

Appendix B

E-UTRA Band 4



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CONTENT

1 EFFECTIVE (ISOTROPIC) RADIATED POWER	4
TEST RESULT	4
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 PLOTS.....	52
6 SPURIOUS EMISSION AT ANTENNA TERMINAL	89
6.1 TEST PLOTS.....	89
7 FIELD STRENGTH OF SPURIOUS RADIATION	99
7.1 Test Band = LTE_4 _TM1	99
7.1.1 Test Channel = Low Channel	99
7.2 Test Band = LTE_4 _TM1	100
7.2.1 Test Channel = Low Channel	100
7.3 Test Band = LTE_4 _TM1	101
7.3.1 Test Channel = Middle Channel	101
7.4 Test Band = LTE_4 _TM1	102
7.4.1 Test Channel = Middle Channel	102
7.5 Test Band = LTE_4 _TM1	103
7.5.1 Test Channel = High Channel	103



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7.6	Test Band = LTE_4 _TM1	104
7.6.1	Test Channel = High Channel	104
8	FREQUENCY STABILITY.....	105
8.1	FREQUENCY VS VOLTAGE	105
8.2	FREQUENCY VS TEMPERATURE	106

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1 Effective (Isotropic) Radiated Power

Test Result

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	22.61	22.02	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	22.64	22.05	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	22.51	21.92	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	22.61	22.02	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	22.58	21.99	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	22.71	22.12	30.00	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	21.64	21.05	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	22.73	22.14	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	22.90	22.31	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	22.82	22.23	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	23.01	22.42	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	23.01	22.42	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	22.94	22.35	30.00	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	21.95	21.36	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	22.65	22.06	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	22.89	22.30	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	22.80	22.21	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	22.86	22.27	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	22.88	22.29	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	22.88	22.29	30.00	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	21.81	21.22	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	21.89	21.30	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	22.07	21.48	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	21.78	21.19	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	21.84	21.25	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	21.90	21.31	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	21.63	21.04	30.00	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	20.80	20.21	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	21.97	21.38	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	21.83	21.24	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	21.91	21.32	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	22.14	21.55	30.00	PASS

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Band4	1.4MHz	16QAM	20175	3RB#1	22.08	21.49	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	21.98	21.39	30.00	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	21.11	20.52	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	21.97	21.38	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	22.04	21.45	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	21.02	20.43	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	21.73	21.14	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	21.77	21.18	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	21.76	21.17	30.00	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	20.77	20.18	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#0	20.59	20.00	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#2	20.59	20.00	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#5	20.50	19.91	30.00	PASS
Band4	1.4MHz	64QAM	19957	3RB#0	20.51	19.92	30.00	PASS
Band4	1.4MHz	64QAM	19957	3RB#1	20.53	19.94	30.00	PASS
Band4	1.4MHz	64QAM	19957	3RB#3	20.66	20.07	30.00	PASS
Band4	1.4MHz	64QAM	19957	6RB#0	19.56	18.97	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#0	20.65	20.06	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#2	20.84	20.25	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#5	20.79	20.20	30.00	PASS
Band4	1.4MHz	64QAM	20175	3RB#0	20.99	20.40	30.00	PASS
Band4	1.4MHz	64QAM	20175	3RB#1	20.94	20.35	30.00	PASS
Band4	1.4MHz	64QAM	20175	3RB#3	20.85	20.26	30.00	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	19.91	19.32	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#0	20.57	19.98	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#2	20.82	20.23	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#5	20.78	20.19	30.00	PASS
Band4	1.4MHz	64QAM	20393	3RB#0	20.80	20.21	30.00	PASS
Band4	1.4MHz	64QAM	20393	3RB#1	20.86	20.27	30.00	PASS
Band4	1.4MHz	64QAM	20393	3RB#3	20.84	20.25	30.00	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	19.80	19.21	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#0	22.58	21.99	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#8	22.50	21.91	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#14	22.78	22.19	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#0	21.72	21.13	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#4	21.78	21.19	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#7	21.77	21.18	30.00	PASS
Band4	3MHz	QPSK	19965	15RB#0	21.60	21.01	30.00	PASS

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Band4	3MHz	QPSK	20175	1RB#0	22.97	22.38	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#8	22.90	22.31	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#14	22.68	22.09	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#0	21.98	21.39	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#4	21.92	21.33	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#7	21.91	21.32	30.00	PASS
Band4	3MHz	QPSK	20175	15RB#0	21.91	21.32	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#0	22.68	22.09	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#8	22.71	22.12	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#14	22.72	22.13	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#0	21.71	21.12	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#4	21.65	21.06	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#7	21.70	21.11	30.00	PASS
Band4	3MHz	QPSK	20385	15RB#0	21.61	21.02	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#0	21.80	21.21	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#8	21.66	21.07	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#14	21.45	20.86	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#0	20.85	20.26	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#4	20.77	20.18	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#7	20.91	20.32	30.00	PASS
Band4	3MHz	16QAM	19965	15RB#0	20.70	20.11	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#0	21.63	21.04	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#8	21.74	21.15	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#14	21.32	20.73	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#0	21.03	20.44	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#4	21.05	20.46	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#7	21.13	20.54	30.00	PASS
Band4	3MHz	16QAM	20175	15RB#0	21.09	20.50	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#0	21.21	20.62	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#8	21.13	20.54	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#14	21.99	21.40	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#0	20.83	20.24	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#4	20.77	20.18	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#7	20.83	20.24	30.00	PASS
Band4	3MHz	16QAM	20385	15RB#0	20.80	20.21	30.00	PASS
Band4	3MHz	64QAM	19965	1RB#0	20.50	19.91	30.00	PASS
Band4	3MHz	64QAM	19965	1RB#8	20.49	19.90	30.00	PASS
Band4	3MHz	64QAM	19965	1RB#14	20.72	20.13	30.00	PASS

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Band4	3MHz	64QAM	19965	8RB#0	19.72	19.13	30.00	PASS
Band4	3MHz	64QAM	19965	8RB#4	19.74	19.15	30.00	PASS
Band4	3MHz	64QAM	19965	8RB#7	19.69	19.10	30.00	PASS
Band4	3MHz	64QAM	19965	15RB#0	19.54	18.95	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#0	20.94	20.35	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#8	20.81	20.22	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#14	20.60	20.01	30.00	PASS
Band4	3MHz	64QAM	20175	8RB#0	19.94	19.35	30.00	PASS
Band4	3MHz	64QAM	20175	8RB#4	19.84	19.25	30.00	PASS
Band4	3MHz	64QAM	20175	8RB#7	19.90	19.31	30.00	PASS
Band4	3MHz	64QAM	20175	15RB#0	19.87	19.28	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#0	20.65	20.06	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#8	20.71	20.12	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#14	20.62	20.03	30.00	PASS
Band4	3MHz	64QAM	20385	8RB#0	19.65	19.06	30.00	PASS
Band4	3MHz	64QAM	20385	8RB#4	19.60	19.01	30.00	PASS
Band4	3MHz	64QAM	20385	8RB#7	19.65	19.06	30.00	PASS
Band4	3MHz	64QAM	20385	15RB#0	19.55	18.96	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#0	22.60	22.01	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#12	22.55	21.96	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#24	22.78	22.19	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#0	21.73	21.14	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#6	21.78	21.19	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#13	21.68	21.09	30.00	PASS
Band4	5MHz	QPSK	19975	25RB#0	21.66	21.07	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#0	22.90	22.31	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#12	22.75	22.16	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#24	22.51	21.92	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#0	21.89	21.30	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#6	21.96	21.37	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#13	21.76	21.17	30.00	PASS
Band4	5MHz	QPSK	20175	25RB#0	21.85	21.26	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#0	22.61	22.02	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#12	22.59	22.00	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#24	22.75	22.16	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#0	21.65	21.06	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#6	21.70	21.11	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#13	21.85	21.26	30.00	PASS

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Band4	5MHz	QPSK	20375	25RB#0	21.72	21.13	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#0	21.75	21.16	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#12	21.75	21.16	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#24	21.06	20.47	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#0	20.82	20.23	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#6	20.57	19.98	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#13	20.69	20.10	30.00	PASS
Band4	5MHz	16QAM	19975	25RB#0	20.75	20.16	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#0	22.08	21.49	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#12	21.69	21.10	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#24	21.77	21.18	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#0	20.76	20.17	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#6	21.01	20.42	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#13	20.75	20.16	30.00	PASS
Band4	5MHz	16QAM	20175	25RB#0	20.91	20.32	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#0	21.61	21.02	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#12	21.03	20.44	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#24	21.57	20.98	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#0	20.78	20.19	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#6	20.59	20.00	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#13	20.86	20.27	30.00	PASS
Band4	5MHz	16QAM	20375	25RB#0	20.89	20.30	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#0	20.54	19.95	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#12	20.52	19.93	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#24	20.74	20.15	30.00	PASS
Band4	5MHz	64QAM	19975	12RB#0	19.63	19.04	30.00	PASS
Band4	5MHz	64QAM	19975	12RB#6	19.76	19.17	30.00	PASS
Band4	5MHz	64QAM	19975	12RB#13	19.67	19.08	30.00	PASS
Band4	5MHz	64QAM	19975	25RB#0	19.59	19.00	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#0	20.86	20.27	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#12	20.68	20.09	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#24	20.43	19.84	30.00	PASS
Band4	5MHz	64QAM	20175	12RB#0	19.86	19.27	30.00	PASS
Band4	5MHz	64QAM	20175	12RB#6	19.87	19.28	30.00	PASS
Band4	5MHz	64QAM	20175	12RB#13	19.66	19.07	30.00	PASS
Band4	5MHz	64QAM	20175	25RB#0	19.85	19.26	30.00	PASS
Band4	5MHz	64QAM	20375	1RB#0	20.53	19.94	30.00	PASS
Band4	5MHz	64QAM	20375	1RB#12	20.53	19.94	30.00	PASS

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Band4	5MHz	64QAM	20375	1RB#24	20.70	20.11	30.00	PASS
Band4	5MHz	64QAM	20375	12RB#0	19.65	19.06	30.00	PASS
Band4	5MHz	64QAM	20375	12RB#6	19.70	19.11	30.00	PASS
Band4	5MHz	64QAM	20375	12RB#13	19.80	19.21	30.00	PASS
Band4	5MHz	64QAM	20375	25RB#0	19.62	19.03	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#0	22.83	22.24	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#24	22.85	22.26	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#49	22.85	22.26	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#0	21.77	21.18	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#12	21.75	21.16	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#25	21.73	21.14	30.00	PASS
Band4	10MHz	QPSK	20000	50RB#0	21.77	21.18	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#0	22.80	22.21	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#24	22.88	22.29	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#49	22.71	22.12	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#0	21.96	21.37	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#12	21.98	21.39	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#25	21.79	21.20	30.00	PASS
Band4	10MHz	QPSK	20175	50RB#0	21.89	21.30	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#0	22.83	22.24	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#24	22.80	22.21	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#49	22.91	22.32	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#0	21.85	21.26	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#12	21.92	21.33	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#25	21.90	21.31	30.00	PASS
Band4	10MHz	QPSK	20350	50RB#0	21.87	21.28	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#0	21.48	20.89	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#24	21.56	20.97	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#49	21.40	20.81	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#0	20.83	20.24	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#12	20.85	20.26	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#25	20.85	20.26	30.00	PASS
Band4	10MHz	16QAM	20000	50RB#0	20.86	20.27	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#0	21.79	21.20	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#24	22.22	21.63	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#49	21.65	21.06	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#0	21.02	20.43	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#12	21.07	20.48	30.00	PASS

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Band4	10MHz	16QAM	20175	25RB#25	20.97	20.38	30.00	PASS
Band4	10MHz	16QAM	20175	50RB#0	20.97	20.38	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#0	22.05	21.46	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#24	21.76	21.17	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#49	21.80	21.21	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#0	20.92	20.33	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#12	20.96	20.37	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#25	20.99	20.40	30.00	PASS
Band4	10MHz	16QAM	20350	50RB#0	20.97	20.38	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#0	20.80	20.21	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#24	20.77	20.18	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#49	20.82	20.23	30.00	PASS
Band4	10MHz	64QAM	20000	25RB#0	19.73	19.14	30.00	PASS
Band4	10MHz	64QAM	20000	25RB#12	19.68	19.09	30.00	PASS
Band4	10MHz	64QAM	20000	25RB#25	19.63	19.04	30.00	PASS
Band4	10MHz	64QAM	20000	50RB#0	19.71	19.12	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#0	20.70	20.11	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#24	20.86	20.27	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#49	20.66	20.07	30.00	PASS
Band4	10MHz	64QAM	20175	25RB#0	19.92	19.33	30.00	PASS
Band4	10MHz	64QAM	20175	25RB#12	19.97	19.38	30.00	PASS
Band4	10MHz	64QAM	20175	25RB#25	19.77	19.18	30.00	PASS
Band4	10MHz	64QAM	20175	50RB#0	19.87	19.28	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#0	20.76	20.17	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#24	20.74	20.15	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#49	20.88	20.29	30.00	PASS
Band4	10MHz	64QAM	20350	25RB#0	19.85	19.26	30.00	PASS
Band4	10MHz	64QAM	20350	25RB#12	19.91	19.32	30.00	PASS
Band4	10MHz	64QAM	20350	25RB#25	19.82	19.23	30.00	PASS
Band4	10MHz	64QAM	20350	50RB#0	19.84	19.25	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#0	22.79	22.20	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#38	22.75	22.16	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#74	22.85	22.26	30.00	PASS
Band4	15MHz	QPSK	20025	38RB#0	21.93	21.34	30.00	PASS
Band4	15MHz	QPSK	20025	38RB#18	21.83	21.24	30.00	PASS
Band4	15MHz	QPSK	20025	38RB#37	21.89	21.30	30.00	PASS
Band4	15MHz	QPSK	20025	75RB#0	21.81	21.22	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#0	22.75	22.16	30.00	PASS

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Band4	15MHz	QPSK	20175	1RB#38	22.62	22.03	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#74	22.71	22.12	30.00	PASS
Band4	15MHz	QPSK	20175	38RB#0	21.93	21.34	30.00	PASS
Band4	15MHz	QPSK	20175	38RB#18	21.92	21.33	30.00	PASS
Band4	15MHz	QPSK	20175	38RB#37	21.70	21.11	30.00	PASS
Band4	15MHz	QPSK	20175	75RB#0	21.83	21.24	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#0	23.10	22.51	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#38	22.75	22.16	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#74	22.93	22.34	30.00	PASS
Band4	15MHz	QPSK	20325	38RB#0	21.77	21.18	30.00	PASS
Band4	15MHz	QPSK	20325	38RB#18	21.70	21.11	30.00	PASS
Band4	15MHz	QPSK	20325	38RB#37	21.81	21.22	30.00	PASS
Band4	15MHz	QPSK	20325	75RB#0	21.86	21.27	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#0	21.35	20.76	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#38	21.23	20.64	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#74	21.55	20.96	30.00	PASS
Band4	15MHz	16QAM	20025	38RB#0	20.87	20.28	30.00	PASS
Band4	15MHz	16QAM	20025	38RB#18	20.83	20.24	30.00	PASS
Band4	15MHz	16QAM	20025	38RB#37	20.96	20.37	30.00	PASS
Band4	15MHz	16QAM	20025	75RB#0	20.91	20.32	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#0	22.12	21.53	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#38	22.14	21.55	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#74	22.08	21.49	30.00	PASS
Band4	15MHz	16QAM	20175	38RB#0	20.89	20.30	30.00	PASS
Band4	15MHz	16QAM	20175	38RB#18	20.92	20.33	30.00	PASS
Band4	15MHz	16QAM	20175	38RB#37	20.71	20.12	30.00	PASS
Band4	15MHz	16QAM	20175	75RB#0	20.89	20.30	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#0	21.74	21.15	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#38	21.25	20.66	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#74	21.24	20.65	30.00	PASS
Band4	15MHz	16QAM	20325	38RB#0	20.90	20.31	30.00	PASS
Band4	15MHz	16QAM	20325	38RB#18	20.79	20.20	30.00	PASS
Band4	15MHz	16QAM	20325	38RB#37	21.00	20.41	30.00	PASS
Band4	15MHz	16QAM	20325	75RB#0	20.81	20.22	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#0	20.72	20.13	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#38	20.71	20.12	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#74	20.76	20.17	30.00	PASS
Band4	15MHz	64QAM	20025	38RB#0	19.89	19.30	30.00	PASS

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Band4	15MHz	64QAM	20025	38RB#18	19.79	19.20	30.00	PASS
Band4	15MHz	64QAM	20025	38RB#37	19.83	19.24	30.00	PASS
Band4	15MHz	64QAM	20025	75RB#0	19.77	19.18	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#0	20.66	20.07	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#38	20.52	19.93	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#74	20.70	20.11	30.00	PASS
Band4	15MHz	64QAM	20175	38RB#0	19.86	19.27	30.00	PASS
Band4	15MHz	64QAM	20175	38RB#18	19.87	19.28	30.00	PASS
Band4	15MHz	64QAM	20175	38RB#37	19.66	19.07	30.00	PASS
Band4	15MHz	64QAM	20175	75RB#0	19.76	19.17	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#0	21.08	20.49	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#38	20.67	20.08	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#74	20.85	20.26	30.00	PASS
Band4	15MHz	64QAM	20325	38RB#0	19.69	19.10	30.00	PASS
Band4	15MHz	64QAM	20325	38RB#18	19.64	19.05	30.00	PASS
Band4	15MHz	64QAM	20325	38RB#37	19.72	19.13	30.00	PASS
Band4	15MHz	64QAM	20325	75RB#0	19.76	19.17	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#0	22.83	22.24	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#49	22.85	22.26	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#99	22.85	22.26	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#0	21.70	21.11	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#25	21.77	21.18	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#50	21.87	21.28	30.00	PASS
Band4	20MHz	QPSK	20050	100RB#0	21.72	21.13	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#0	22.97	22.38	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#49	22.87	22.28	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#99	22.55	21.96	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#0	21.98	21.39	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#25	21.96	21.37	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#50	21.77	21.18	30.00	PASS
Band4	20MHz	QPSK	20175	100RB#0	21.93	21.34	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#0	22.94	22.35	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#49	22.83	22.24	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#99	22.94	22.35	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#0	22.02	21.43	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#25	21.62	21.03	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#50	21.75	21.16	30.00	PASS
Band4	20MHz	QPSK	20300	100RB#0	21.75	21.16	30.00	PASS

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Band4	20MHz	16QAM	20050	1RB#0	21.44	20.85	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#49	21.35	20.76	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#99	21.29	20.70	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#0	20.79	20.20	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#25	20.76	20.17	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#50	20.81	20.22	30.00	PASS
Band4	20MHz	16QAM	20050	100RB#0	20.78	20.19	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#0	21.55	20.96	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#49	22.23	21.64	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#99	21.81	21.22	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#0	21.00	20.41	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#25	20.98	20.39	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#50	20.84	20.25	30.00	PASS
Band4	20MHz	16QAM	20175	100RB#0	20.87	20.28	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#0	21.69	21.10	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#49	21.32	20.73	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#99	21.16	20.57	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#0	21.20	20.61	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#25	20.90	20.31	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#50	20.78	20.19	30.00	PASS
Band4	20MHz	16QAM	20300	100RB#0	20.75	20.16	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#0	20.75	20.16	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#49	20.85	20.26	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#99	20.76	20.17	30.00	PASS
Band4	20MHz	64QAM	20050	50RB#0	19.63	19.04	30.00	PASS
Band4	20MHz	64QAM	20050	50RB#25	19.70	19.11	30.00	PASS
Band4	20MHz	64QAM	20050	50RB#50	19.80	19.21	30.00	PASS
Band4	20MHz	64QAM	20050	100RB#0	19.67	19.08	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#0	20.94	20.35	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#49	20.79	20.20	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#99	20.51	19.92	30.00	PASS
Band4	20MHz	64QAM	20175	50RB#0	19.88	19.29	30.00	PASS
Band4	20MHz	64QAM	20175	50RB#25	19.89	19.30	30.00	PASS
Band4	20MHz	64QAM	20175	50RB#50	19.68	19.09	30.00	PASS
Band4	20MHz	64QAM	20175	100RB#0	19.91	19.32	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#0	20.93	20.34	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#49	20.74	20.15	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#99	20.94	20.35	30.00	PASS

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Band4	20MHz	64QAM	20300	50RB#0	20.00	19.41	30.00	PASS
Band4	20MHz	64QAM	20300	50RB#25	19.53	18.94	30.00	PASS
Band4	20MHz	64QAM	20300	50RB#50	19.69	19.10	30.00	PASS
Band4	20MHz	64QAM	20300	100RB#0	19.72	19.13	30.00	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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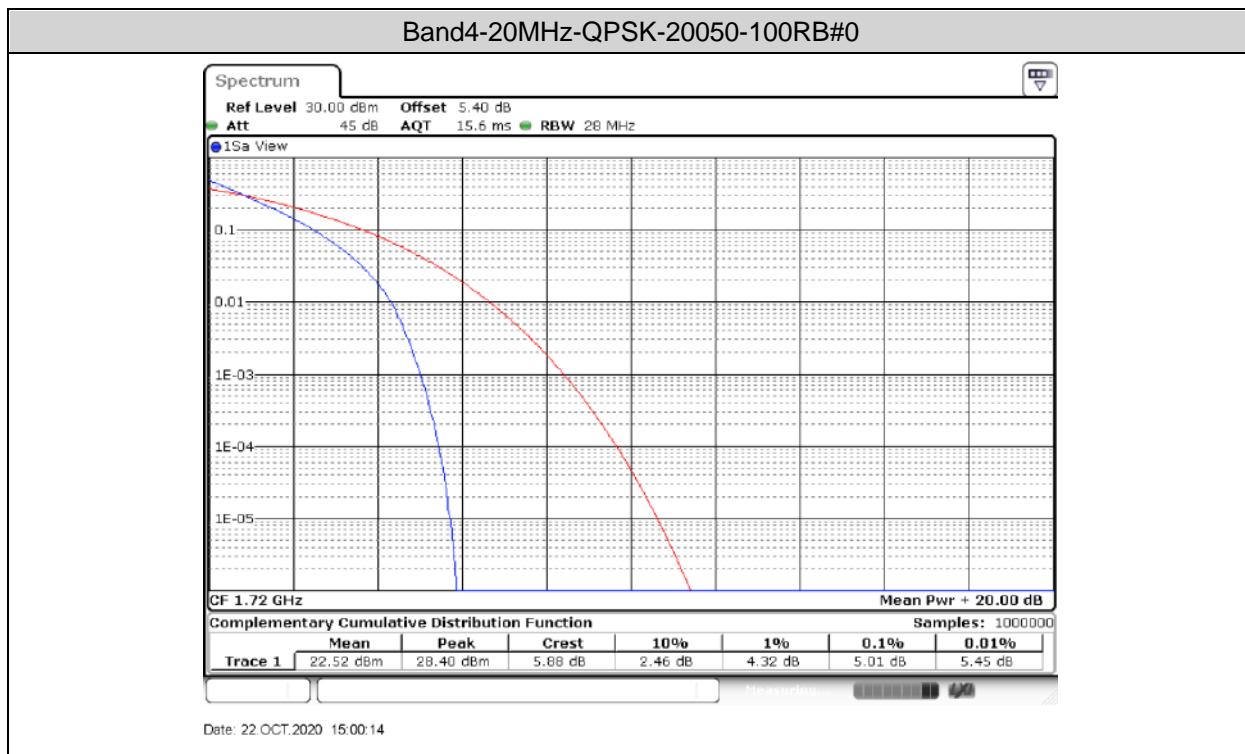
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2 Peak-to-Average Ratio (CCDF)

2.1 Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	5.01	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	4.81	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	4.96	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	5.86	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	5.77	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	5.83	13	PASS
Band4	20MHz	64QAM	20050	100RB#0	6.55	13	PASS
Band4	20MHz	64QAM	20175	100RB#0	6.46	13	PASS
Band4	20MHz	64QAM	20300	100RB#0	6.52	13	PASS

2.2 Test Plots



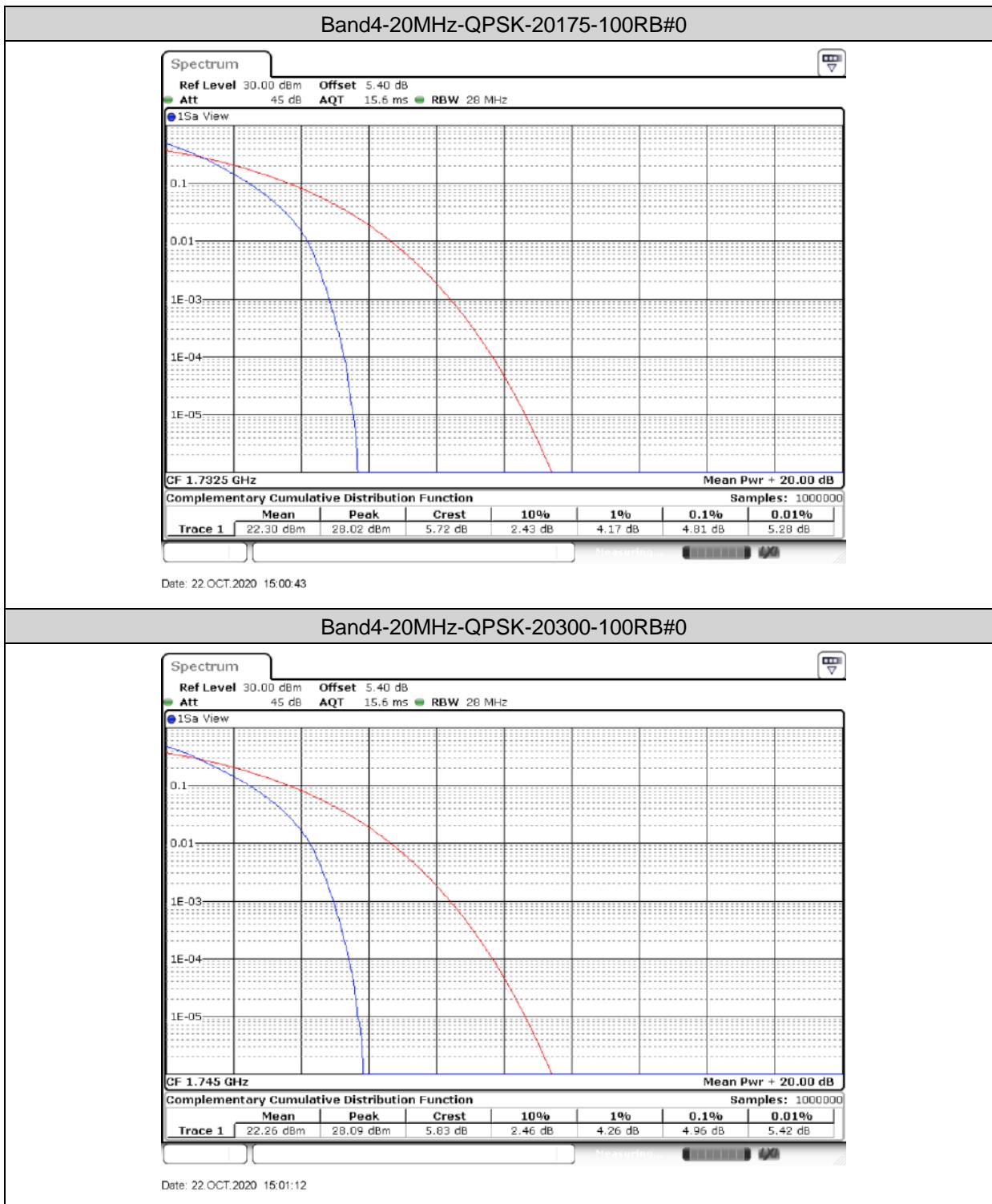
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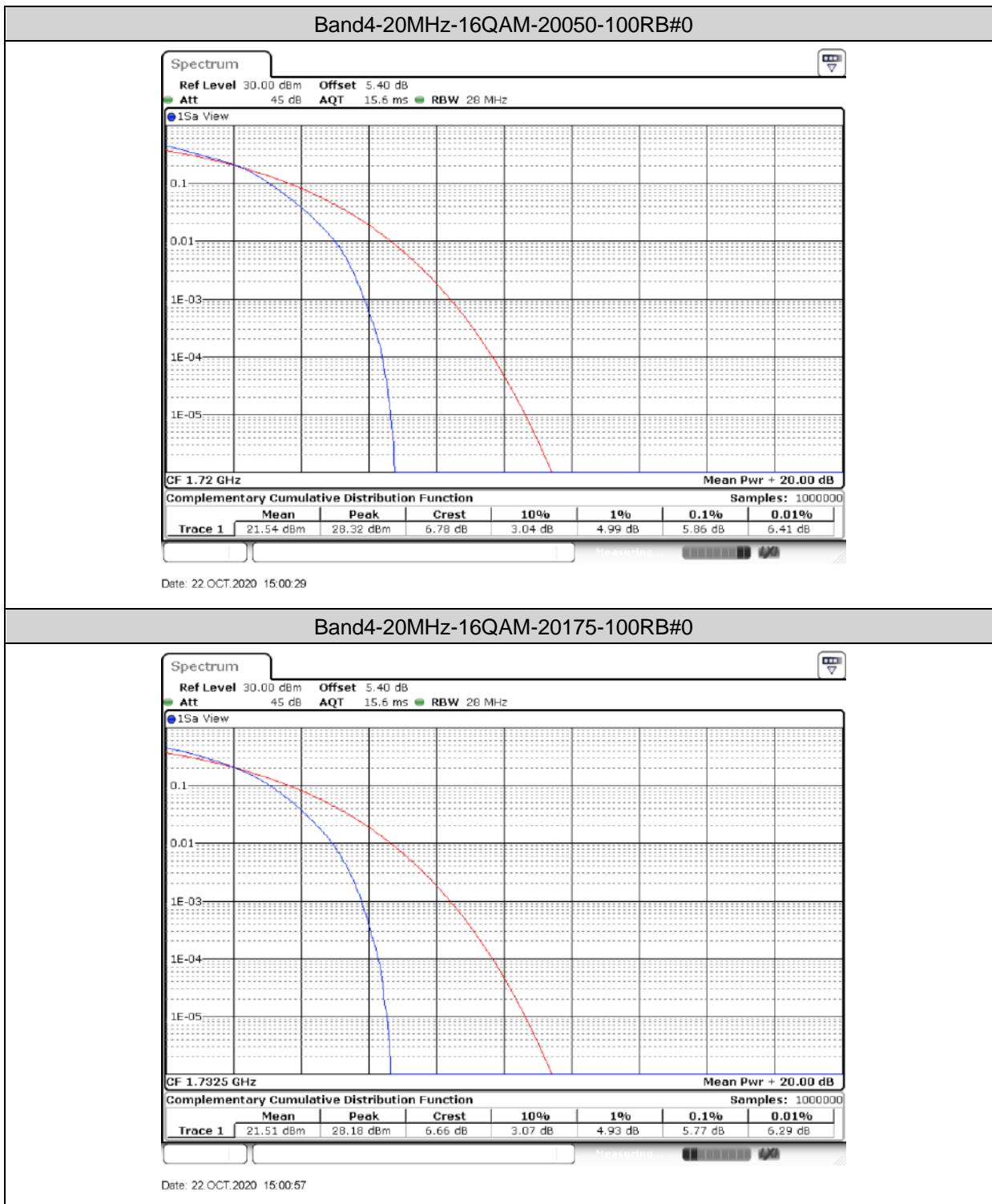
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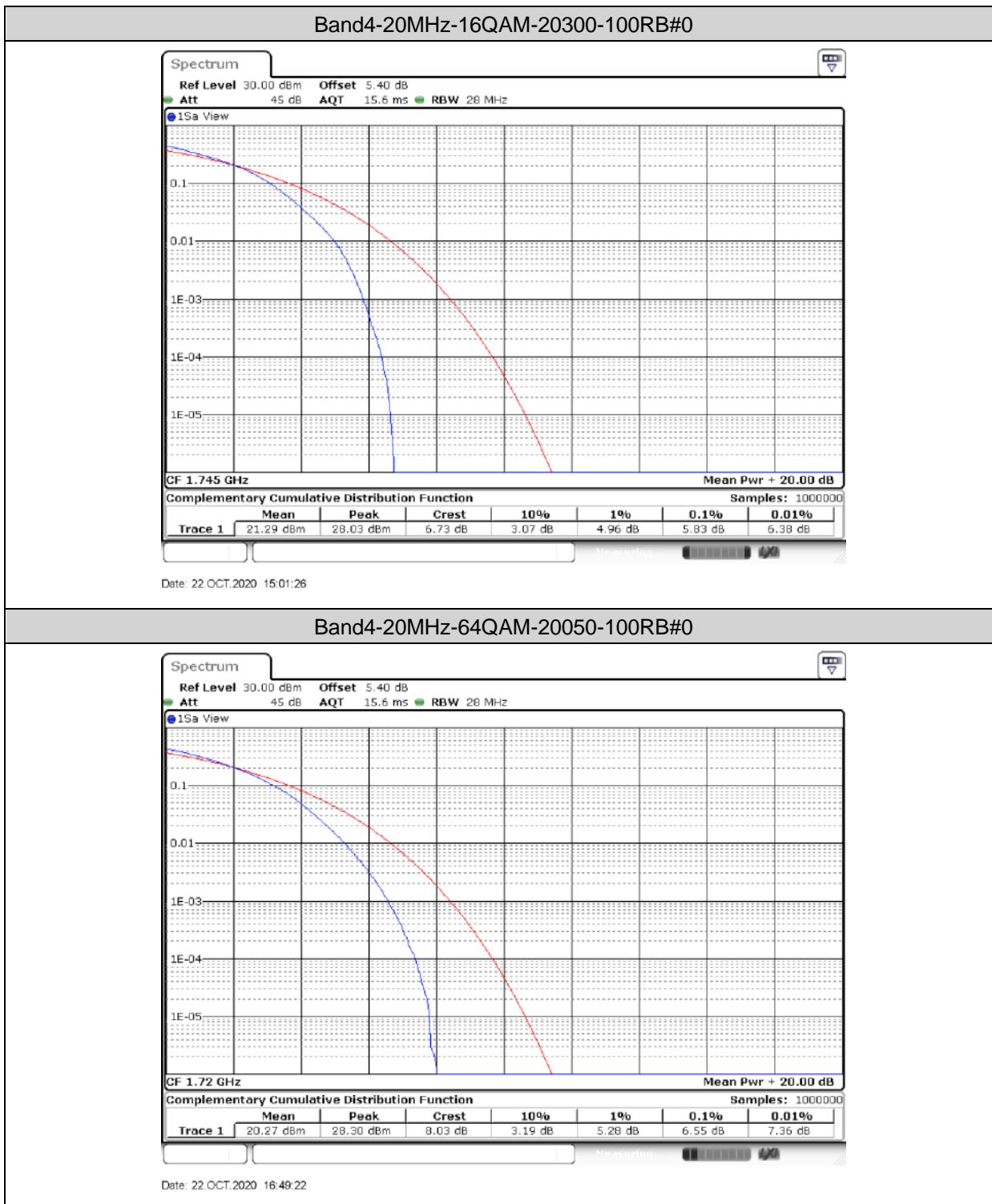




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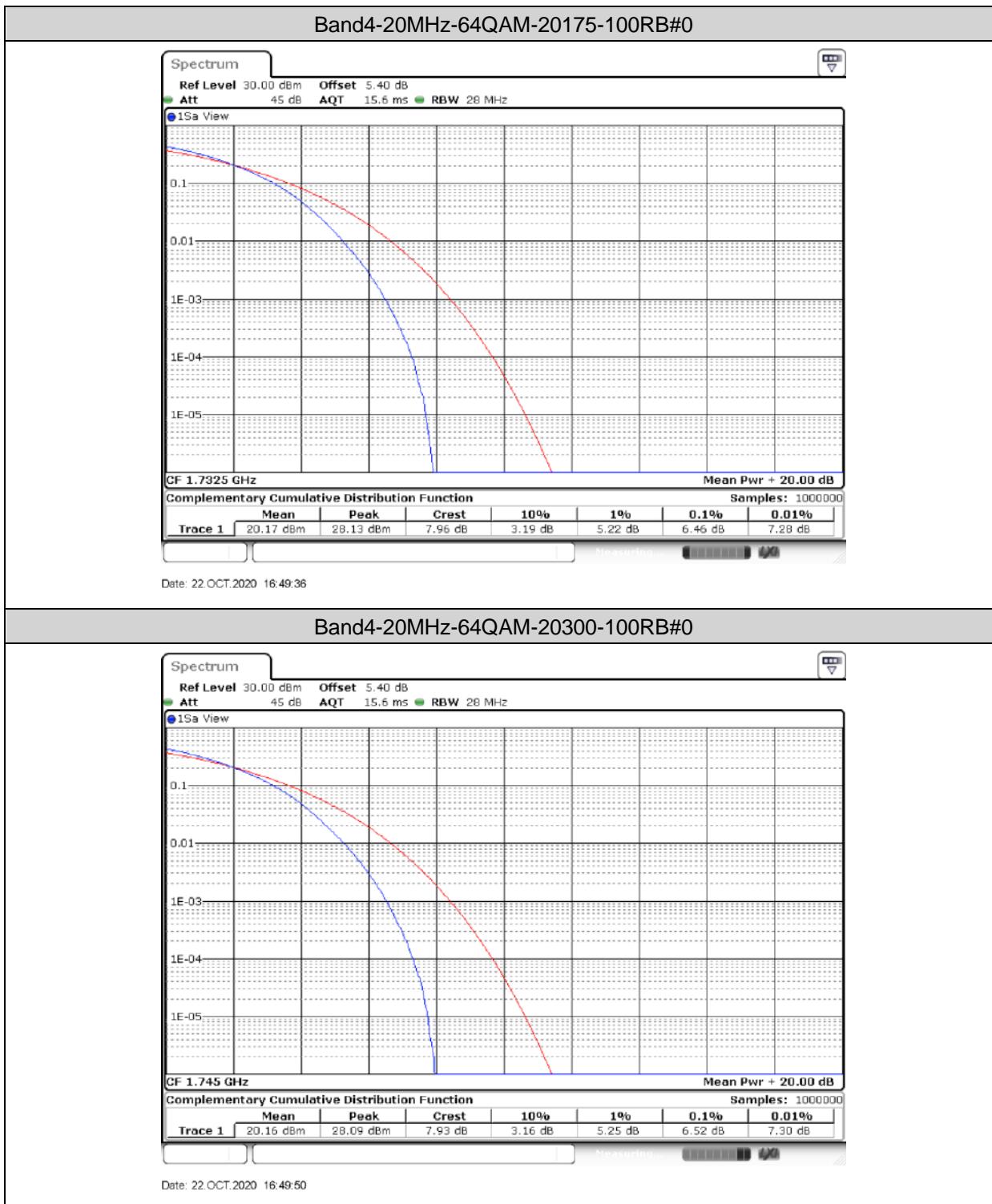




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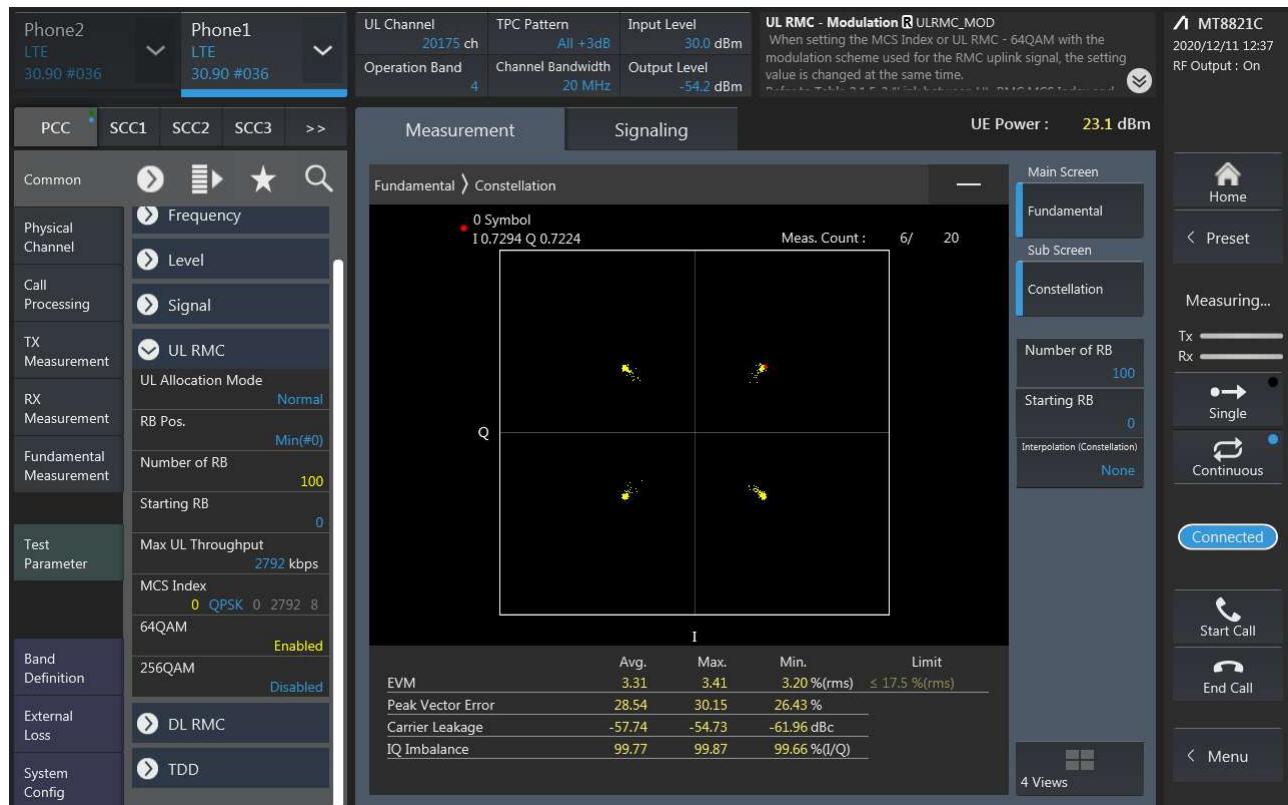
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3 Modulation Characteristics

3.1 Test Mode = LTE /TM1 20MHz

3.1.1 Test Channel = MCH



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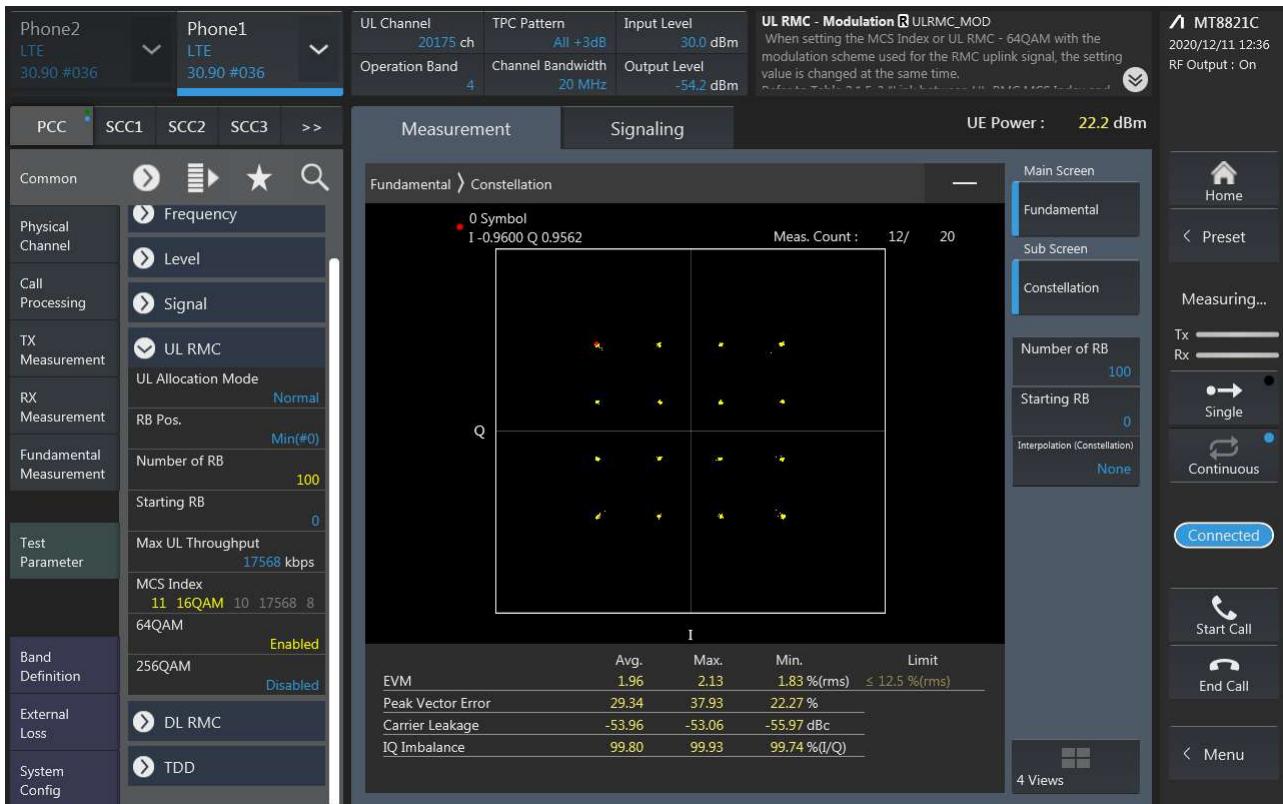


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3.2 Test Mode = LTE /TM2 20MHz

3.2.1 Test Channel = MCH



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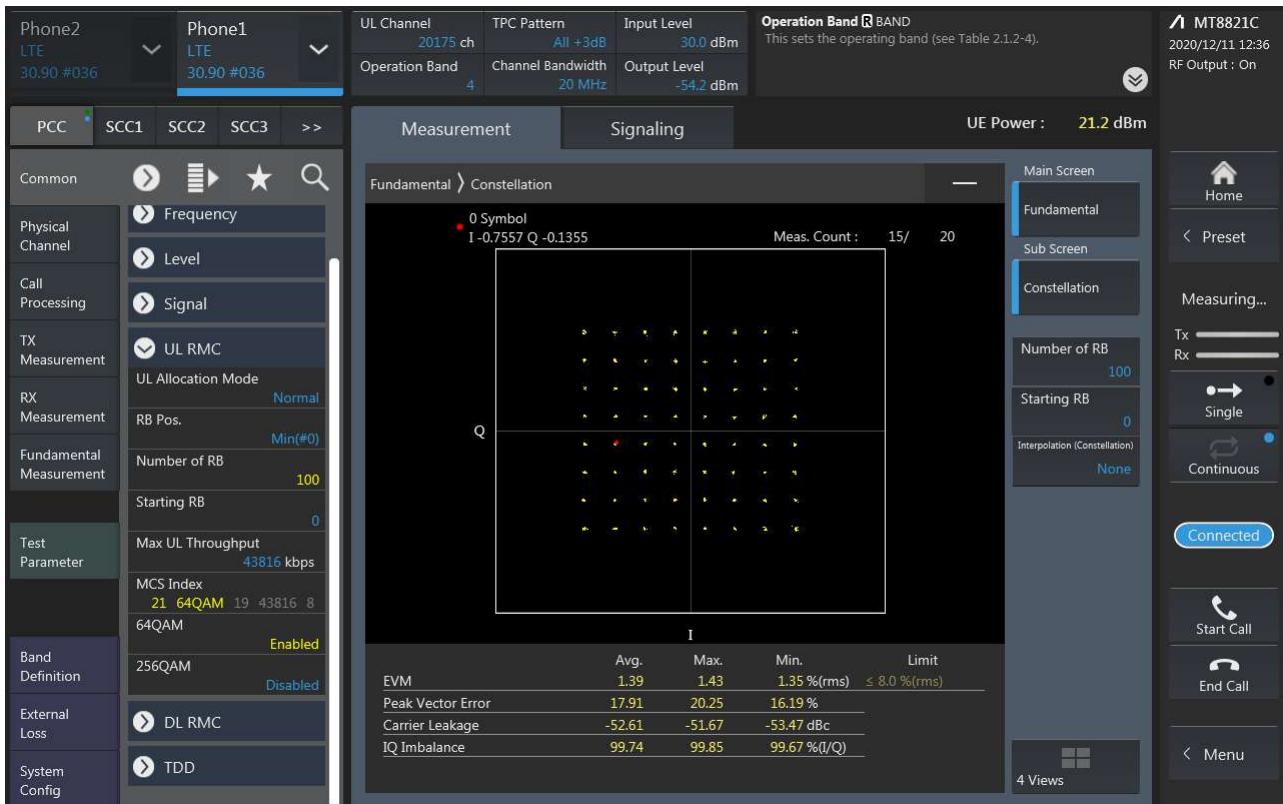


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3.3 Test Mode = LTE /TM3 20MHz

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	1.293	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.097	1.281	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.091	1.284	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.091	1.278	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.094	1.284	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.088	1.278	PASS
Band4	1.4MHz	64QAM	19957	6RB#0	1.097	1.293	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	1.097	1.266	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	1.094	1.296	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.691	3.006	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.691	2.994	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.697	2.982	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.685	2.964	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.685	2.970	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.685	2.976	PASS
Band4	3MHz	64QAM	19965	15RB#0	2.685	2.970	PASS
Band4	3MHz	64QAM	20175	15RB#0	2.685	2.970	PASS
Band4	3MHz	64QAM	20385	15RB#0	2.697	2.982	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.476	4.920	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.476	4.920	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.466	4.900	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.486	4.950	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.486	4.930	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.486	4.960	PASS
Band4	5MHz	64QAM	19975	25RB#0	4.476	4.910	PASS
Band4	5MHz	64QAM	20175	25RB#0	4.466	4.920	PASS
Band4	5MHz	64QAM	20375	25RB#0	4.476	4.920	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.911	9.680	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.891	9.700	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.911	9.700	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.911	9.680	PASS

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Band4	10MHz	16QAM	20175	50RB#0	8.911	9.720	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.911	9.760	PASS
Band4	10MHz	64QAM	20000	50RB#0	8.931	9.700	PASS
Band4	10MHz	64QAM	20175	50RB#0	8.911	9.580	PASS
Band4	10MHz	64QAM	20350	50RB#0	8.931	9.660	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.457	14.670	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.397	14.730	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.457	14.760	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.427	14.820	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.427	14.640	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.457	14.730	PASS
Band4	15MHz	64QAM	20025	75RB#0	13.457	14.730	PASS
Band4	15MHz	64QAM	20175	75RB#0	13.397	14.700	PASS
Band4	15MHz	64QAM	20325	75RB#0	13.397	14.760	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.862	19.400	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.782	19.240	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.862	19.360	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.902	19.480	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.782	19.320	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.902	19.400	PASS
Band4	20MHz	64QAM	20050	100RB#0	17.862	19.520	PASS
Band4	20MHz	64QAM	20175	100RB#0	17.782	19.360	PASS
Band4	20MHz	64QAM	20300	100RB#0	17.862	19.400	PASS

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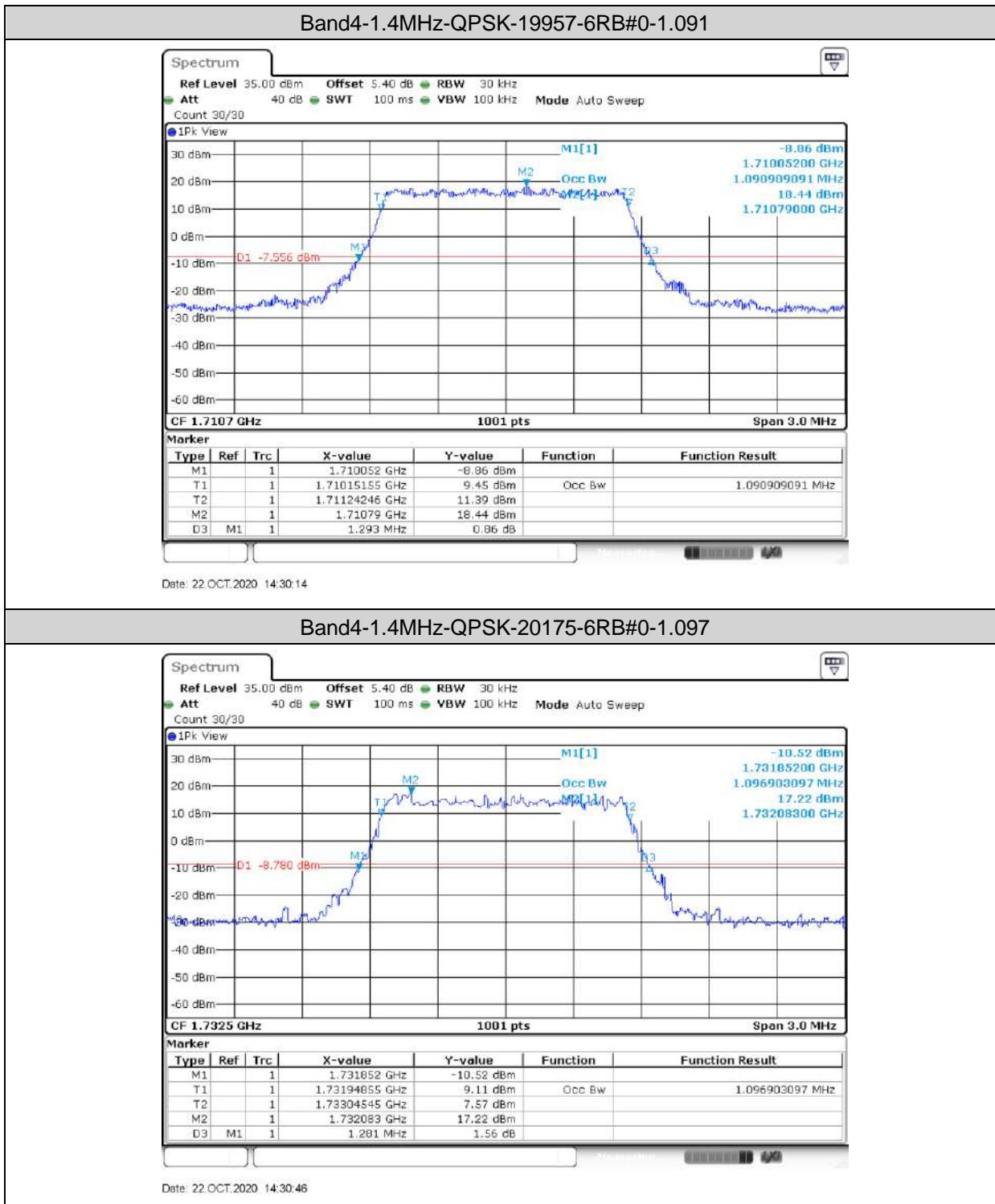
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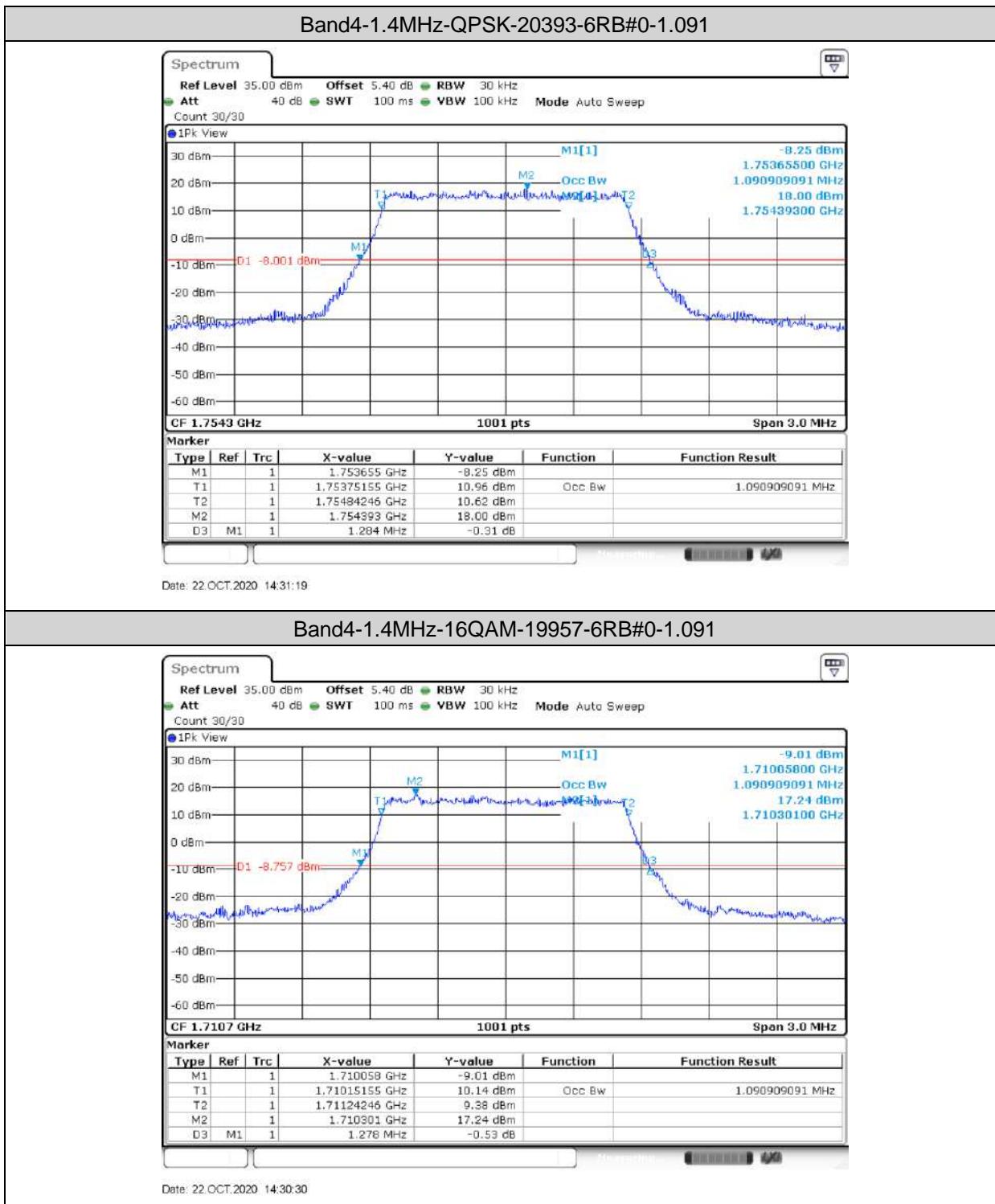
4.2 Test Plots



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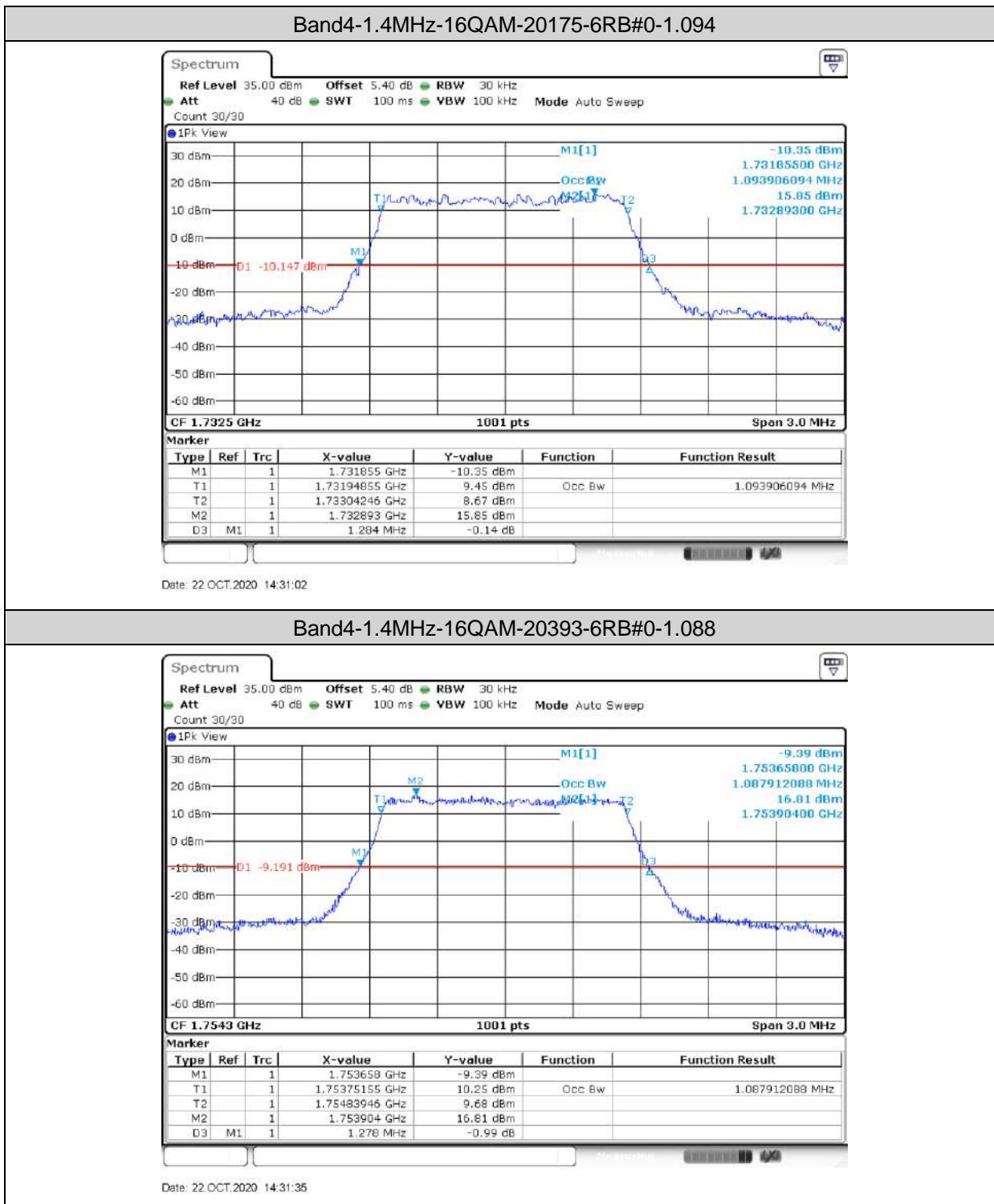


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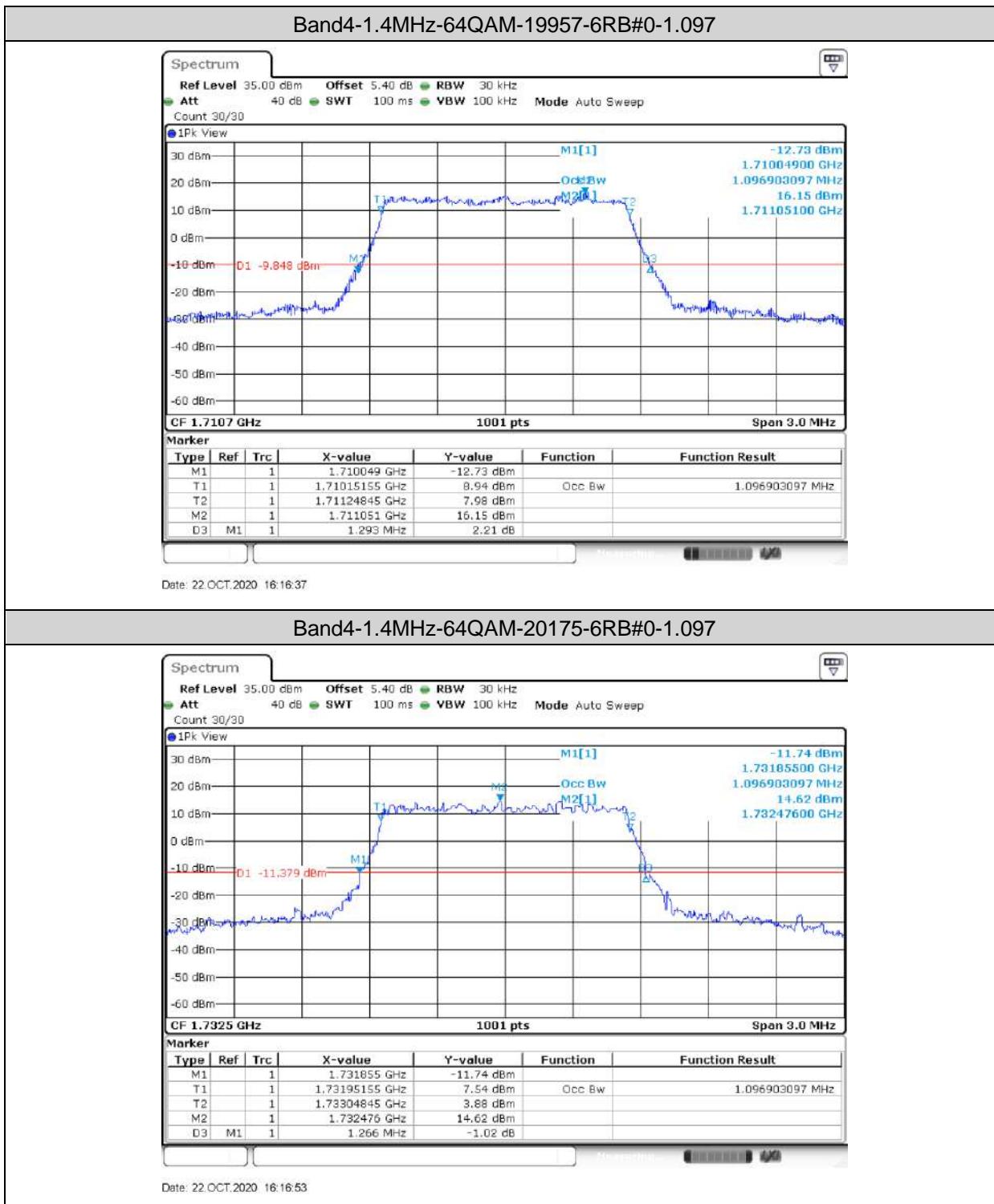
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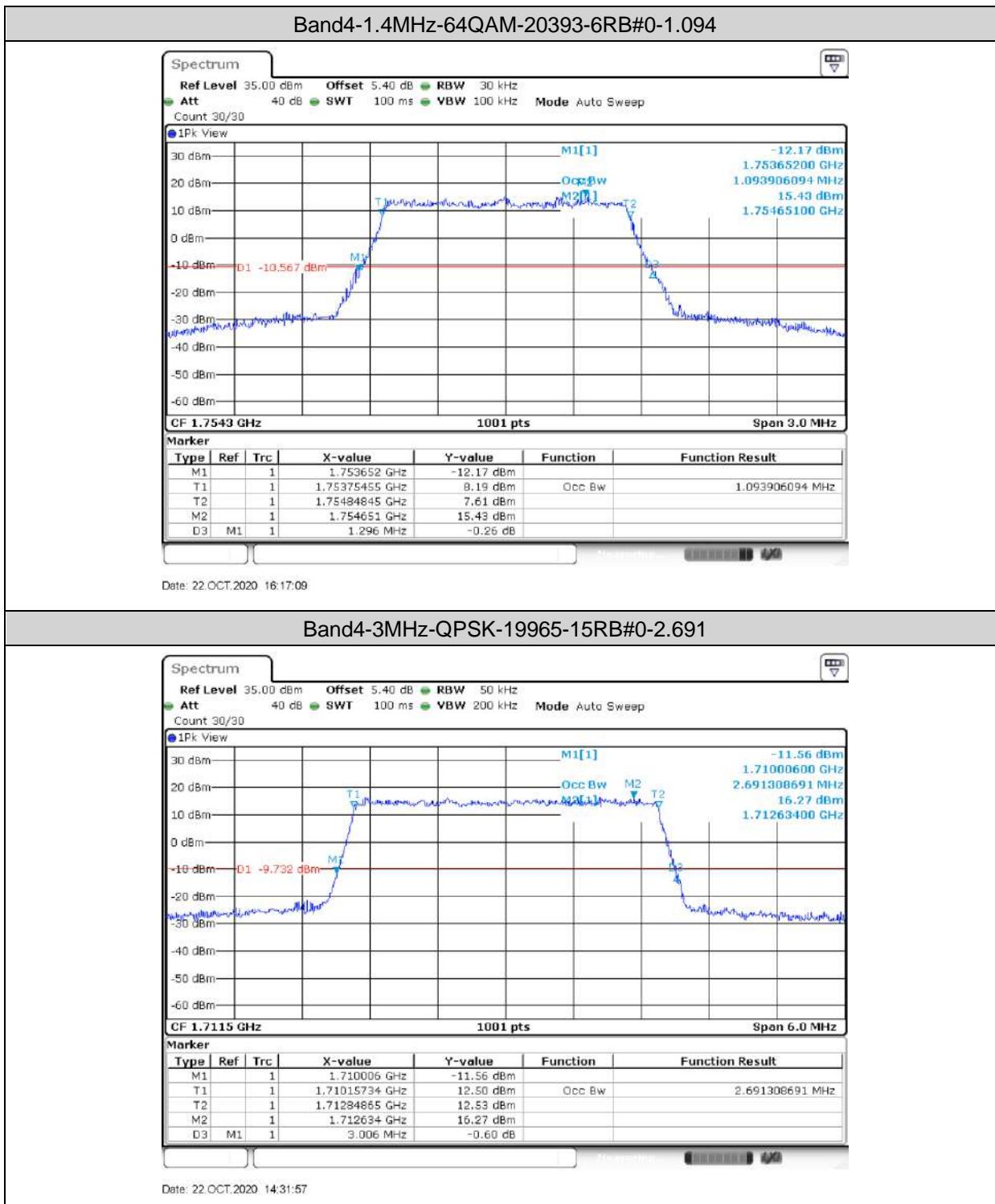




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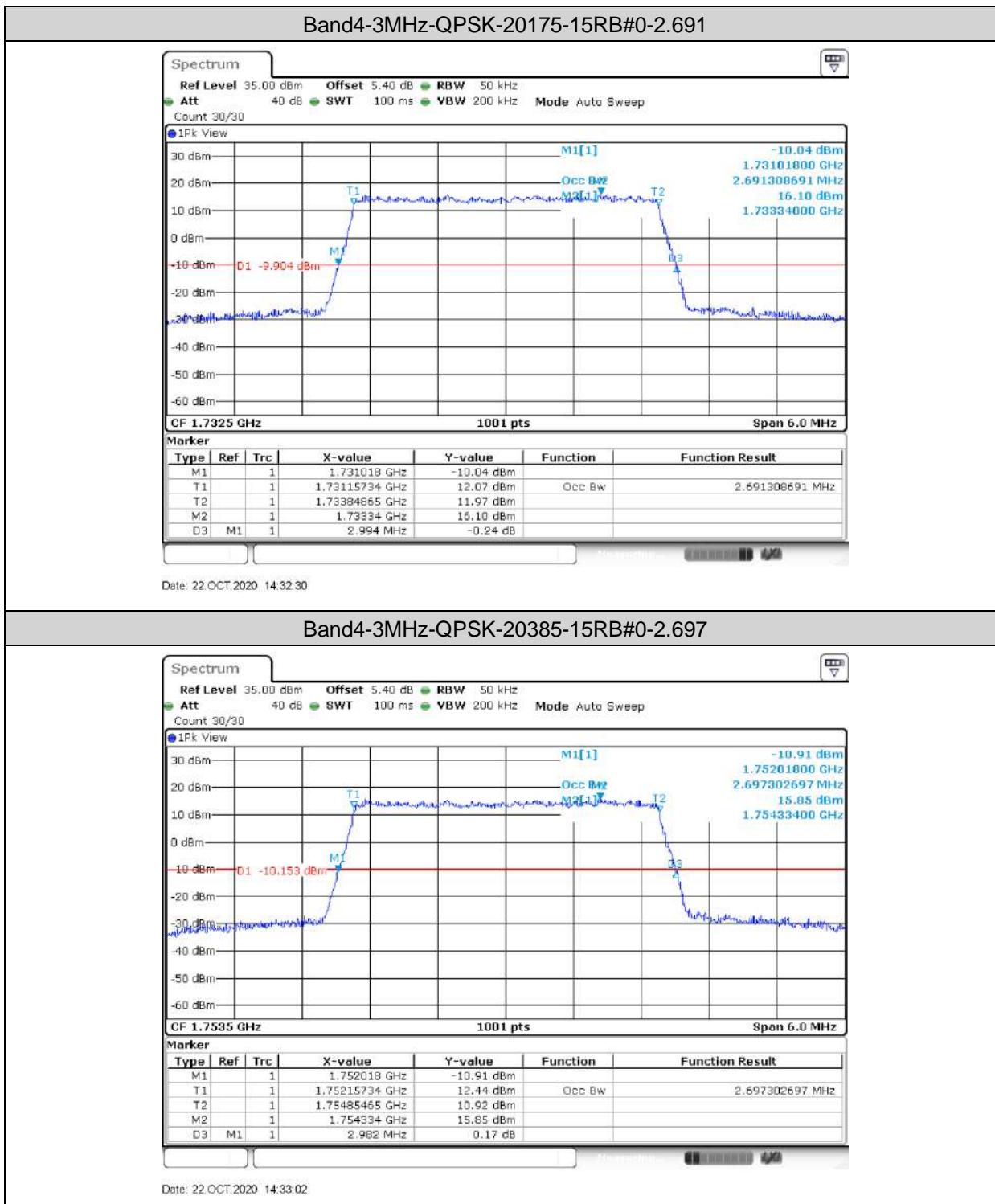




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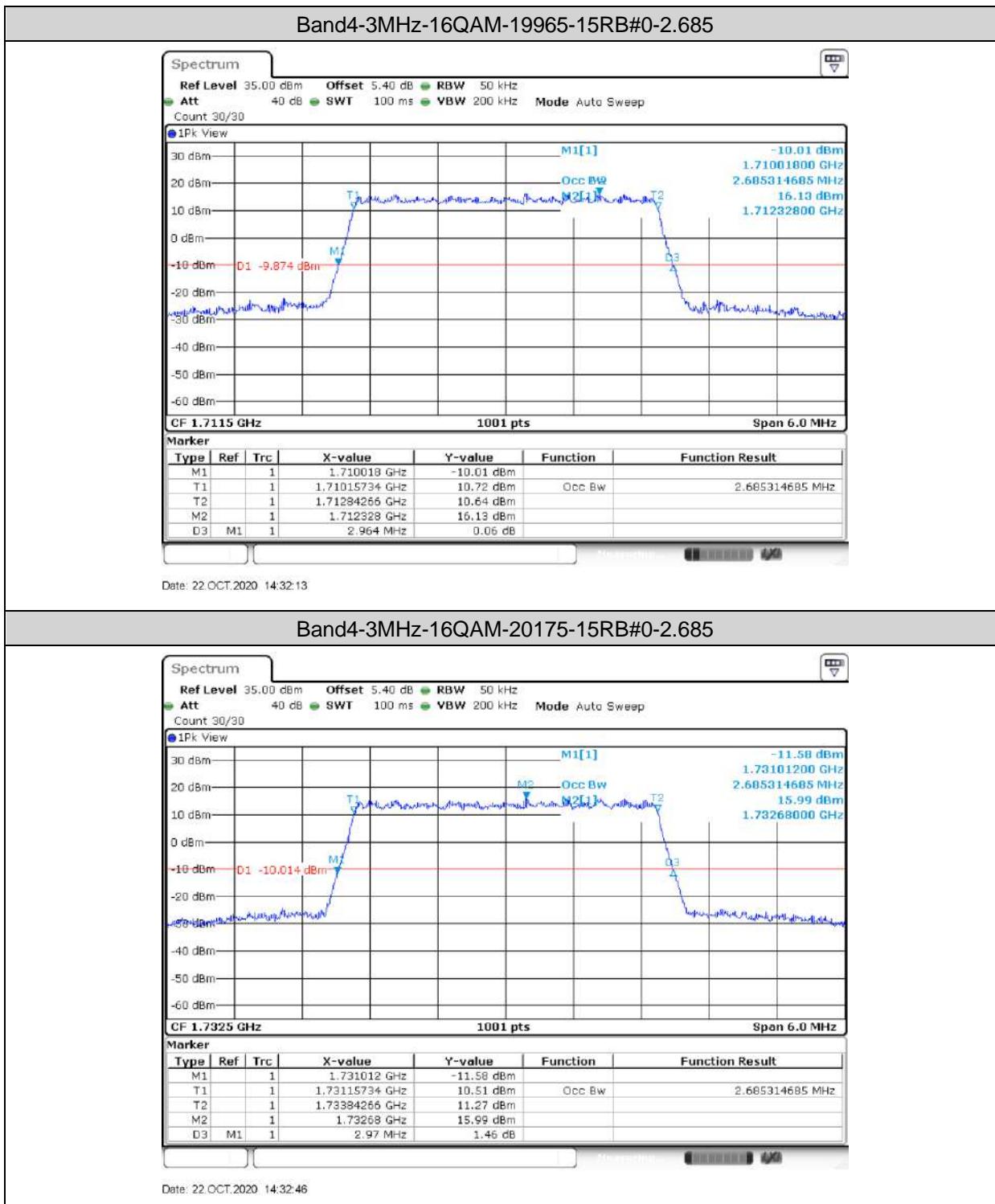




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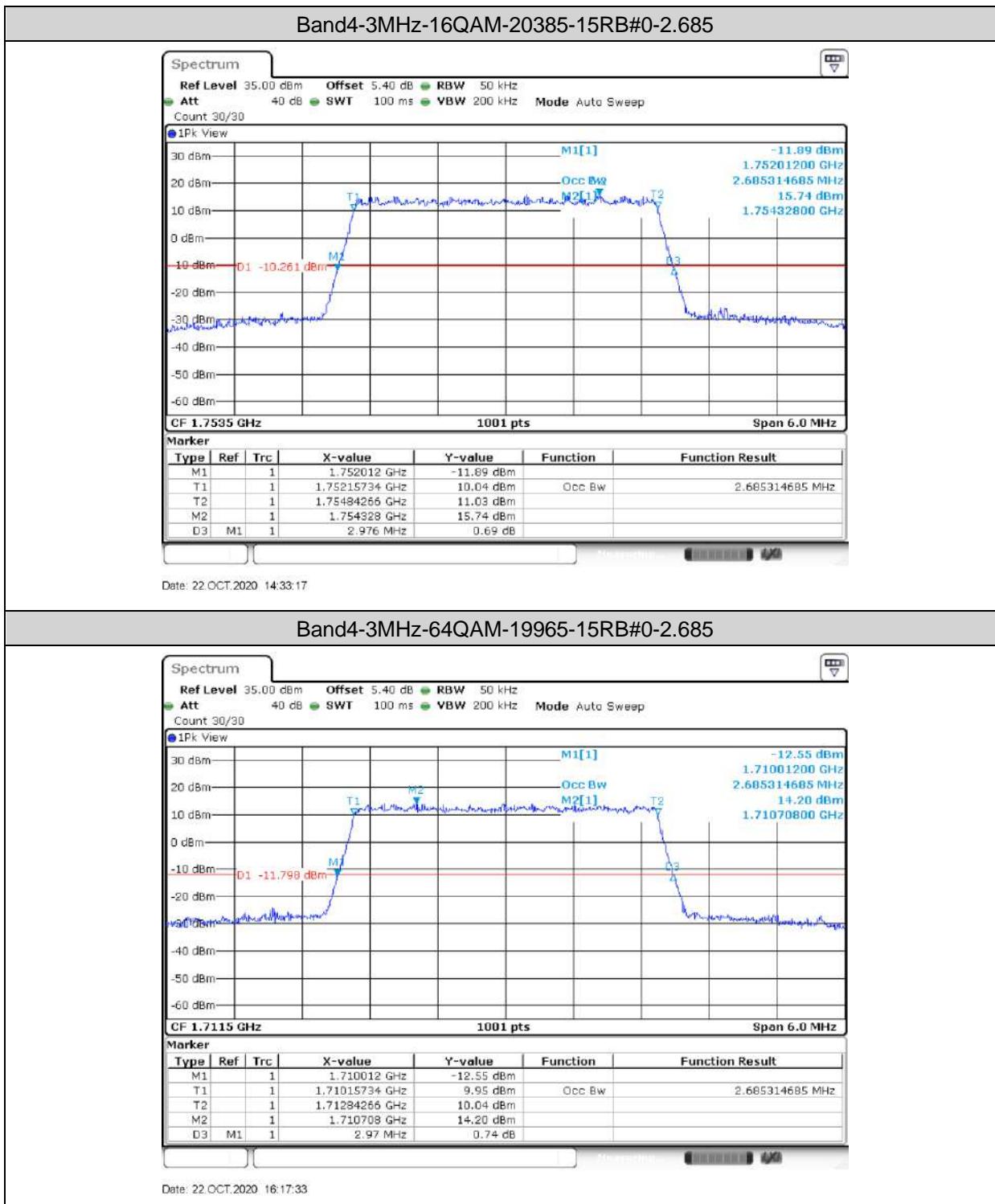




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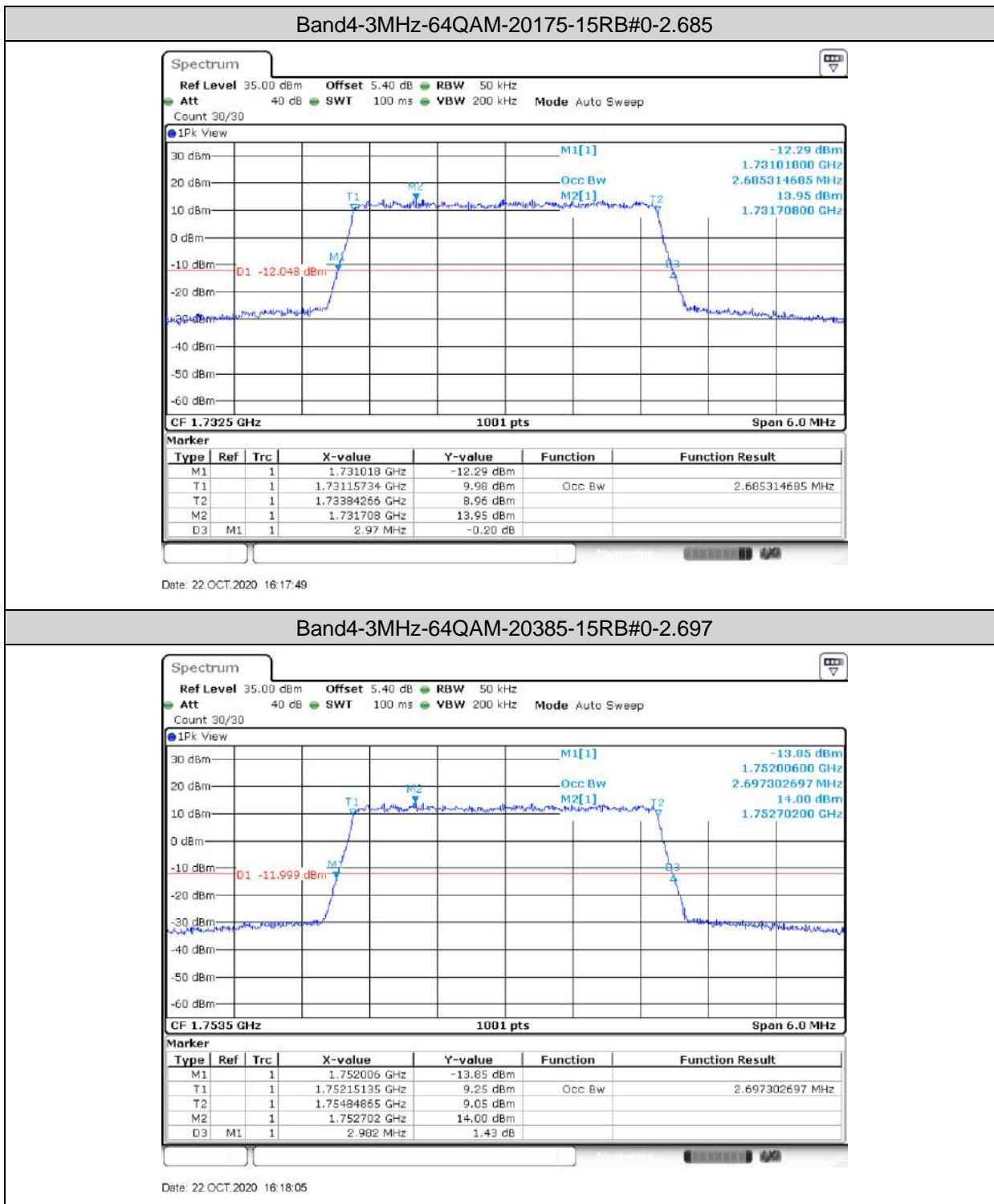




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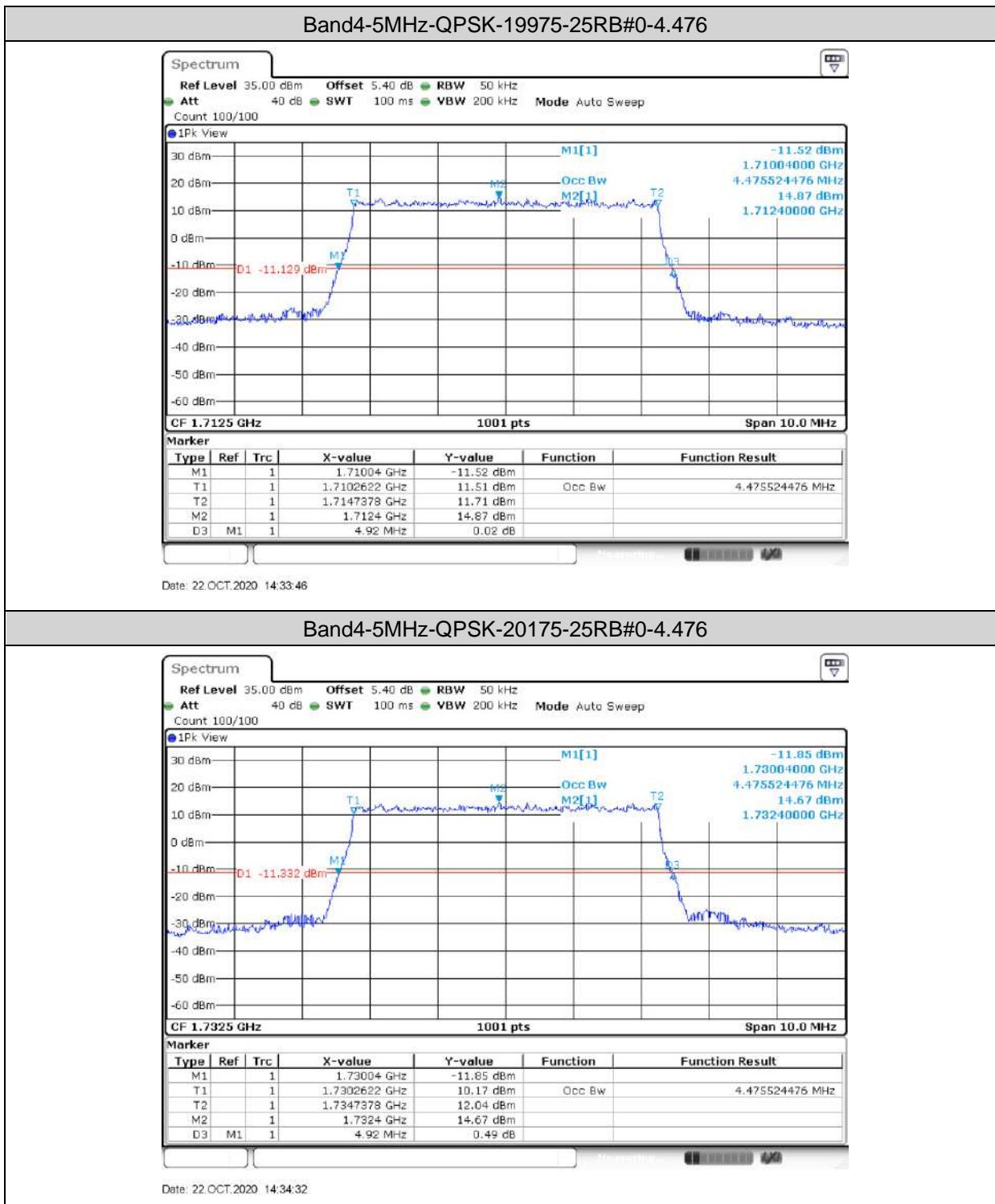




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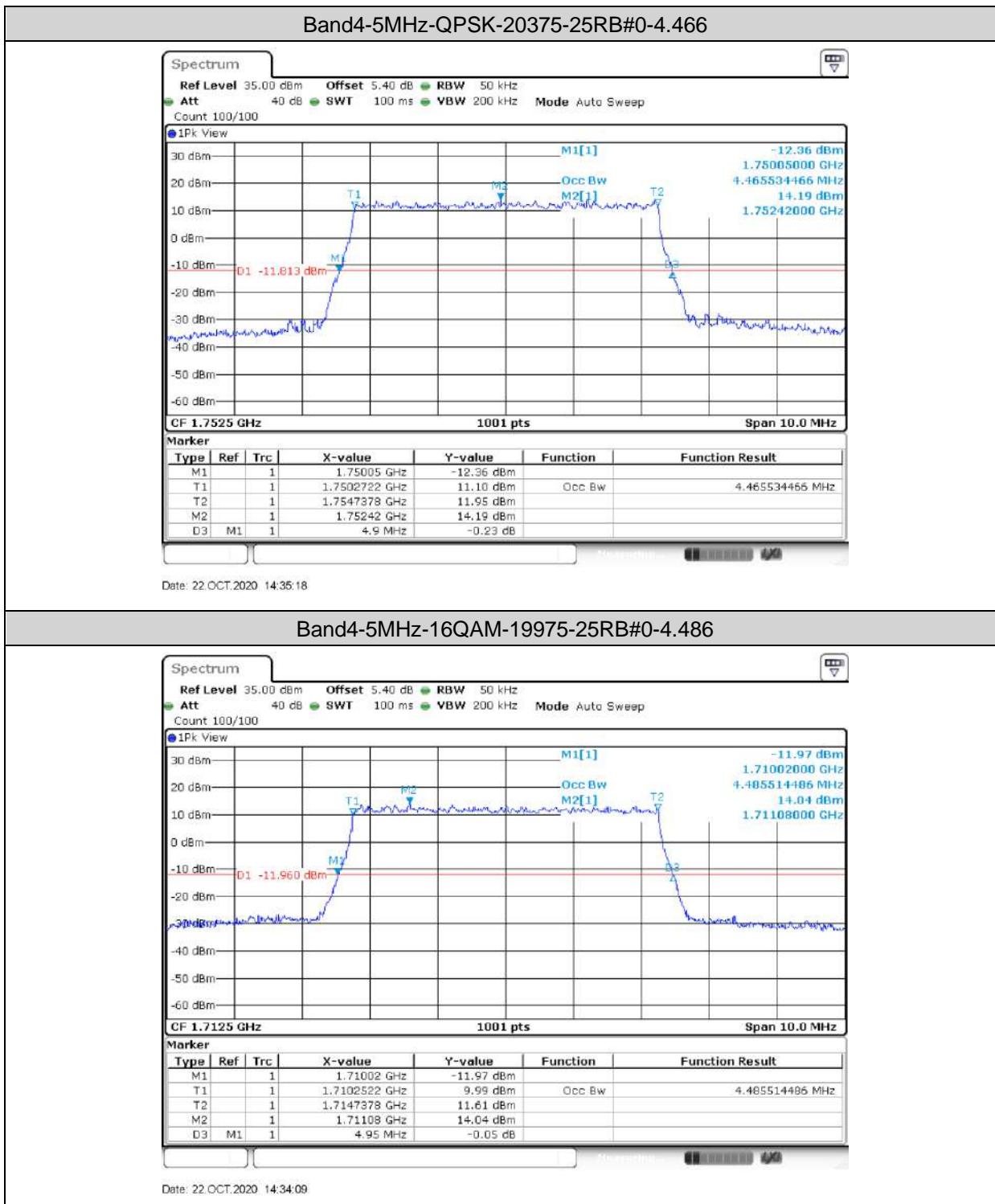
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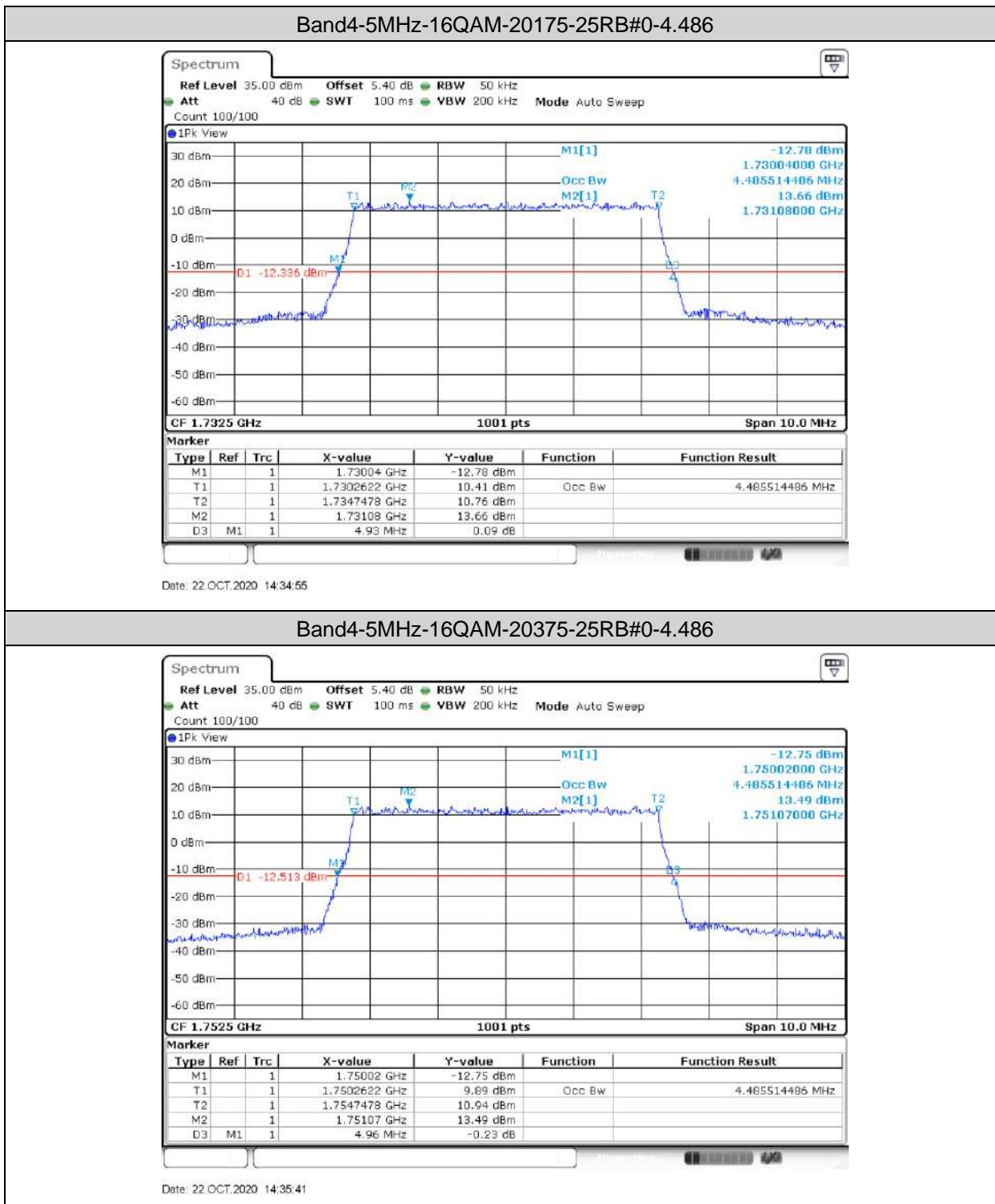


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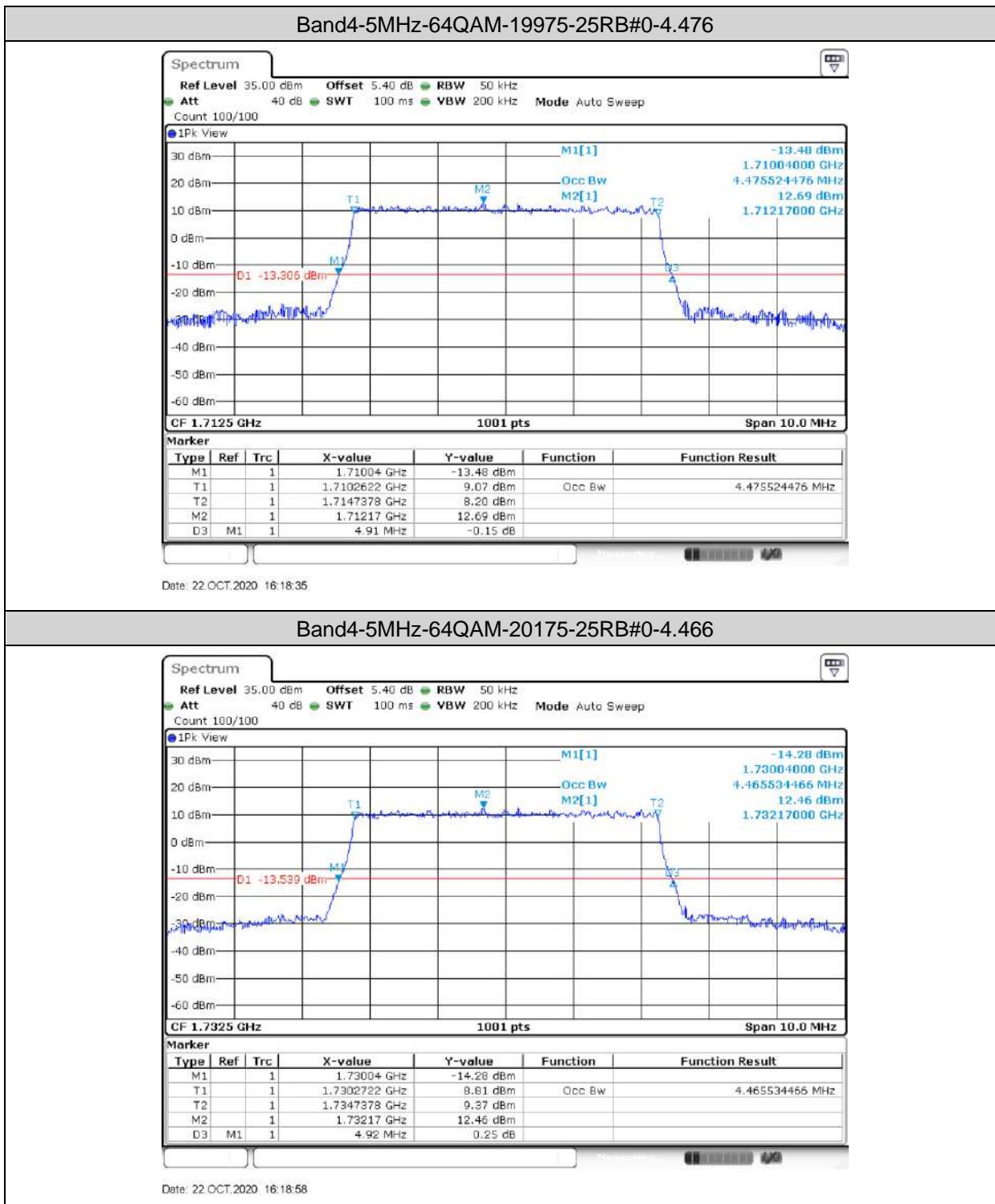


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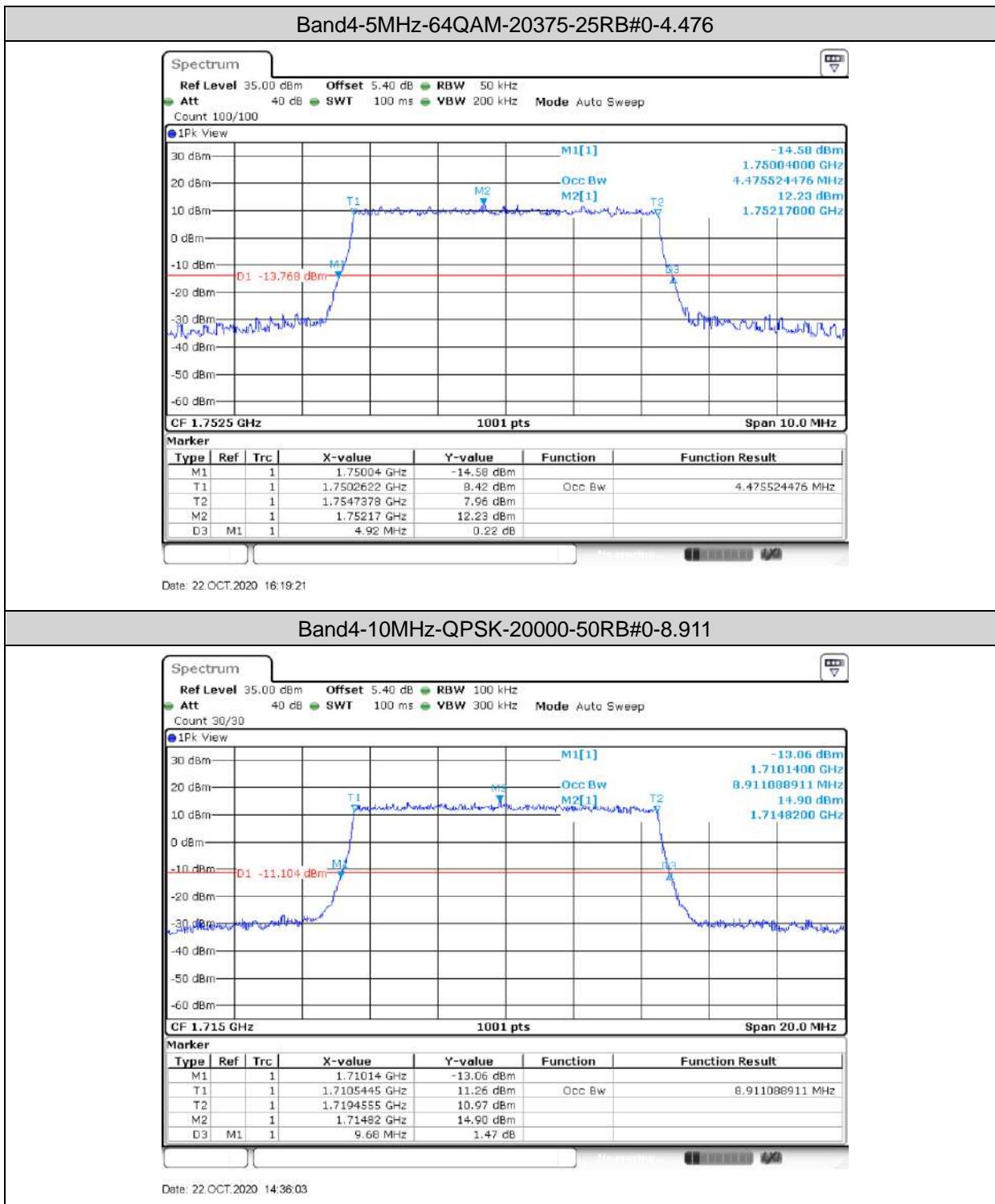
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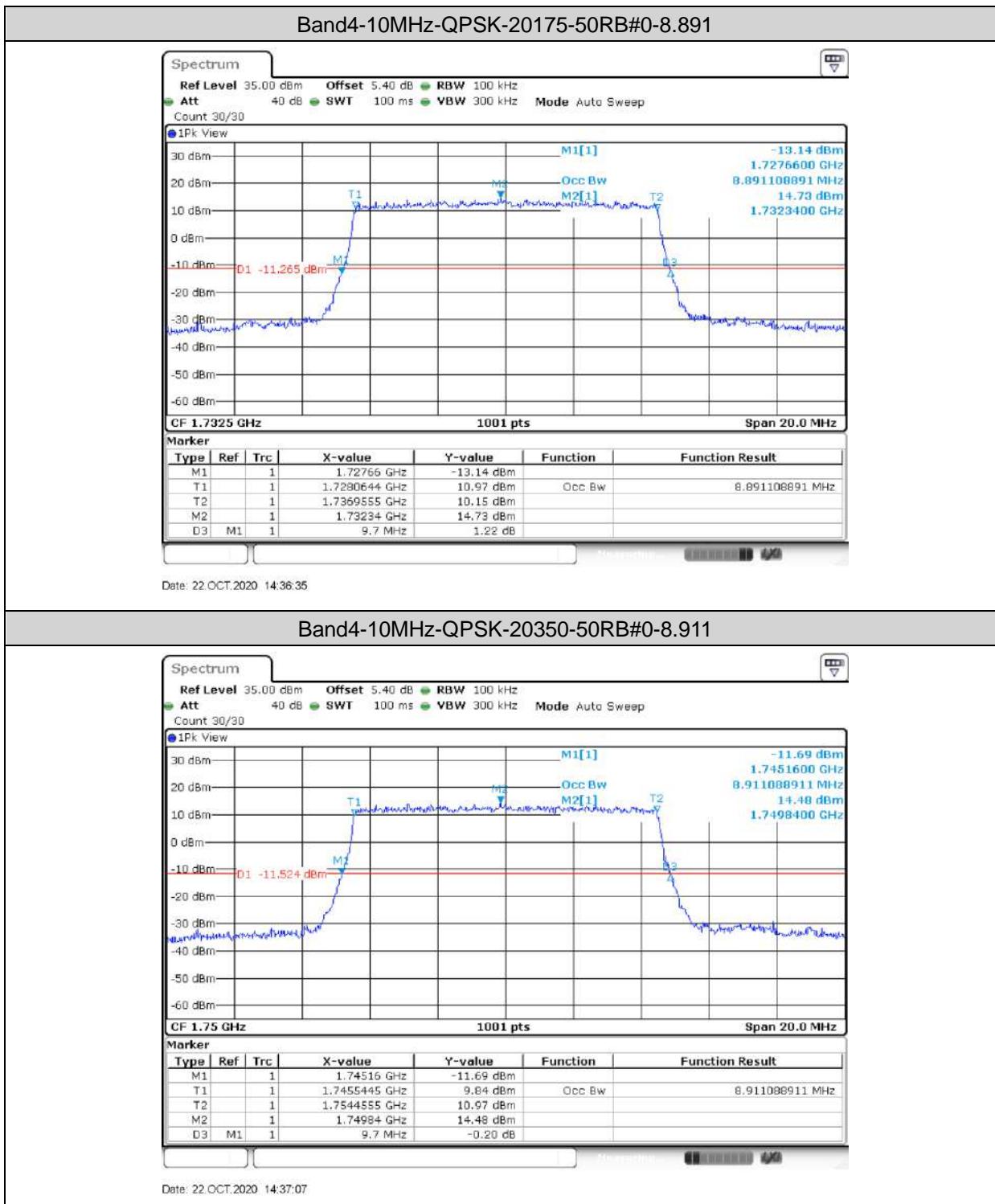




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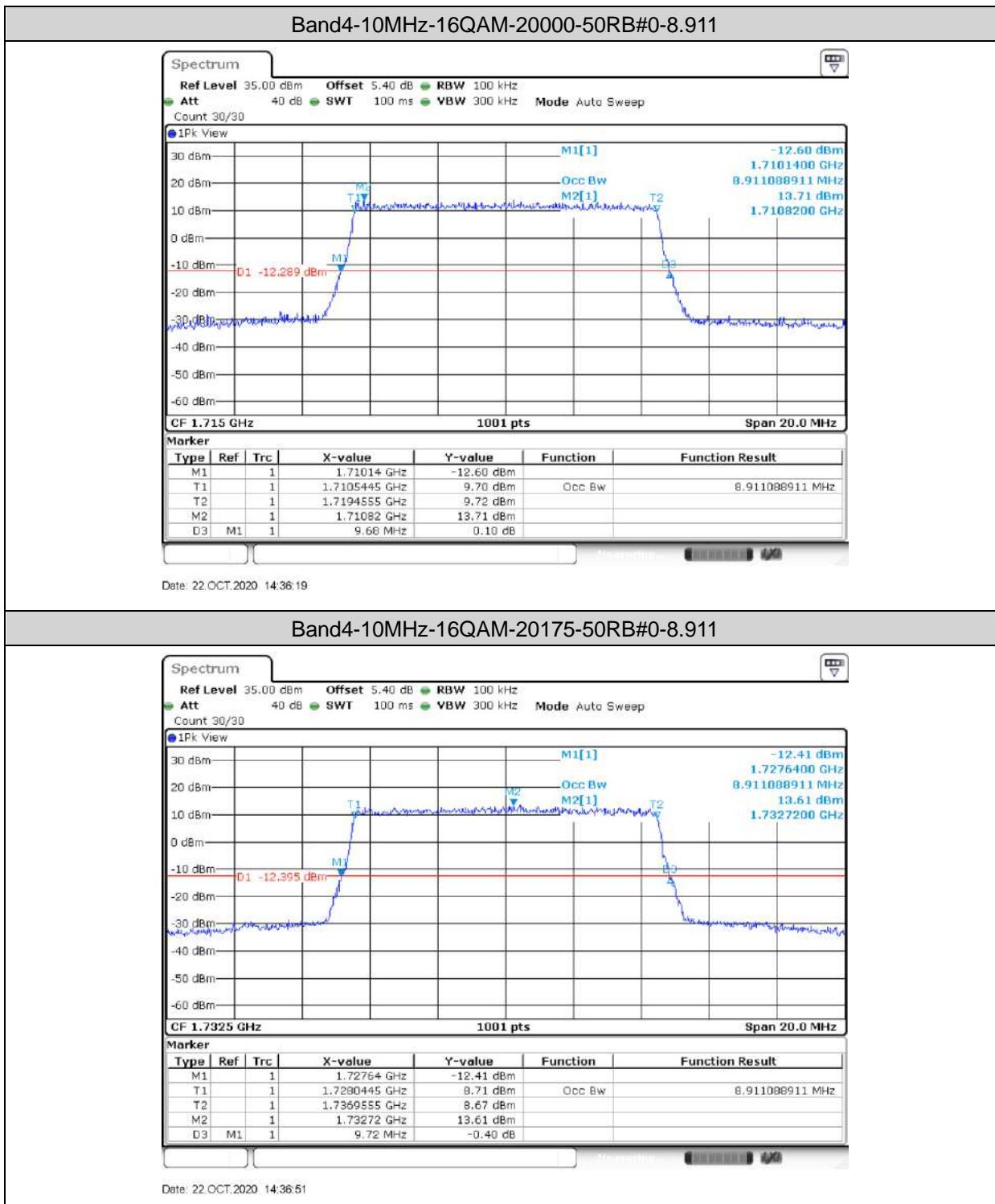




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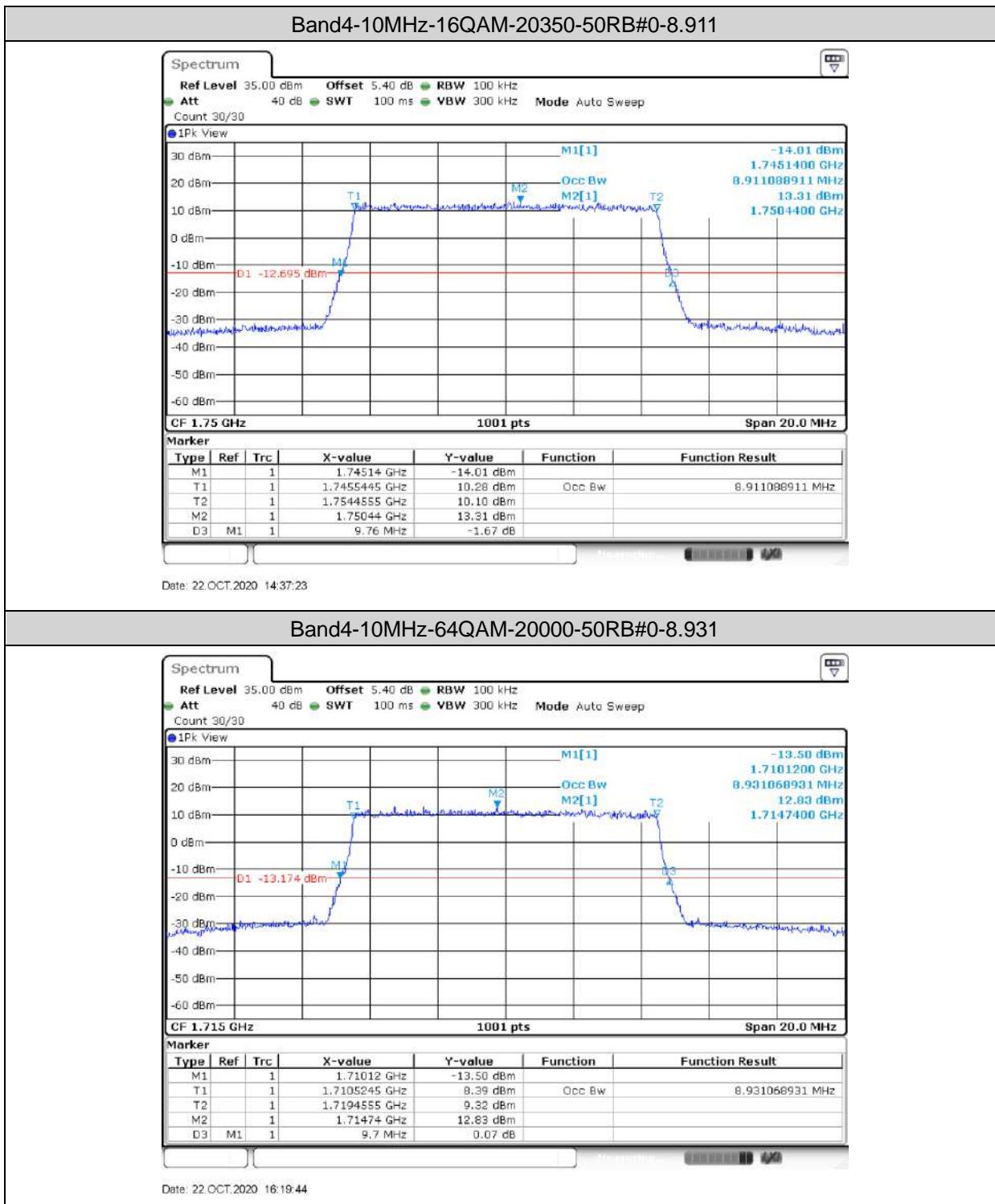




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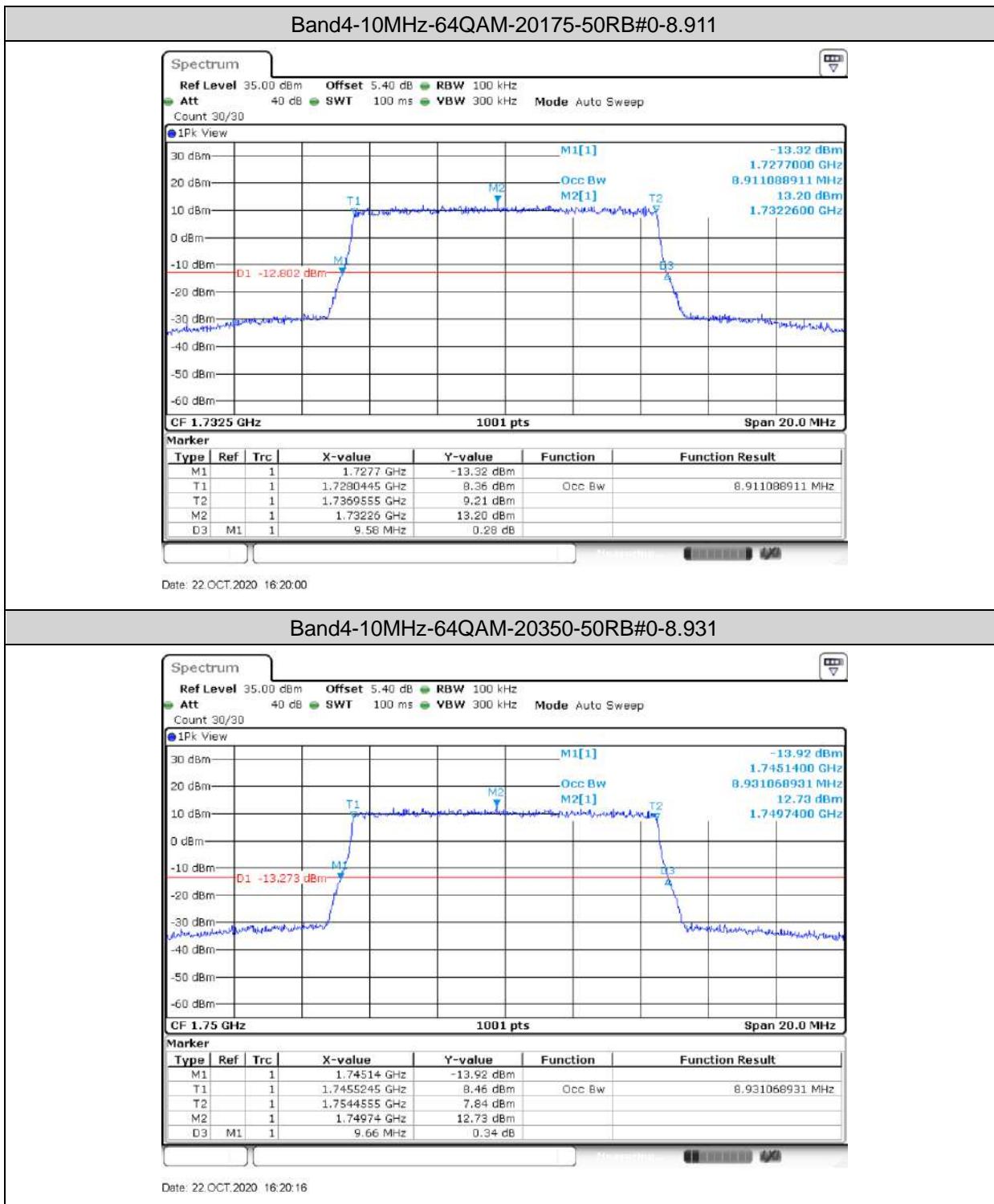




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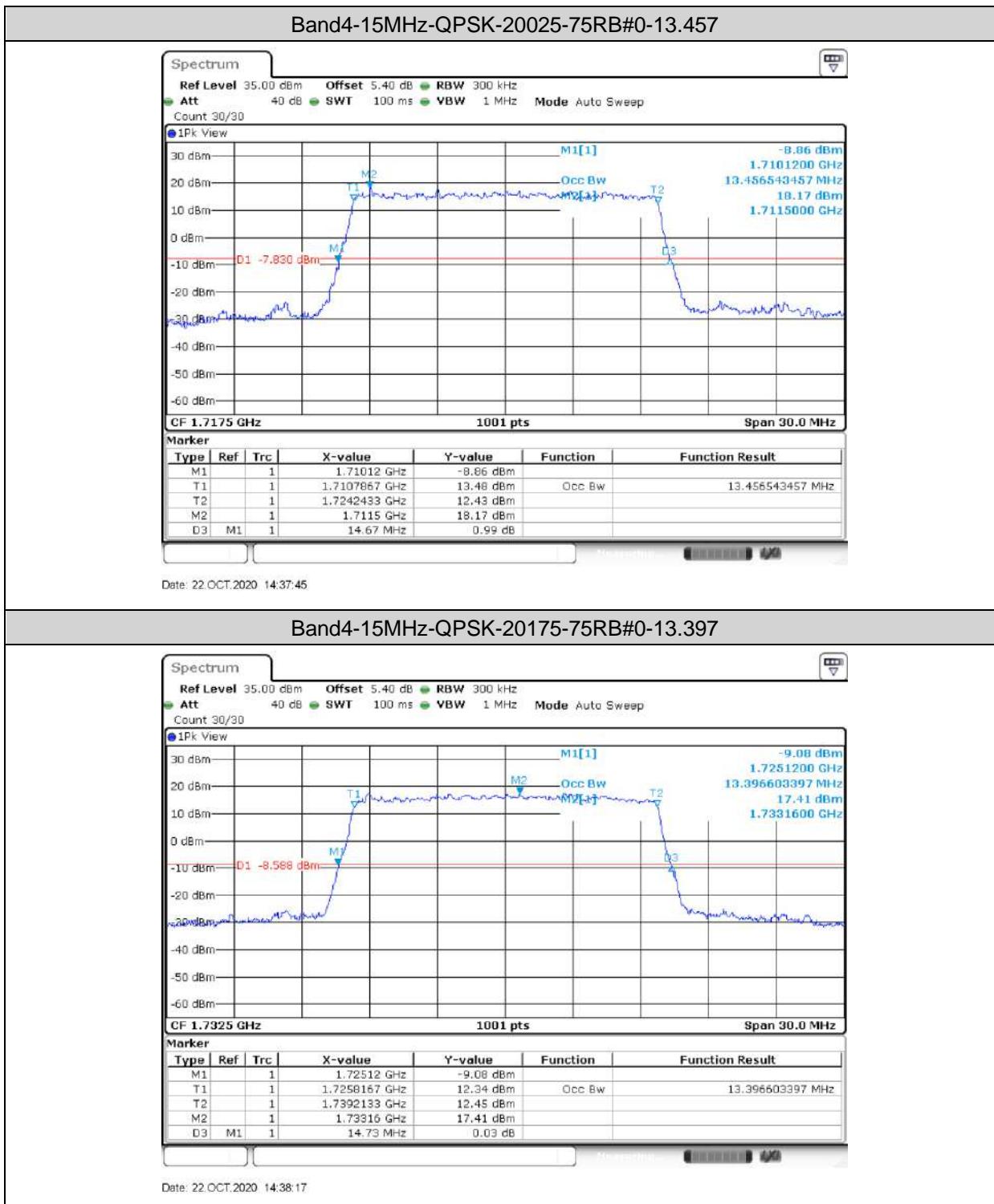


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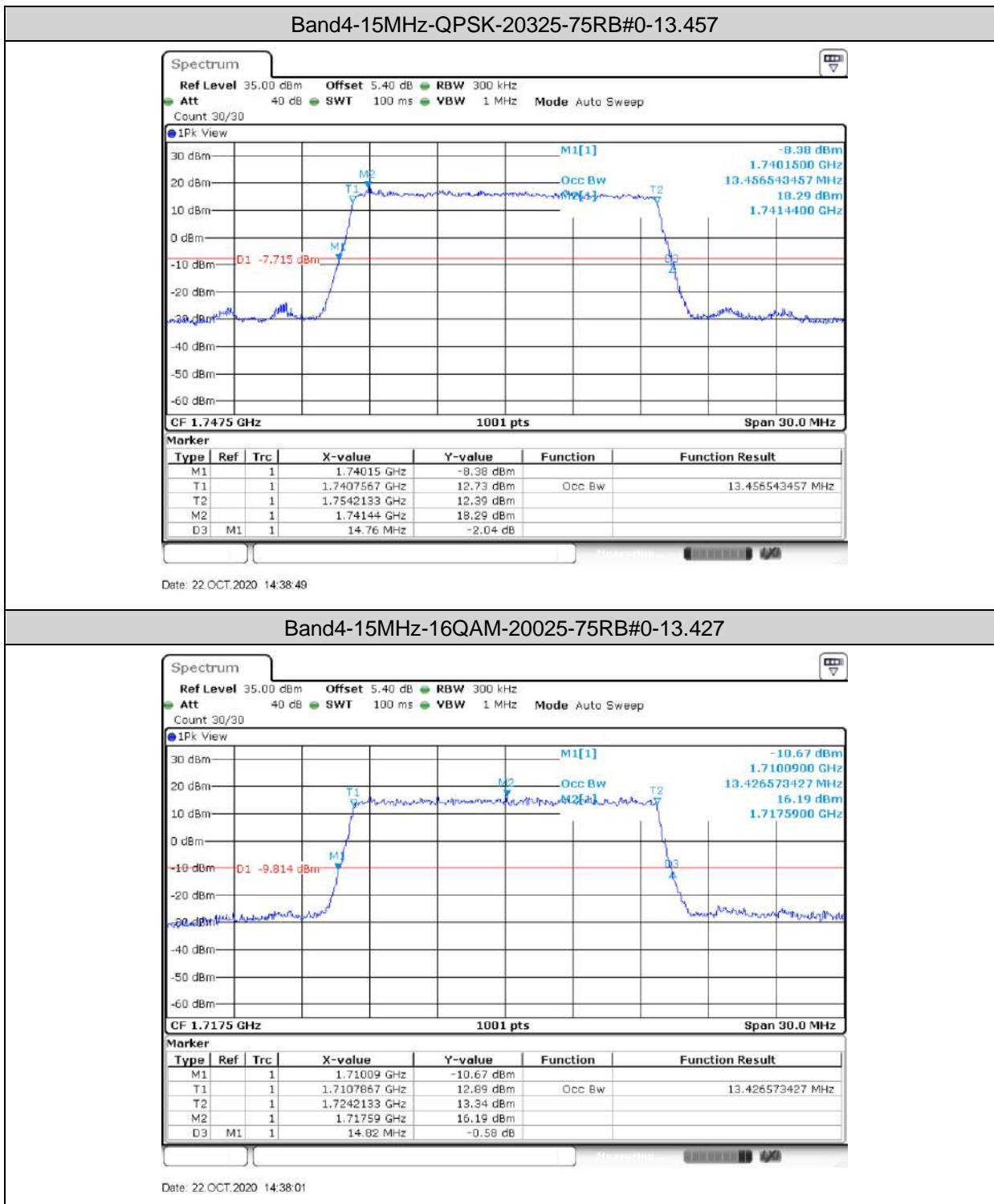


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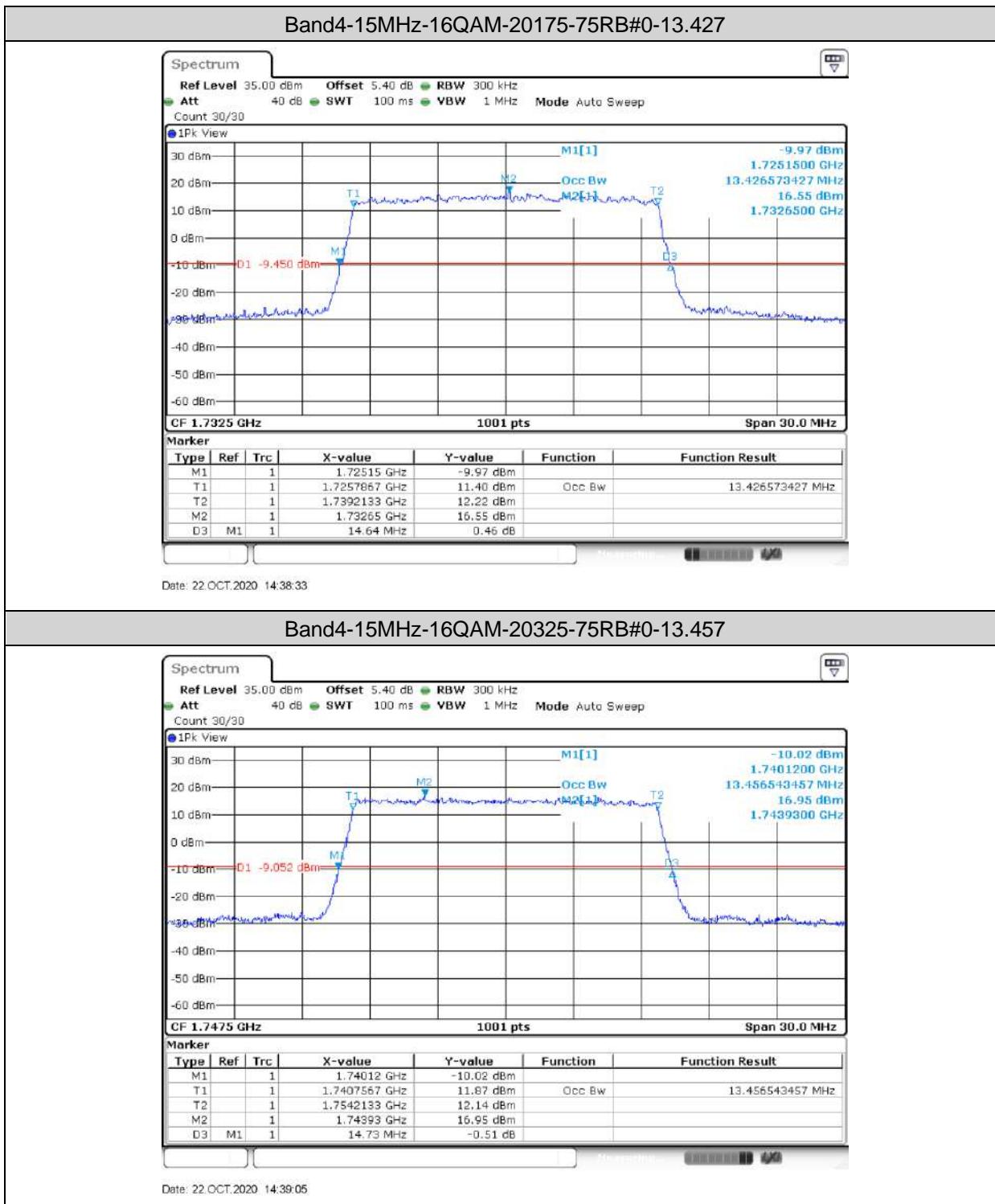


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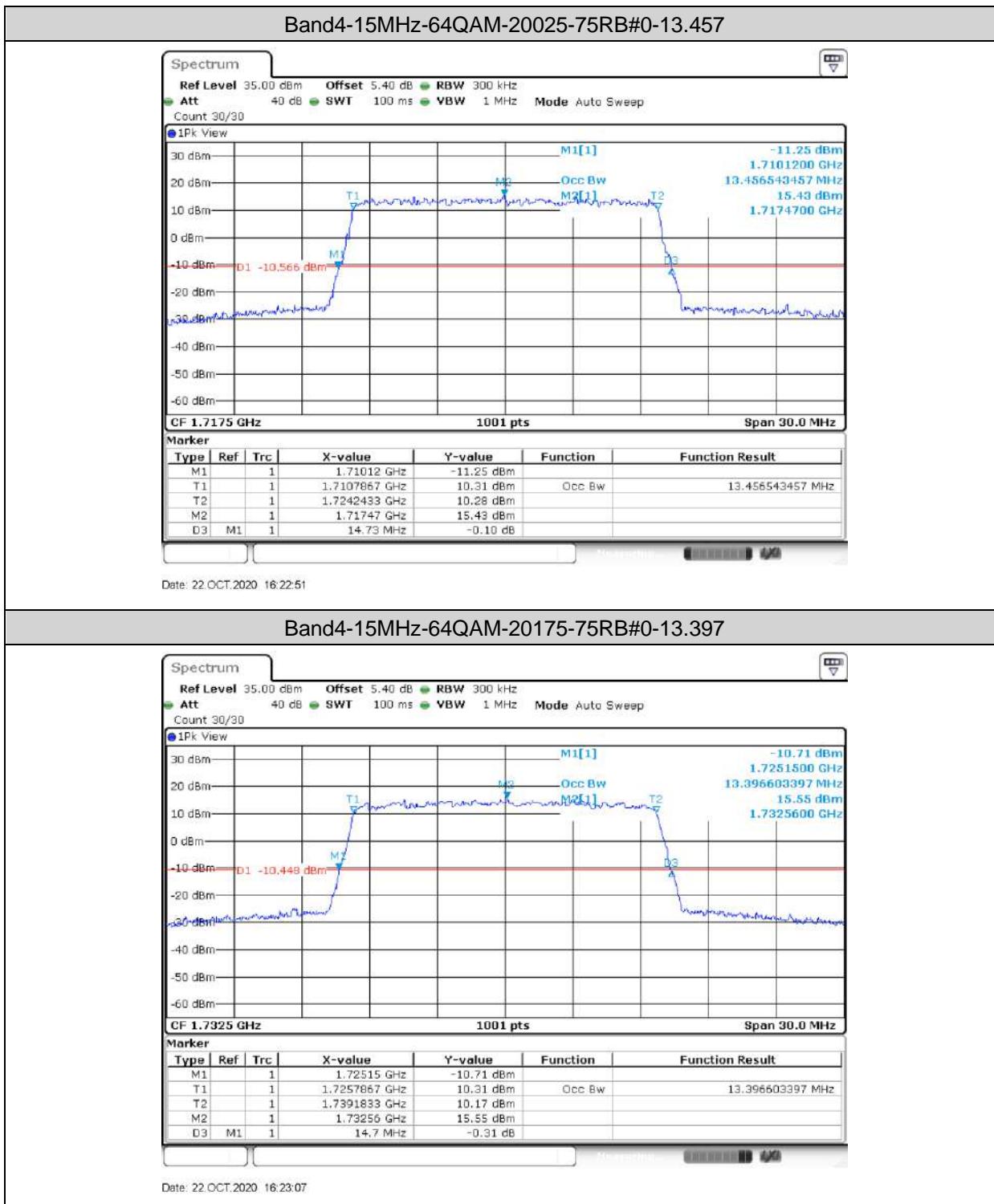
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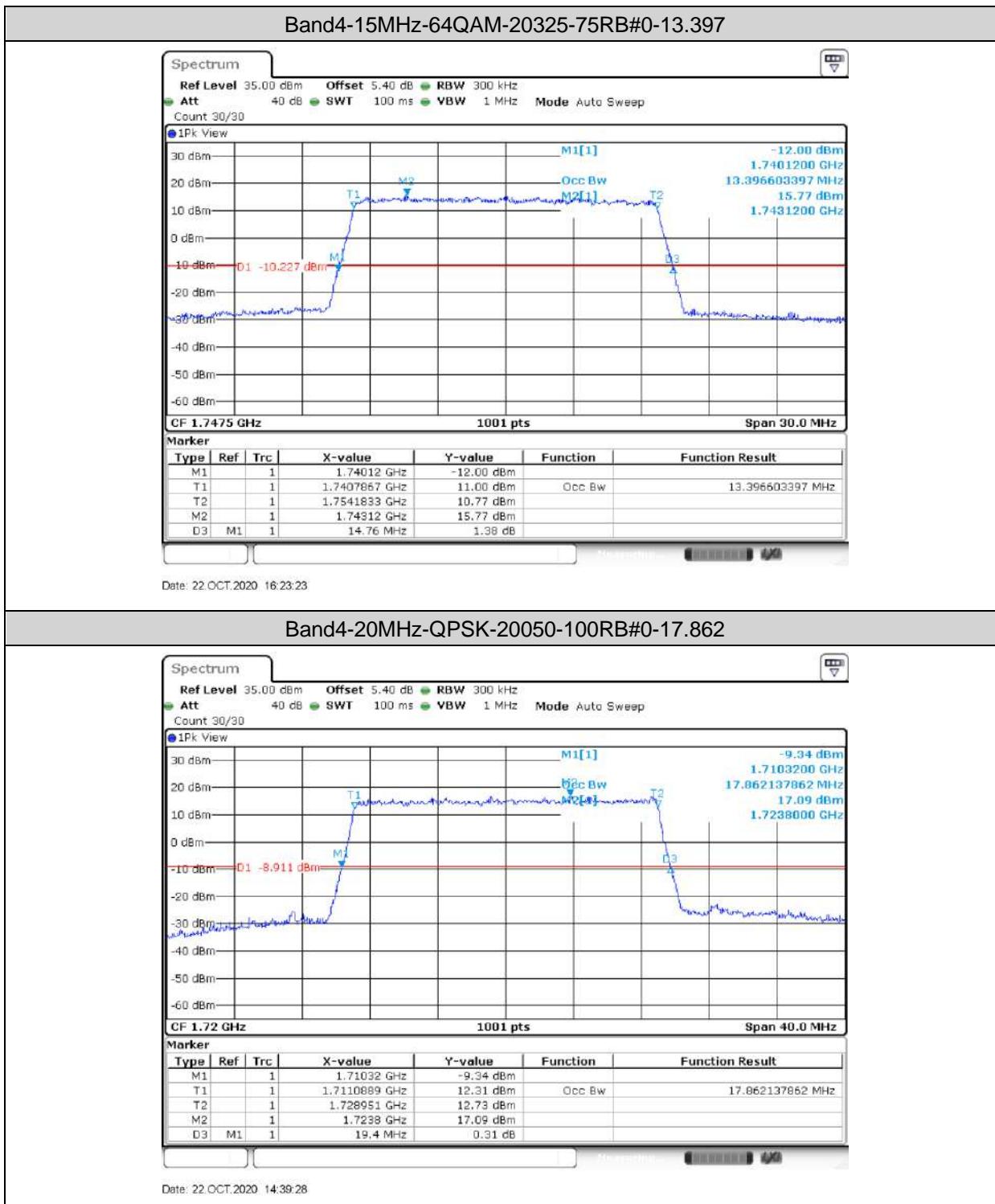
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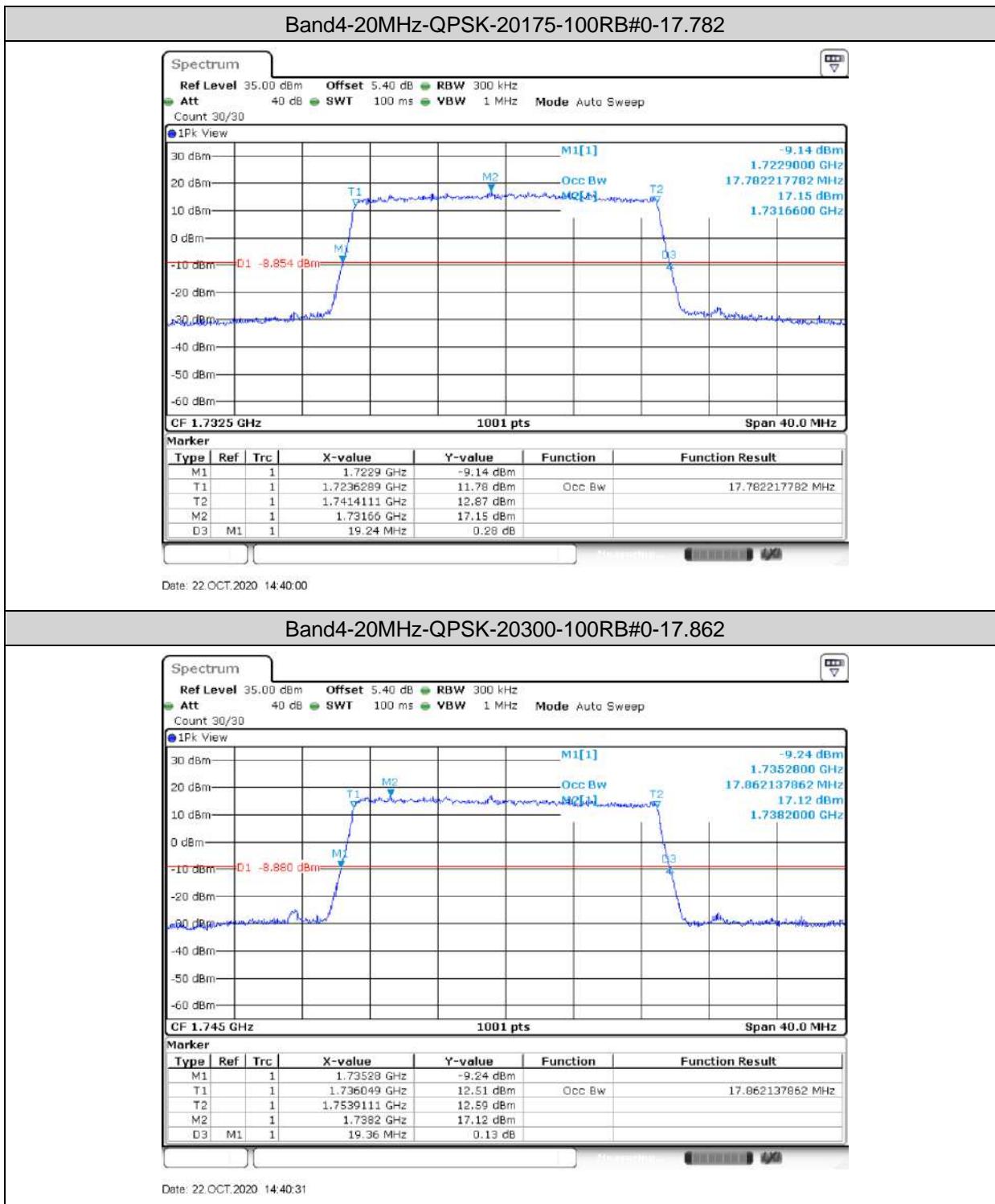
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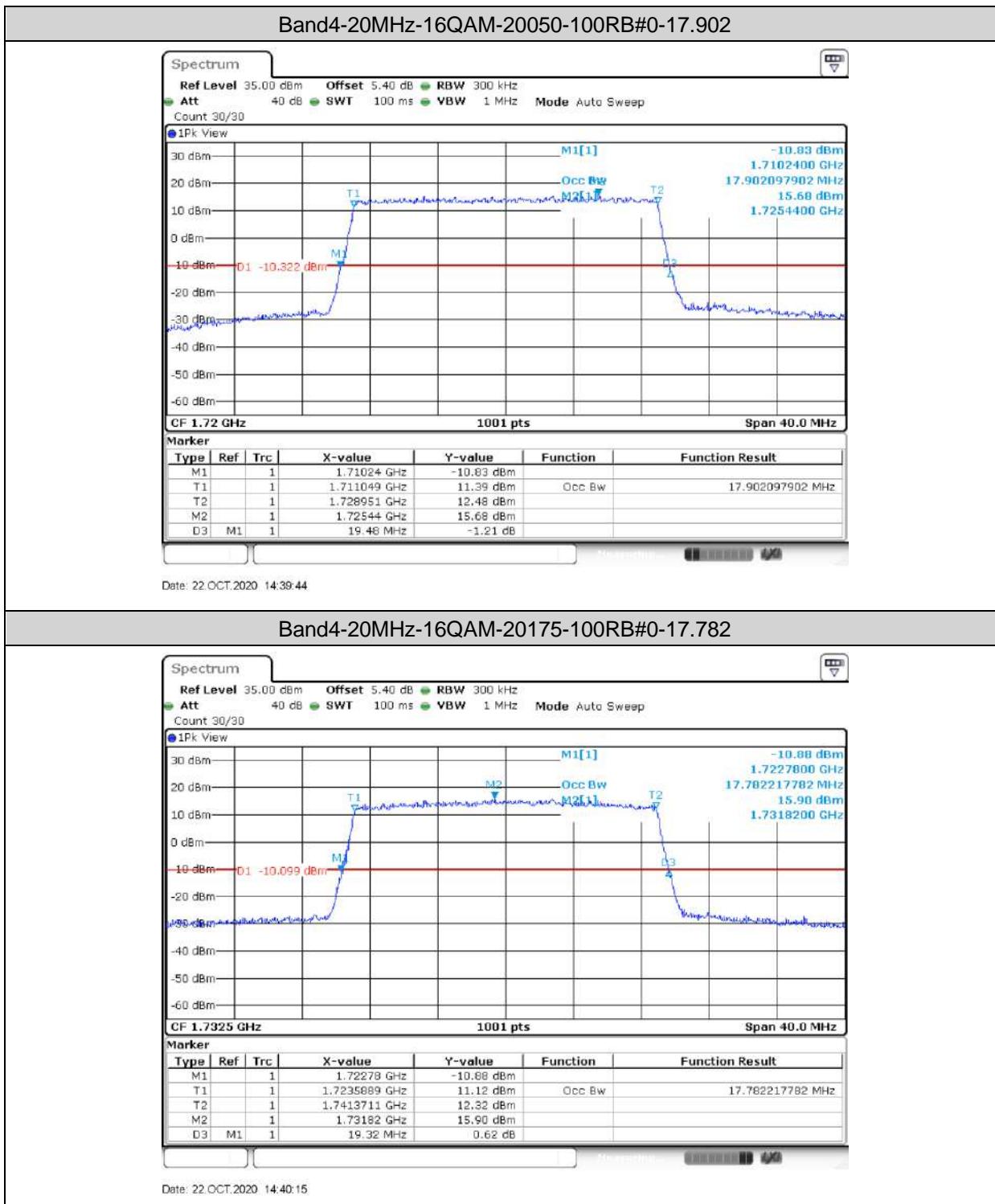
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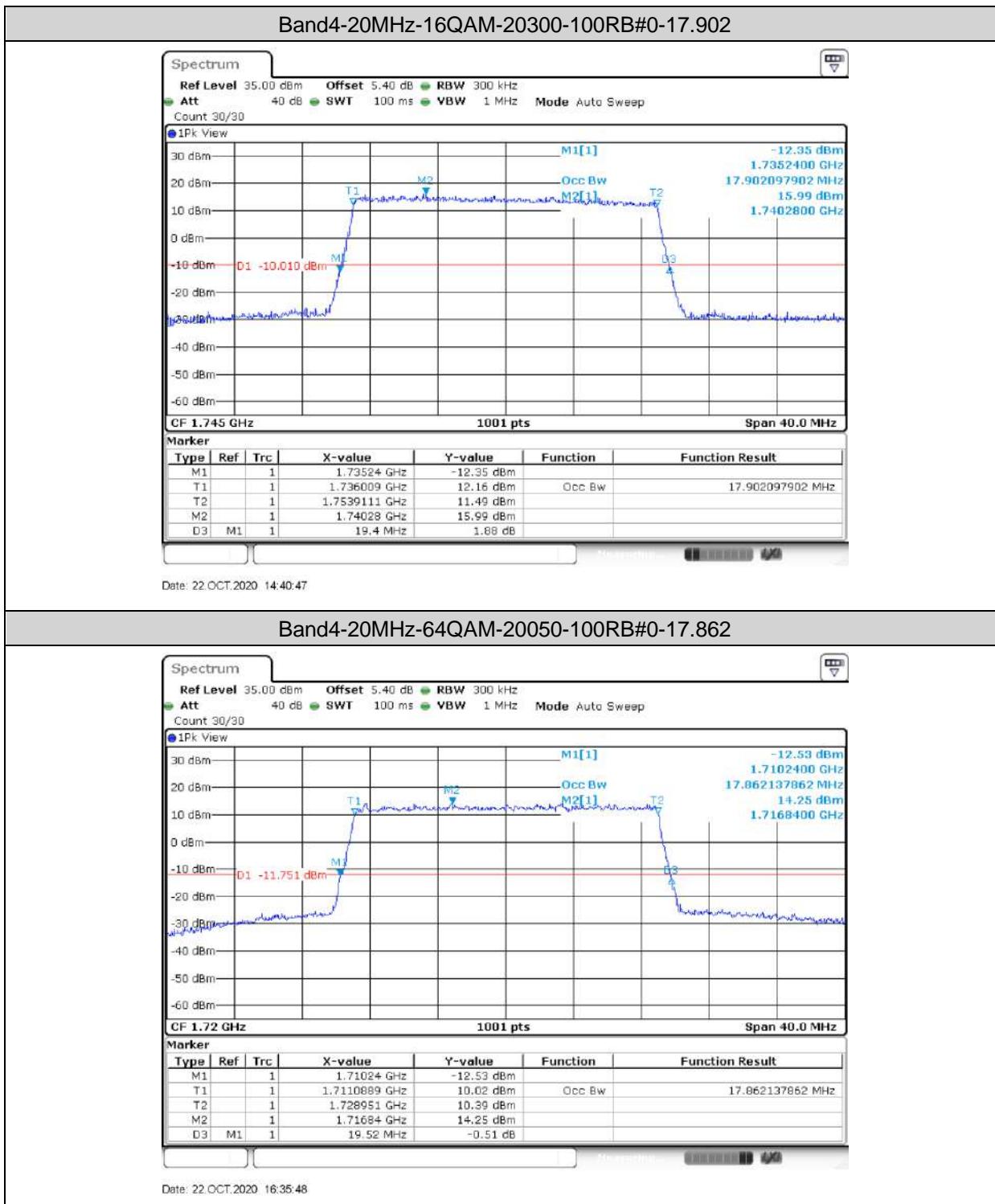
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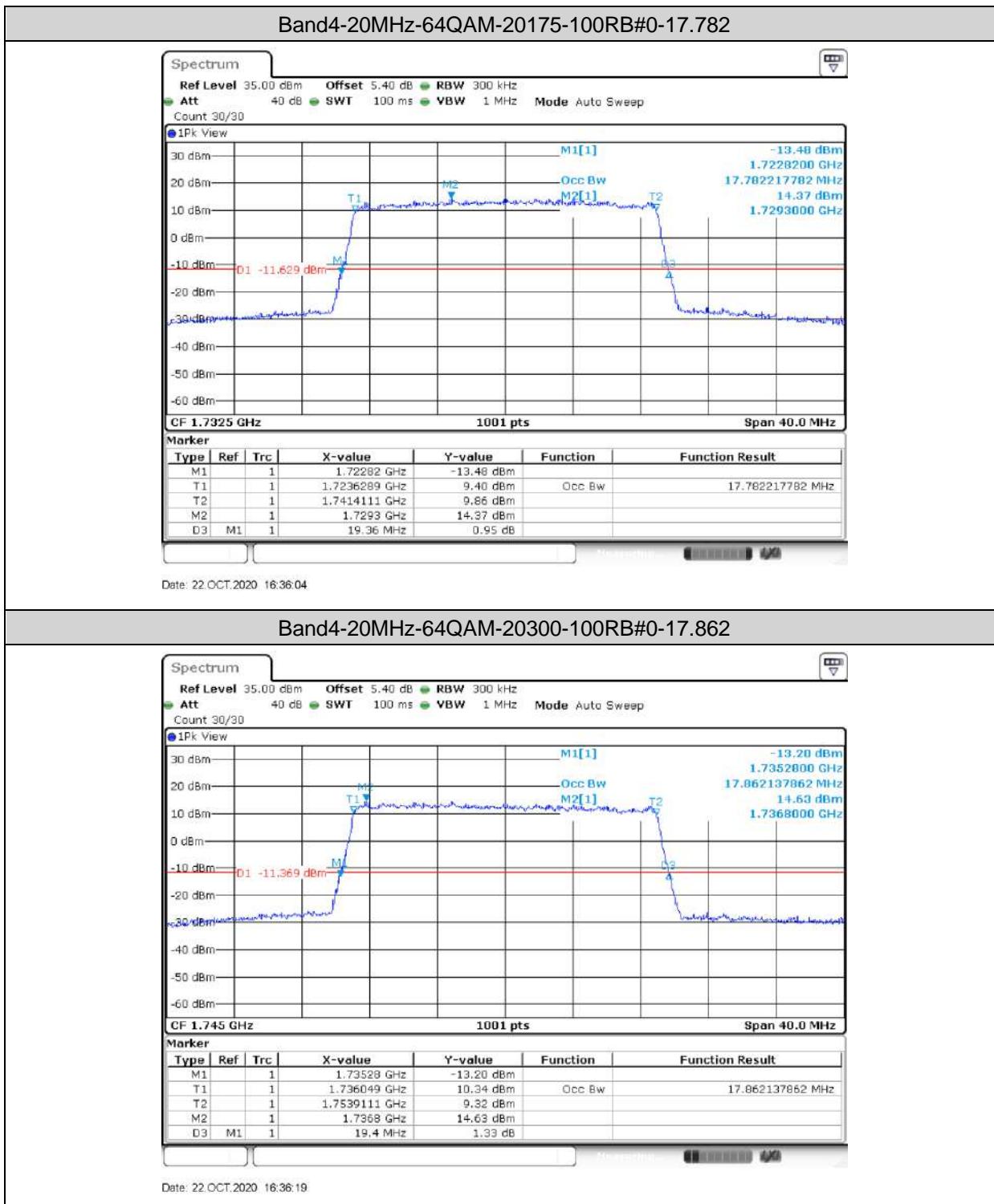




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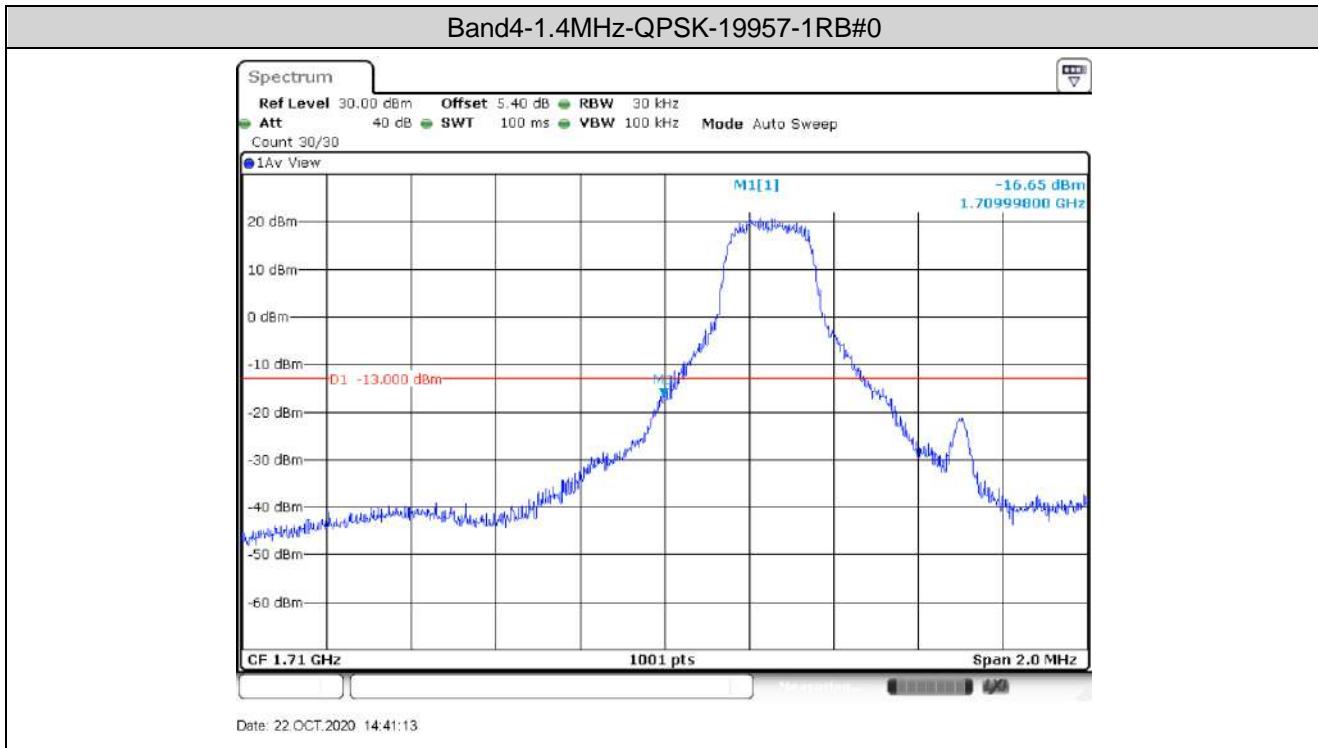
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5 Band Edge Compliance

5.1 Test Plots



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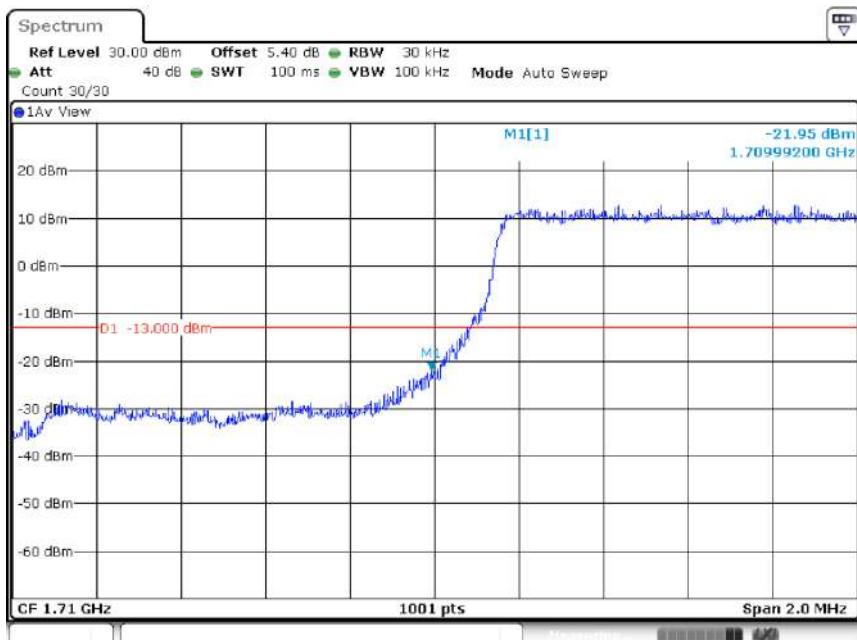
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Band4-1.4MHz-QPSK-19957-6RB#0



Date: 22.OCT.2020 14:41:47

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



Date: 22.OCT.2020 14:42:28

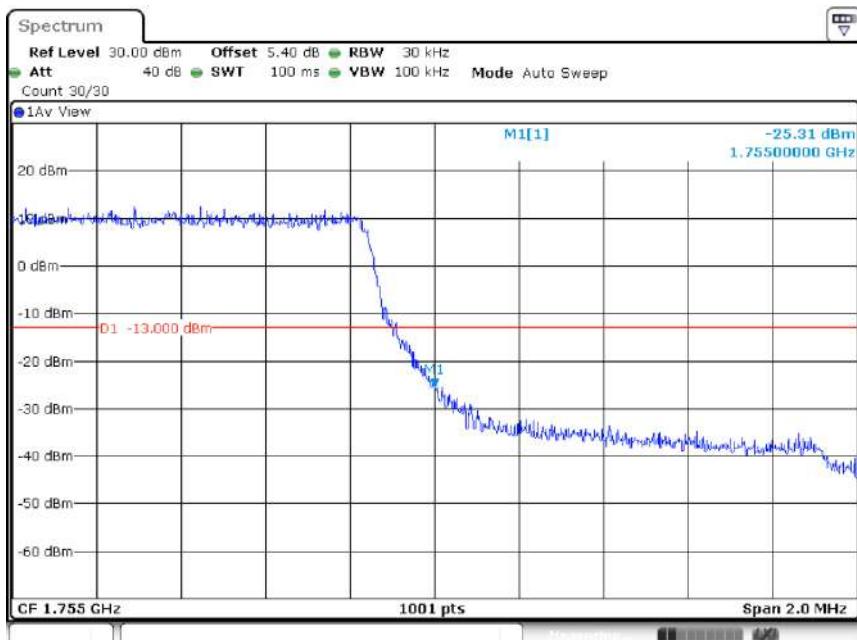
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Band4-1.4MHz-QPSK-20393-6RB#0



Date: 22.OCT.2020 14:43:01

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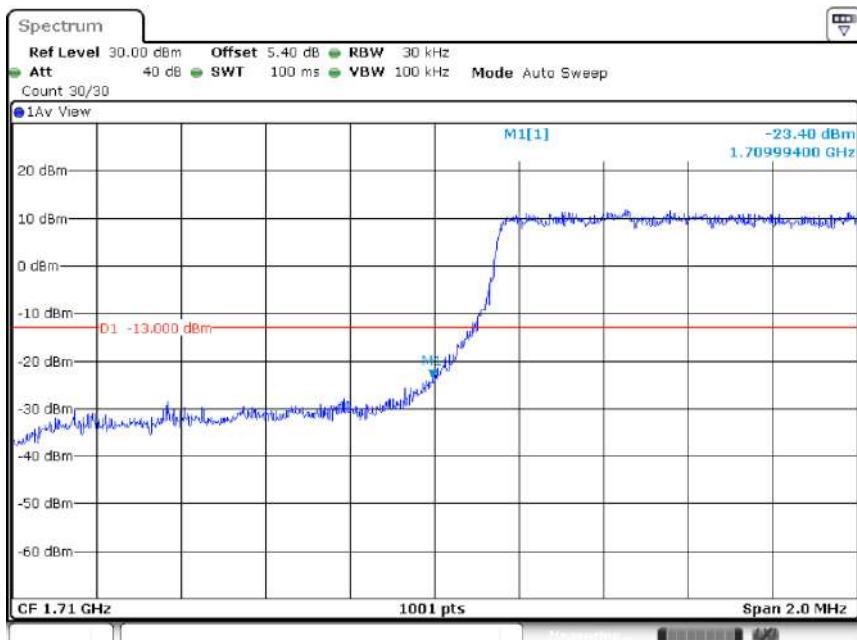
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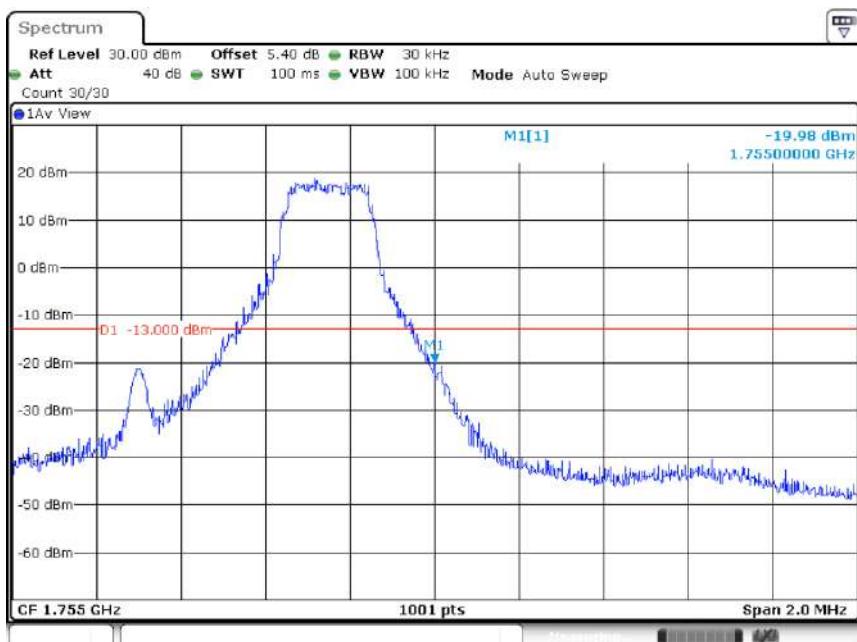
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Date: 22.OCT.2020 14:42:44

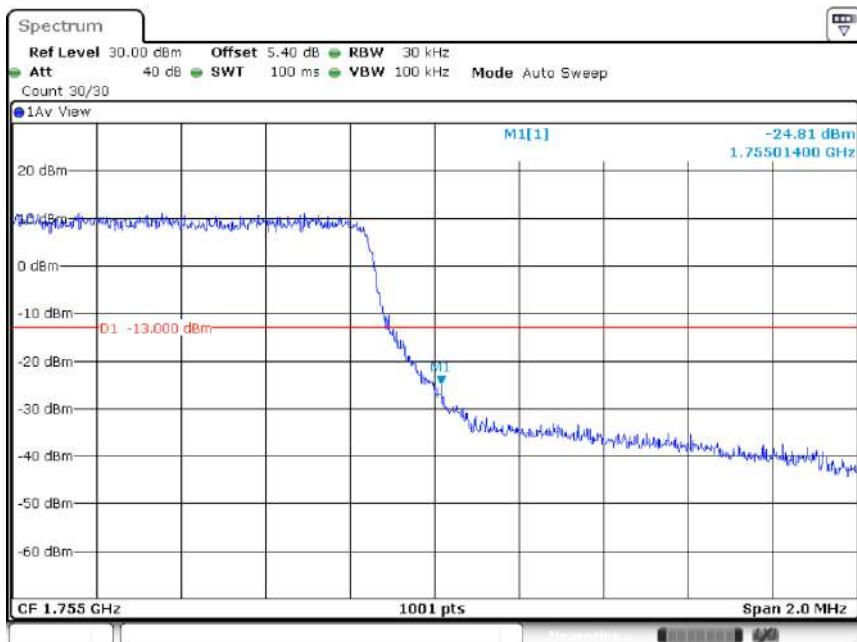
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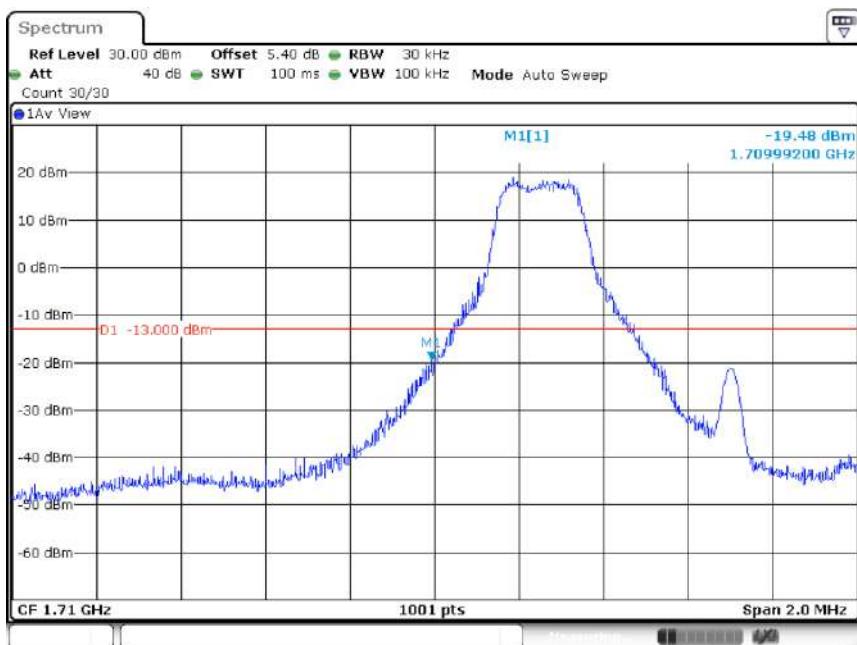
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Band4-1.4MHz-16QAM-20393-6RB#0



Date: 22.OCT.2020 14:43:17

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



Date: 22.OCT.2020 16:36:46

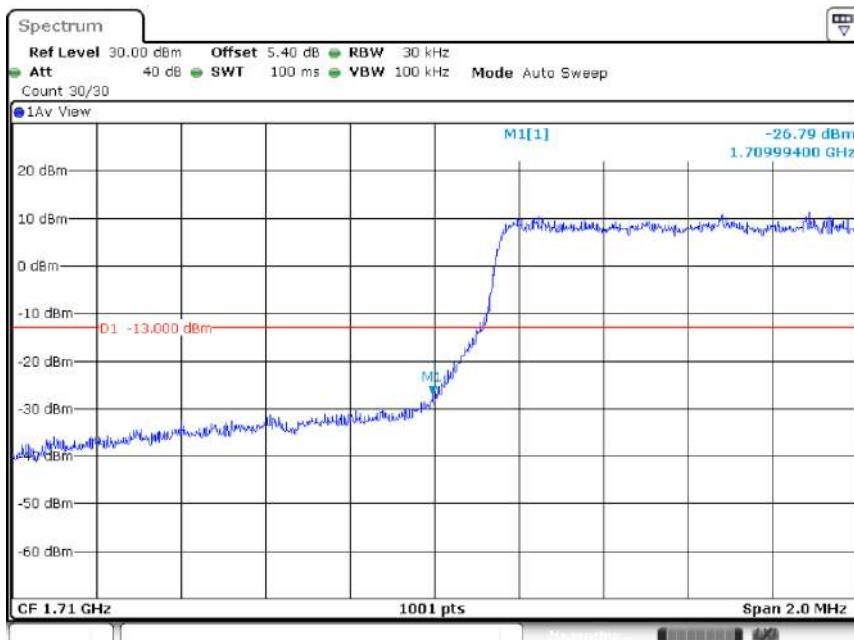
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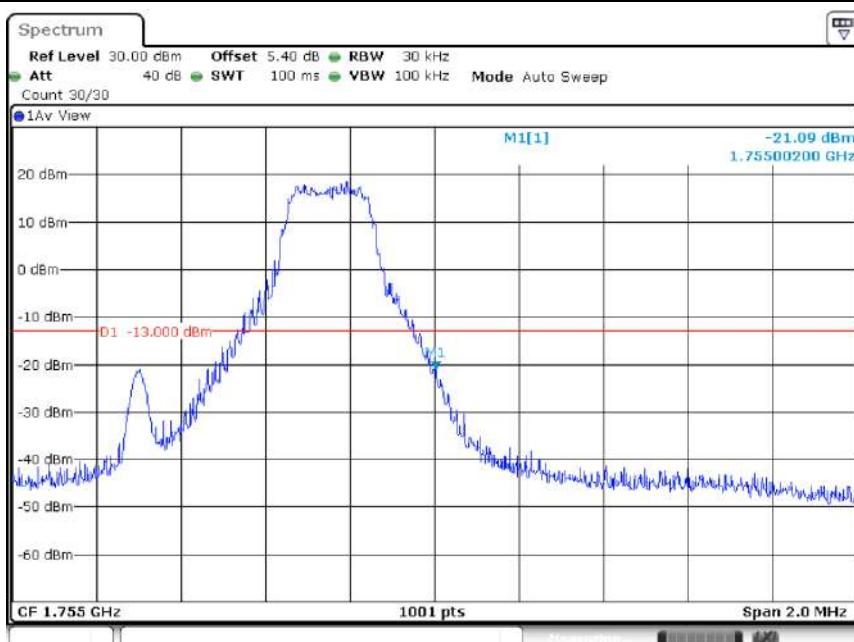
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Band4-1.4MHz-64QAM-19957-6RB#0



Date: 22.OCT.2020 16:37:03

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



Date: 22.OCT.2020 16:37:28

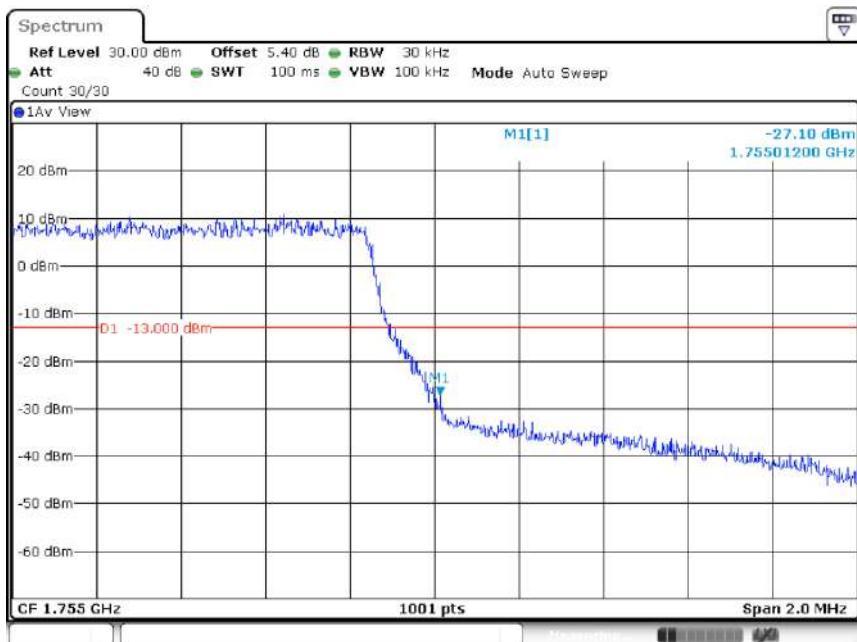
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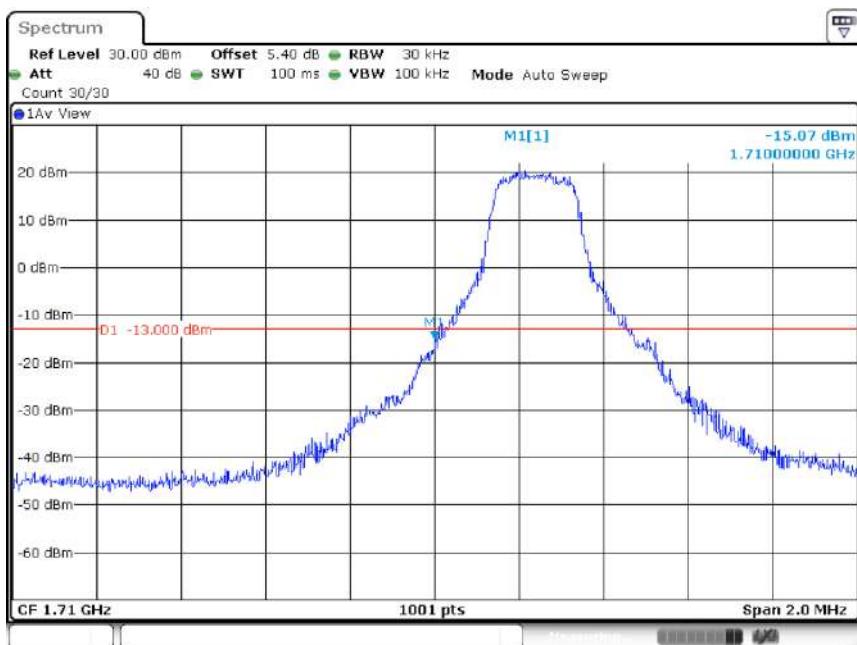
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Band4-1.4MHz-64QAM-20393-6RB#0



Date: 22.OCT.2020 16:37:44

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



Date: 22.OCT.2020 14:43:44

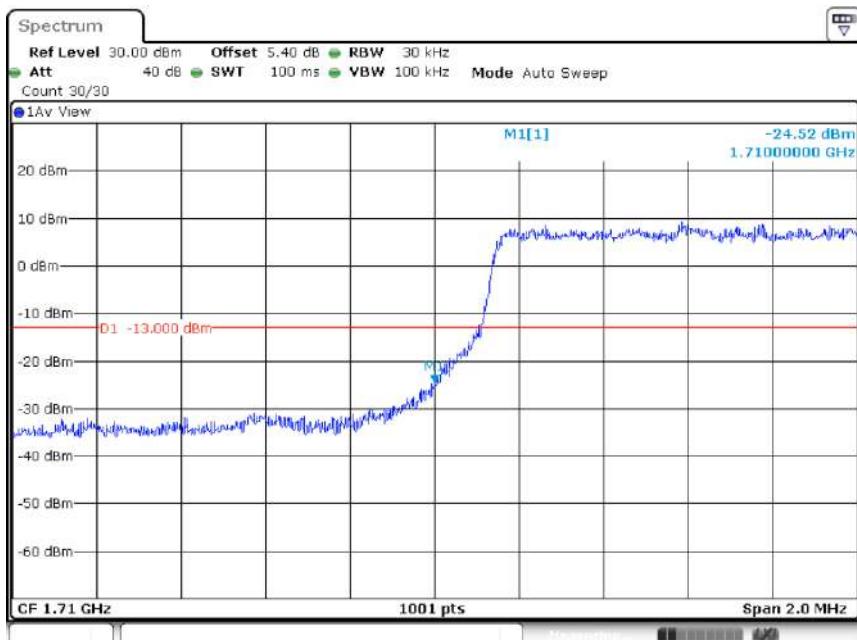
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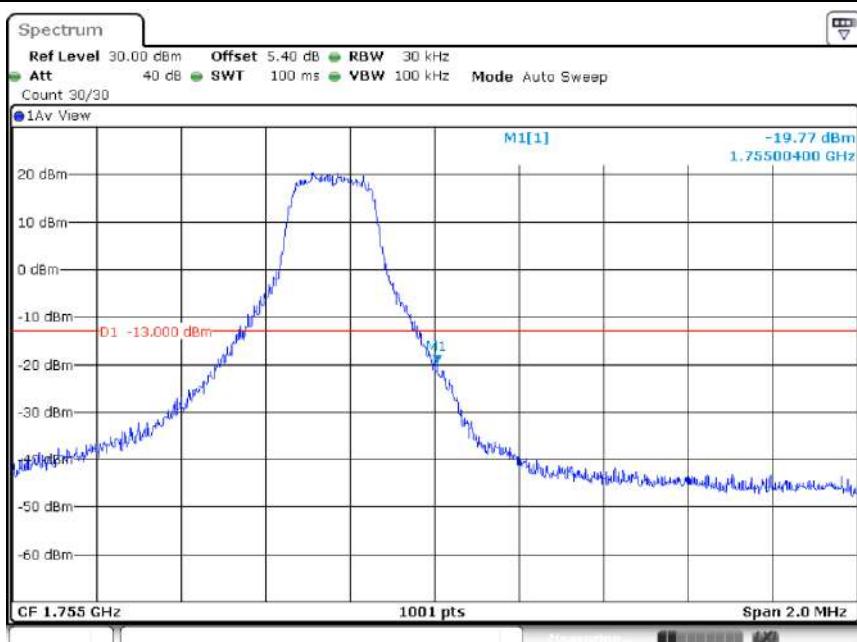
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Band4-3MHz-QPSK-19965-15RB#0



Date: 22.OCT.2020 14:44:17

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



Date: 22.OCT.2020 14:44:58

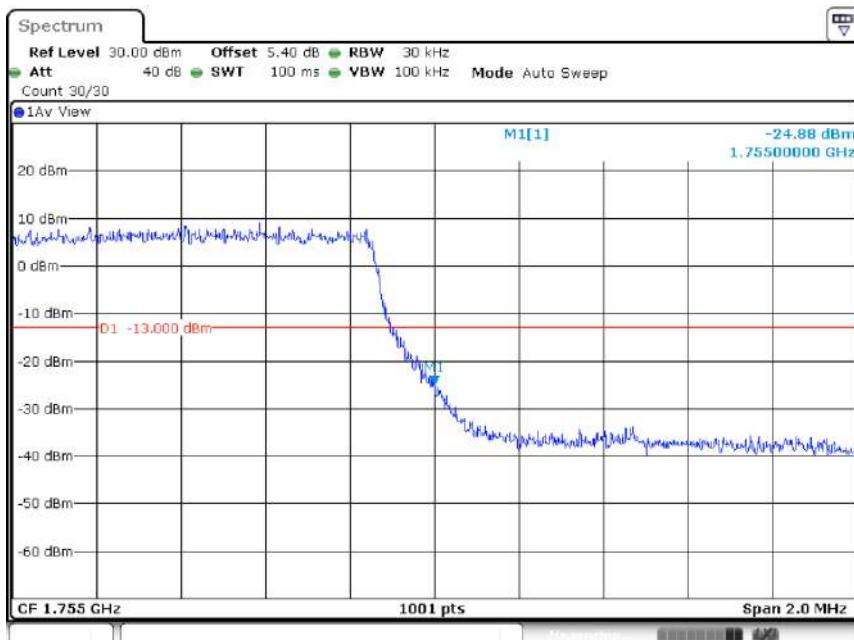
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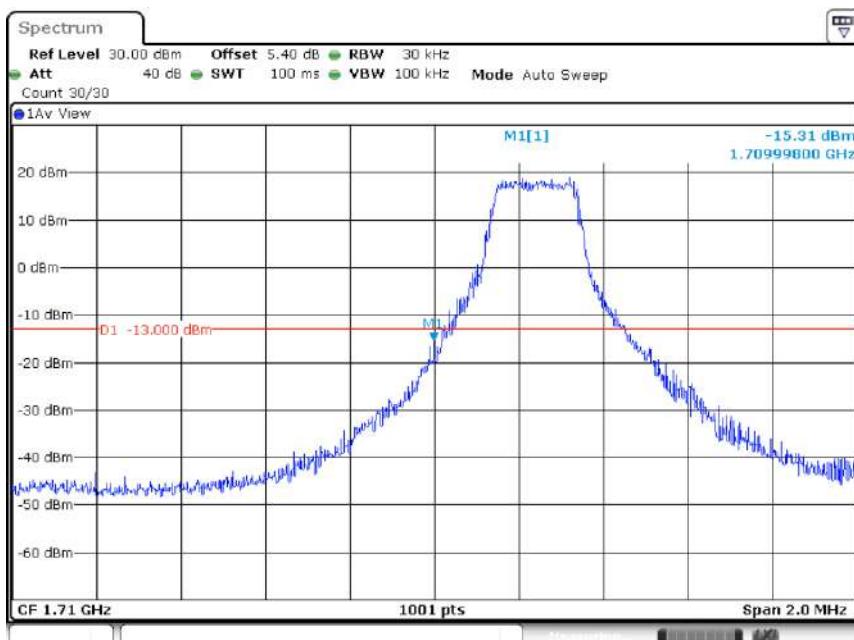
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Band4-3MHz-QPSK-20385-15RB#0



Date: 22.OCT.2020 14:45:31

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



Date: 22.OCT.2020 14:44:00

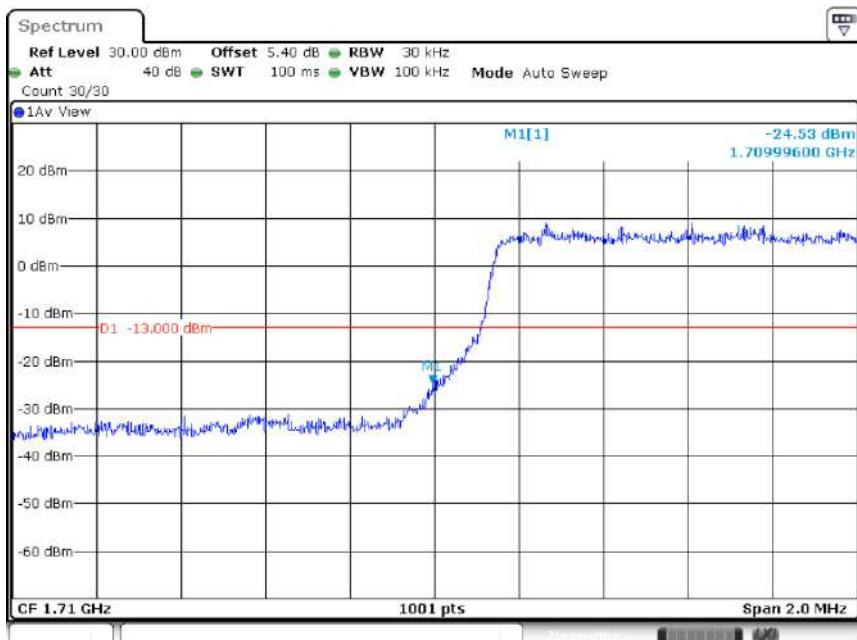
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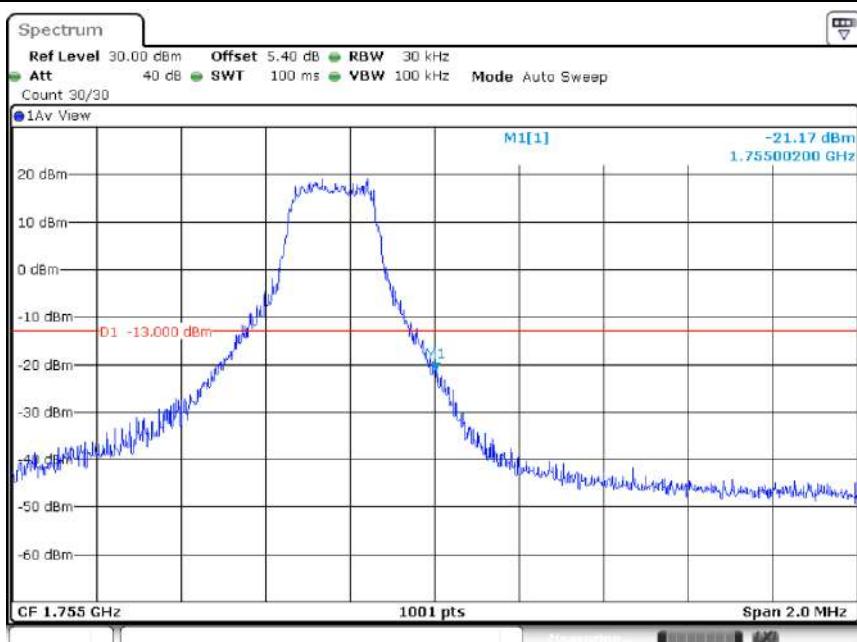
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Band4-3MHz-16QAM-19965-15RB#0



Date: 22.OCT.2020 14:44:33

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



Date: 22.OCT.2020 14:45:14

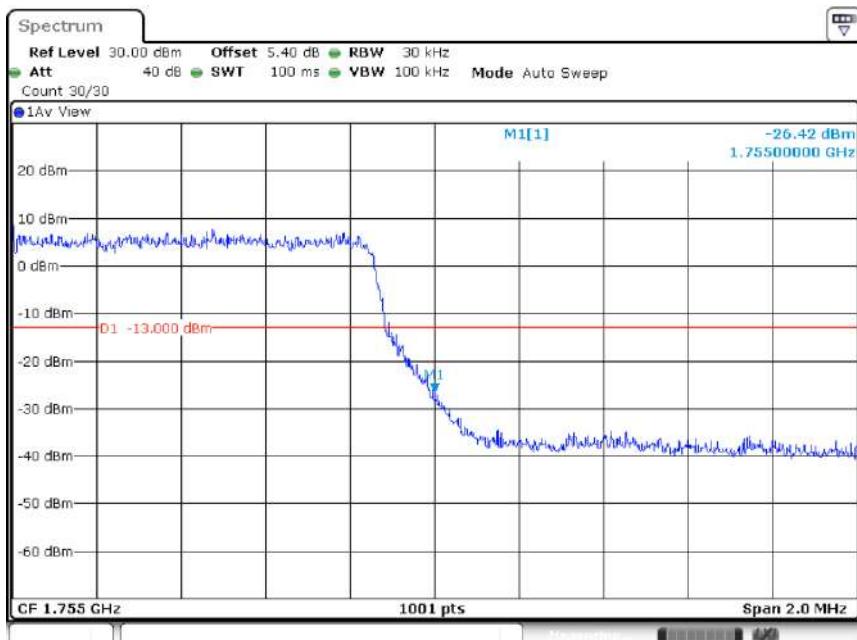
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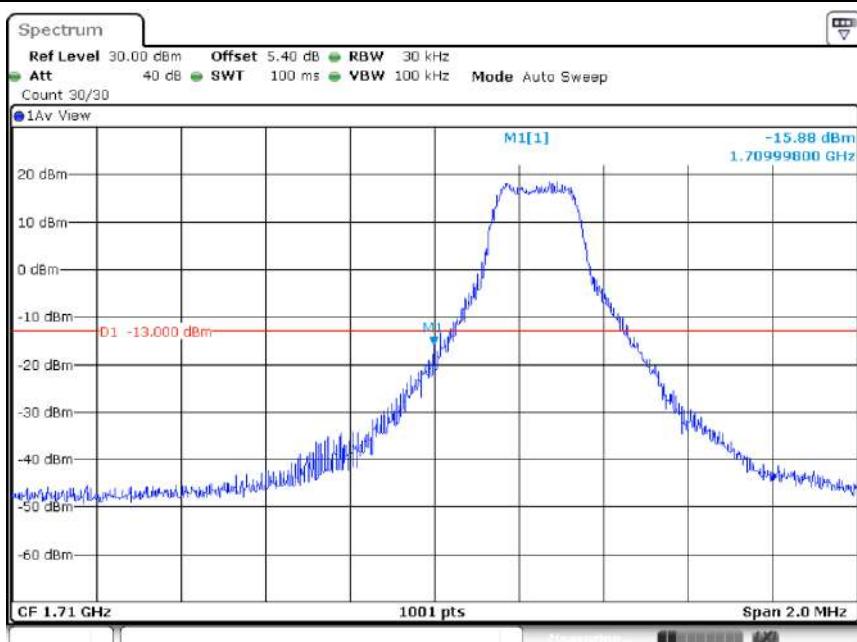
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Band4-3MHz-16QAM-20385-15RB#0



Date: 22.OCT.2020 14:45:47

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



Date: 22.OCT.2020 16:38:11

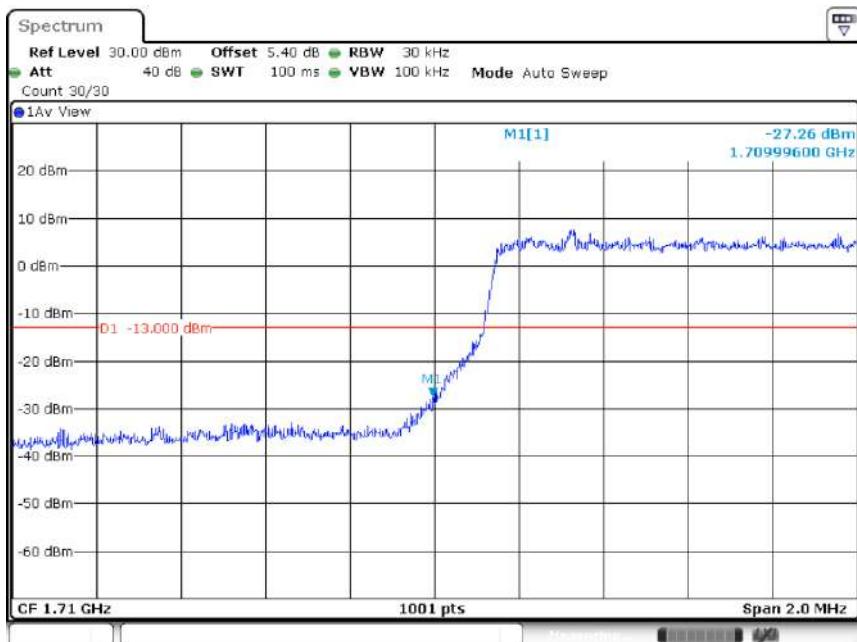
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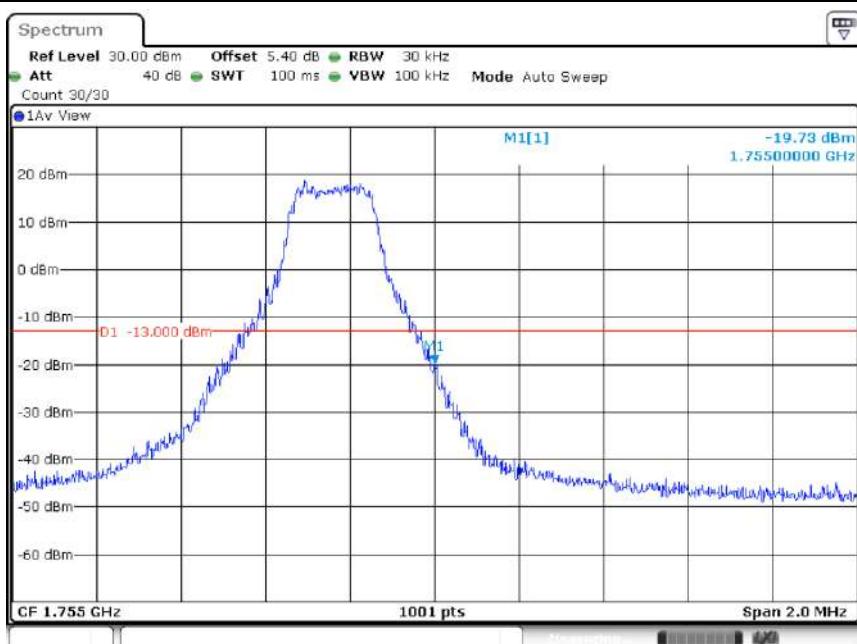
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Band4-3MHz-64QAM-19965-15RB#0



Date: 22.OCT.2020 16:38:27

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



Date: 22.OCT.2020 16:38:52

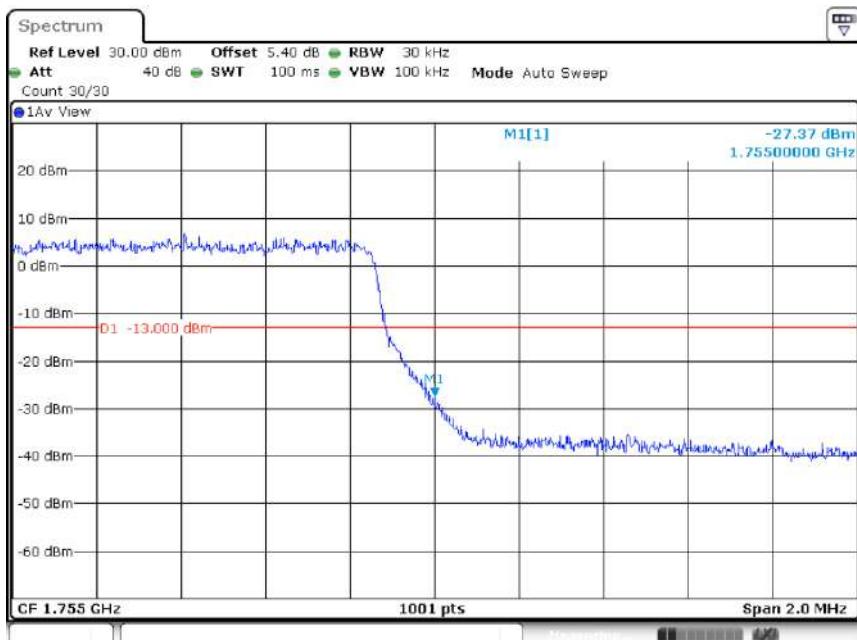
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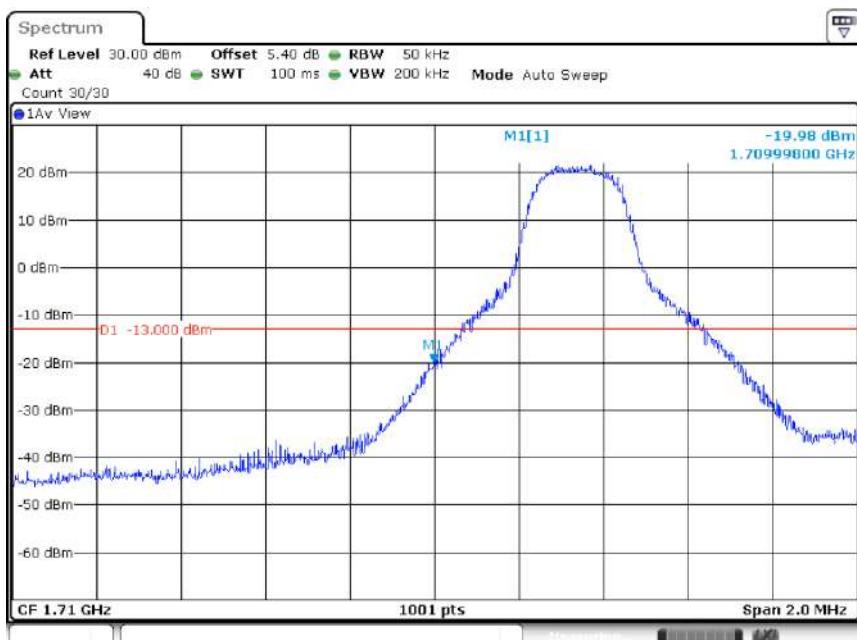
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Band4-3MHz-64QAM-20385-15RB#0



Date: 22.OCT.2020 16:39:09

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



Date: 22.OCT.2020 14:46:16

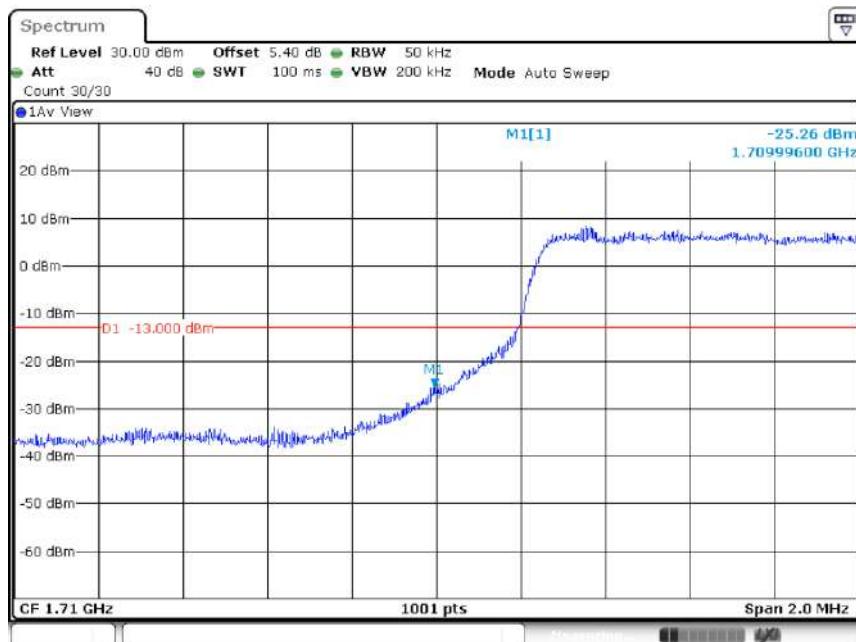
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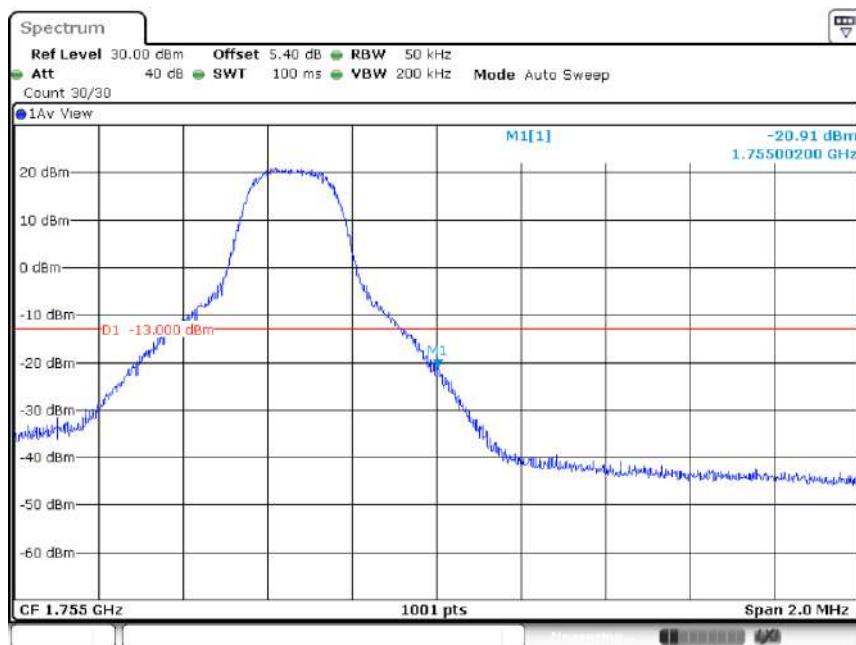
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Band4-5MHz-QPSK-19975-25RB#0



Date: 22.OCT.2020 14:46:52

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



Date: 22.OCT.2020 14:47:33

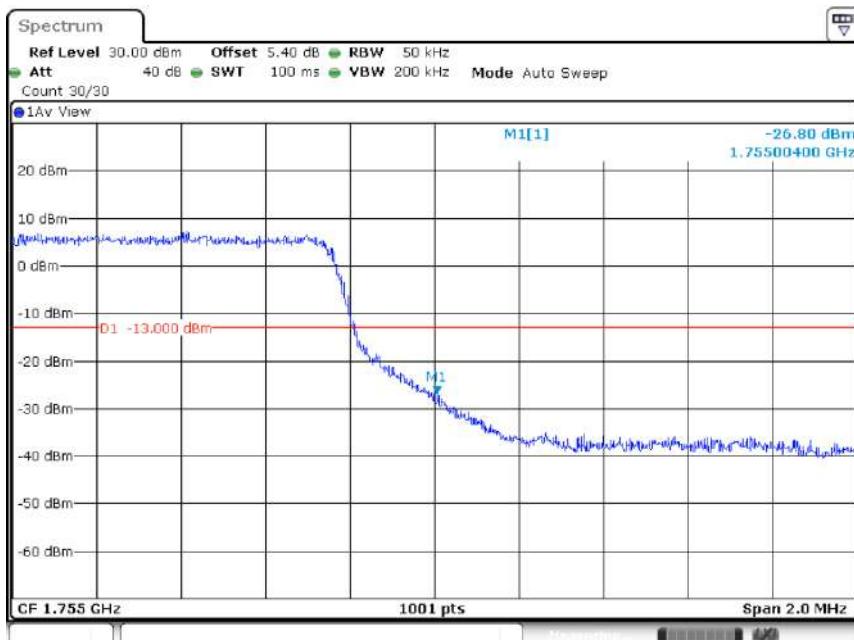
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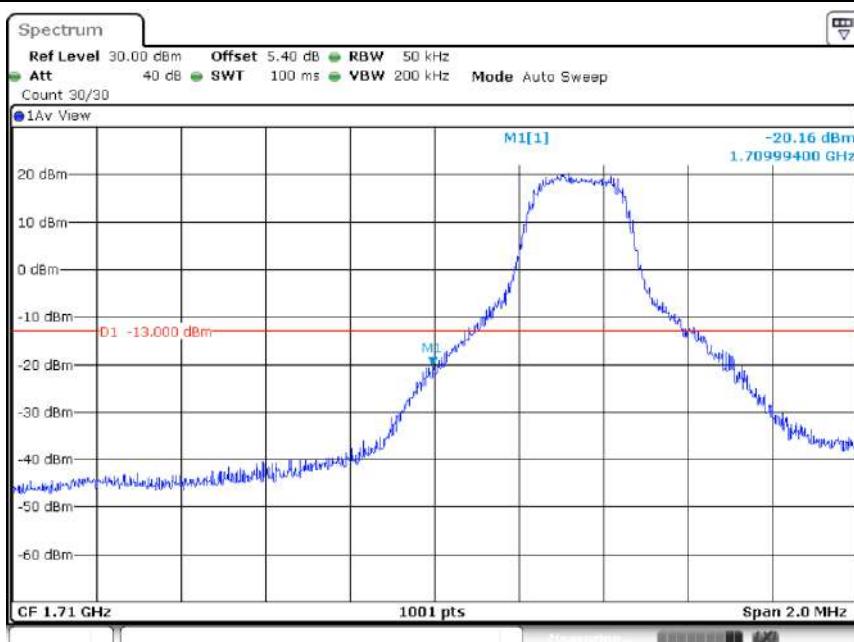
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Band4-5MHz-QPSK-20375-25RB#0



Date: 22.OCT.2020 14:48:06

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



Date: 22.OCT.2020 14:46:33

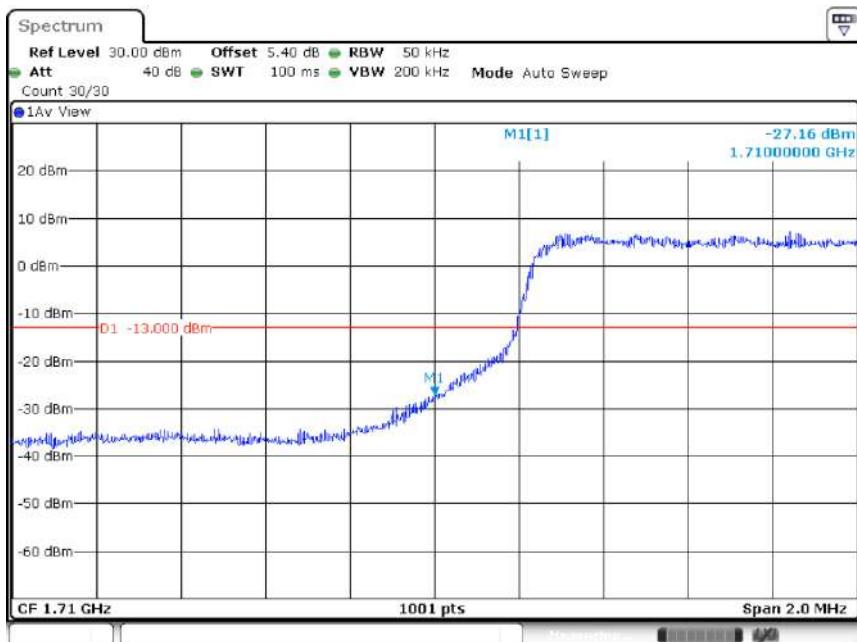
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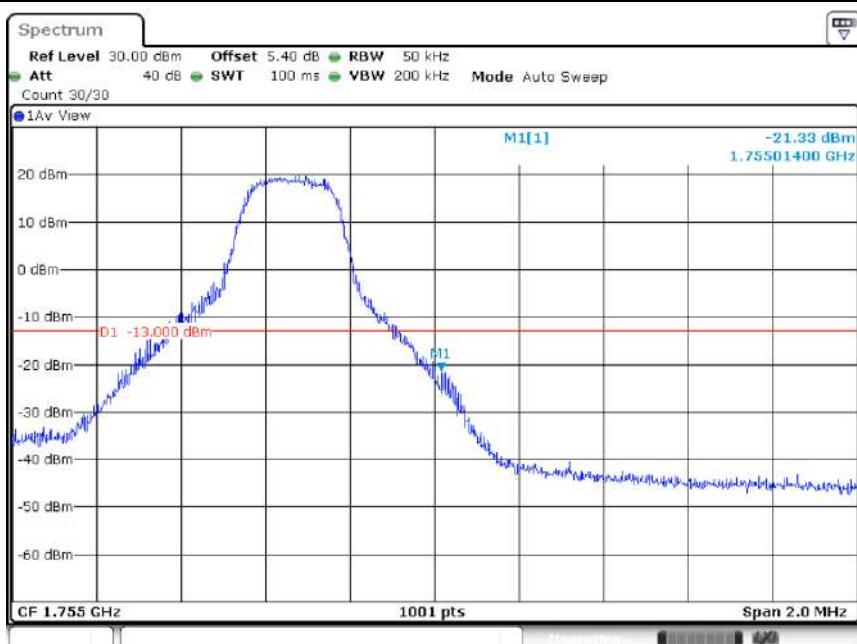
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Band4-5MHz-16QAM-19975-25RB#0



Date: 22.OCT.2020 14:47:08

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



Date: 22.OCT.2020 14:47:49

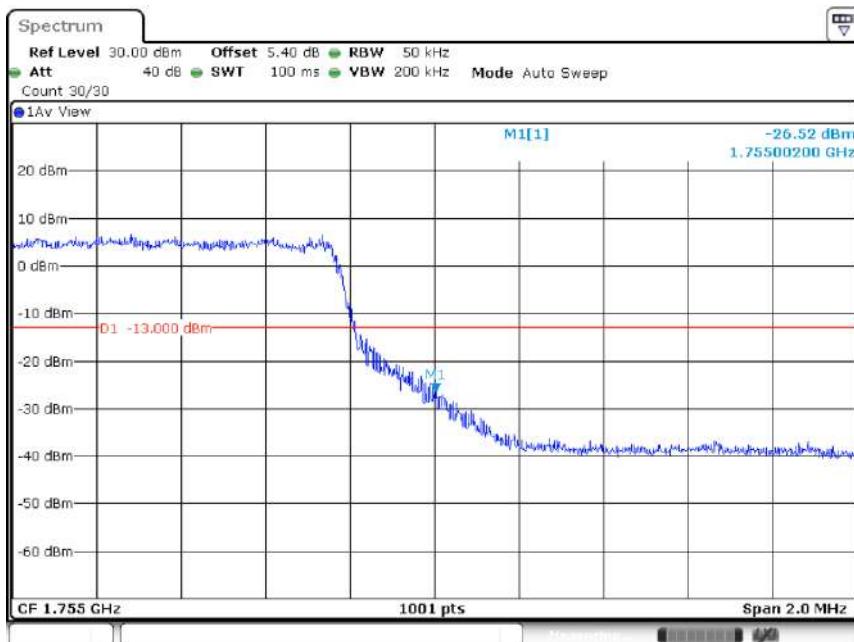
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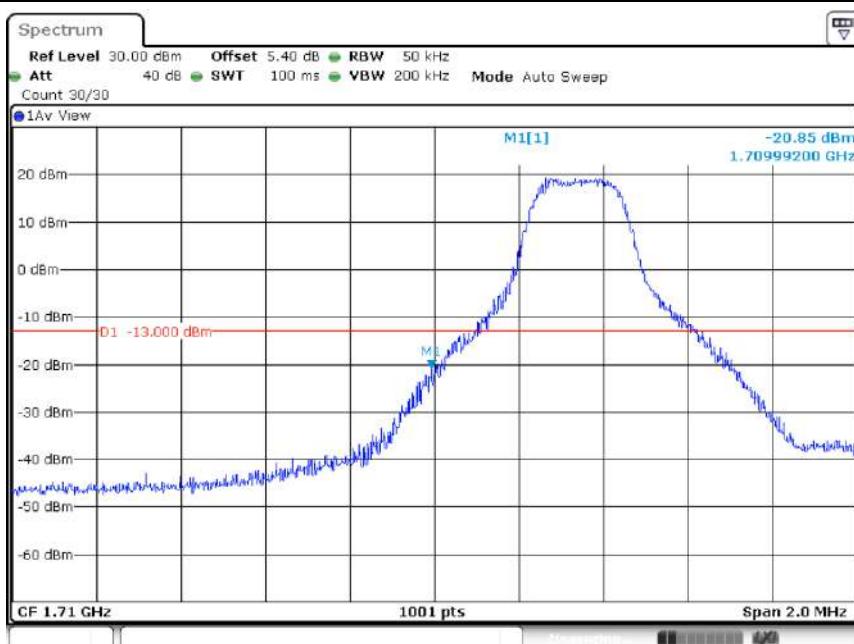
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Band4-5MHz-16QAM-20375-25RB#0



Date: 22.OCT.2020 14:48:23

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



Date: 22.OCT.2020 16:39:35

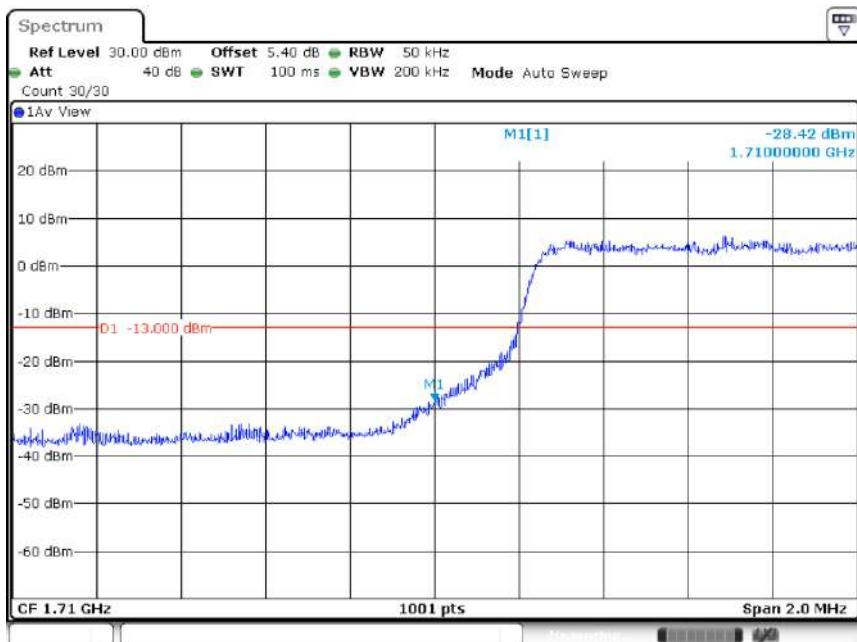
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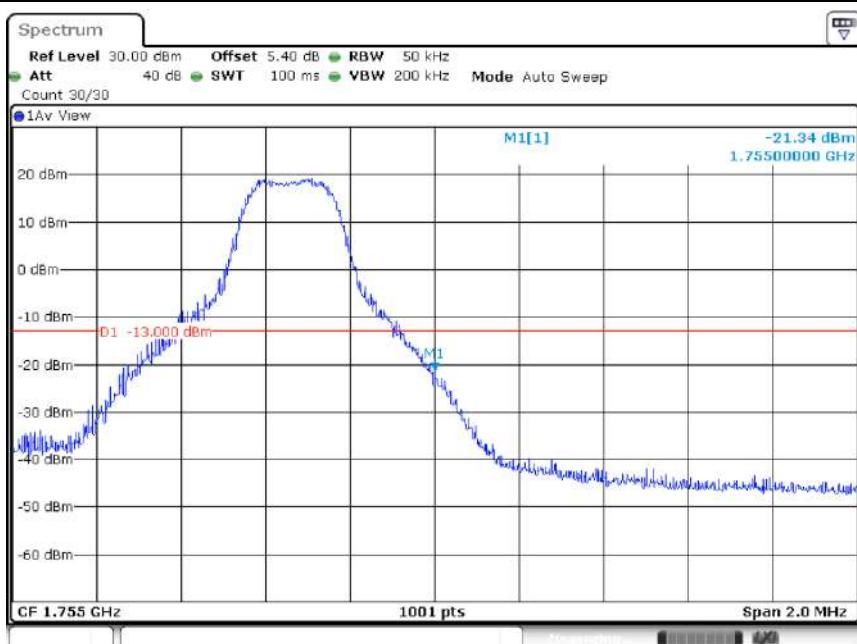
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Band4-5MHz-64QAM-19975-25RB#0



Date: 22.OCT.2020 16:39:52

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



Date: 22.OCT.2020 16:40:17

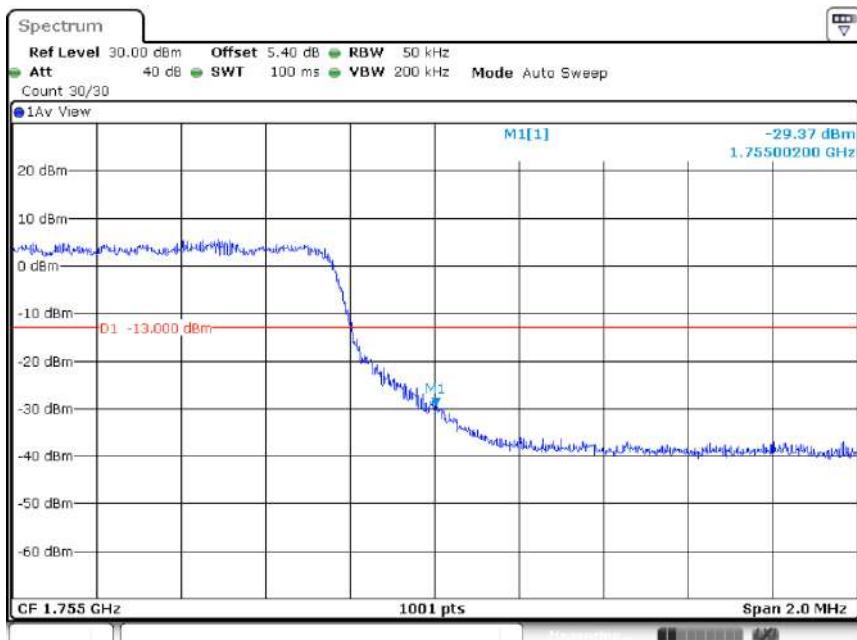
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Band4-5MHz-64QAM-20375-25RB#0



Date: 22.OCT.2020 16:40:33

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



Date: 22.OCT.2020 14:48:49

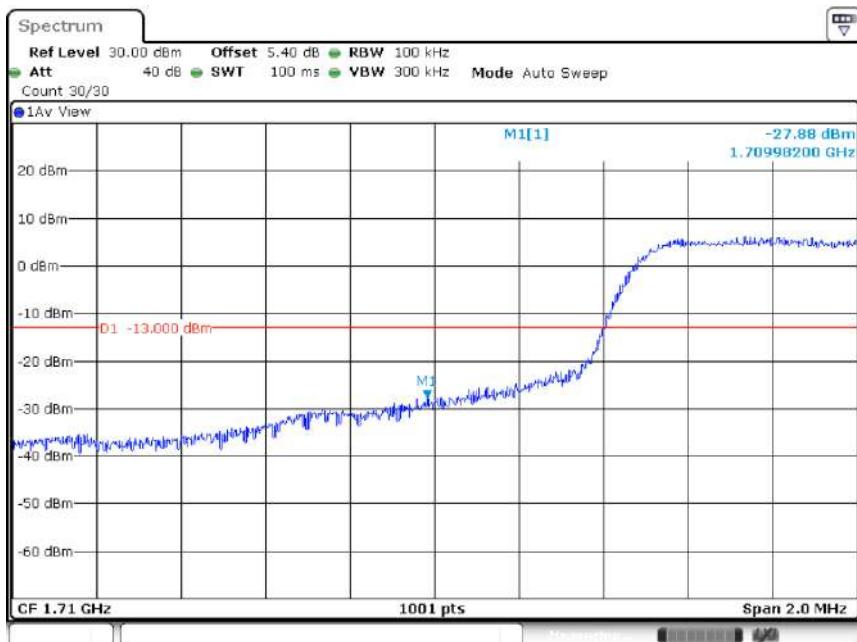
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Band4-10MHz-QPSK-20000-50RB#0



Date: 22.OCT.2020 14:49:22

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



Date: 22.OCT.2020 14:50:03

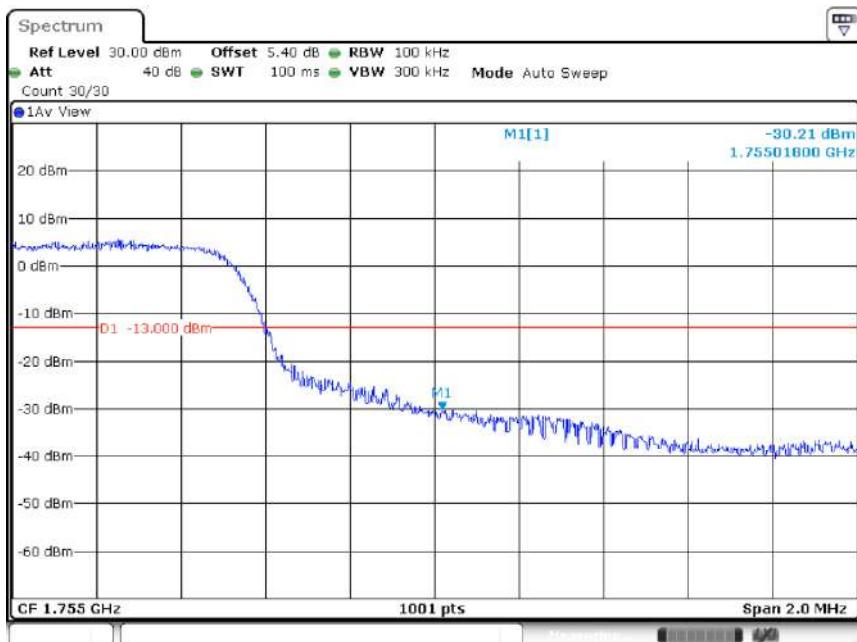
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Band4-10MHz-QPSK-20350-50RB#0



Date: 22.OCT.2020 14:50:37

Band4-10MHz-16QAM-20000-1RB#0



Date: 22.OCT.2020 14:49:06

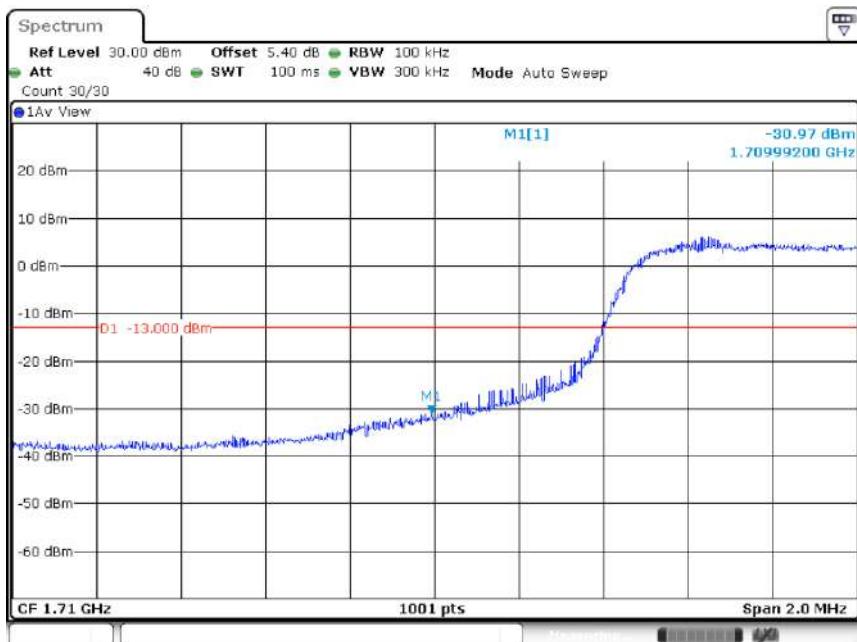
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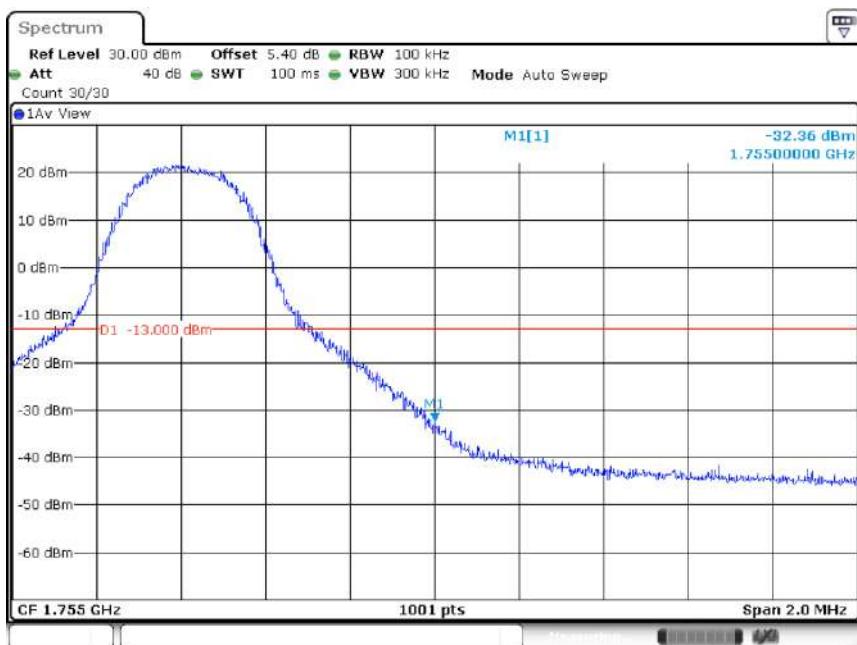
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Band4-10MHz-16QAM-20000-50RB#0



Date: 22.OCT.2020 14:49:39

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



Date: 22.OCT.2020 14:50:20

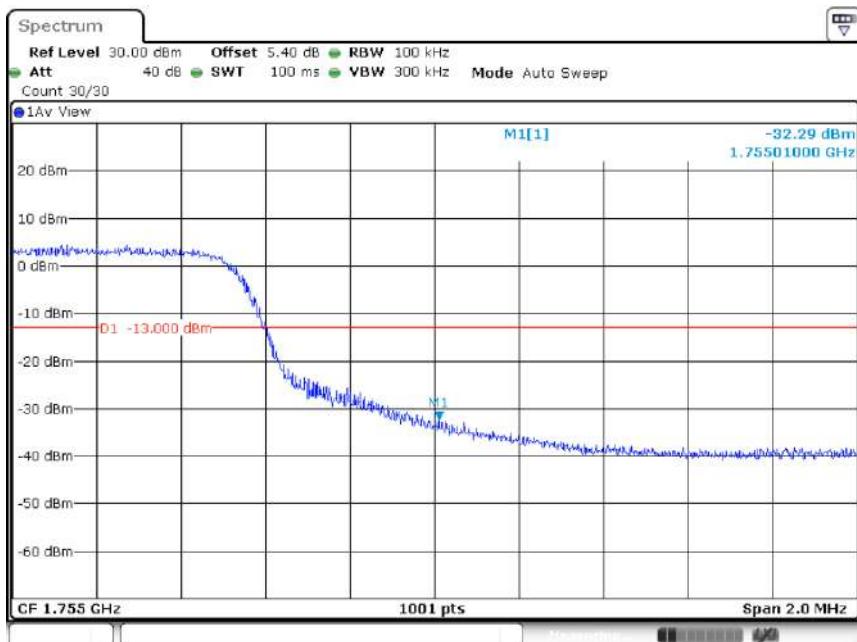
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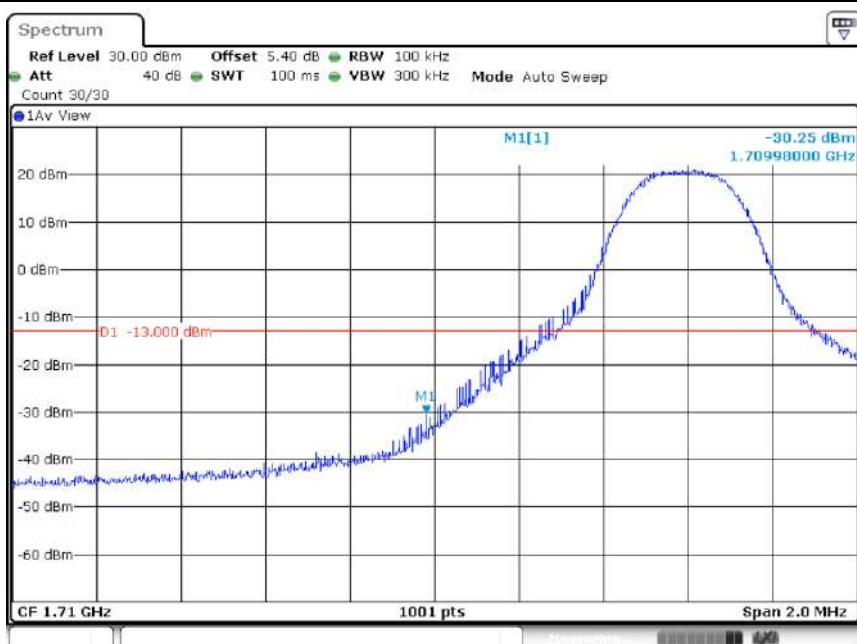
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Band4-10MHz-16QAM-20350-50RB#0



Date: 22.OCT.2020 14:50:53

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



Date: 22.OCT.2020 16:43:12

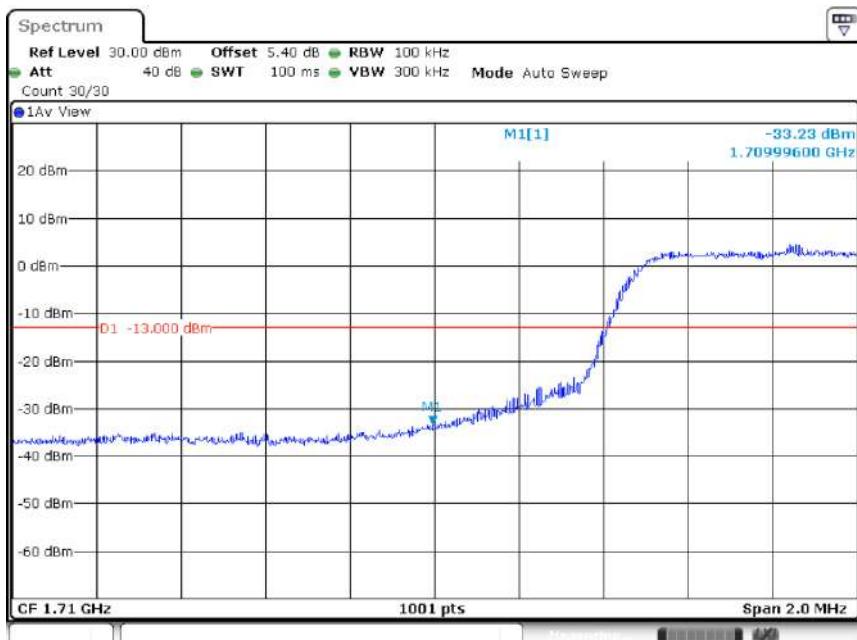
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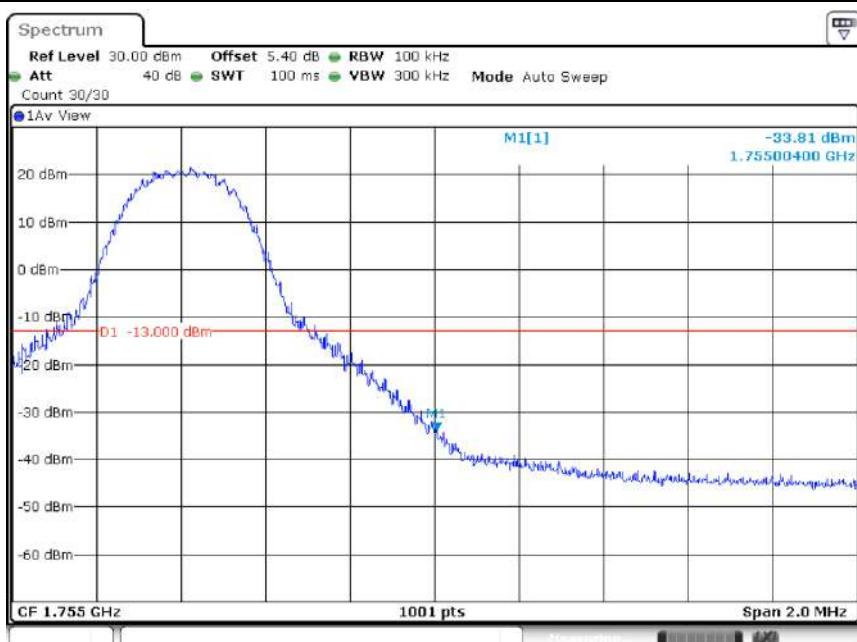
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Band4-10MHz-64QAM-20000-50RB#0



Date: 22.OCT.2020 16:43:28

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



Date: 22.OCT.2020 16:43:53

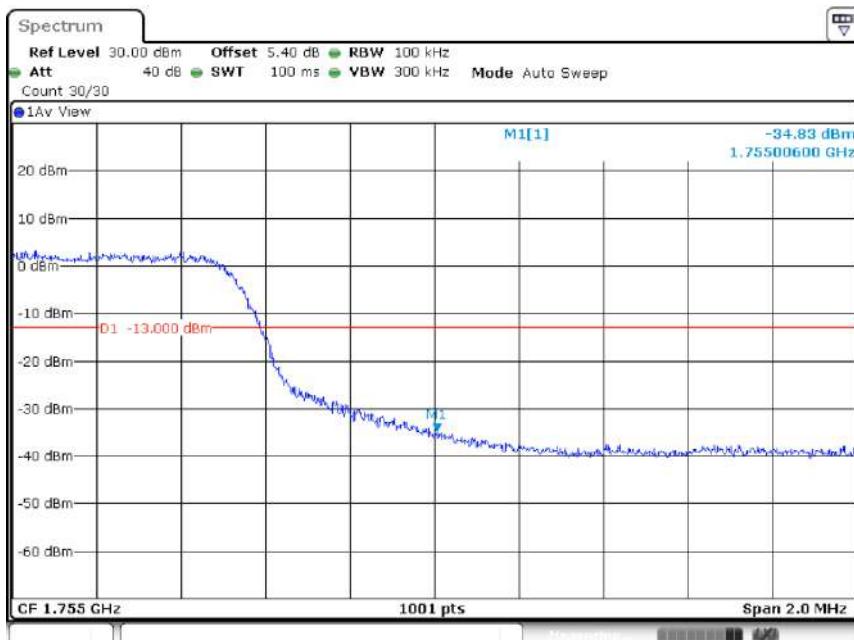
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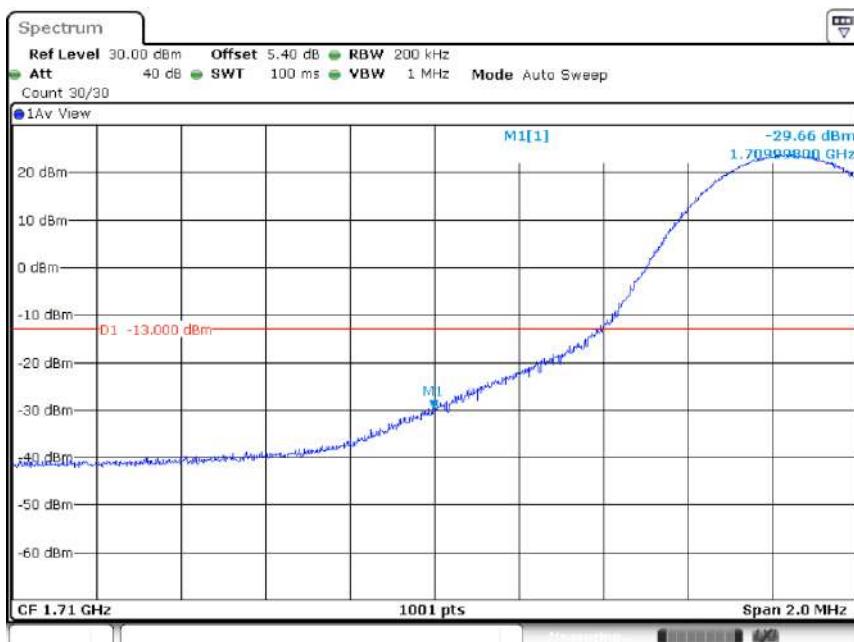
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Band4-10MHz-64QAM-20350-50RB#0



Date: 22.OCT.2020 16:44:10

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



Date: 22.OCT.2020 14:51:21

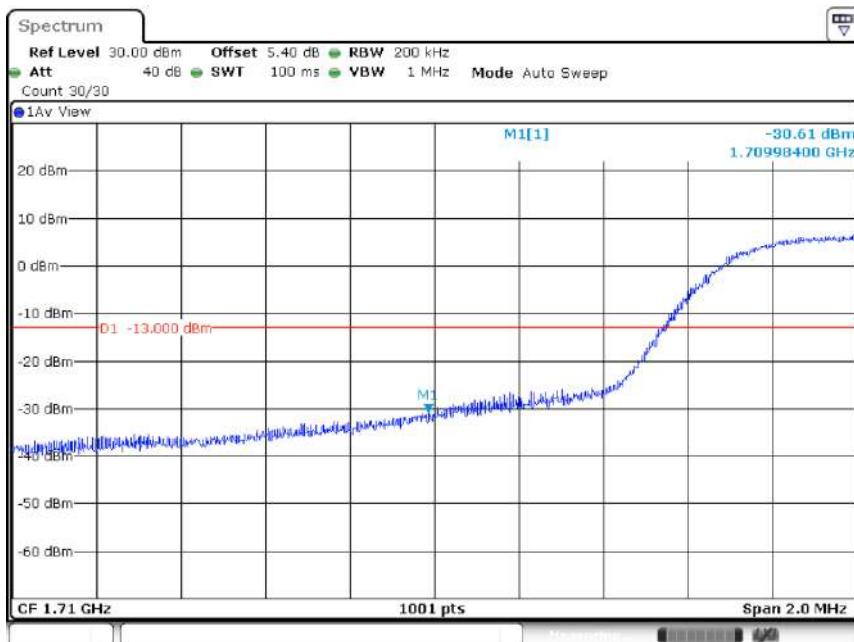
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Band4-15MHz-QPSK-20025-75RB#0



Date: 22.OCT.2020 14:51:55

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



Date: 22.OCT.2020 14:52:36

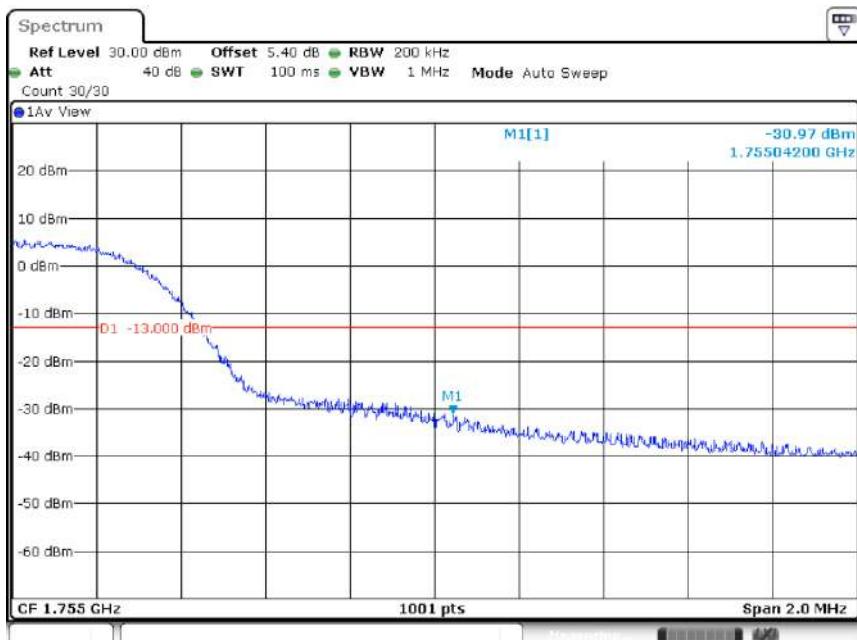
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Band4-15MHz-QPSK-20325-75RB#0



Date: 22.OCT.2020 14:53:10

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



Date: 22.OCT.2020 14:51:38

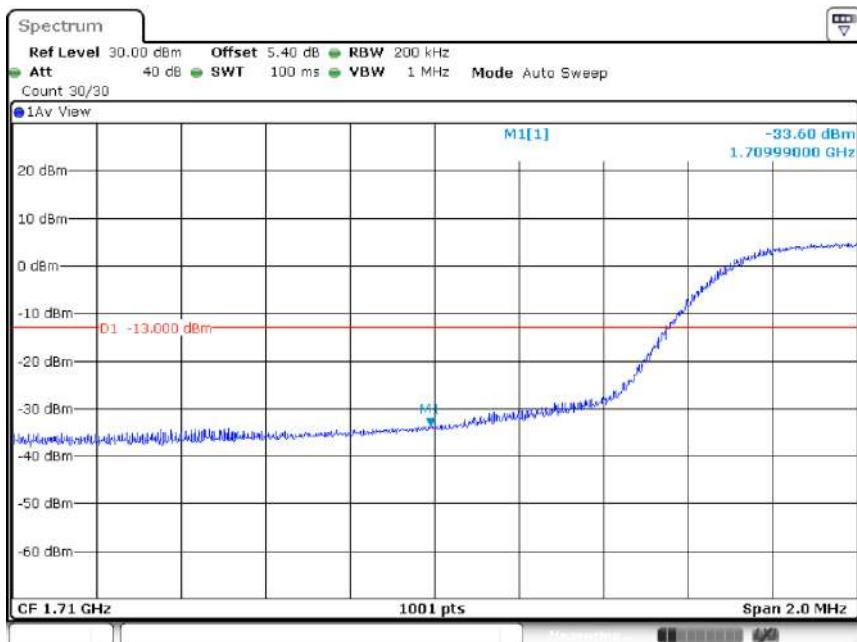
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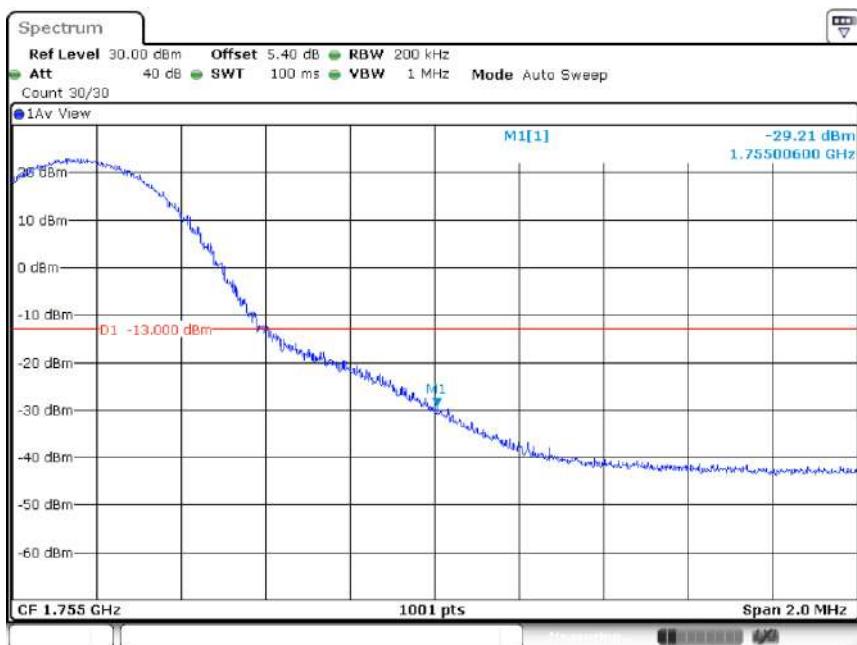
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Band4-15MHz-16QAM-20025-75RB#0



Date: 22.OCT.2020 14:52:11

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



Date: 22.OCT.2020 14:52:52

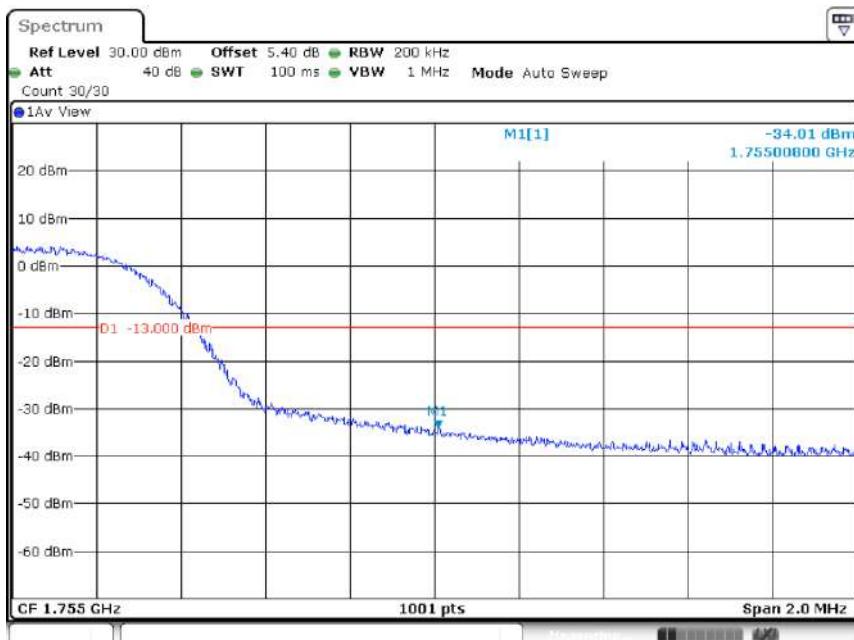
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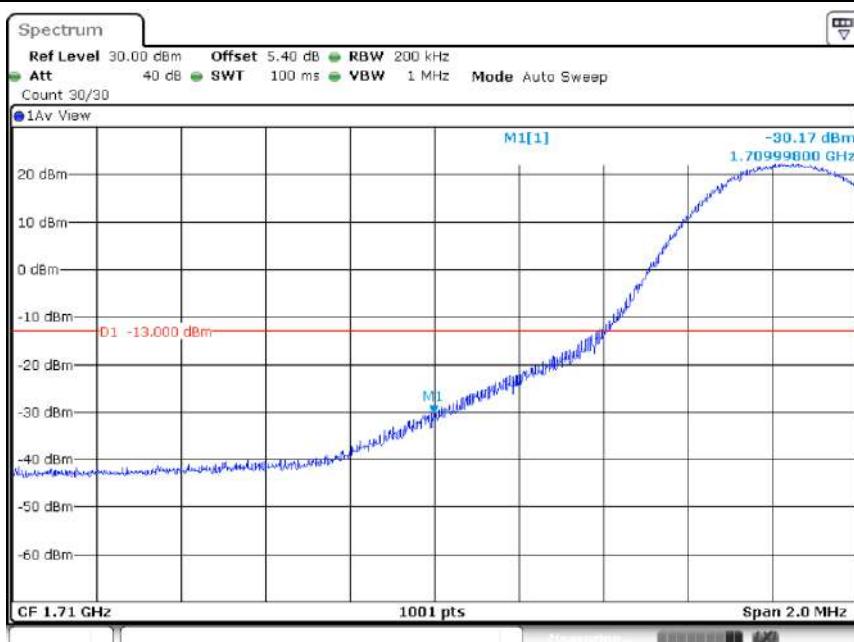
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Band4-15MHz-16QAM-20325-75RB#0



Date: 22.OCT.2020 14:53:26

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



Date: 22.OCT.2020 16:44:37

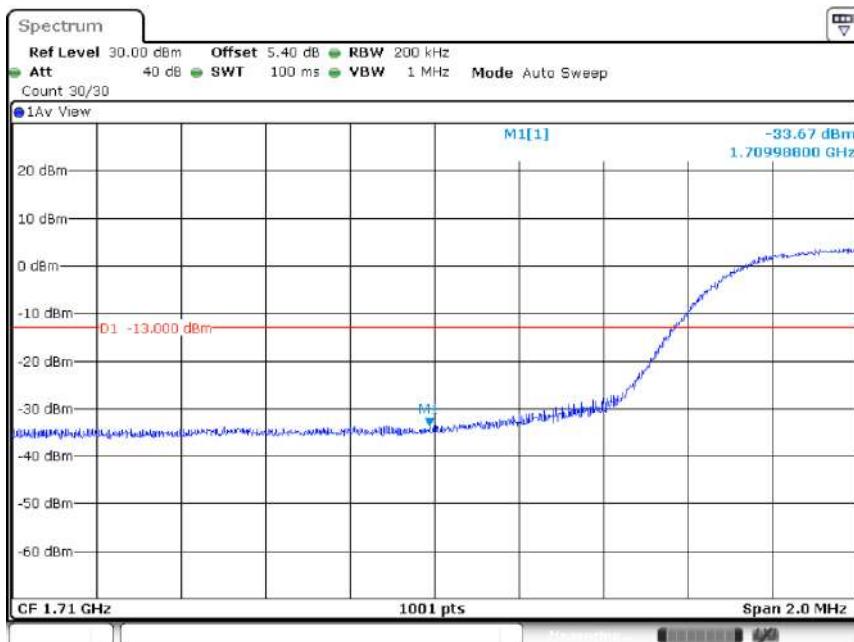
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Band4-15MHz-64QAM-20025-75RB#0



Date: 22.OCT.2020 16:44:53

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



Date: 22.OCT.2020 16:45:18

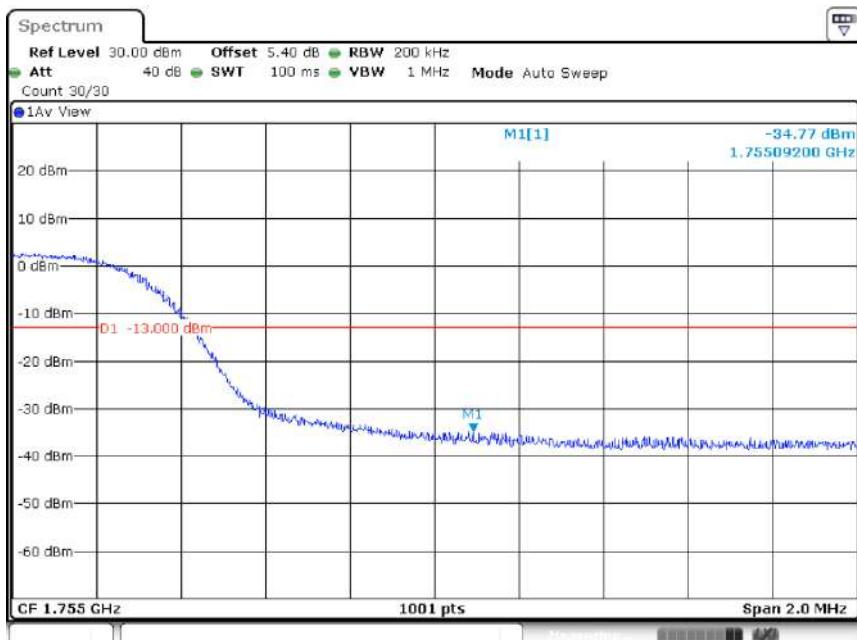
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Band4-15MHz-64QAM-20325-75RB#0



Date: 22.OCT.2020 16:45:35

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



Date: 22.OCT.2020 14:53:52

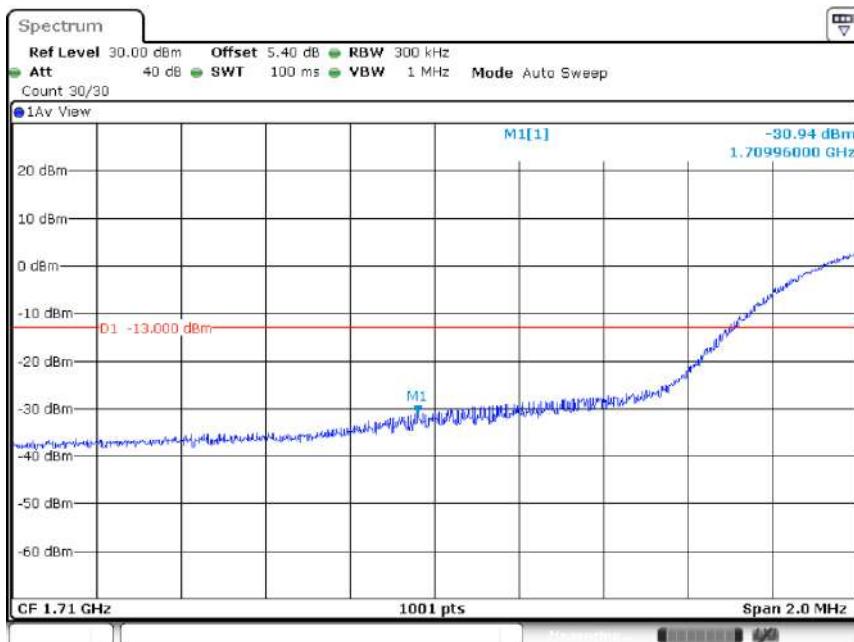
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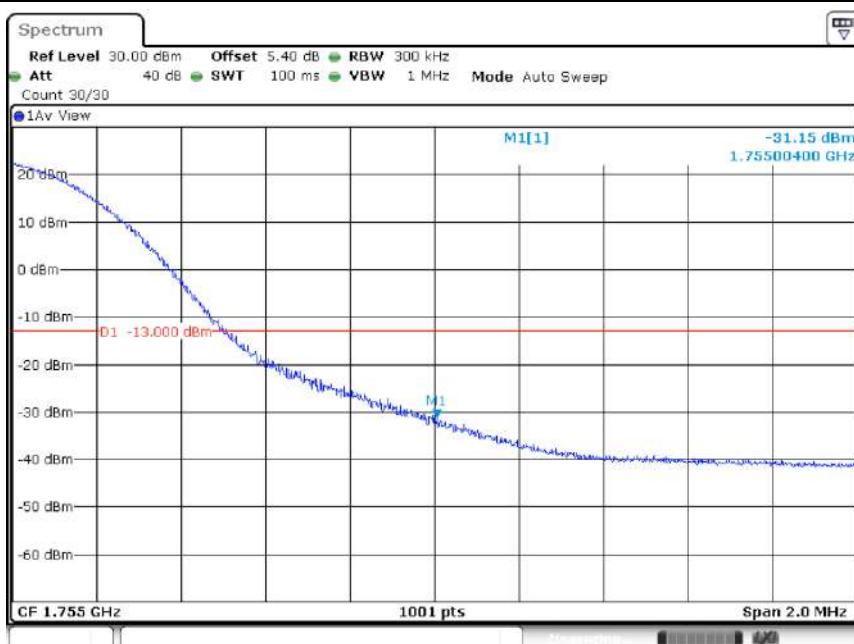
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Band4-20MHz-QPSK-20050-100RB#0



Date: 22.OCT.2020 14:54:25

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



Date: 22.OCT.2020 14:55:06

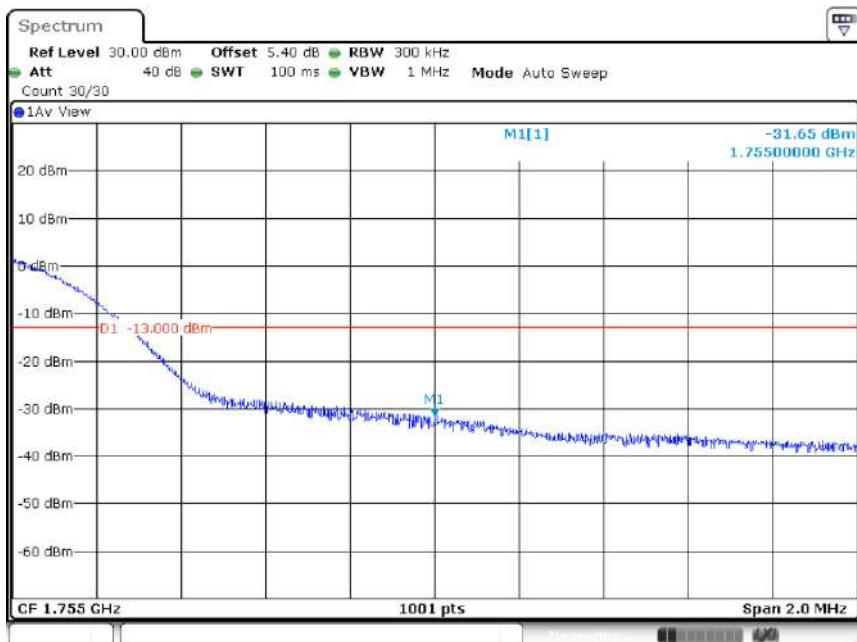
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Band4-20MHz-QPSK-20300-100RB#0



Date: 22.OCT.2020 14:55:40

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



Date: 22.OCT.2020 14:54:09

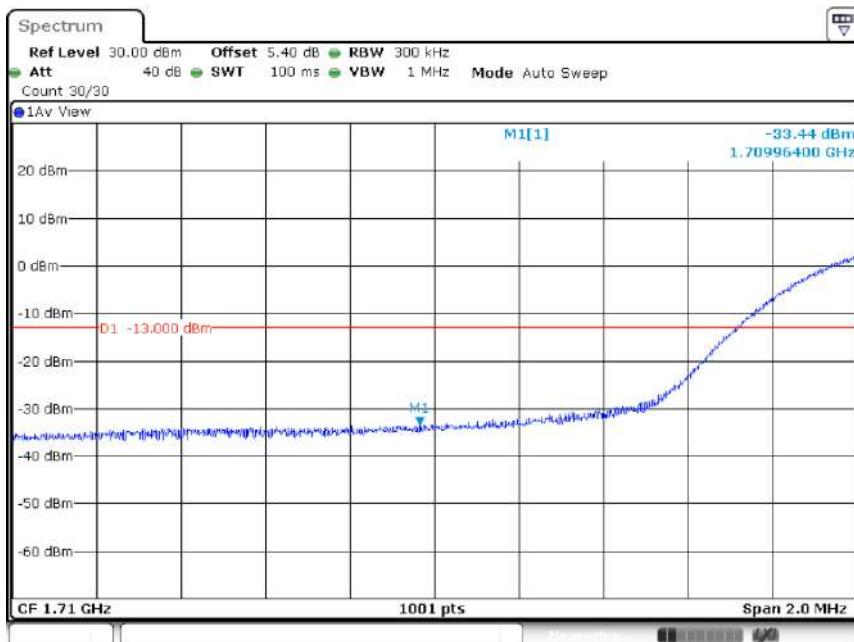
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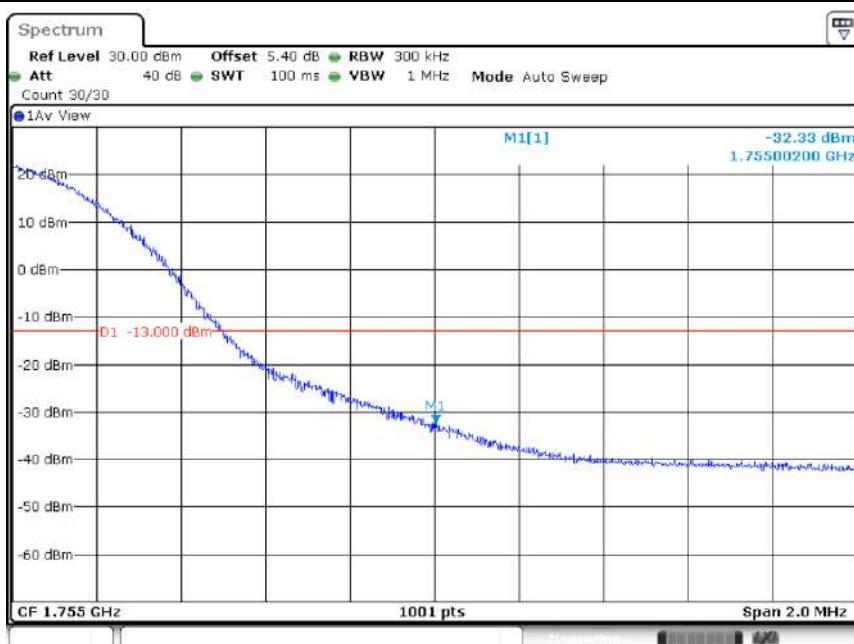
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Band4-20MHz-16QAM-20050-100RB#0



Date: 22.OCT.2020 14:54:42

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



Date: 22.OCT.2020 14:55:23

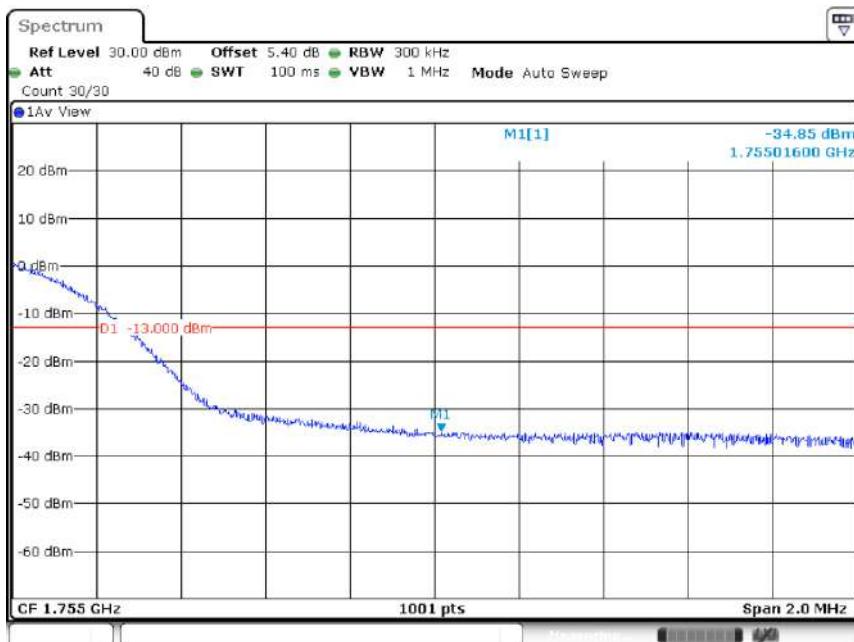
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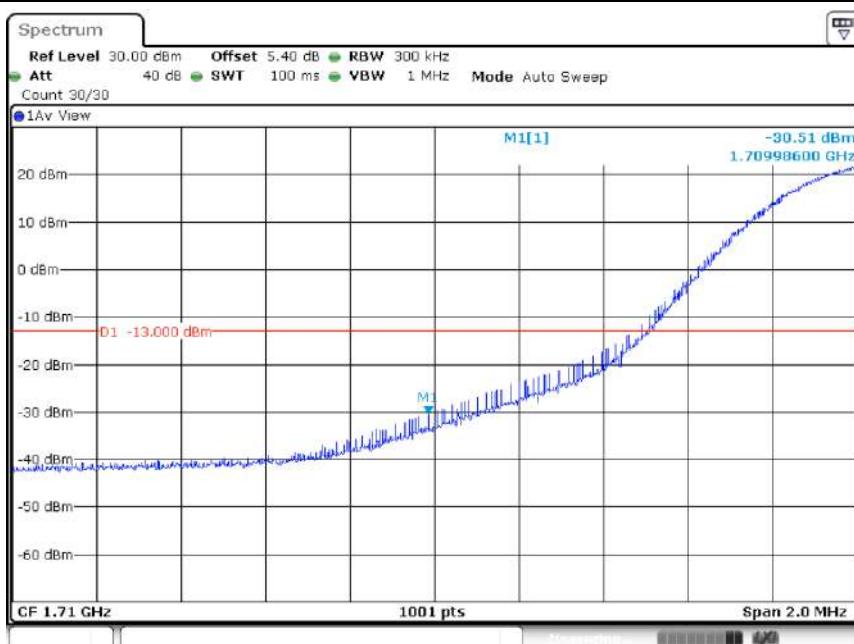
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Band4-20MHz-16QAM-20300-100RB#0



Date: 22.OCT.2020 14:55:56

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



Date: 22.OCT.2020 16:46:01

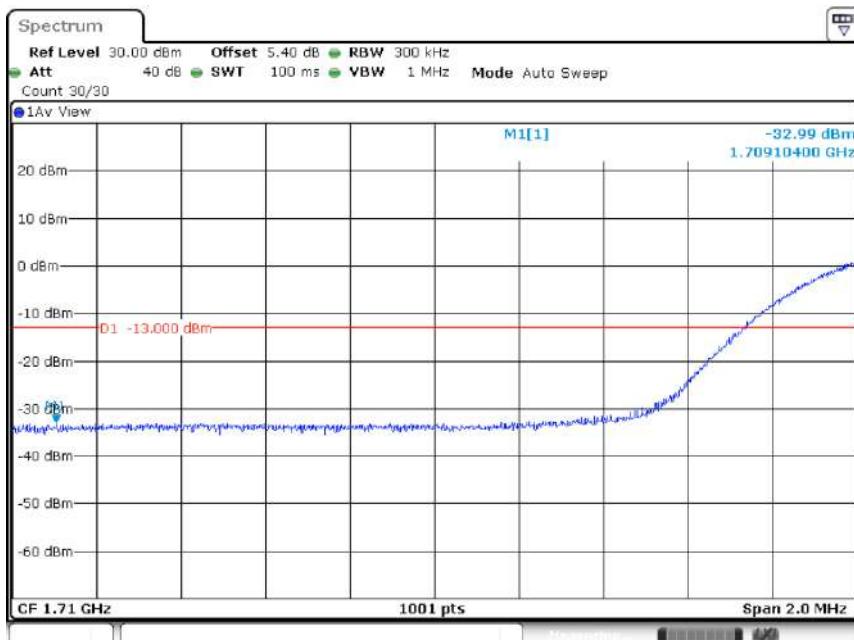
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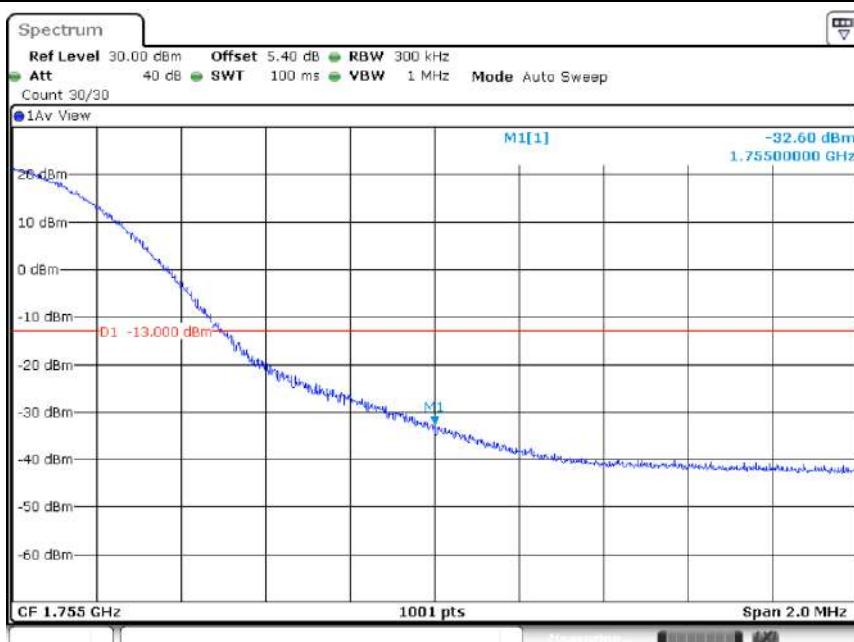
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Band4-20MHz-64QAM-20050-100RB#0



Date: 22.OCT.2020 16:46:18

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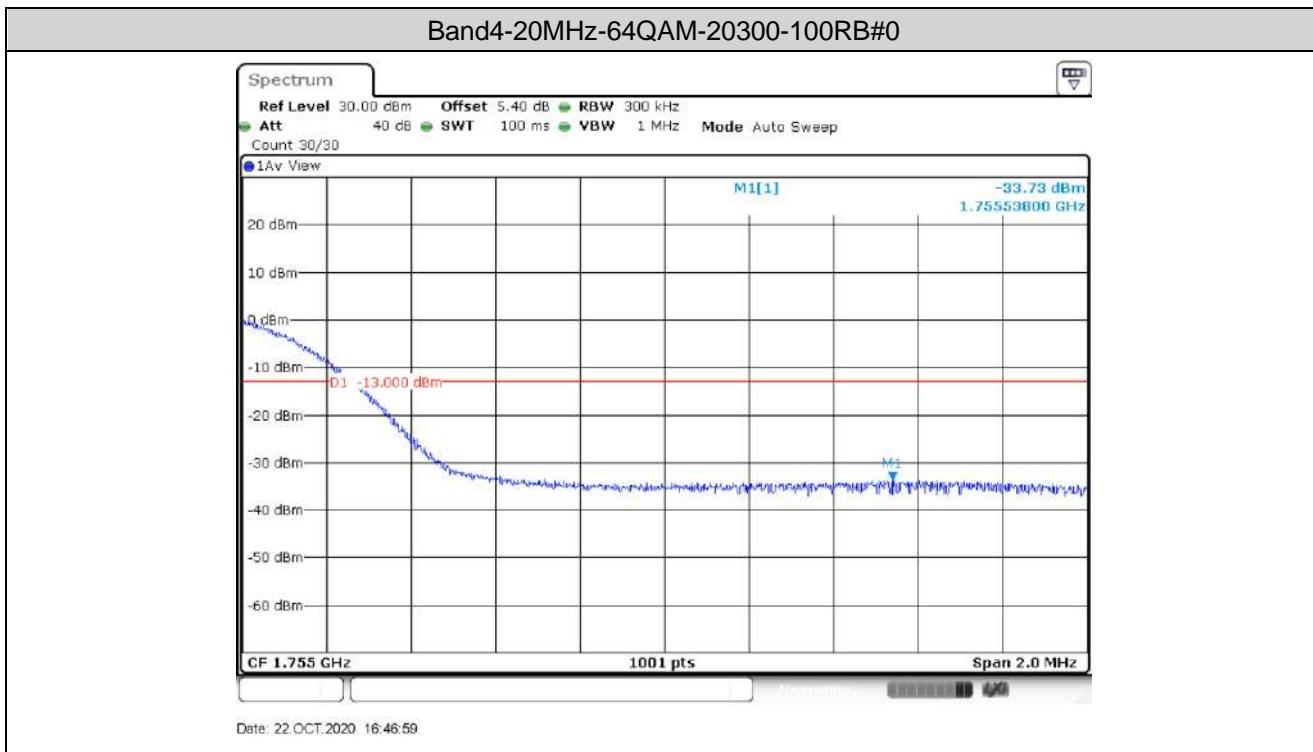
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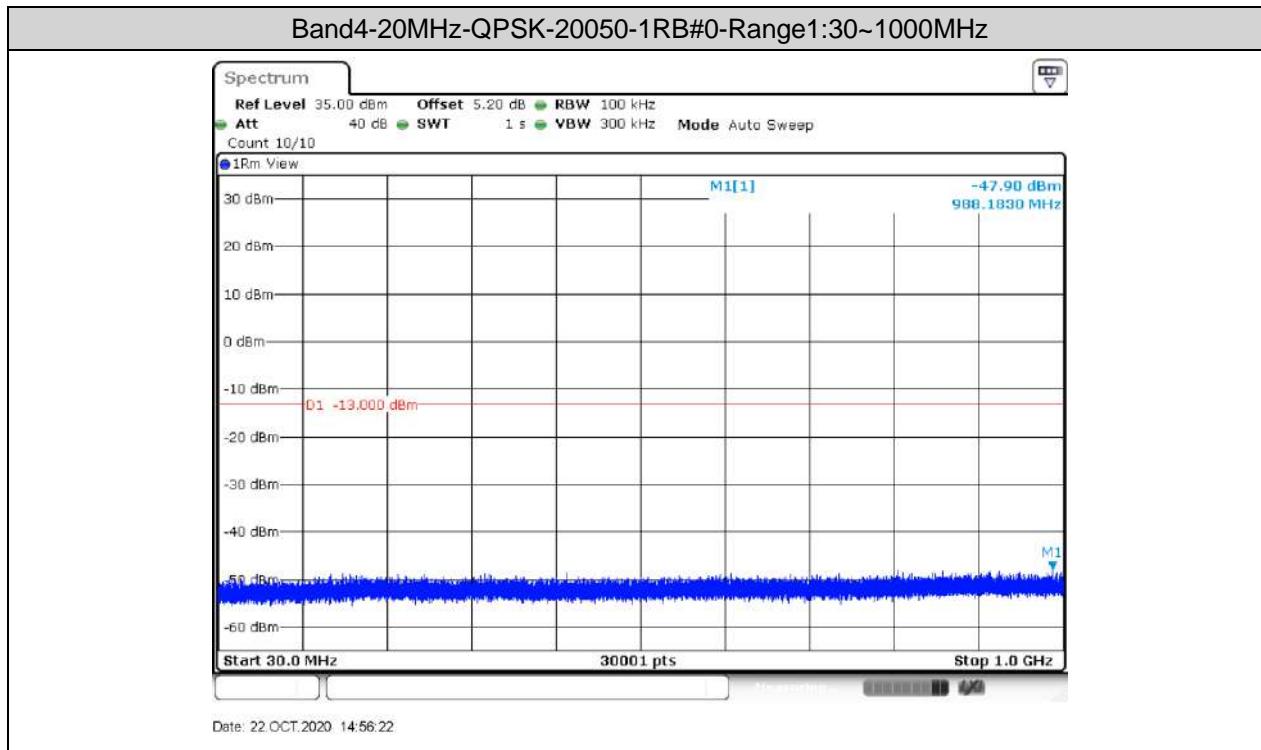
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6 Spurious Emission at Antenna Terminal

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 $< \text{RBW}/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k * (\text{Span} / \text{RBW})$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

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

6.1 Test Plots



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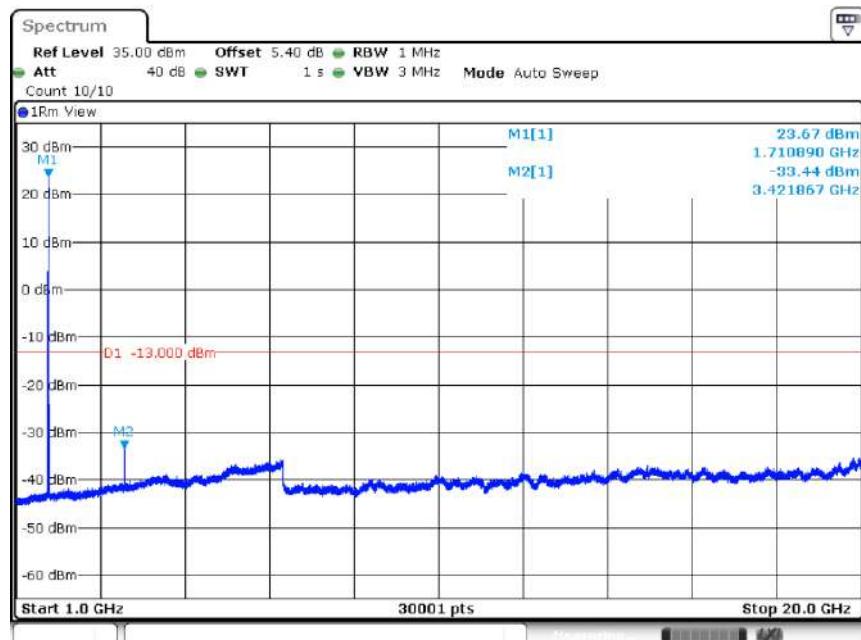
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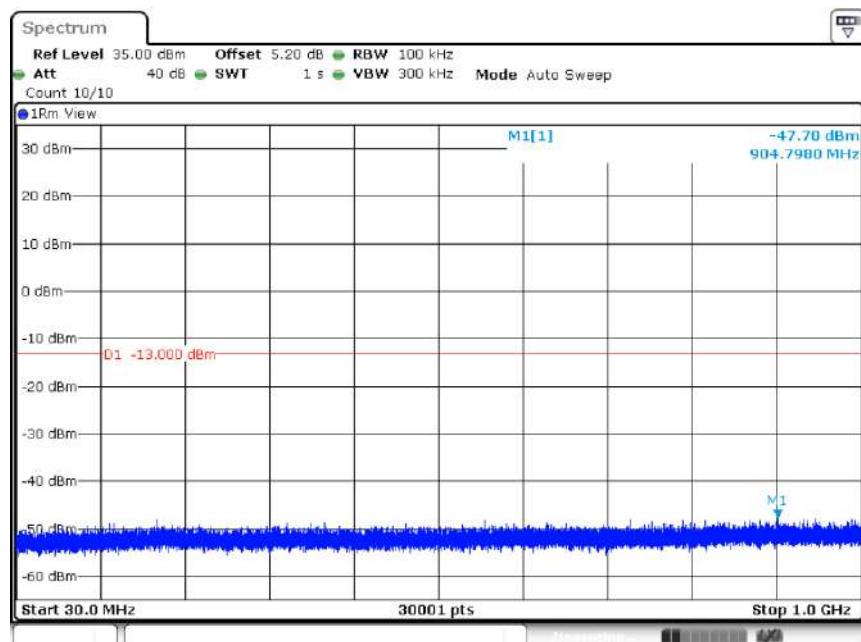
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Band4-20MHz-QPSK-20050-1RB#0-Range2:1000~20000MHz



Date: 22.OCT.2020 14:56:40

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



Date: 22.OCT.2020 14:57:41

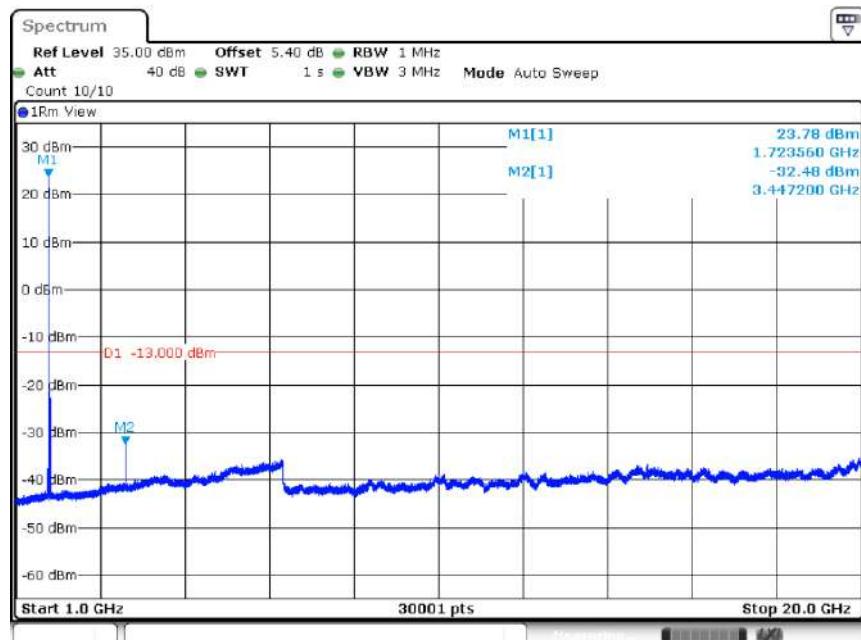
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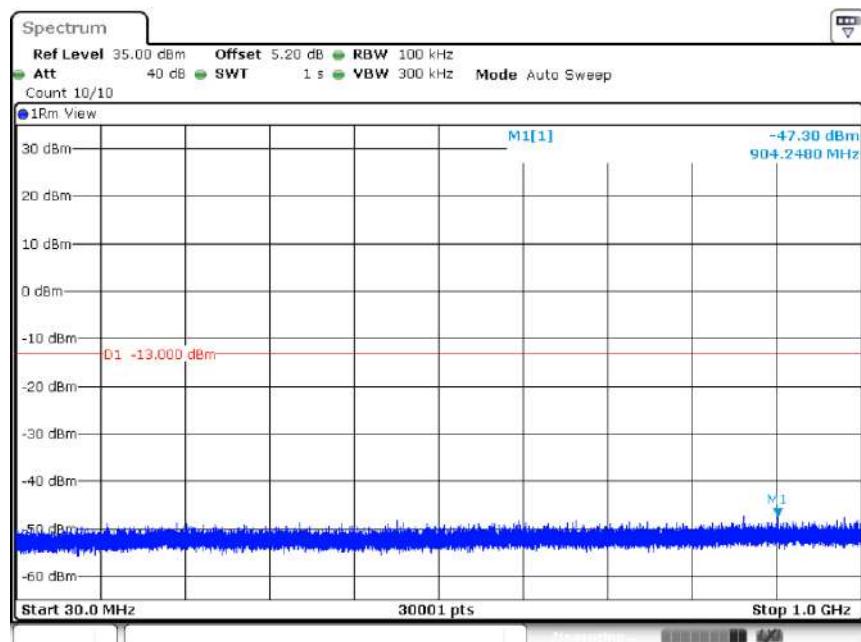
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Band4-20MHz-QPSK-20175-1RB#0-Range2:1000~20000MHz



Date: 22.OCT.2020 14:57:59

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



Date: 22.OCT.2020 14:59:00

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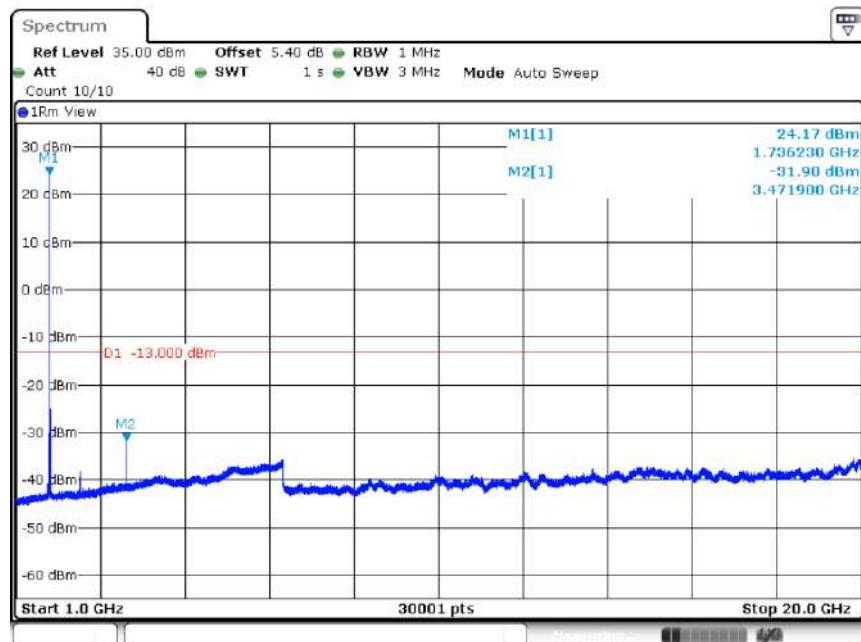
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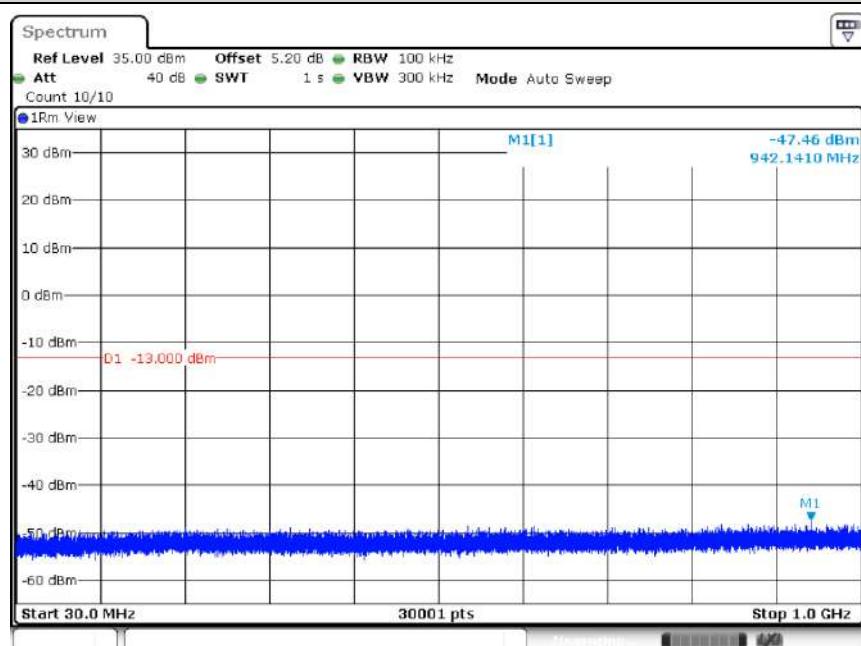
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Band4-20MHz-QPSK-20300-1RB#0-Range2:1000~20000MHz



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

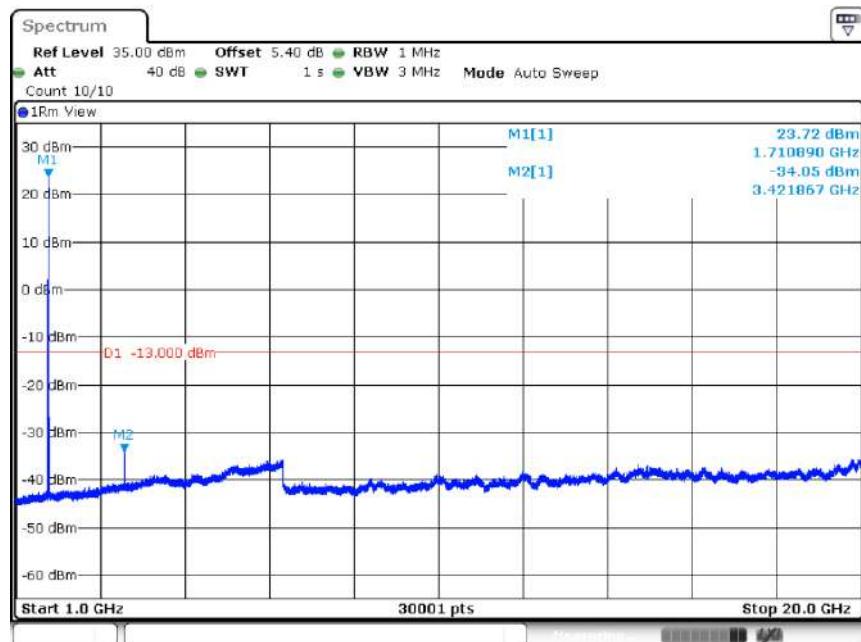


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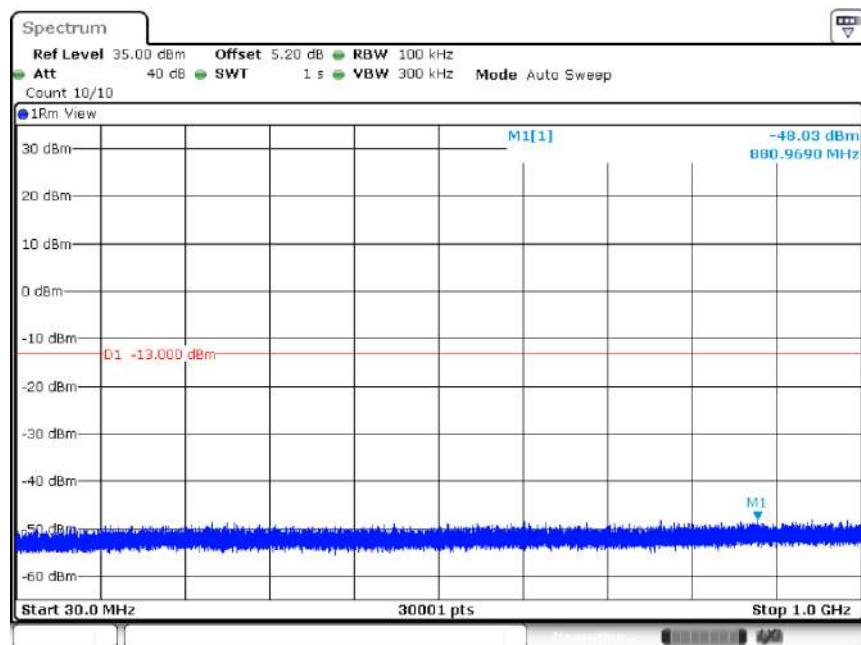


Band4-20MHz-16QAM-20050-1RB#0-Range2:1000~20000MHz



Date: 22.OCT.2020 14:57:19

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



Date: 22.OCT.2020 14:58:20

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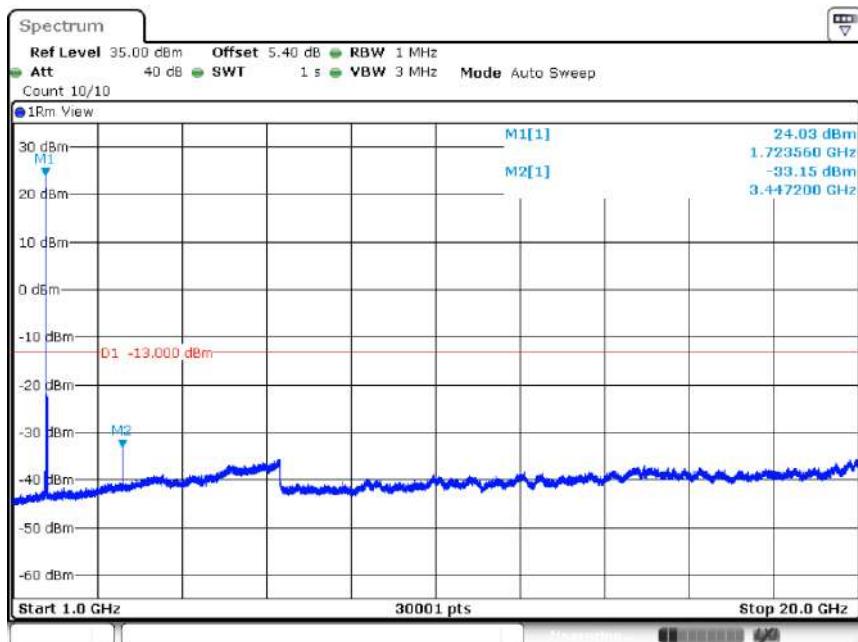
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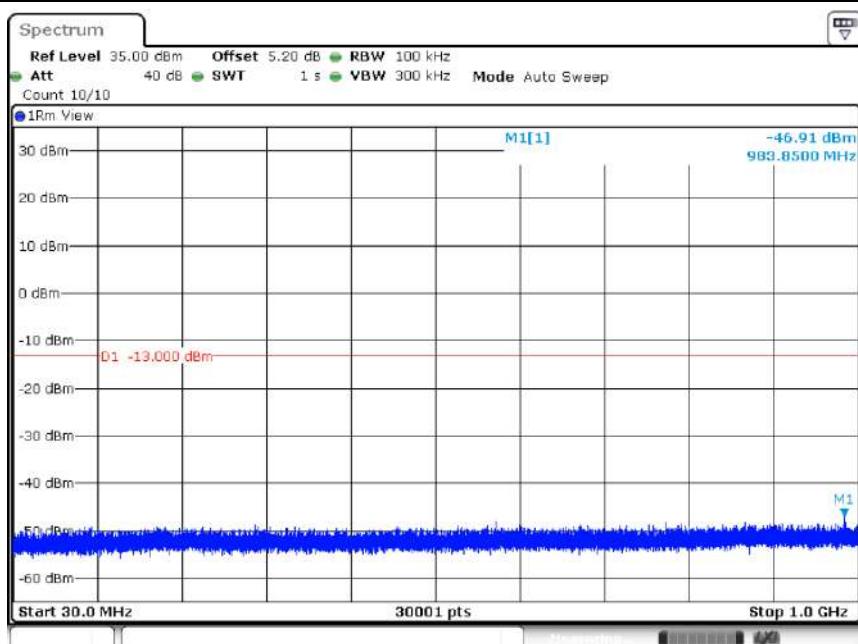
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Band4-20MHz-16QAM-20175-1RB#0-Range2:1000~20000MHz



Date: 22 OCT 2020 14:58:38

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



Date: 22 OCT 2020 14:59:38



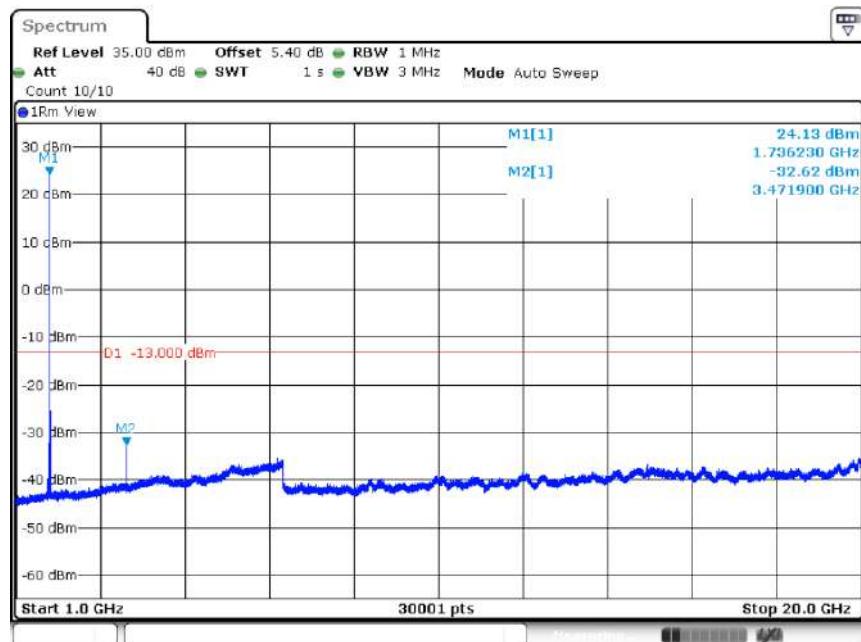
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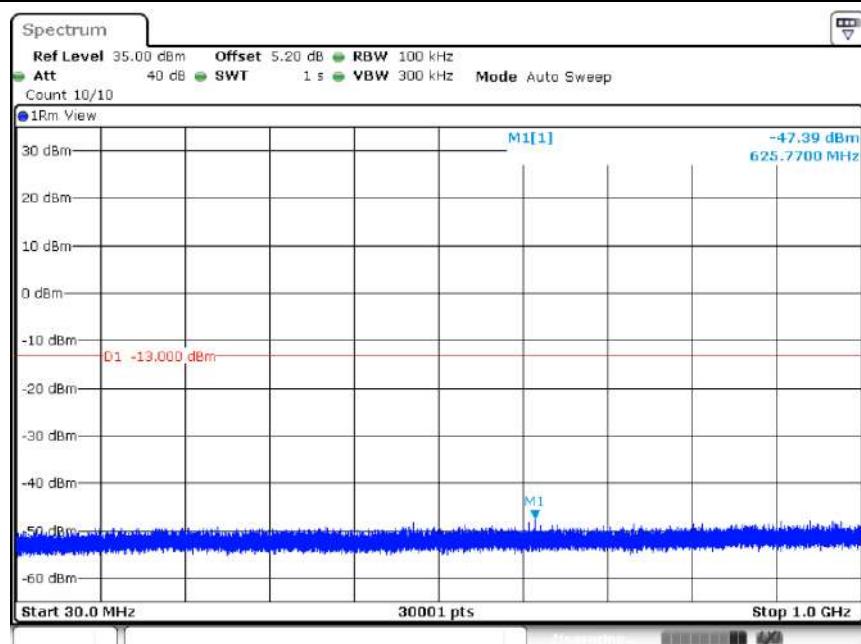
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Band4-20MHz-16QAM-20300-1RB#0-Range2:1000~20000MHz



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

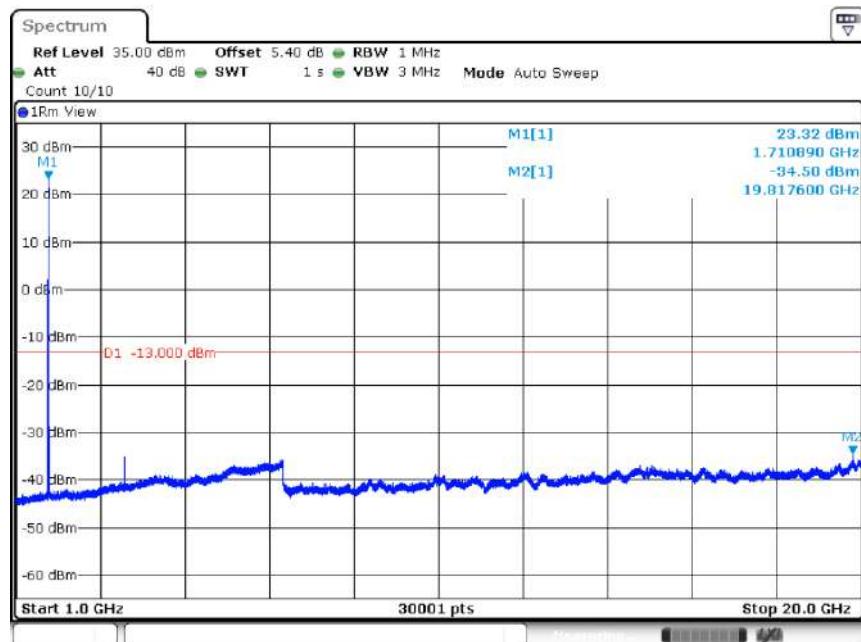


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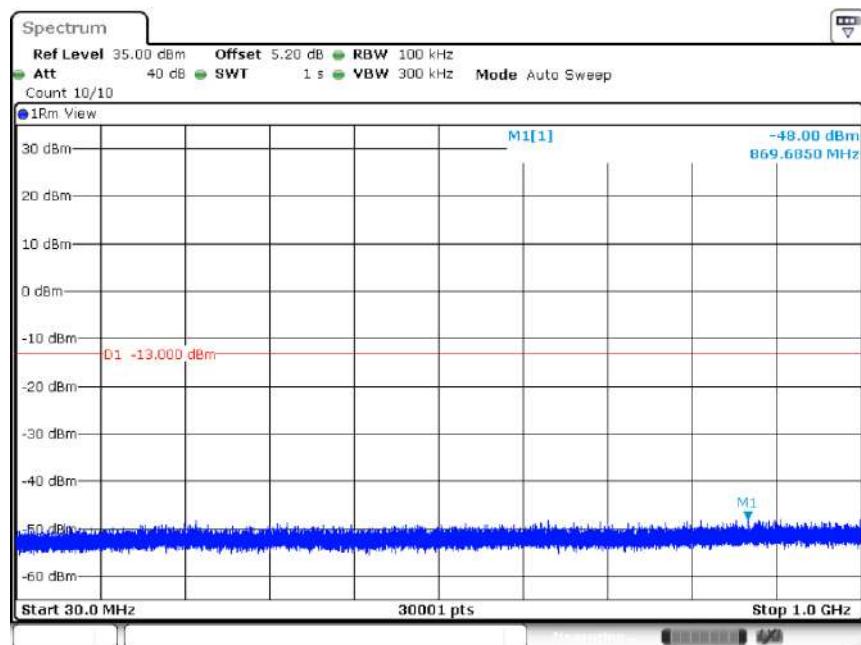


Band4-20MHz-64QAM-20050-1RB#0-Range2:1000~20000MHz



Date: 22.OCT.2020 16:47:44

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



Date: 22.OCT.2020 16:48:06

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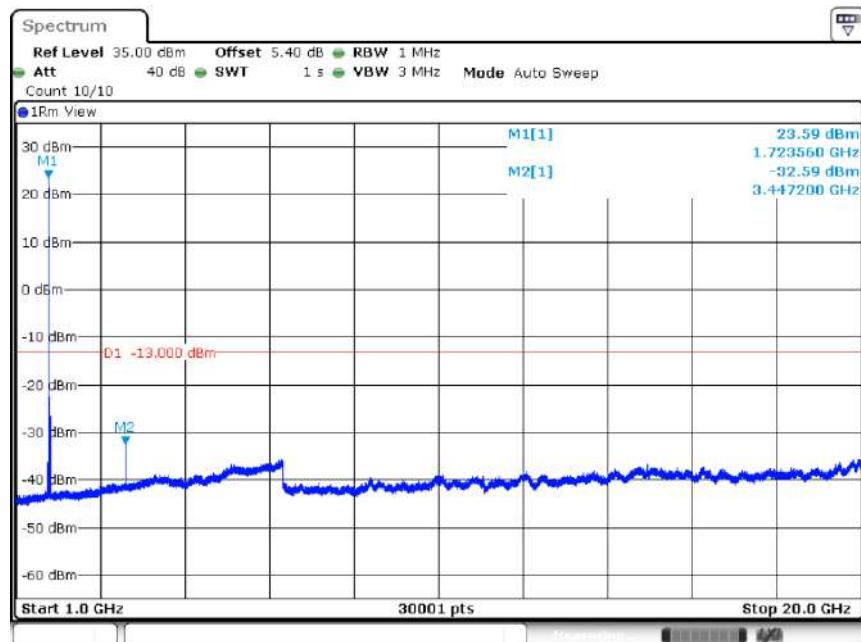
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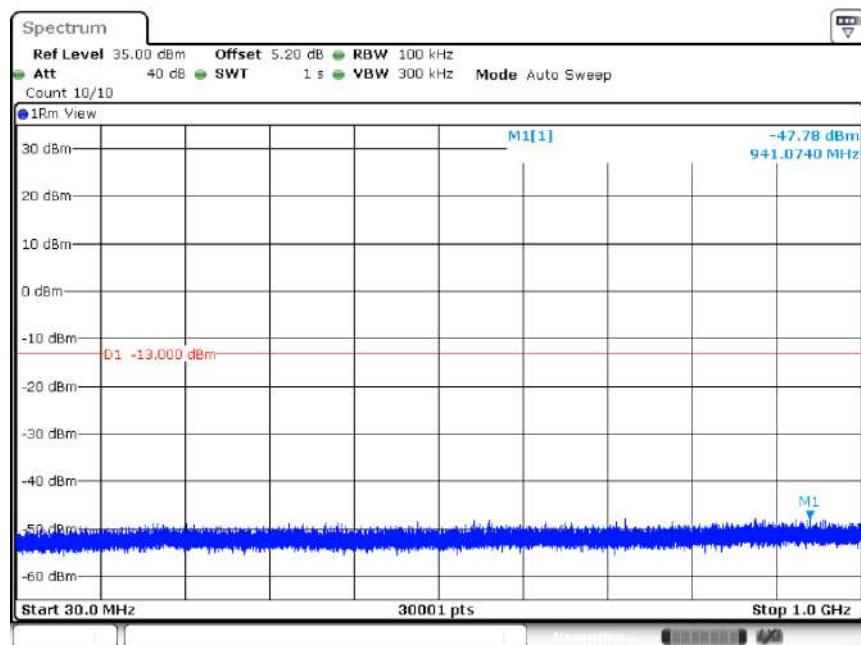
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Band4-20MHz-64QAM-20175-1RB#0-Range2:1000~20000MHz



Date: 22.OCT.2020 16:48:23

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



Date: 22.OCT.2020 16:48:45

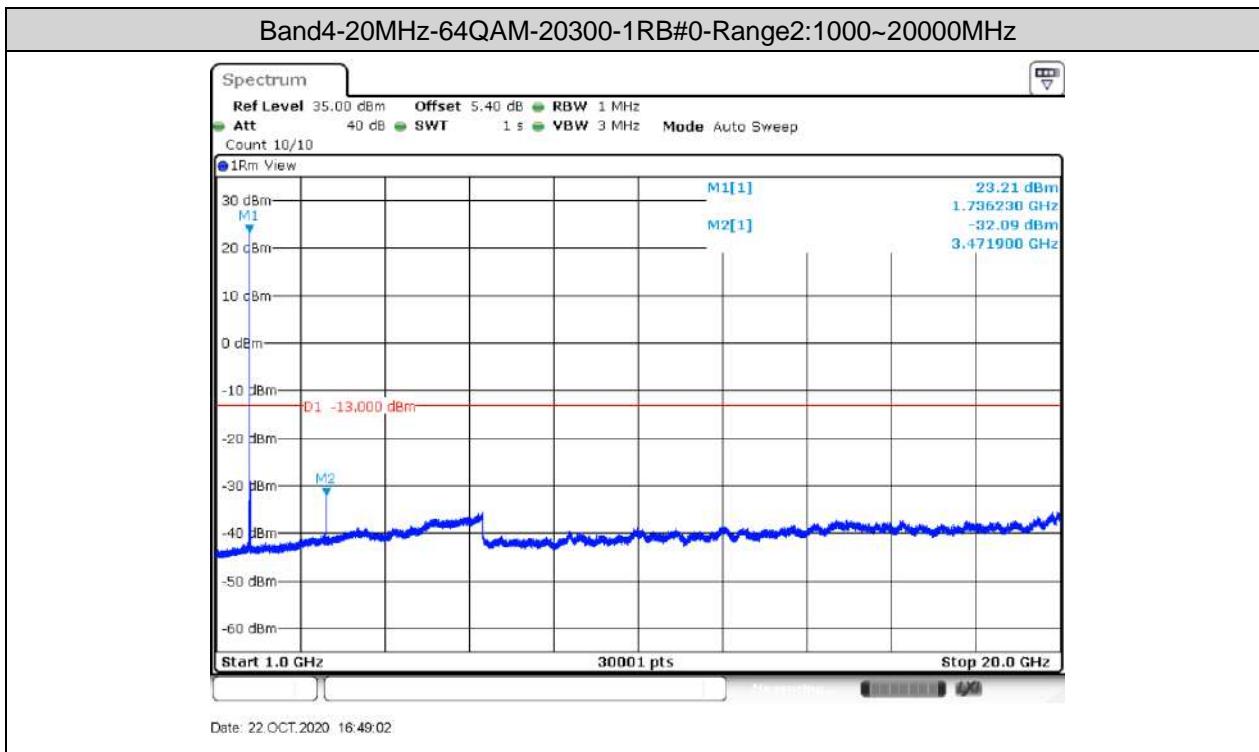
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7 Field Strength of Spurious Radiation

7.1 Test Band = LTE_4_TM1

7.1.1 Test Channel = Low Channel

Suspected Data List								
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	44.8902	-70.61	-63.60	-13.00	50.60	174	167	Horizontal
2	245.2053	-70.29	-67.61	-13.00	54.61	185	262	Horizontal
3	3422.0141	-41.76	-51.74	-13.00	38.74	196	9	Horizontal
4	5133.0711	-52.21	-58.86	-13.00	45.86	321	40	Horizontal
5	6844.1281	-52.70	-55.67	-13.00	42.67	215	9	Horizontal
6	8555.1852	-54.14	-52.69	-13.00	39.69	196	40	Horizontal

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7.2 Test Band = LTE_4_TM1**7.2.1 Test Channel = Low Channel**

Suspected Data List								
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	31.1156	-63.32	-68.57	-13.00	55.57	258	9	Vertical
2	106.9248	-69.65	-63.96	-13.00	50.96	205	167	Vertical
3	520.2140	-70.37	-65.53	-13.00	52.53	178	9	Vertical
4	3422.0141	-39.92	-51.06	-13.00	38.06	185	293	Vertical
5	5133.0711	-52.15	-59.16	-13.00	46.16	196	199	Vertical
6	6844.6282	-52.77	-55.77	-13.00	42.77	321	9	Vertical

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7.3 Test Band = LTE_4_TM1**7.3.1 Test Channel = Middle Channel**

Suspected Data List								
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	44.2112	-69.93	-62.95	-13.00	49.95	185	166	Horizontal
2	228.1324	-69.79	-67.30	-13.00	54.30	174	39	Horizontal
3	3447.0149	-37.52	-47.16	-13.00	34.16	196	8	Horizontal
4	5170.5724	-53.29	-59.99	-13.00	46.99	212	198	Horizontal
5	6894.1298	-52.70	-55.67	-13.00	42.67	187	8	Horizontal
6	8617.6873	-55.23	-53.19	-13.00	40.19	151	39	Horizontal

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7.4 Test Band = LTE_4_TM1**7.4.1 Test Channel = Middle Channel**

Suspected Data List								
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	30.5335	-65.78	-70.46	-13.00	57.46	258	325	Vertical
2	105.5183	-69.58	-64.21	-13.00	51.21	205	166	Vertical
3	3447.0149	-36.94	-47.74	-13.00	34.74	158	293	Vertical
4	5171.0724	-52.68	-59.73	-13.00	46.73	174	198	Vertical
5	6894.6298	-53.76	-56.49	-13.00	43.49	196	8	Vertical
6	17996.4999	-58.26	-40.47	-13.00	27.47	231	8	Vertical

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7.5 Test Band = LTE_4_TM1**7.5.1 Test Channel = High Channel**

Suspected Data List								
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	43.1442	-70.02	-63.10	-13.00	50.10	128	198	Horizontal
2	227.2109	-69.84	-67.51	-13.00	54.51	191	135	Horizontal
3	3472.0157	-38.63	-47.94	-13.00	34.94	158	8	Horizontal
4	5208.5736	-50.84	-57.63	-13.00	44.63	151	230	Horizontal
5	6944.6315	-53.29	-55.77	-13.00	42.77	196	8	Horizontal
6	16381.9461	-58.18	-44.05	-13.00	31.05	321	325	Horizontal

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7.6 Test Band = LTE_4_TM1**7.6.1 Test Channel = High Channel**

Suspected Data List								
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	30.7275	-66.26	-71.13	-13.00	58.13	185	103	Vertical
2	112.4541	-70.96	-64.77	-13.00	51.77	174	325	Vertical
3	340.8520	-70.17	-67.71	-13.00	54.71	196	8	Vertical
4	3472.0157	-37.82	-48.27	-13.00	35.27	123	293	Vertical
5	5208.5736	-46.12	-53.26	-13.00	40.26	151	198	Vertical
6	11148.7716	-58.32	-51.65	-13.00	38.65	155	230	Vertical

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						Verdict
					Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)		
Band4	20MHz	QPSK	20050	100RB#0	VL	NT	0.80	0.000465	±2.5	PASS	
Band4	20MHz	QPSK	20050	100RB#0	VN	NT	3.90	0.002267	±2.5	PASS	
Band4	20MHz	QPSK	20050	100RB#0	VH	NT	1.90	0.001105	±2.5	PASS	
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	0.50	0.000289	±2.5	PASS	
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	2.10	0.001212	±2.5	PASS	
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	1.20	0.000693	±2.5	PASS	
Band4	20MHz	QPSK	20300	100RB#0	VL	NT	-3.80	-0.002178	±2.5	PASS	
Band4	20MHz	QPSK	20300	100RB#0	VN	NT	-3.60	-0.002063	±2.5	PASS	
Band4	20MHz	QPSK	20300	100RB#0	VH	NT	-3.00	-0.001719	±2.5	PASS	
Band4	20MHz	16QAM	20050	100RB#0	VL	NT	0.10	0.000058	±2.5	PASS	
Band4	20MHz	16QAM	20050	100RB#0	VN	NT	2.50	0.001453	±2.5	PASS	
Band4	20MHz	16QAM	20050	100RB#0	VH	NT	1.10	0.000640	±2.5	PASS	
Band4	20MHz	16QAM	20175	100RB#0	VL	NT	1.50	0.000866	±2.5	PASS	
Band4	20MHz	16QAM	20175	100RB#0	VN	NT	-0.70	-0.000404	±2.5	PASS	
Band4	20MHz	16QAM	20175	100RB#0	VH	NT	-1.10	-0.000635	±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	-2.50	-0.001433	±2.5	PASS	
Band4	20MHz	16QAM	20300	100RB#0	VH	NT	-2.10	-0.001203	±2.5	PASS	
Band4	20MHz	64QAM	20050	100RB#0	VL	NT	2.10	0.001221	±2.5	PASS	
Band4	20MHz	64QAM	20050	100RB#0	VN	NT	1.60	0.000930	±2.5	PASS	
Band4	20MHz	64QAM	20050	100RB#0	VH	NT	2.20	0.001279	±2.5	PASS	
Band4	20MHz	64QAM	20175	100RB#0	VL	NT	0.50	0.000289	±2.5	PASS	
Band4	20MHz	64QAM	20175	100RB#0	VN	NT	-0.90	-0.000519	±2.5	PASS	
Band4	20MHz	64QAM	20175	100RB#0	VH	NT	1.40	0.000808	±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	-3.80	-0.002178	±2.5	PASS	
Band4	20MHz	64QAM	20300	100RB#0	VH	NT	-4.20	-0.002407	±2.5	PASS	

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8.2 Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Temperature						Verdict
					Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)		
Band4	20MHz	QPSK	20050	100RB#0	NV	-30	0.10	0.000058	±2.5	PASS	
Band4	20MHz	QPSK	20050	100RB#0	NV	-20	0.90	0.000523	±2.5	PASS	
Band4	20MHz	QPSK	20050	100RB#0	NV	-10	1.80	0.001047	±2.5	PASS	
Band4	20MHz	QPSK	20050	100RB#0	NV	0	2.10	0.001221	±2.5	PASS	
Band4	20MHz	QPSK	20050	100RB#0	NV	10	1.70	0.000988	±2.5	PASS	
Band4	20MHz	QPSK	20050	100RB#0	NV	20	1.30	0.000756	±2.5	PASS	
Band4	20MHz	QPSK	20050	100RB#0	NV	30	1.00	0.000581	±2.5	PASS	
Band4	20MHz	QPSK	20050	100RB#0	NV	40	1.00	0.000581	±2.5	PASS	
Band4	20MHz	QPSK	20050	100RB#0	NV	50	1.00	0.000581	±2.5	PASS	
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	1.60	0.000924	±2.5	PASS	
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	-0.90	-0.000519	±2.5	PASS	
Band4	20MHz	QPSK	20175	100RB#0	NV	-10	0.50	0.000289	±2.5	PASS	
Band4	20MHz	QPSK	20175	100RB#0	NV	0	-0.30	-0.000173	±2.5	PASS	
Band4	20MHz	QPSK	20175	100RB#0	NV	10	0.90	0.000519	±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	1.40	0.000808	±2.5	PASS	
Band4	20MHz	QPSK	20175	100RB#0	NV	40	0.30	0.000173	±2.5	PASS	
Band4	20MHz	QPSK	20175	100RB#0	NV	50	0.50	0.000289	±2.5	PASS	
Band4	20MHz	QPSK	20300	100RB#0	NV	-30	-2.80	-0.001605	±2.5	PASS	
Band4	20MHz	QPSK	20300	100RB#0	NV	-20	-2.00	-0.001146	±2.5	PASS	
Band4	20MHz	QPSK	20300	100RB#0	NV	-10	-2.00	-0.001146	±2.5	PASS	
Band4	20MHz	QPSK	20300	100RB#0	NV	0	-4.40	-0.002521	±2.5	PASS	
Band4	20MHz	QPSK	20300	100RB#0	NV	10	-3.20	-0.001834	±2.5	PASS	
Band4	20MHz	QPSK	20300	100RB#0	NV	20	-2.00	-0.001146	±2.5	PASS	
Band4	20MHz	QPSK	20300	100RB#0	NV	30	-2.10	-0.001203	±2.5	PASS	
Band4	20MHz	QPSK	20300	100RB#0	NV	40	-4.00	-0.002292	±2.5	PASS	
Band4	20MHz	QPSK	20300	100RB#0	NV	50	-1.80	-0.001032	±2.5	PASS	
Band4	20MHz	16QAM	20050	100RB#0	NV	-30	2.20	0.001279	±2.5	PASS	
Band4	20MHz	16QAM	20050	100RB#0	NV	-20	1.60	0.000930	±2.5	PASS	
Band4	20MHz	16QAM	20050	100RB#0	NV	-10	2.10	0.001221	±2.5	PASS	
Band4	20MHz	16QAM	20050	100RB#0	NV	0	0.80	0.000465	±2.5	PASS	
Band4	20MHz	16QAM	20050	100RB#0	NV	10	2.40	0.001395	±2.5	PASS	
Band4	20MHz	16QAM	20050	100RB#0	NV	20	0.50	0.000291	±2.5	PASS	

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Band4	20MHz	16QAM	20050	100RB#0	NV	30	1.60	0.000930	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	40	2.70	0.001570	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	50	2.60	0.001512	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-30	-1.20	-0.000693	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-20	1.10	0.000635	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-10	-0.70	-0.000404	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	0	0.30	0.000173	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	10	0.90	0.000519	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	20	1.90	0.001097	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	30	1.20	0.000693	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	40	1.60	0.000924	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	50	0.20	0.000115	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-30	-3.00	-0.001719	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-20	-4.30	-0.002464	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-10	-3.00	-0.001719	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	0	-2.40	-0.001375	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	10	-3.20	-0.001834	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	20	-3.40	-0.001948	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	30	-2.60	-0.001490	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	40	-2.30	-0.001318	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	50	-3.70	-0.002120	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	-30	2.10	0.001221	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	-20	1.10	0.000640	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	-10	1.70	0.000988	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	0	0.40	0.000233	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	10	0.70	0.000407	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	20	1.50	0.000872	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	30	1.20	0.000698	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	40	2.60	0.001512	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	50	2.10	0.001221	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	-30	0.20	0.000115	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	-20	-1.50	-0.000866	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	-10	0.50	0.000289	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	0	0.20	0.000115	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	10	0.90	0.000519	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	20	0.00	0.000000	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	30	1.30	0.000750	±2.5	PASS

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Band4	20MHz	64QAM	20175	100RB#0	NV	40	1.70	0.000981	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	50	-0.40	-0.000231	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	-30	-3.10	-0.001777	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	-20	-2.90	-0.001662	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	-10	-2.60	-0.001490	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	0	-2.10	-0.001203	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	10	-4.20	-0.002407	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	20	-2.30	-0.001318	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	30	-3.70	-0.002120	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	40	-3.90	-0.002235	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	50	-2.20	-0.001261	±2.5	PASS

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