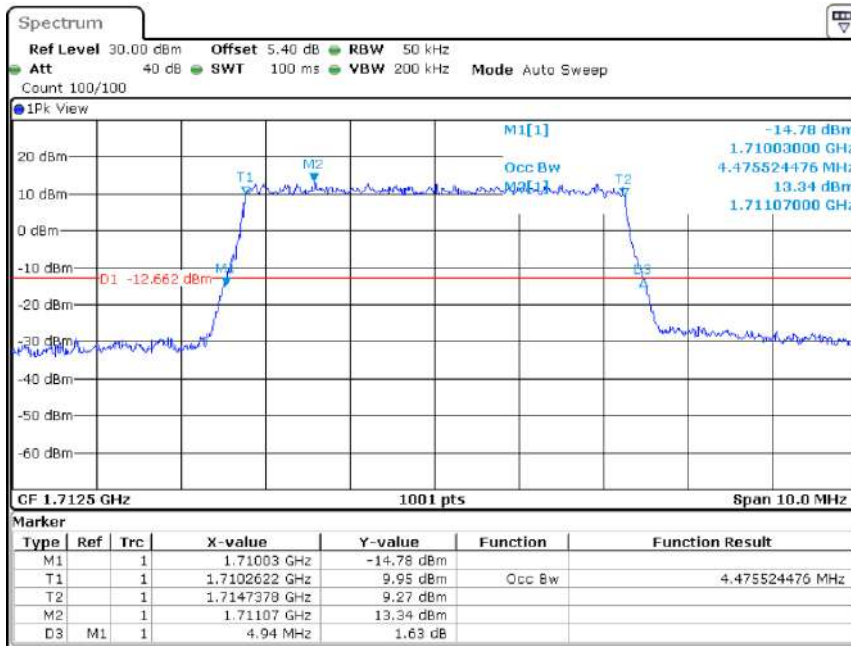


Date: 7 SEP.2020 12:31:46



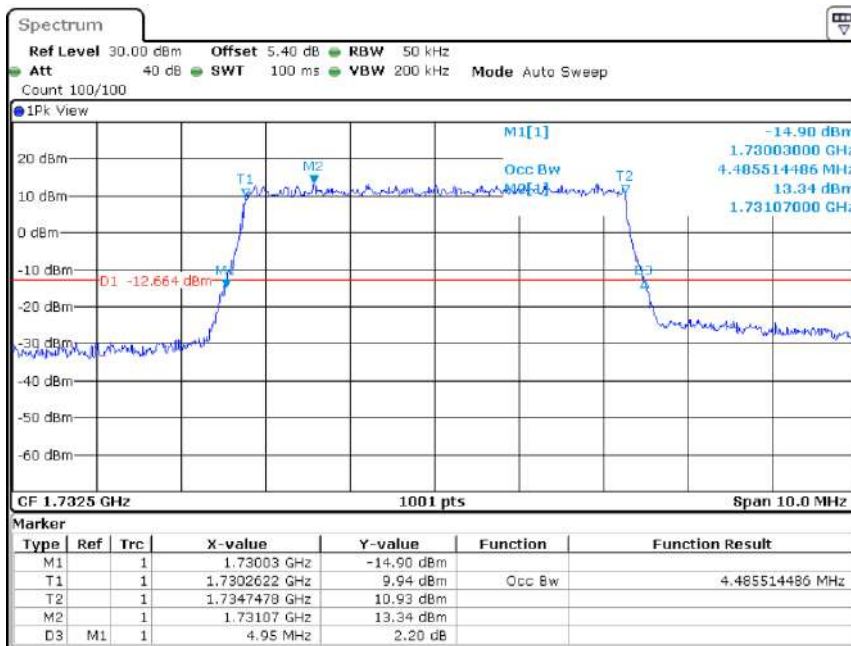
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**Band4-5MHz-16QAM-19975-25RB#0-4.476**



Date: 7 SEP.2020 10:48:05

**Band4-5MHz-16QAM-20175-25RB#0-4.486**

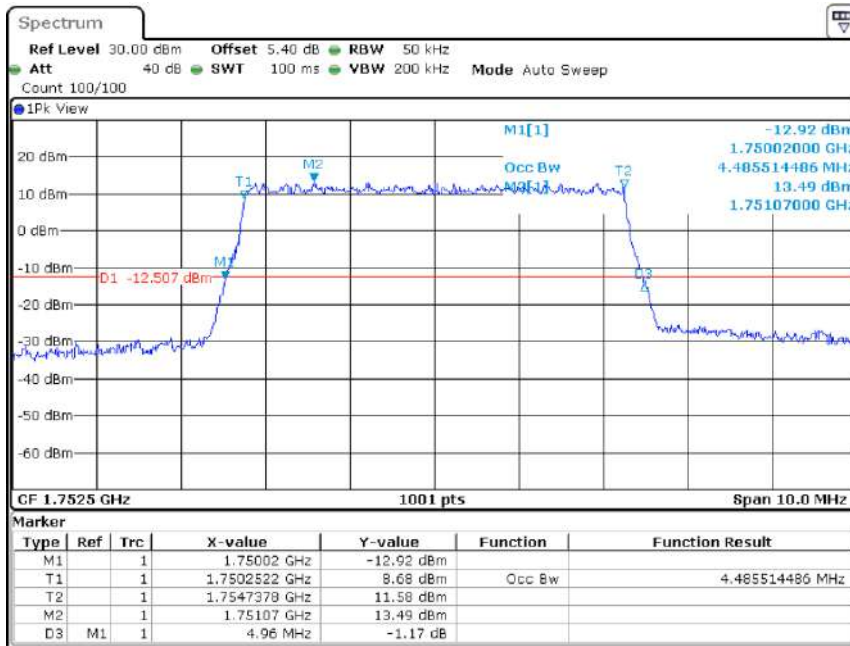


Date: 7 SEP.2020 10:49:44



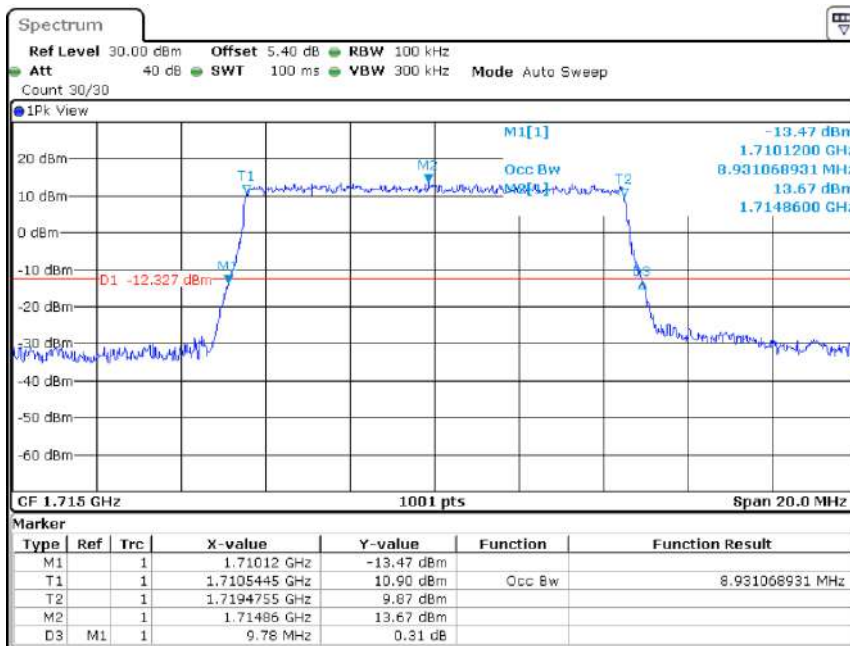
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**Band4-5MHz-16QAM-20375-25RB#0-4.486**



Date: 7 SEP.2020 10:50:24

**Band4-10MHz-QPSK-20000-50RB#0-8.931**

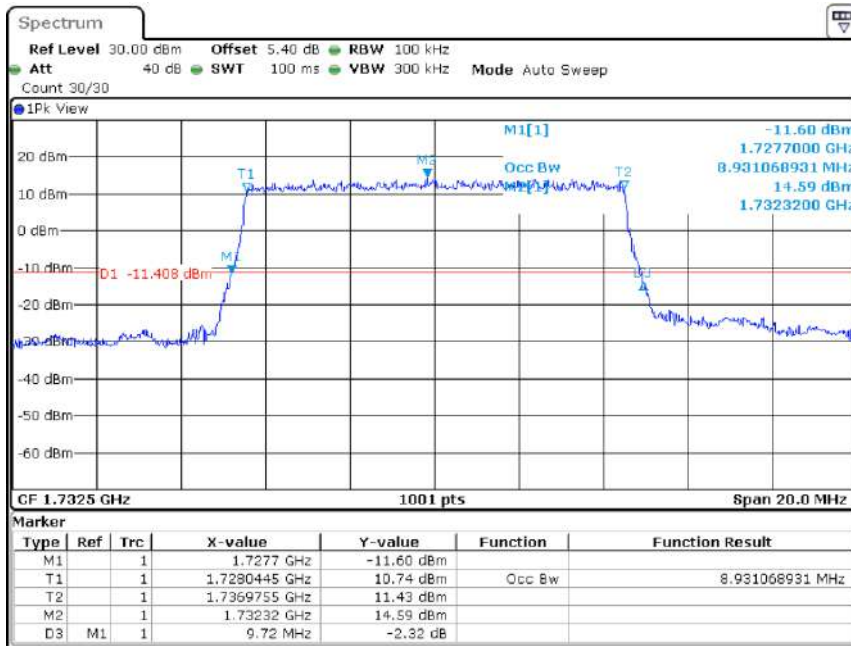


Date: 7 SEP.2020 10:50:43



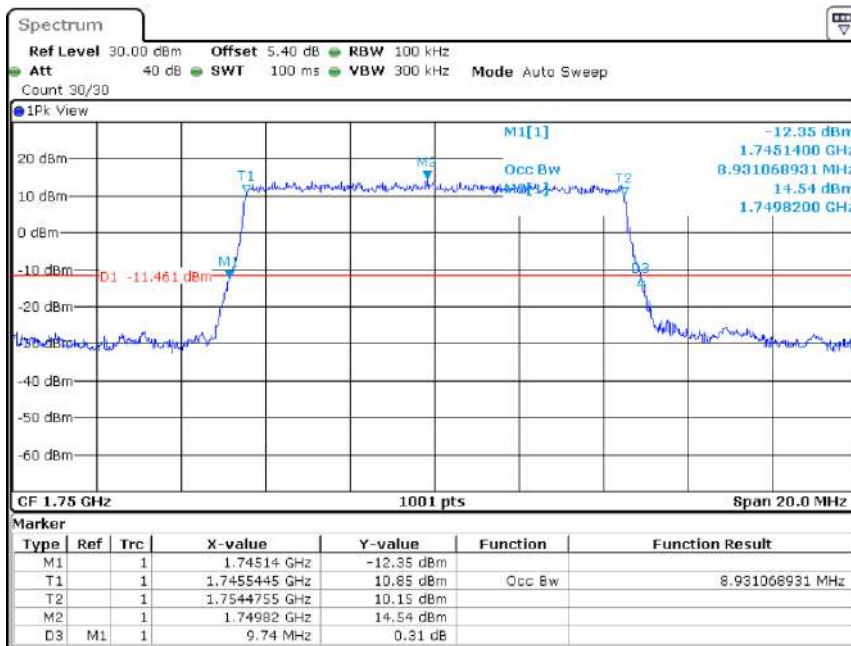
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**Band4-10MHz-QPSK-20175-50RB#0-8.931**



Date: 7 SEP.2020 10:51:09

**Band4-10MHz-QPSK-20350-50RB#0-8.931**

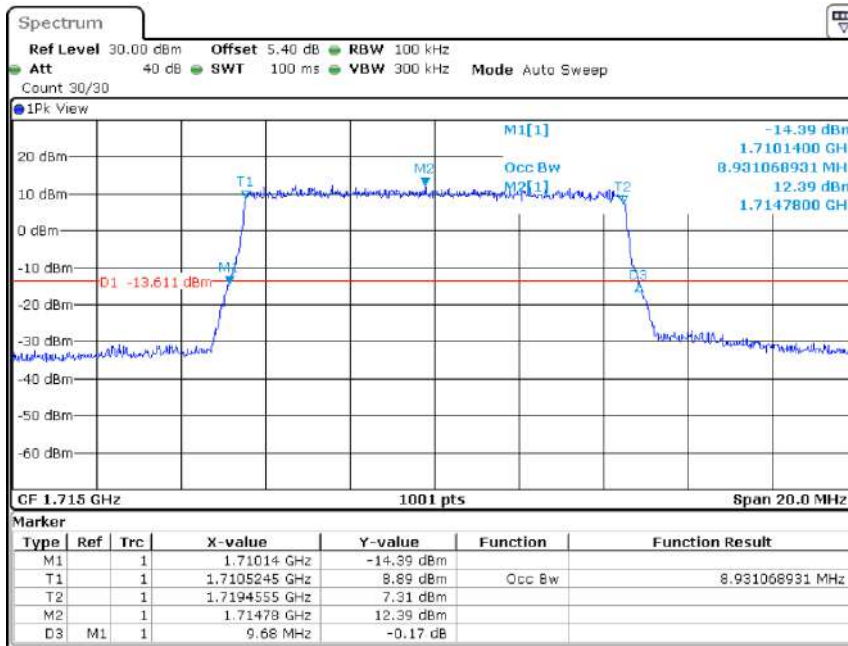


Date: 7 SEP.2020 10:51:35



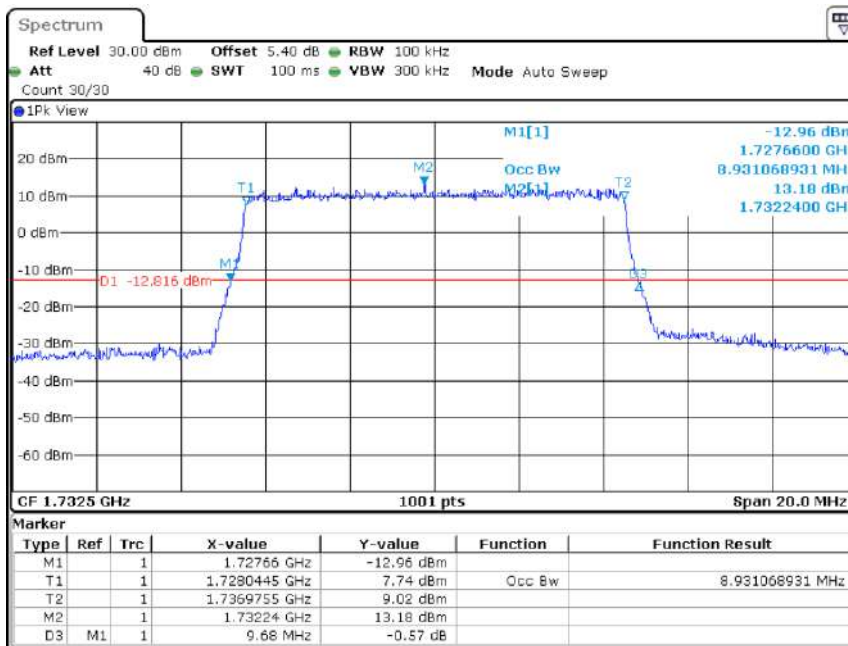
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**Band4-10MHz-64QAM-2000-50RB#0-8.931**



Date: 7 SEP.2020 12:32:05

**Band4-10MHz-64QAM-20175-50RB#0-8.931**

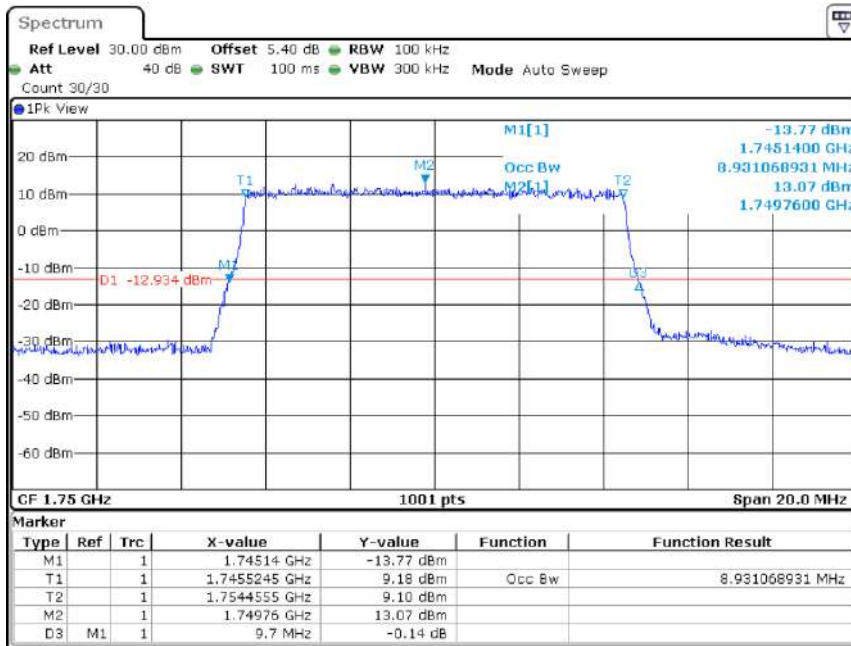


Date: 7 SEP.2020 12:32:19



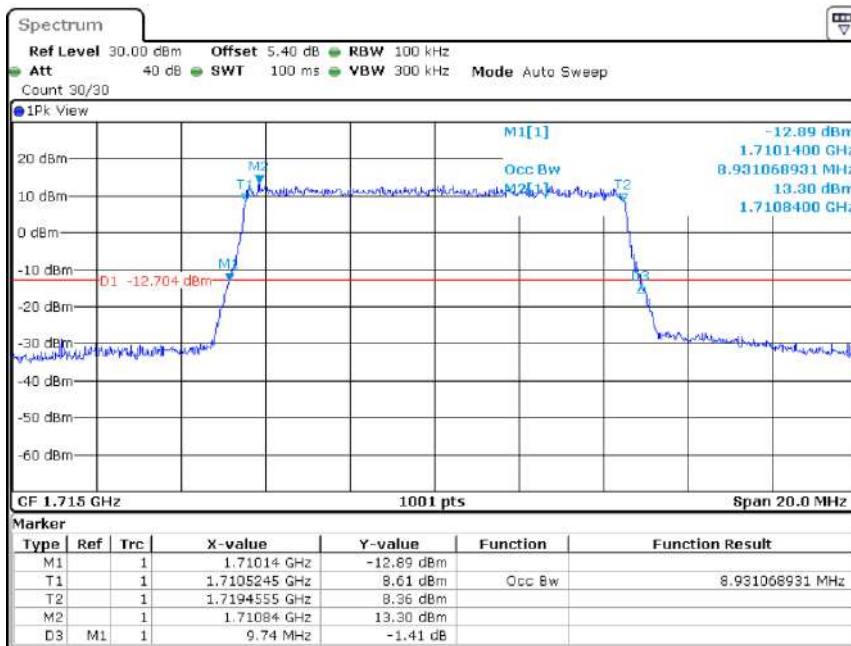
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**Band4-10MHz-64QAM-20350-50RB#0-8.931**



Date: 7 SEP.2020 12:32:32

**Band4-10MHz-16QAM-20000-50RB#0-8.931**



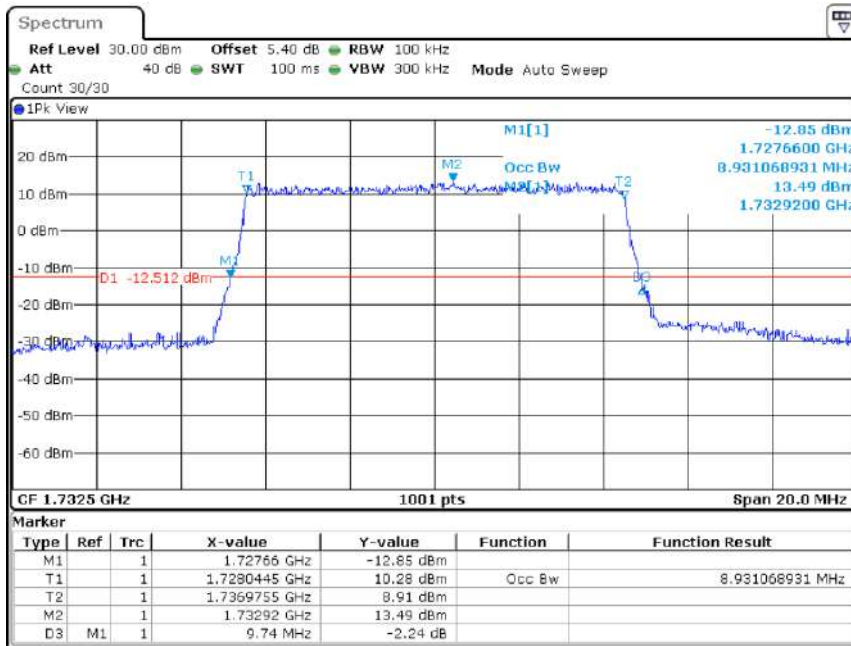
Date: 7 SEP.2020 10:50:56



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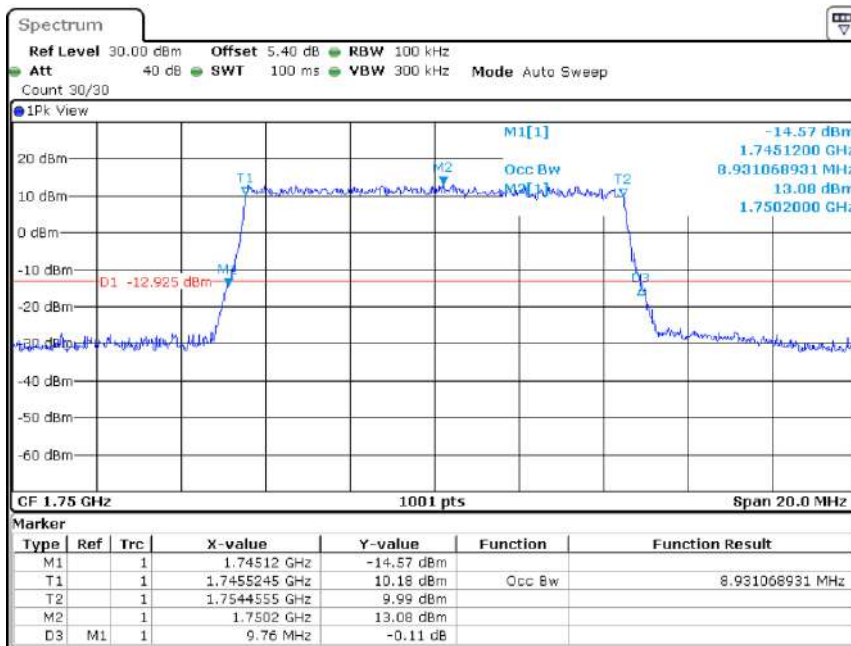
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 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

**Band4-10MHz-16QAM-20175-50RB#0-8.931**



Date: 7 SEP.2020 10:51:22

**Band4-10MHz-16QAM-20350-50RB#0-8.931**

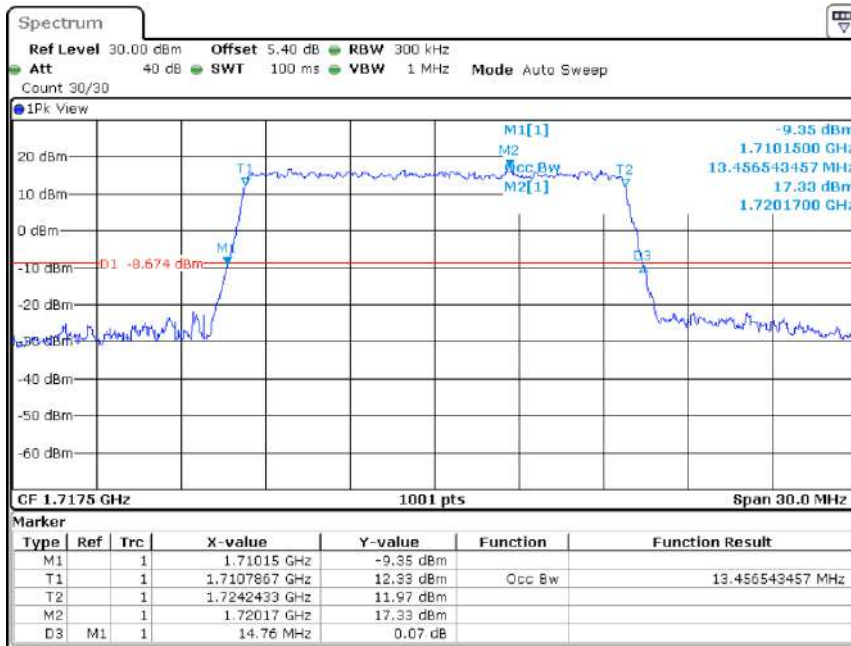


Date: 7 SEP.2020 10:51:47



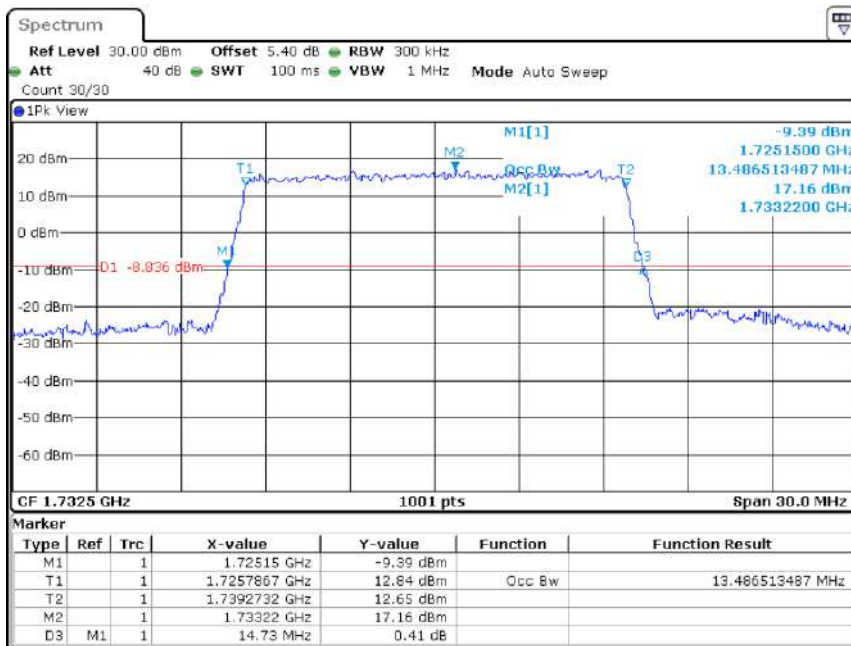
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**Band4-15MHz-QPSK-20025-75RB#0-13.457**



Date: 7 SEP.2020 10:52:06

**Band4-15MHz-QPSK-20175-75RB#0-13.487**

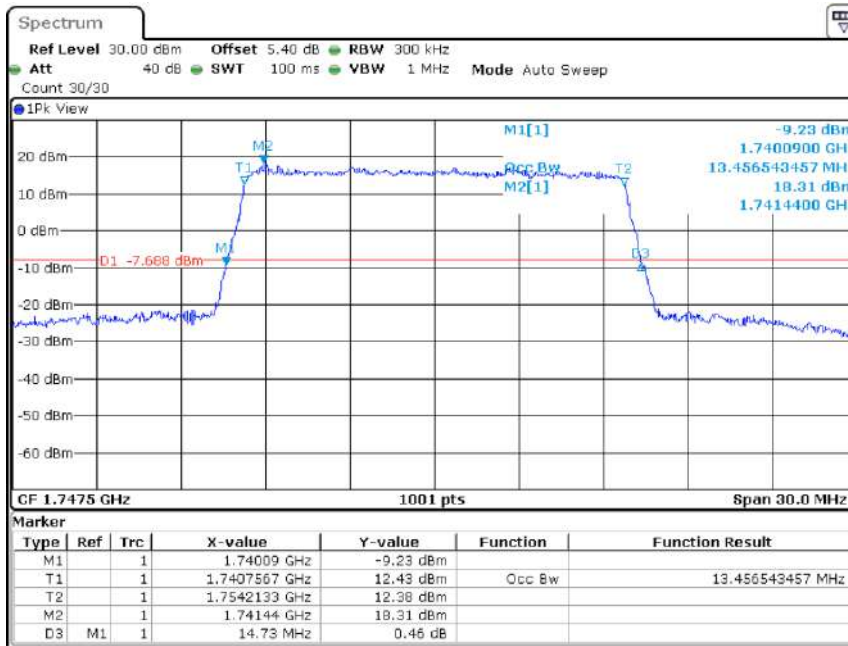


Date: 7 SEP.2020 10:52:32

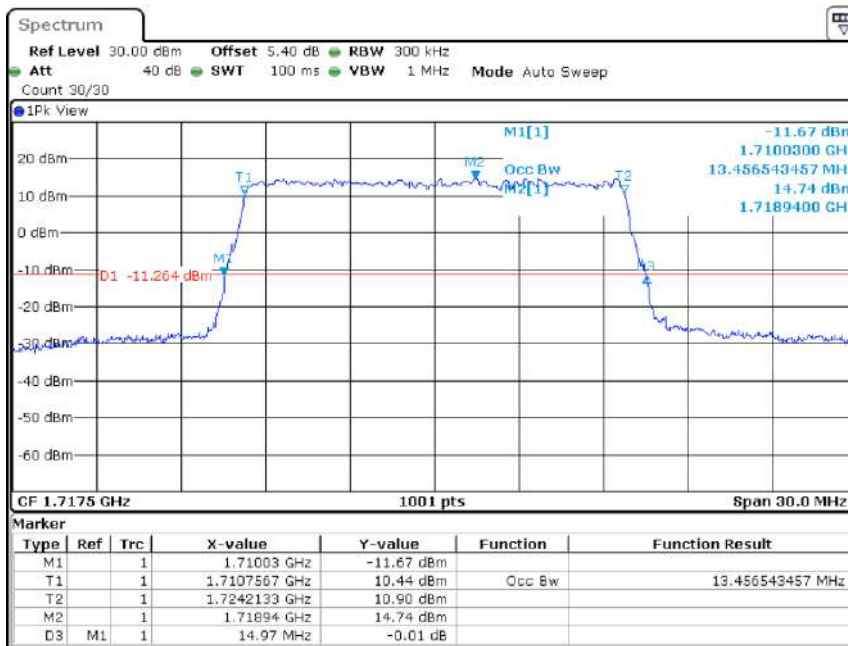


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**Band4-15MHz-QPSK-20325-75RB#0-13.457**

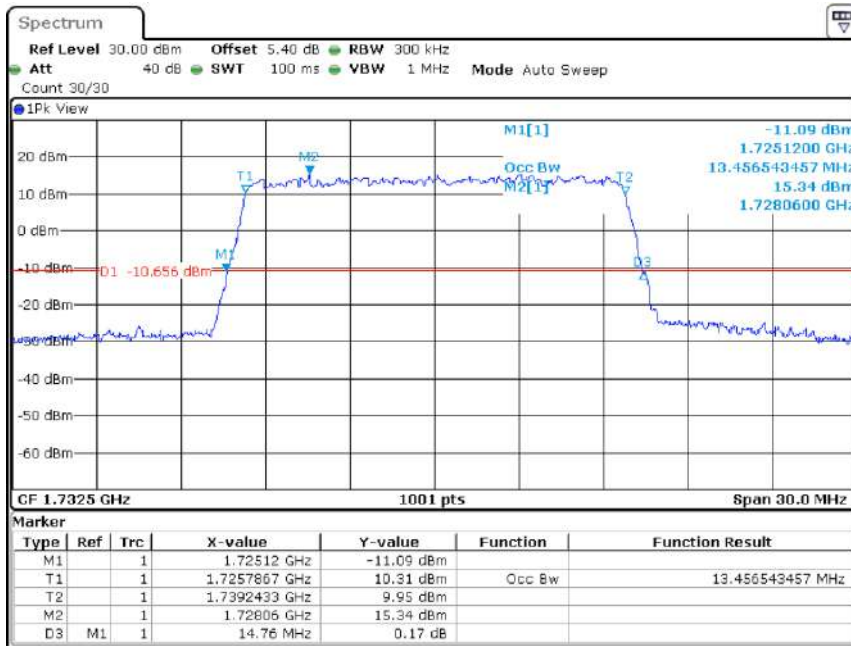


**Band4-15MHz-64QAM-20025-75RB#0-13.457**



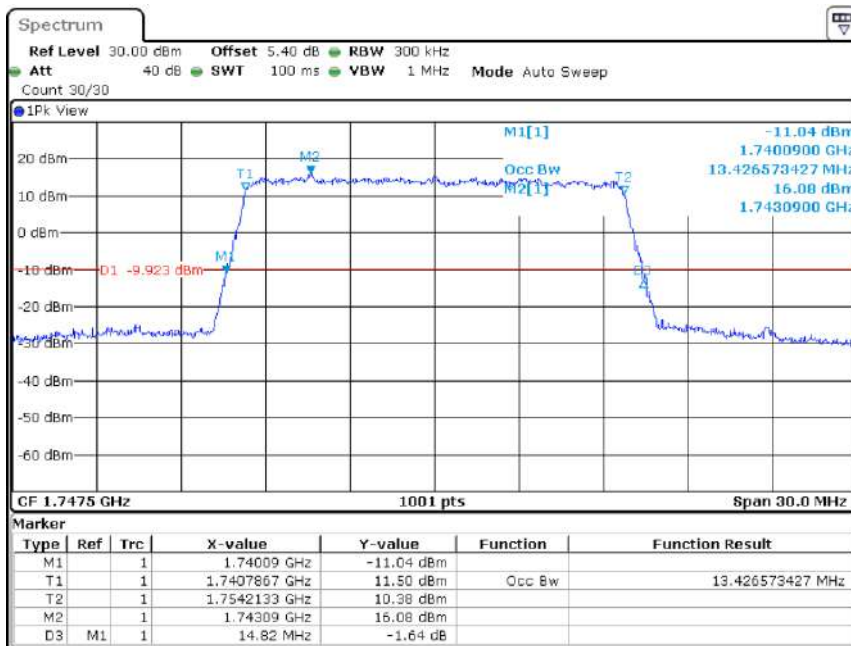
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**Band4-15MHz-64QAM-20175-75RB#0-13.457**



Date: 7 SEP.2020 12:33:04

**Band4-15MHz-64QAM-20325-75RB#0-13.427**

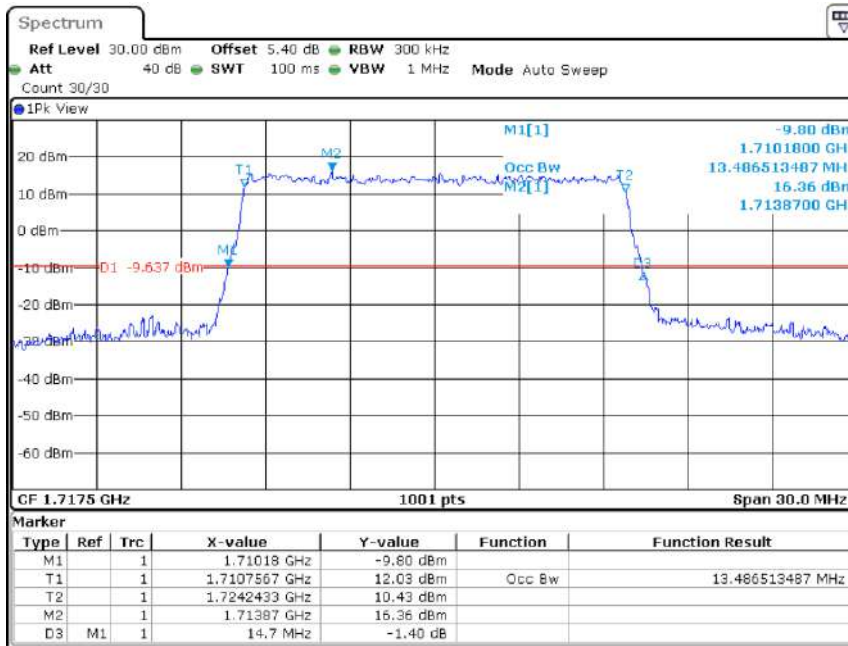


Date: 7 SEP.2020 12:33:17



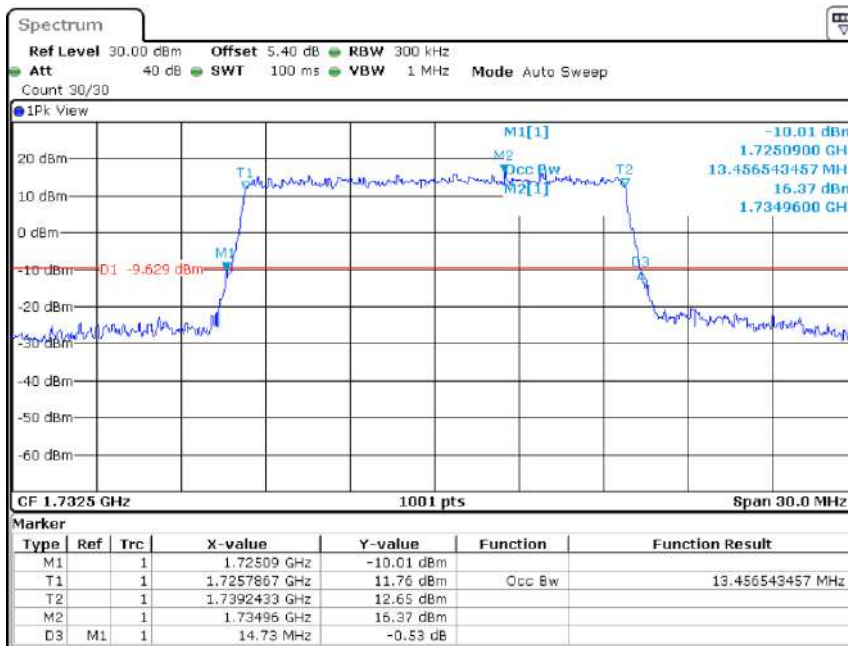
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**Band4-15MHz-16QAM-20025-75RB#0-13.487**



Date: 7 SEP.2020 10:52:19

**Band4-15MHz-16QAM-20175-75RB#0-13.457**

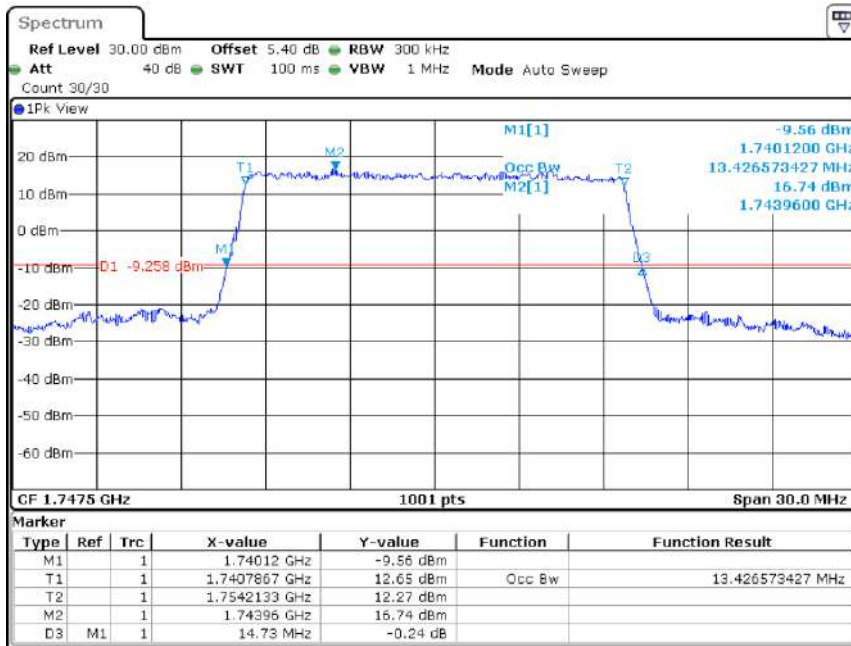


Date: 7 SEP.2020 10:52:44



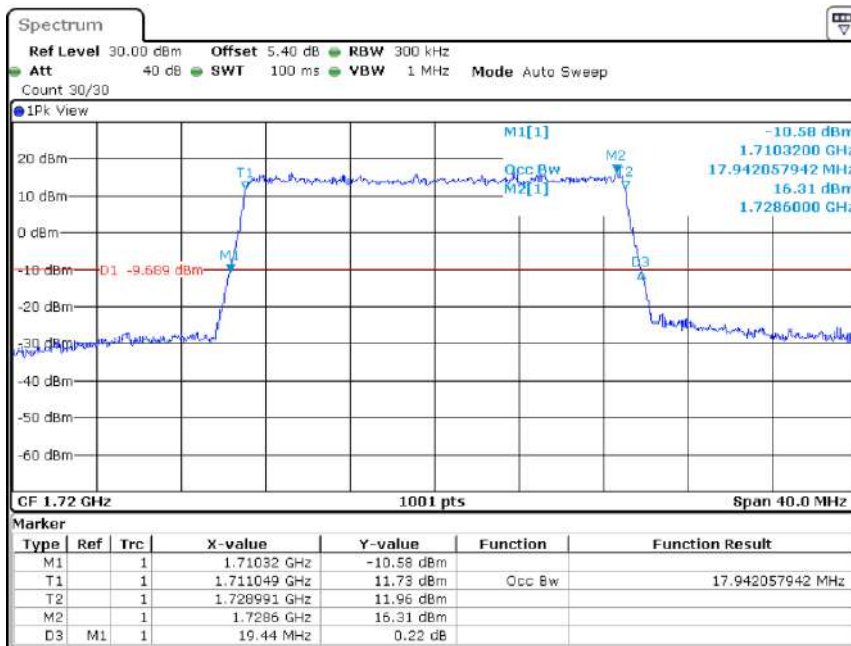
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**Band4-15MHz-16QAM-20325-75RB#0-13.427**



Date: 7 SEP.2020 10:53:10

**Band4-20MHz-QPSK-20050-100RB#0-17.942**

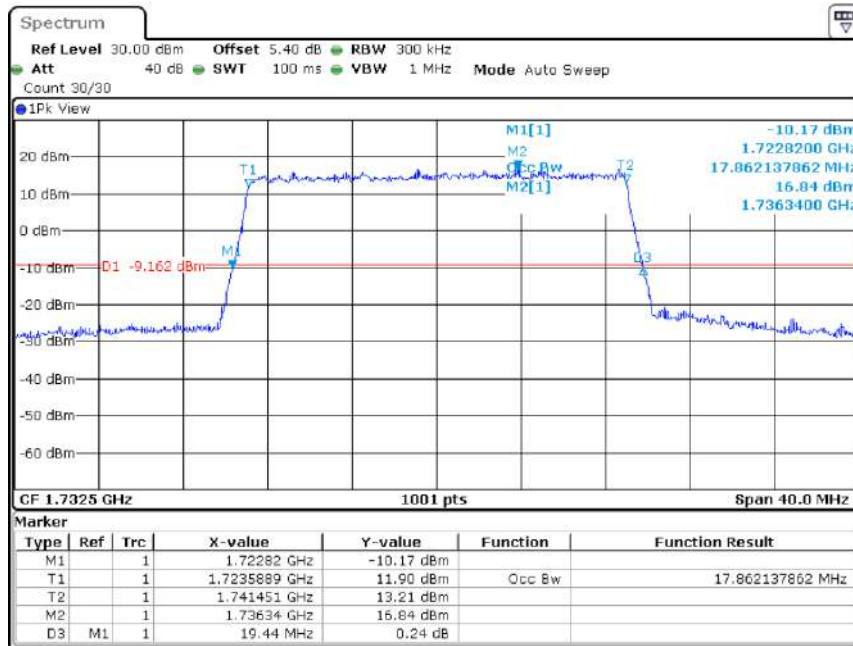


Date: 7 SEP.2020 10:53:28



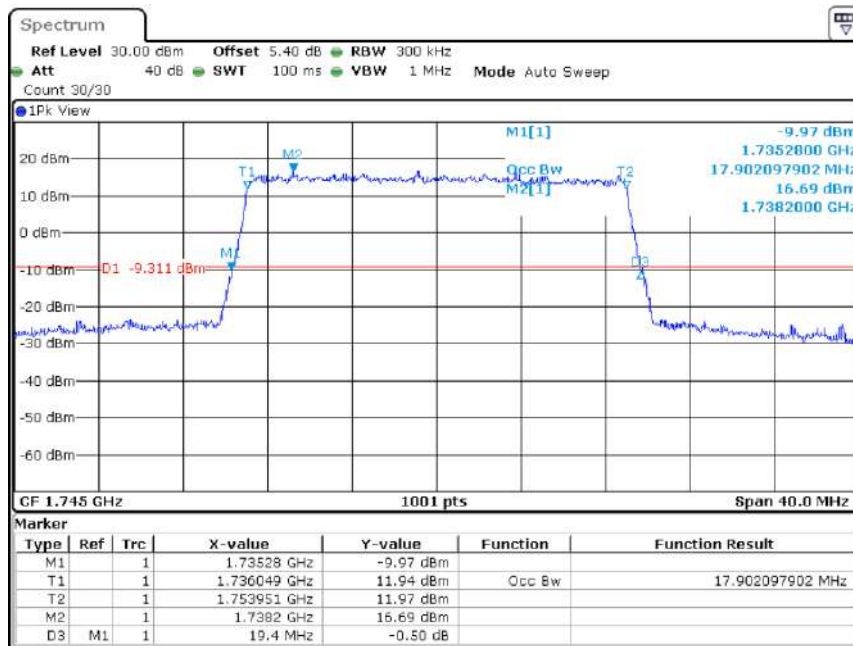
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**Band4-20MHz-QPSK-20175-100RB#0-17.862**



Date: 7 SEP.2020 10:53:55

**Band4-20MHz-QPSK-20300-100RB#0-17.902**

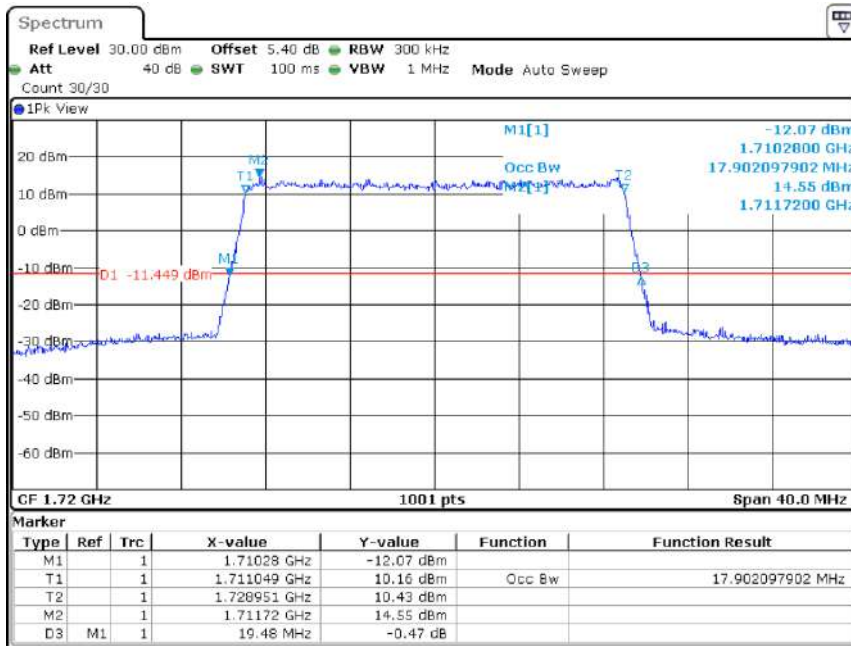


Date: 7 SEP.2020 10:54:21



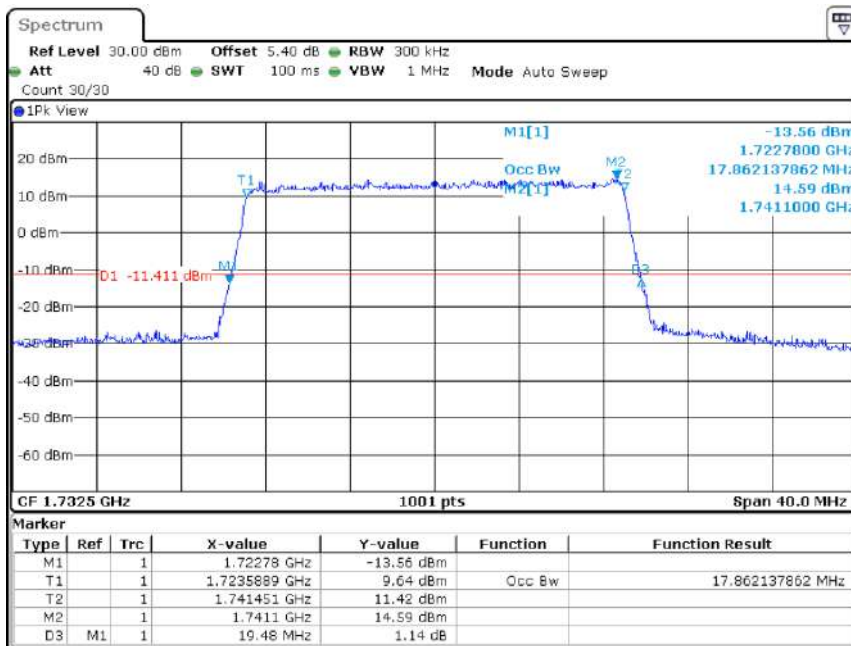
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**Band4-20MHz-64QAM-20050-100RB#0-17.902**



Date: 7 SEP.2020 12:33:38

**Band4-20MHz-64QAM-20175-100RB#0-17.862**

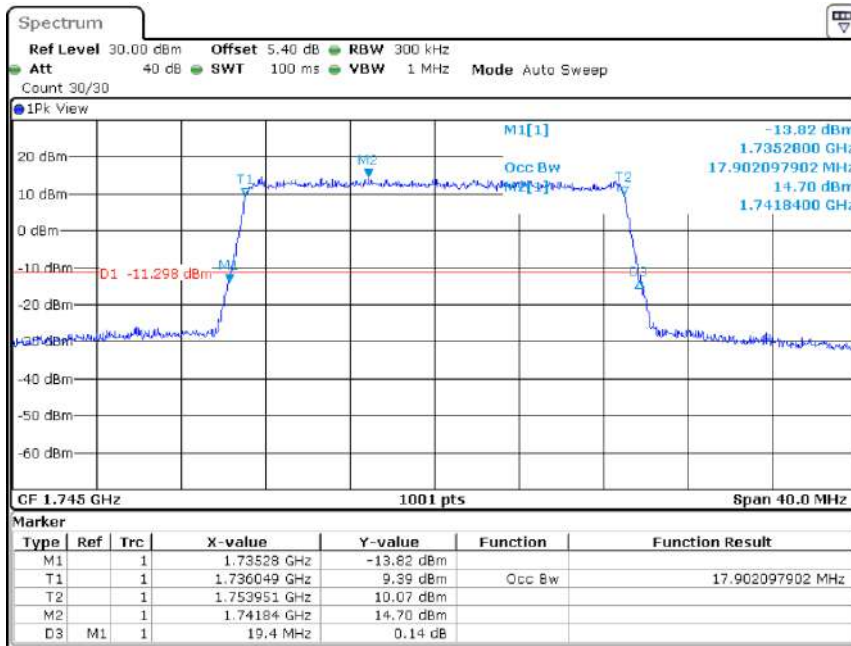


Date: 7 SEP.2020 12:33:51



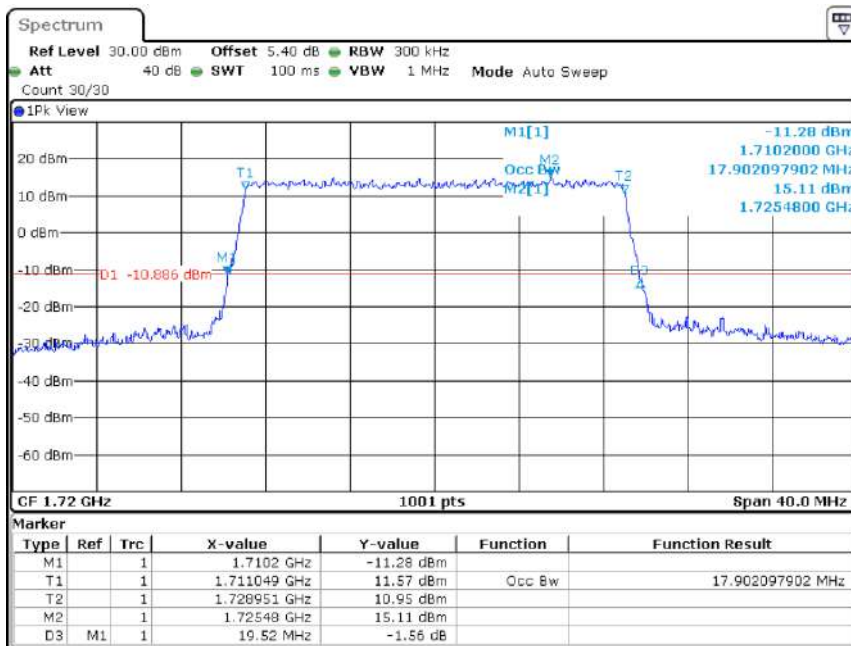
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Band4-20MHz-64QAM-20300-100RB#0-17.902



Date: 7 SEP.2020 12:34:04

Band4-20MHz-16QAM-20050-100RB#0-17.902

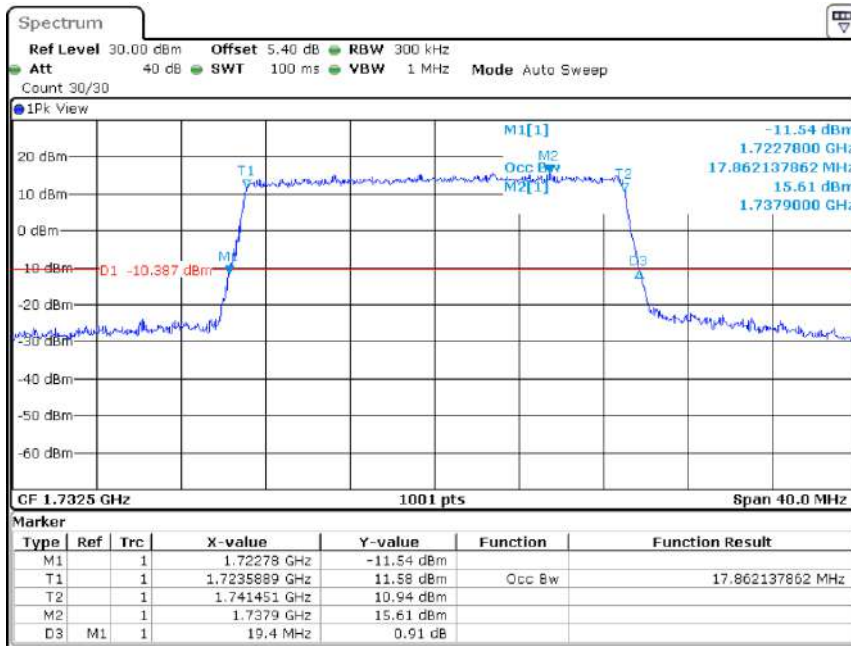


Date: 7 SEP.2020 10:53:41

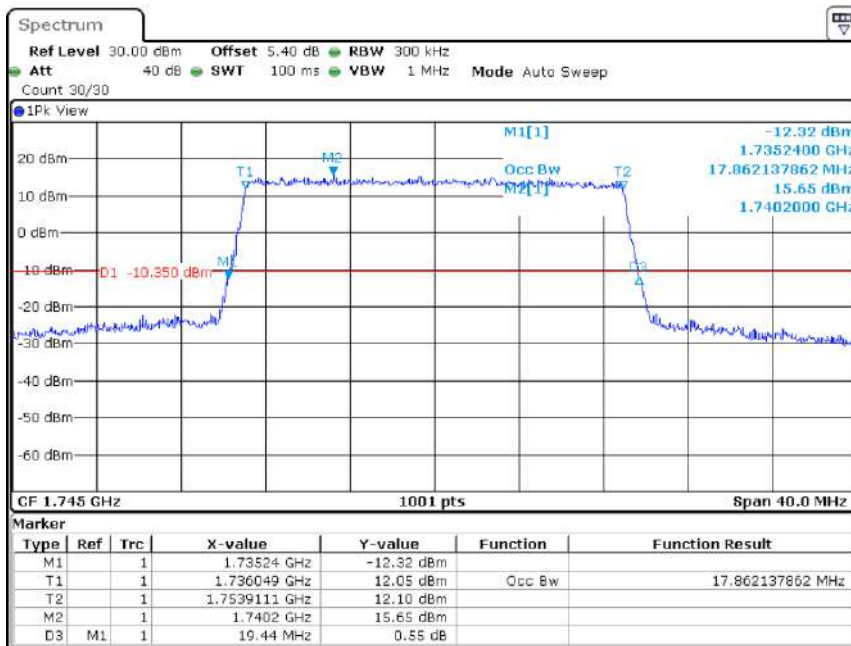


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**Band4-20MHz-16QAM-20175-100RB#0-17.862**



**Band4-20MHz-16QAM-20300-100RB#0-17.862**



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## 5. Band Edge Compliance

### 5.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	-23.46	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	-27.44	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	-23.96	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	-26.89	PASS
Band4	1.4MHz	64QAM	19957	1RB#0	-25.30	PASS
Band4	1.4MHz	64QAM	19957	6RB#0	-30.52	PASS
Band4	1.4MHz	64QAM	20393	1RB#5	-24.70	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	-29.53	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	-23.12	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	-28.32	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	-24.02	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	-28.10	PASS
Band4	3MHz	QPSK	19965	1RB#0	-22.41	PASS
Band4	3MHz	QPSK	19965	15RB#0	-29.59	PASS
Band4	3MHz	QPSK	20385	1RB#14	-23.84	PASS
Band4	3MHz	QPSK	20385	15RB#0	-27.87	PASS
Band4	3MHz	64QAM	19965	1RB#0	-24.21	PASS
Band4	3MHz	64QAM	19965	15RB#0	-31.53	PASS
Band4	3MHz	64QAM	20385	1RB#14	-24.13	PASS
Band4	3MHz	64QAM	20385	15RB#0	-29.75	PASS
Band4	3MHz	16QAM	19965	1RB#0	-22.09	PASS
Band4	3MHz	16QAM	19965	15RB#0	-30.69	PASS
Band4	3MHz	16QAM	20385	1RB#14	-24.48	PASS
Band4	3MHz	16QAM	20385	15RB#0	-29.69	PASS
Band4	5MHz	QPSK	19975	1RB#0	-22.60	PASS
Band4	5MHz	QPSK	19975	25RB#0	-29.96	PASS
Band4	5MHz	QPSK	20375	1RB#24	-23.20	PASS
Band4	5MHz	QPSK	20375	25RB#0	-29.08	PASS
Band4	5MHz	64QAM	19975	1RB#0	-24.33	PASS
Band4	5MHz	64QAM	19975	25RB#0	-31.74	PASS
Band4	5MHz	64QAM	20375	1RB#24	-23.04	PASS
Band4	5MHz	64QAM	20375	25RB#0	-30.22	PASS



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Band4	5MHz	16QAM	19975	1RB#0	-22.87	PASS
Band4	5MHz	16QAM	19975	25RB#0	-30.42	PASS
Band4	5MHz	16QAM	20375	1RB#24	-22.80	PASS
Band4	5MHz	16QAM	20375	25RB#0	-29.66	PASS
Band4	10MHz	QPSK	20000	1RB#0	-31.79	PASS
Band4	10MHz	QPSK	20000	50RB#0	-34.47	PASS
Band4	10MHz	QPSK	20350	1RB#49	-30.97	PASS
Band4	10MHz	QPSK	20350	50RB#0	-32.47	PASS
Band4	10MHz	64QAM	20000	1RB#0	-33.74	PASS
Band4	10MHz	64QAM	20000	50RB#0	-35.12	PASS
Band4	10MHz	64QAM	20350	1RB#49	-33.76	PASS
Band4	10MHz	64QAM	20350	50RB#0	-33.51	PASS
Band4	10MHz	16QAM	20000	1RB#0	-31.52	PASS
Band4	10MHz	16QAM	20000	50RB#0	-35.10	PASS
Band4	10MHz	16QAM	20350	1RB#49	-33.30	PASS
Band4	10MHz	16QAM	20350	50RB#0	-32.99	PASS
Band4	15MHz	QPSK	20025	1RB#0	-26.80	PASS
Band4	15MHz	QPSK	20025	75RB#0	-35.40	PASS
Band4	15MHz	QPSK	20325	1RB#74	-26.39	PASS
Band4	15MHz	QPSK	20325	75RB#0	-32.84	PASS
Band4	15MHz	64QAM	20025	1RB#0	-27.71	PASS
Band4	15MHz	64QAM	20025	75RB#0	-36.17	PASS
Band4	15MHz	64QAM	20325	1RB#74	-27.05	PASS
Band4	15MHz	64QAM	20325	75RB#0	-34.30	PASS
Band4	15MHz	16QAM	20025	1RB#0	-27.36	PASS
Band4	15MHz	16QAM	20025	75RB#0	-35.78	PASS
Band4	15MHz	16QAM	20325	1RB#74	-26.08	PASS
Band4	15MHz	16QAM	20325	75RB#0	-33.41	PASS
Band4	20MHz	QPSK	20050	1RB#0	-28.35	PASS
Band4	20MHz	QPSK	20050	100RB#0	-36.49	PASS
Band4	20MHz	QPSK	20300	1RB#99	-27.62	PASS
Band4	20MHz	QPSK	20300	100RB#0	-33.07	PASS
Band4	20MHz	64QAM	20050	1RB#0	-29.45	PASS
Band4	20MHz	64QAM	20050	100RB#0	-36.78	PASS
Band4	20MHz	64QAM	20300	1RB#99	-28.82	PASS
Band4	20MHz	64QAM	20300	100RB#0	-35.86	PASS
Band4	20MHz	16QAM	20050	1RB#0	-28.39	PASS
Band4	20MHz	16QAM	20050	100RB#0	-36.24	PASS



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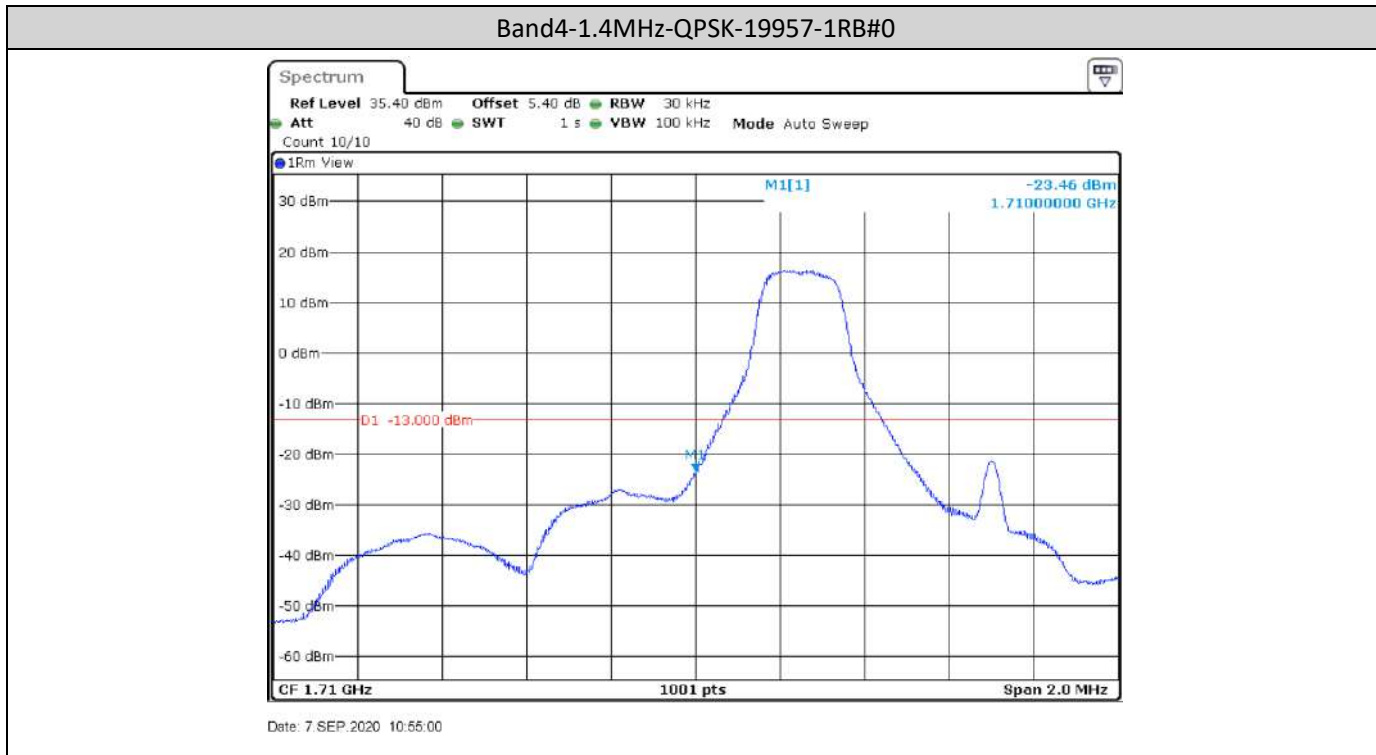
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Band4	20MHz	16QAM	20300	1RB#99	-28.32	PASS
Band4	20MHz	16QAM	20300	100RB#0	-34.59	PASS

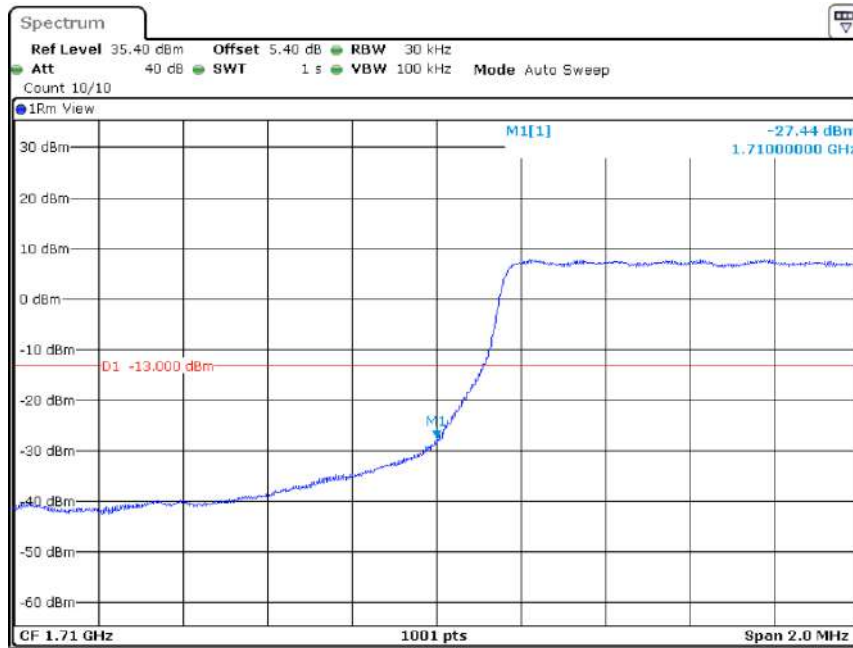
## 5.2. Test Plots



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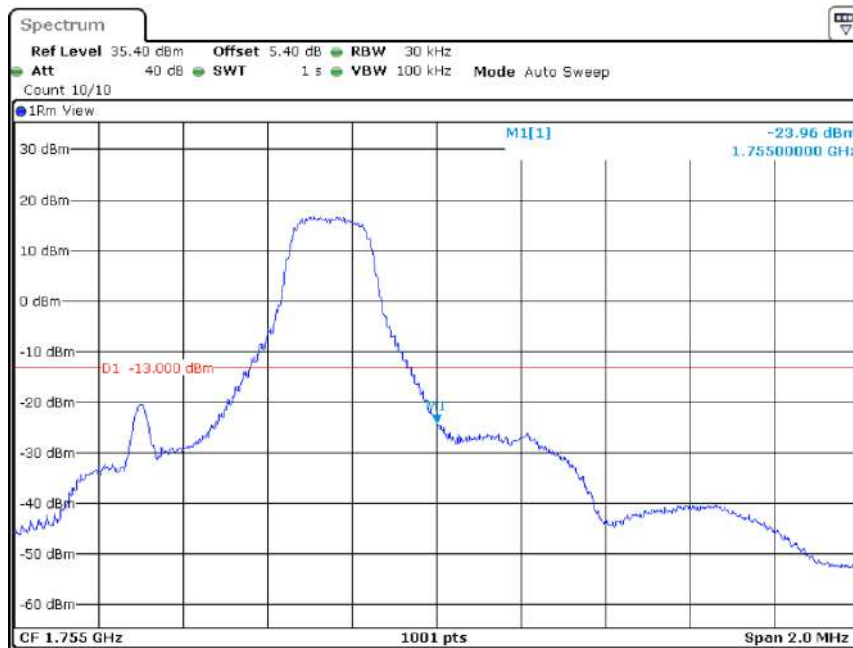
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**Band4-1.4MHz-QPSK-19957-6RB#0**



Date: 7 SEP.2020 10:55:41

**Band4-1.4MHz-QPSK-20393-1RB#5**

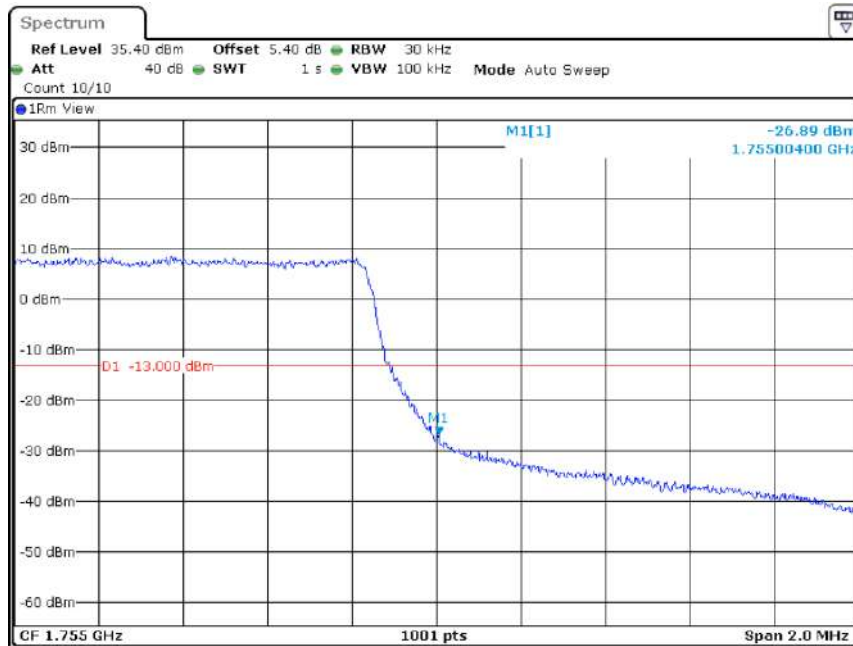


Date: 7 SEP.2020 10:56:27



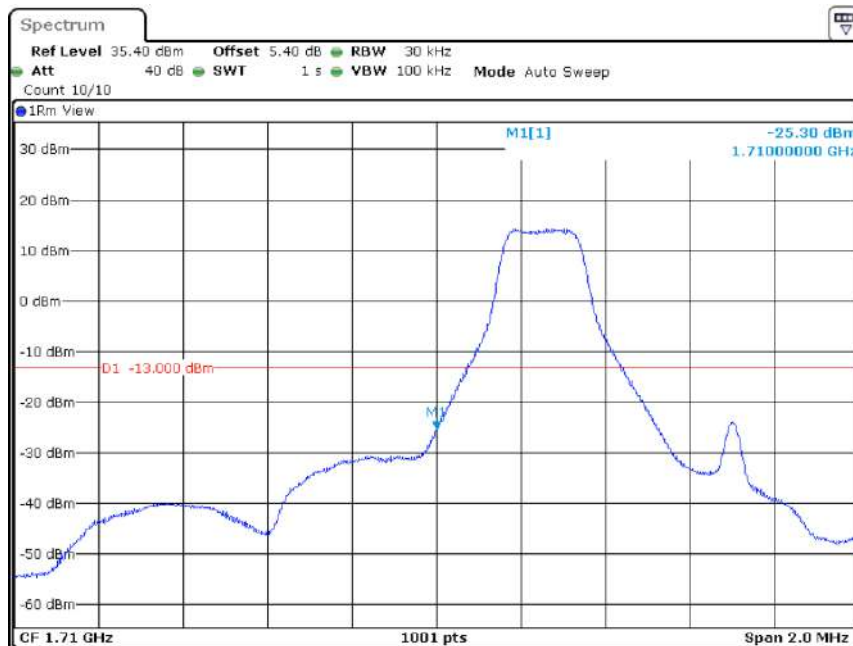
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**Band4-1.4MHz-QPSK-20393-6RB#0**



Date: 7 SEP.2020 10:57:09

**Band4-1.4MHz-64QAM-19957-1RB#0**

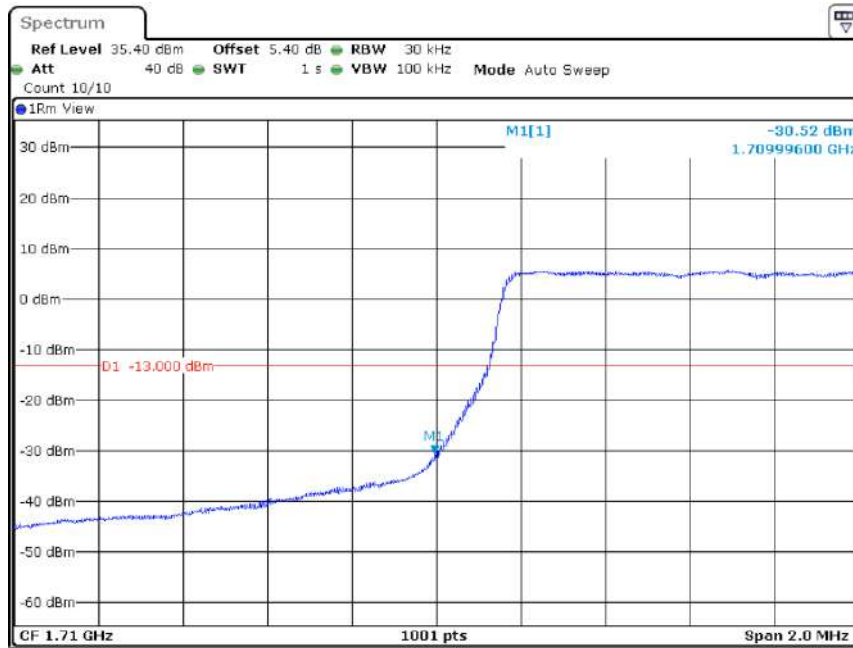


Date: 7 SEP.2020 12:34:32



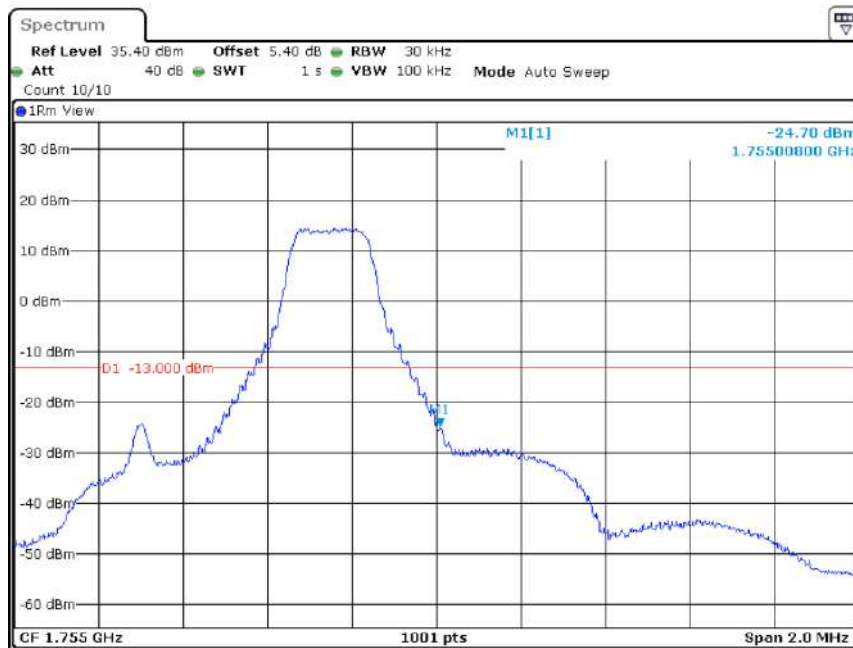
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**Band4-1.4MHz-64QAM-19957-6RB#0**



Date: 7 SEP.2020 12:34:53

**Band4-1.4MHz-64QAM-20393-1RB#5**

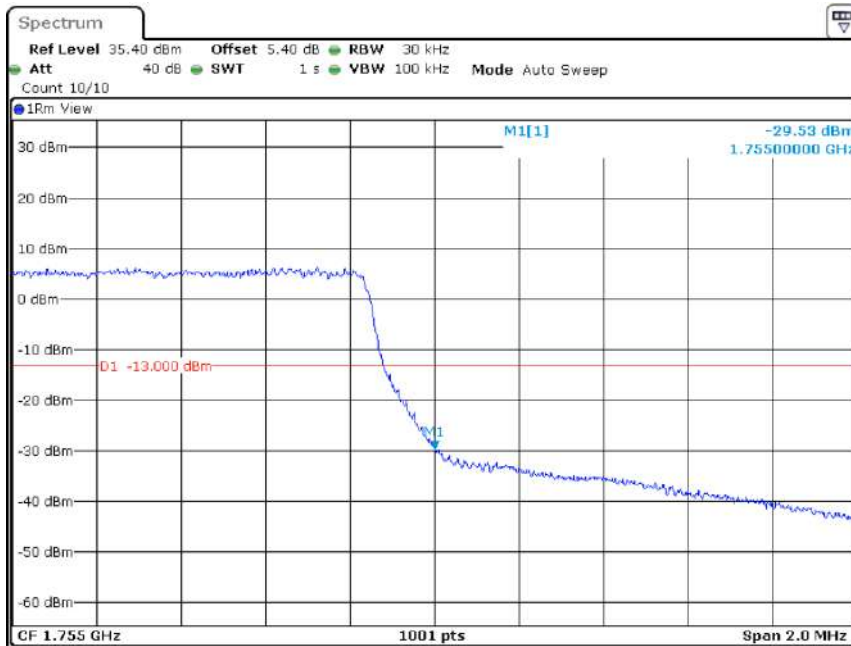


Date: 7 SEP.2020 12:35:19



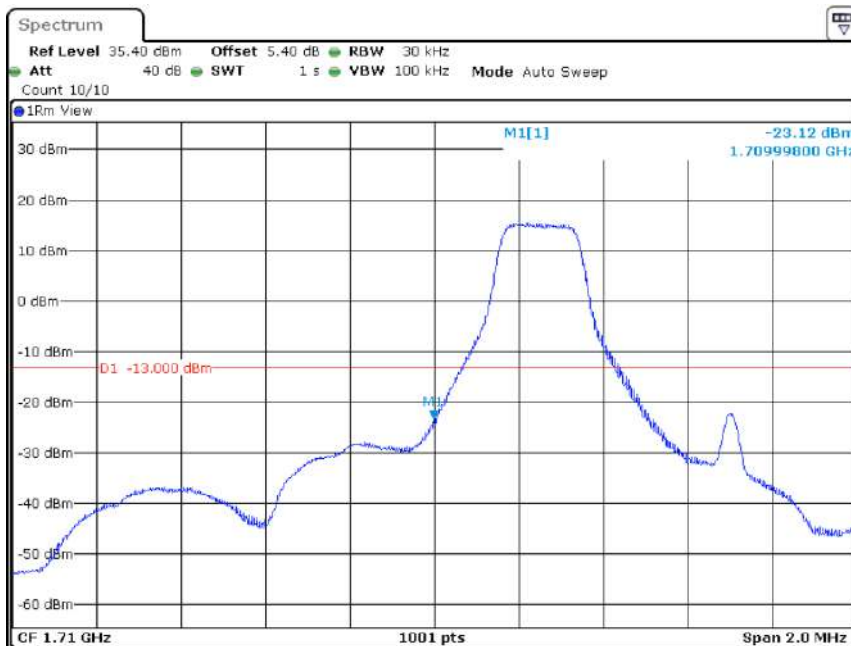
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**Band4-1.4MHz-64QAM-20393-6RB#0**



Date: 7 SEP.2020 12:35:41

**Band4-1.4MHz-16QAM-19957-1RB#0**



Date: 7 SEP.2020 10:55:21

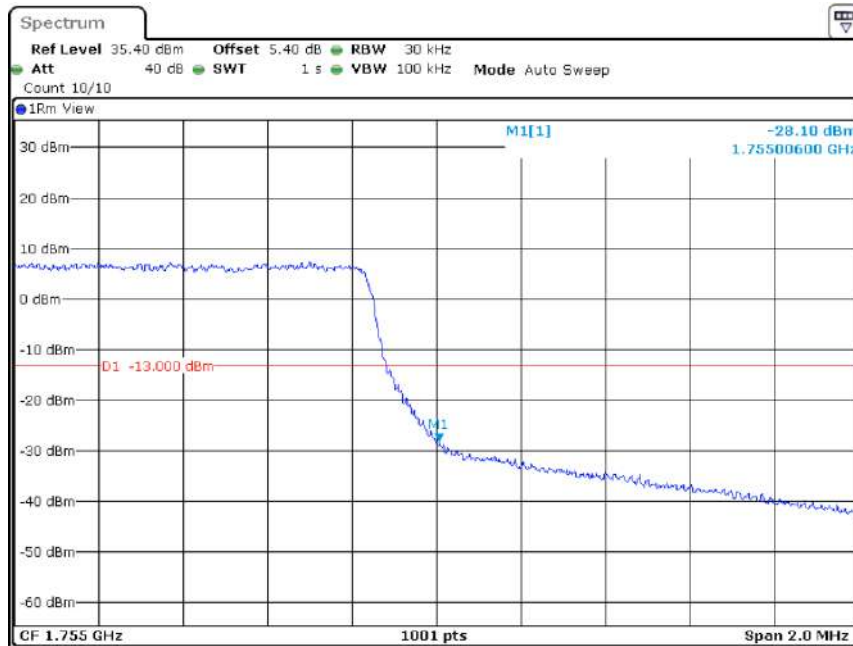


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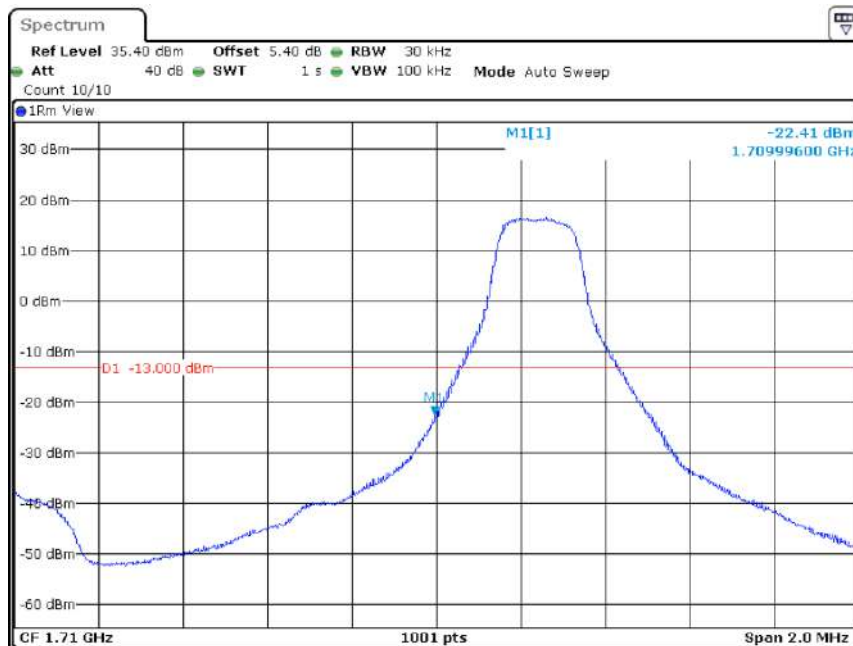


**Band4-1.4MHz-16QAM-20393-6RB#0**



Date: 7 SEP.2020 10:57:29

**Band4-3MHz-QPSK-19965-1RB#0**

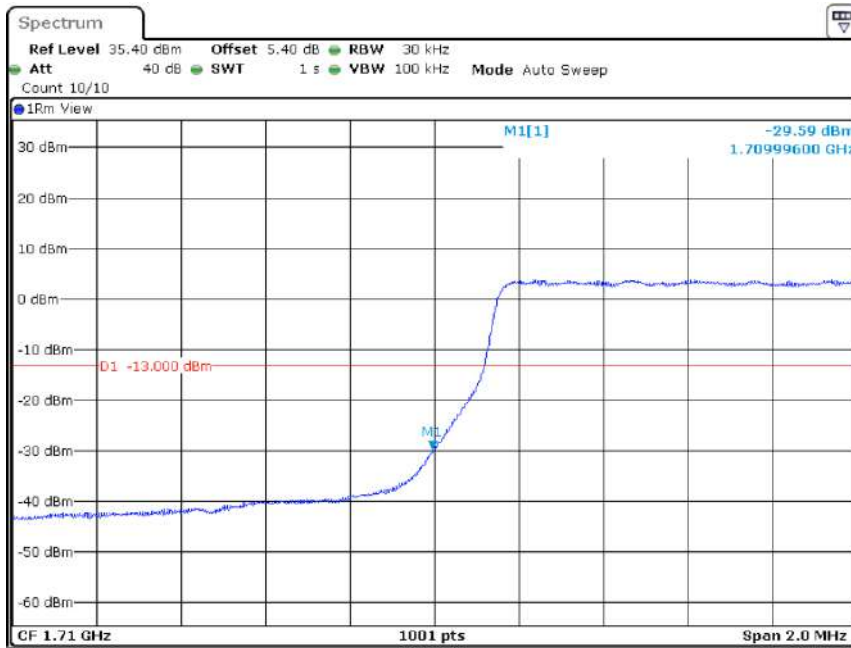


Date: 7 SEP.2020 10:57:56



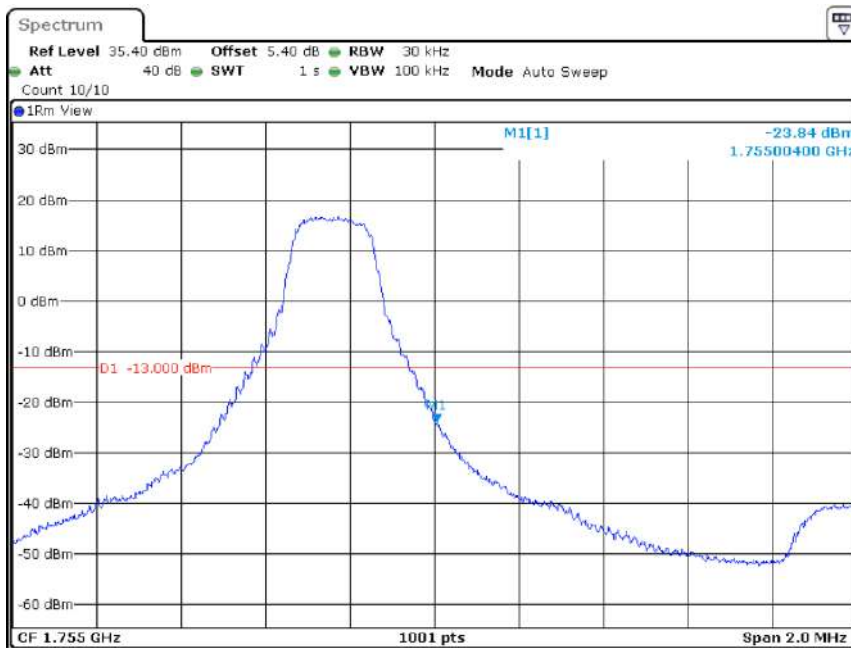
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**Band4-3MHz-QPSK-19965-15RB#0**



Date: 7 SEP.2020 10:58:37

**Band4-3MHz-QPSK-20385-1RB#14**

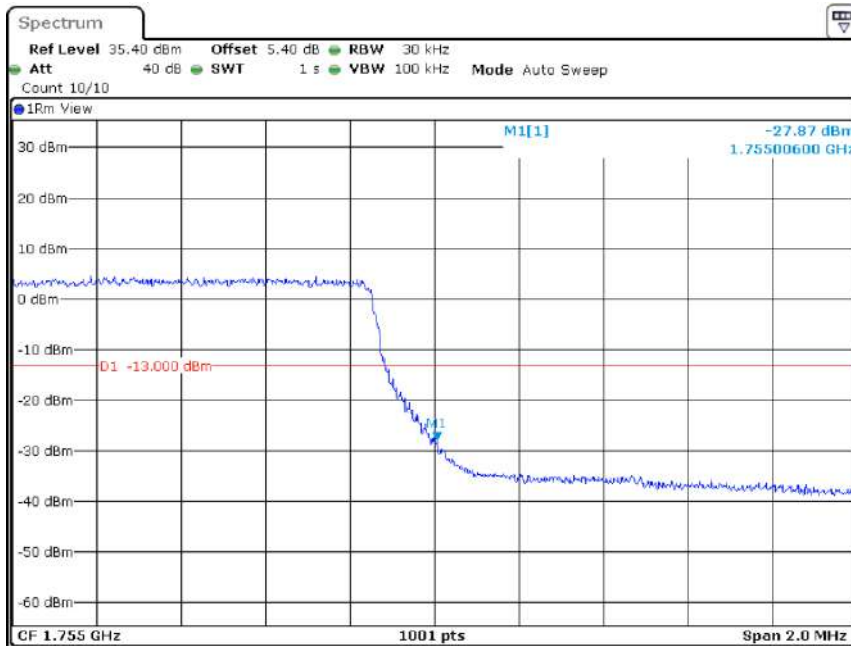


Date: 7 SEP.2020 10:59:23



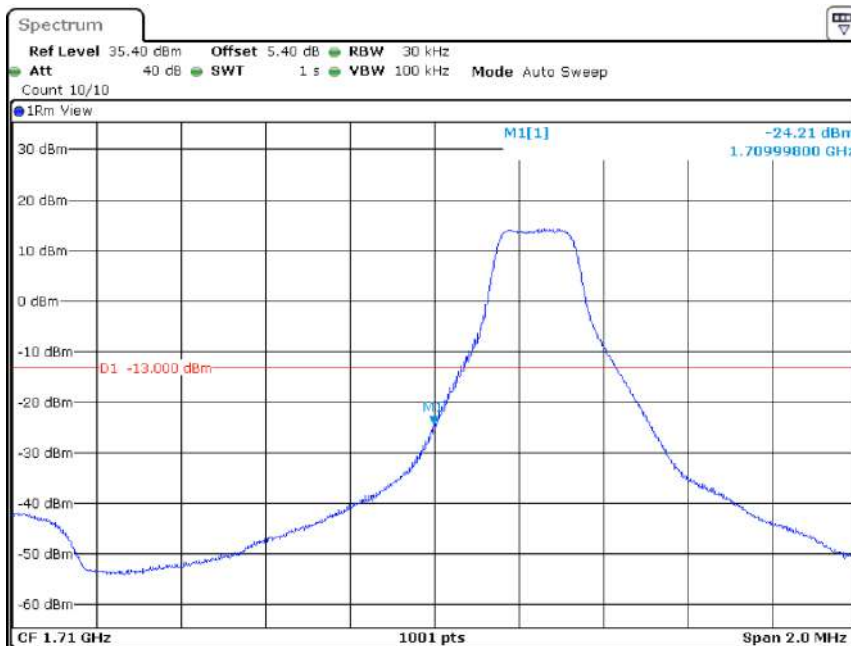
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**Band4-3MHz-QPSK-20385-15RB#0**



Date: 7 SEP.2020 11:00:04

**Band4-3MHz-64QAM-19965-1RB#0**

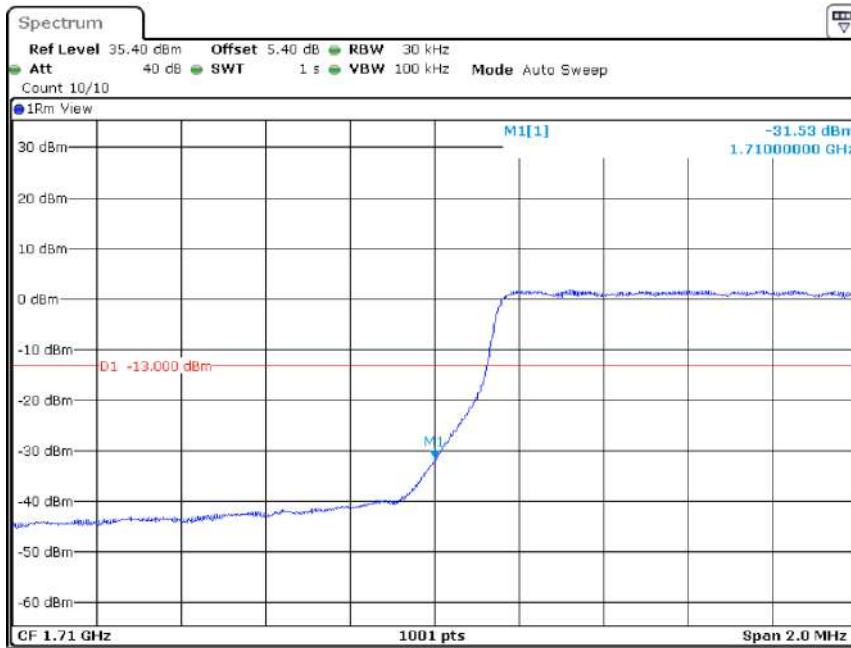


Date: 7 SEP.2020 12:36:08



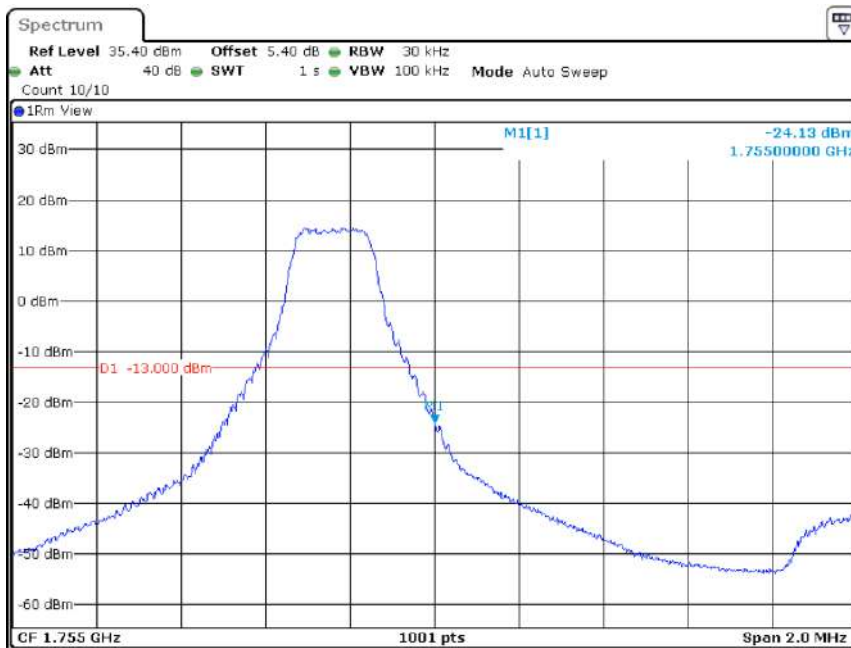
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**Band4-3MHz-64QAM-19965-15RB#0**



Date: 7 SEP.2020 12:36:29

**Band4-3MHz-64QAM-20385-1RB#14**

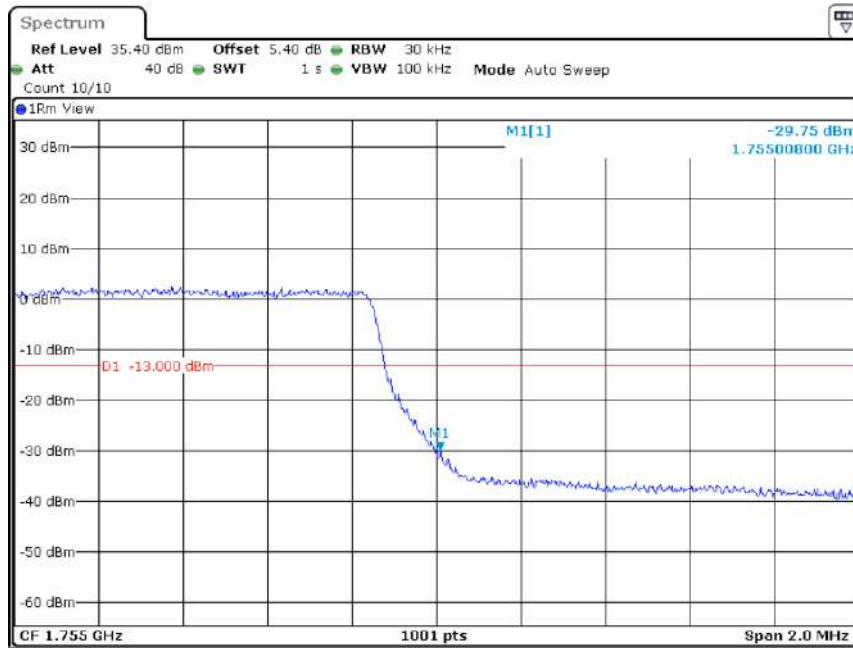


Date: 7 SEP.2020 12:36:55



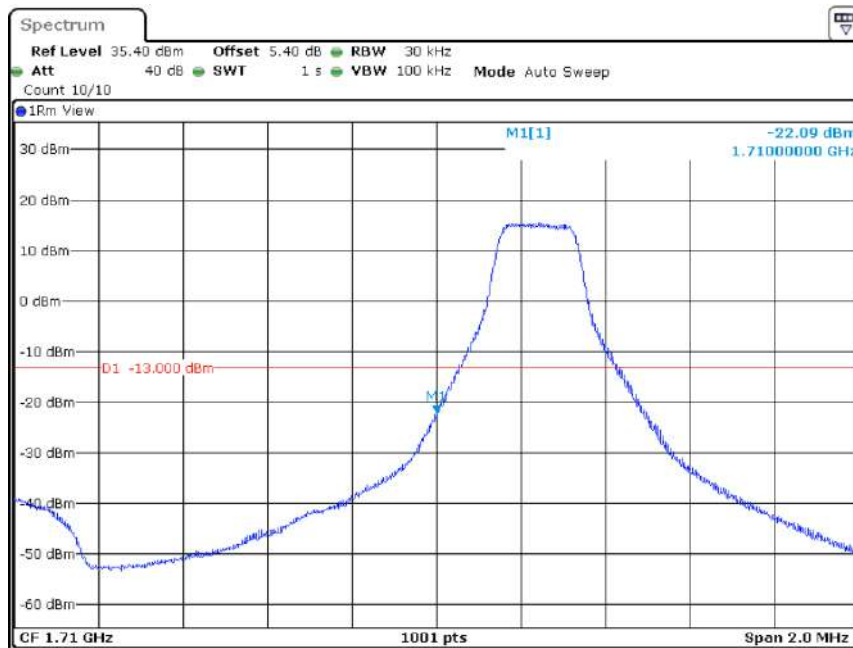
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**Band4-3MHz-64QAM-20385-15RB#0**



Date: 7 SEP.2020 12:37:15

**Band4-3MHz-16QAM-19965-1RB#0**

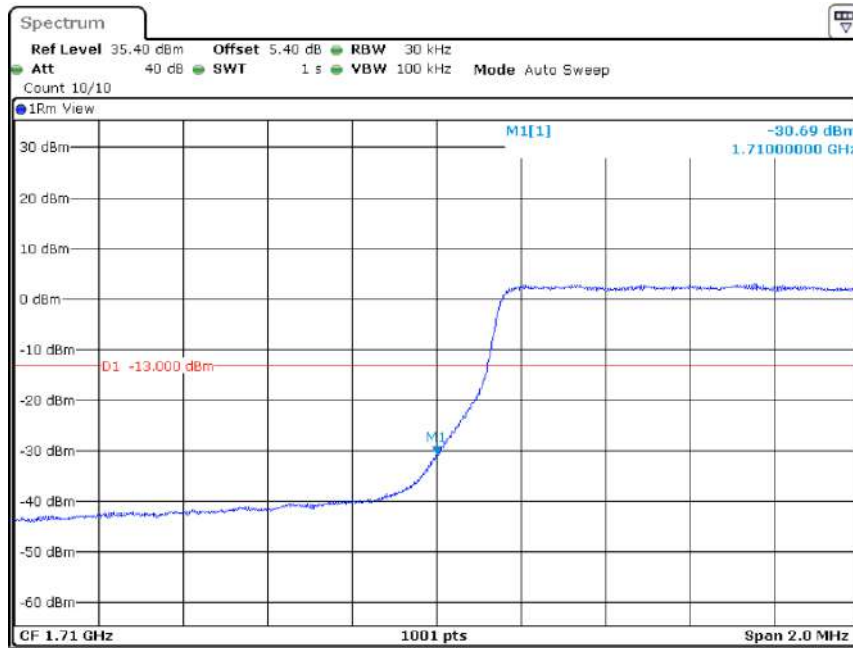


Date: 7 SEP.2020 10:58:17



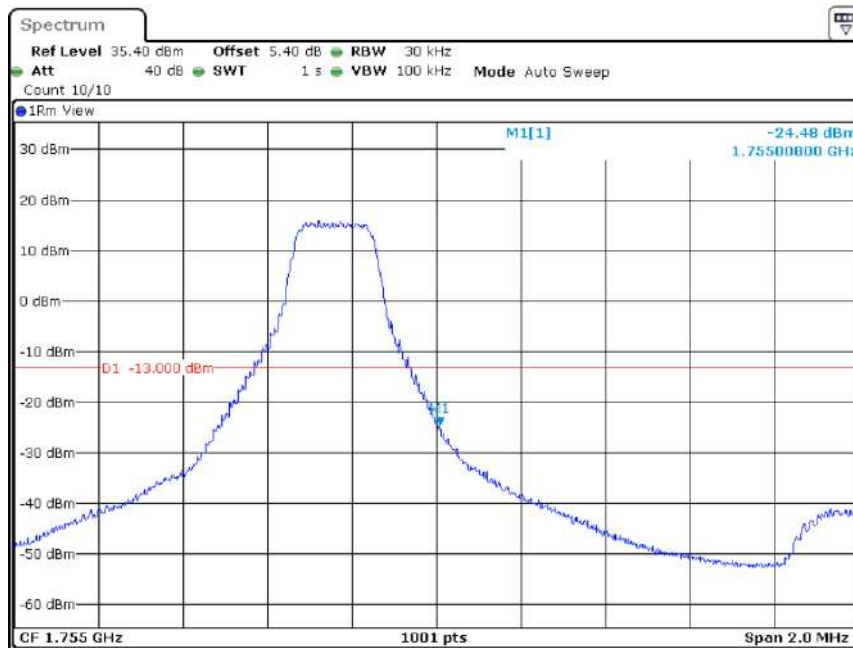
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**Band4-3MHz-16QAM-19965-15RB#0**



Date: 7 SEP.2020 10:58:58

**Band4-3MHz-16QAM-20385-1RB#14**

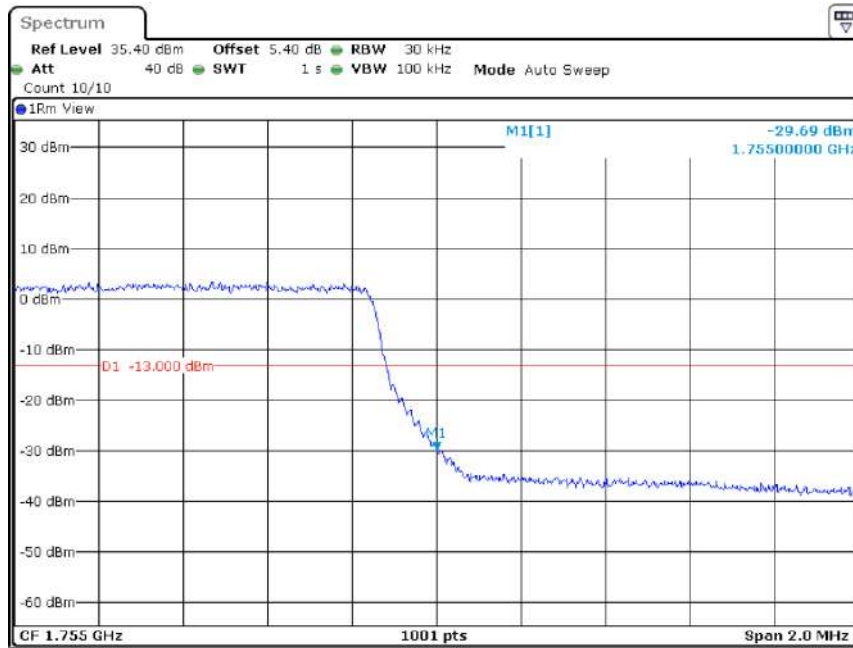


Date: 7 SEP.2020 10:59:44



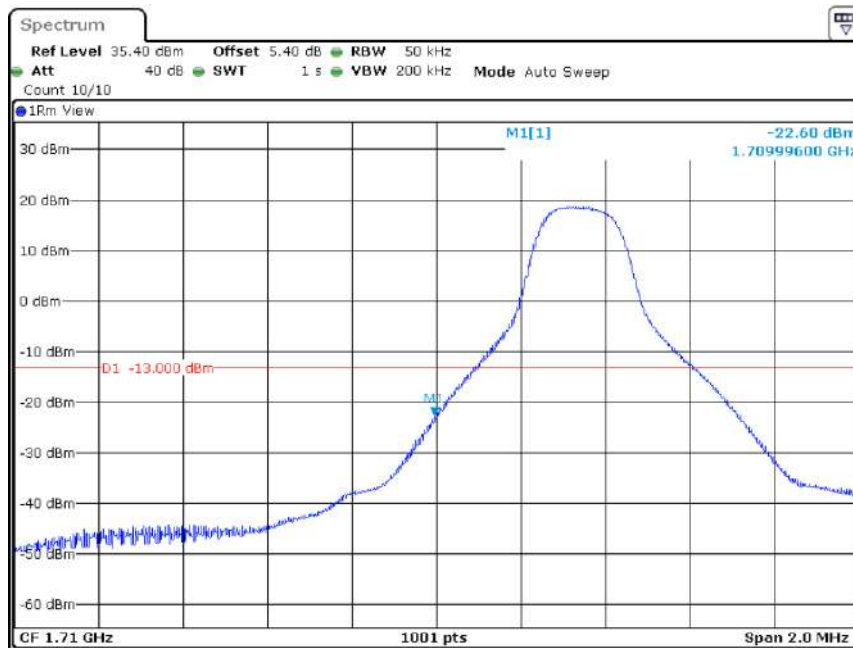
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**Band4-3MHz-16QAM-20385-15RB#0**



Date: 7 SEP.2020 11:00:25

**Band4-5MHz-QPSK-19975-1RB#0**



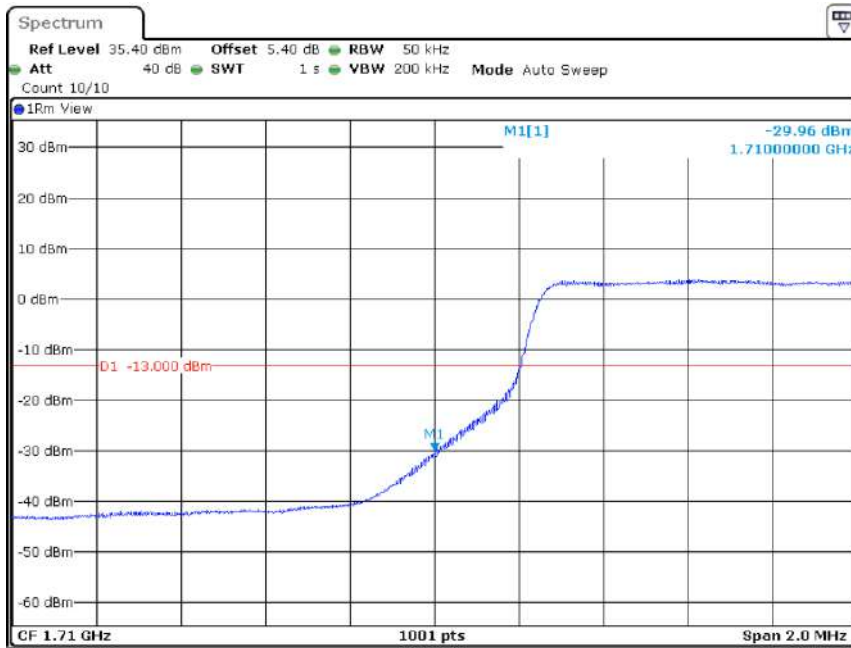
Date: 7 SEP.2020 11:00:52



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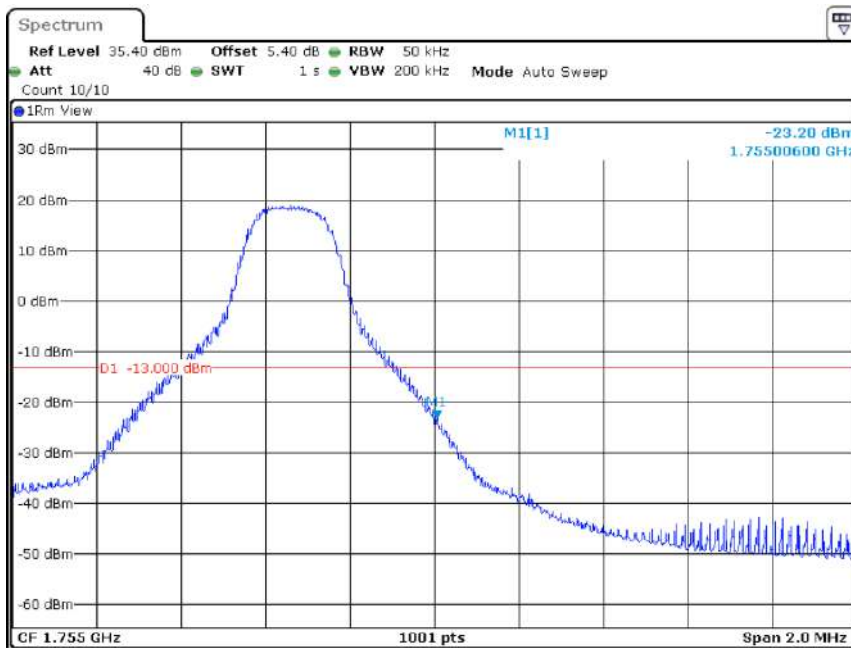
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**Band4-5MHz-QPSK-19975-25RB#0**



Date: 7 SEP.2020 11:01:33

**Band4-5MHz-QPSK-20375-1RB#24**

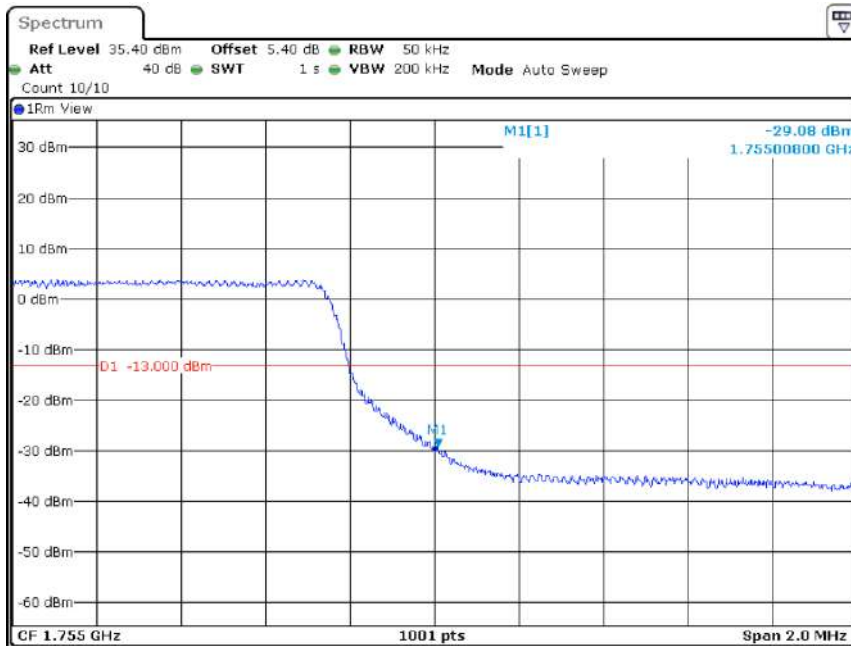


Date: 7 SEP.2020 11:02:19



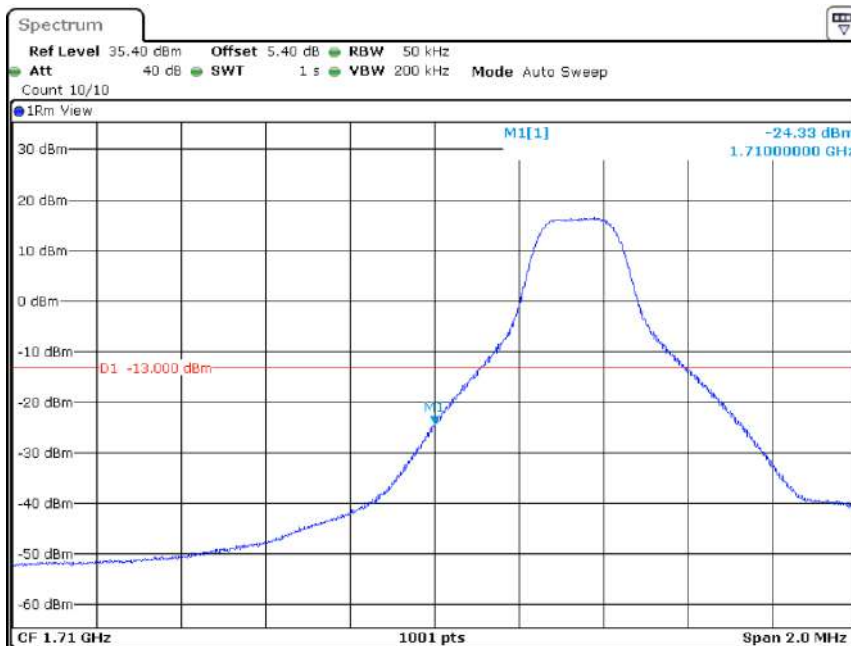
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**Band4-5MHz-QPSK-20375-25RB#0**



Date: 7 SEP.2020 11:03:00

**Band4-5MHz-64QAM-19975-1RB#0**



Date: 7 SEP.2020 12:37:43



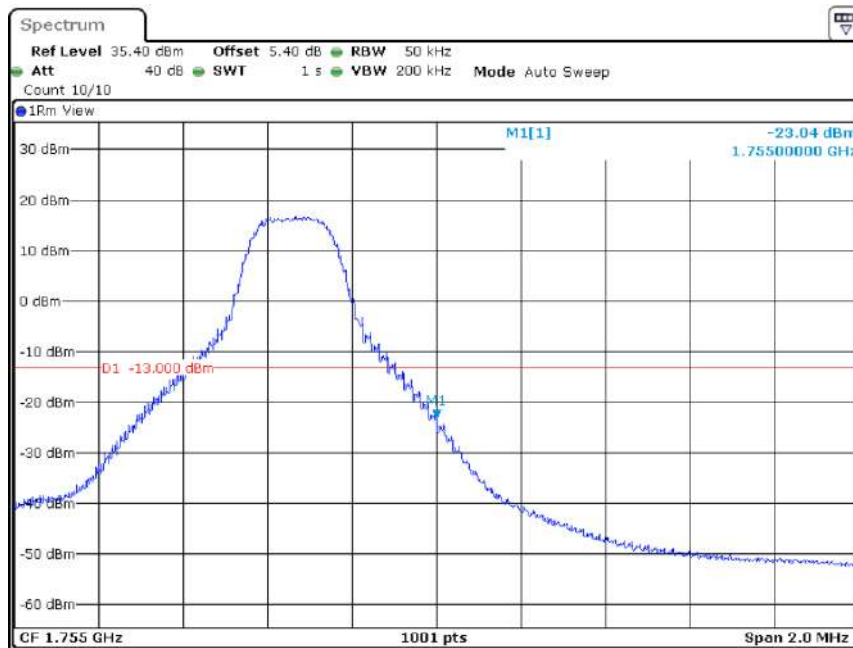
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**Band4-5MHz-64QAM-19975-25RB#0**



Date: 7 SEP.2020 12:38:03

**Band4-5MHz-64QAM-20375-1RB#24**

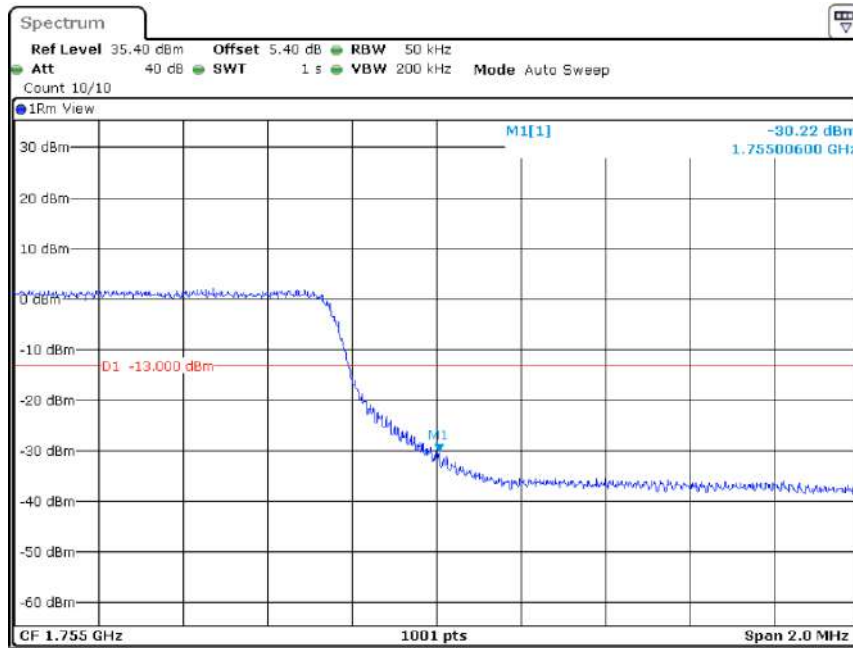


Date: 7 SEP.2020 12:38:31



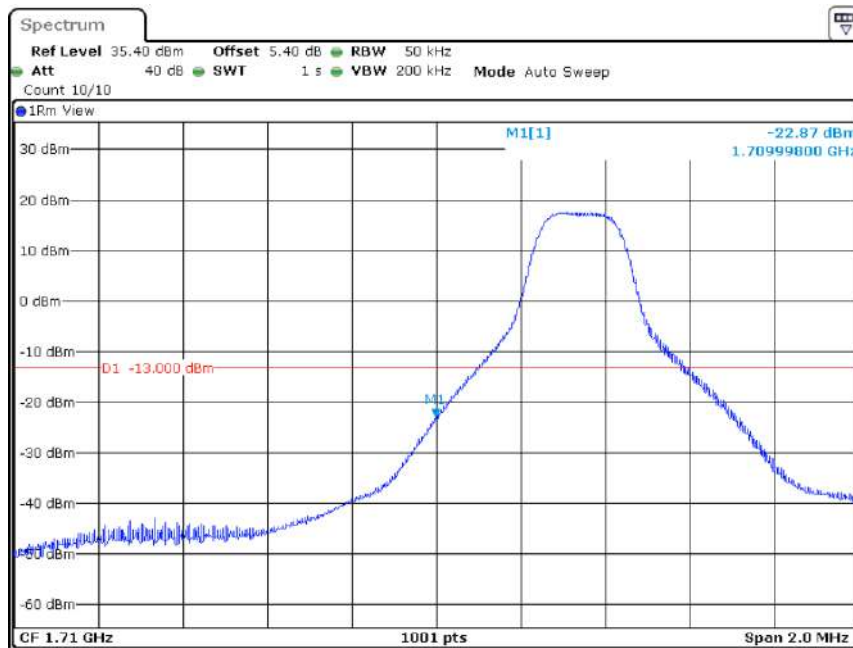
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**Band4-5MHz-64QAM-20375-25RB#0**



Date: 7 SEP.2020 12:38:51

**Band4-5MHz-16QAM-19975-1RB#0**

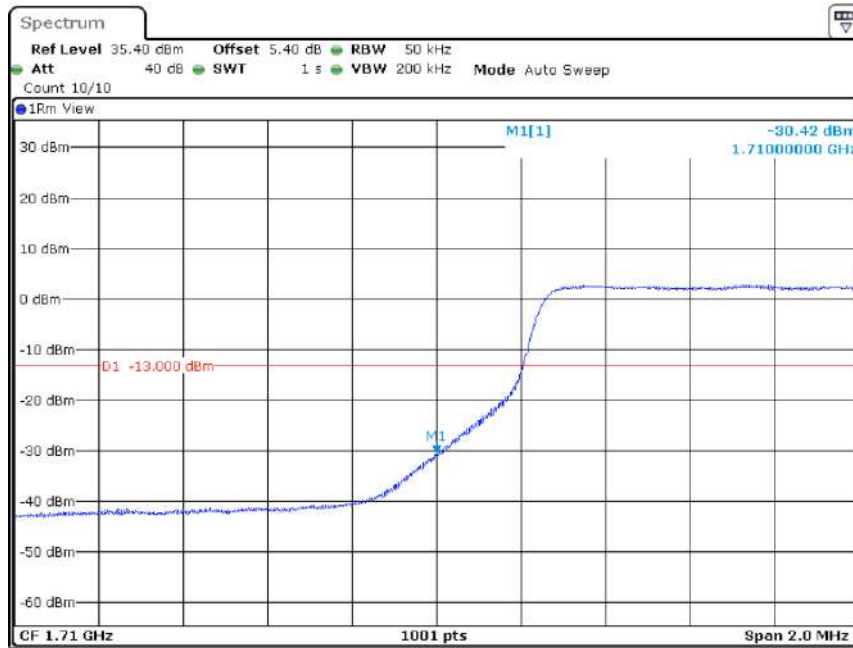


Date: 7 SEP.2020 11:01:12



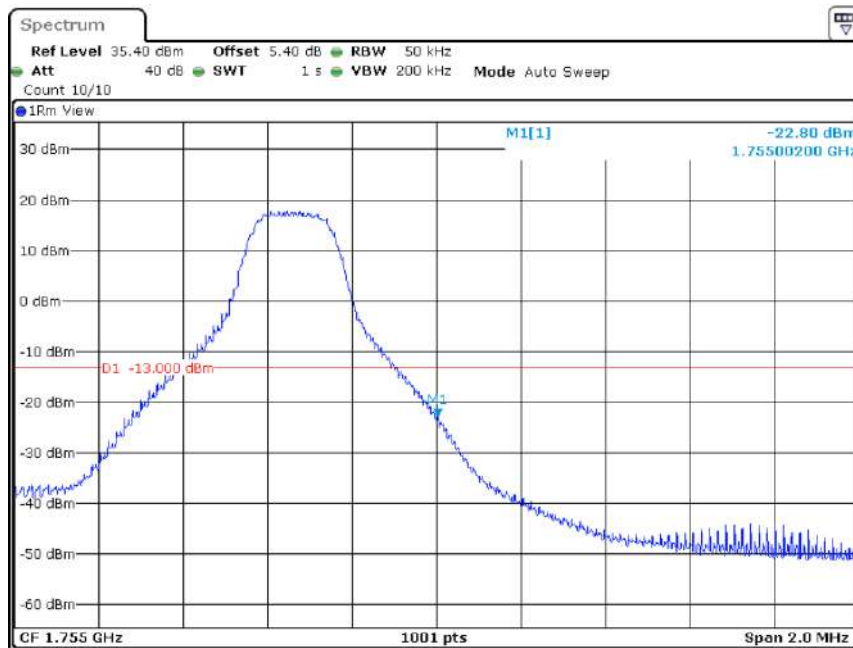
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**Band4-5MHz-16QAM-19975-25RB#0**



Date: 7 SEP.2020 11:01:54

**Band4-5MHz-16QAM-20375-1RB#24**

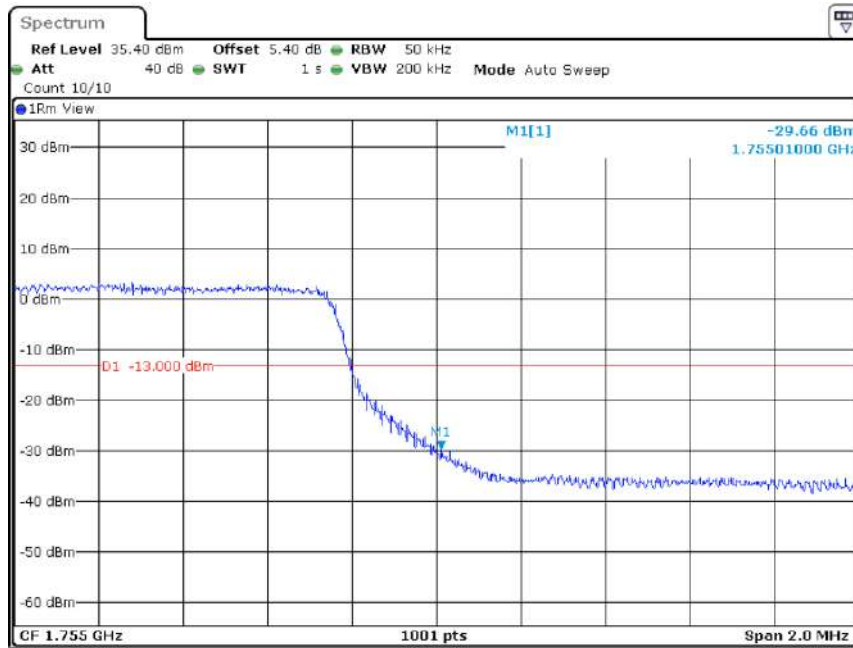


Date: 7 SEP.2020 11:02:39

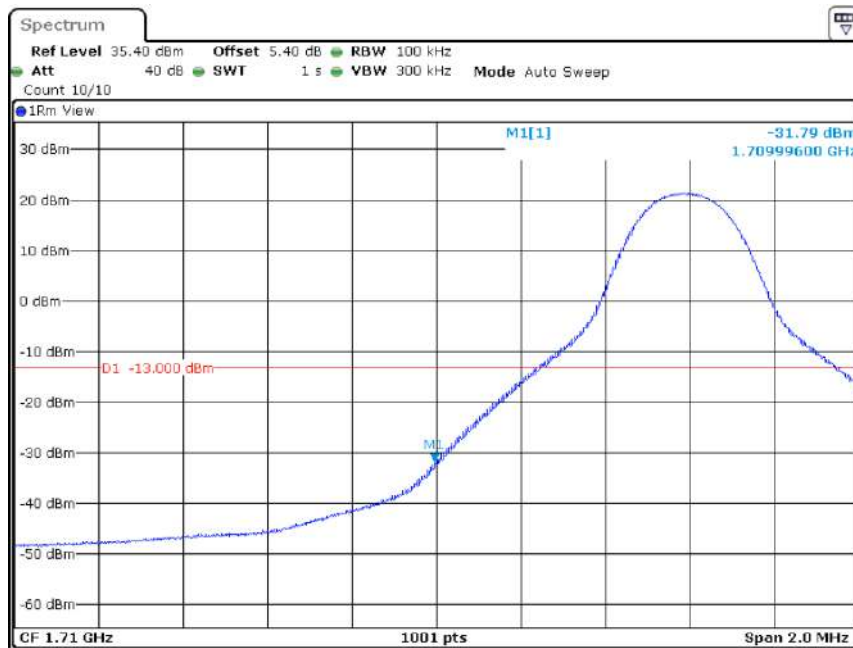


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**Band4-5MHz-16QAM-20375-25RB#0**

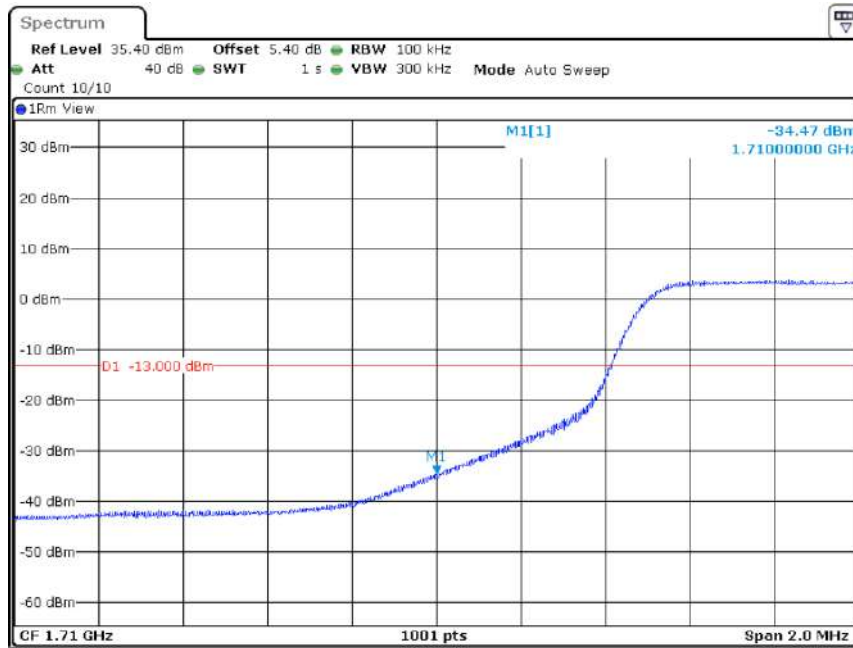


**Band4-10MHz-QPSK-20000-1RB#0**



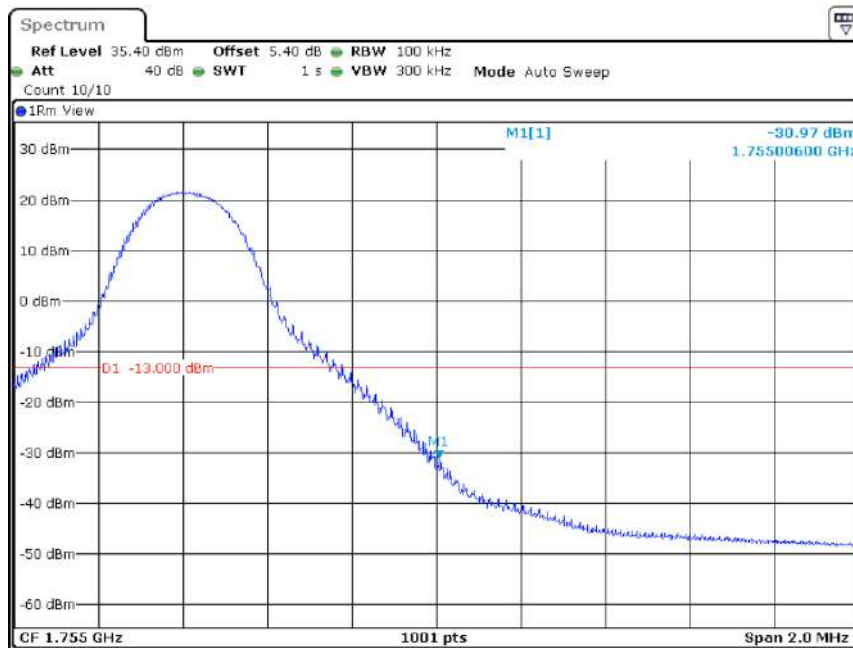
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**Band4-10MHz-QPSK-20000-50RB#0**



Date: 7 SEP.2020 11:04:29

**Band4-10MHz-QPSK-20350-1RB#49**

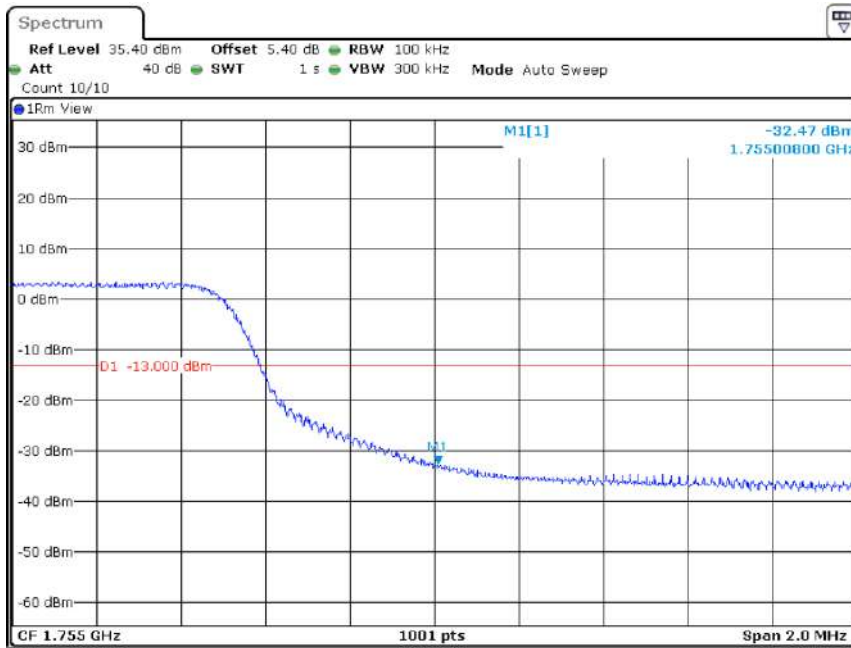


Date: 7 SEP.2020 11:05:15



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**Band4-10MHz-QPSK-20350-50RB#0**



Date: 7 SEP.2020 11:05:56

**Band4-10MHz-64QAM-20000-1RB#0**

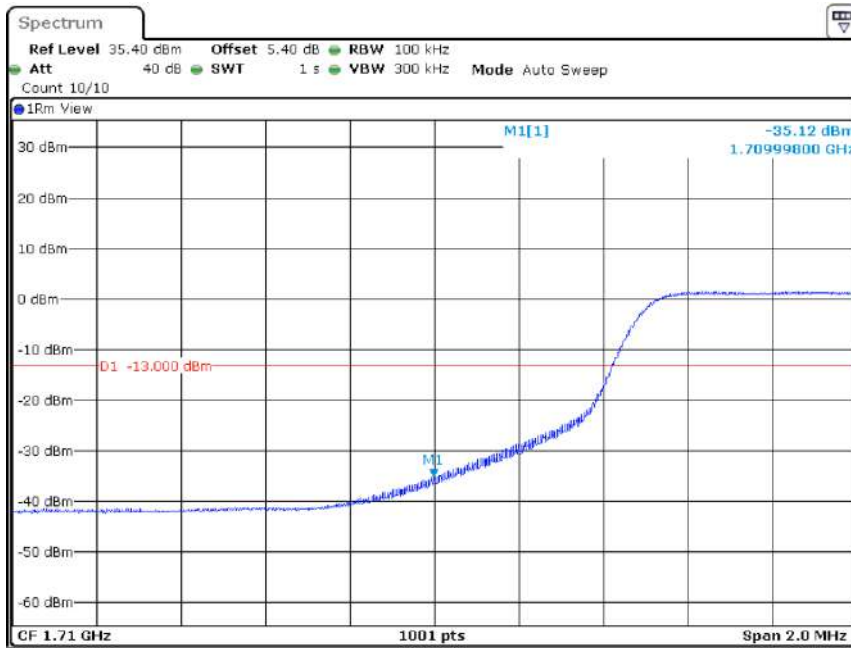


Date: 7 SEP.2020 12:39:19



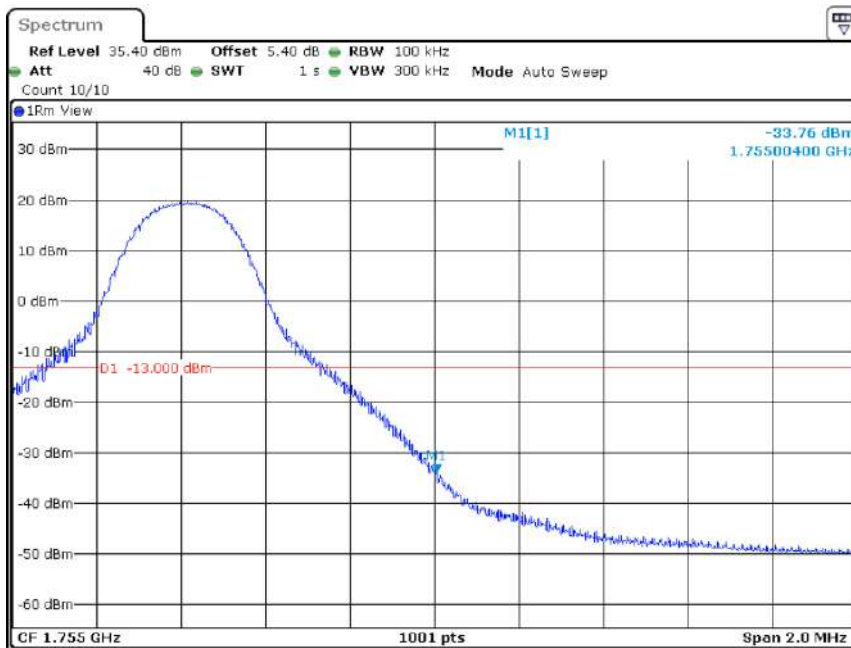
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**Band4-10MHz-64QAM-20000-50RB#0**



Date: 7 SEP.2020 12:39:39

**Band4-10MHz-64QAM-20350-1RB#49**



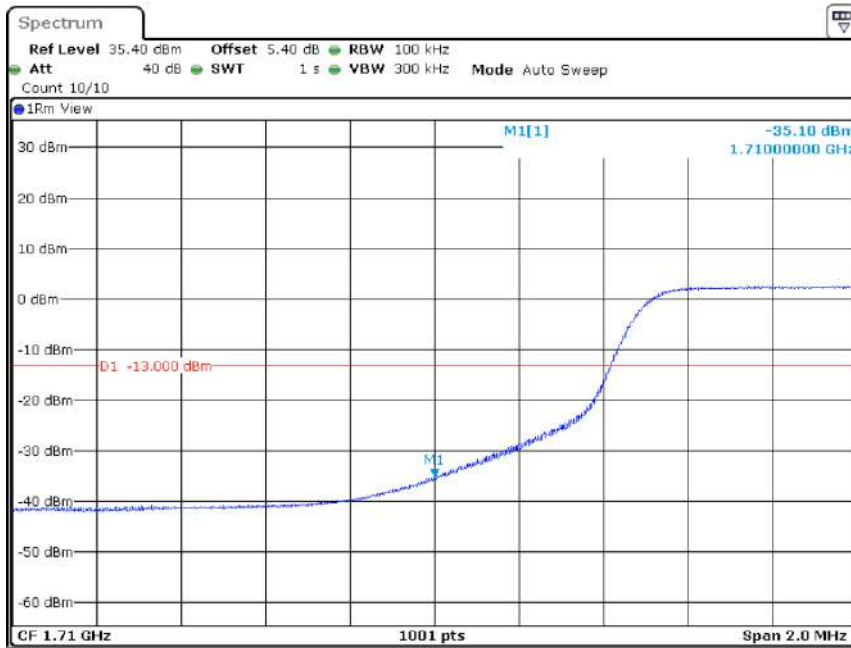
Date: 7 SEP.2020 12:40:05



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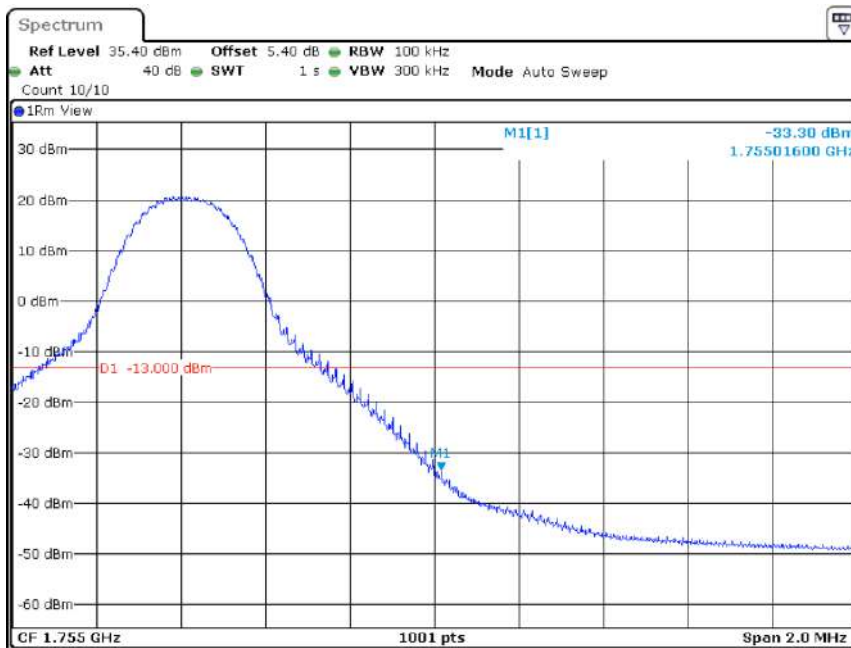


**Band4-10MHz-16QAM-20000-50RB#0**



Date: 7 SEP.2020 11:04:50

**Band4-10MHz-16QAM-20350-1RB#49**

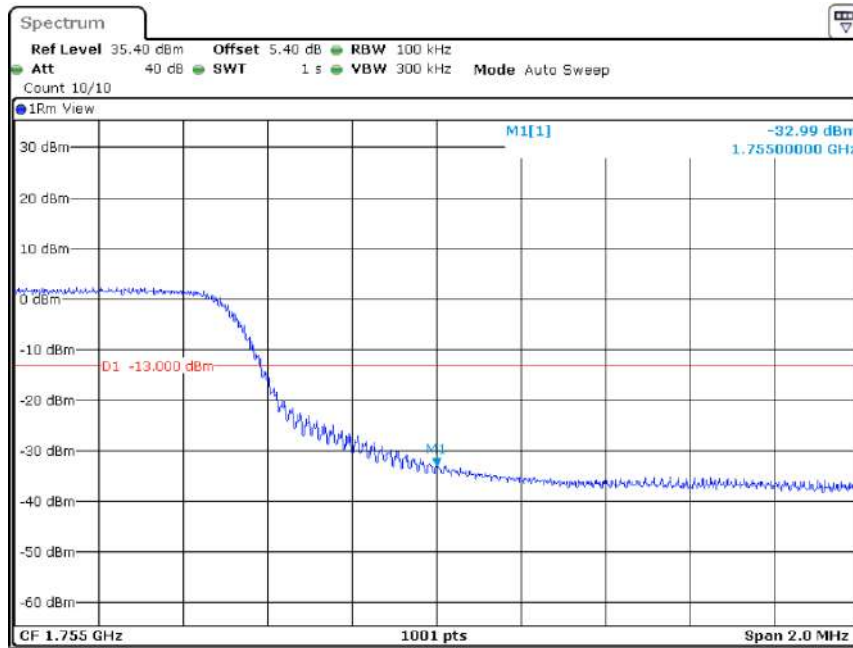


Date: 7 SEP.2020 11:05:36



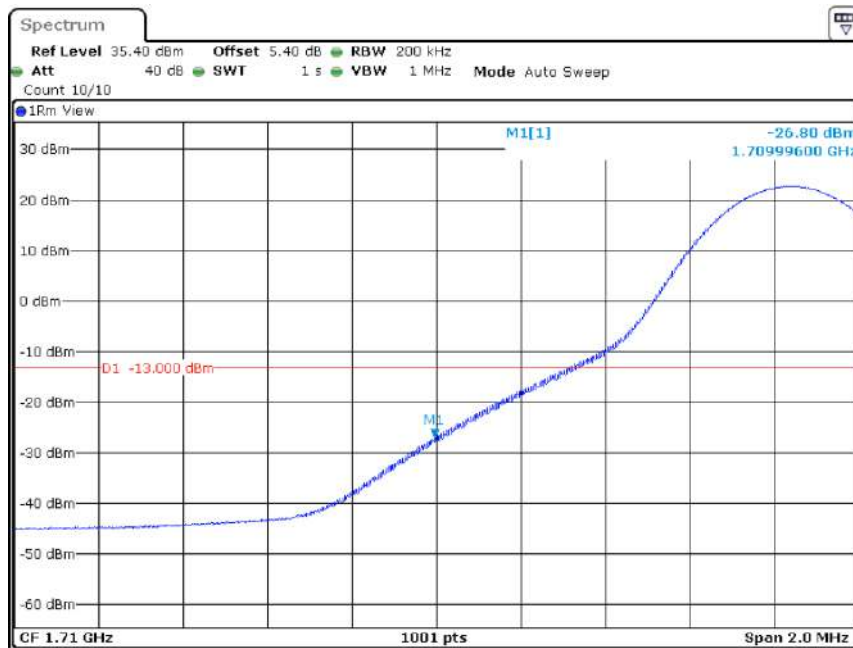
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**Band4-10MHz-16QAM-20350-50RB#0**



Date: 7 SEP.2020 11:06:17

**Band4-15MHz-QPSK-20025-1RB#0**

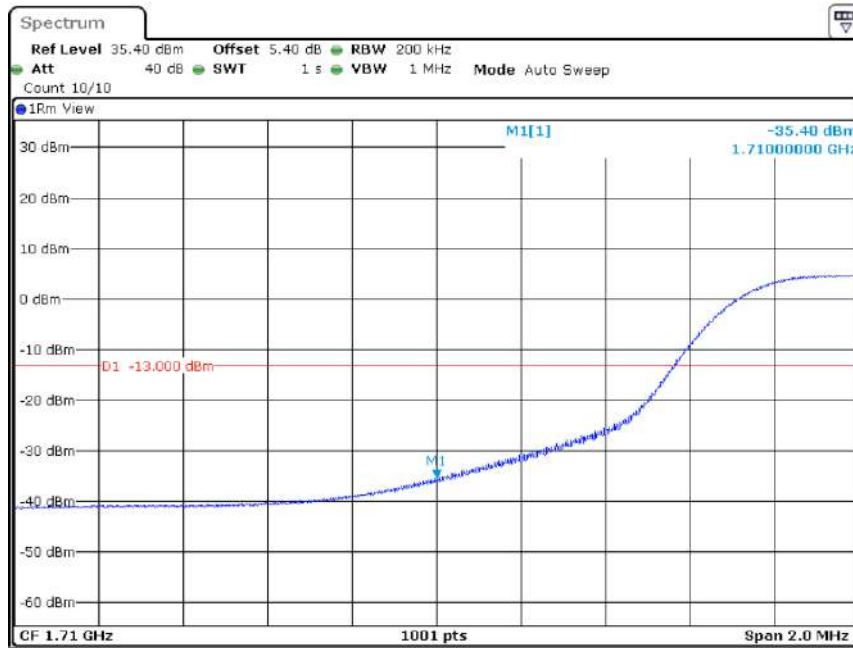


Date: 7 SEP.2020 11:06:44



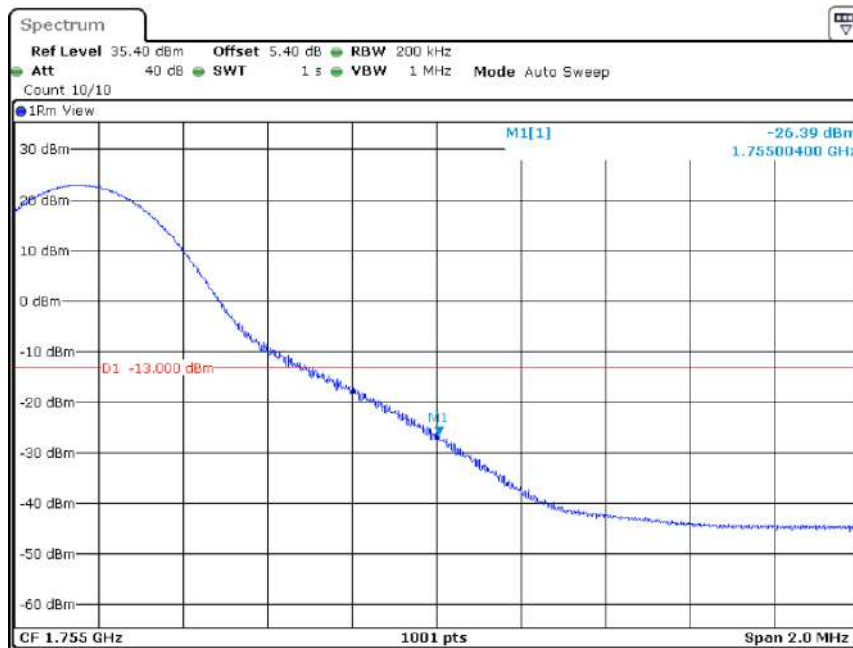
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**Band4-15MHz-QPSK-20025-75RB#0**



Date: 7 SEP.2020 11:07:25

**Band4-15MHz-QPSK-20325-1RB#74**

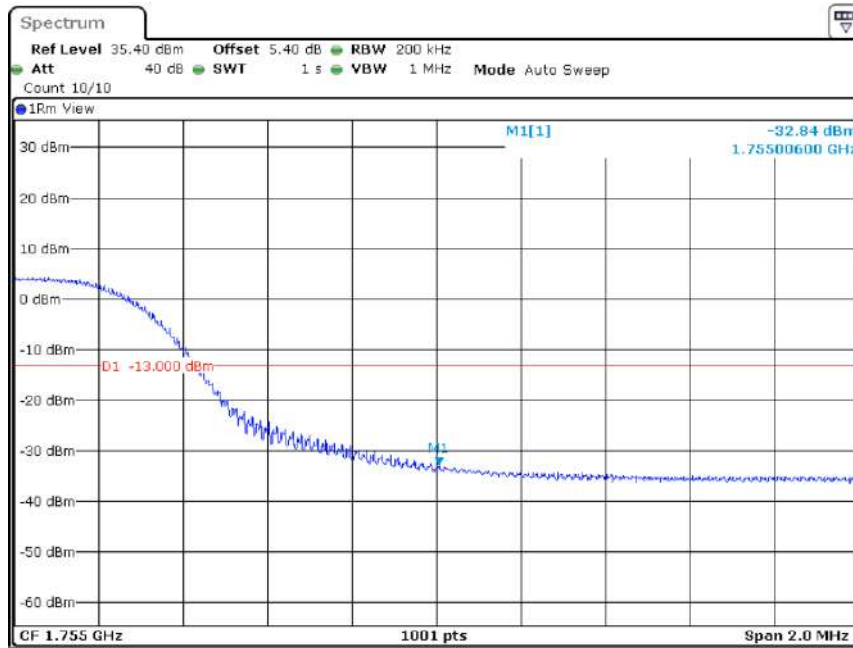


Date: 7 SEP.2020 11:08:11



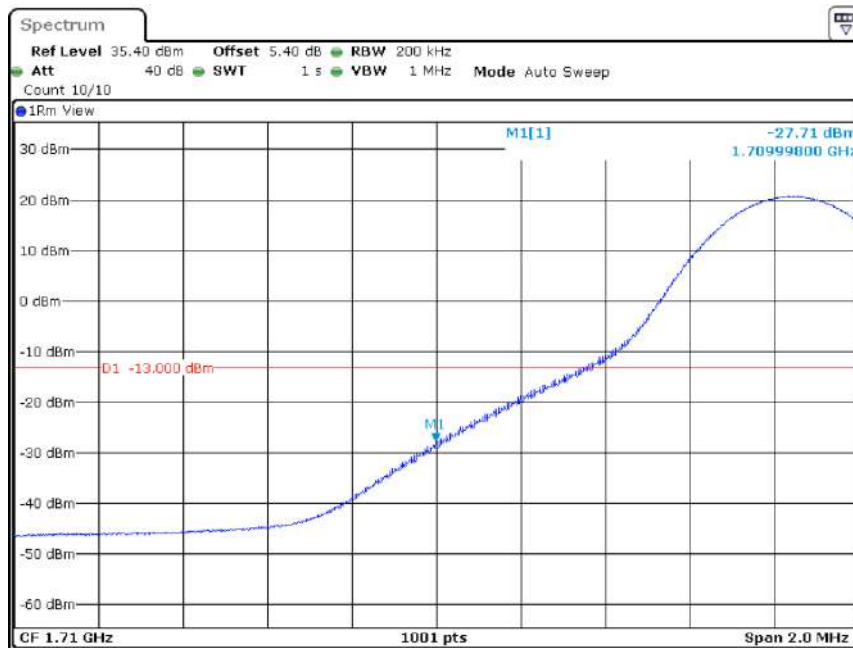
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**Band4-15MHz-QPSK-20325-75RB#0**



Date: 7 SEP.2020 11:08:52

**Band4-15MHz-64QAM-20025-1RB#0**

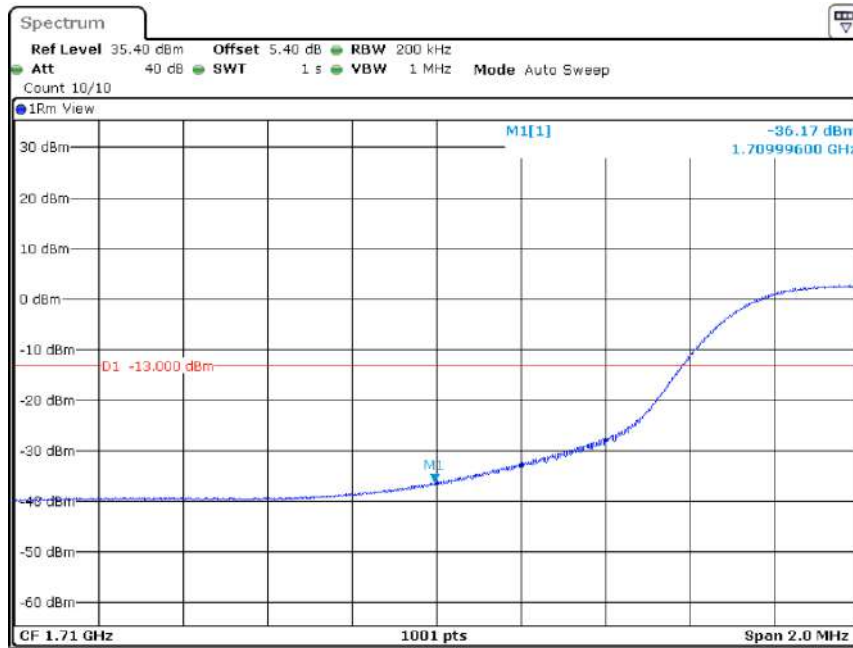


Date: 7 SEP.2020 12:40:54



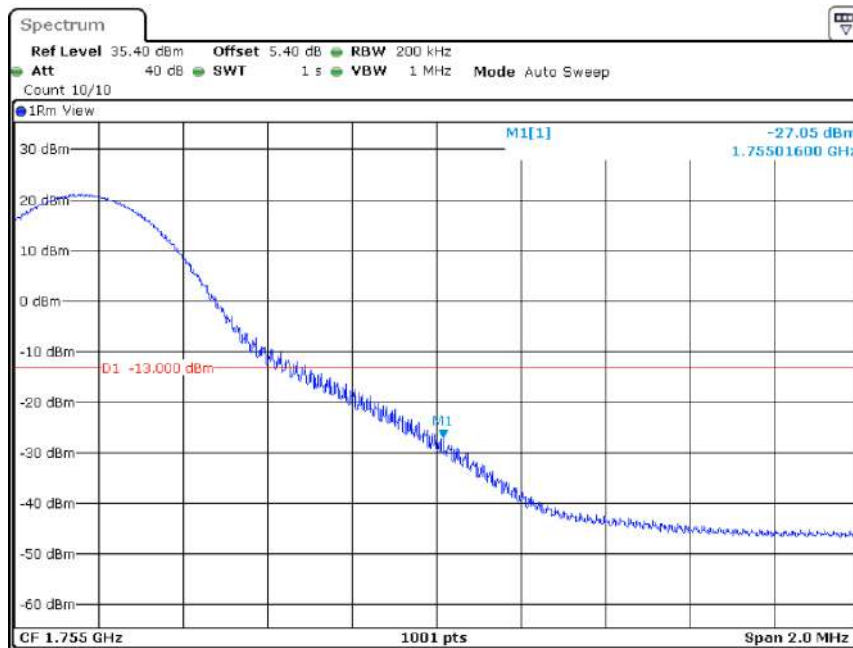
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**Band4-15MHz-64QAM-20025-75RB#0**



Date: 7 SEP.2020 12:41:15

**Band4-15MHz-64QAM-20325-1RB#74**

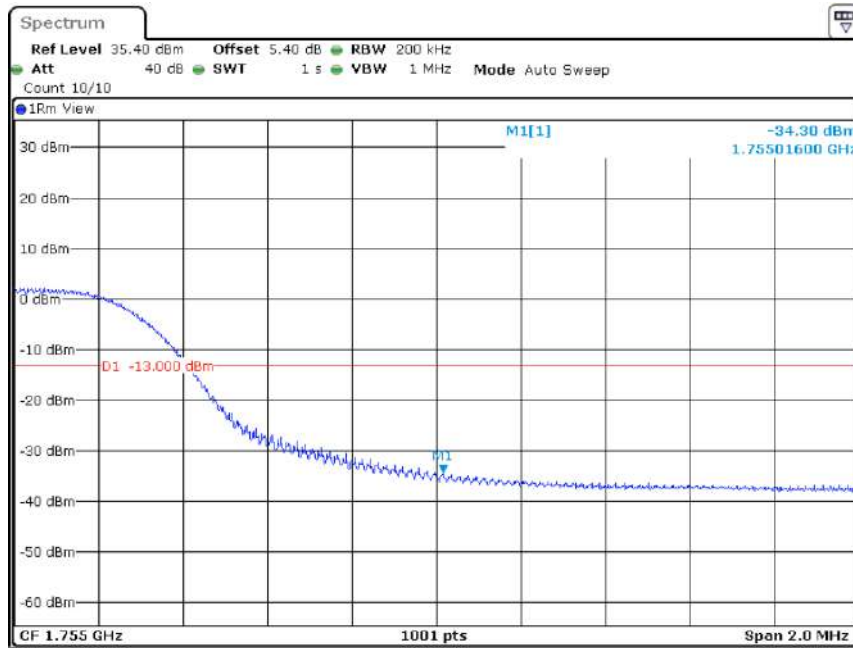


Date: 7 SEP.2020 12:41:41



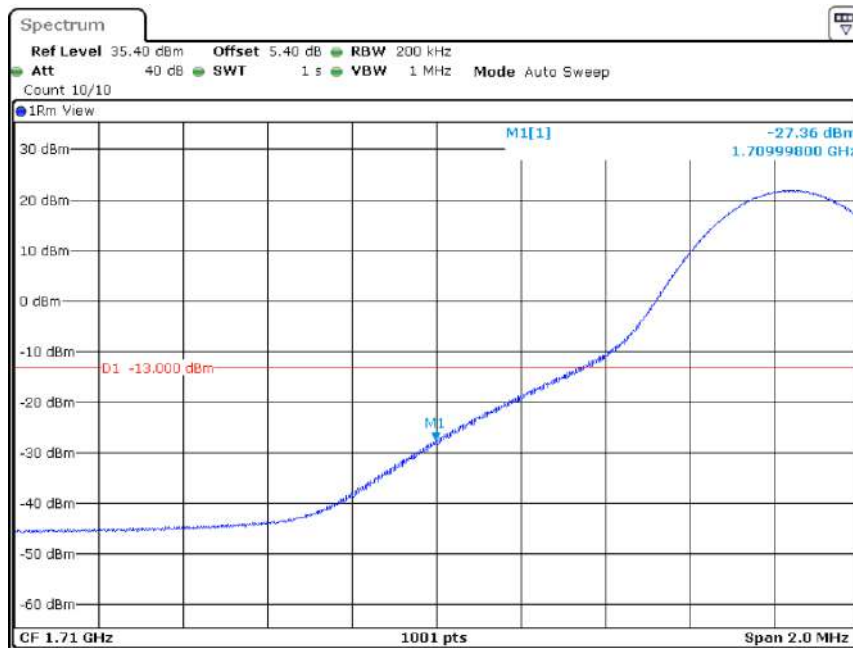
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**Band4-15MHz-64QAM-20325-75RB#0**



Date: 7 SEP.2020 12:42:01

**Band4-15MHz-16QAM-20025-1RB#0**

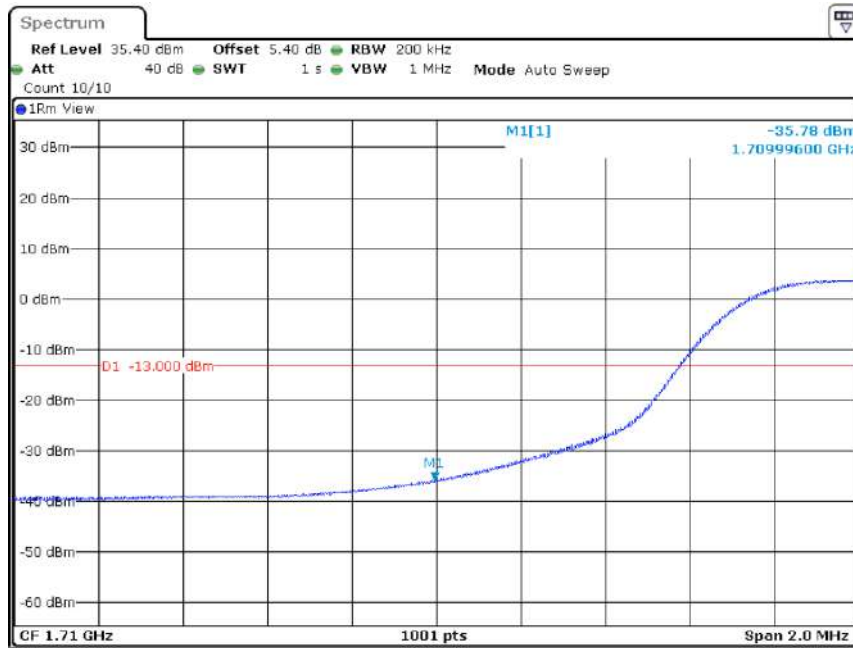


Date: 7 SEP.2020 11:07:04



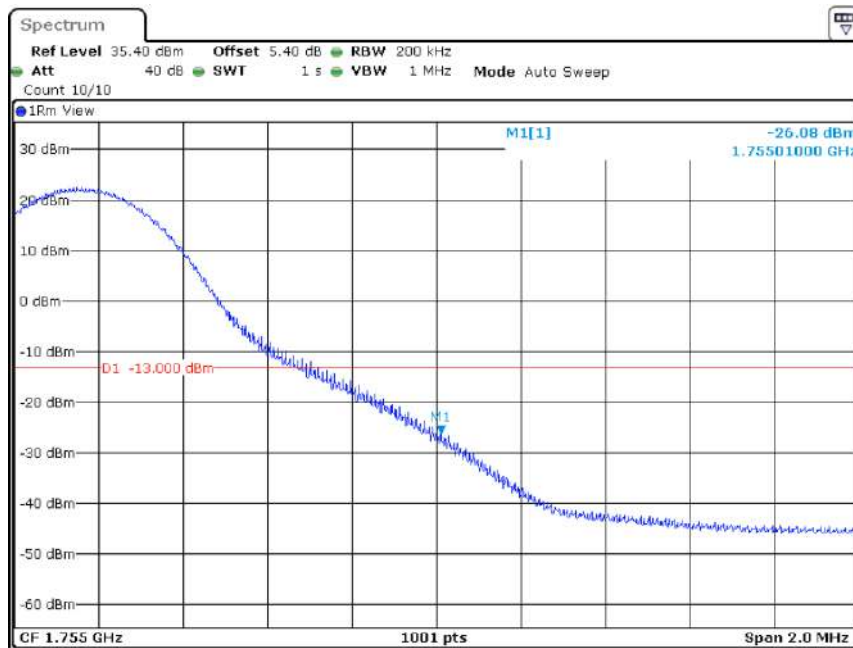
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**Band4-15MHz-16QAM-20025-75RB#0**



Date: 7 SEP.2020 11:07:46

**Band4-15MHz-16QAM-20325-1RB#74**

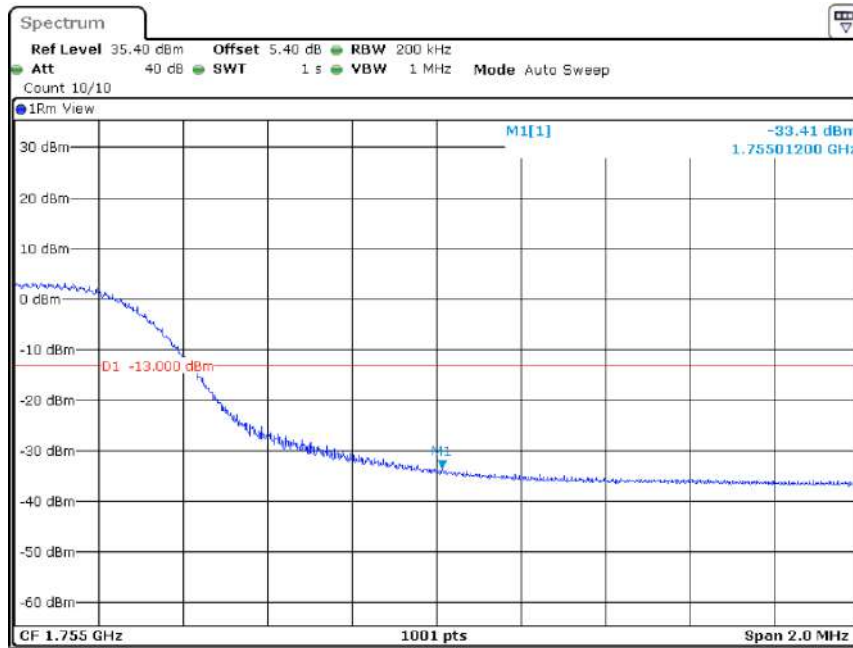


Date: 7 SEP.2020 11:08:31



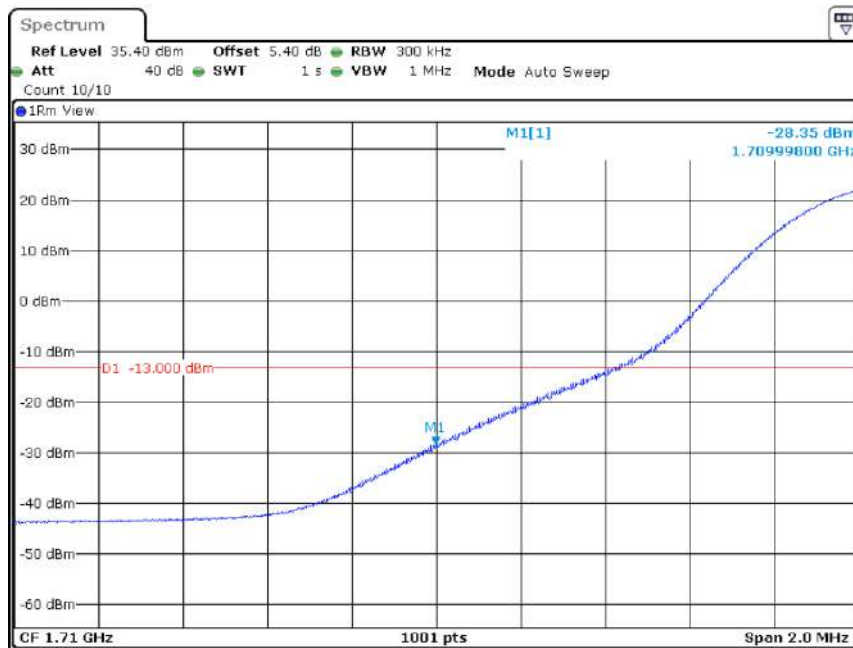
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**Band4-15MHz-16QAM-20325-75RB#0**



Date: 7 SEP.2020 11:09:13

**Band4-20MHz-QPSK-20050-1RB#0**

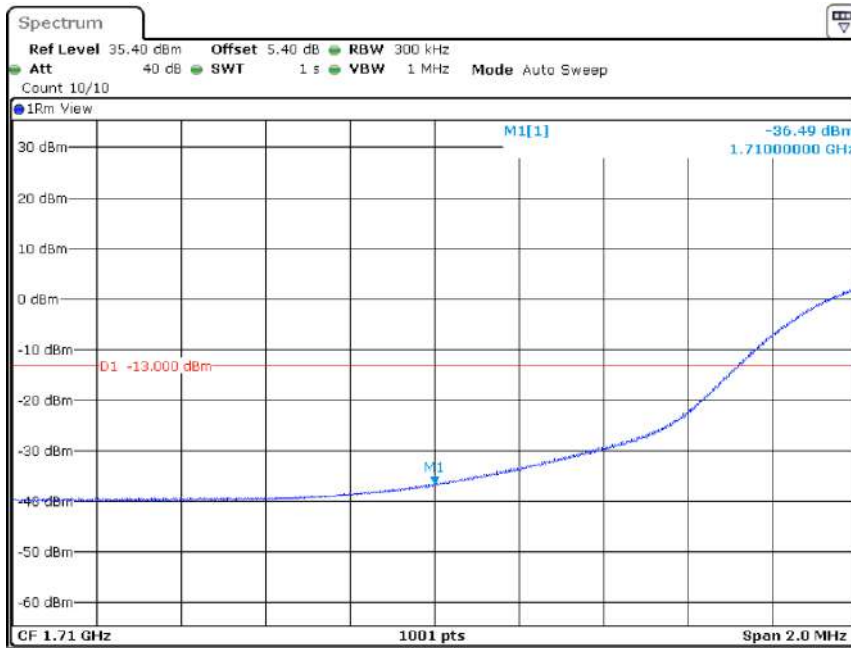


Date: 7 SEP.2020 11:25:28



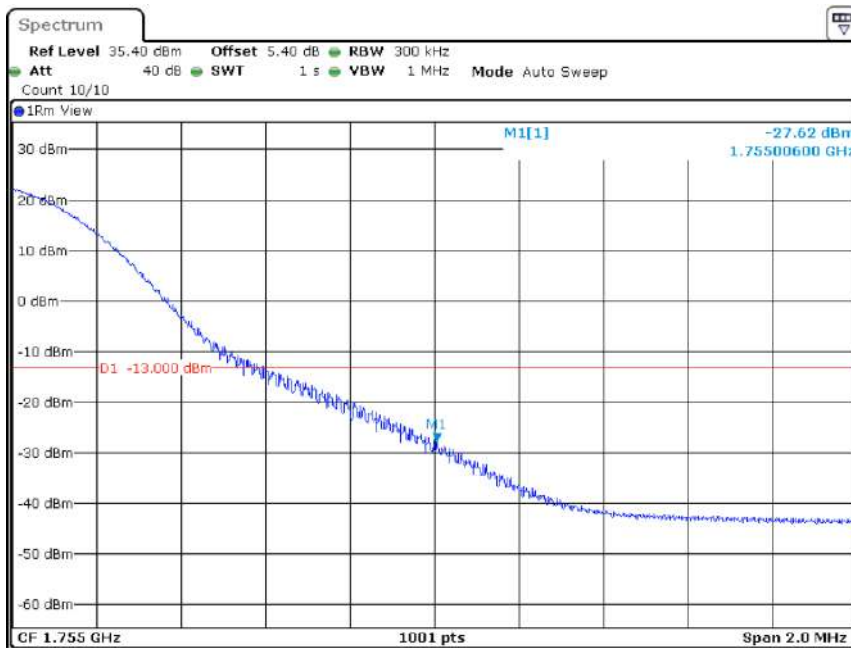
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**Band4-20MHz-QPSK-20050-100RB#0**



Date: 7 SEP.2020 11:26:10

**Band4-20MHz-QPSK-20300-1RB#99**

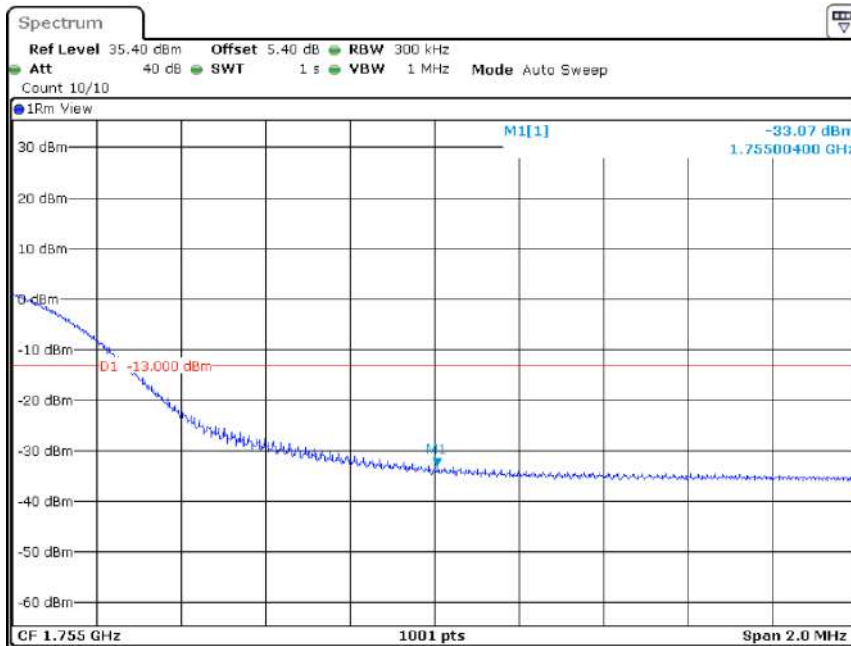


Date: 7 SEP.2020 11:26:56



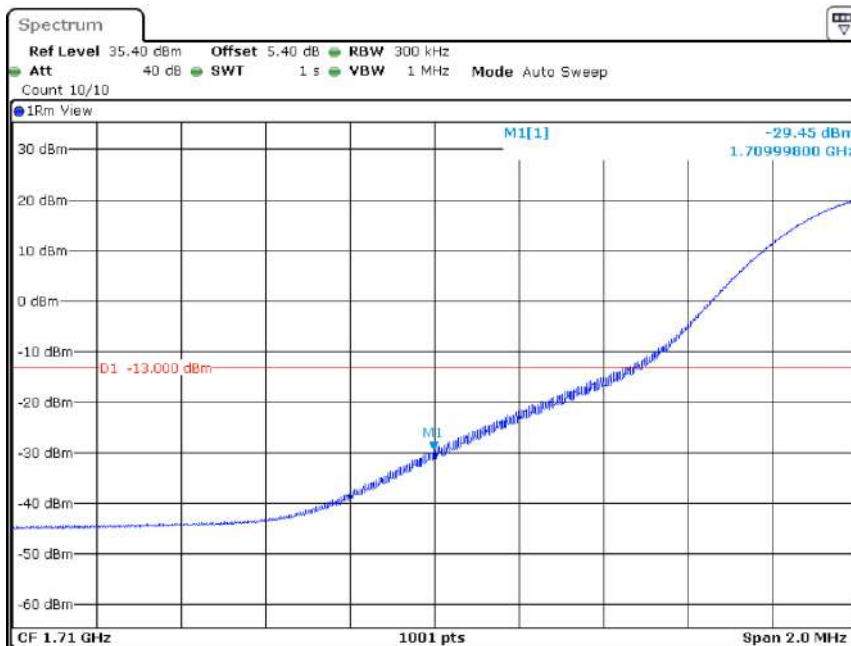
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**Band4-20MHz-QPSK-20300-100RB#0**



Date: 7 SEP.2020 11:27:37

**Band4-20MHz-64QAM-20050-1RB#0**

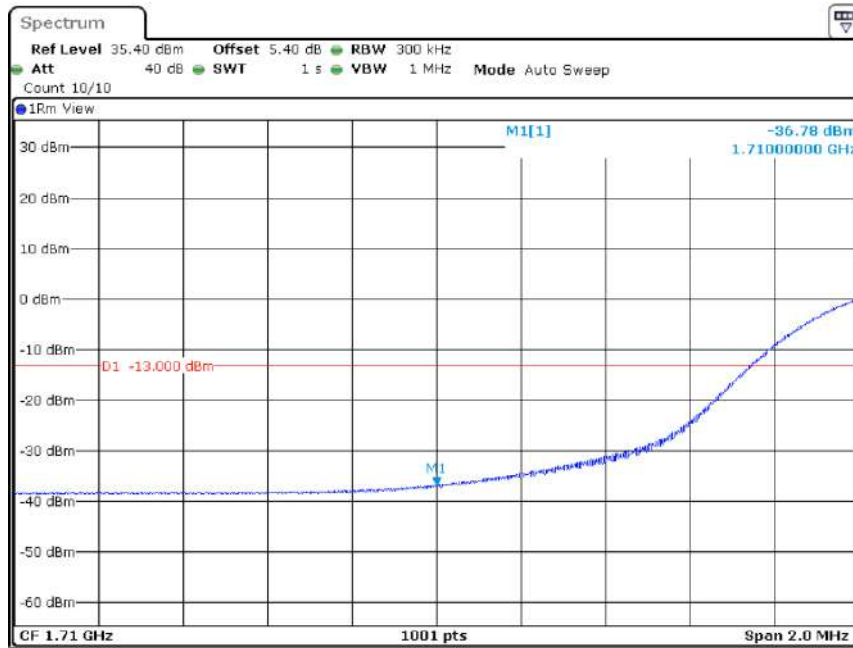


Date: 7 SEP.2020 12:42:29



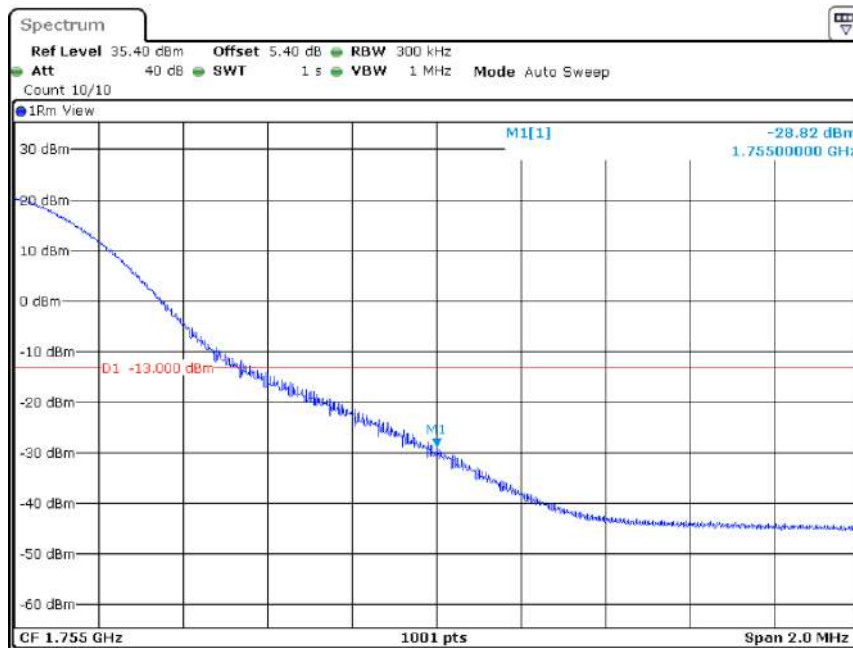
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**Band4-20MHz-64QAM-20050-100RB#0**



Date: 7 SEP.2020 12:42:50

**Band4-20MHz-64QAM-20300-1RB#99**



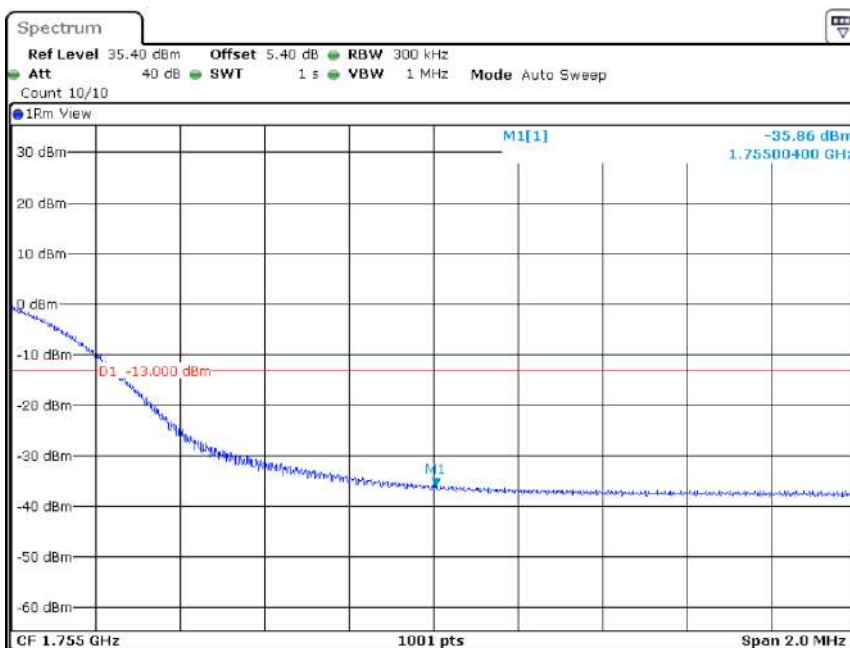
Date: 7 SEP.2020 12:43:16



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**Band4-20MHz-64QAM-20300-100RB#0**



Date: 7 SEP.2020 12:43:37

**Band4-20MHz-16QAM-20050-1RB#0**

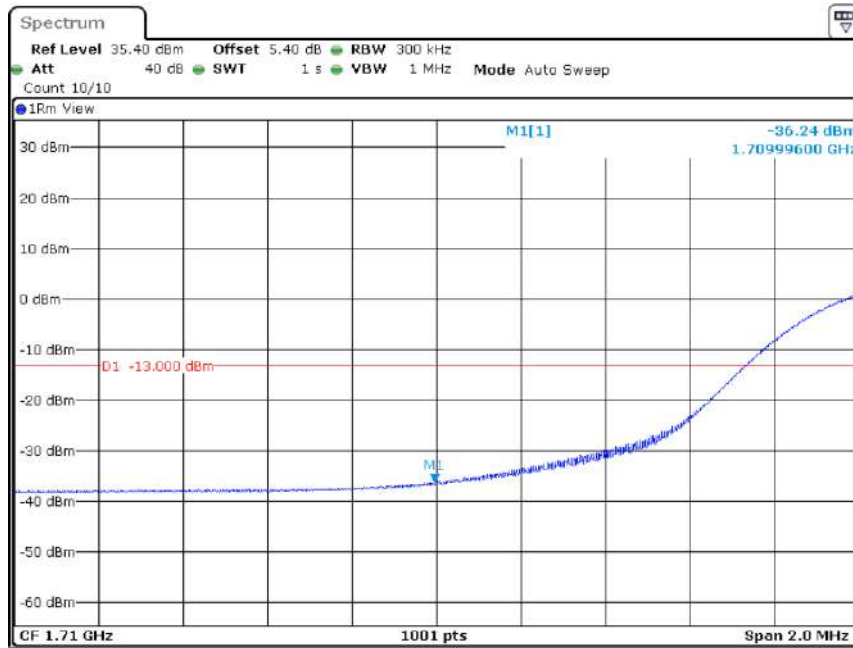


Date: 7 SEP.2020 11:26:49



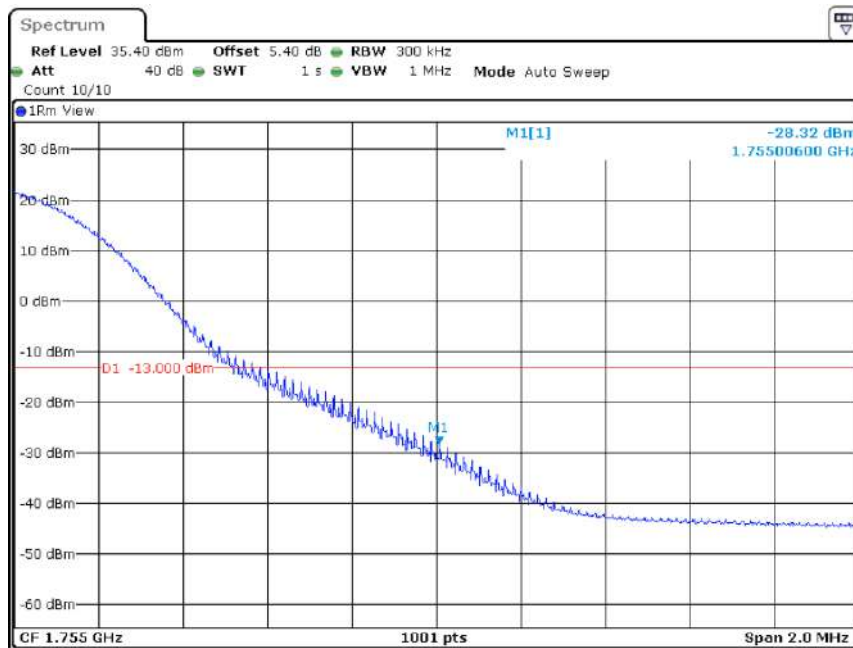
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**Band4-20MHz-16QAM-20050-100RB#0**



Date: 7 SEP.2020 11:26:30

**Band4-20MHz-16QAM-20300-1RB#99**



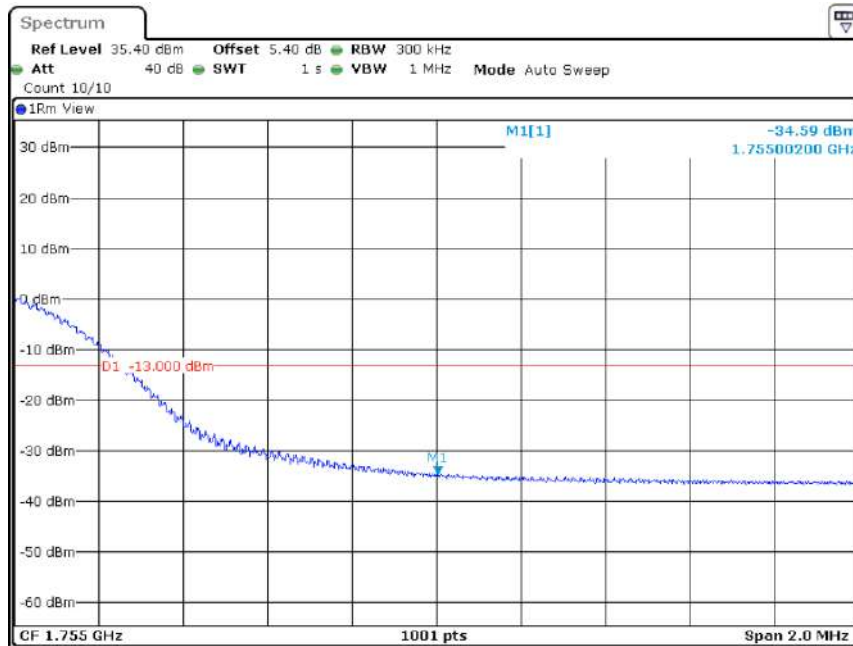
Date: 7 SEP.2020 11:27:17



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Band4-20MHz-16QAM-20300-100RB#0



Date: 7 SEP.2020 11:27:58



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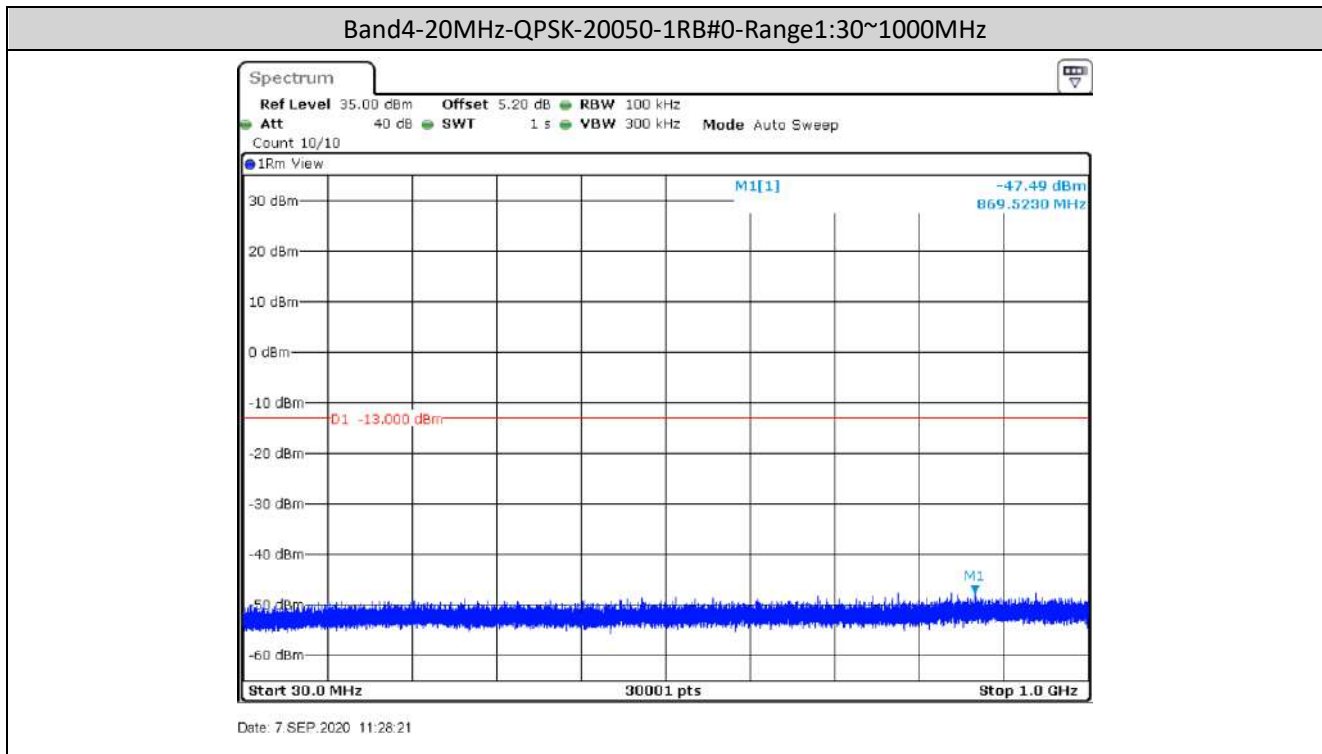
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## 6. Spurious Emission at Antenna Terminal

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 =  $k * (\text{Span} / RBW)$ " with  $k$  between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

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

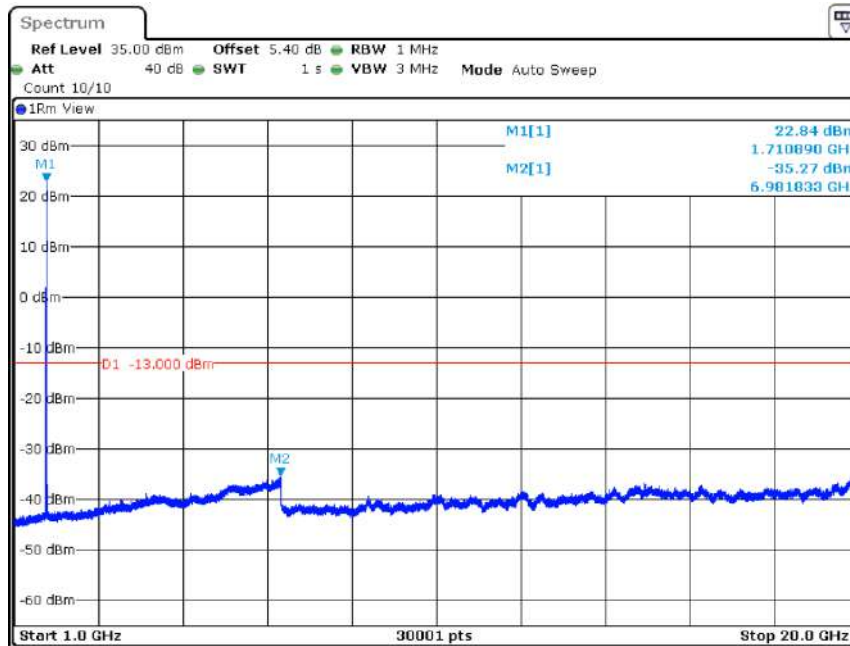
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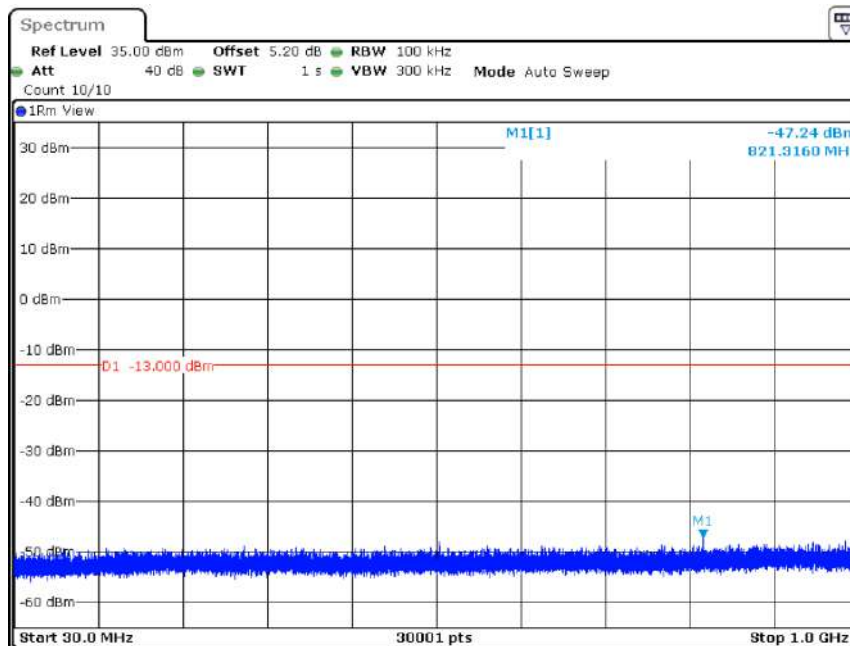
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**Band4-20MHz-QPSK-20050-1RB#0-Range2:1000~20000MHz**



Date: 7 SEP.2020 11:28:37

**Band4-20MHz-QPSK-20175-1RB#0-Range1:30~1000MHz**

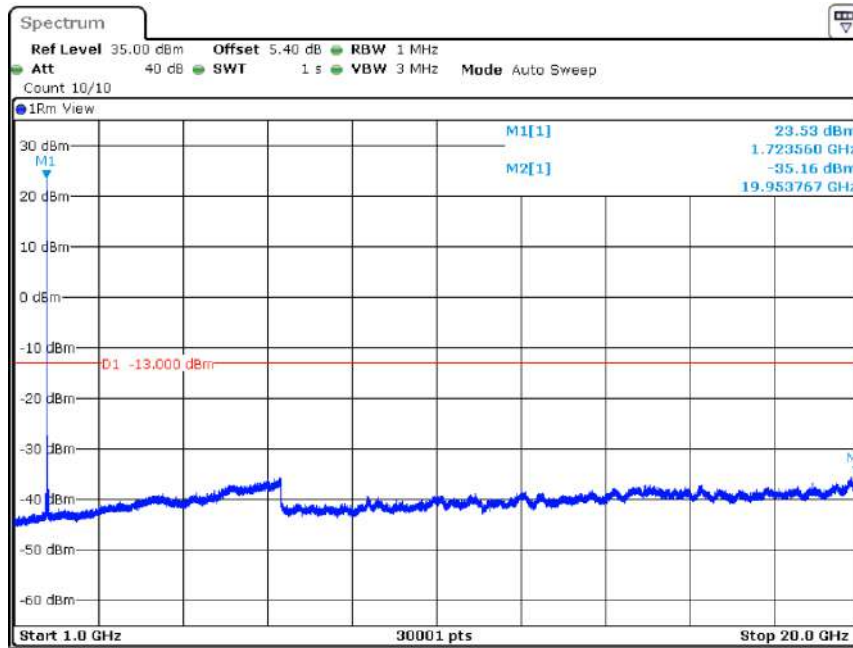


Date: 7 SEP.2020 11:29:31



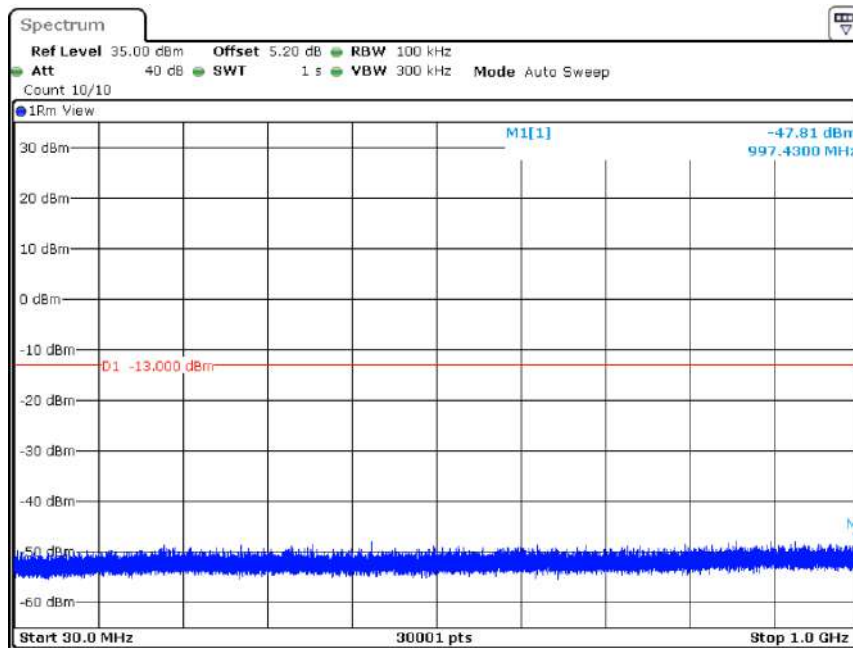
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**Band4-20MHz-QPSK-20175-1RB#0-Range2:1000~20000MHz**



Date: 7 SEP.2020 11:28:47

**Band4-20MHz-QPSK-20300-1RB#0-Range1:30~1000MHz**



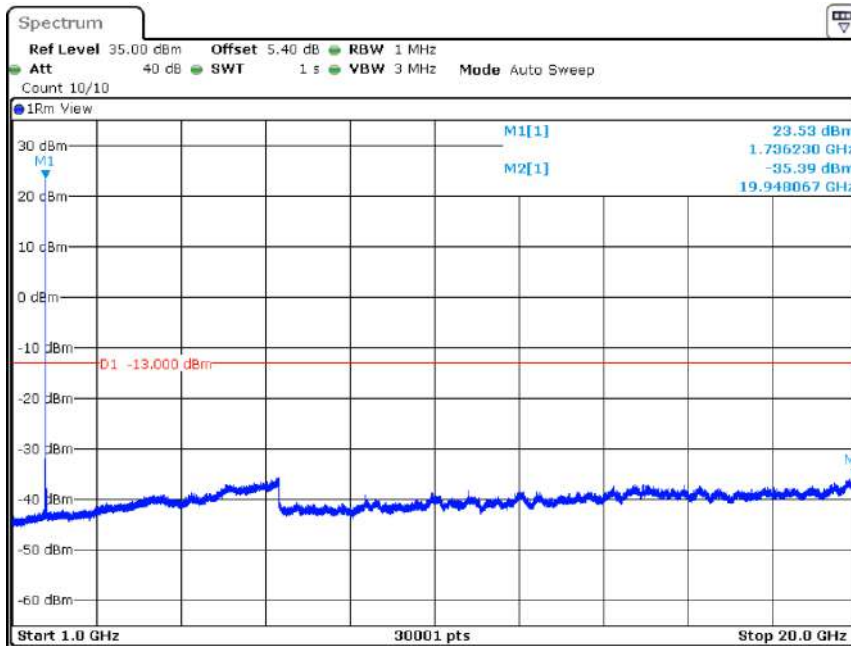
Date: 7 SEP.2020 11:30:41



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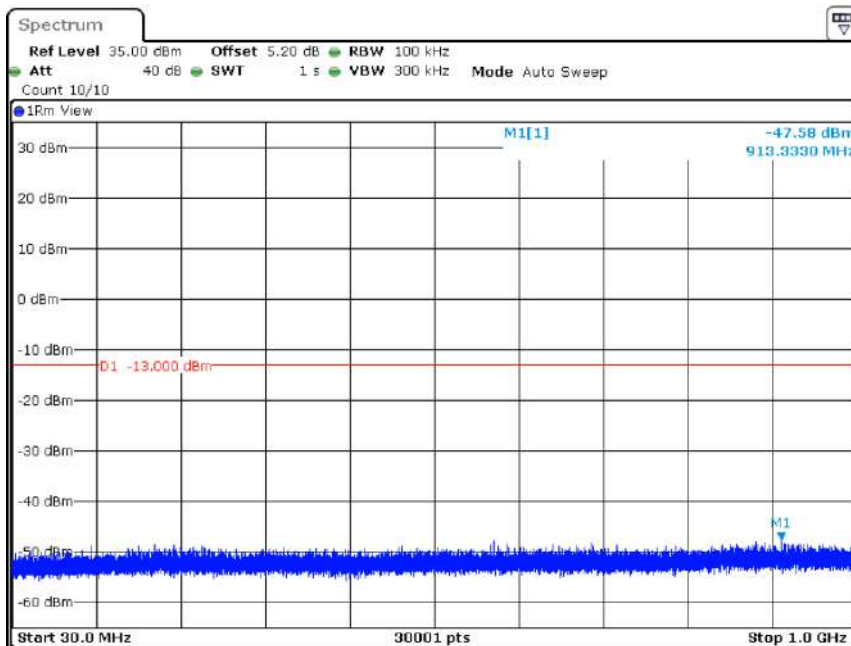
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**Band4-20MHz-QPSK-20300-1RB#0-Range2:1000~20000MHz**



Date: 7 SEP.2020 11:30:57

**Band4-20MHz-64QAM-20050-1RB#0-Range1:30~1000MHz**

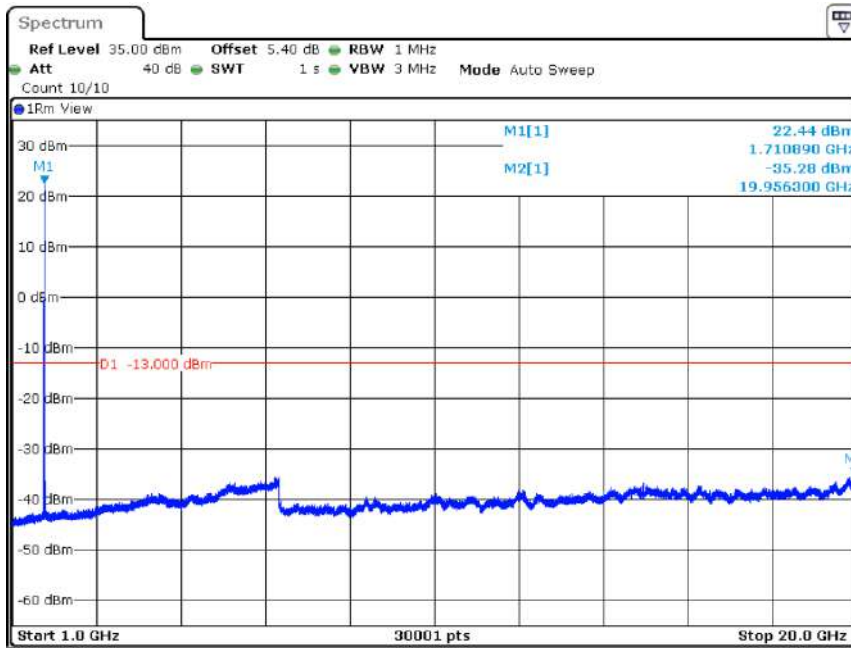


Date: 7 SEP.2020 12:44:00



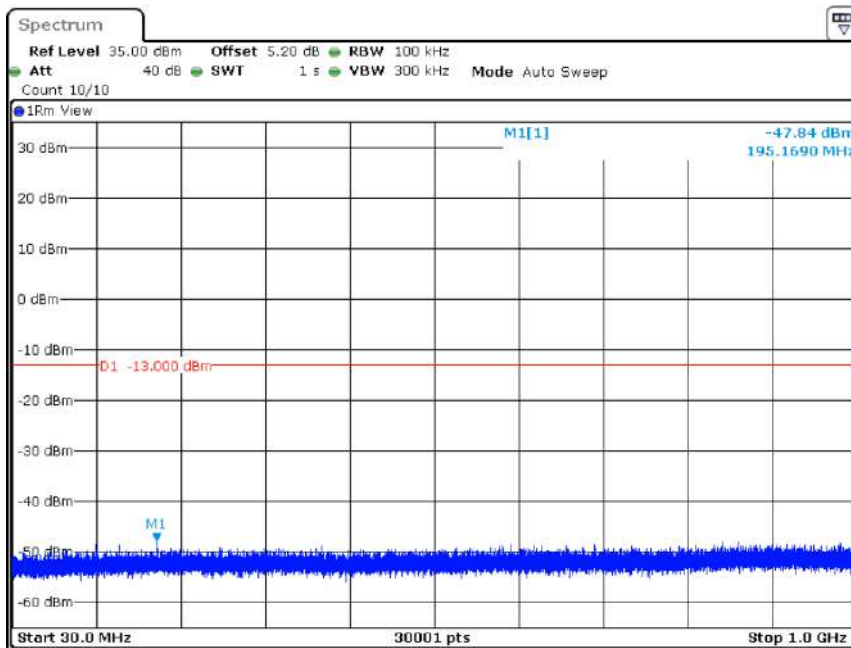
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**Band4-20MHz-64QAM-20050-1RB#0-Range2:1000~20000MHz**



Date: 7 SEP.2020 12:44:17

**Band4-20MHz-64QAM-20175-1RB#0-Range1:30~1000MHz**

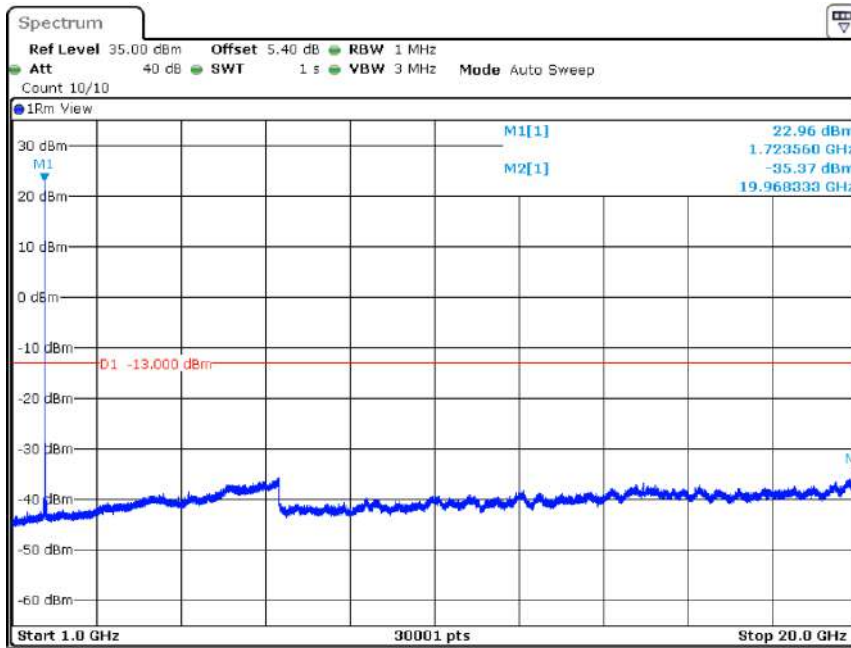


Date: 7 SEP.2020 12:44:37



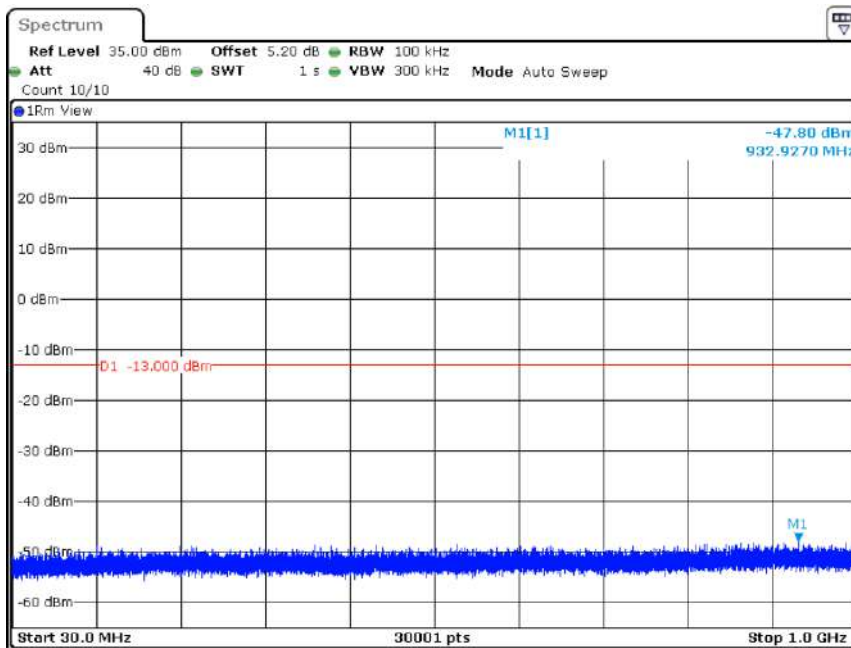
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**Band4-20MHz-64QAM-20175-1RB#0-Range2:1000~20000MHz**



Date: 7 SEP.2020 12:44:53

**Band4-20MHz-64QAM-20300-1RB#0-Range1:30~1000MHz**

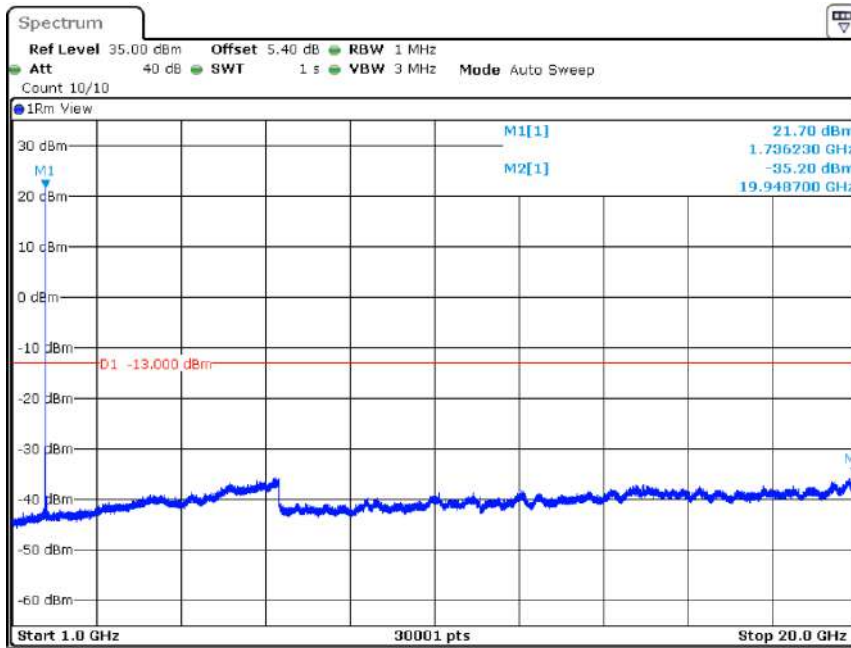


Date: 7 SEP.2020 12:45:12



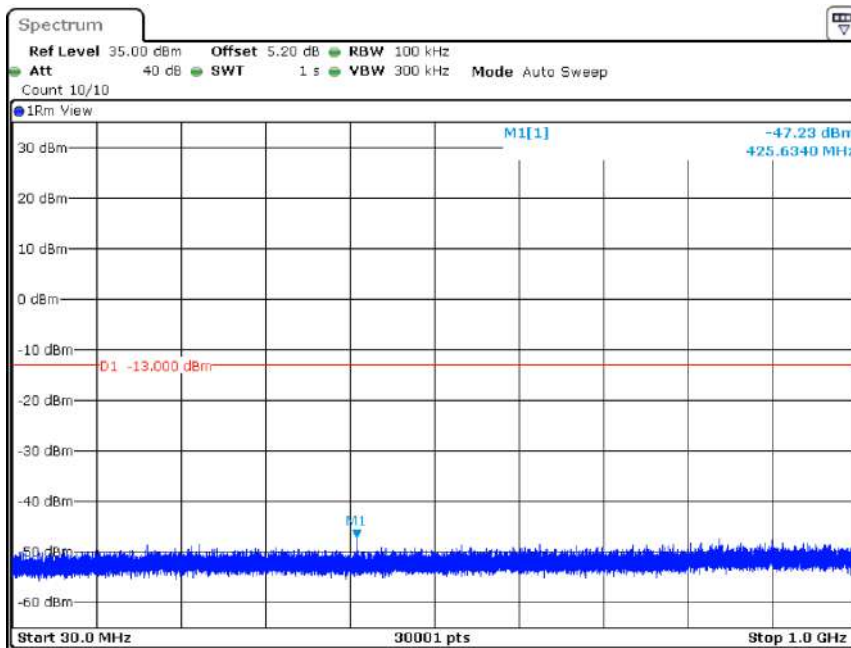
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**Band4-20MHz-64QAM-20300-1RB#0-Range2:1000~20000MHz**



Date: 7 SEP.2020 12:45:28

**Band4-20MHz-16QAM-20050-1RB#0-Range1:30~1000MHz**

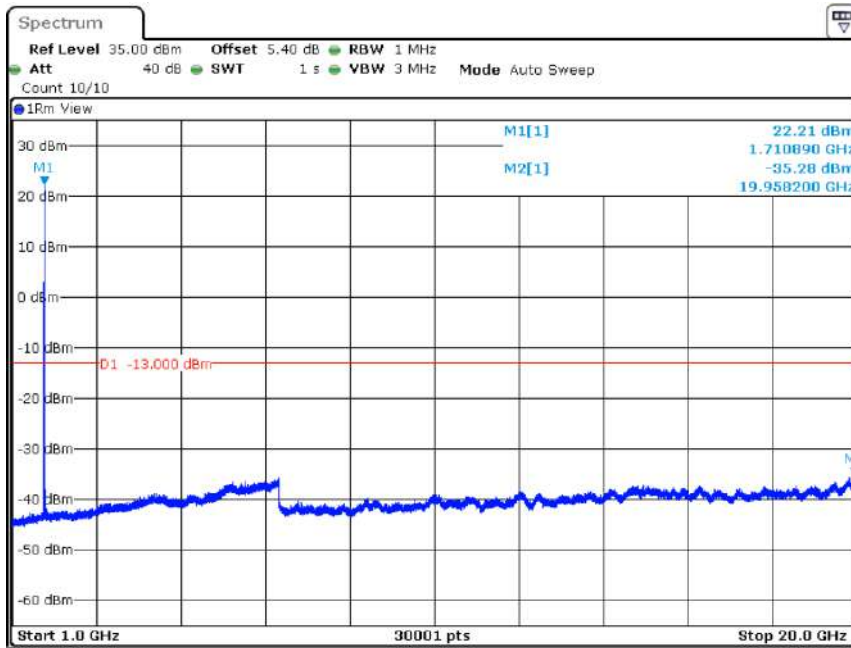


Date: 7 SEP.2020 11:28:56



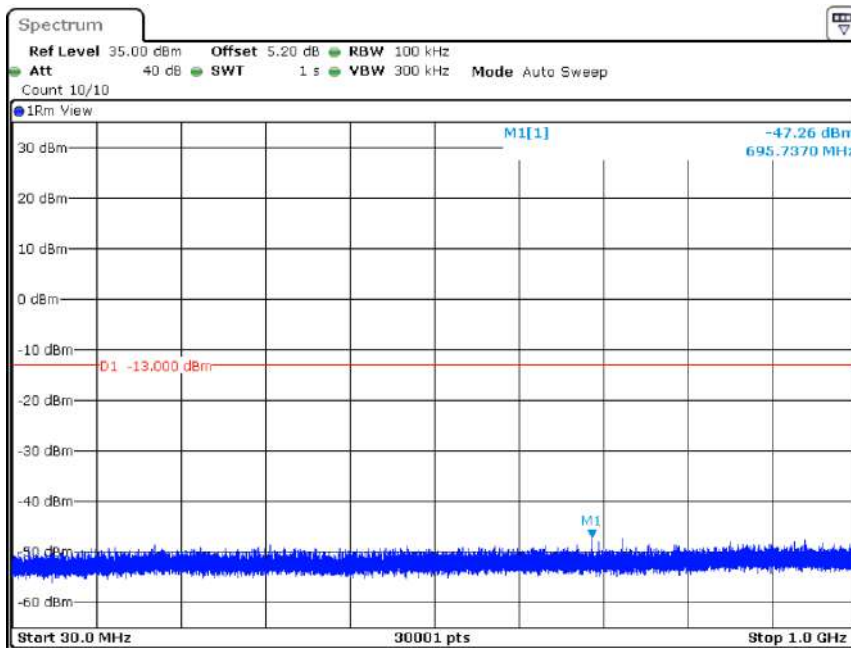
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**Band4-20MHz-16QAM-20050-1RB#0-Range2:1000~20000MHz**



Date: 7 SEP.2020 11:28:12

**Band4-20MHz-16QAM-20175-1RB#0-Range1:30~1000MHz**

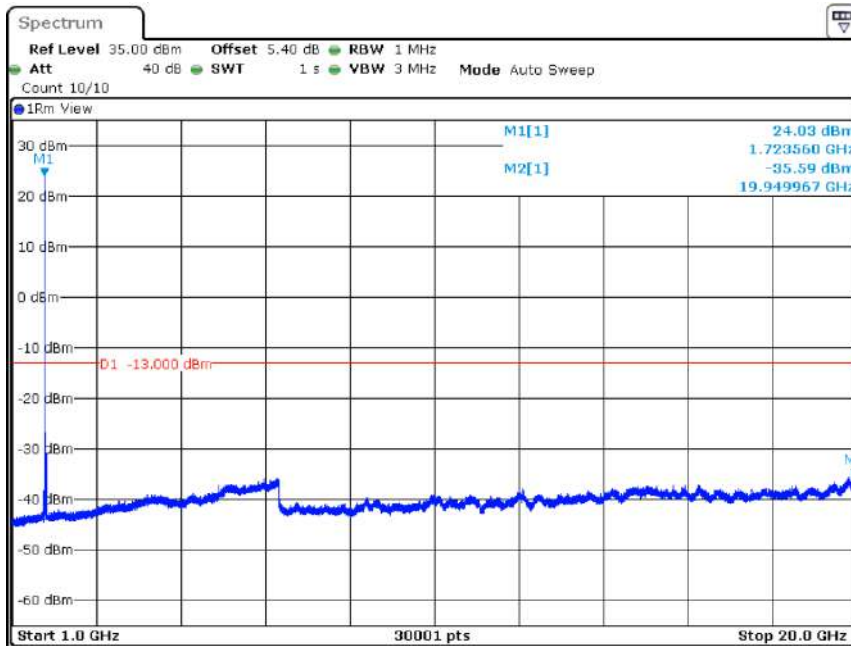


Date: 7 SEP.2020 11:30:06



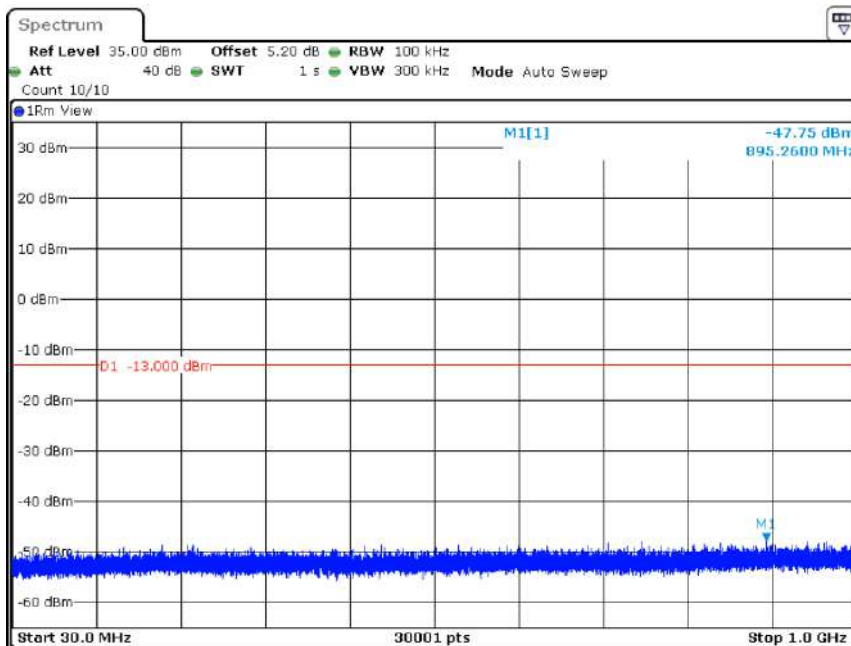
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**Band4-20MHz-16QAM-20175-1RB#0-Range2:1000~20000MHz**



Date: 7 SEP.2020 11:30:22

**Band4-20MHz-16QAM-20300-1RB#0-Range1:30~1000MHz**

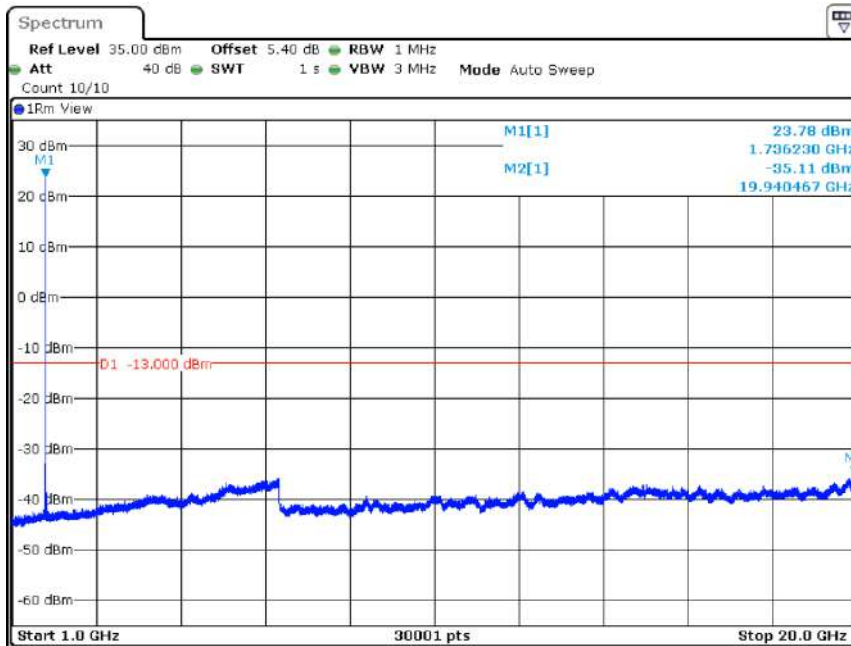


Date: 7 SEP.2020 11:31:16



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**Band4-20MHz-16QAM-20300-1RB#0-Range2:1000~20000MHz**



Date: 7 SEP.2020 11:31:32



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## 7. Field Strength of Spurious Radiation

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

#### 7.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
46.1028	-74.06	-13.00	61.06	187	130	Vertical
110.2230	-64.68	-13.00	51.68	165	256	Vertical
313.0602	-68.27	-13.00	55.27	159	225	Vertical
3422.0141	-62.32	-13.00	49.32	174	225	Vertical
7962.6654	-55.83	-13.00	42.83	158	288	Vertical
17998.5000	-40.65	-13.00	27.65	163	98	Vertical
41.6891	-63.85	-13.00	50.85	241	320	Horizontal
231.9156	-67.77	-13.00	54.77	258	256	Horizontal
2703.5407	-35.50	-13.00	22.50	265	119	Horizontal
3422.0141	-61.13	-13.00	48.13	247	225	Horizontal
7472.1491	-56.37	-13.00	43.37	259	162	Horizontal
16396.4465	-43.79	-13.00	30.79	217	98	Horizontal

#### 7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
50.3225	-73.36	-13.00	60.36	247	162	Vertical
113.7637	-65.48	-13.00	52.48	251	66	Vertical
381.3516	-68.41	-13.00	55.41	259	225	Vertical
3824.5275	-61.89	-13.00	48.89	241	352	Vertical
7329.6443	-55.76	-13.00	42.76	258	257	Vertical
17999.5000	-40.50	-13.00	27.50	263	4	Vertical
43.1927	-64.75	-13.00	51.75	241	352	Horizontal
88.4939	-74.00	-13.00	61.00	258	320	Horizontal
234.8257	-68.05	-13.00	55.05	254	67	Horizontal
3643.0214	-60.89	-13.00	47.89	296	257	Horizontal
7472.1491	-56.18	-13.00	43.18	248	225	Horizontal
16395.4465	-43.50	-13.00	30.50	251	288	Horizontal



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### 7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
48.4794	-73.19	-13.00	60.19	274	35	Vertical
110.4170	-65.43	-13.00	52.43	259	256	Vertical
495.6233	-66.67	-13.00	53.67	263	67	Vertical
5099.0700	-61.97	-13.00	48.97	274	351	Vertical
7480.1493	-55.87	-13.00	42.87	258	351	Vertical
17996.9999	-40.25	-13.00	27.25	247	288	Vertical
44.2112	-64.49	-13.00	51.49	187	320	Horizontal
99.8920	-75.52	-13.00	62.52	165	288	Horizontal
231.3821	-68.58	-13.00	55.58	187	98	Horizontal
3633.5211	-61.29	-13.00	48.29	165	351	Horizontal
7475.1492	-56.08	-13.00	43.08	189	161	Horizontal
16393.9465	-43.40	-13.00	30.40	174	67	Horizontal

**Remark:**

- 1 According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.
- 2 The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data displayed in this report.
- 3 all modulation and all Bandwidth had been tested, but only the worst case data displayed in this report.



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## 8. Frequency Stability

### 8.1. Frequency Vs Voltage

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	VL	NT	5.10	0.002965	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VN	NT	1.70	0.000988	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VH	NT	1.80	0.001047	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	2.60	0.001501	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	3.10	0.001789	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	1.70	0.000981	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VL	NT	-0.50	-0.000287	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VN	NT	0.40	0.000229	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VH	NT	-3.80	-0.002178	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	VL	NT	1.10	0.000640	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	VN	NT	3.00	0.001744	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	VH	NT	1.10	0.000640	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	VL	NT	3.60	0.002078	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	VN	NT	0.50	0.000289	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	VH	NT	0.30	0.000173	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	VL	NT	-3.00	-0.001719	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	VN	NT	-3.20	-0.001834	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	VH	NT	-0.10	-0.000057	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VL	NT	3.70	0.002151	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VN	NT	4.00	0.002326	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VH	NT	3.30	0.001919	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VL	NT	1.30	0.000750	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VN	NT	0.50	0.000289	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VH	NT	-0.40	-0.000231	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VL	NT	-1.60	-0.000917	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VN	NT	-0.80	-0.000458	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VH	NT	-3.30	-0.001891	±2.5	PASS



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### 8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	NV	-30	0.70	0.000407	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-20	0.50	0.000291	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-10	1.60	0.000930	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	0	3.40	0.001977	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	10	3.10	0.001802	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	20	1.60	0.000930	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	30	0.60	0.000349	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	40	3.20	0.001860	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	50	2.90	0.001686	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	0.00	0.000000	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	3.90	0.002251	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-10	0.40	0.000231	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	4.50	0.002597	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	1.50	0.000866	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	1.10	0.000635	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	-0.70	-0.000404	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	-2.10	-0.001212	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	2.60	0.001501	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-30	-2.40	-0.001375	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-20	-0.50	-0.000287	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-10	-2.10	-0.001203	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	0	-3.10	-0.001777	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	10	-0.80	-0.000458	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	20	-1.30	-0.000745	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	30	-3.20	-0.001834	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	40	-3.50	-0.002006	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	50	-3.30	-0.001891	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	-30	3.40	0.001977	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	-20	4.30	0.002500	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	-10	-1.00	-0.000581	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	0	3.30	0.001919	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	10	0.40	0.000233	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	20	3.60	0.002093	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	30	2.70	0.001570	±2.5	PASS



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Band4	20MHz	64QAM	20050	100RB#0	NV	40	2.20	0.001279	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	50	2.50	0.001453	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	-30	2.20	0.001270	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	-20	2.90	0.001674	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	-10	2.50	0.001443	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	0	-1.00	-0.000577	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	10	2.30	0.001328	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	20	2.10	0.001212	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	30	-0.50	-0.000289	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	40	0.00	0.000000	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	50	1.60	0.000924	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	-30	-2.60	-0.001490	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	-20	-2.10	-0.001203	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	-10	-1.20	-0.000688	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	0	0.10	0.000057	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	10	-3.60	-0.002063	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	20	-1.50	-0.000860	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	30	-1.10	-0.000630	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	40	-0.70	-0.000401	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	50	-2.80	-0.001605	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-30	2.00	0.001163	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-20	1.70	0.000988	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-10	4.70	0.002733	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	0	0.30	0.000174	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	10	1.60	0.000930	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	20	2.40	0.001395	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	30	1.10	0.000640	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	40	0.90	0.000523	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	50	1.00	0.000581	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-30	1.10	0.000635	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-20	2.10	0.001212	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-10	-2.20	-0.001270	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	0	-0.10	-0.000058	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	10	1.20	0.000693	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	20	0.10	0.000058	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	30	2.10	0.001212	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	40	0.20	0.000115	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	50	3.20	0.001847	±2.5	PASS



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Band4	20MHz	16QAM	20300	100RB#0	NV	-30	-2.70	-0.001547	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-20	-2.90	-0.001662	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-10	-4.70	-0.002693	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	0	-1.00	-0.000573	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	10	-1.30	-0.000745	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	20	-1.20	-0.000688	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	30	-1.80	-0.001032	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	40	-1.90	-0.001089	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	50	-1.60	-0.000917	±2.5	PASS



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