



Appendix B

E-UTRA Band 5



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CONTENT

1	EFFECTIVE (ISOTROPIC) RADIATED POWER	3
1.1.	TEST RESULT.....	3
2.	PEAK-TO-AVERAGE RATIO (CCDF)	11
2.1.	TEST RESULT.....	11
2.2.	TEST PLOTS.....	11
3.	MODULATION CHARACTERISTICS	16
3.1.	TEST MODE = LTE /TM1 10MHZ.....	16
3.1.1.	TEST CHANNEL = MCH.....	16
3.2.	TEST MODE = LTE /TM2 10MHZ.....	17
3.2.1.	TEST CHANNEL = MCH.....	17
3.3.	TEST MODE = LTE /TM3 10MHZ.....	18
3.3.1.	TEST CHANNEL = MCH.....	18
4.	26DB BANDWIDTH AND OCCUPIED BANDWIDTH	19
4.1.	TEST RESULT.....	19
4.2.	TEST PLOTS.....	20
5.	BAND EDGE COMPLIANCE	39
5.1.	TEST RESULT.....	39
5.2.	TEST PLOTS.....	40
6.	SPURIOUS EMISSION AT ANTENNA TERMINAL	65
6.1.	TEST PLOTS.....	65
7.	FIELD STRENGTH OF SPURIOUS RADIATION	75
7.1.	TEST MODE =LTE/TM1 10MHZ.....	75
7.1.1.	TEST CHANNEL = LCH.....	75
7.1.2.	TEST CHANNEL = MCH.....	75
7.1.3.	TEST CHANNEL = HCH.....	76
8.	FREQUENCY STABILITY	77
8.1.	FREQUENCY VS VOLTAGE.....	77
8.2.	FREQUENCY VS TEMPERATURE.....	78



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1 Effective (Isotropic) Radiated Power

1.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	22.39	15.34	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	22.46	15.41	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	22.40	15.35	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	22.46	15.41	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	22.46	15.41	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	22.41	15.36	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	21.43	14.38	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	22.48	15.43	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	22.42	15.37	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	22.35	15.30	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	22.41	15.36	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	22.42	15.37	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	22.39	15.34	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	21.35	14.30	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	22.54	15.49	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	22.50	15.45	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	22.51	15.46	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	22.52	15.47	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	22.57	15.52	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	22.55	15.50	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	21.50	14.45	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	20.56	13.51	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#2	20.61	13.56	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#5	20.64	13.59	38.45	PASS
Band5	1.4MHz	64QAM	20407	3RB#0	20.27	13.22	38.45	PASS
Band5	1.4MHz	64QAM	20407	3RB#1	20.29	13.24	38.45	PASS
Band5	1.4MHz	64QAM	20407	3RB#3	20.35	13.30	38.45	PASS



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Band5	1.4MHz	64QAM	20407	6RB#0	19.38	12.33	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	20.55	13.50	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#2	20.65	13.60	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#5	20.58	13.53	38.45	PASS
Band5	1.4MHz	64QAM	20525	3RB#0	20.25	13.20	38.45	PASS
Band5	1.4MHz	64QAM	20525	3RB#1	20.25	13.20	38.45	PASS
Band5	1.4MHz	64QAM	20525	3RB#3	20.24	13.19	38.45	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	19.32	12.27	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	20.58	13.53	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#2	20.74	13.69	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#5	20.68	13.63	38.45	PASS
Band5	1.4MHz	64QAM	20643	3RB#0	20.27	13.22	38.45	PASS
Band5	1.4MHz	64QAM	20643	3RB#1	20.36	13.31	38.45	PASS
Band5	1.4MHz	64QAM	20643	3RB#3	20.37	13.32	38.45	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	19.48	12.43	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	21.73	14.68	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	21.78	14.73	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	21.76	14.71	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	21.43	14.38	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	21.47	14.42	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	21.46	14.41	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	20.52	13.47	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	21.71	14.66	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	21.75	14.70	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	21.68	14.63	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	21.44	14.39	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	21.44	14.39	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	21.41	14.36	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	20.43	13.38	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	21.74	14.69	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	21.87	14.82	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	21.84	14.79	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	21.47	14.42	38.45	PASS



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Band5	1.4MHz	16QAM	20643	3RB#1	21.55	14.50	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	21.48	14.43	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	20.62	13.57	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	22.47	15.42	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	22.54	15.49	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	22.42	15.37	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#0	21.49	14.44	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#4	21.52	14.47	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#7	21.48	14.43	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	21.49	14.44	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	22.56	15.51	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	22.53	15.48	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	22.47	15.42	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#0	21.42	14.37	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#4	21.45	14.40	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#7	21.41	14.36	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	21.44	14.39	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	22.54	15.49	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	22.59	15.54	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	22.61	15.56	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#0	21.54	14.49	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#4	21.59	14.54	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#7	21.55	14.50	38.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	21.55	14.50	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#0	20.59	13.54	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#8	20.67	13.62	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#14	20.57	13.52	38.45	PASS
Band5	3MHz	64QAM	20415	8RB#0	20.33	13.28	38.45	PASS
Band5	3MHz	64QAM	20415	8RB#4	20.29	13.24	38.45	PASS
Band5	3MHz	64QAM	20415	8RB#7	20.31	13.26	38.45	PASS
Band5	3MHz	64QAM	20415	15RB#0	19.33	12.28	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#0	20.57	13.52	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#8	20.65	13.60	38.45	PASS



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Band5	3MHz	64QAM	20525	1RB#14	20.52	13.47	38.45	PASS
Band5	3MHz	64QAM	20525	8RB#0	20.28	13.23	38.45	PASS
Band5	3MHz	64QAM	20525	8RB#4	20.25	13.20	38.45	PASS
Band5	3MHz	64QAM	20525	8RB#7	20.23	13.18	38.45	PASS
Band5	3MHz	64QAM	20525	15RB#0	19.27	12.22	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#0	20.54	13.49	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#8	20.75	13.70	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#14	20.74	13.69	38.45	PASS
Band5	3MHz	64QAM	20635	8RB#0	20.28	13.23	38.45	PASS
Band5	3MHz	64QAM	20635	8RB#4	20.42	13.37	38.45	PASS
Band5	3MHz	64QAM	20635	8RB#7	20.31	13.26	38.45	PASS
Band5	3MHz	64QAM	20635	15RB#0	19.52	12.47	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	21.82	14.77	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	21.82	14.77	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	21.77	14.72	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#0	20.60	13.55	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#4	20.59	13.54	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#7	20.59	13.54	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	20.54	13.49	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	21.66	14.61	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	21.80	14.75	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	21.80	14.75	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#0	20.56	13.51	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#4	20.55	13.50	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#7	20.48	13.43	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	20.48	13.43	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	21.79	14.74	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	21.93	14.88	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	21.94	14.89	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#0	20.60	13.55	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#4	20.65	13.60	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#7	20.68	13.63	38.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	20.56	13.51	38.45	PASS



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Band5	5MHz	QPSK	20425	1RB#0	22.46	15.41	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	22.50	15.45	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	22.46	15.41	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#0	21.49	14.44	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#6	21.53	14.48	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#13	21.47	14.42	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	21.49	14.44	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	22.57	15.52	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	22.46	15.41	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	22.44	15.39	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#0	21.48	14.43	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#6	21.50	14.45	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#13	21.42	14.37	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	21.44	14.39	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	22.57	15.52	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	22.54	15.49	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	22.58	15.53	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#0	21.57	14.52	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#6	21.57	14.52	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#13	21.57	14.52	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	21.57	14.52	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#0	20.62	13.57	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#12	20.68	13.63	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#24	20.61	13.56	38.45	PASS
Band5	5MHz	64QAM	20425	12RB#0	20.33	13.28	38.45	PASS
Band5	5MHz	64QAM	20425	12RB#6	20.34	13.29	38.45	PASS
Band5	5MHz	64QAM	20425	12RB#13	20.33	13.28	38.45	PASS
Band5	5MHz	64QAM	20425	25RB#0	19.41	12.36	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#0	20.51	13.46	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#12	20.56	13.51	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#24	20.57	13.52	38.45	PASS
Band5	5MHz	64QAM	20525	12RB#0	20.30	13.25	38.45	PASS
Band5	5MHz	64QAM	20525	12RB#6	20.33	13.28	38.45	PASS



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Band5	5MHz	64QAM	20525	12RB#13	20.21	13.16	38.45	PASS
Band5	5MHz	64QAM	20525	25RB#0	19.31	12.26	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#0	20.54	13.49	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#12	20.75	13.70	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#24	20.67	13.62	38.45	PASS
Band5	5MHz	64QAM	20625	12RB#0	20.33	13.28	38.45	PASS
Band5	5MHz	64QAM	20625	12RB#6	20.35	13.30	38.45	PASS
Band5	5MHz	64QAM	20625	12RB#13	20.33	13.28	38.45	PASS
Band5	5MHz	64QAM	20625	25RB#0	19.42	12.37	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	21.83	14.78	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	21.85	14.80	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	21.79	14.74	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#0	20.57	13.52	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#6	20.55	13.50	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#13	20.53	13.48	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	20.54	13.49	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	21.75	14.70	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	21.77	14.72	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	21.79	14.74	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#0	20.52	13.47	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#6	20.52	13.47	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#13	20.45	13.40	38.45	PASS
Band5	5MHz	16QAM	20525	25RB#0	20.49	13.44	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	21.84	14.79	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	21.86	14.81	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	21.90	14.85	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#0	20.59	13.54	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#6	20.60	13.55	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#13	20.60	13.55	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	20.58	13.53	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	22.68	15.63	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	22.43	15.38	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	22.91	15.86	38.45	PASS



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Band5	10MHz	QPSK	20450	25RB#0	21.49	14.44	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#12	21.51	14.46	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#25	21.56	14.51	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	21.51	14.46	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	22.59	15.54	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	22.39	15.34	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	22.94	15.89	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#0	21.48	14.43	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#12	21.44	14.39	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#25	21.65	14.60	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	21.64	14.59	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	22.69	15.64	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	22.53	15.48	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	22.93	15.88	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#0	21.52	14.47	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#12	21.59	14.54	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#25	21.64	14.59	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	21.63	14.58	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#0	20.57	13.52	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#24	20.63	13.58	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#49	20.58	13.53	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#0	20.26	13.21	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#12	20.30	13.25	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#25	20.30	13.25	38.45	PASS
Band5	10MHz	64QAM	20450	50RB#0	19.35	12.30	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#0	20.55	13.50	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#24	20.55	13.50	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#49	20.50	13.45	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#0	20.28	13.23	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#12	20.25	13.20	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#25	20.22	13.17	38.45	PASS
Band5	10MHz	64QAM	20525	50RB#0	19.26	12.21	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#0	20.55	13.50	38.45	PASS



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Band5	10MHz	64QAM	20600	1RB#24	20.72	13.67	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#49	20.68	13.63	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#0	20.32	13.27	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#12	20.40	13.35	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#25	20.29	13.24	38.45	PASS
Band5	10MHz	64QAM	20600	50RB#0	19.42	12.37	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	21.88	14.83	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	21.71	14.66	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.15	15.10	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#0	20.51	13.46	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#12	20.51	13.46	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#25	20.55	13.50	38.45	PASS
Band5	10MHz	16QAM	20450	50RB#0	20.52	13.47	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	21.83	14.78	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	21.76	14.71	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.05	15.00	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#0	20.48	13.43	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#12	20.48	13.43	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#25	20.57	13.52	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	20.49	13.44	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	21.95	14.90	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	21.84	14.79	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.07	15.02	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#0	20.52	13.47	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#12	20.55	13.50	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#25	20.65	13.60	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	20.69	13.64	38.45	PASS

Remark:

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

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

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



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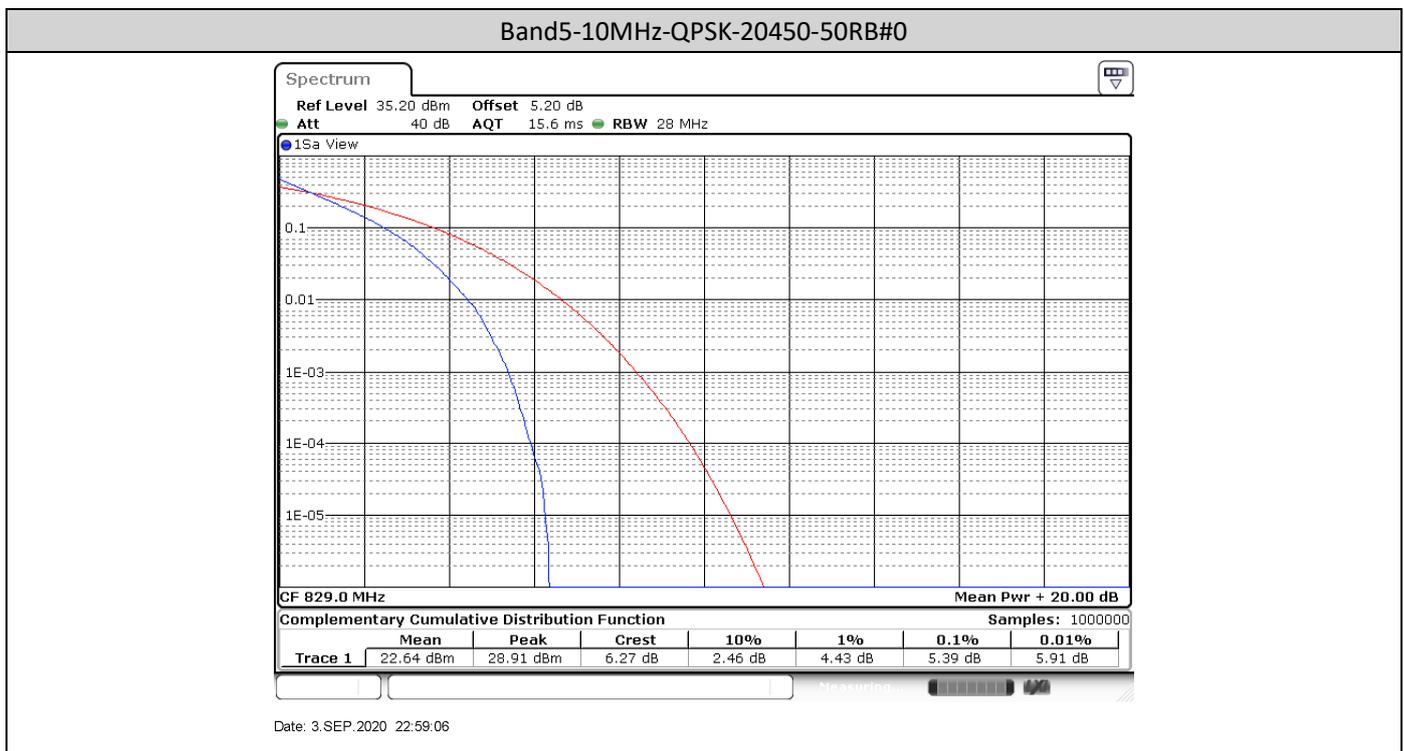


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	10MHz	QPSK	20450	50RB#0	5.39	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.74	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.48	13	PASS
Band5	10MHz	64QAM	20450	50RB#0	6.61	13	PASS
Band5	10MHz	64QAM	20525	50RB#0	6.75	13	PASS
Band5	10MHz	64QAM	20600	50RB#0	6.64	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.20	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.41	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.23	13	PASS

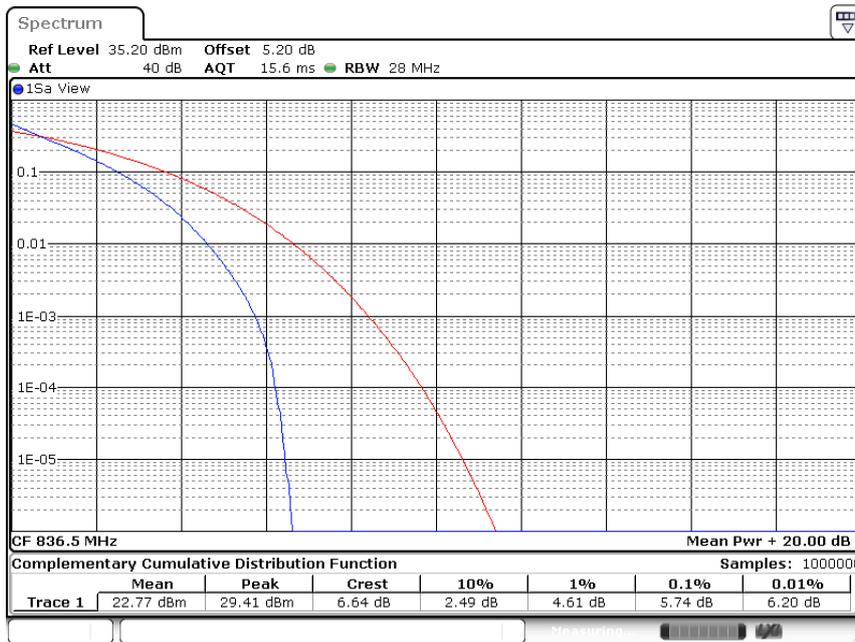
2.2. Test Plots



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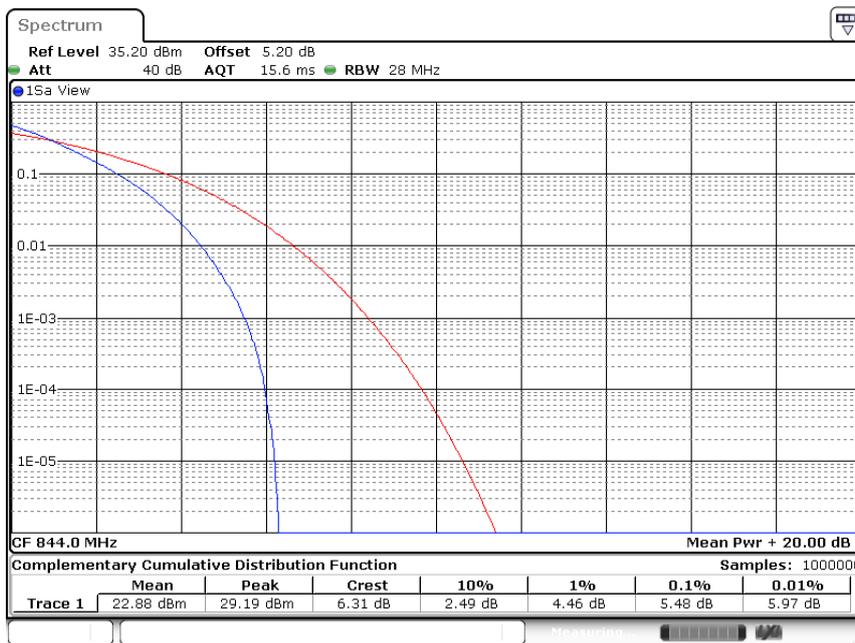
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Band5-10MHz-QPSK-20525-50RB#0



Date: 3.SEP.2020 22:59:29

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



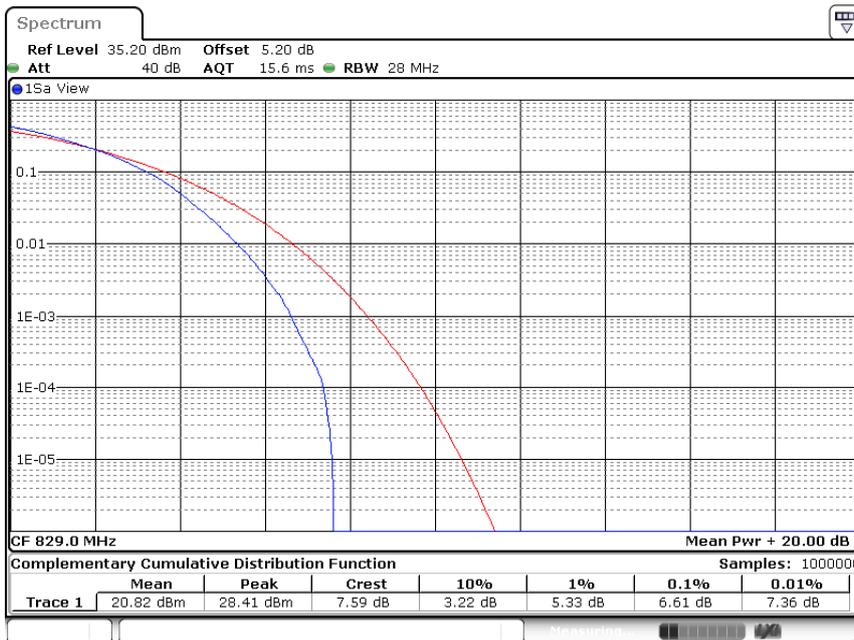
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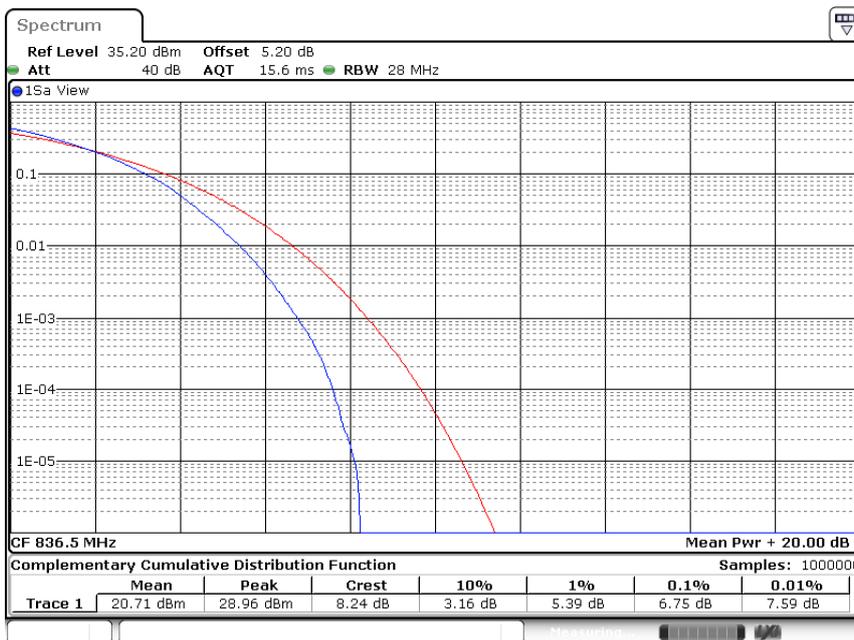
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Band5-10MHz-64QAM-20450-50RB#0



Date: 4.SEP.2020 00:22:37

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

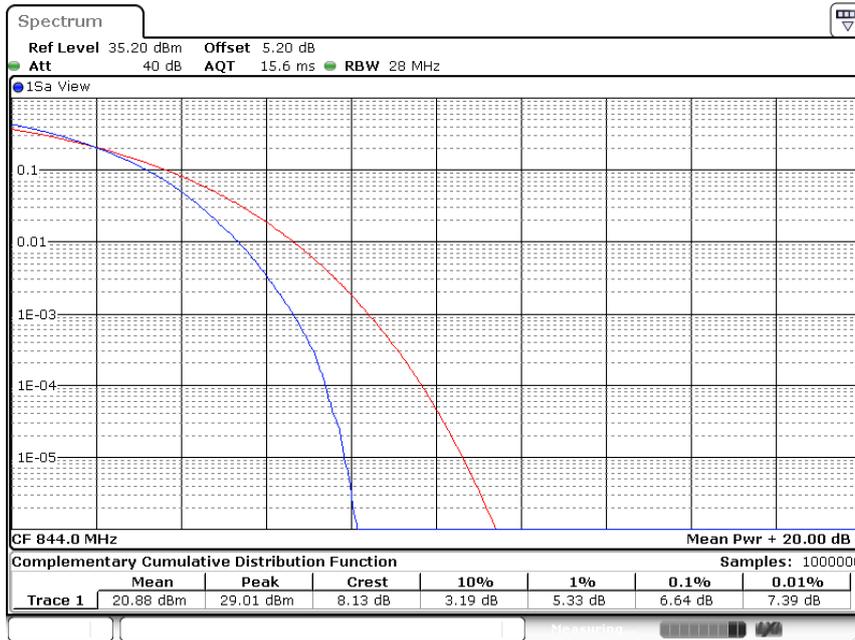


Date: 4.SEP.2020 00:22:49



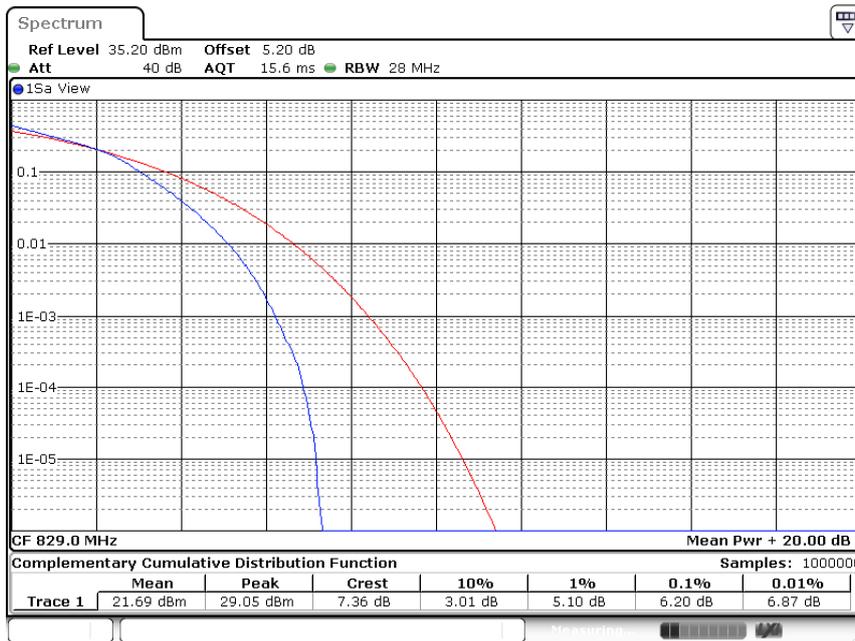
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Band5-10MHz-64QAM-20600-50RB#0



Date: 4.SEP.2020 00:23:00

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



Date: 3.SEP.2020 22:59:18



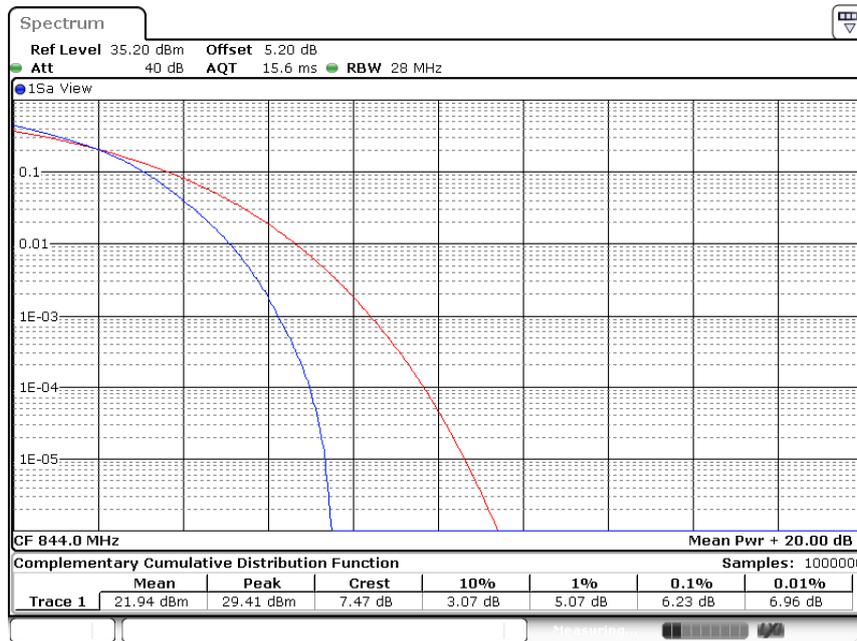
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Band5-10MHz-16QAM-20525-50RB#0



Date: 3.SEP.2020 22:59:40

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



Date: 3.SEP.2020 23:00:03



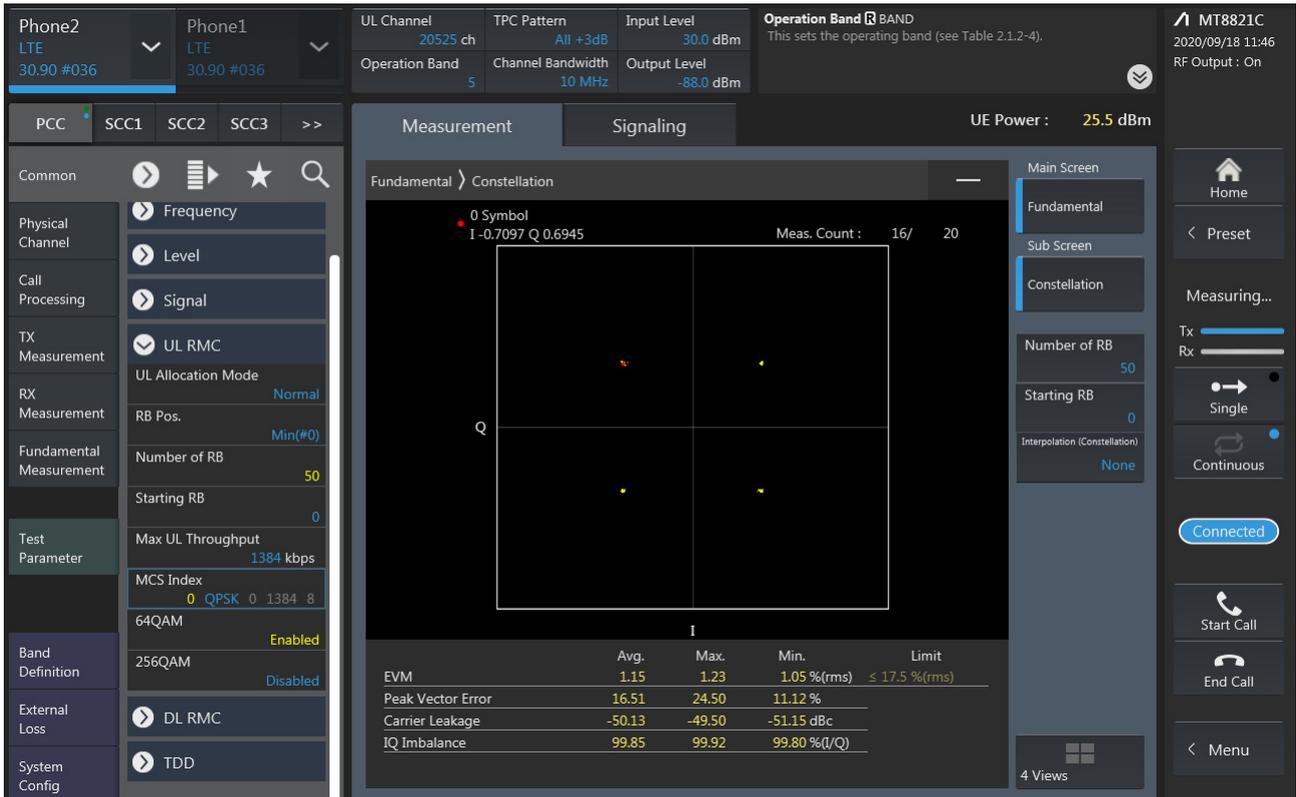
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3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 10MHz

3.1.1. Test Channel = MCH



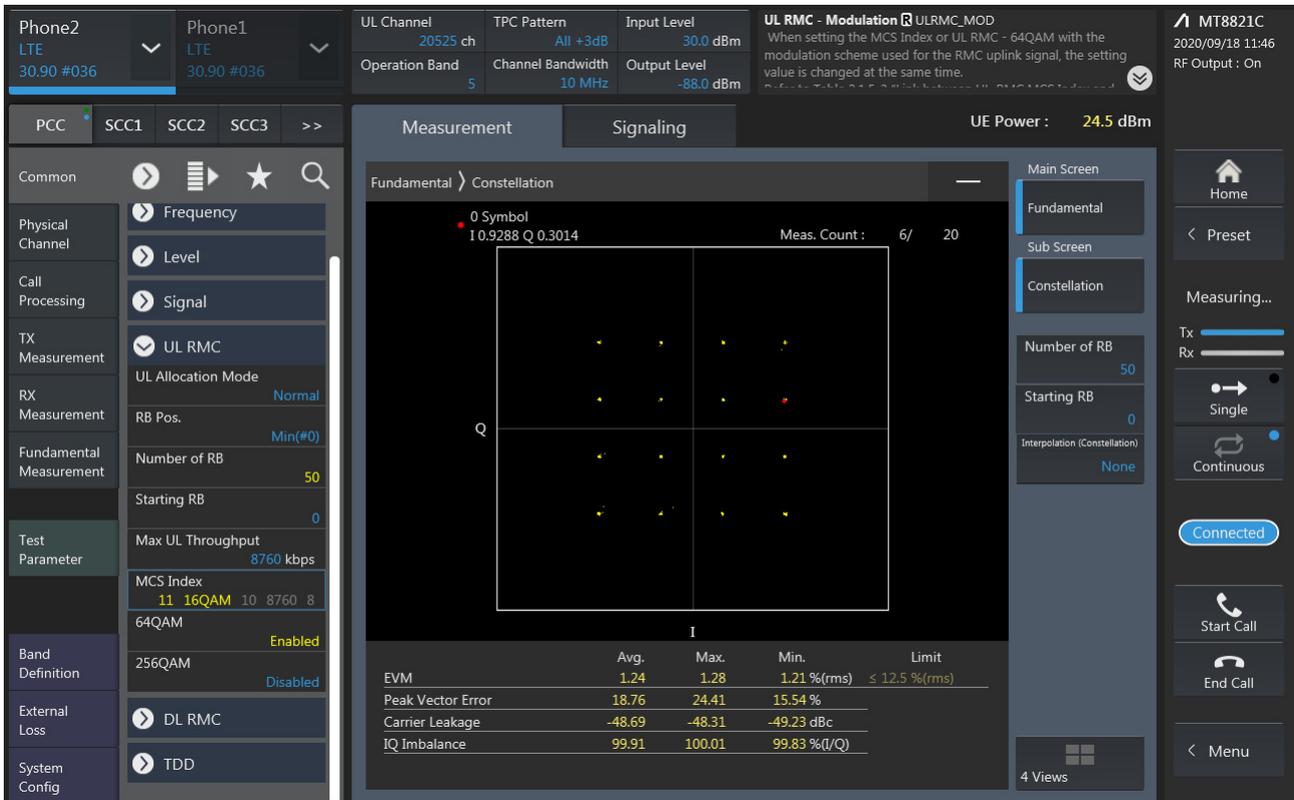
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3.2. Test Mode = LTE /TM2 10MHz

3.2.1. Test Channel = MCH

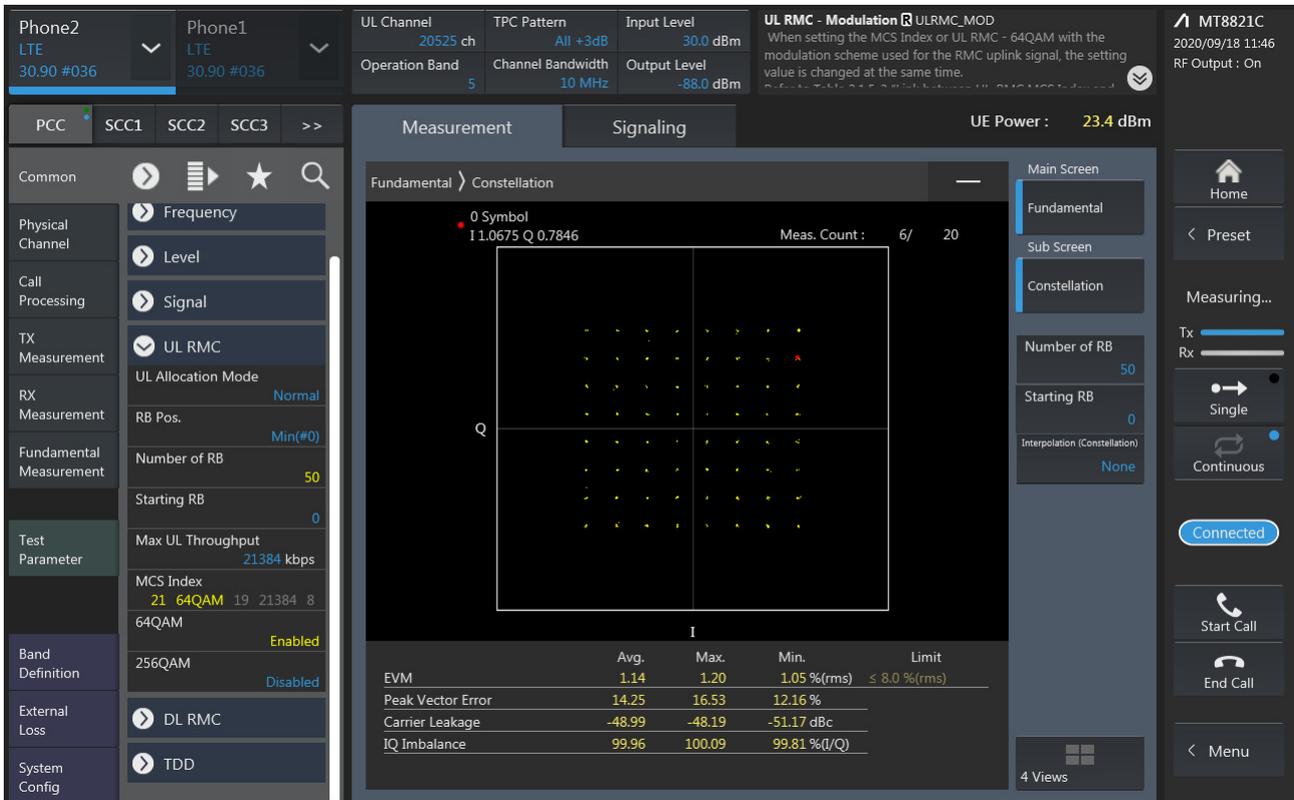


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3.3. Test Mode = LTE /TM3 10MHz

3.3.1. Test Channel = MCH



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4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.091	1.290	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.094	1.290	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.097	1.305	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	1.1	1.302	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	1.097	1.296	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	1.097	1.296	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.091	1.281	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.091	1.284	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.091	1.281	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.697	2.994	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.697	2.982	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.703	3.006	PASS
Band5	3MHz	64QAM	20415	15RB#0	2.691	2.976	PASS
Band5	3MHz	64QAM	20525	15RB#0	2.691	2.982	PASS
Band5	3MHz	64QAM	20635	15RB#0	2.691	2.976	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.685	2.970	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.691	2.982	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.691	2.976	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.476	4.910	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.476	4.950	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.486	4.920	PASS
Band5	5MHz	64QAM	20425	25RB#0	4.476	4.910	PASS
Band5	5MHz	64QAM	20525	25RB#0	4.476	4.920	PASS
Band5	5MHz	64QAM	20625	25RB#0	4.476	4.910	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.486	4.950	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.496	4.950	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.496	4.930	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.911	9.740	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.931	9.800	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.931	9.740	PASS
Band5	10MHz	64QAM	20450	50RB#0	8.931	9.680	PASS



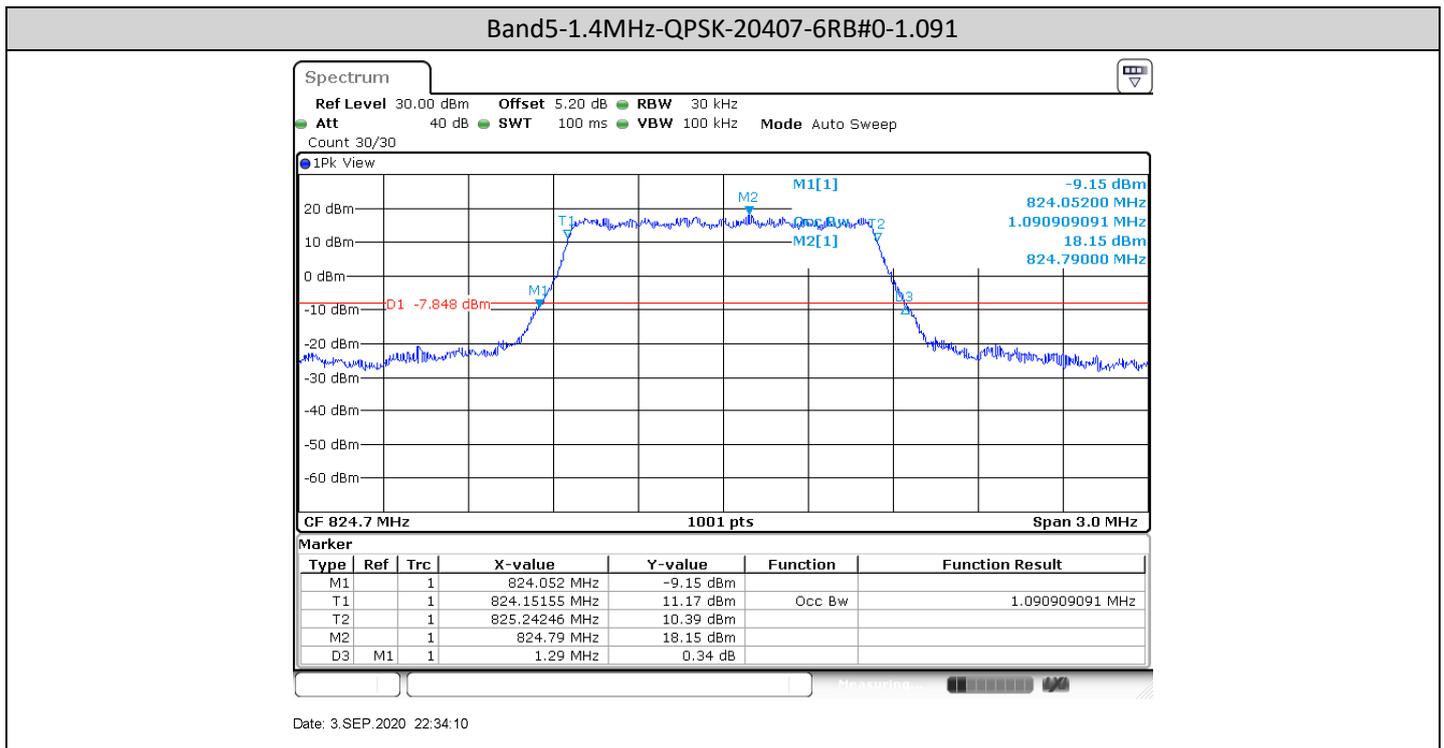
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Band5	10MHz	64QAM	20525	50RB#0	8.931	9.680	PASS
Band5	10MHz	64QAM	20600	50RB#0	8.911	9.660	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.911	9.740	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.931	9.800	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.911	9.740	PASS

4.2. Test Plots

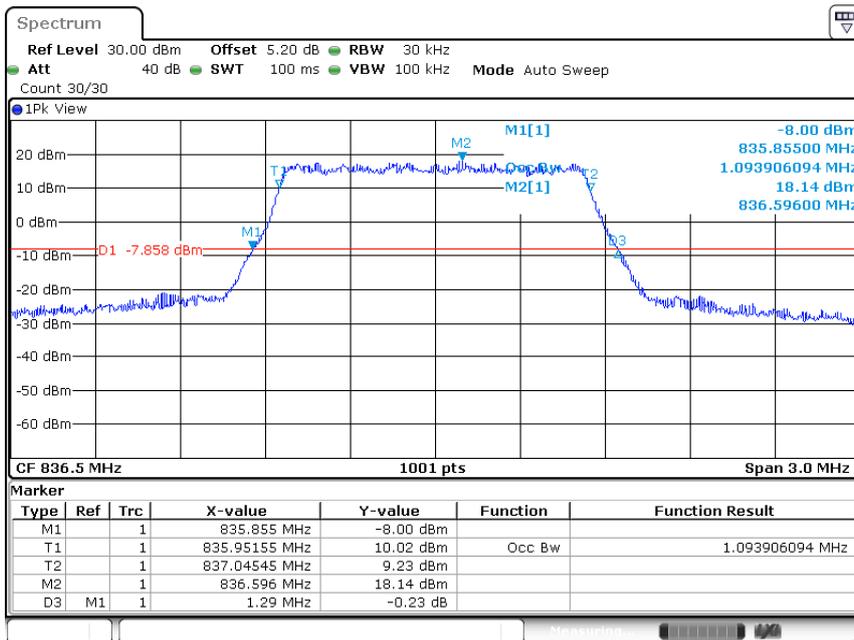


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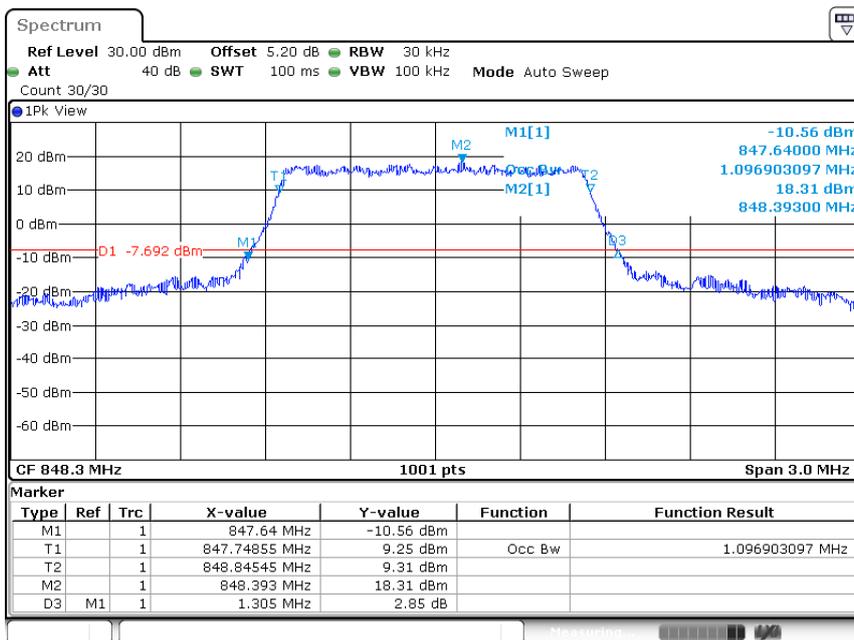
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Band5-1.4MHz-QPSK-20525-6RB#0-1.094



Date: 3.SEP.2020 22:34:36

Band5-1.4MHz-QPSK-20643-6RB#0-1.097

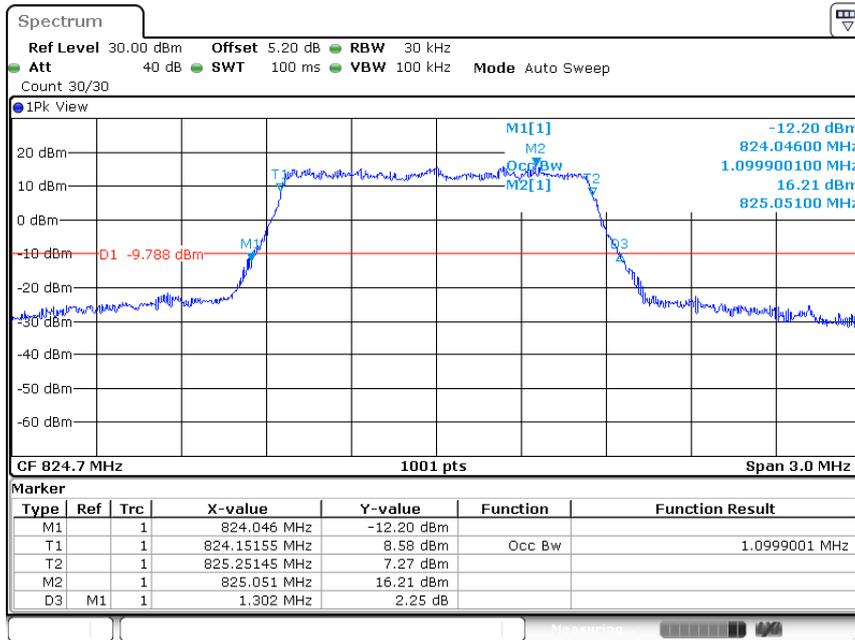


Date: 3.SEP.2020 22:35:02



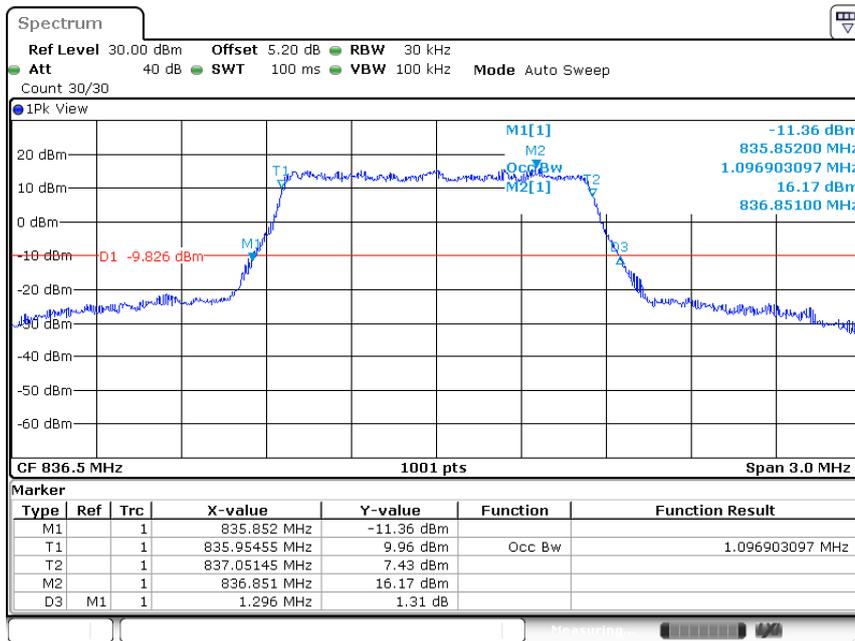
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Band5-1.4MHz-64QAM-20407-6RB#0-1.1



Date: 4.SEP.2020 00:09:36

Band5-1.4MHz-64QAM-20525-6RB#0-1.097

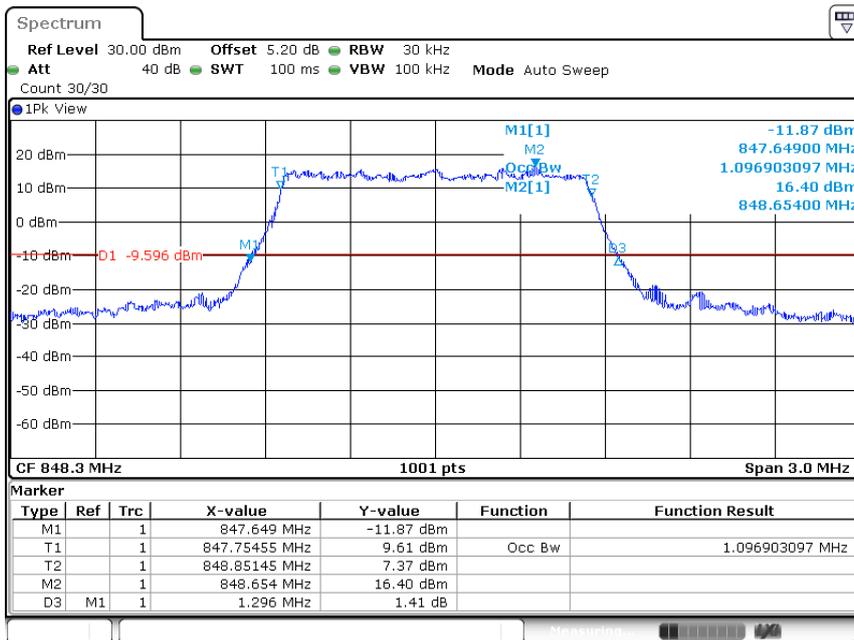


Date: 4.SEP.2020 00:09:49



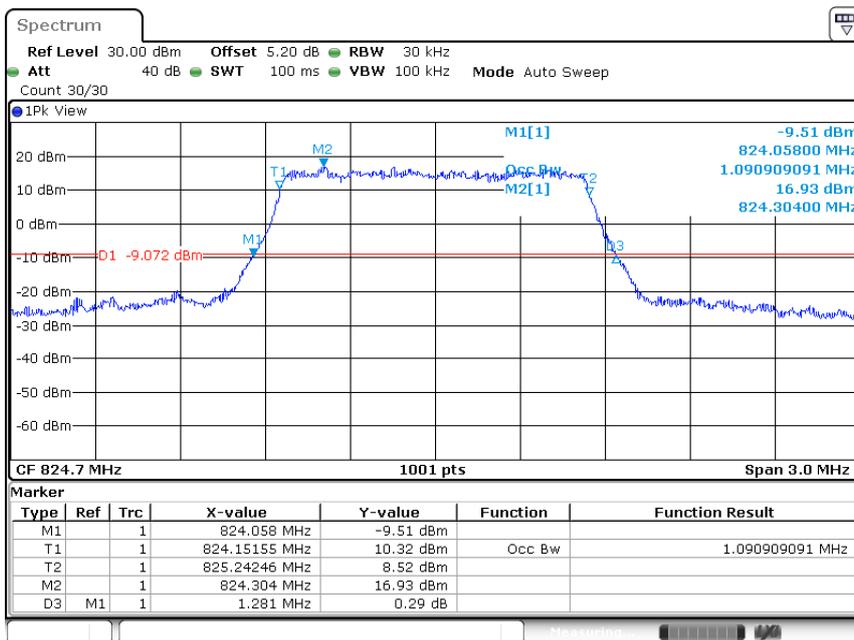
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Band5-1.4MHz-64QAM-20643-6RB#0-1.097



Date: 4.SEP.2020 00:10:02

Band5-1.4MHz-16QAM-20407-6RB#0-1.091

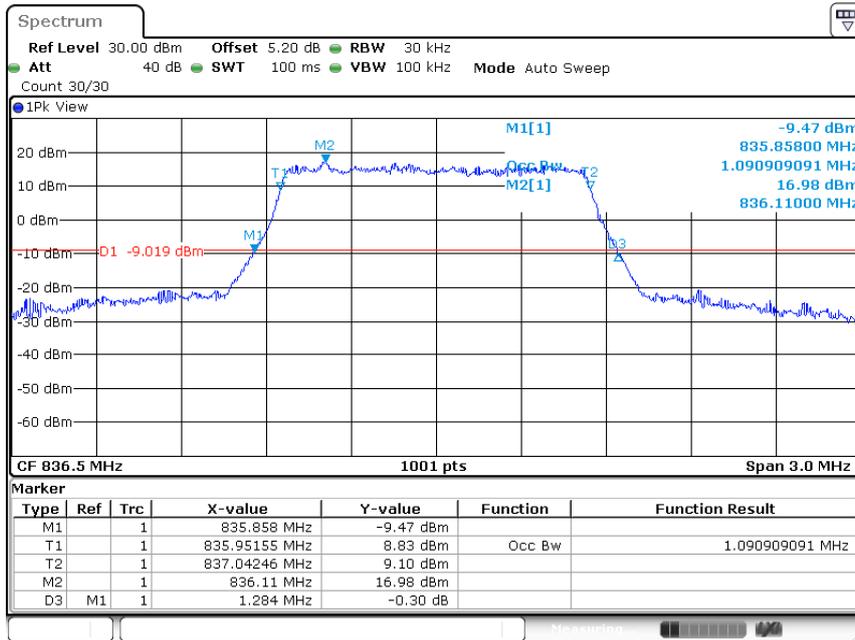


Date: 3.SEP.2020 22:34:23



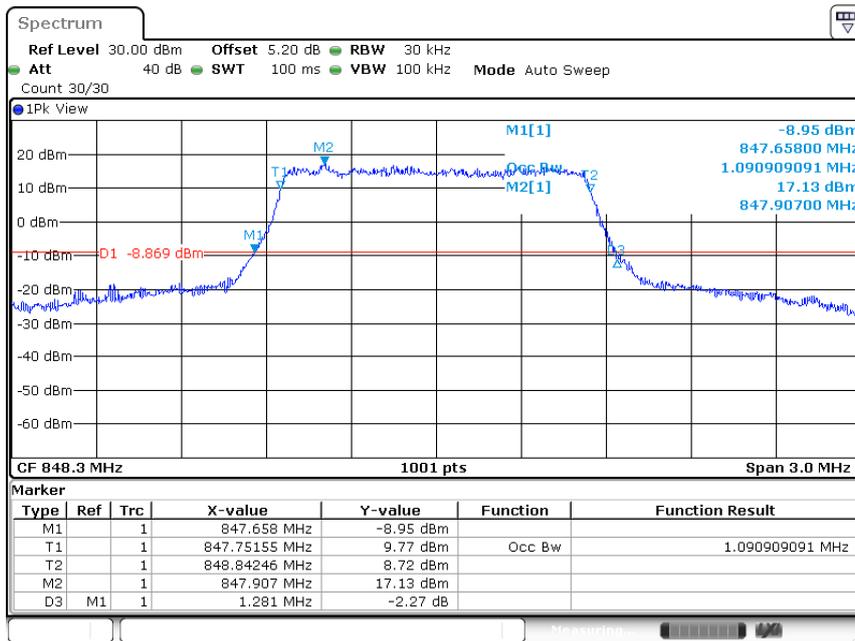
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Band5-1.4MHz-16QAM-20525-6RB#0-1.091



Date: 3.SEP.2020 22:34:49

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

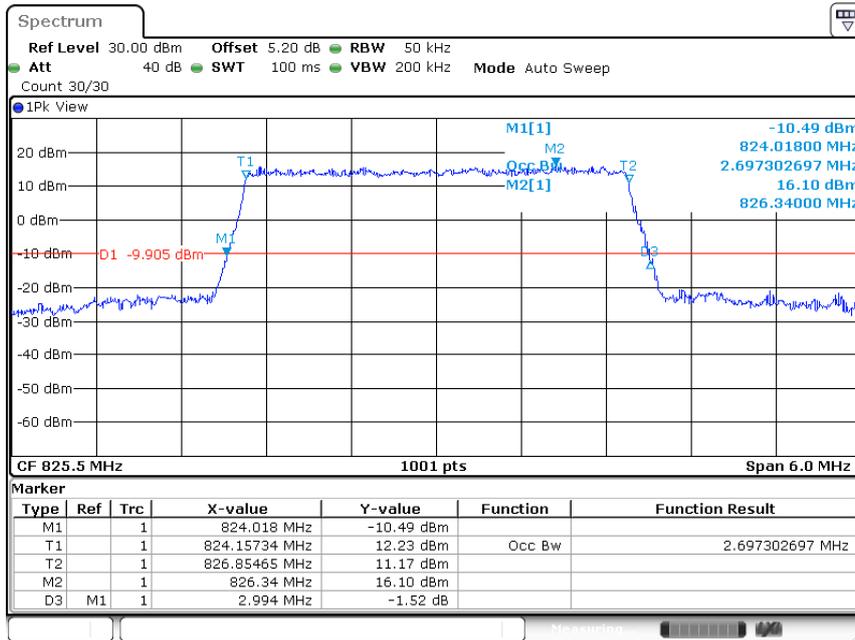


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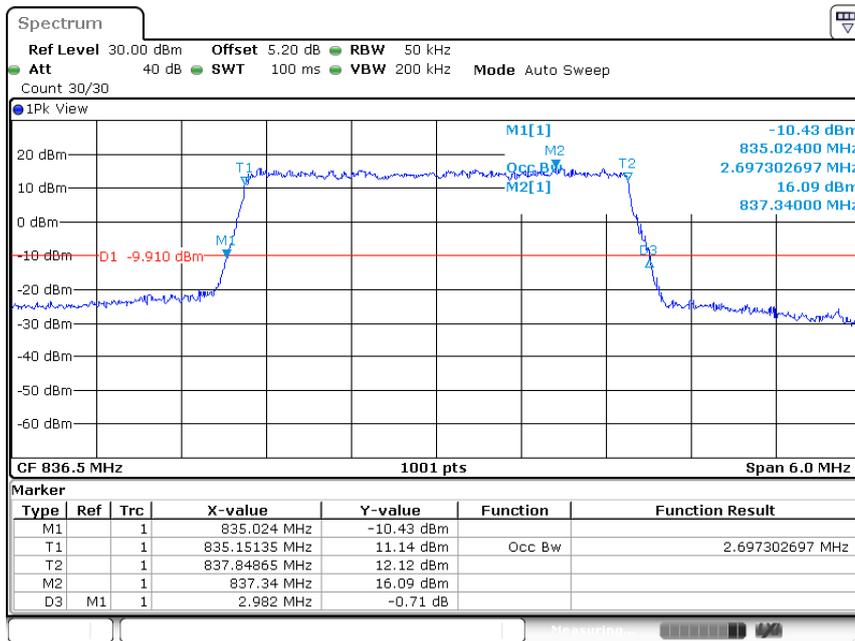
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Band5-3MHz-QPSK-20415-15RB#0-2.697



Date: 3.SEP.2020 22:35:33

Band5-3MHz-QPSK-20525-15RB#0-2.697

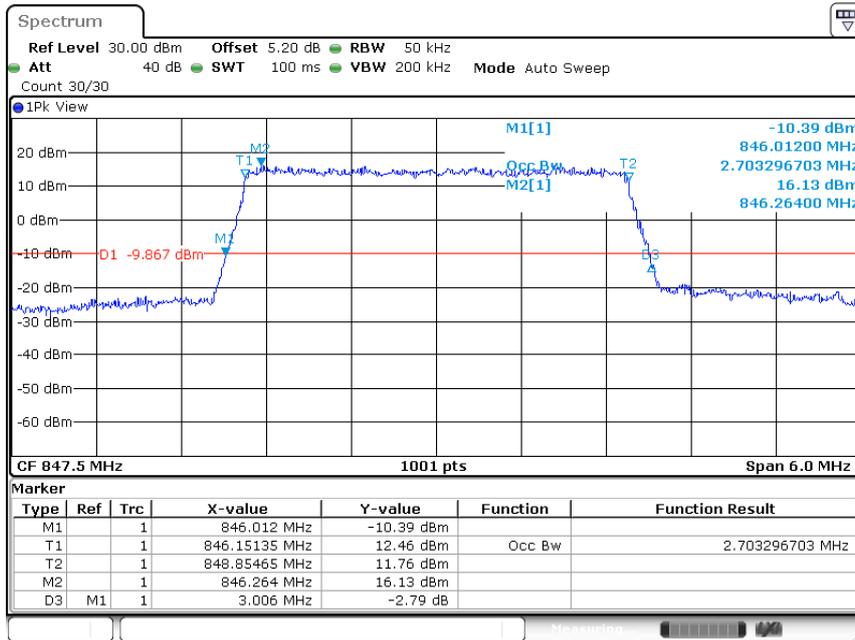


Date: 3.SEP.2020 22:35:59



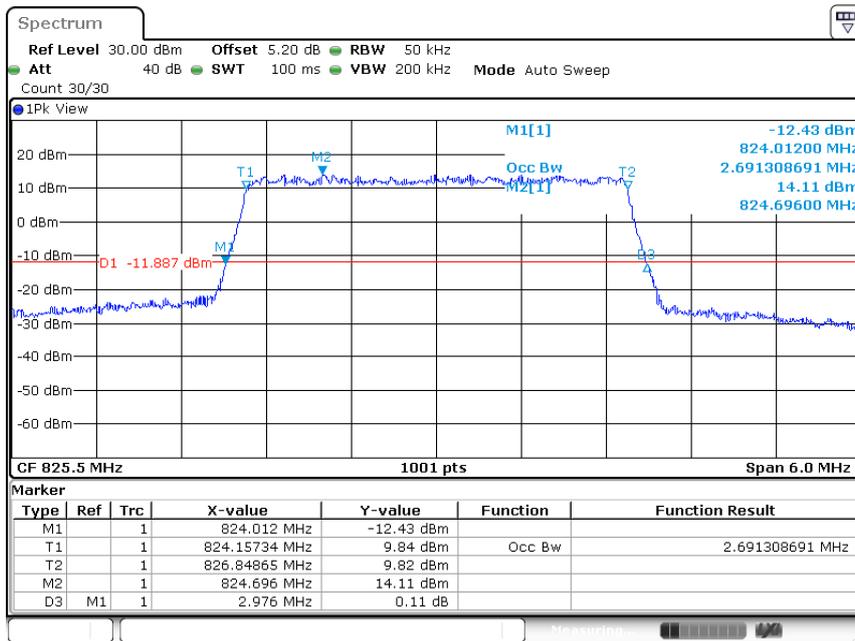
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Band5-3MHz-QPSK-20635-15RB#0-2.703



Date: 3.SEP.2020 22:36:25

Band5-3MHz-64QAM-20415-15RB#0-2.691

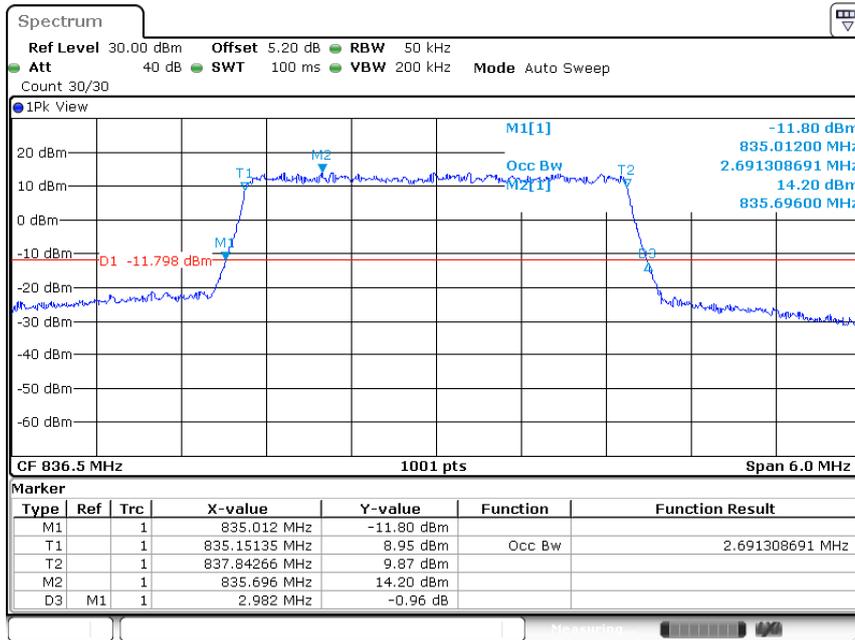


Date: 4.SEP.2020 00:10:20



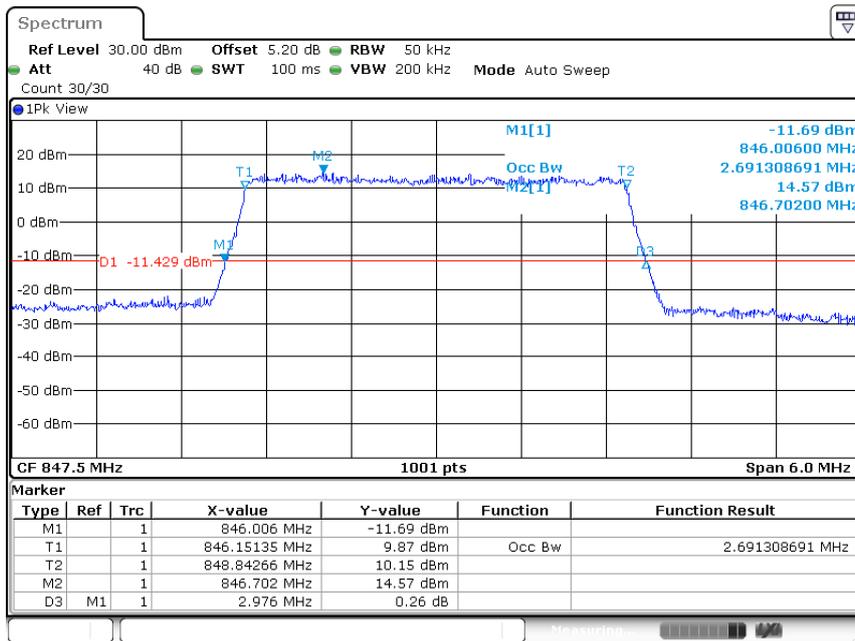
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Band5-3MHz-64QAM-20525-15RB#0-2.691



Date: 4.SEP.2020 00:10:33

Band5-3MHz-64QAM-20635-15RB#0-2.691

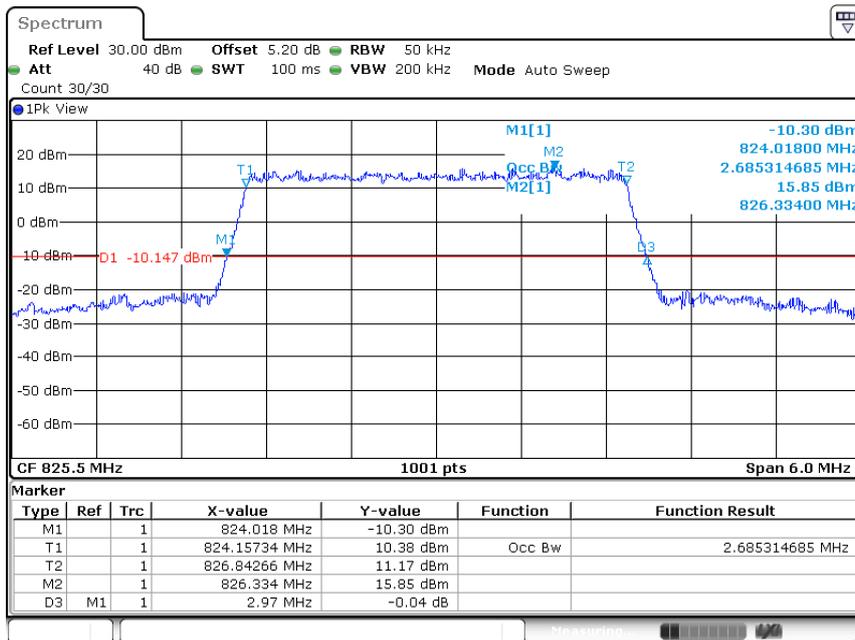


Date: 4.SEP.2020 00:10:46



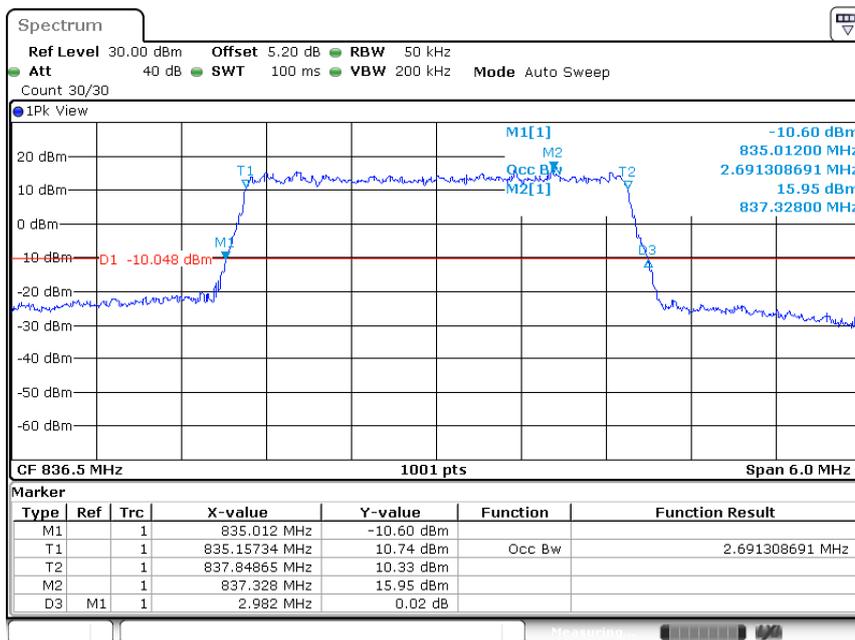
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Band5-3MHz-16QAM-20415-15RB#0-2.685



Date: 3.SEP.2020 22:35:46

Band5-3MHz-16QAM-20525-15RB#0-2.691

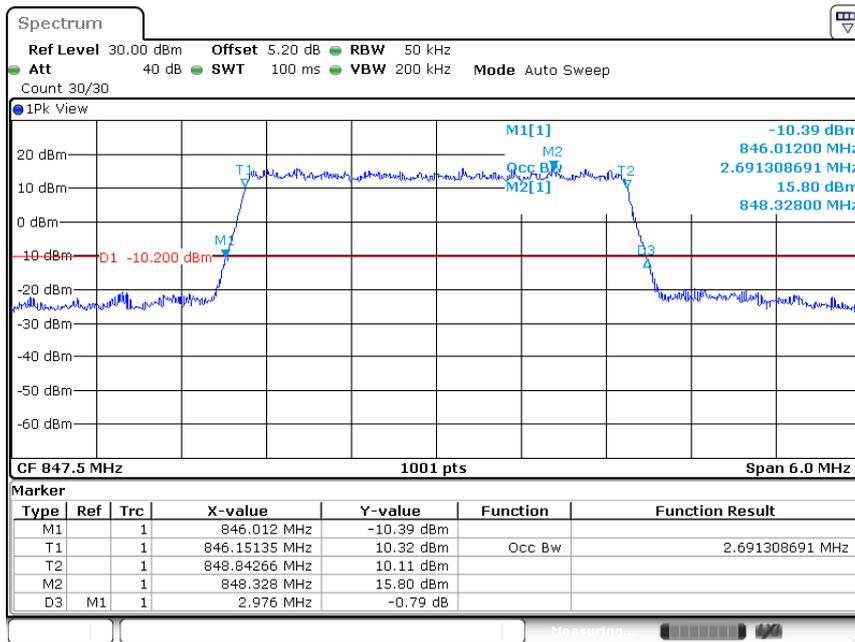


Date: 3.SEP.2020 22:36:12



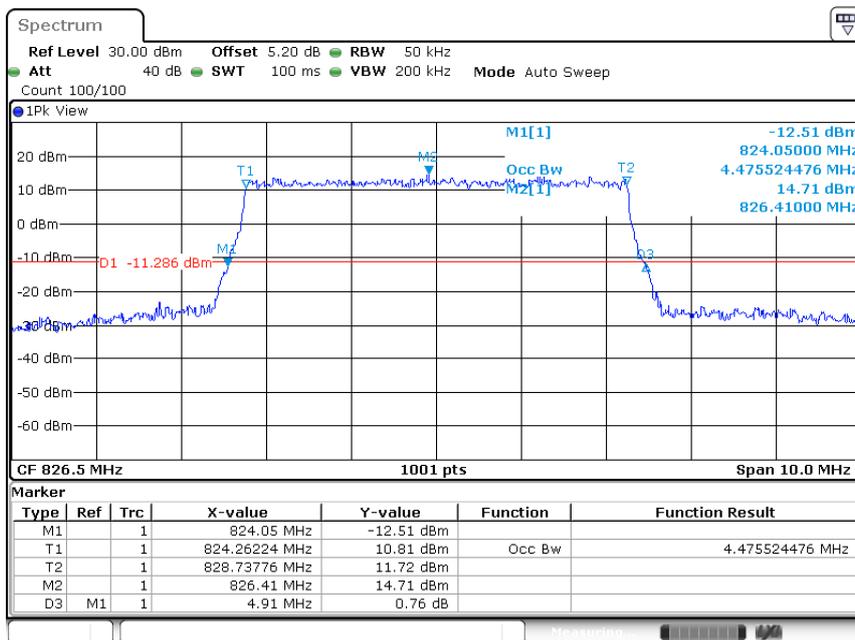
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Band5-3MHz-16QAM-20635-15RB#0-2.691



Date: 3.SEP.2020 22:36:38

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

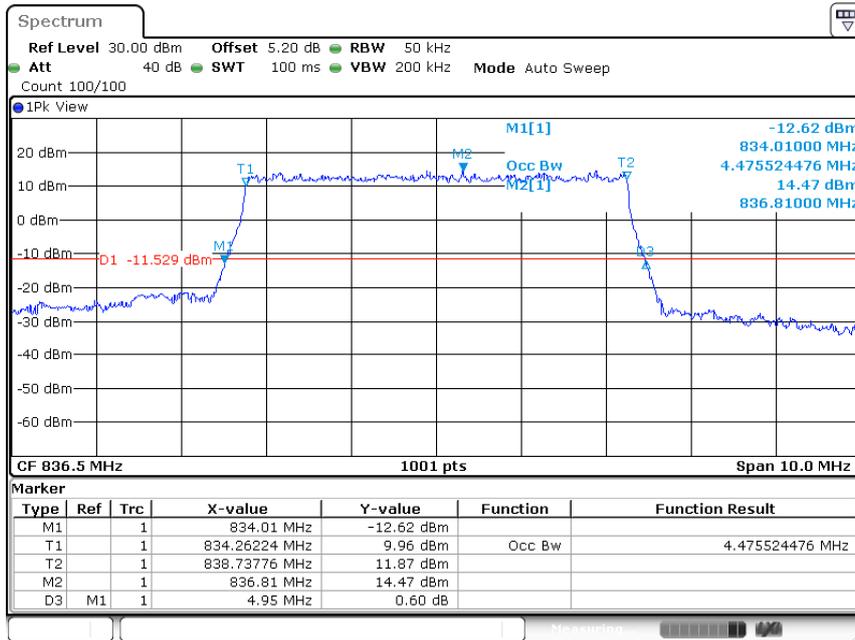


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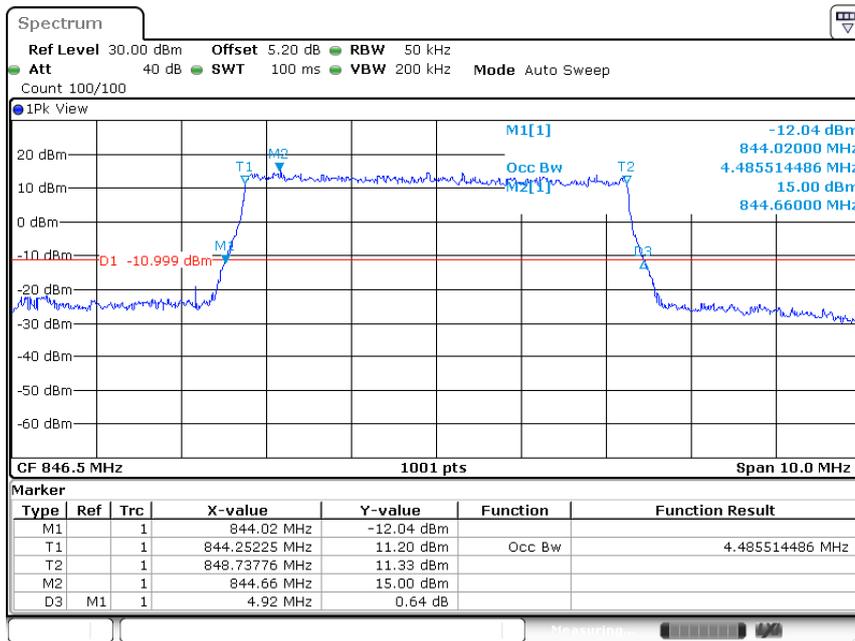
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Band5-5MHz-QPSK-20525-25RB#0-4.476



Date: 3.SEP.2020 22:37:42

Band5-5MHz-QPSK-20625-25RB#0-4.486

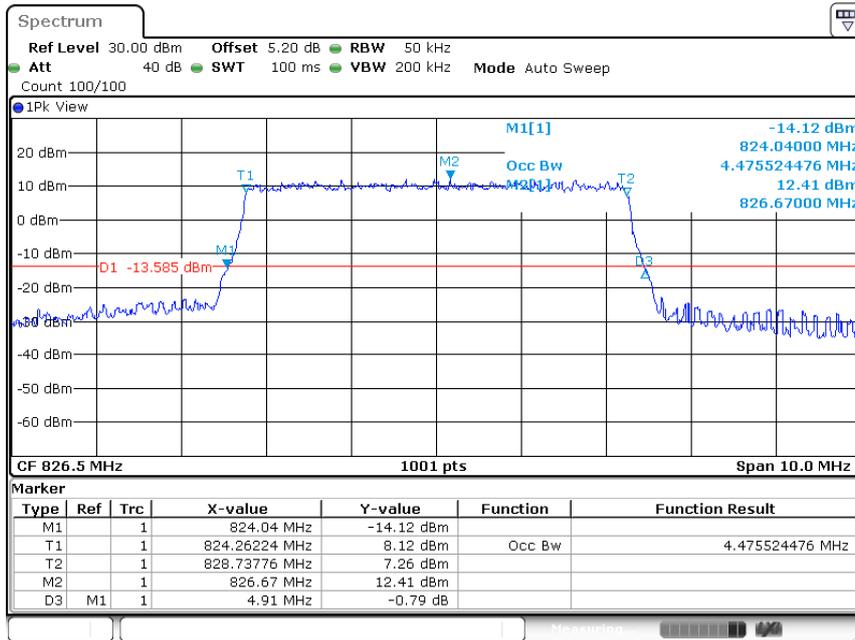


Date: 3.SEP.2020 22:38:22



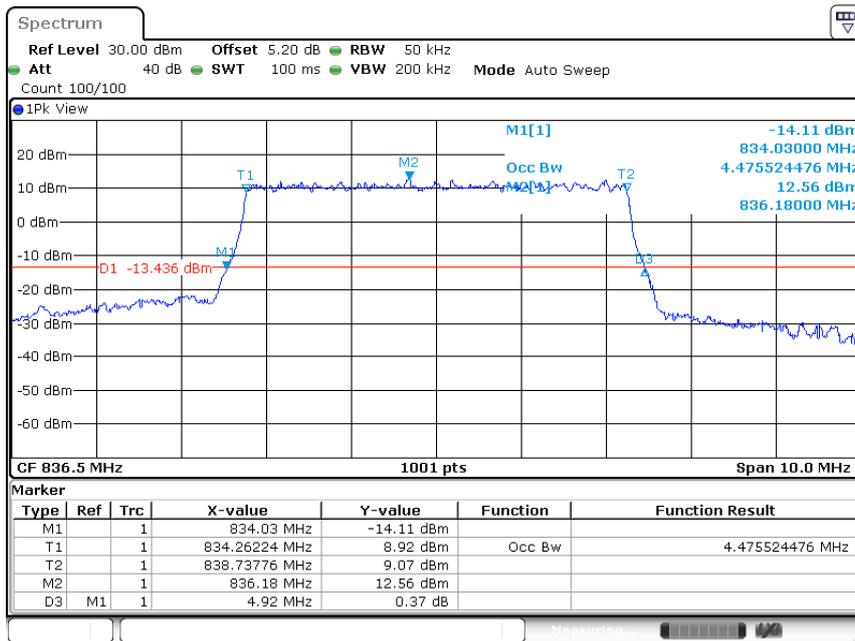
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Band5-5MHz-64QAM-20425-25RB#0-4.476



Date: 4.SEP.2020 00:11:11

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



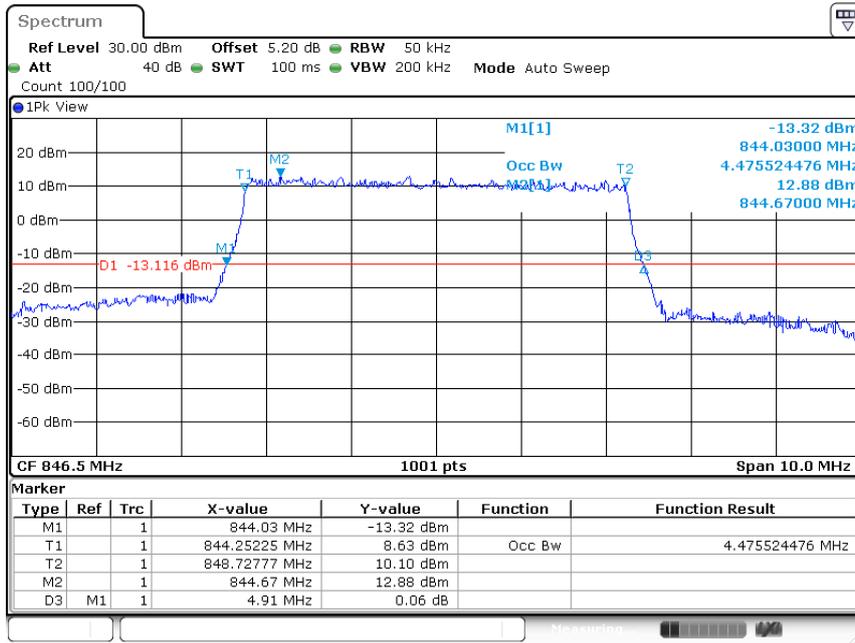
Date: 4.SEP.2020 00:11:31



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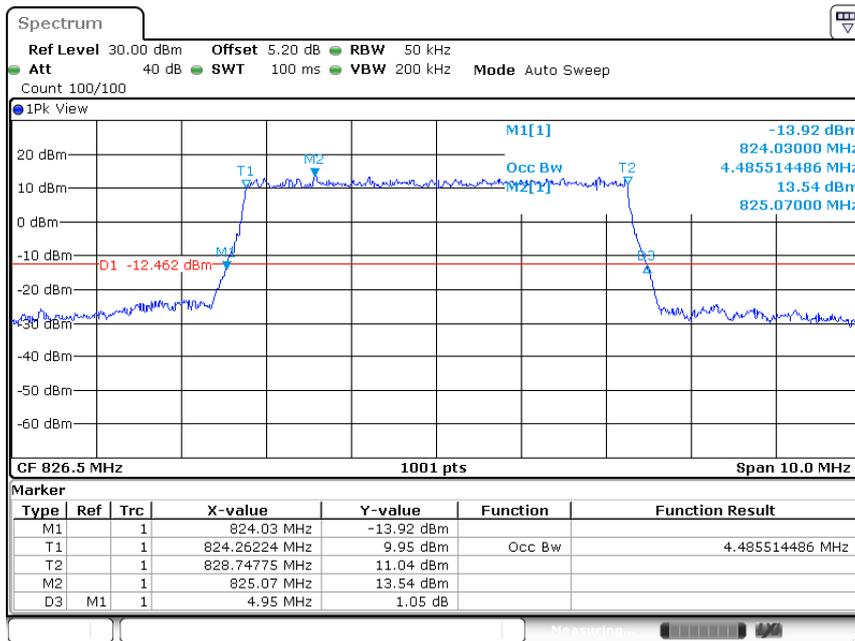
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Band5-5MHz-64QAM-20625-25RB#0-4.476



Date: 4.SEP.2020 00:11:51

Band5-5MHz-16QAM-20425-25RB#0-4.486

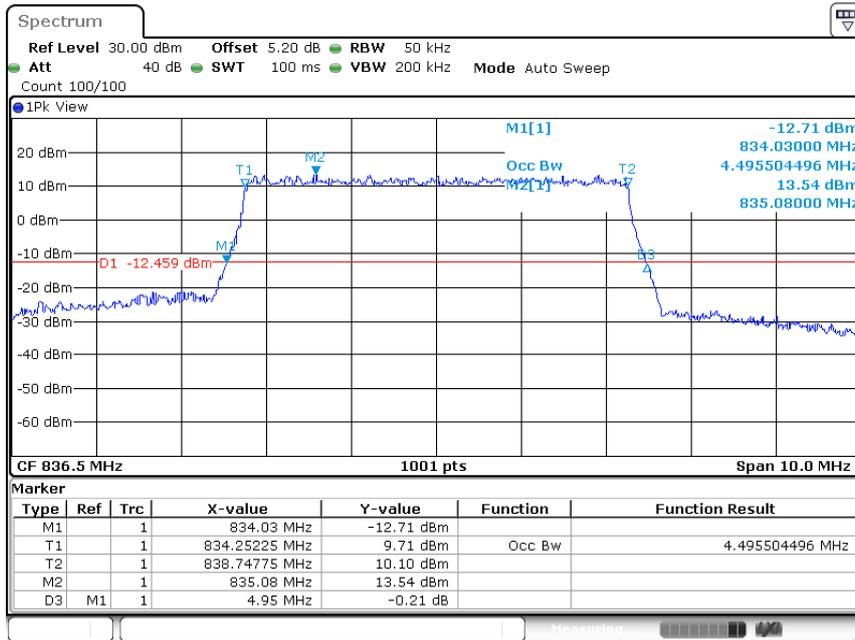


Date: 3.SEP.2020 22:37:22



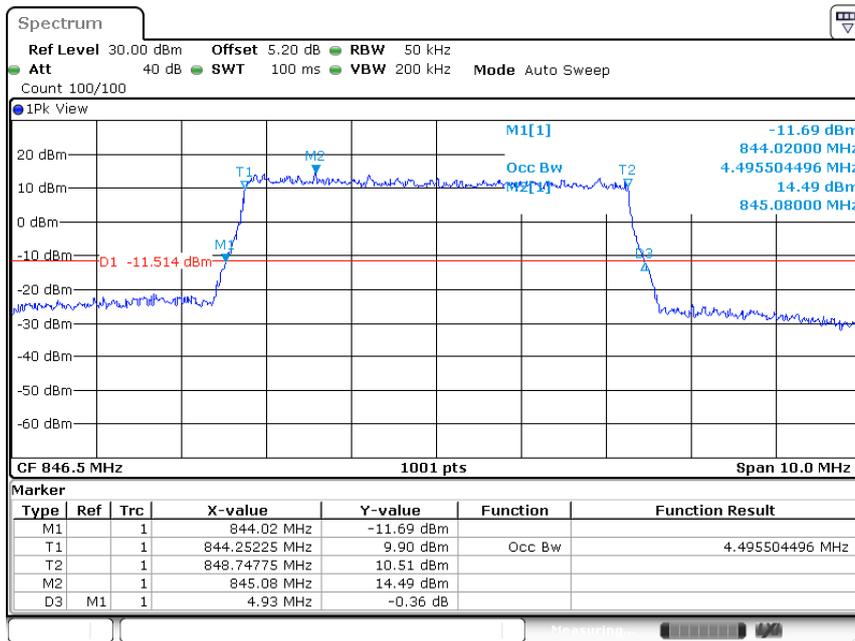
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Band5-5MHz-16QAM-20525-25RB#0-4.496



Date: 3.SEP.2020 22:38:02

Band5-5MHz-16QAM-20625-25RB#0-4.496

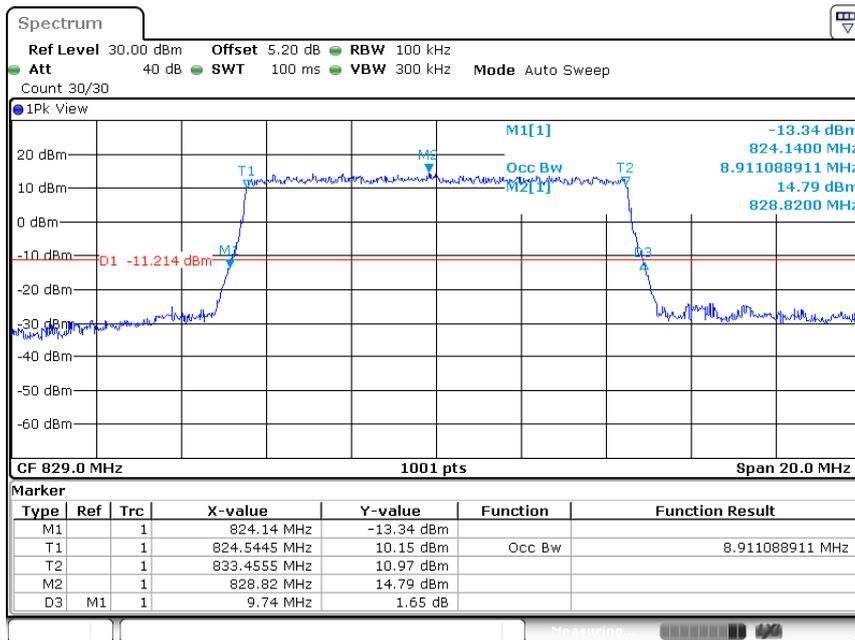


Date: 3.SEP.2020 22:38:42



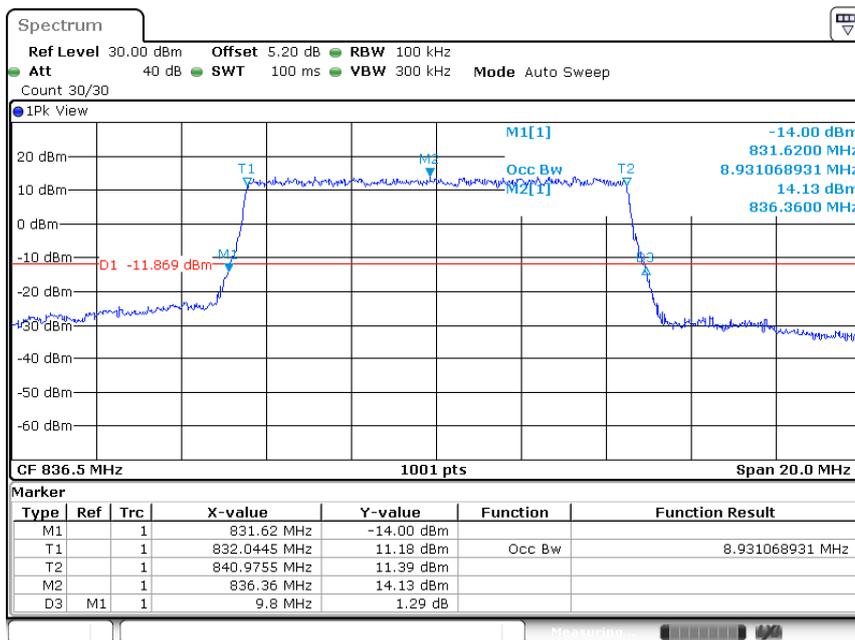
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Band5-10MHz-QPSK-20450-50RB#0-8.911



Date: 3.SEP.2020 22:39:00

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

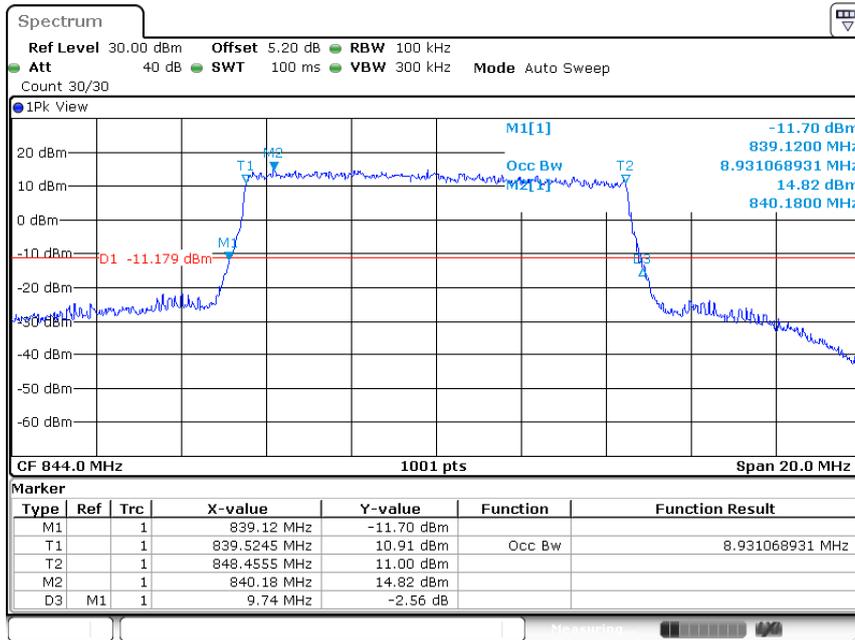


Date: 3.SEP.2020 22:39:25



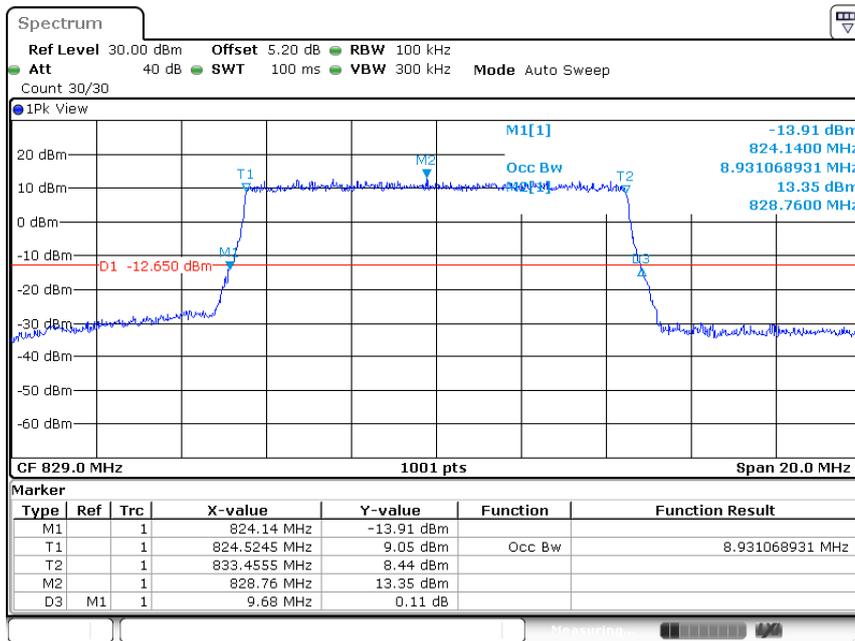
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Band5-10MHz-QPSK-20600-50RB#0-8.931



Date: 3.SEP.2020 22:39:51

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

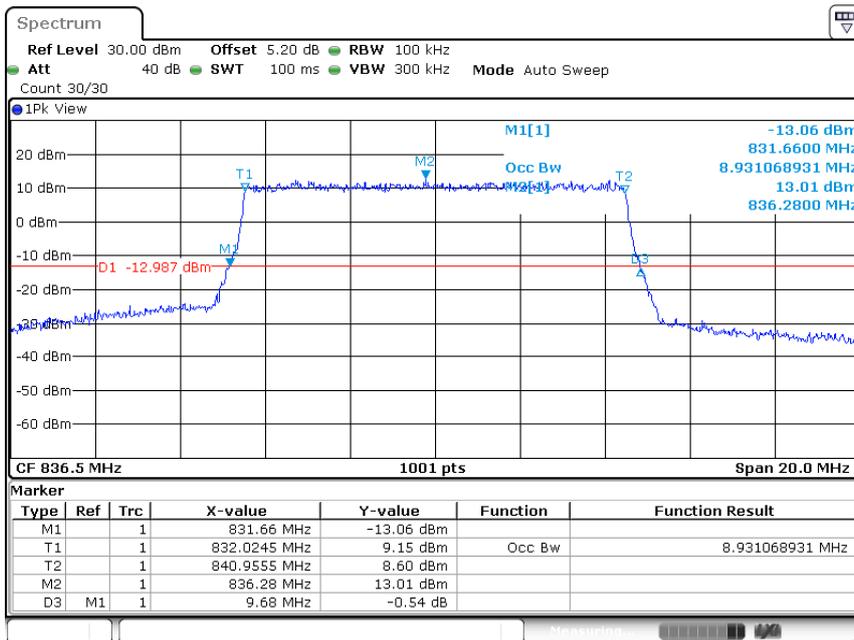


Date: 4.SEP.2020 00:12:09



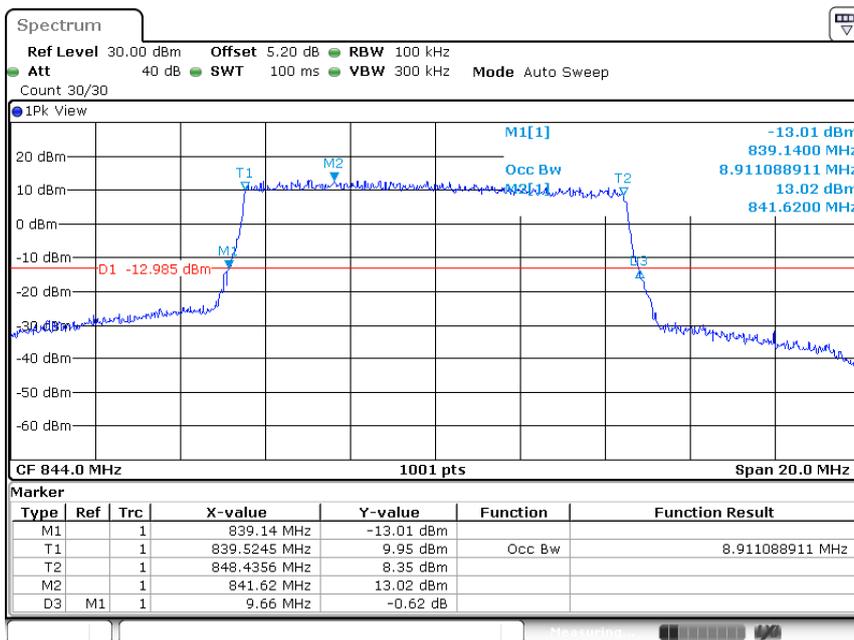
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Band5-10MHz-64QAM-20525-50RB#0-8.931



Date: 4.SEP.2020 00:12:22

Band5-10MHz-64QAM-20600-50RB#0-8.911

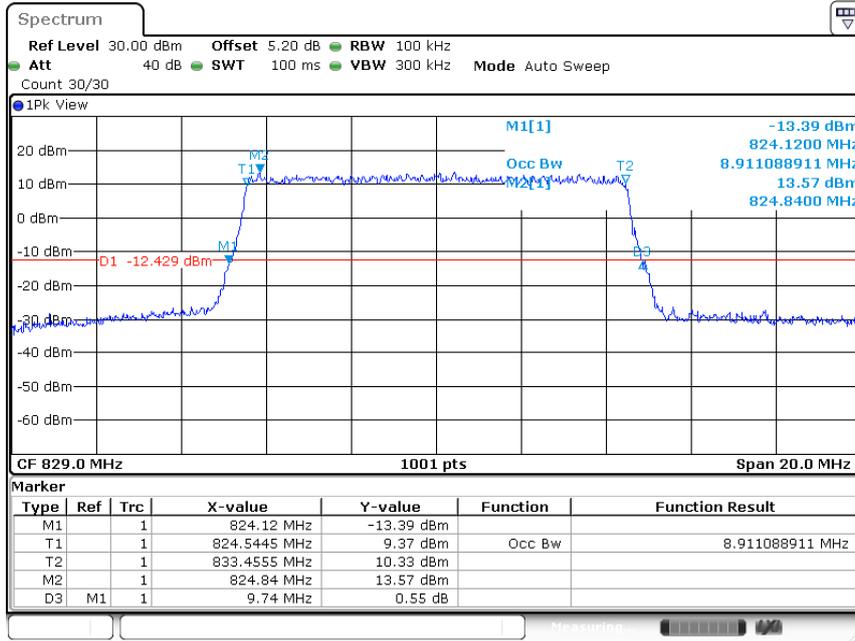


Date: 4.SEP.2020 00:12:35



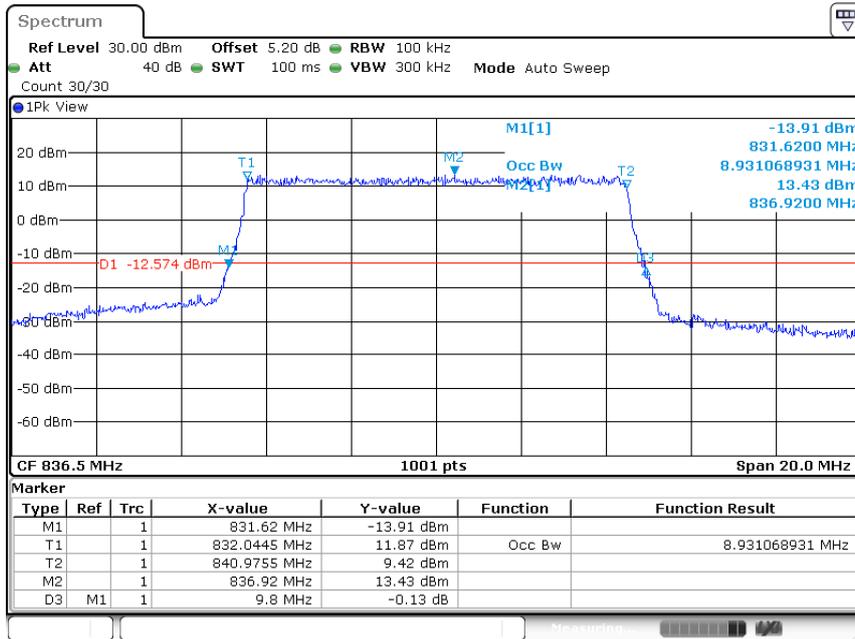
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Band5-10MHz-16QAM-20450-50RB#0-8.911



Date: 3.SEP.2020 22:39:12

Band5-10MHz-16QAM-20525-50RB#0-8.931



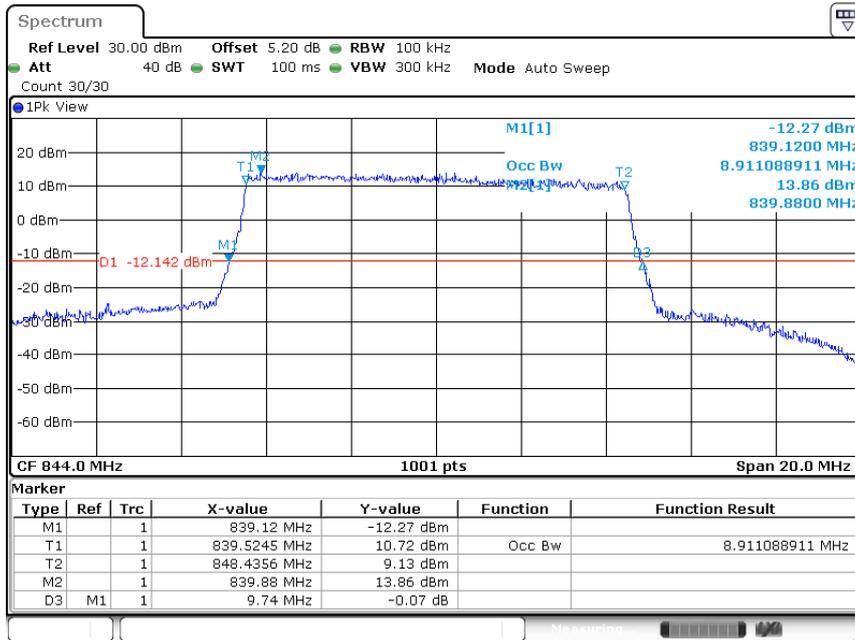
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Band5-10MHz-16QAM-20600-50RB#0-8.911



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5. Band Edge Compliance

5.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	-22.04	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	-27.98	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	-19.75	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-24.62	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	-24.89	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	-29.09	PASS
Band5	1.4MHz	64QAM	20643	1RB#5	-22.57	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	-29.68	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	-22.52	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-27.92	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	-20.54	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-26.58	PASS
Band5	3MHz	QPSK	20415	1RB#0	-21.29	PASS
Band5	3MHz	QPSK	20415	15RB#0	-28.87	PASS
Band5	3MHz	QPSK	20635	1RB#14	-18.27	PASS
Band5	3MHz	QPSK	20635	15RB#0	-27.49	PASS
Band5	3MHz	64QAM	20415	1RB#0	-23.55	PASS
Band5	3MHz	64QAM	20415	15RB#0	-30.20	PASS
Band5	3MHz	64QAM	20635	1RB#14	-21.85	PASS
Band5	3MHz	64QAM	20635	15RB#0	-30.66	PASS
Band5	3MHz	16QAM	20415	1RB#0	-21.25	PASS
Band5	3MHz	16QAM	20415	15RB#0	-29.38	PASS
Band5	3MHz	16QAM	20635	1RB#14	-19.41	PASS
Band5	3MHz	16QAM	20635	15RB#0	-29.27	PASS
Band5	5MHz	QPSK	20425	1RB#0	-22.11	PASS
Band5	5MHz	QPSK	20425	25RB#0	-29.77	PASS
Band5	5MHz	QPSK	20625	1RB#24	-21.74	PASS
Band5	5MHz	QPSK	20625	25RB#0	-29.52	PASS
Band5	5MHz	64QAM	20425	1RB#0	-24.22	PASS
Band5	5MHz	64QAM	20425	25RB#0	-30.32	PASS
Band5	5MHz	64QAM	20625	1RB#24	-22.93	PASS
Band5	5MHz	64QAM	20625	25RB#0	-31.71	PASS

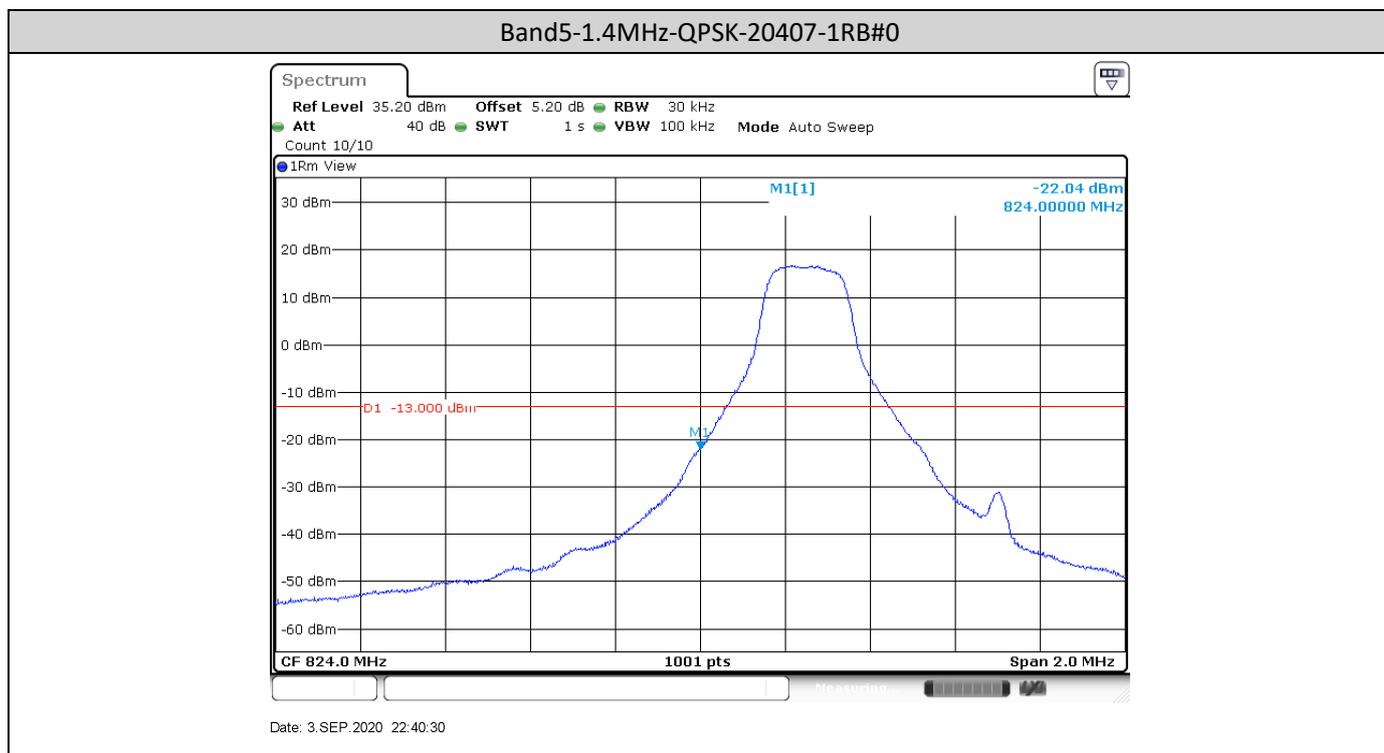


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Band5	5MHz	16QAM	20425	1RB#0	-22.29	PASS
Band5	5MHz	16QAM	20425	25RB#0	-29.72	PASS
Band5	5MHz	16QAM	20625	1RB#24	-21.48	PASS
Band5	5MHz	16QAM	20625	25RB#0	-30.26	PASS
Band5	10MHz	QPSK	20450	1RB#0	-32.54	PASS
Band5	10MHz	QPSK	20450	50RB#0	-33.20	PASS
Band5	10MHz	QPSK	20600	1RB#49	-32.05	PASS
Band5	10MHz	QPSK	20600	50RB#0	-33.56	PASS
Band5	10MHz	64QAM	20450	1RB#0	-33.75	PASS
Band5	10MHz	64QAM	20450	50RB#0	-33.27	PASS
Band5	10MHz	64QAM	20600	1RB#49	-33.81	PASS
Band5	10MHz	64QAM	20600	50RB#0	-35.86	PASS
Band5	10MHz	16QAM	20450	1RB#0	-31.94	PASS
Band5	10MHz	16QAM	20450	50RB#0	-33.02	PASS
Band5	10MHz	16QAM	20600	1RB#49	-33.08	PASS
Band5	10MHz	16QAM	20600	50RB#0	-34.77	PASS

5.2. Test Plots

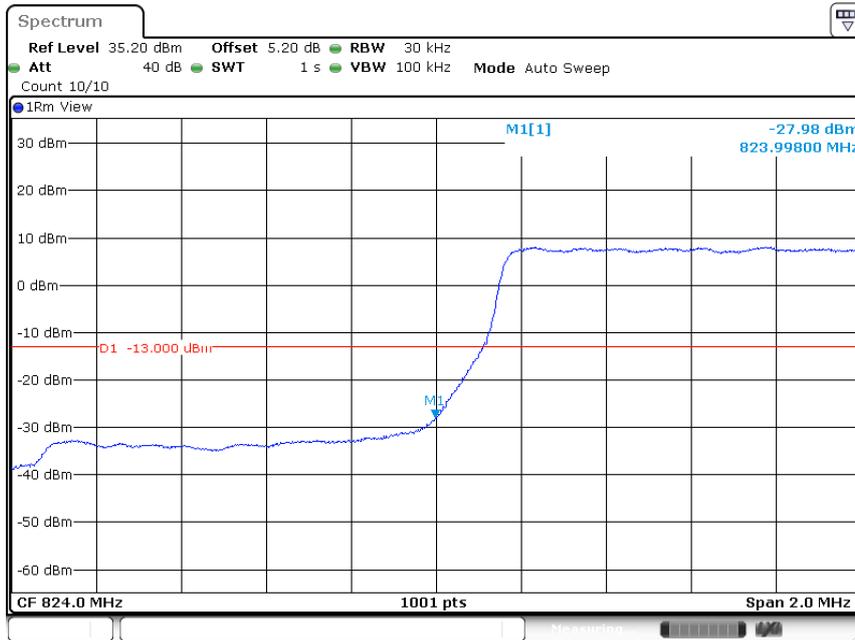


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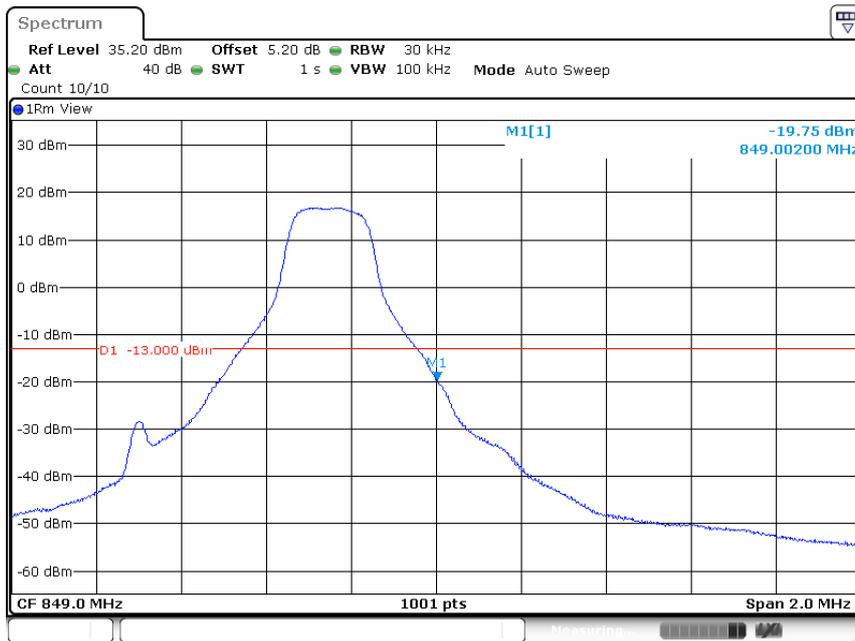
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Band5-1.4MHz-QPSK-20407-6RB#0



Date: 3.SEP.2020 22:41:11

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



Date: 3.SEP.2020 22:41:56



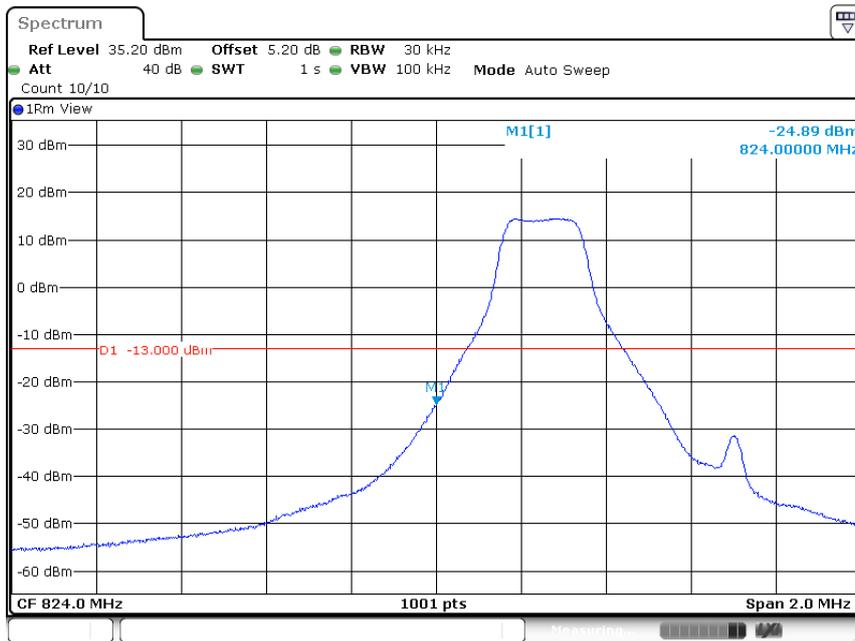
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Band5-1.4MHz-QPSK-20643-6RB#0



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



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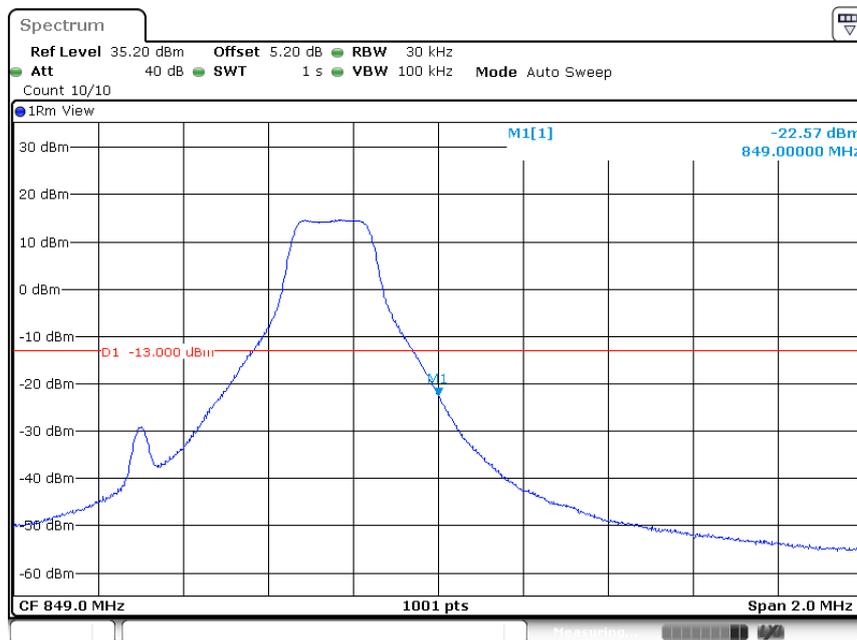
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Band5-1.4MHz-64QAM-20643-1RB#5



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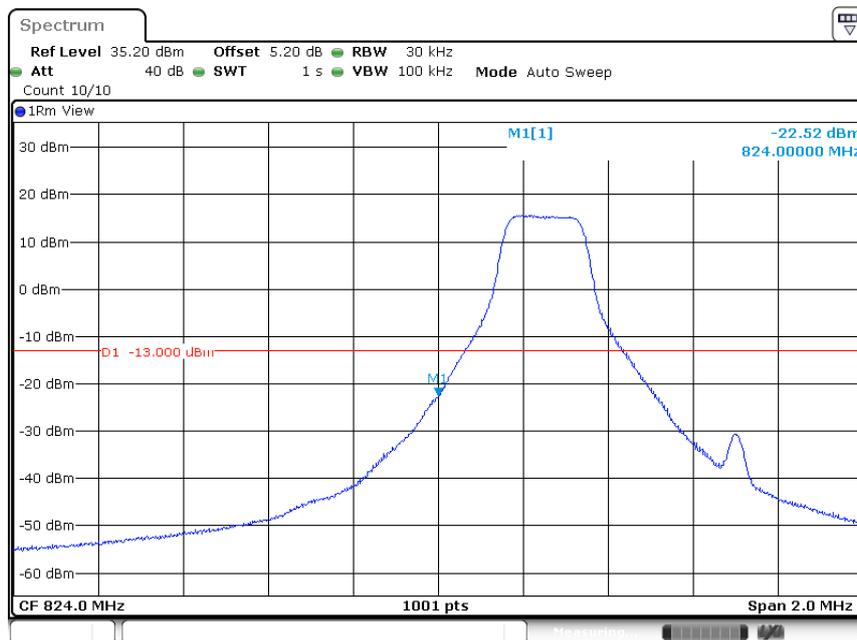
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Band5-1.4MHz-64QAM-20643-6RB#0



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



Date: 3.SEP.2020 22:41:31

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



Date: 3.SEP.2020 22:42:17



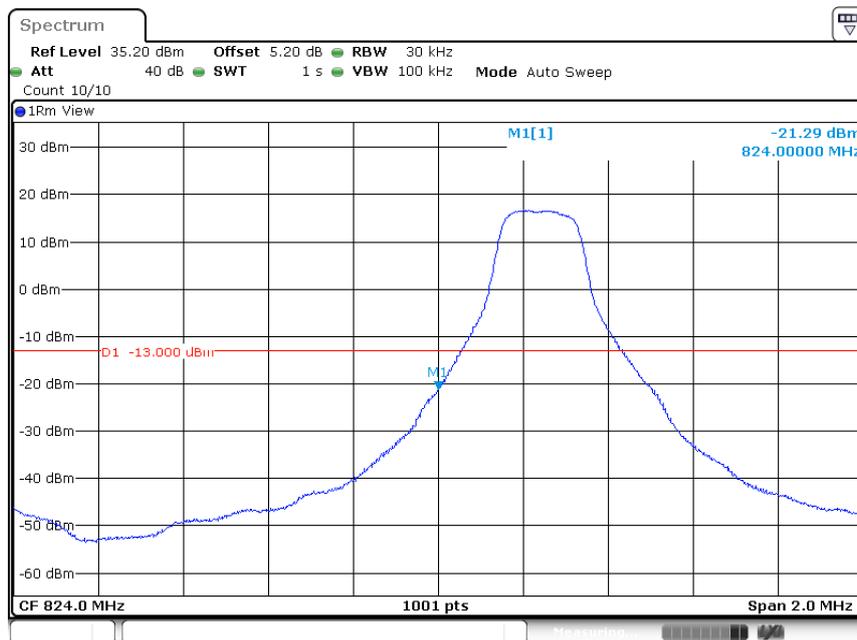
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Band5-1.4MHz-16QAM-20643-6RB#0



Date: 3.SEP.2020 22:42:58

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



Date: 3.SEP.2020 22:43:23



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



Date: 3.SEP.2020 22:44:04

Band5-3MHz-QPSK-20635-1RB#14



Date: 3.SEP.2020 22:44:50



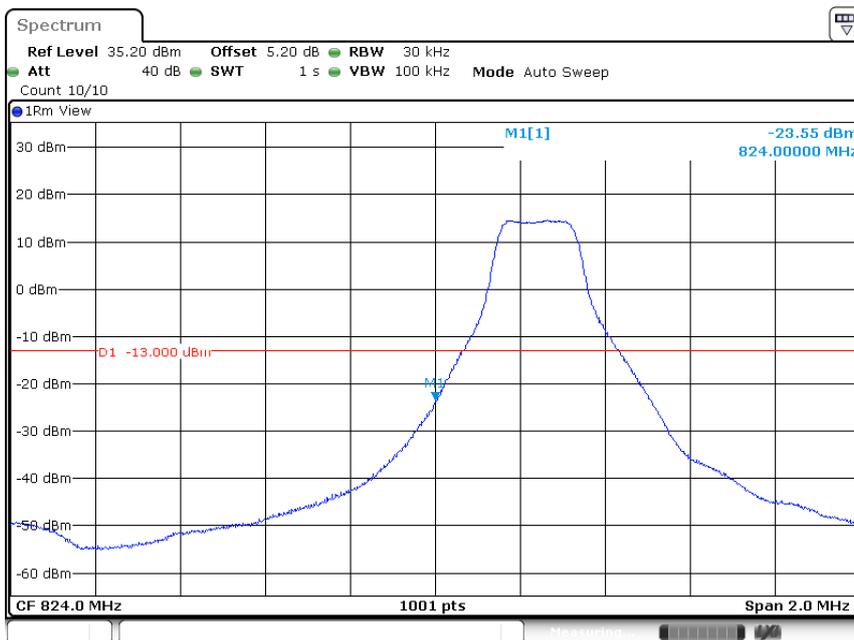
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Band5-3MHz-QPSK-20635-15RB#0



Date: 3.SEP.2020 22:45:31

Band5-3MHz-64QAM-20415-1RB#0

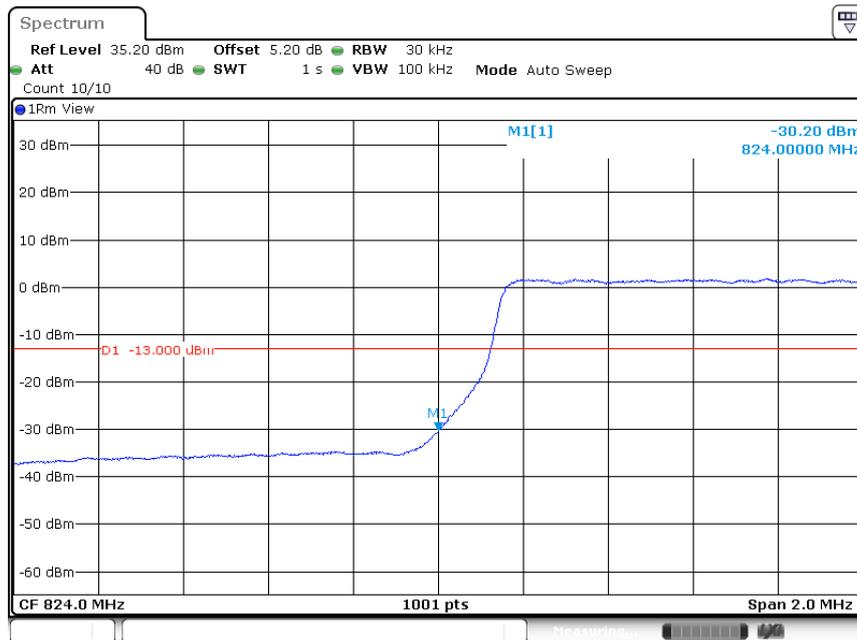


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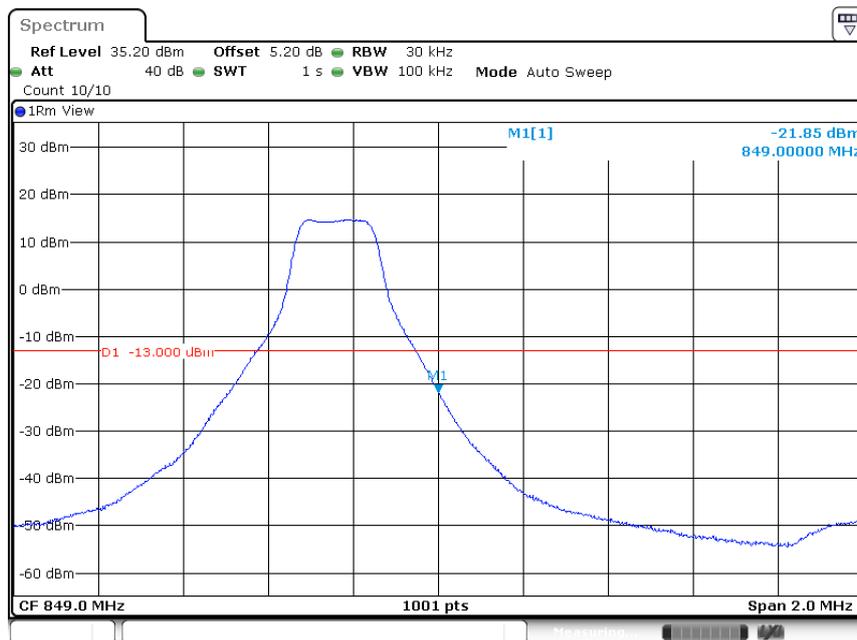
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Band5-3MHz-64QAM-20415-15RB#0



Date: 4.SEP.2020 00:14:54

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



Date: 4.SEP.2020 00:15:20

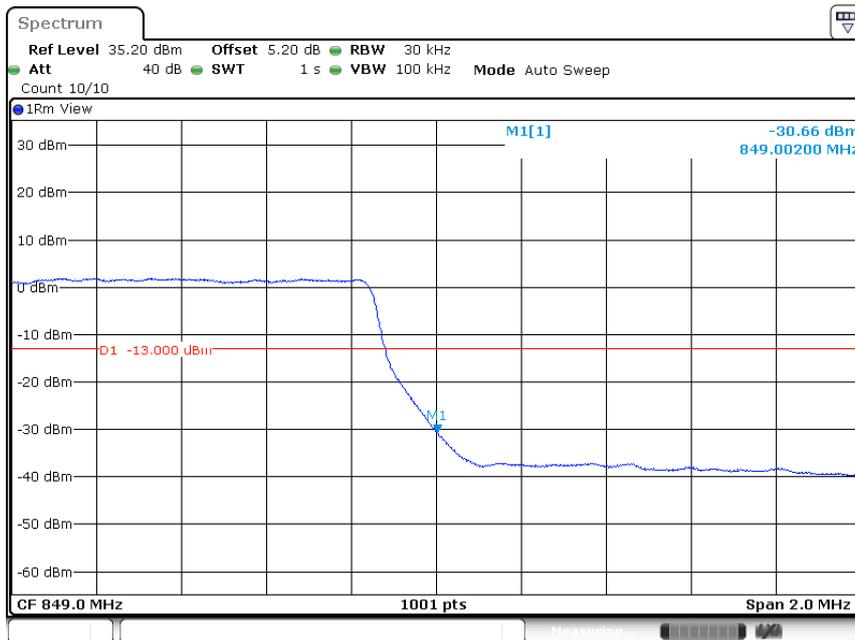


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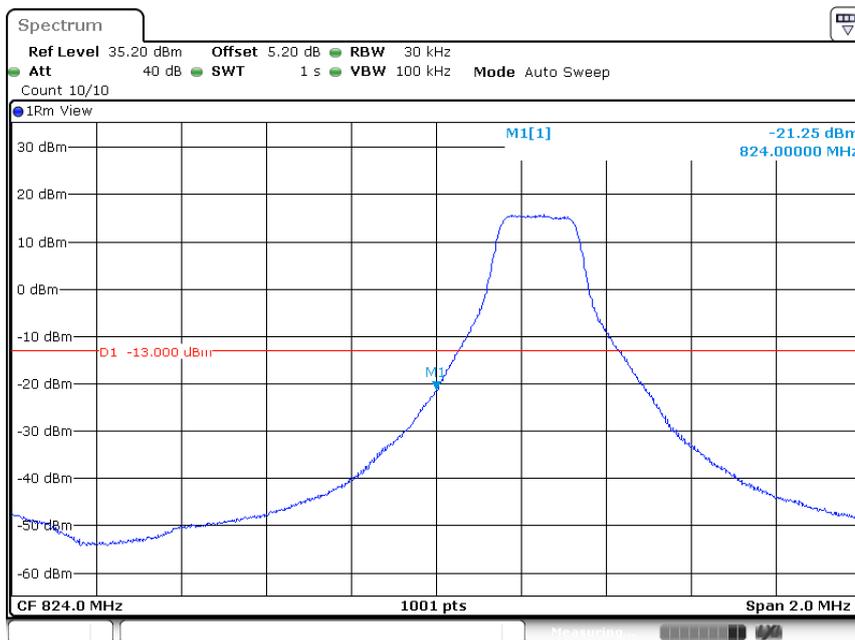
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Band5-3MHz-64QAM-20635-15RB#0



Date: 4.SEP.2020 00:15:40

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



Date: 3.SEP.2020 22:43:44



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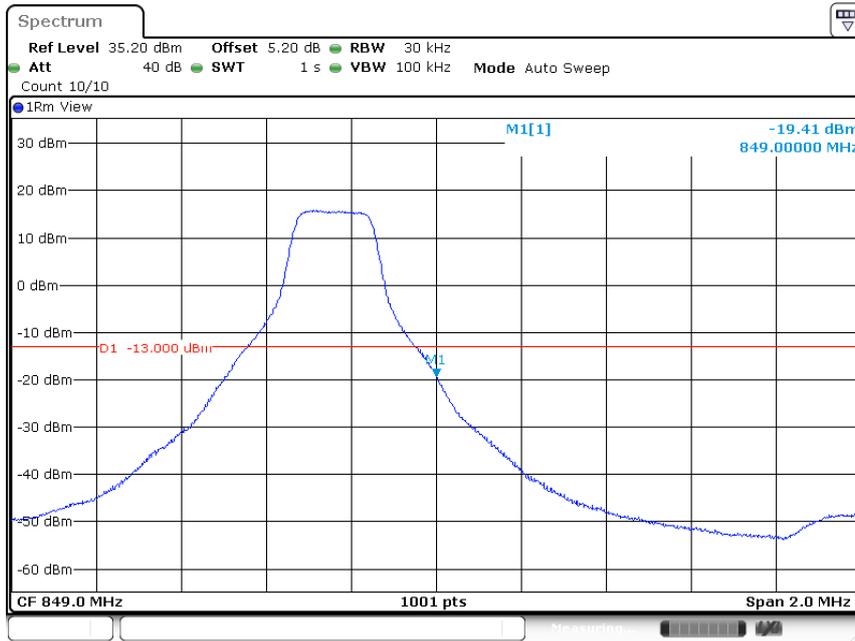
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Band5-3MHz-16QAM-20415-15RB#0



Date: 3.SEP.2020 22:44:25

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



Date: 3.SEP.2020 22:45:11



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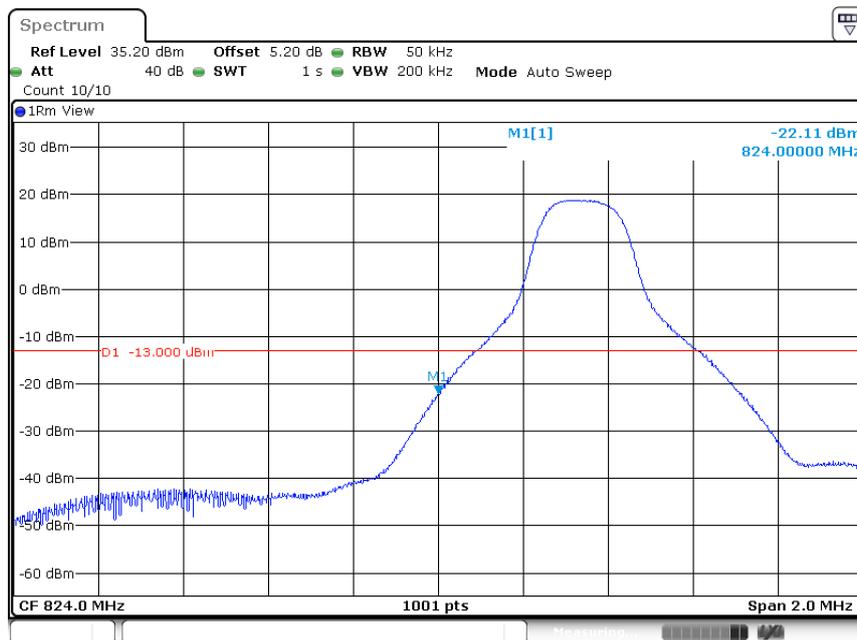
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Band5-3MHz-16QAM-20635-15RB#0



Date: 3.SEP.2020 22:45:52

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



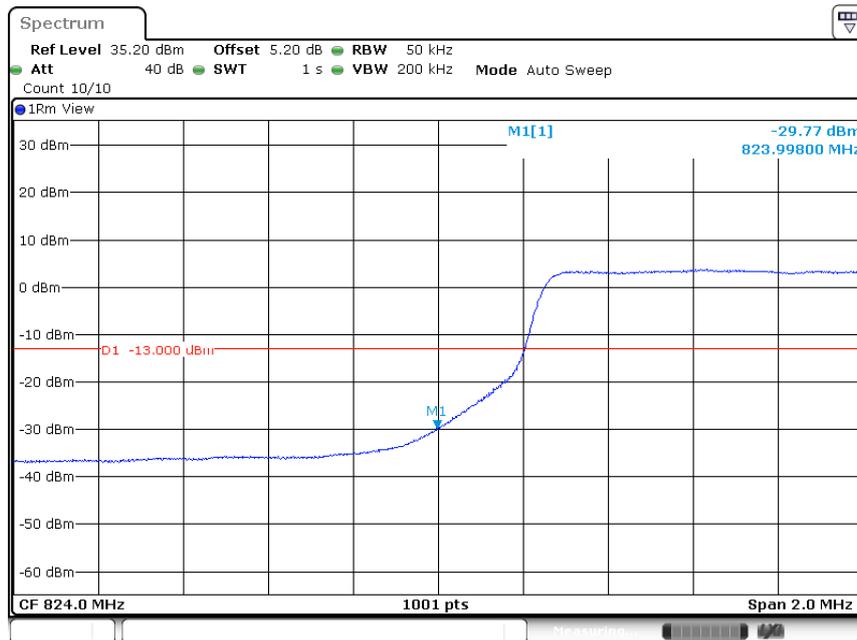
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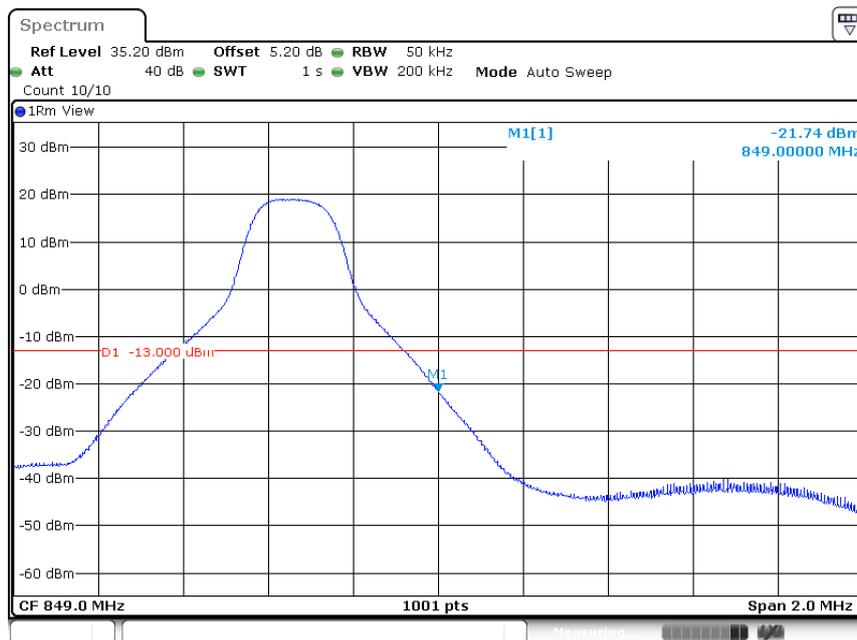
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Band5-5MHz-QPSK-20425-25RB#0



Date: 3.SEP.2020 22:46:58

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

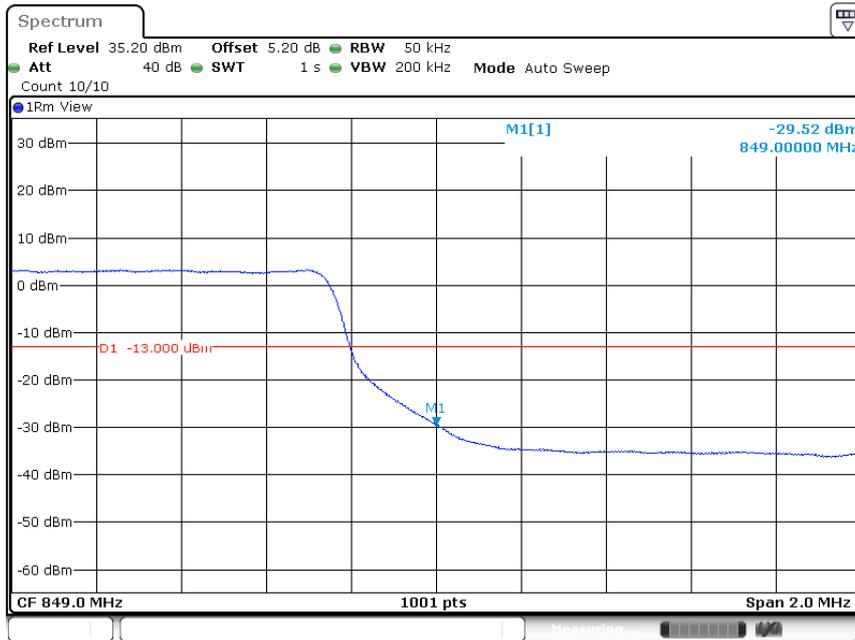


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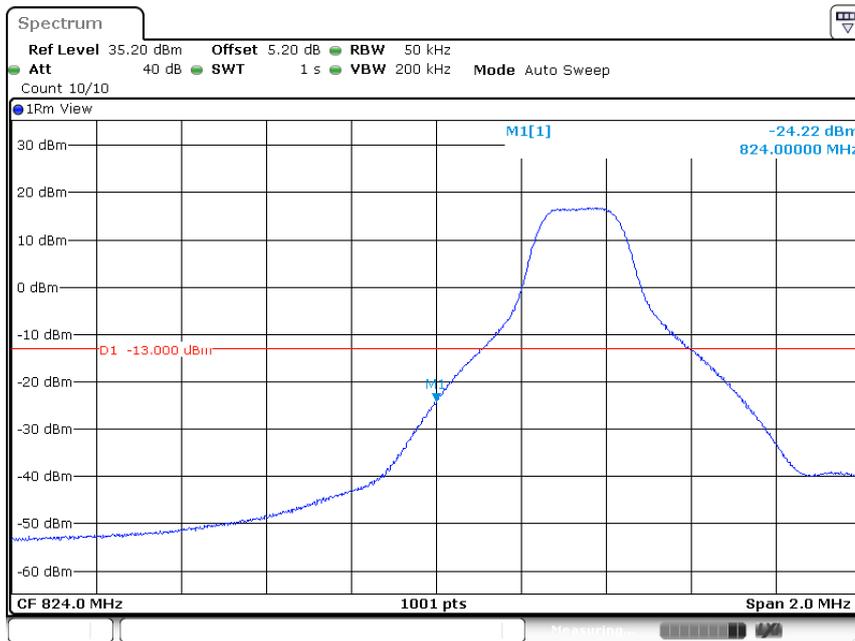
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Date: 3.SEP.2020 22:48:25

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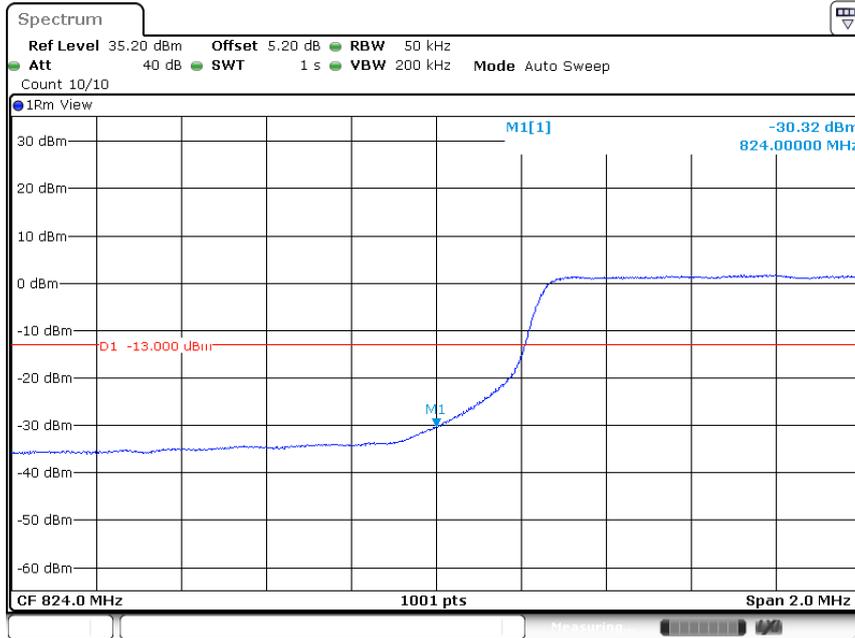
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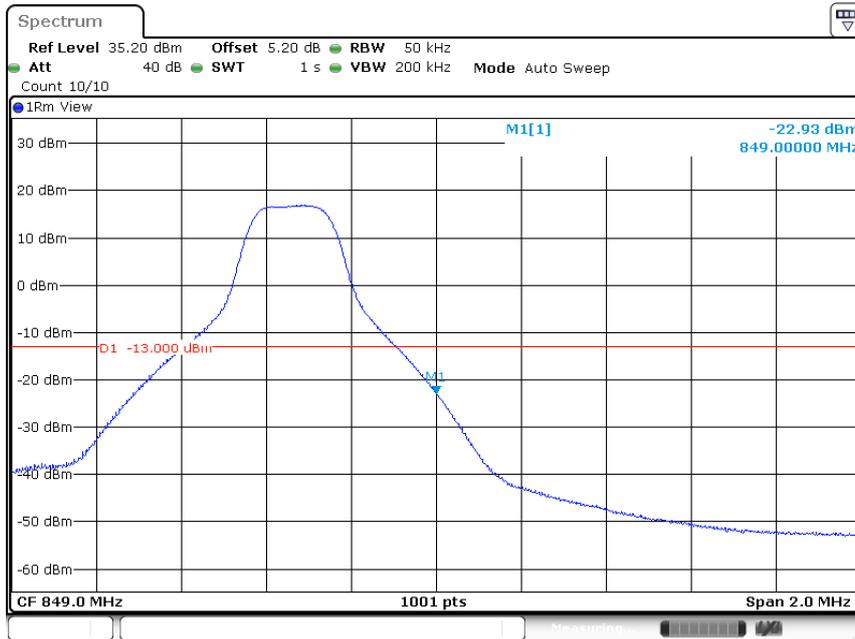
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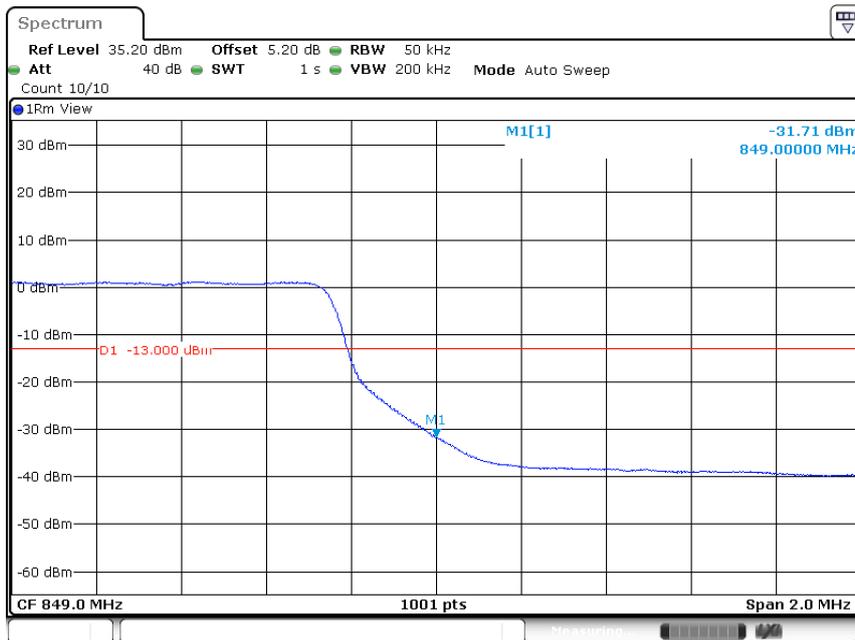
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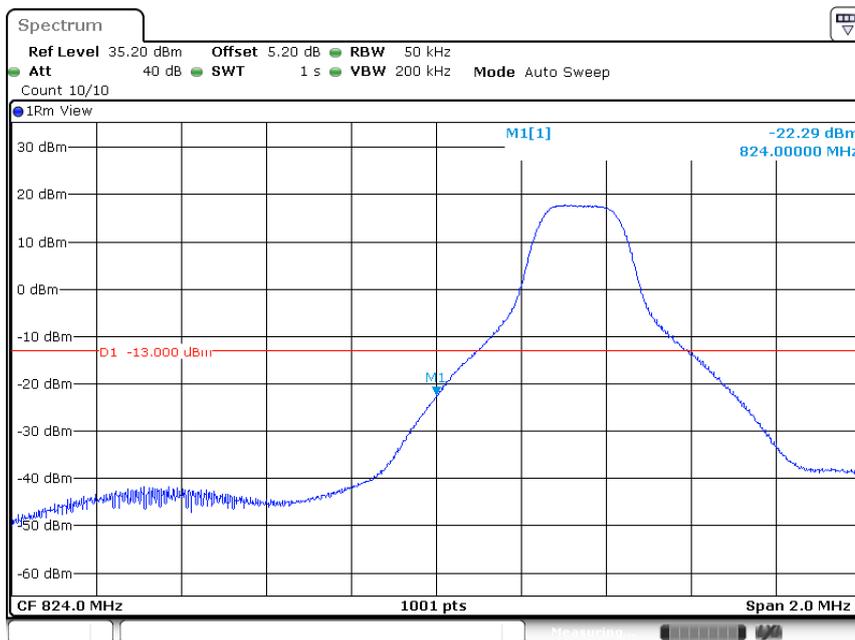
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Date: 4.SEP.2020 00:17:13

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

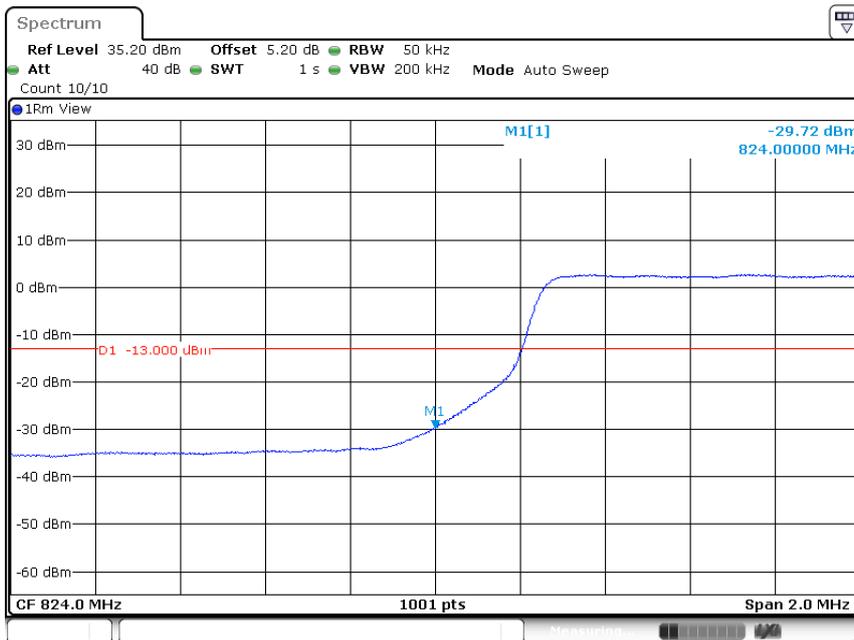


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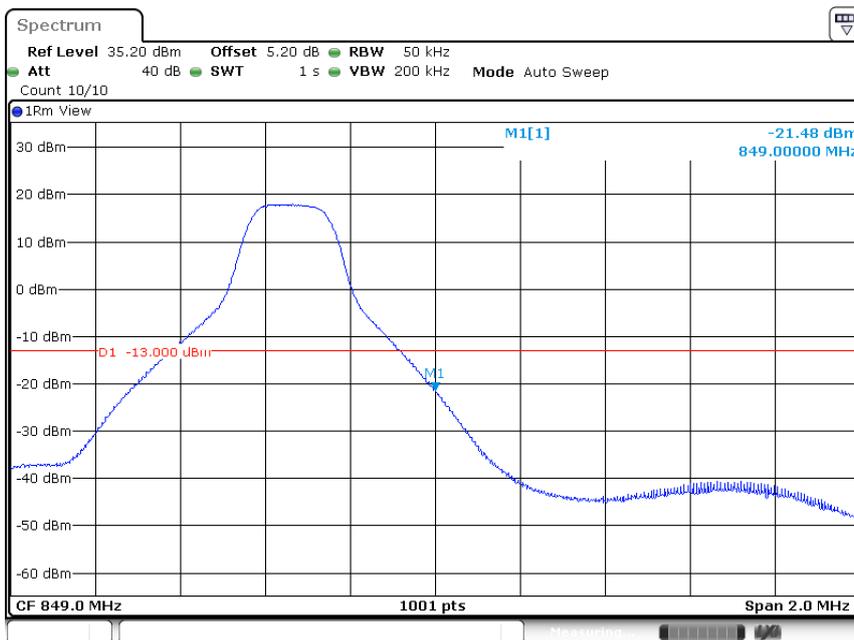
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Band5-5MHz-16QAM-20625-1RB#24



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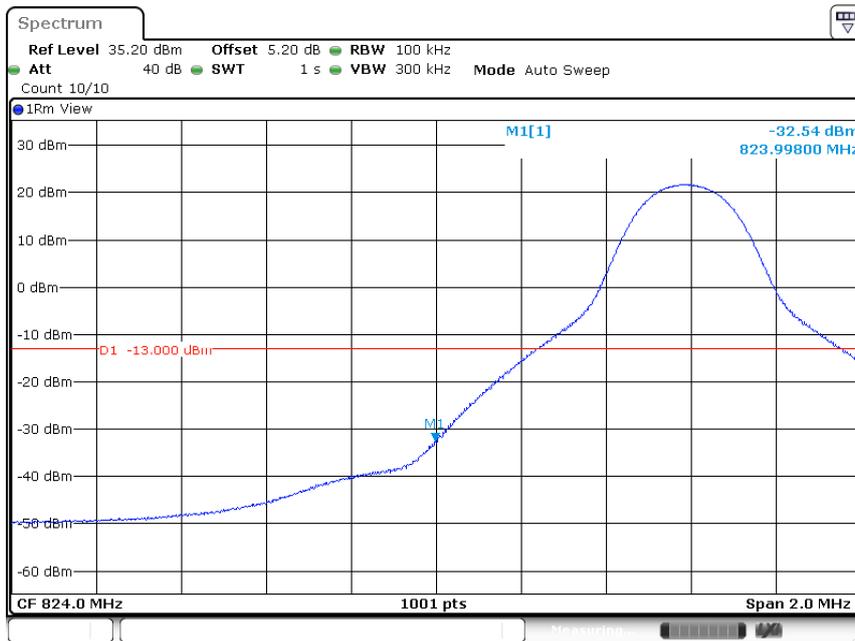
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Date: 3.SEP.2020 22:48:46

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



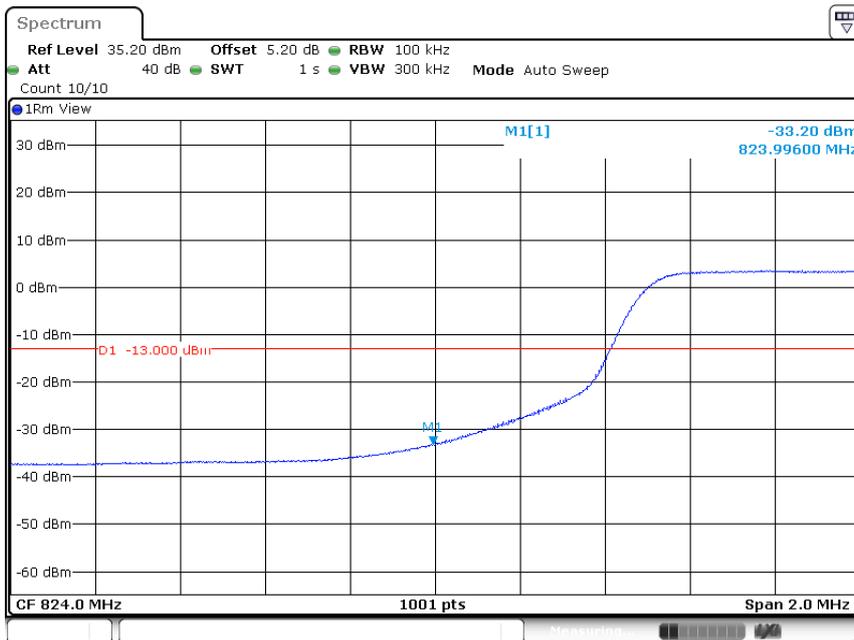
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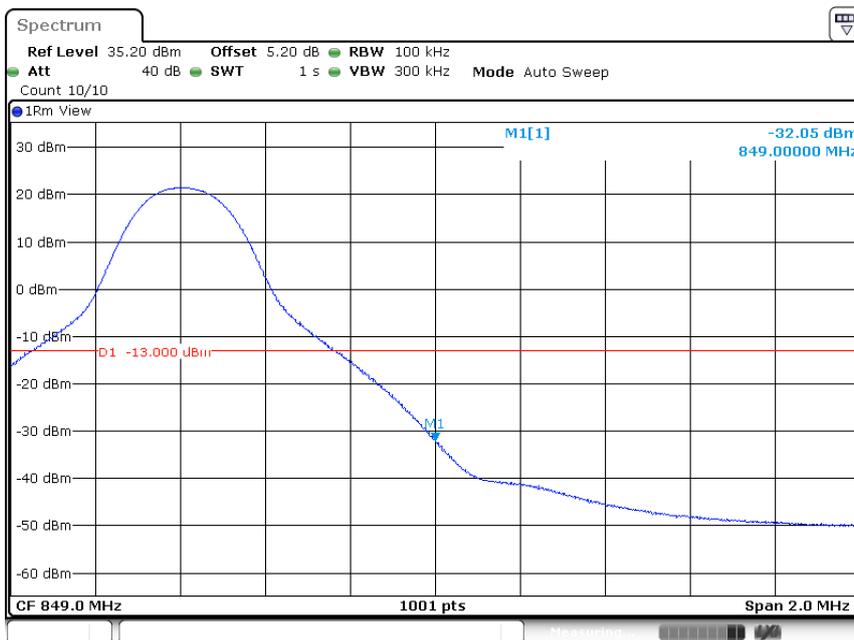
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Band5-10MHz-QPSK-20450-50RB#0



Date: 3.SEP.2020 22:49:53

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



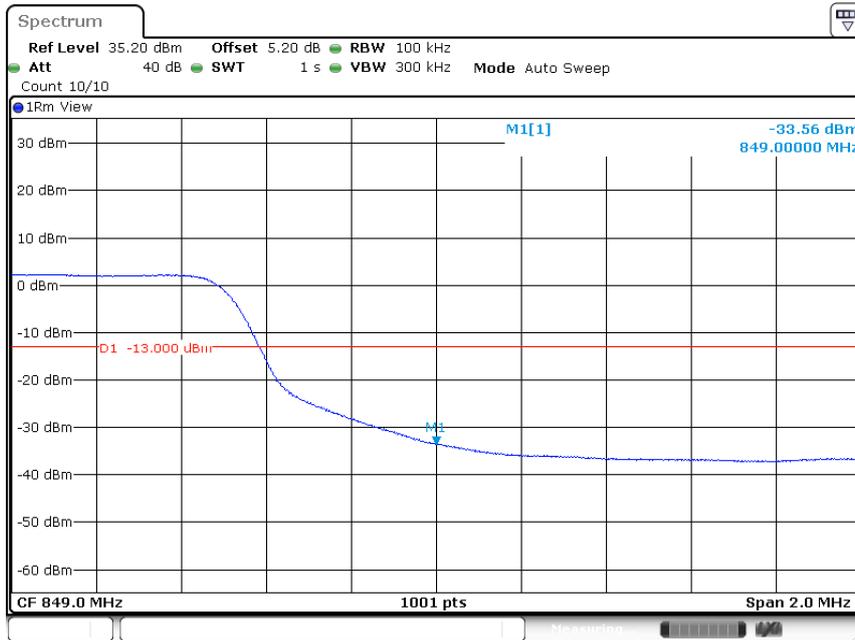
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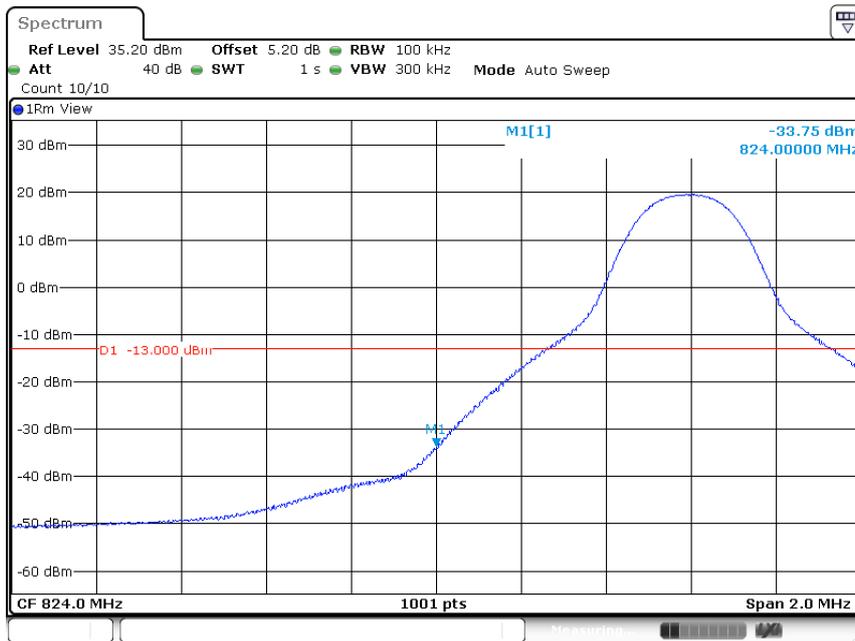
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中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Date: 3.SEP.2020 22:51:19

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

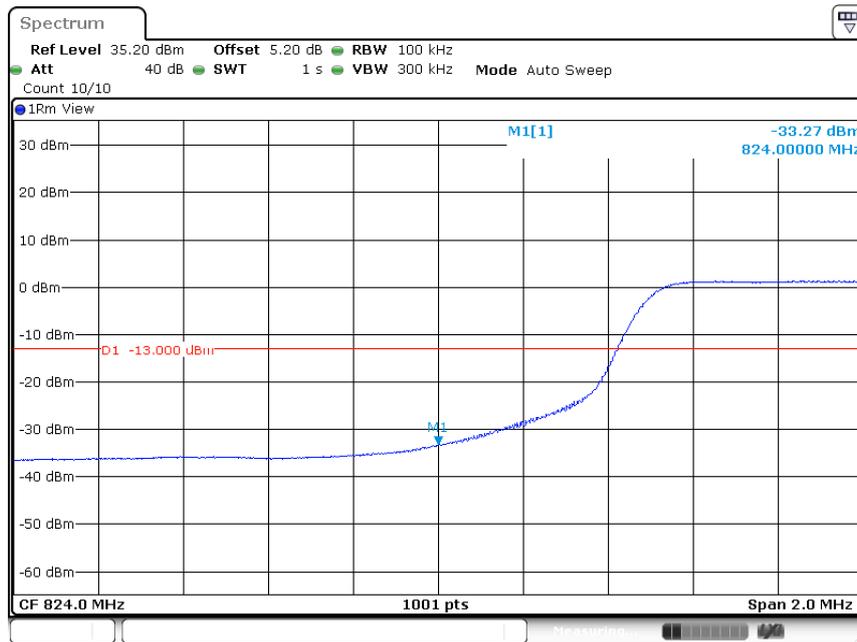


Date: 4.SEP.2020 00:17:39



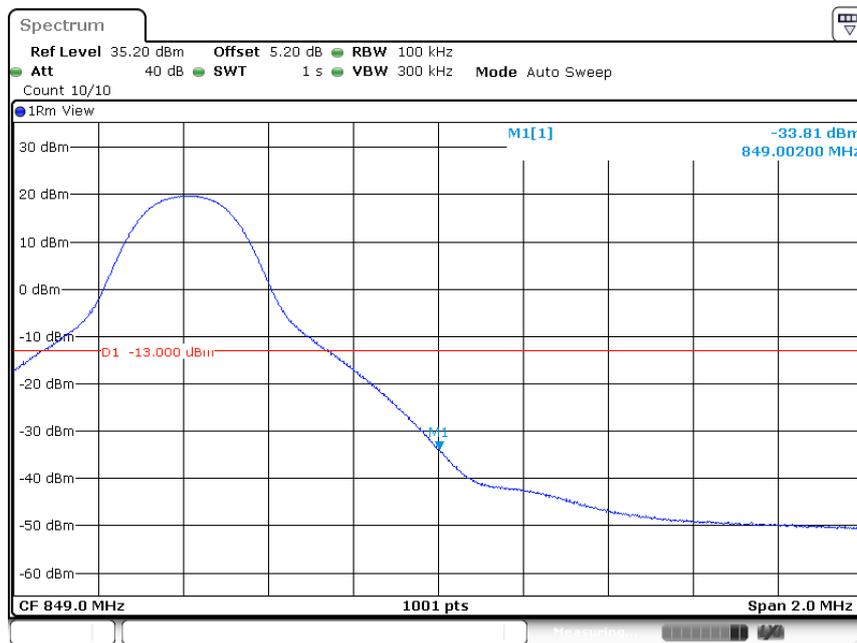
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Band5-10MHz-64QAM-20450-50RB#0



Date: 4.SEP.2020 00:17:59

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

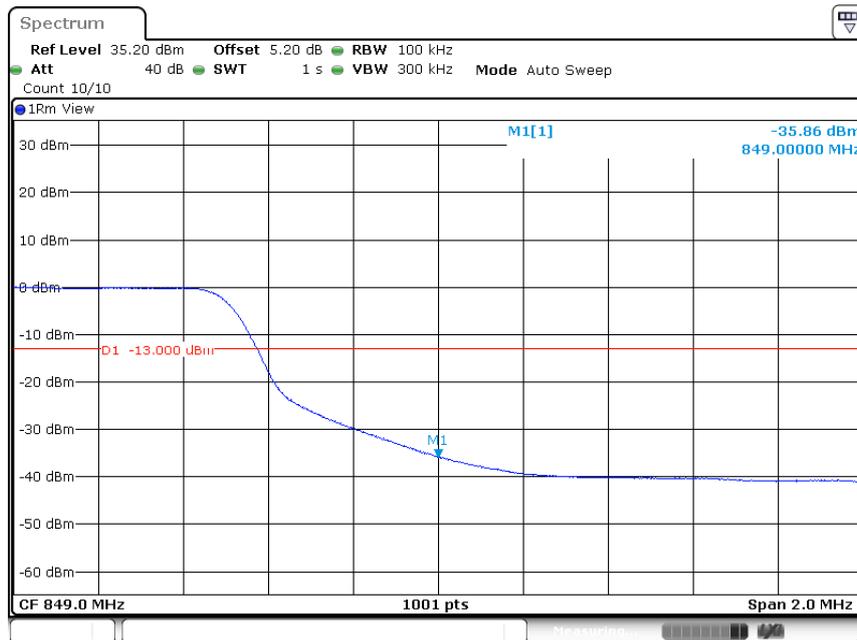


Date: 4.SEP.2020 00:18:24



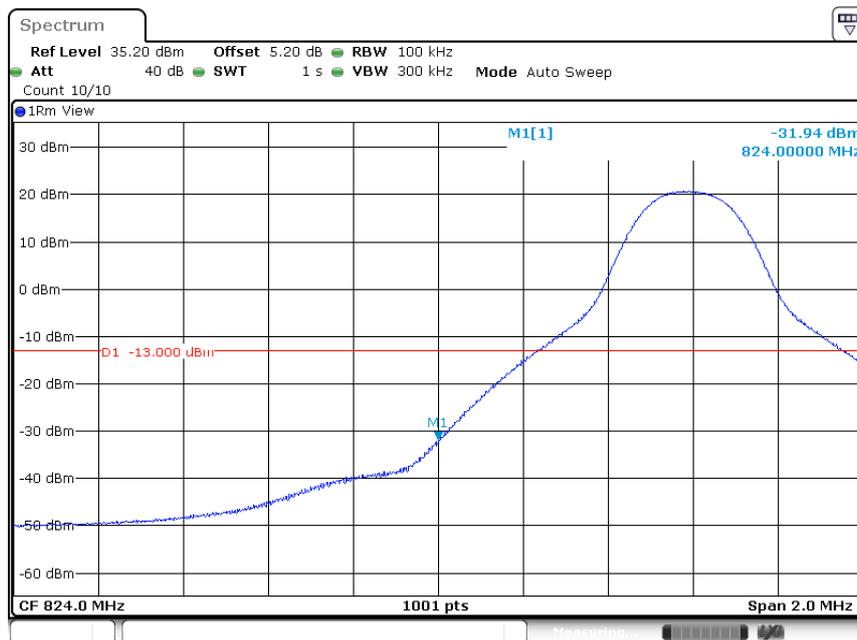
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Band5-10MHz-64QAM-20600-50RB#0



Date: 4.SEP.2020 00:18:45

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



Date: 3.SEP.2020 22:49:32



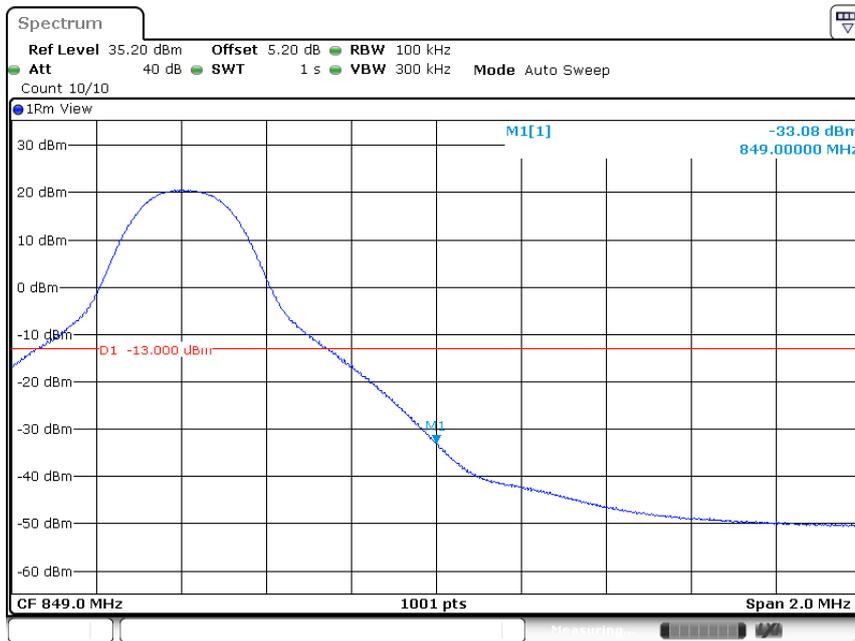
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Band5-10MHz-16QAM-20450-50RB#0



Date: 3.SEP.2020 22:50:13

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

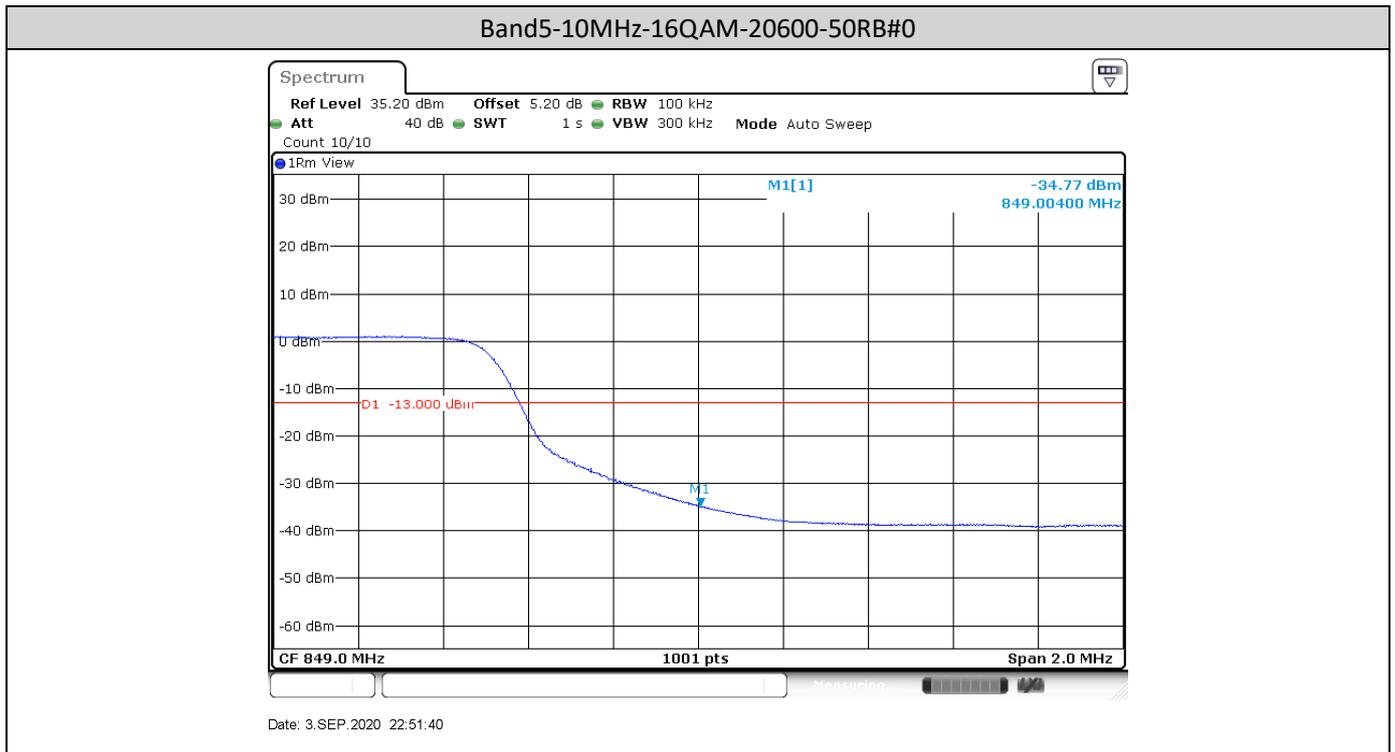


Date: 3.SEP.2020 22:50:59



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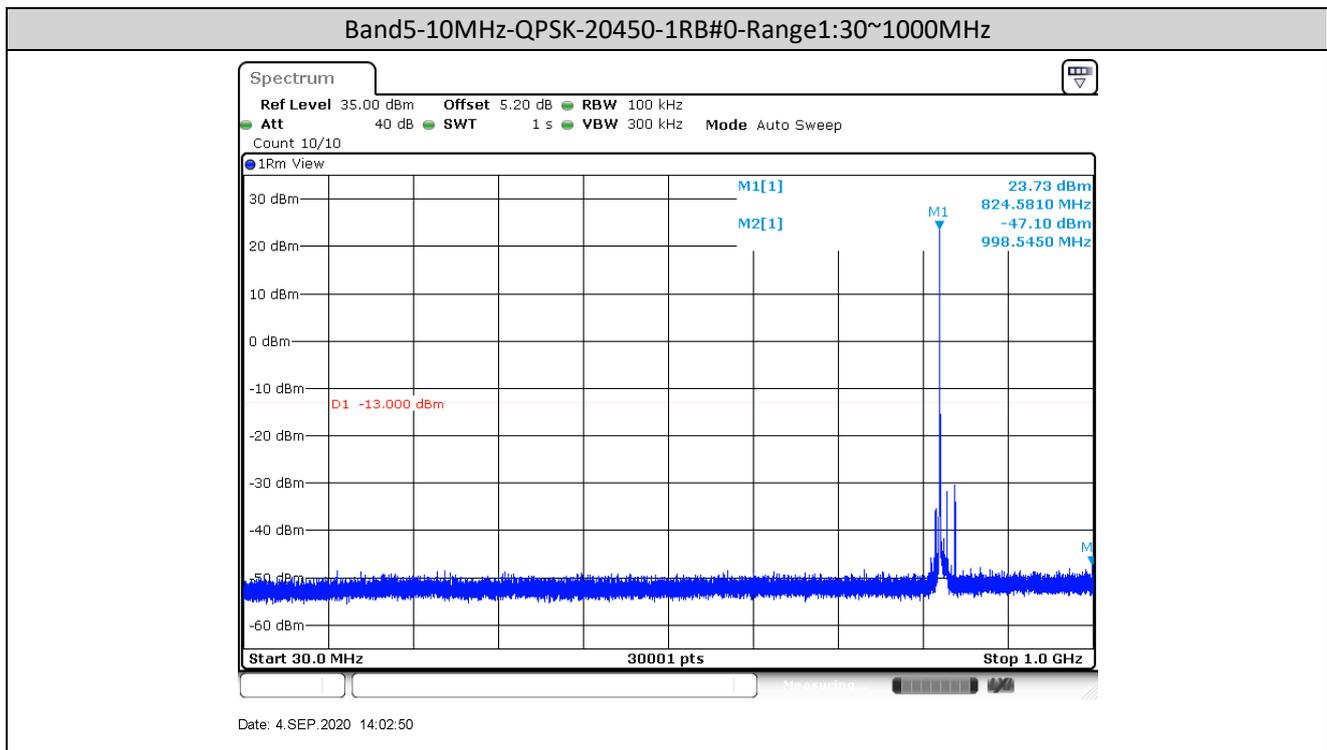
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6. Spurious Emission at Antenna Terminal

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

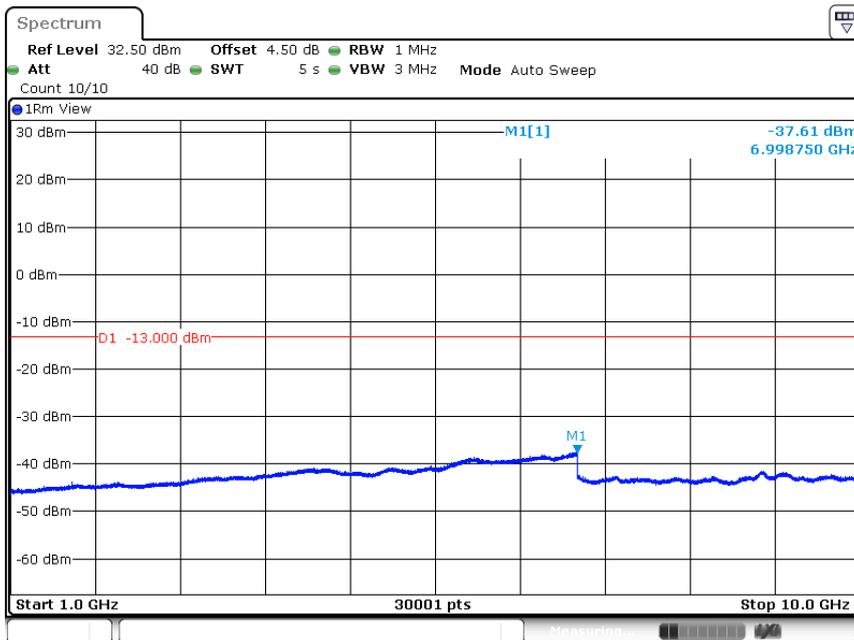
Remark2: only the worst case data displayed in this report.

6.1. Test Plots



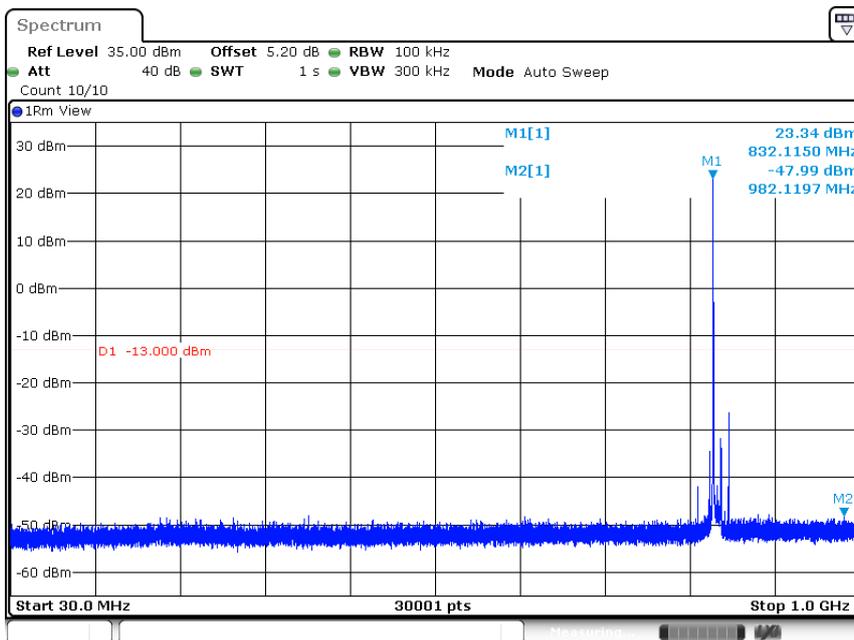
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Band5-10MHz-QPSK-20450-1RB#0-Range1:1000~10000MHz



Date: 3.SEP.2020 22:52:55

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



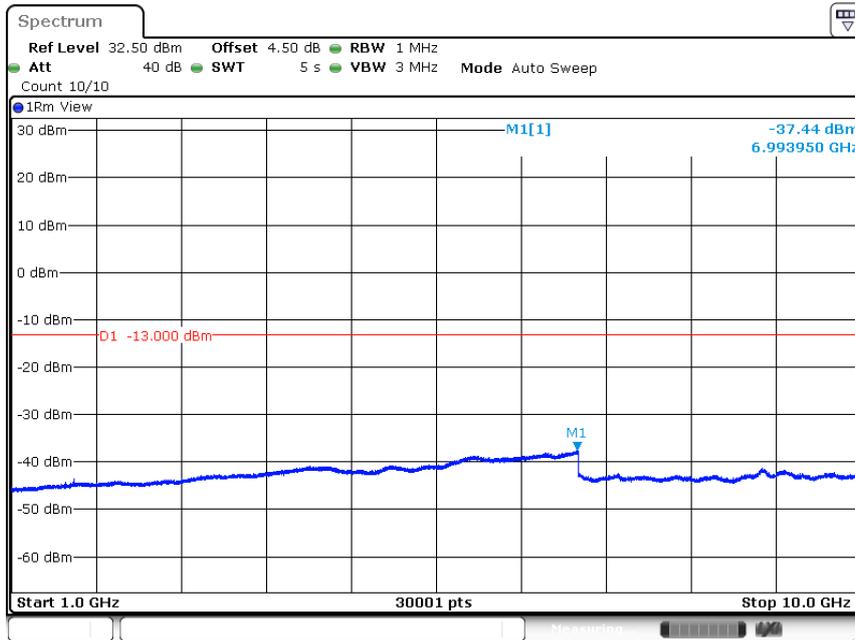
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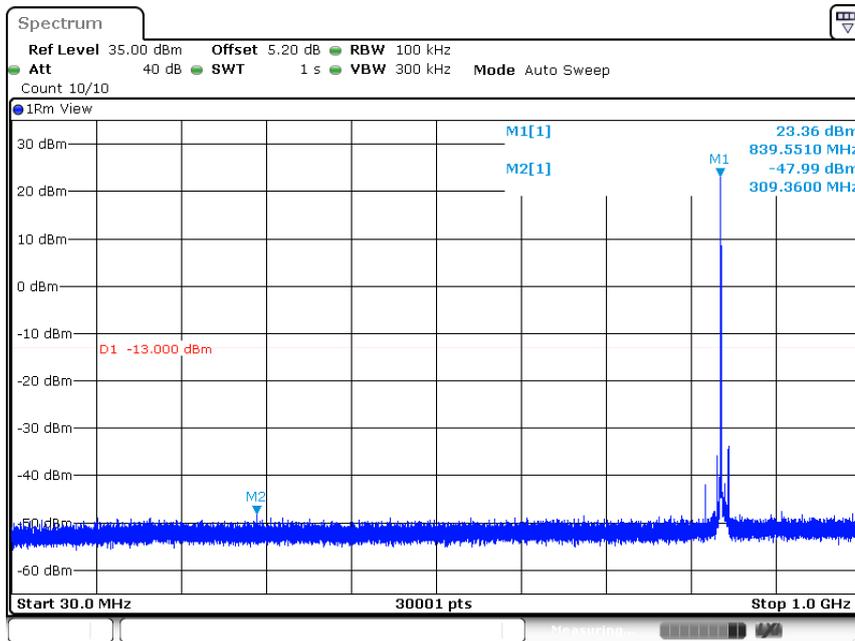
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Band5-10MHz-QPSK-20525-1RB#0-Range1:1000~10000MHz



Date: 3.SEP.2020 22:55:17

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



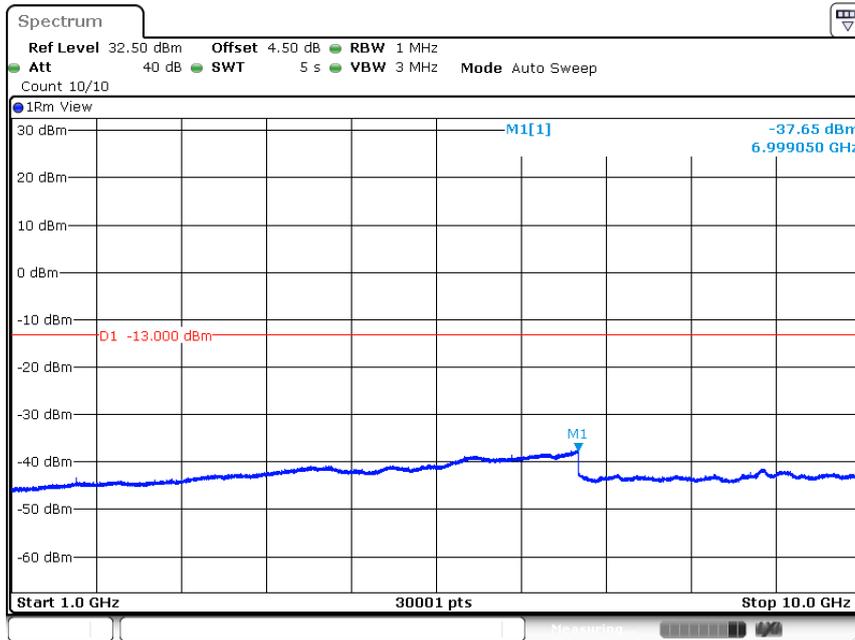
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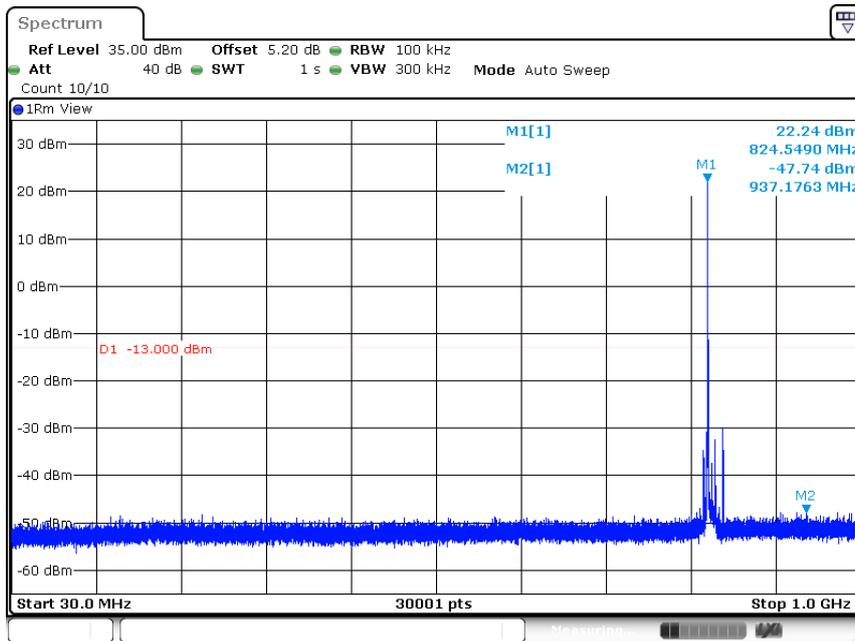
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Band5-10MHz-QPSK-20600-1RB#0-Range1:1000~10000MHz



Date: 3.SEP.2020 22:57:39

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



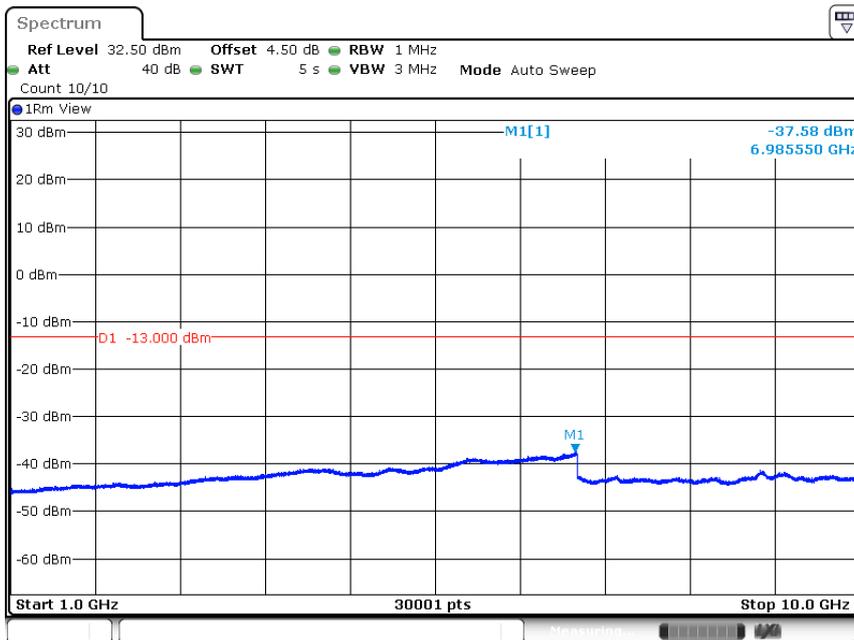
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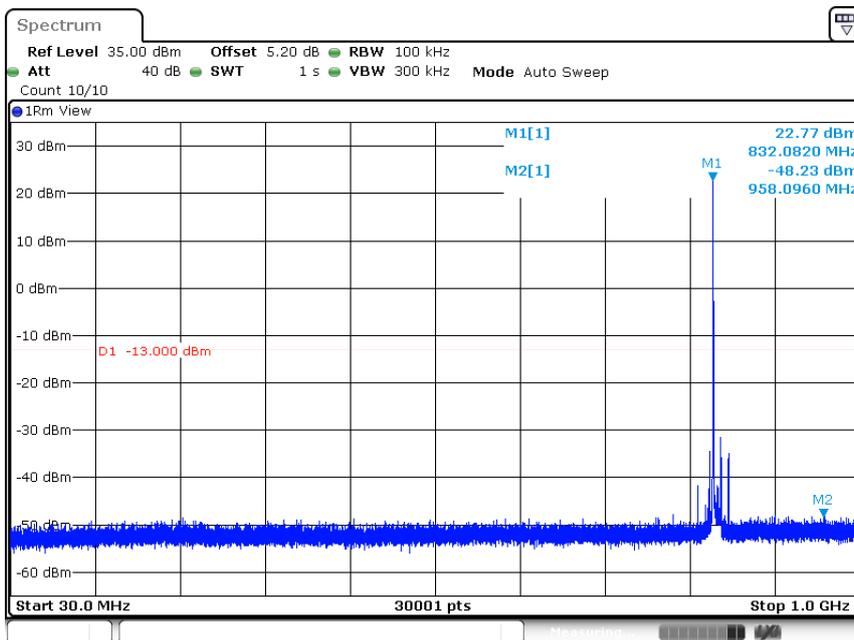
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Band5-10MHz-64QAM-20450-1RB#0-Range1:1000~10000MHz



Date: 4.SEP.2020 00:20:00

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



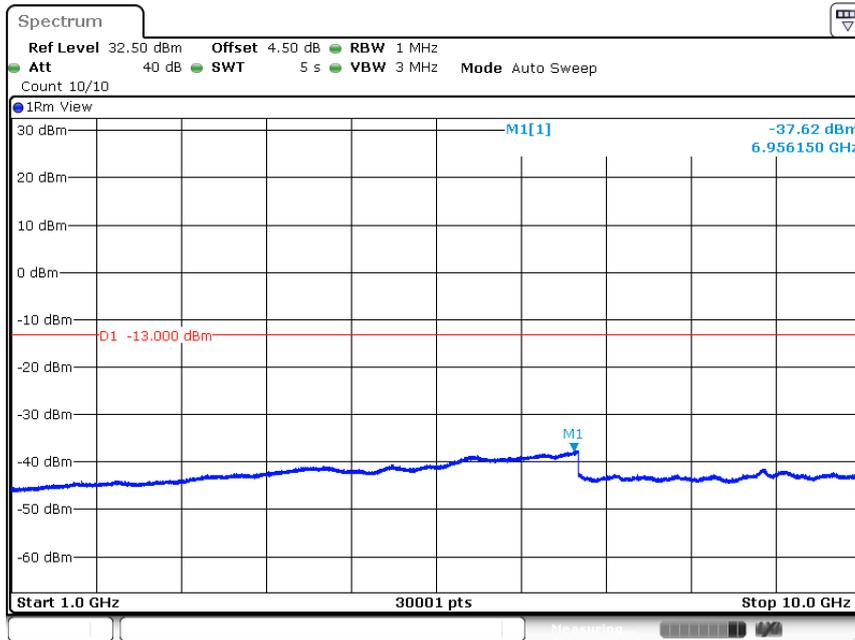
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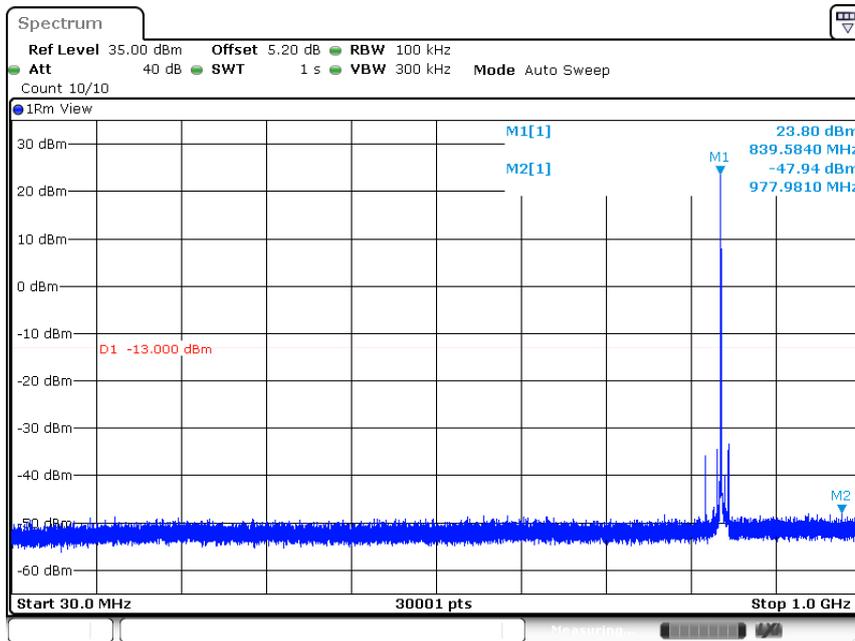
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Band5-10MHz-64QAM-20525-1RB#0-Range1:1000~10000MHz



Date: 4.SEP.2020 00:21:11

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

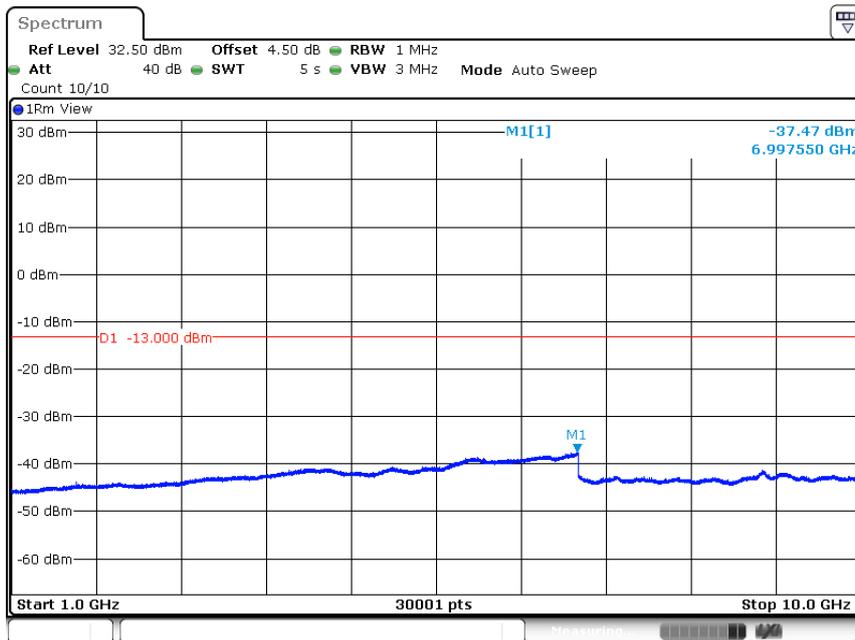


Date: 4.SEP.2020 14:06:20



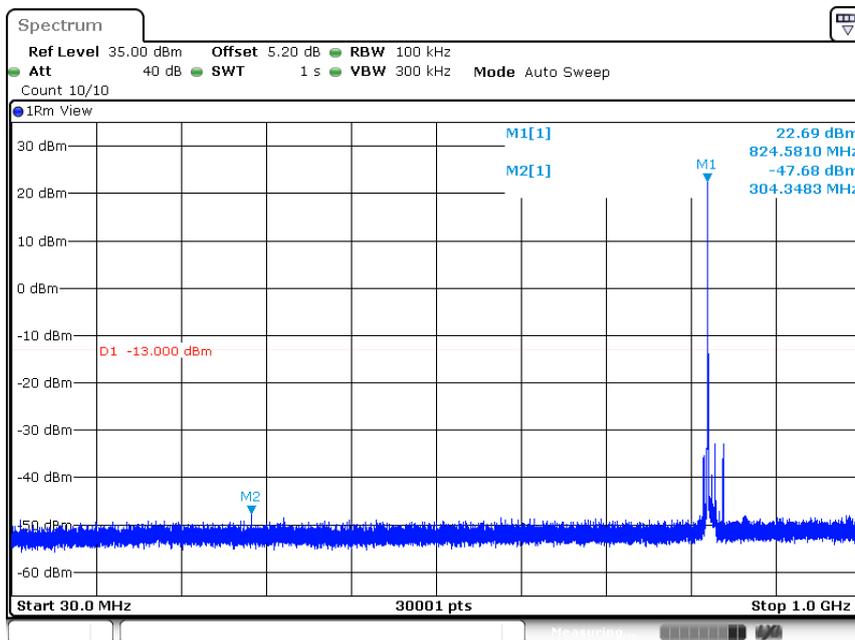
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Band5-10MHz-64QAM-20600-1RB#0-Range1:1000~10000MHz



Date: 4.SEP.2020 00:22:22

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

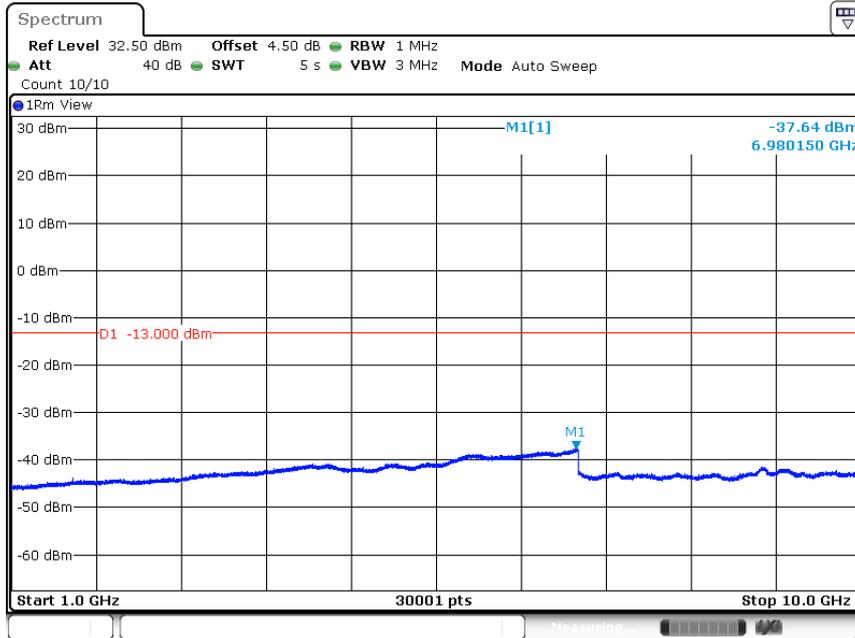


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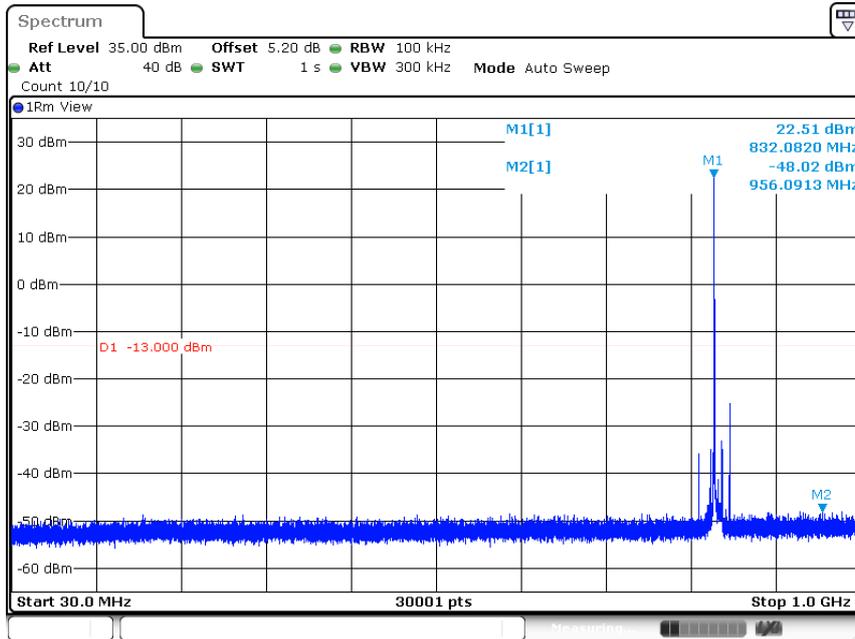
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Band5-10MHz-16QAM-20450-1RB#0-Range1:1000~10000MHz



Date: 3.SEP.2020 22:54:06

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



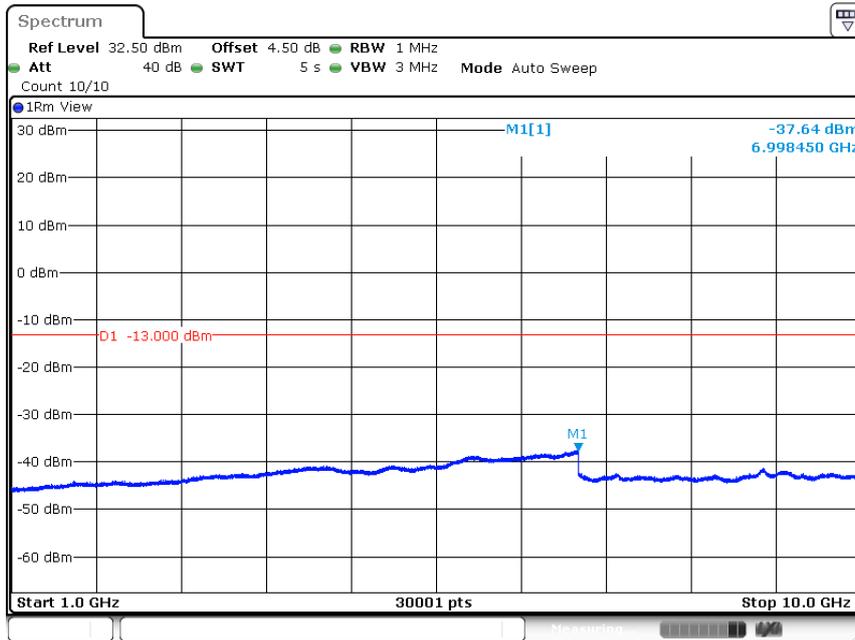
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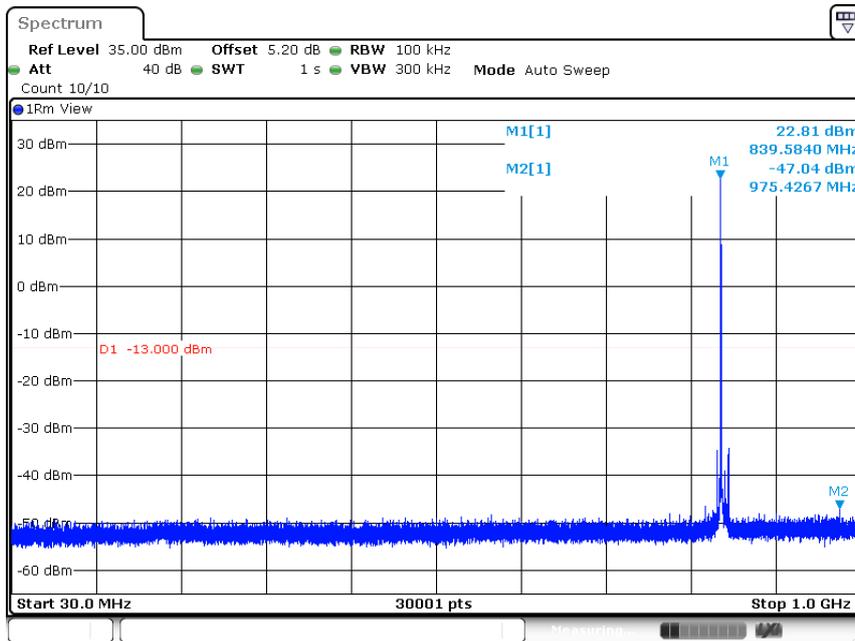
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Date: 3.SEP.2020 22:56:28

Band5-10MHz-16QAM-20600-1RB#0-Range1:30~1000MHz

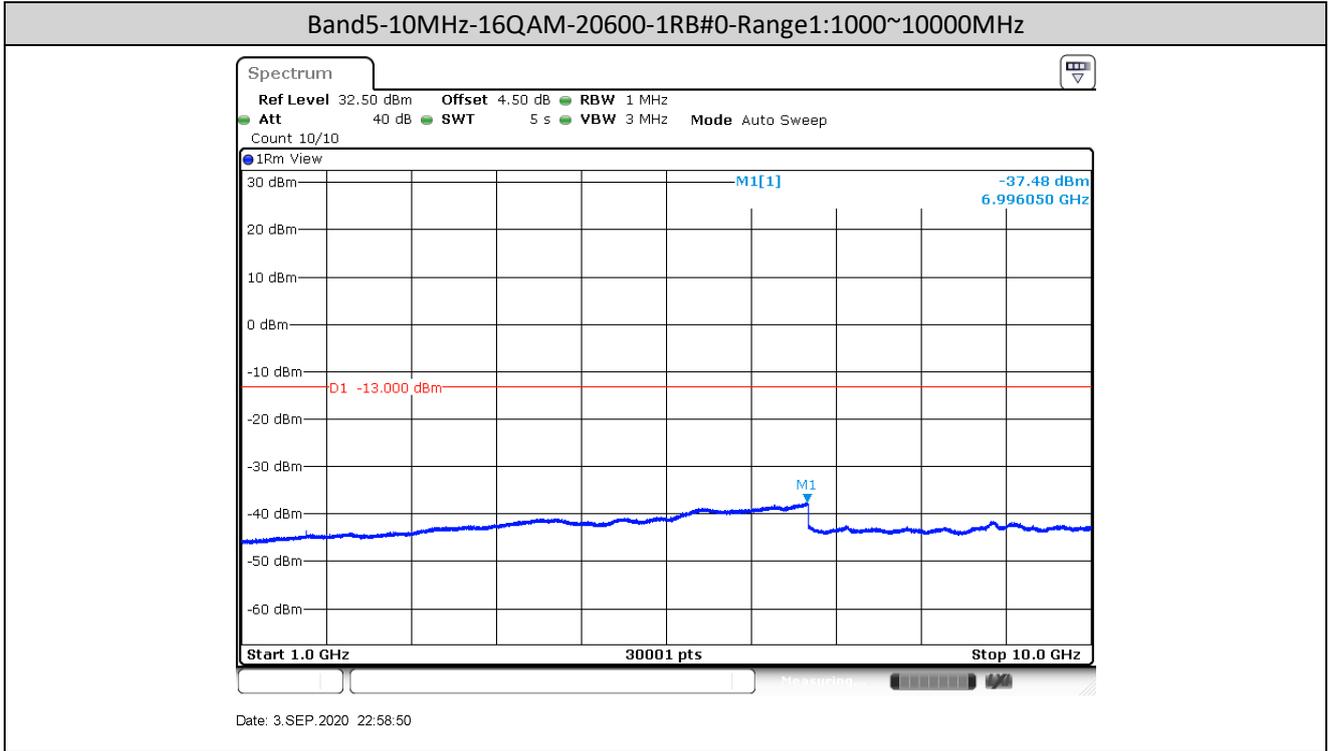


Date: 4.SEP.2020 14:04:28



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7. Field Strength of Spurious Radiation

7.1. Test Mode =LTE/TM1 10MHz

7.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
46.3938	-71.07	-13.00	58.07	Vertical
111.2901	-62.72	-13.00	49.72	Vertical
283.1342	-67.12	-13.00	54.12	Vertical
1748.1496	-62.93	-13.00	49.93	Vertical
2439.0878	-57.33	-13.00	44.33	Vertical
7417.6139	-55.68	-13.00	42.68	Vertical
45.8118	-62.54	-13.00	49.54	Horizontal
77.0474	-72.61	-13.00	59.61	Horizontal
235.3593	-65.20	-13.00	52.20	Horizontal
1648.9298	-64.24	-13.00	51.24	Horizontal
2699.9400	-55.74	-13.00	42.74	Horizontal
9303.2434	-52.40	-13.00	39.40	Horizontal

7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
47.3154	-69.98	-13.00	56.98	Vertical
112.4056	-62.56	-13.00	49.56	Vertical
383.3402	-65.91	-13.00	52.91	Vertical
1778.5557	-62.87	-13.00	49.87	Vertical
2464.6929	-56.12	-13.00	43.12	Vertical
7460.0820	-55.69	-13.00	42.69	Vertical
42.9016	-61.92	-13.00	48.92	Horizontal
105.1788	-72.95	-13.00	59.95	Horizontal
242.9256	-65.46	-13.00	52.46	Horizontal
1664.1328	-60.60	-13.00	47.60	Horizontal
2699.5399	-56.24	-13.00	43.24	Horizontal
7467.3156	-56.32	-13.00	43.32	Horizontal



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7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
53.8632	-69.46	-13.00	56.46	Vertical
121.4756	-62.99	-13.00	49.99	Vertical
358.5554	-66.20	-13.00	53.20	Vertical
1682.1364	-64.59	-13.00	51.59	Vertical
2698.3397	-57.39	-13.00	44.39	Vertical
9796.2932	-52.13	-13.00	39.13	Vertical
44.8902	-61.95	-13.00	48.95	Horizontal
109.0105	-73.00	-13.00	60.00	Horizontal
243.0712	-65.71	-13.00	52.71	Horizontal
1924.1848	-61.67	-13.00	48.67	Horizontal
2701.5403	-56.19	-13.00	43.19	Horizontal
7459.6153	-56.11	-13.00	43.11	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
Band5	10MHz	QPSK	20450	50RB#0	VL	NT	0.70	0.000844	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	VN	NT	-0.40	-0.000483	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	VH	NT	-0.30	-0.000362	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VL	NT	-1.30	-0.001554	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VN	NT	-0.10	-0.000120	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	-0.70	-0.000837	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VL	NT	-1.10	-0.001303	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VN	NT	-1.70	-0.002014	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VH	NT	-0.40	-0.000474	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	VL	NT	1.30	0.001568	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	VN	NT	-1.50	-0.001809	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	VH	NT	0.20	0.000241	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	VL	NT	-1.40	-0.001674	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	VN	NT	-0.90	-0.001076	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	VH	NT	-1.70	-0.002032	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	VL	NT	-1.30	-0.001540	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	VN	NT	-2.00	-0.002370	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	VH	NT	0.50	0.000592	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VL	NT	0.00	0.000000	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VN	NT	-0.50	-0.000603	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VH	NT	-0.70	-0.000844	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VL	NT	-0.70	-0.000837	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VN	NT	0.60	0.000717	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VH	NT	0.60	0.000717	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VL	NT	-0.80	-0.000948	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VN	NT	-1.40	-0.001659	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VH	NT	-0.80	-0.000948	±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
Band5	10MHz	QPSK	20450	50RB#0	NV	-30	-0.70	-0.000844	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-20	0.40	0.000483	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-10	0.20	0.000241	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	0	-0.60	-0.000724	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	10	-0.70	-0.000844	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	20	1.10	0.001327	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	30	0.70	0.000844	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	40	0.10	0.000121	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	50	0.40	0.000483	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-30	0.80	0.000956	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	-2.80	-0.003347	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-10	-0.60	-0.000717	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	-1.80	-0.002152	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	-3.40	-0.004065	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	-0.30	-0.000359	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	-1.80	-0.002152	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	-0.70	-0.000837	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	-0.70	-0.000837	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-30	-0.90	-0.001066	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-20	-1.10	-0.001303	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-10	-2.60	-0.003081	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	0	0.80	0.000948	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	10	0.50	0.000592	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	20	0.20	0.000237	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	30	-0.50	-0.000592	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	40	-0.70	-0.000829	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	50	-1.10	-0.001303	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	-30	-0.40	-0.000483	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	-20	-0.30	-0.000362	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	-10	0.80	0.000965	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	0	-0.40	-0.000483	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	10	-1.30	-0.001568	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	20	-0.20	-0.000241	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	30	-1.80	-0.002171	±2.5	PASS



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Band5	10MHz	64QAM	20450	50RB#0	NV	50	1.10	0.001327	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	-30	0.80	0.000956	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	-20	-1.10	-0.001315	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	-10	-0.30	-0.000359	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	0	-0.50	-0.000598	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	10	-0.40	-0.000478	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	20	-0.10	-0.000120	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	30	-0.20	-0.000239	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	40	-2.40	-0.002869	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	50	-0.80	-0.000956	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	-30	0.20	0.000237	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	-20	-1.30	-0.001540	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	-10	-0.80	-0.000948	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	0	0.10	0.000118	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	10	-1.40	-0.001659	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	20	0.70	0.000829	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	30	-0.80	-0.000948	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	40	-1.30	-0.001540	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	50	-1.80	-0.002133	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	-30	0.90	0.001086	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	-20	1.40	0.001689	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	-10	-1.00	-0.001206	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	0	-2.70	-0.003257	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	10	-2.00	-0.002413	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	20	-1.10	-0.001327	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	30	0.50	0.000603	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	40	-0.50	-0.000603	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	50	-0.20	-0.000241	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	-30	-2.40	-0.002869	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	-20	-1.80	-0.002152	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	-10	-0.50	-0.000598	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	0	-1.50	-0.001793	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	10	0.10	0.000120	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	20	-0.90	-0.001076	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	30	0.90	0.001076	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	40	-1.70	-0.002032	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	50	-0.10	-0.000120	±2.5	PASS



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Band5	10MHz	16QAM	20600	50RB#0	NV	-30	-1.10	-0.001303	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	-20	-1.90	-0.002251	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	-10	-0.20	-0.000237	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	0	0.50	0.000592	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	10	0.10	0.000118	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	20	-0.40	-0.000474	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	30	-0.40	-0.000474	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	40	1.00	0.001185	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	50	-1.80	-0.002133	±2.5	PASS



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