



Appendix B

E-UTRA Band 5



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1 Effective (Isotropic) Radiated Power

1.1. Test Result

ANT4:

Band	Bandwidth h	Modulation	Channel	RB Config.	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.40	17.05	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.46	17.11	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.43	17.08	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	23.41	17.06	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	23.43	17.08	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	23.41	17.06	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.44	16.09	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.43	17.08	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.46	17.11	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.39	17.04	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	23.44	17.09	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	23.42	17.07	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	23.41	17.06	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.44	16.09	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.36	17.01	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.36	17.01	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.31	16.96	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	23.36	17.01	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	23.36	17.01	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	23.35	17.00	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.40	16.05	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.67	16.32	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.73	16.38	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.67	16.32	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	22.46	16.11	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	22.43	16.08	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	22.41	16.06	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.46	15.11	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.65	16.30	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.62	16.27	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.60	16.25	38.45	PASS



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Band5	1.4MHz	16QAM	20525	3RB#0	22.47	16.12	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	22.43	16.08	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	22.43	16.08	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.50	15.15	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.70	16.35	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.61	16.26	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.56	16.21	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	22.41	16.06	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	22.35	16.00	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	22.34	15.99	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.47	15.12	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	21.37	15.02	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#2	21.39	15.04	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#5	21.36	15.01	38.45	PASS
Band5	1.4MHz	64QAM	20407	3RB#0	21.35	15.00	38.45	PASS
Band5	1.4MHz	64QAM	20407	3RB#1	21.36	15.01	38.45	PASS
Band5	1.4MHz	64QAM	20407	3RB#3	21.38	15.03	38.45	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	20.40	14.05	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	21.38	15.03	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#2	21.38	15.03	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#5	21.38	15.03	38.45	PASS
Band5	1.4MHz	64QAM	20525	3RB#0	21.39	15.04	38.45	PASS
Band5	1.4MHz	64QAM	20525	3RB#1	21.38	15.03	38.45	PASS
Band5	1.4MHz	64QAM	20525	3RB#3	21.38	15.03	38.45	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	20.36	14.01	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	21.32	14.97	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#2	21.34	14.99	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#5	21.27	14.92	38.45	PASS
Band5	1.4MHz	64QAM	20643	3RB#0	21.34	14.99	38.45	PASS
Band5	1.4MHz	64QAM	20643	3RB#1	21.29	14.94	38.45	PASS
Band5	1.4MHz	64QAM	20643	3RB#3	21.30	14.95	38.45	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	20.31	13.96	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.41	17.06	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.49	17.14	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.45	17.10	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#0	22.53	16.18	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#4	22.52	16.17	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#7	22.39	16.04	38.45	PASS



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Band5	3MHz	QPSK	20415	15RB#0	22.44	16.09	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.57	17.22	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.39	17.04	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.44	17.09	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#0	22.40	16.05	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#4	22.50	16.15	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.39	16.04	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.53	16.18	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.44	17.09	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.33	16.98	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.44	17.09	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#0	22.38	16.03	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#4	22.42	16.07	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.46	16.11	38.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.42	16.07	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.72	16.37	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.57	16.22	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.69	16.34	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#0	21.56	15.21	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#4	21.52	15.17	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#7	21.35	15.00	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.51	15.16	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.80	16.45	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.77	16.42	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.79	16.44	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#0	21.44	15.09	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#4	21.44	15.09	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#7	21.50	15.15	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.48	15.13	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.60	16.25	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.59	16.24	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.59	16.24	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#0	21.41	15.06	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#4	21.37	15.02	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#7	21.44	15.09	38.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.39	15.04	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#0	21.39	15.04	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#8	21.41	15.06	38.45	PASS



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Band5	3MHz	64QAM	20415	1RB#14	21.37	15.02	38.45	PASS
Band5	3MHz	64QAM	20415	8RB#0	20.49	14.14	38.45	PASS
Band5	3MHz	64QAM	20415	8RB#4	20.47	14.12	38.45	PASS
Band5	3MHz	64QAM	20415	8RB#7	20.35	14.00	38.45	PASS
Band5	3MHz	64QAM	20415	15RB#0	20.40	14.05	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#0	21.52	15.17	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#8	21.32	14.97	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#14	21.41	15.06	38.45	PASS
Band5	3MHz	64QAM	20525	8RB#0	20.38	14.03	38.45	PASS
Band5	3MHz	64QAM	20525	8RB#4	20.44	14.09	38.45	PASS
Band5	3MHz	64QAM	20525	8RB#7	20.31	13.96	38.45	PASS
Band5	3MHz	64QAM	20525	15RB#0	20.52	14.17	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#0	21.40	15.05	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#8	21.26	14.91	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#14	21.38	15.03	38.45	PASS
Band5	3MHz	64QAM	20635	8RB#0	20.33	13.98	38.45	PASS
Band5	3MHz	64QAM	20635	8RB#4	20.40	14.05	38.45	PASS
Band5	3MHz	64QAM	20635	8RB#7	20.44	14.09	38.45	PASS
Band5	3MHz	64QAM	20635	15RB#0	20.38	14.03	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.46	17.11	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.56	17.21	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.37	17.02	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#0	22.52	16.17	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#6	22.41	16.06	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#13	22.34	15.99	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.55	16.20	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.46	17.11	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.42	17.07	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.51	17.16	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.48	16.13	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.52	16.17	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.55	16.20	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.44	16.09	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.36	17.01	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.36	17.01	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.37	17.02	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#0	22.33	15.98	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#6	22.36	16.01	38.45	PASS



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Band5	5MHz	QPSK	20625	12RB#13	22.34	15.99	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.38	16.03	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.63	16.28	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.60	16.25	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.57	16.22	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#0	21.48	15.13	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#6	21.43	15.08	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#13	21.47	15.12	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.38	15.03	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.64	16.29	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.71	16.36	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.70	16.35	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#0	21.48	15.13	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#6	21.39	15.04	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#13	21.45	15.10	38.45	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.41	15.06	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.64	16.29	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.71	16.36	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.65	16.30	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#0	21.43	15.08	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#6	21.40	15.05	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#13	21.31	14.96	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.31	14.96	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#0	21.45	15.10	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#12	21.51	15.16	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#24	21.34	14.99	38.45	PASS
Band5	5MHz	64QAM	20425	12RB#0	20.48	14.13	38.45	PASS
Band5	5MHz	64QAM	20425	12RB#6	20.39	14.04	38.45	PASS
Band5	5MHz	64QAM	20425	12RB#13	20.25	13.90	38.45	PASS
Band5	5MHz	64QAM	20425	25RB#0	20.47	14.12	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#0	21.38	15.03	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#12	21.38	15.03	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#24	21.42	15.07	38.45	PASS
Band5	5MHz	64QAM	20525	12RB#0	20.40	14.05	38.45	PASS
Band5	5MHz	64QAM	20525	12RB#6	20.45	14.10	38.45	PASS
Band5	5MHz	64QAM	20525	12RB#13	20.48	14.13	38.45	PASS
Band5	5MHz	64QAM	20525	25RB#0	20.40	14.05	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#0	21.33	14.98	38.45	PASS



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Band5	5MHz	64QAM	20625	1RB#12	21.29	14.94	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#24	21.35	15.00	38.45	PASS
Band5	5MHz	64QAM	20625	12RB#0	20.32	13.97	38.45	PASS
Band5	5MHz	64QAM	20625	12RB#6	20.28	13.93	38.45	PASS
Band5	5MHz	64QAM	20625	12RB#13	20.29	13.94	38.45	PASS
Band5	5MHz	64QAM	20625	25RB#0	20.35	14.00	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.43	17.08	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.46	17.11	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.44	17.09	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.48	16.13	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#12	22.47	16.12	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.43	16.08	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.54	16.19	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.49	17.14	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.50	17.15	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.43	17.08	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.49	16.14	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.43	16.08	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.48	16.13	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.48	16.13	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.43	17.08	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.35	17.00	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.37	17.02	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.42	16.07	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.41	16.06	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#25	22.40	16.05	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.45	16.10	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.68	16.33	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.65	16.30	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.67	16.32	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.52	15.17	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#12	21.47	15.12	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.42	15.07	38.45	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.47	15.12	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.72	16.37	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.73	16.38	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.69	16.34	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.46	15.11	38.45	PASS



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Band5	10MHz	16QAM	20525	25RB#12	21.47	15.12	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#25	21.50	15.15	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.51	15.16	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.63	16.28	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.68	16.33	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.64	16.29	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#0	21.38	15.03	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#12	21.39	15.04	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#25	21.36	15.01	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.38	15.03	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#0	21.37	15.02	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#24	21.45	15.10	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#49	21.41	15.06	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#0	20.48	14.13	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#12	20.39	14.04	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#25	20.36	14.01	38.45	PASS
Band5	10MHz	64QAM	20450	50RB#0	20.47	14.12	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#0	21.42	15.07	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#24	21.43	15.08	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#49	21.38	15.03	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#0	20.45	14.10	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#12	20.38	14.03	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#25	20.47	14.12	38.45	PASS
Band5	10MHz	64QAM	20525	50RB#0	20.45	14.10	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#0	21.36	15.01	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#24	21.29	14.94	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#49	21.35	15.00	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#0	20.38	14.03	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#12	20.34	13.99	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#25	20.34	13.99	38.45	PASS
Band5	10MHz	64QAM	20600	50RB#0	20.37	14.02	38.45	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]

The conducted Power is measured by Base Station Simulator



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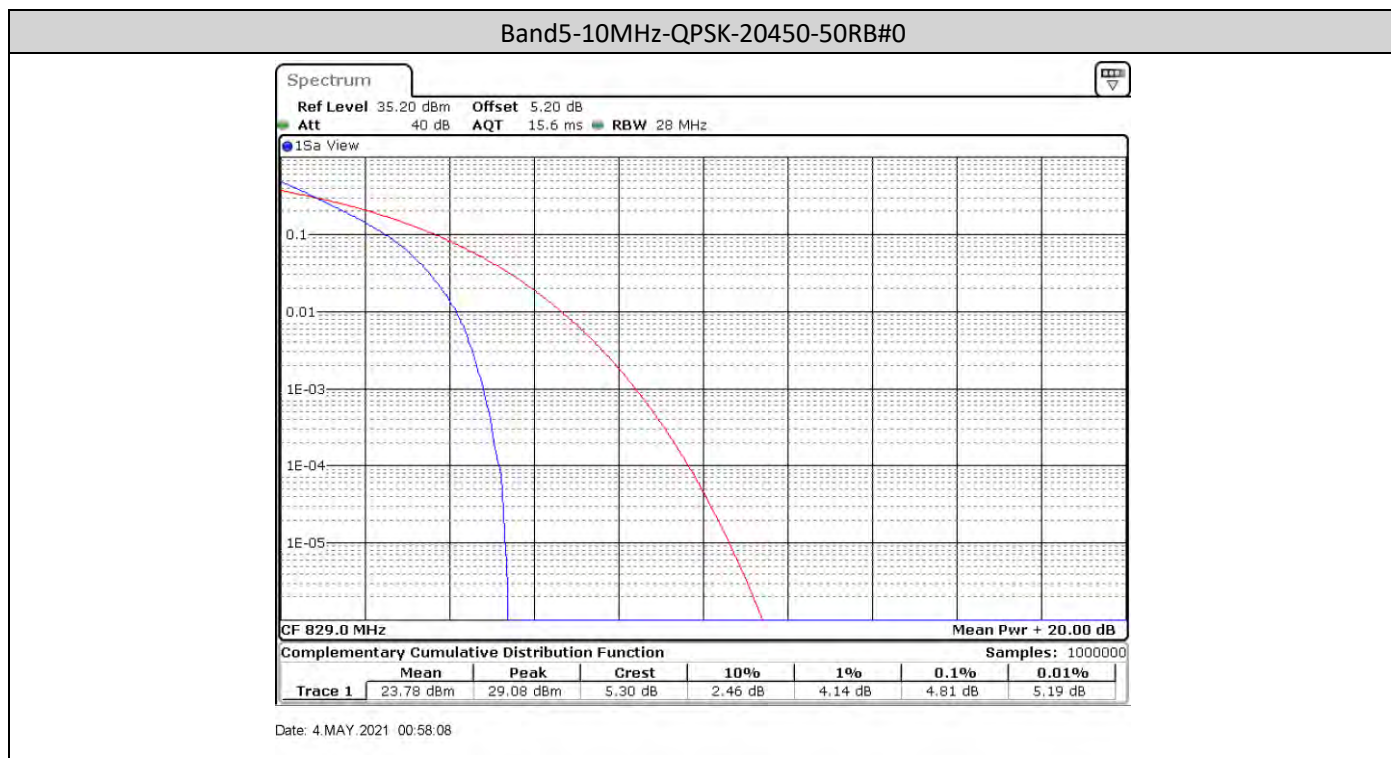


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	10MHz	QPSK	20450	50RB#0	4.81	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.04	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.51	13	PASS
Band5	10MHz	64QAM	20450	50RB#0	6.09	13	PASS
Band5	10MHz	64QAM	20525	50RB#0	6.38	13	PASS
Band5	10MHz	64QAM	20600	50RB#0	6.58	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	5.59	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	5.88	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.20	13	PASS

2.2. Test Plots



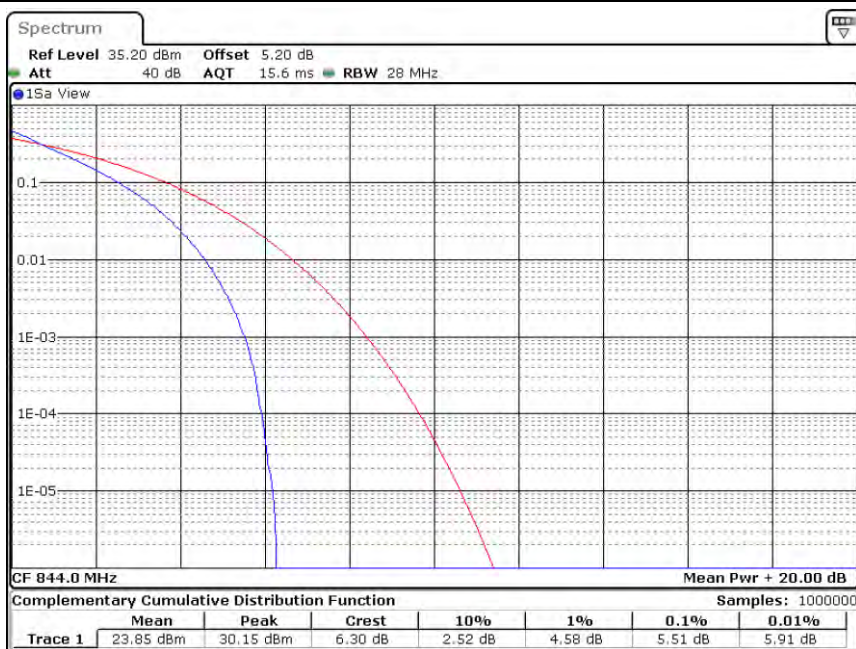


Band5-10MHz-QPSK-20525-50RB#0



Date: 4.MAY.2021 00:58:30

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



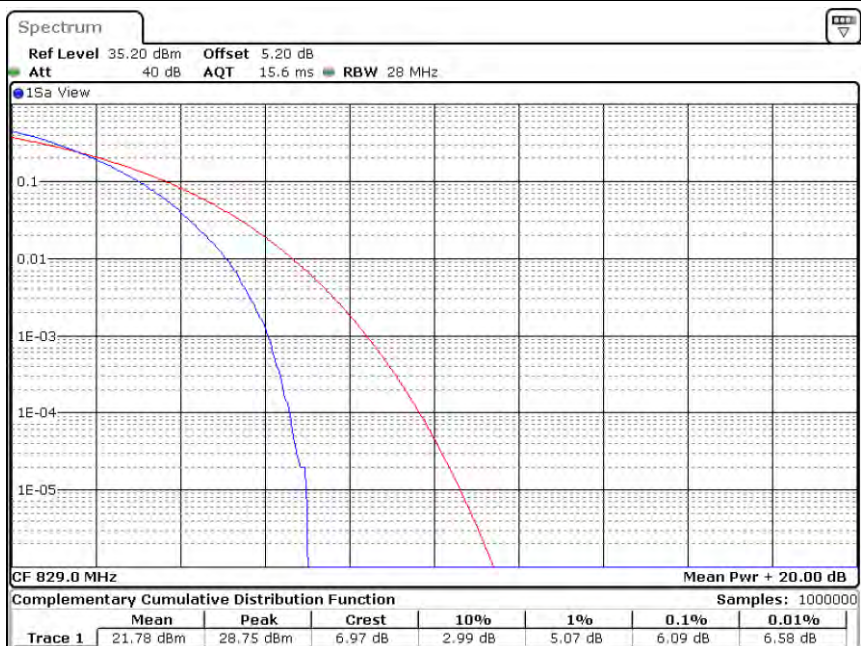
Date: 4.MAY.2021 00:58:53



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



Date: 4.MAY.2021 01:54:54

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



Date: 4.MAY.2021 01:55:06

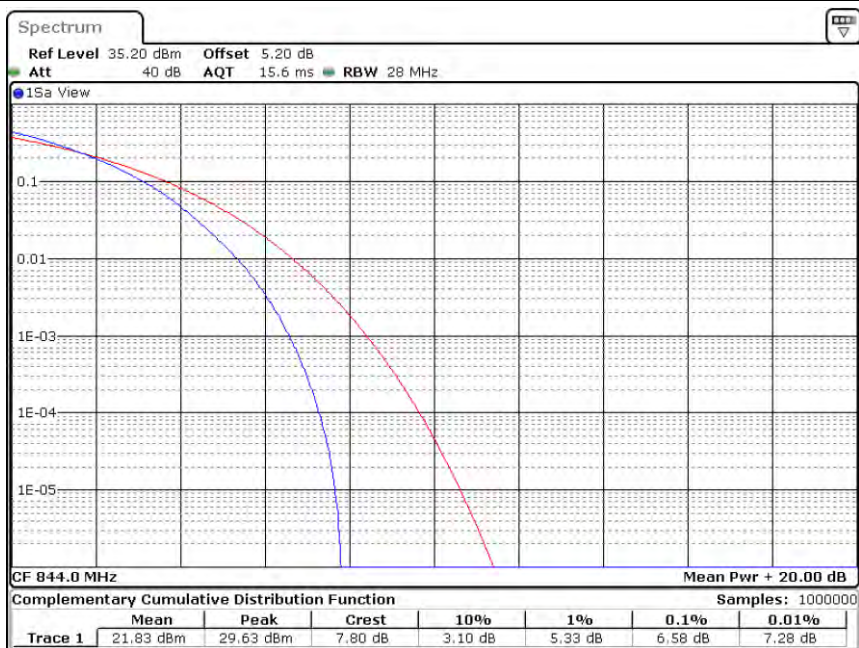


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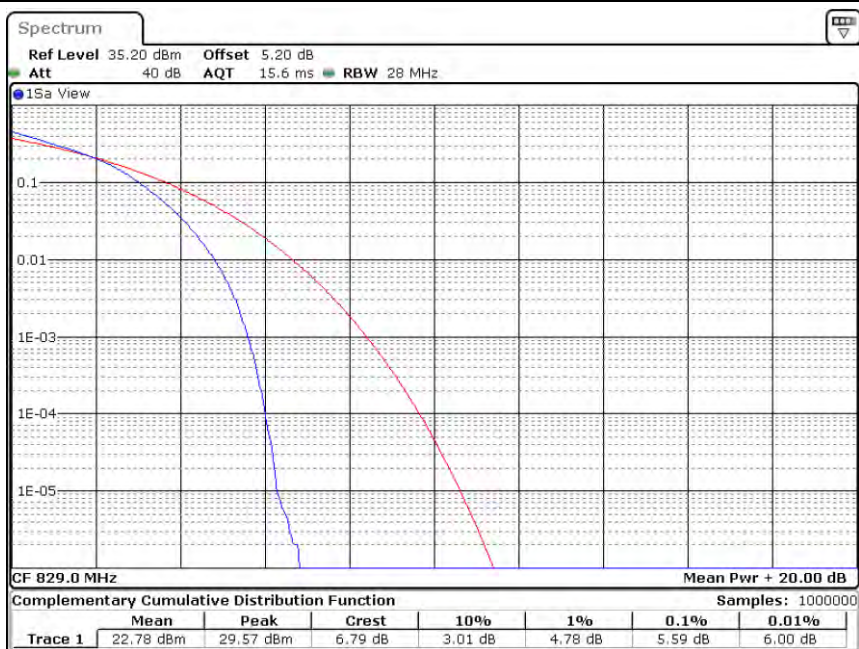


Band5-10MHz-64QAM-20600-50RB#0



Date: 4.MAY.2021 01:55:17

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

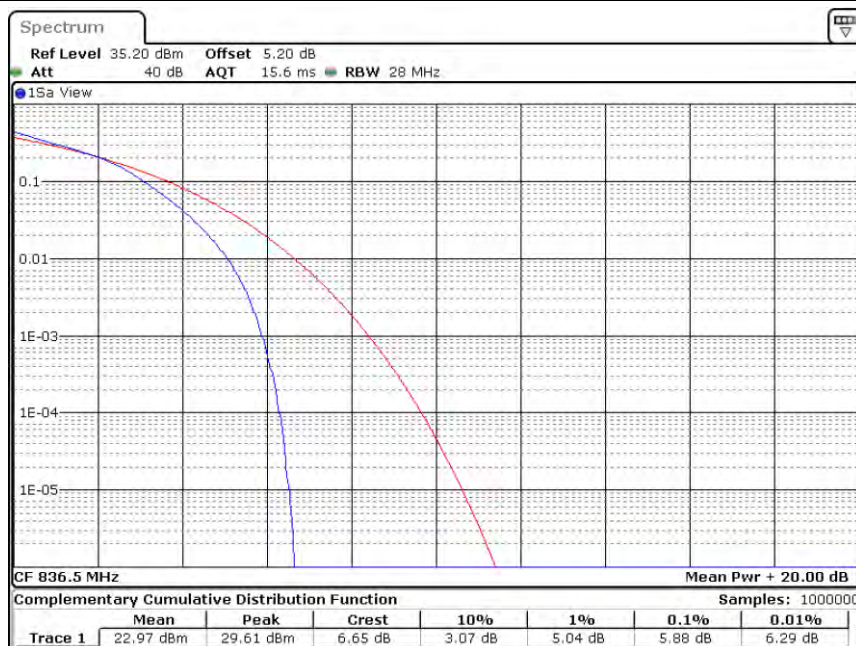


Date: 4.MAY.2021 00:58:19





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



Date: 4 MAY 2021 00:58:41

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



Date: 4 MAY 2021 00:59:04

Remark: all modulation and all Bandwidth had been tested, but only the worst configuration was displayed in this report.



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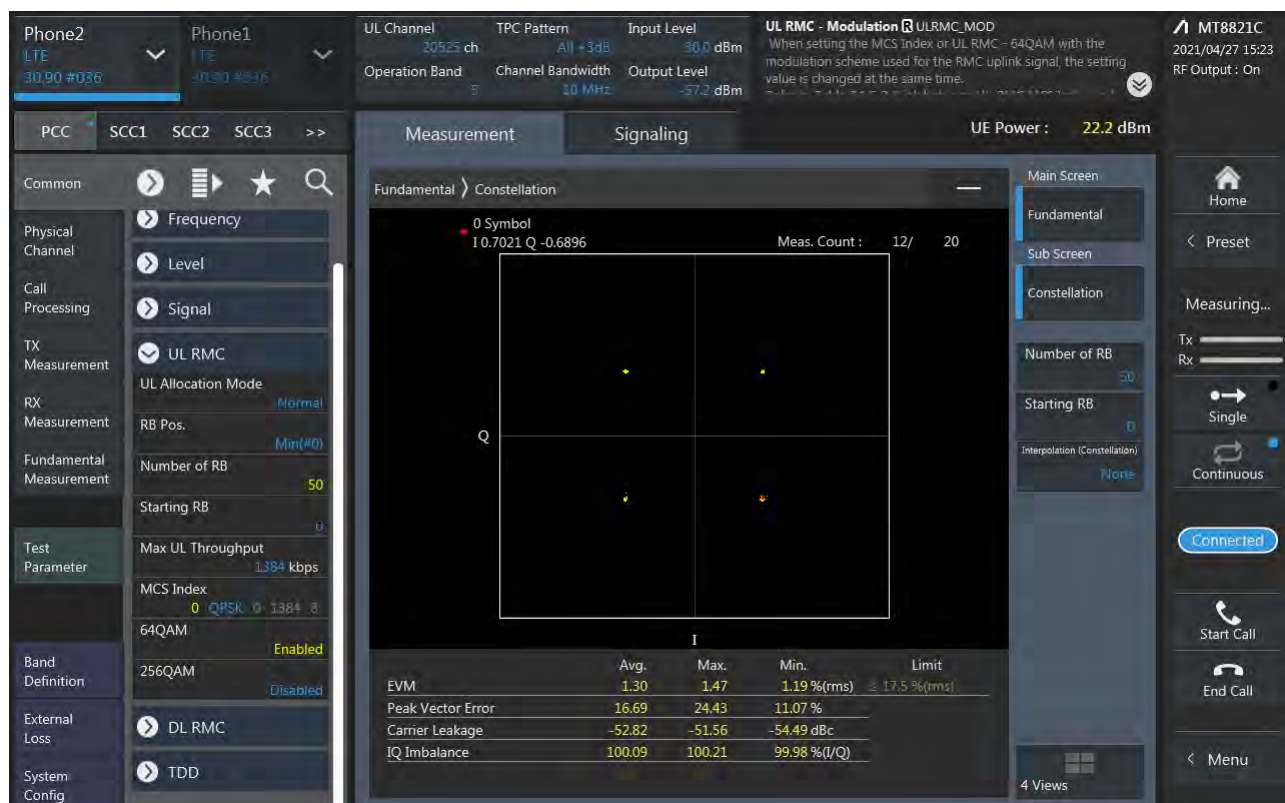
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3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 10MHz

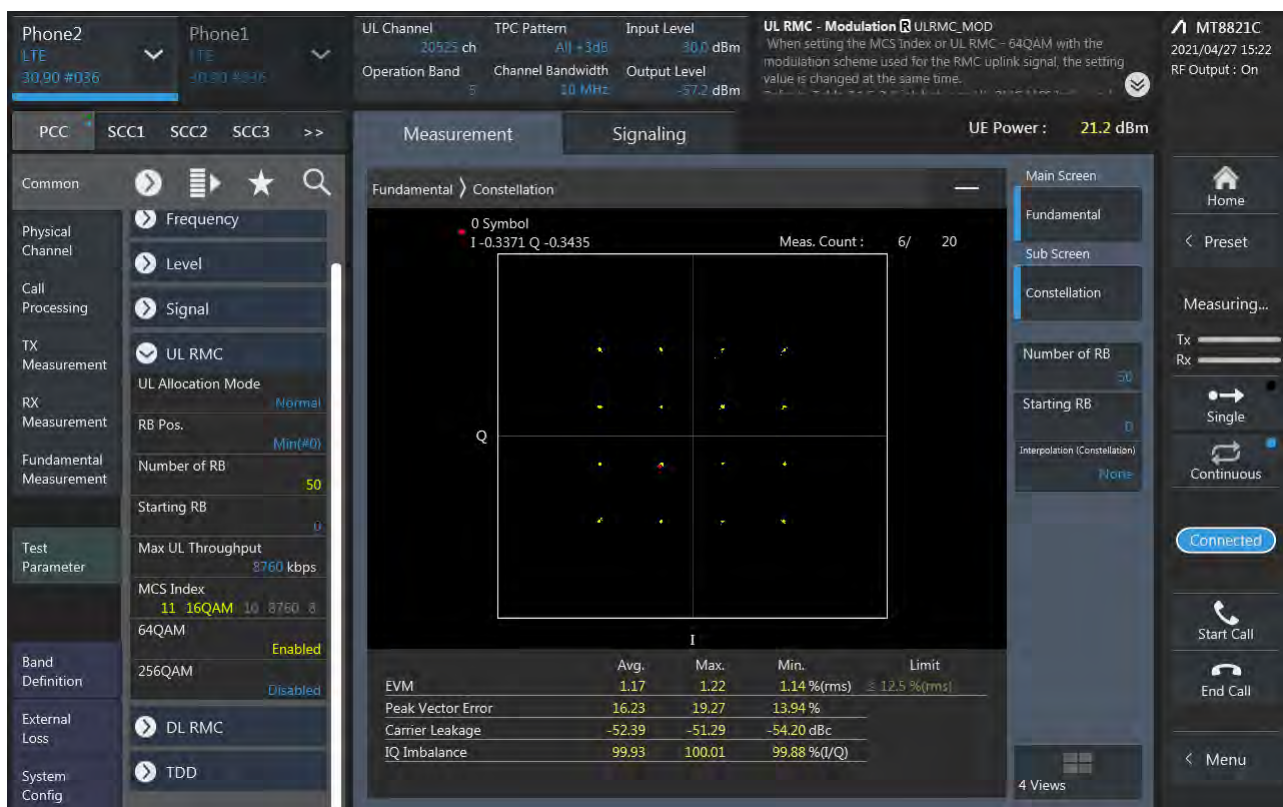
3.1.1. Test Channel = MCH





3.2. Test Mode = LTE /TM2 10MHz

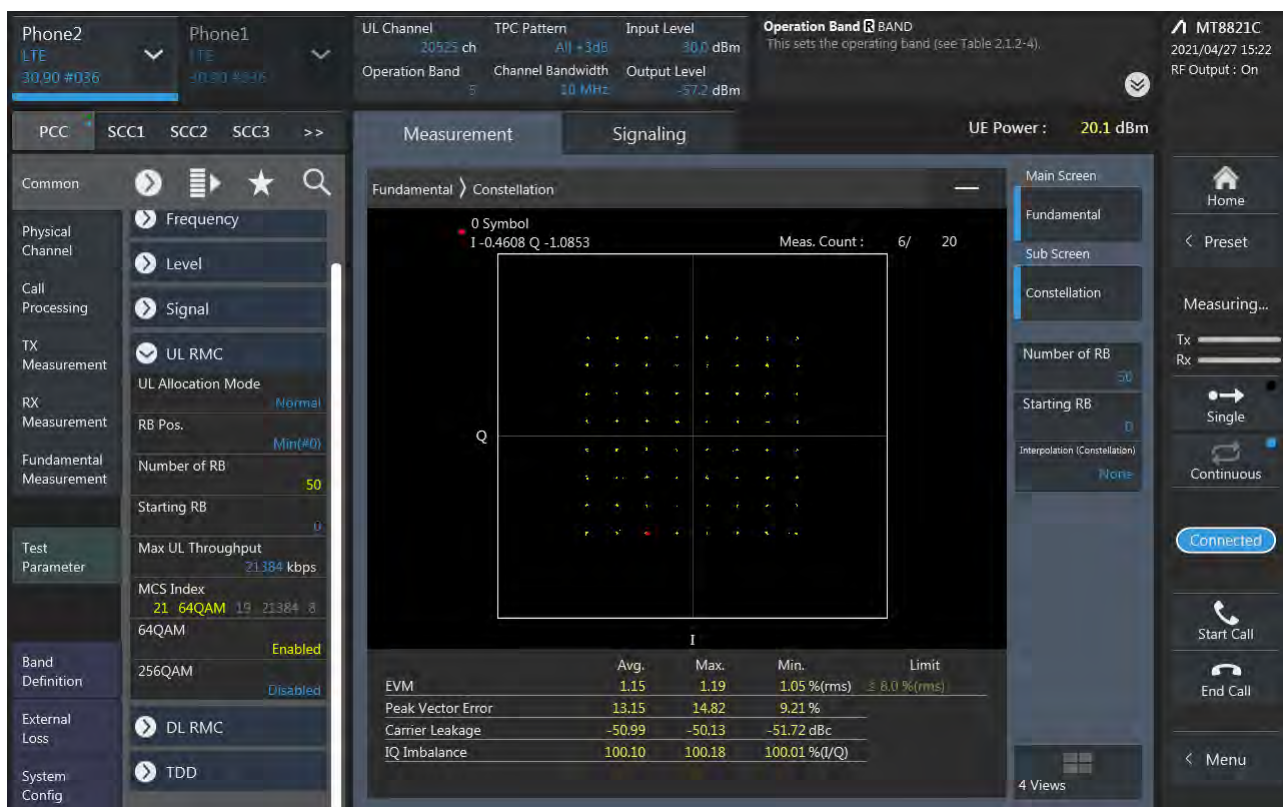
3.2.1. Test Channel = MCH





3.3. Test Mode = LTE /TM3 10MHz

3.3.1. Test Channel = MCH





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	1.284	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.091	1.287	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.091	1.296	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	1.094	1.284	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	1.094	1.284	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	1.094	1.287	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.088	1.290	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.091	1.290	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.091	1.278	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.691	2.946	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.691	2.940	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.691	2.952	PASS
Band5	3MHz	64QAM	20415	15RB#0	2.685	2.928	PASS
Band5	3MHz	64QAM	20525	15RB#0	2.685	2.934	PASS
Band5	3MHz	64QAM	20635	15RB#0	2.685	2.940	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.679	2.928	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.679	2.934	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.679	2.922	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.456	4.860	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.466	4.860	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.476	4.880	PASS
Band5	5MHz	64QAM	20425	25RB#0	4.466	4.850	PASS
Band5	5MHz	64QAM	20525	25RB#0	4.476	4.860	PASS
Band5	5MHz	64QAM	20625	25RB#0	4.476	4.850	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.486	4.910	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.486	4.910	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.486	4.910	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.931	9.620	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.931	9.660	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.911	9.620	PASS
Band5	10MHz	64QAM	20450	50RB#0	8.931	9.580	PASS



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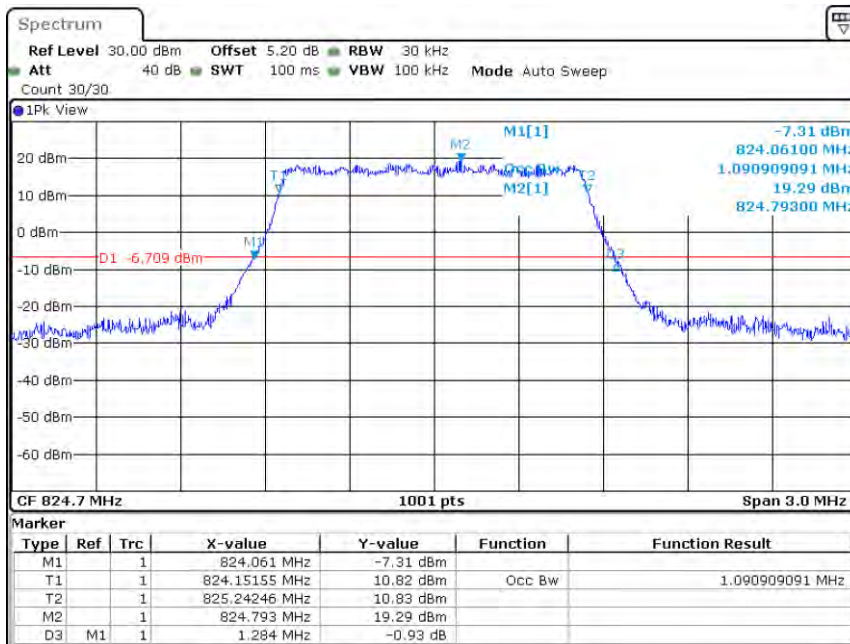
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Band5	10MHz	64QAM	20525	50RB#0	8.951	9.640	PASS
Band5	10MHz	64QAM	20600	50RB#0	8.911	9.520	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.931	9.580	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.931	9.680	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.911	9.640	PASS

4.2. Test Plots

Band5-1.4MHz-QPSK-20407-6RB#0-1.091



Date: 4.MAY.2021 00:36:45



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Shenzhen Branch

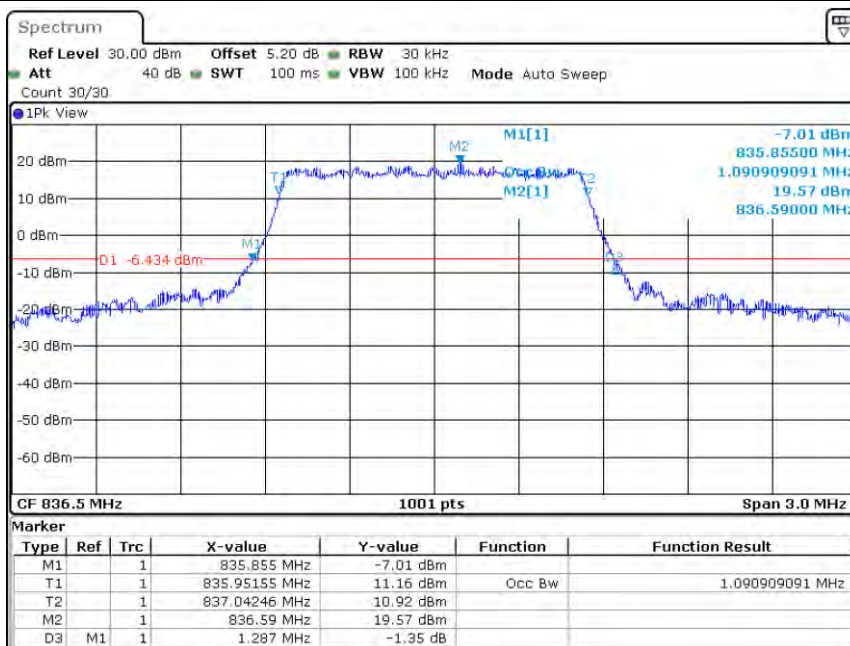
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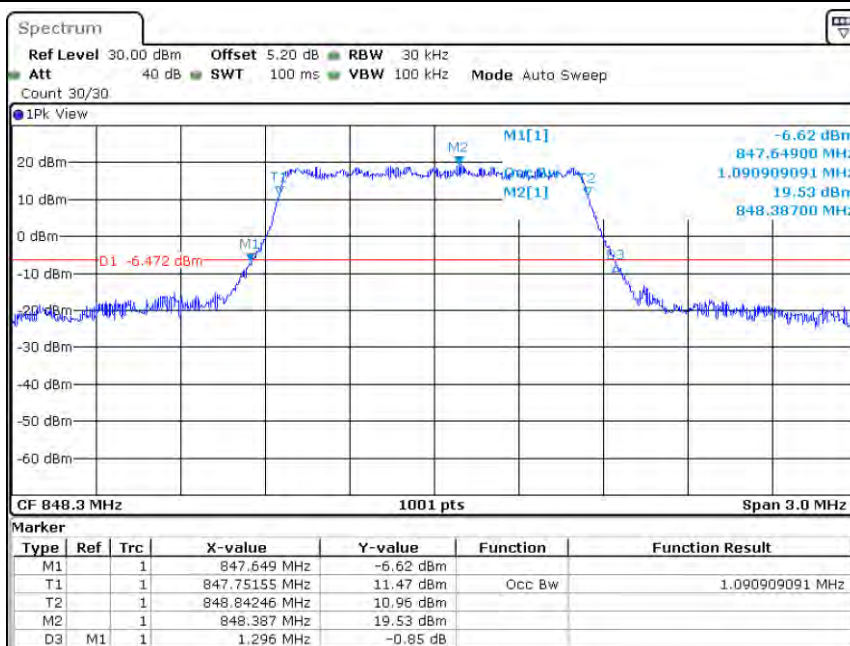


Band5-1.4MHz-QPSK-20525-6RB#0-1.091



Date: 4 MAY 2021 00:37:10

Band5-1.4MHz-QPSK-20643-6RB#0-1.091



Date: 4 MAY 2021 00:37:36

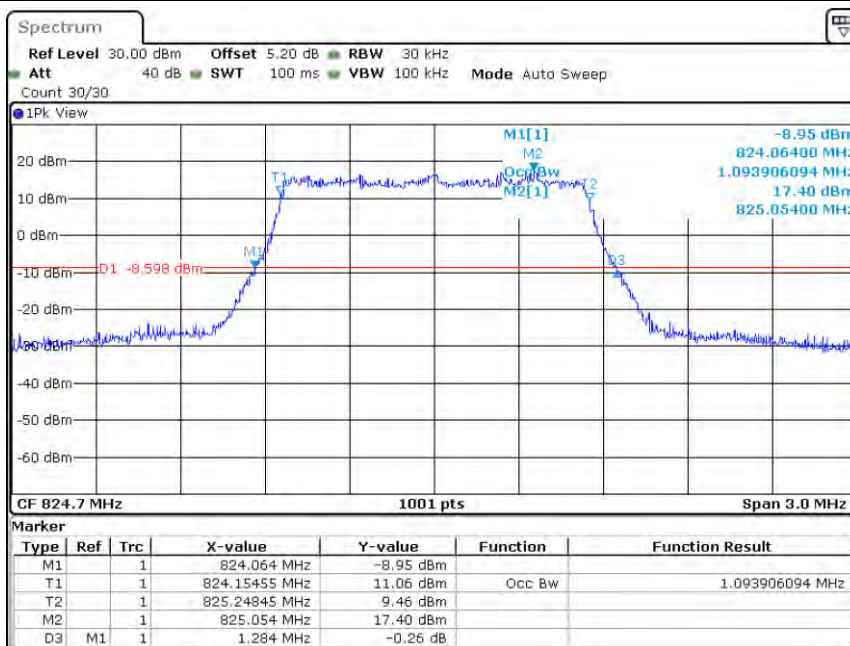


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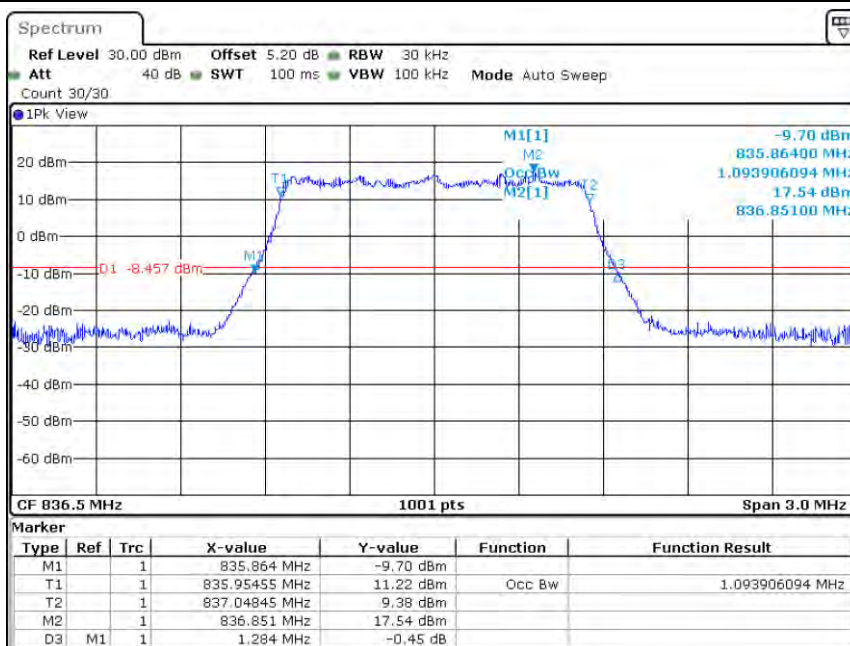


Band5-1.4MHz-64QAM-20407-6RB#0-1.094



Date: 4 MAY 2021 01:43:43

Band5-1.4MHz-64QAM-20525-6RB#0-1.094



Date: 4 MAY 2021 01:43:56

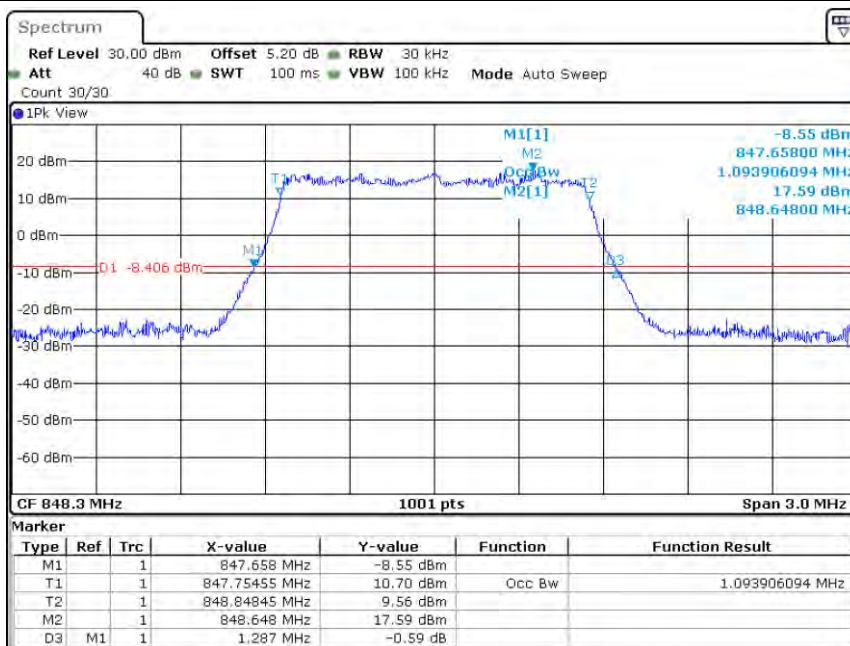


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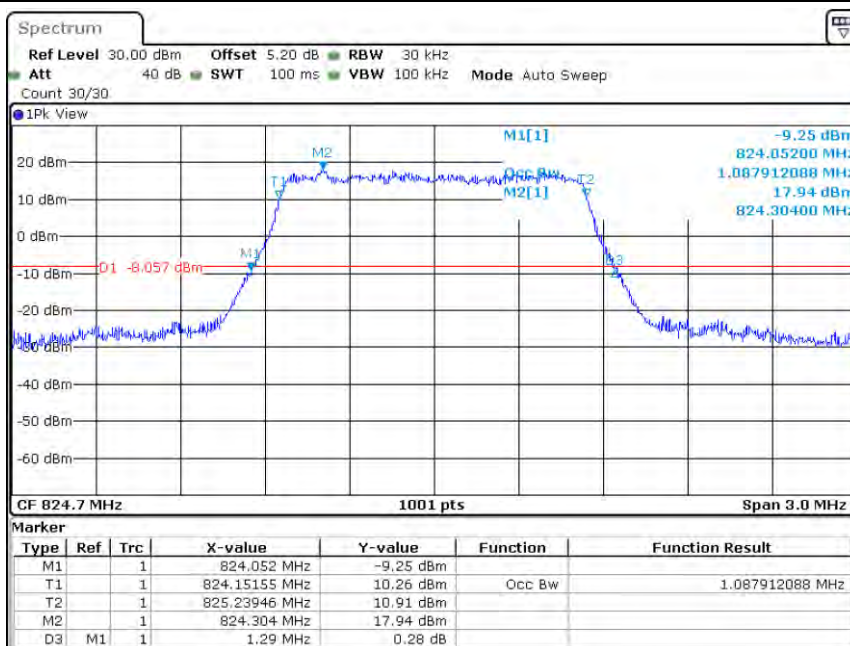


Band5-1.4MHz-64QAM-20643-6RB#0-1.094



Date: 4 MAY 2021 01:44:08

Band5-1.4MHz-16QAM-20407-6RB#0-1.088



Date: 4 MAY 2021 00:36:57

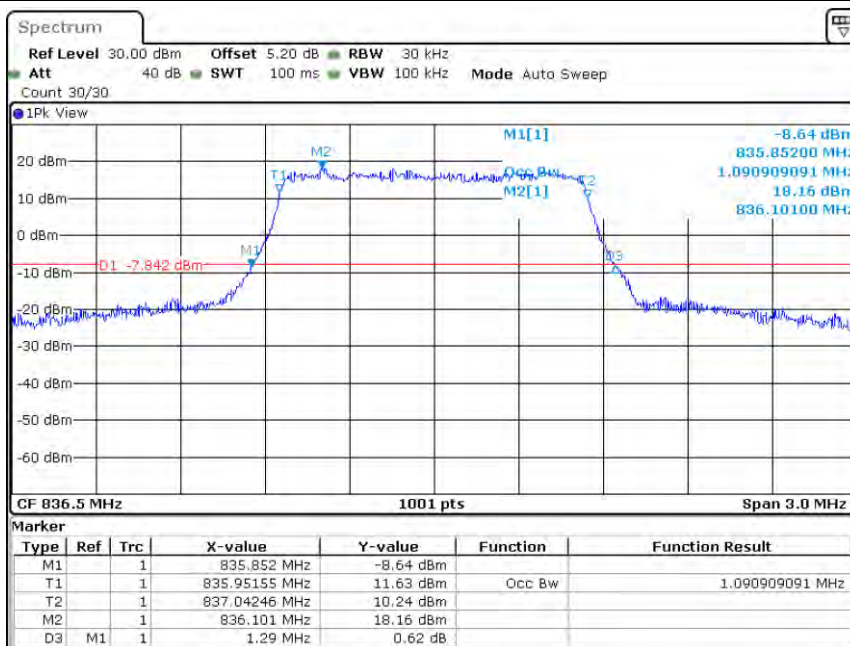


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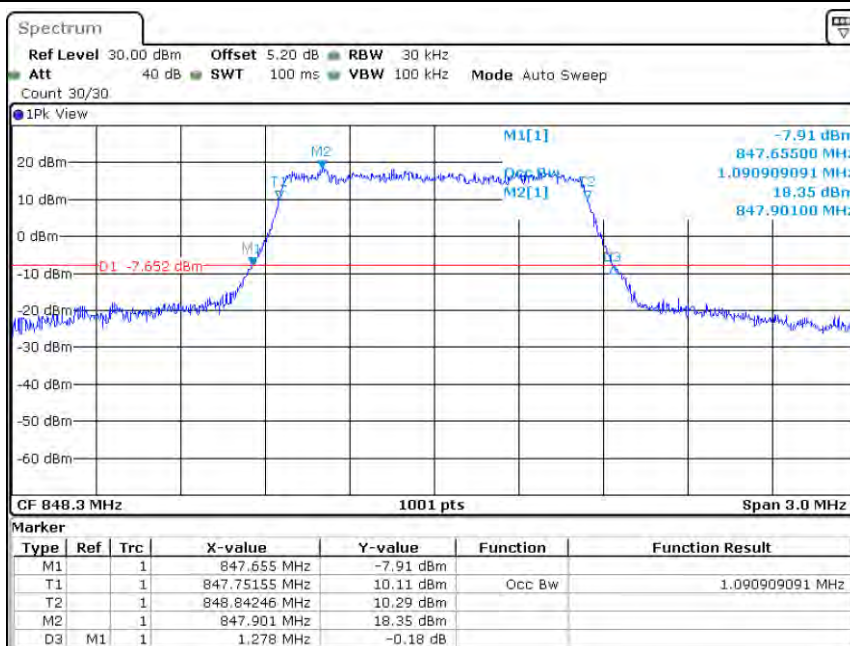


Band5-1.4MHz-16QAM-20525-6RB#0-1.091



Date: 4 MAY 2021 00:37:23

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



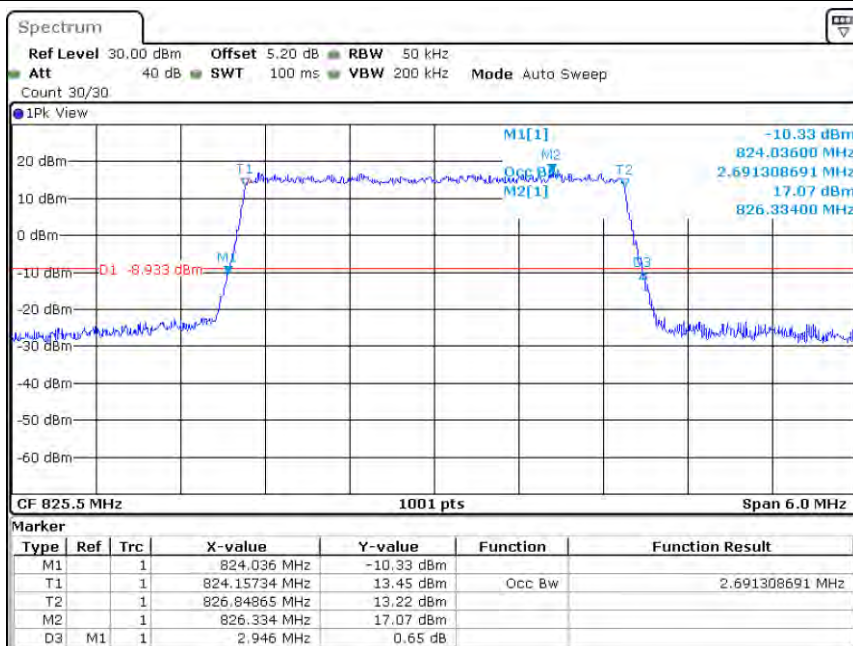
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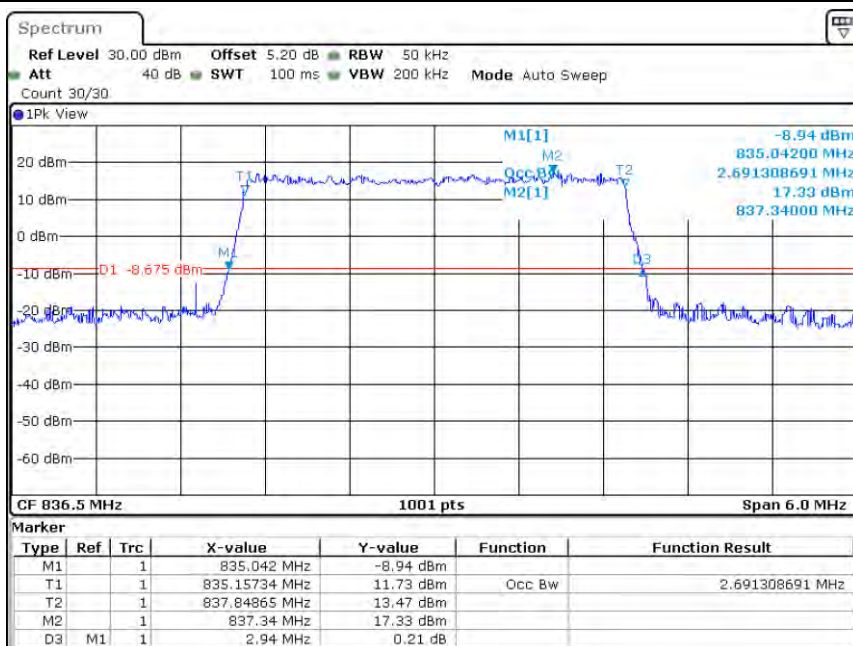
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Band5-3MHz-QPSK-20415-15RB#0-2.691



Date: 4 MAY 2021 00:38:06

Band5-3MHz-QPSK-20525-15RB#0-2.691



Date: 4 MAY 2021 00:38:32



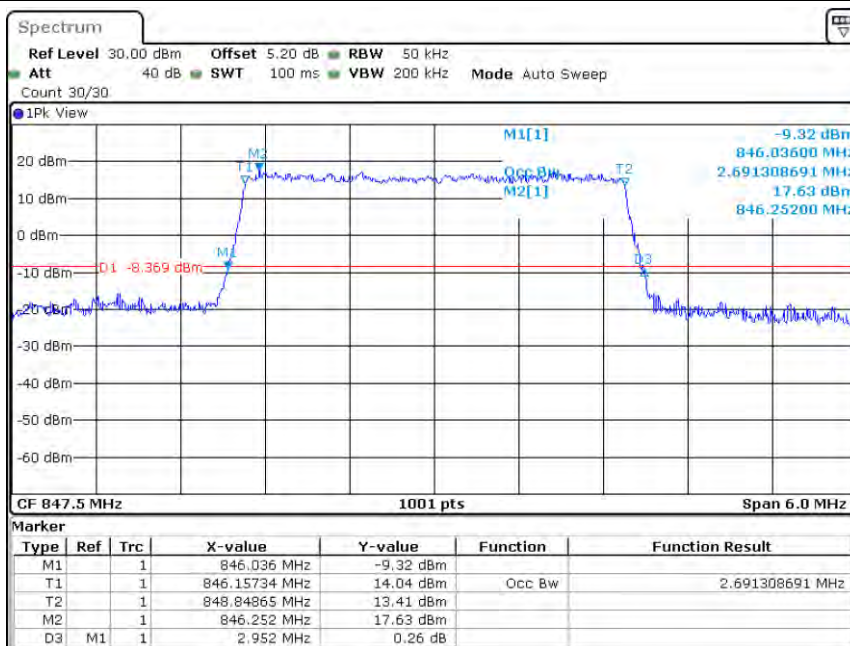
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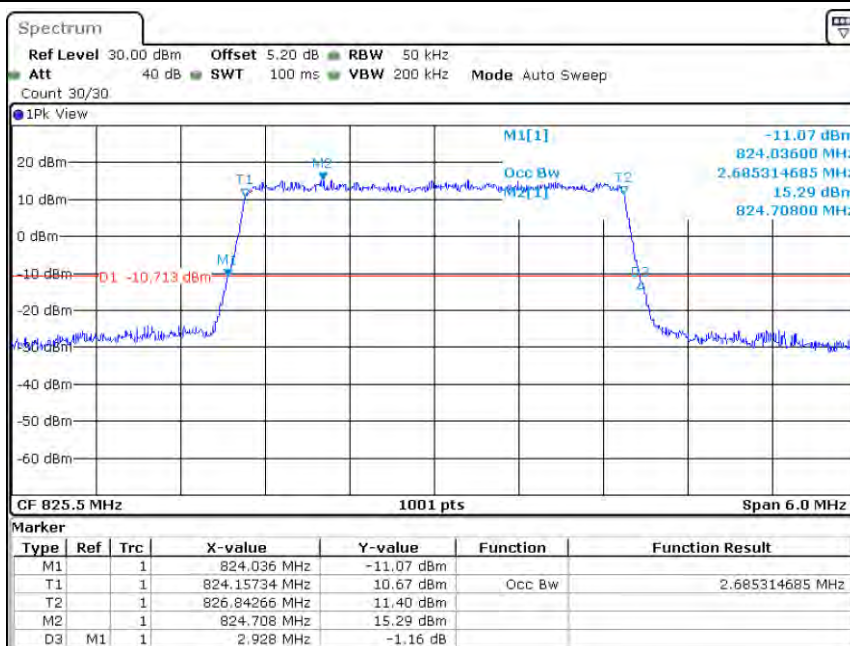


Band5-3MHz-QPSK-20635-15RB#0-2.691



Date: 4 MAY 2021 00:38:57

Band5-3MHz-64QAM-20415-15RB#0-2.685



Date: 4 MAY 2021 01:44:26

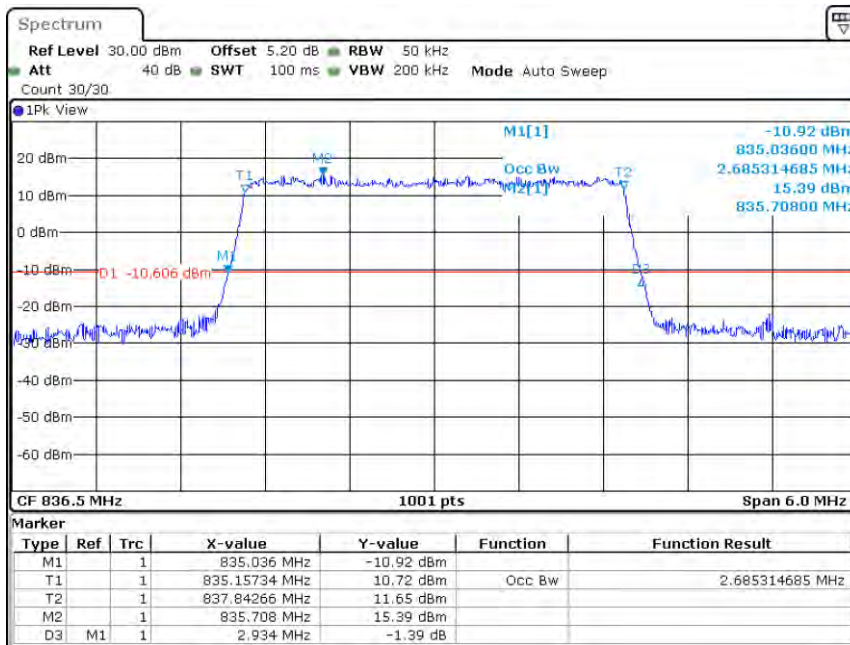


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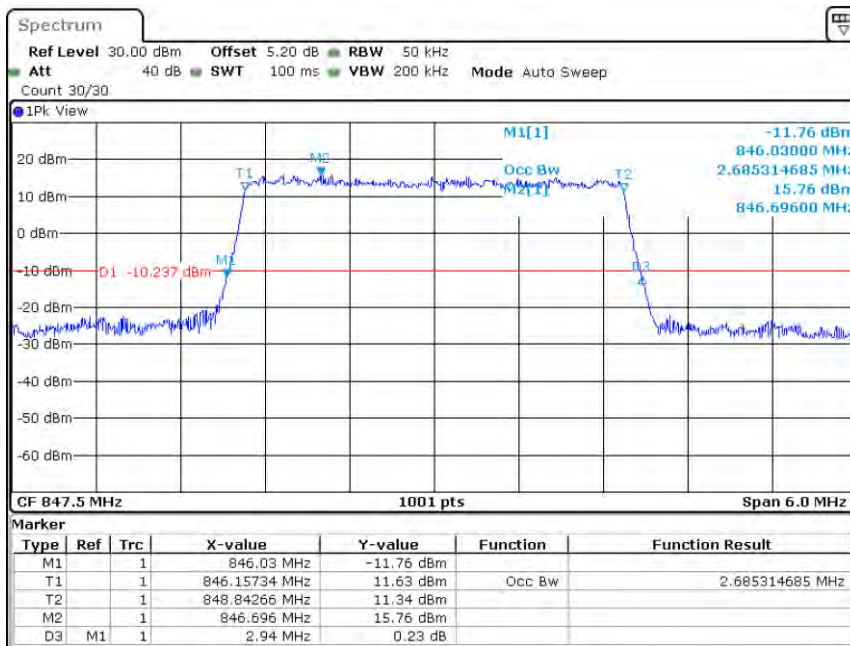


Band5-3MHz-64QAM-20525-15RB#0-2.685



Date: 4 MAY 2021 01:44:39

Band5-3MHz-64QAM-20635-15RB#0-2.685



Date: 4 MAY 2021 01:44:52

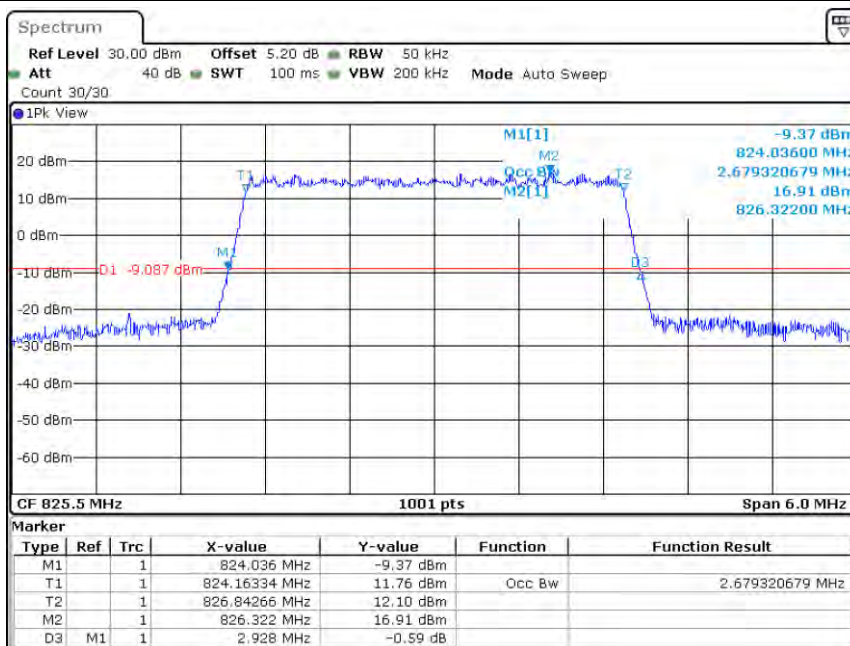


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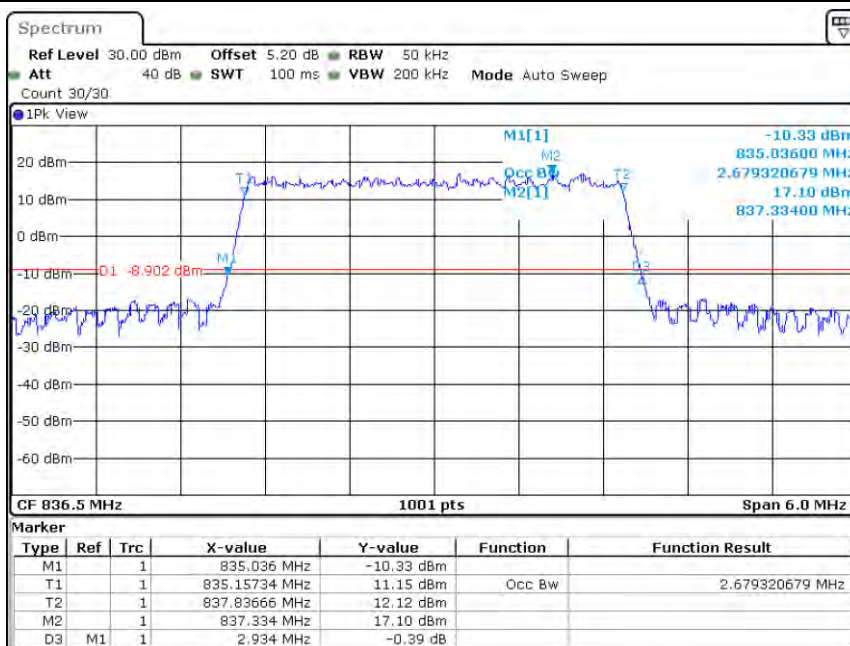


Band5-3MHz-16QAM-20415-15RB#0-2.679



Date: 4 MAY 2021 00:38:19

Band5-3MHz-16QAM-20525-15RB#0-2.679



Date: 4 MAY 2021 00:38:44

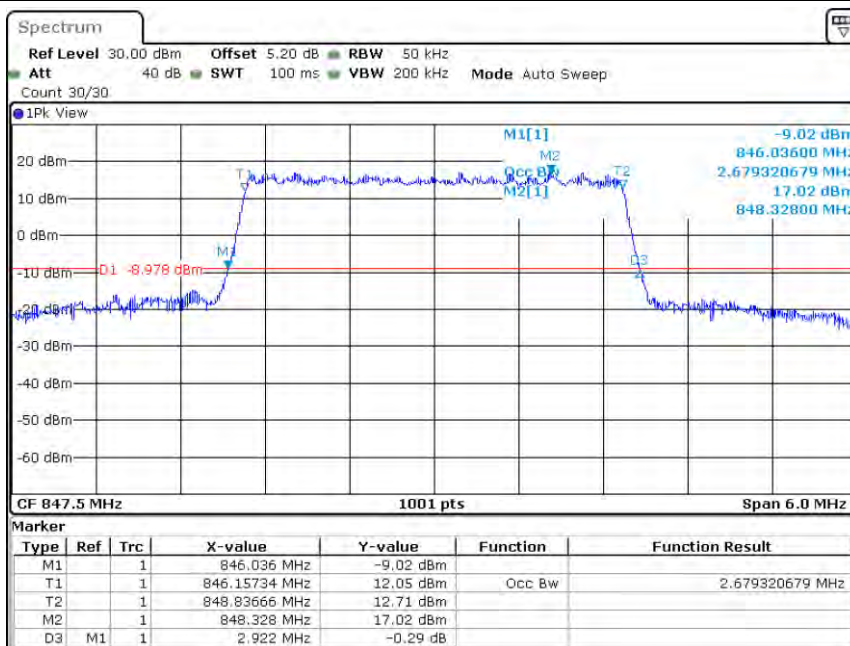


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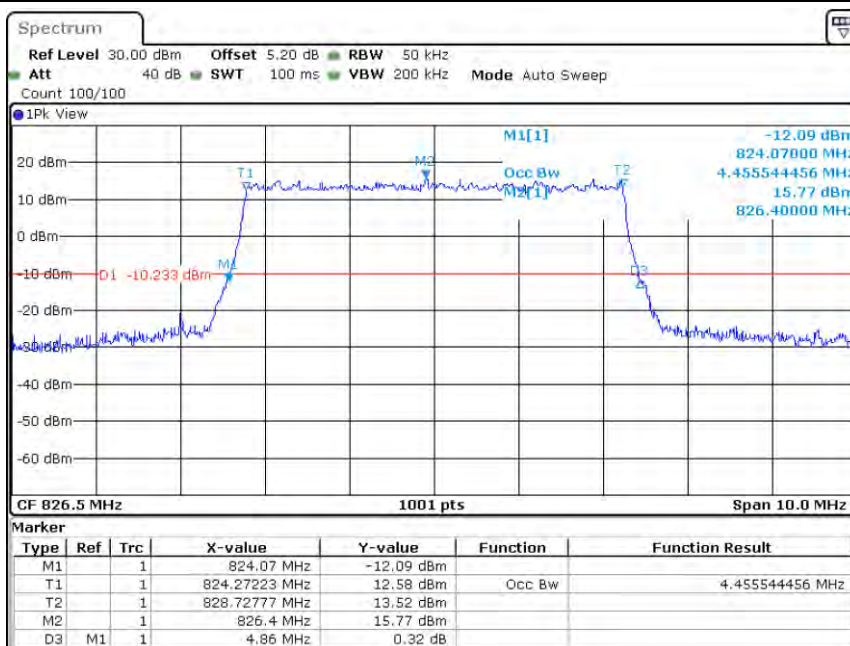


Band5-3MHz-16QAM-20635-15RB#0-2.679



Date: 4.MAY.2021 00:39:10

Band5-5MHz-QPSK-20425-25RB#0-4.456



Date: 4.MAY.2021 00:39:34

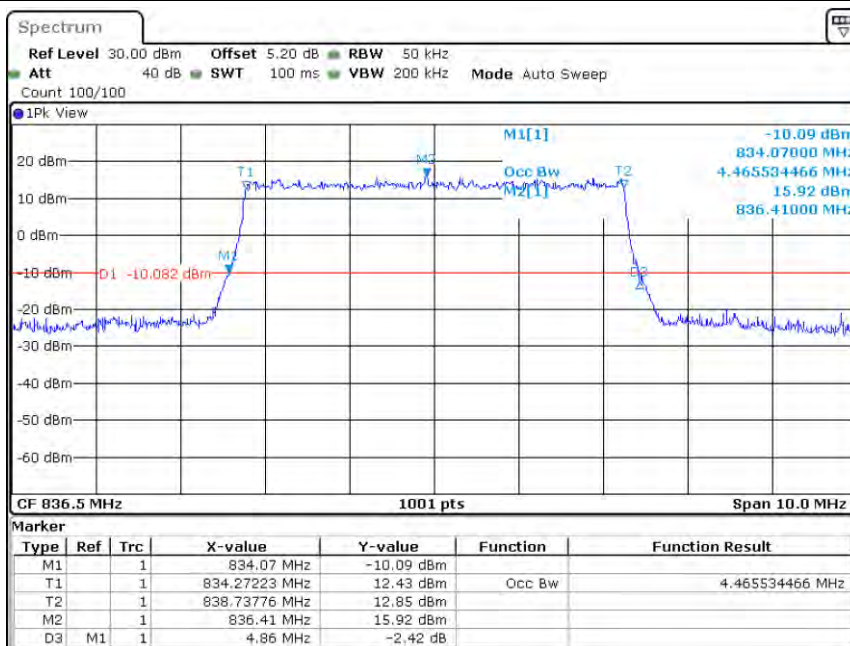


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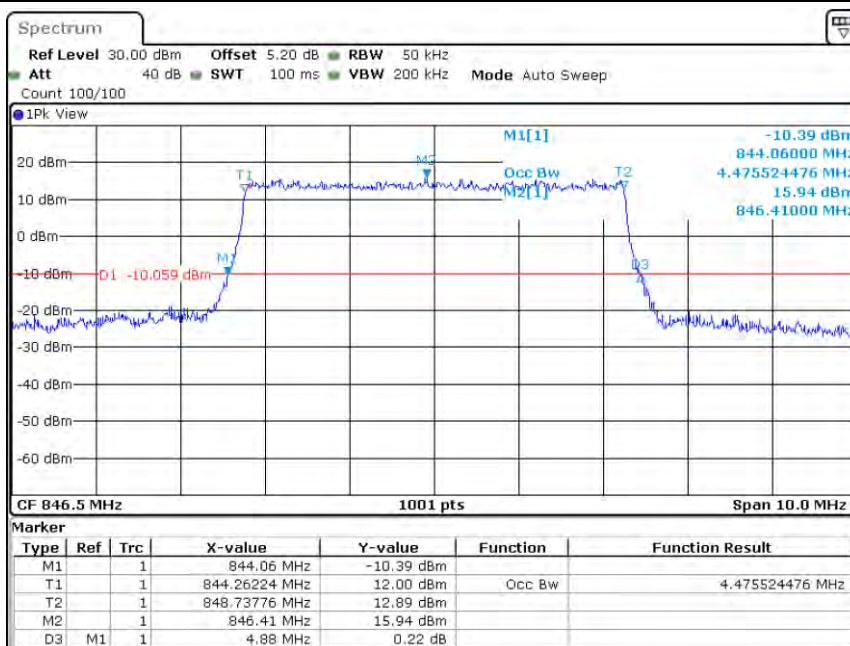


Band5-5MHz-QPSK-20525-25RB#0-4.466



Date: 4 MAY 2021 00:40:15

Band5-5MHz-QPSK-20625-25RB#0-4.476



Date: 4 MAY 2021 00:40:54

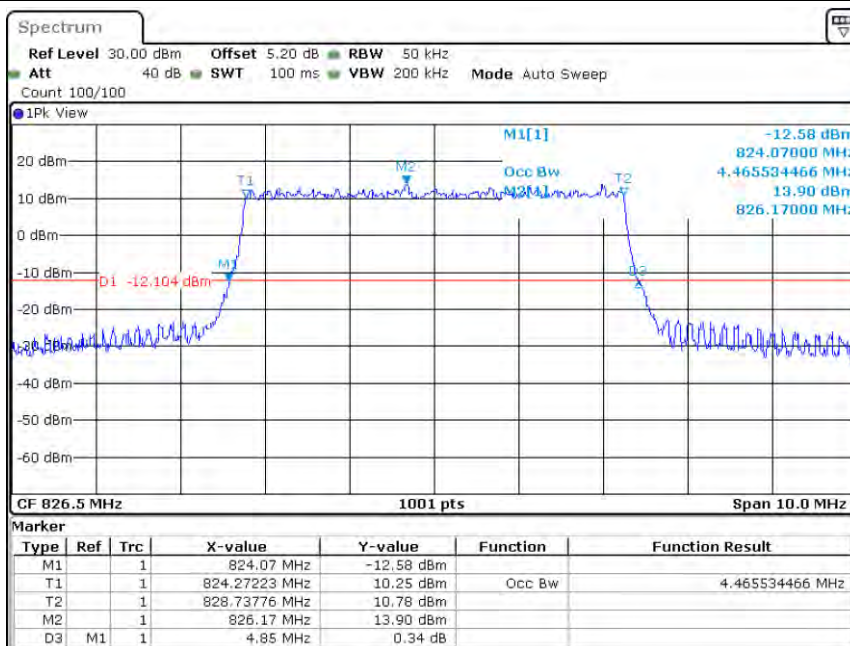


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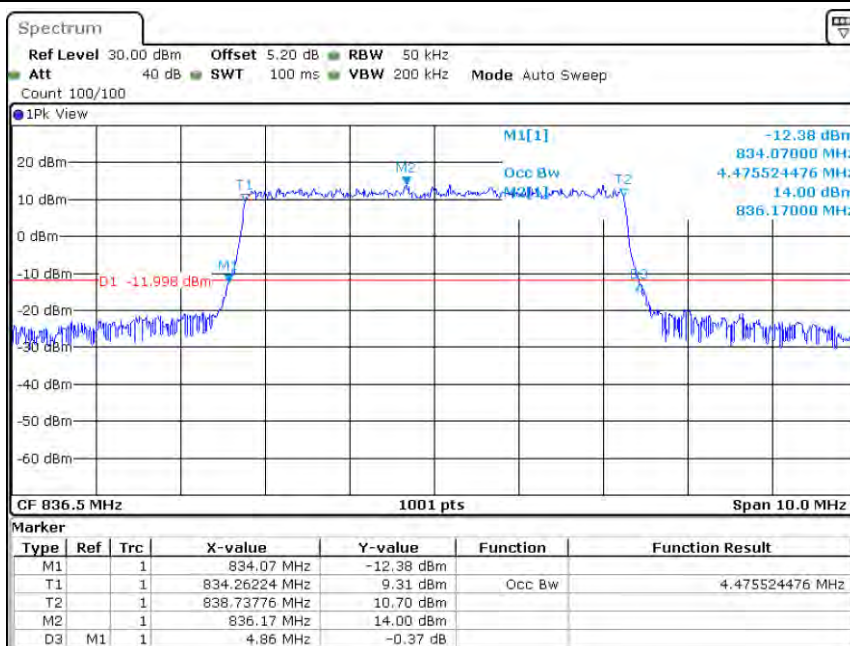


Band5-5MHz-64QAM-20425-25RB#0-4.466



Date: 4.MAY.2021 01:45:17

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

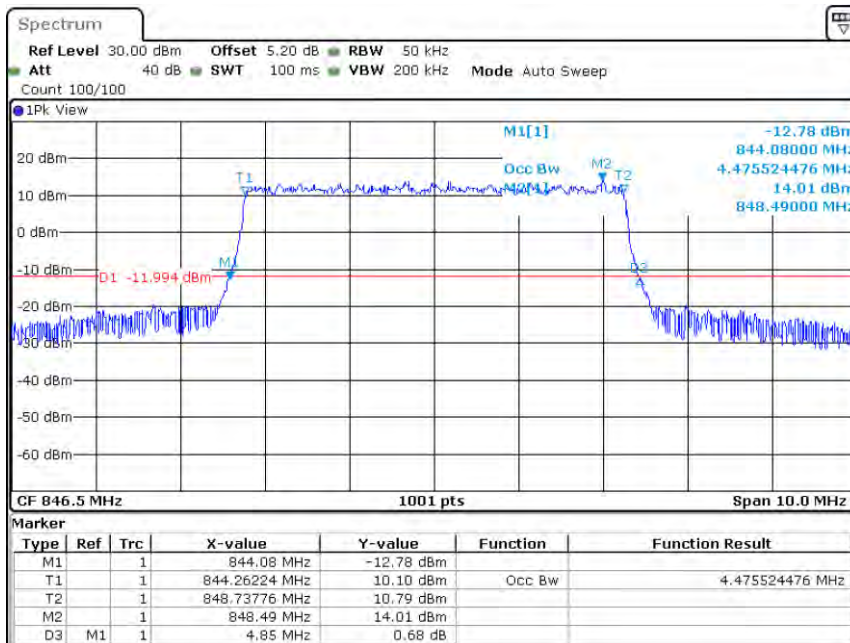


Date: 4.MAY.2021 01:45:37



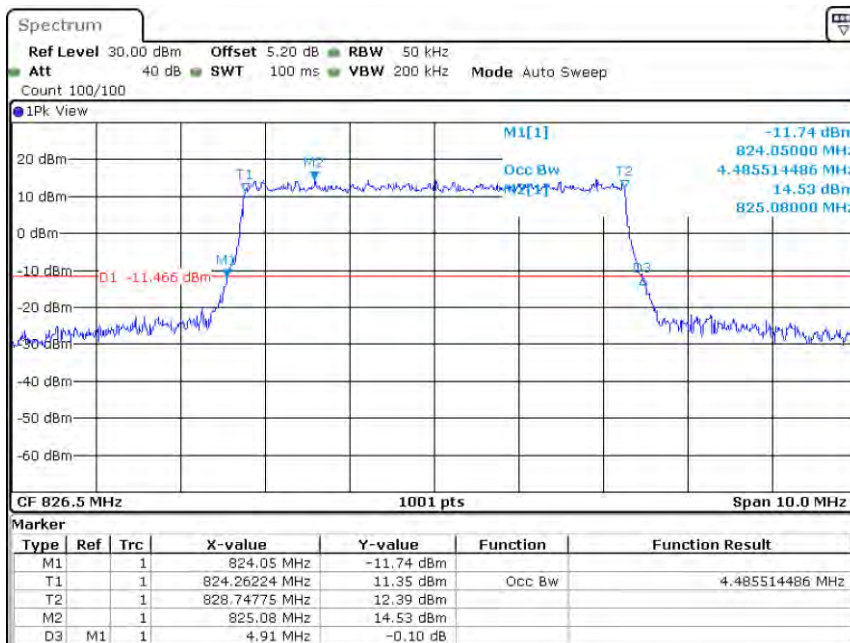


Band5-5MHz-64QAM-20625-25RB#0-4.476



Date: 4.MAY.2021 01:45:57

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



Date: 4.MAY.2021 00:39:54

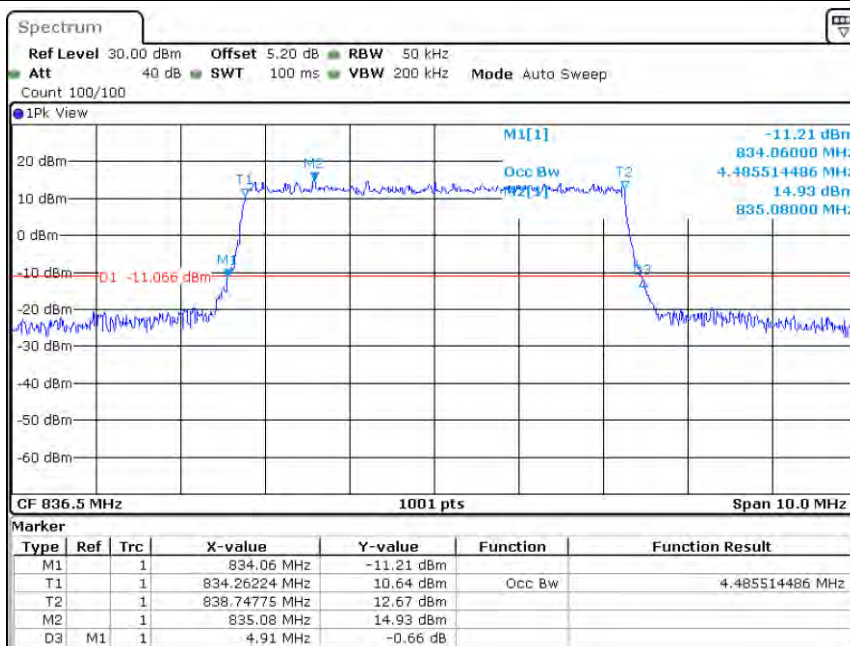


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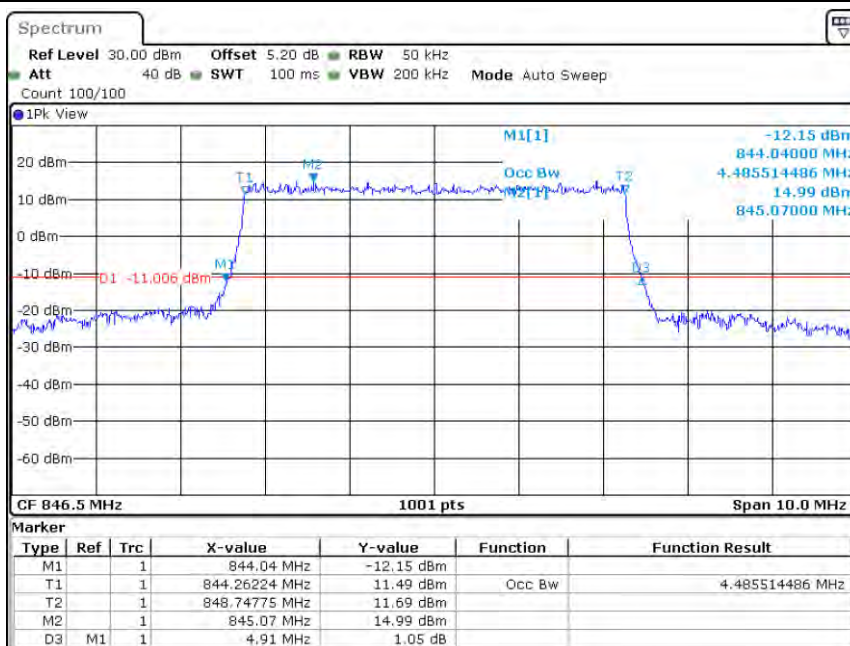


Band5-5MHz-16QAM-20525-25RB#0-4.486



Date: 4.MAY.2021 00:40:35

Band5-5MHz-16QAM-20625-25RB#0-4.486



Date: 4.MAY.2021 00:41:14

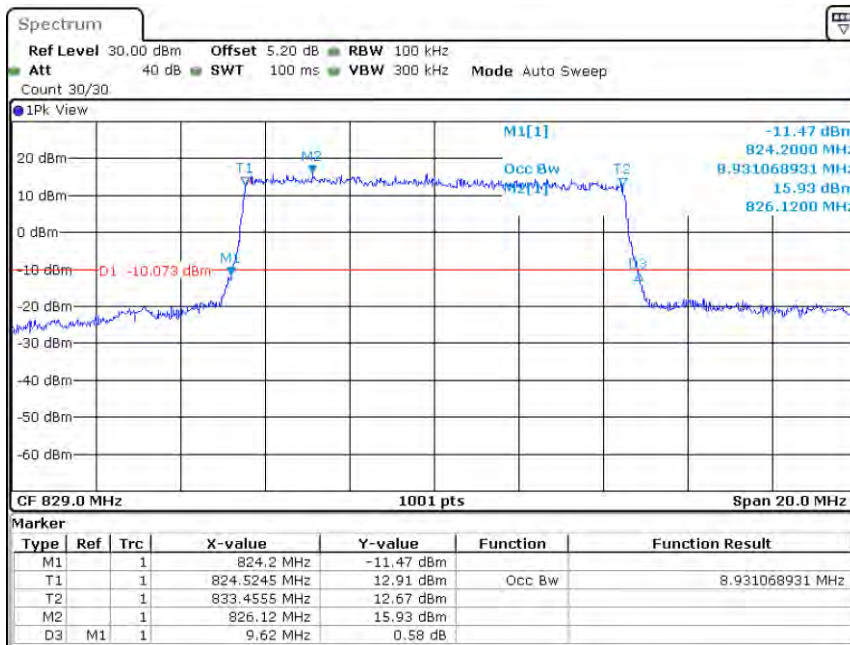


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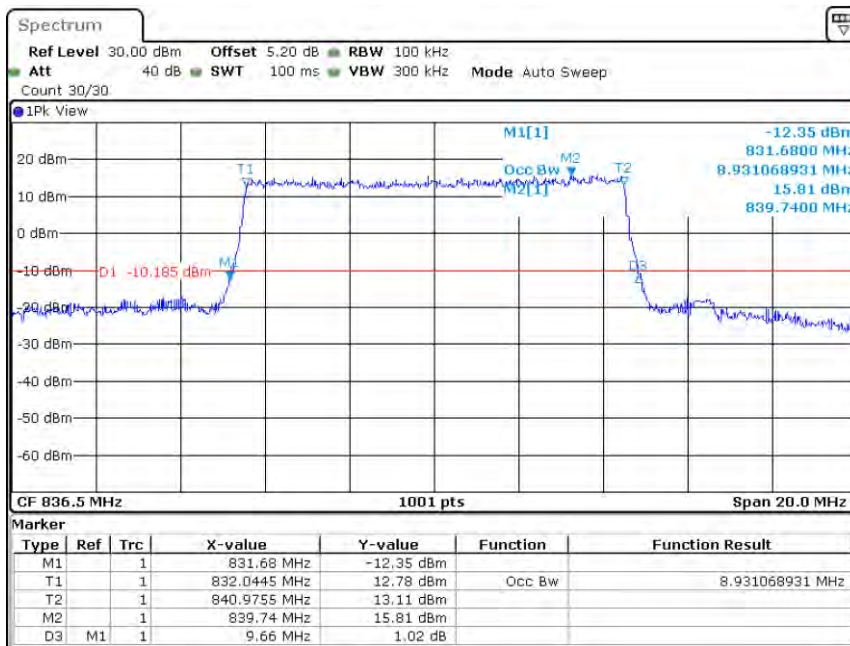


Band5-10MHz-QPSK-20450-50RB#0-8.931



Date: 4.MAY.2021 00:41:32

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



Date: 4.MAY.2021 00:41:57

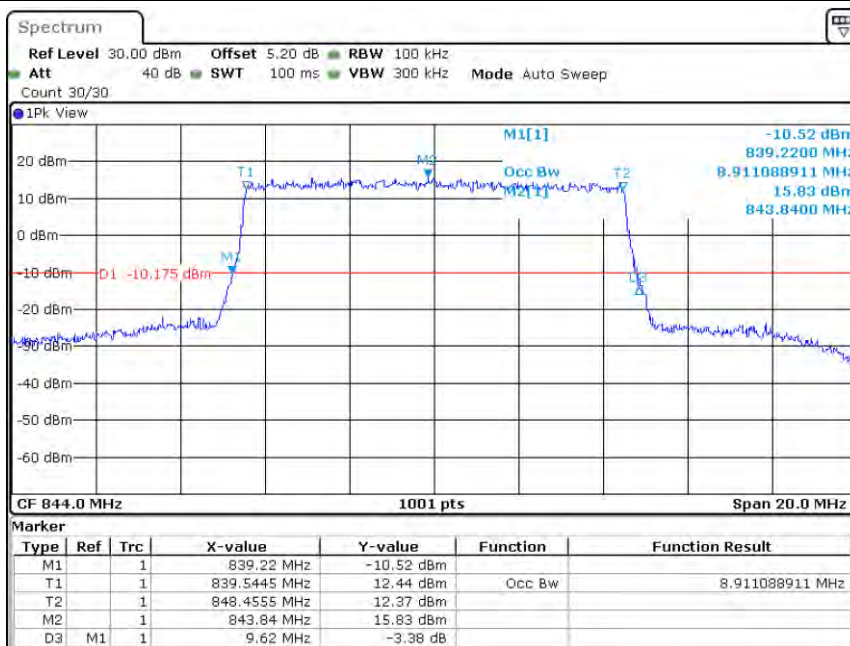


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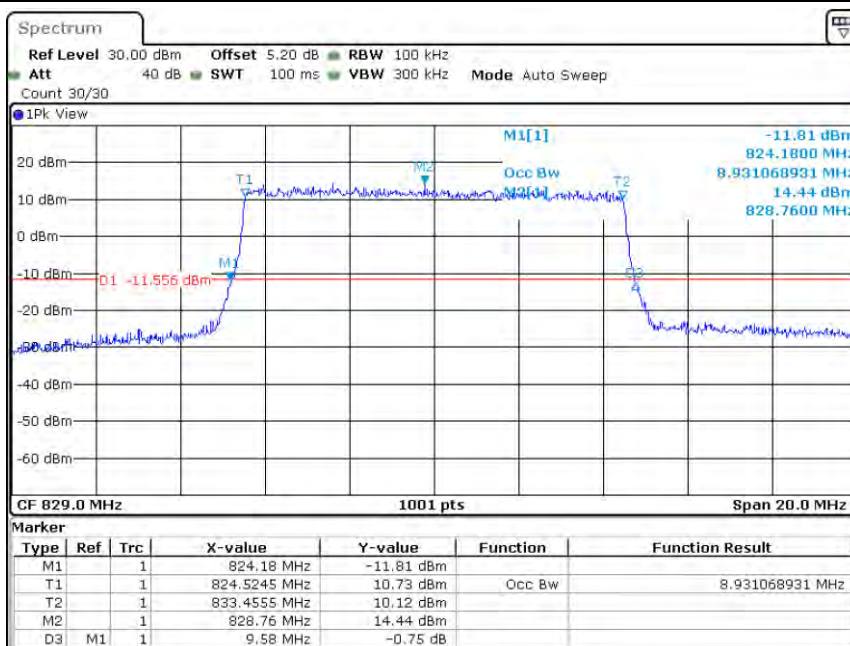


Band5-10MHz-QPSK-20600-50RB#0-8.911



Date: 4.MAY.2021 00:42:28

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



Date: 4.MAY.2021 01:46:14



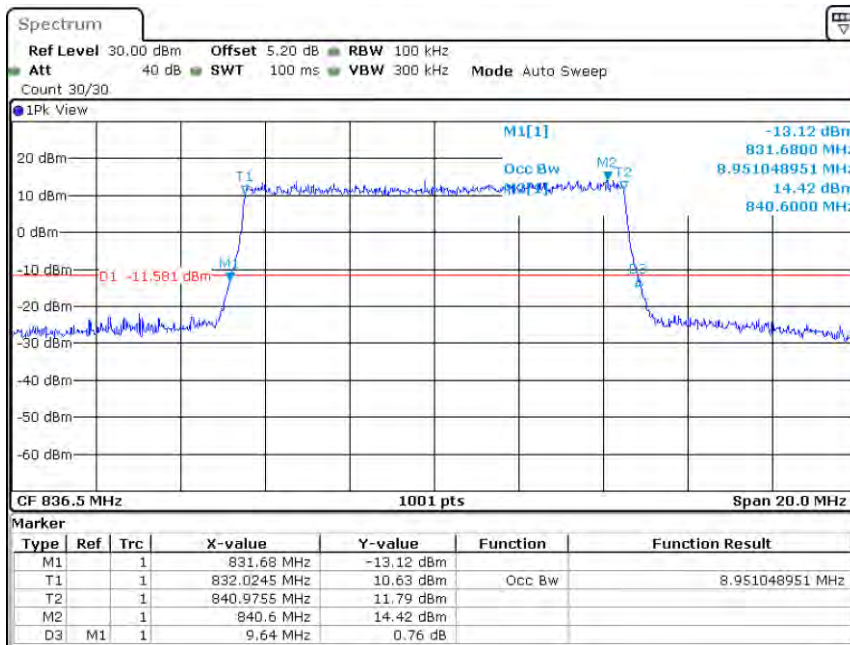
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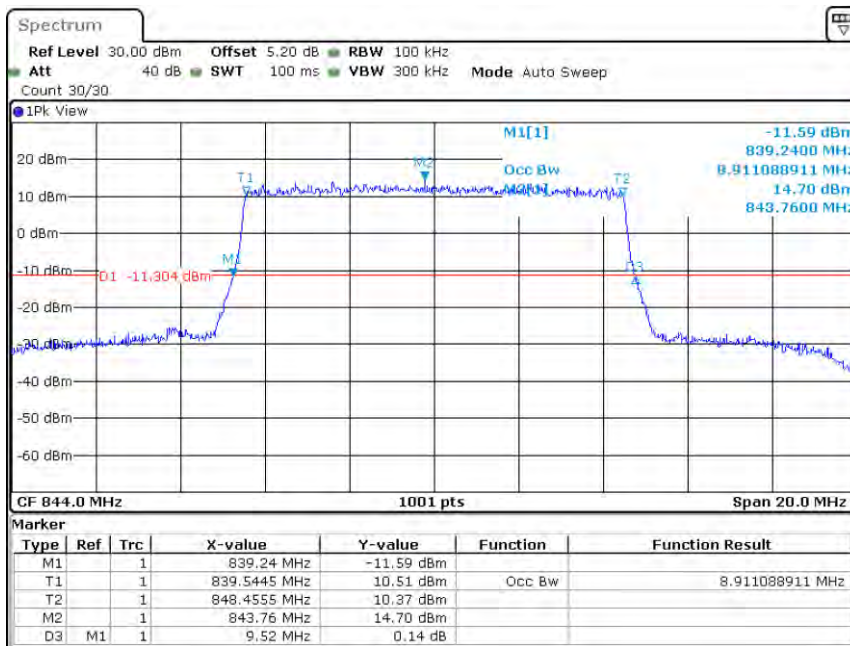


Band5-10MHz-64QAM-20525-50RB#0-8.951



Date: 4.MAY.2021 01:46:27

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



Date: 4.MAY.2021 01:46:40

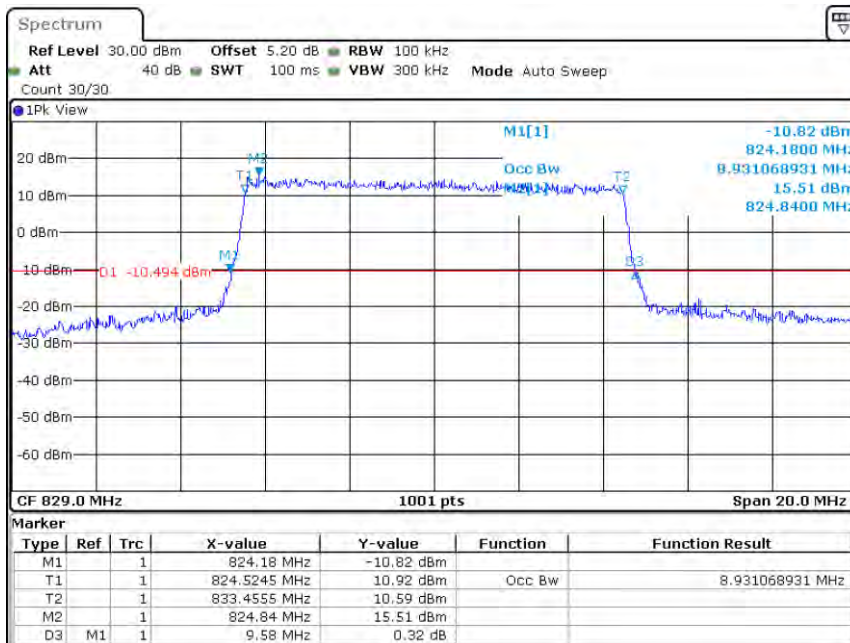


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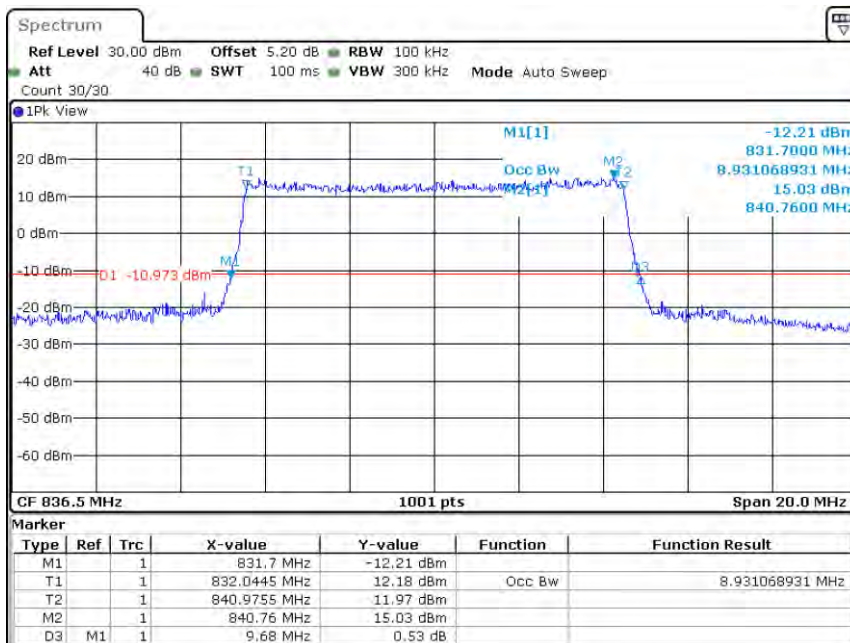


Band5-10MHz-16QAM-20450-50RB#0-8.931



Date: 4.MAY 2021 00:41:44

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



Date: 4.MAY 2021 00:42:10

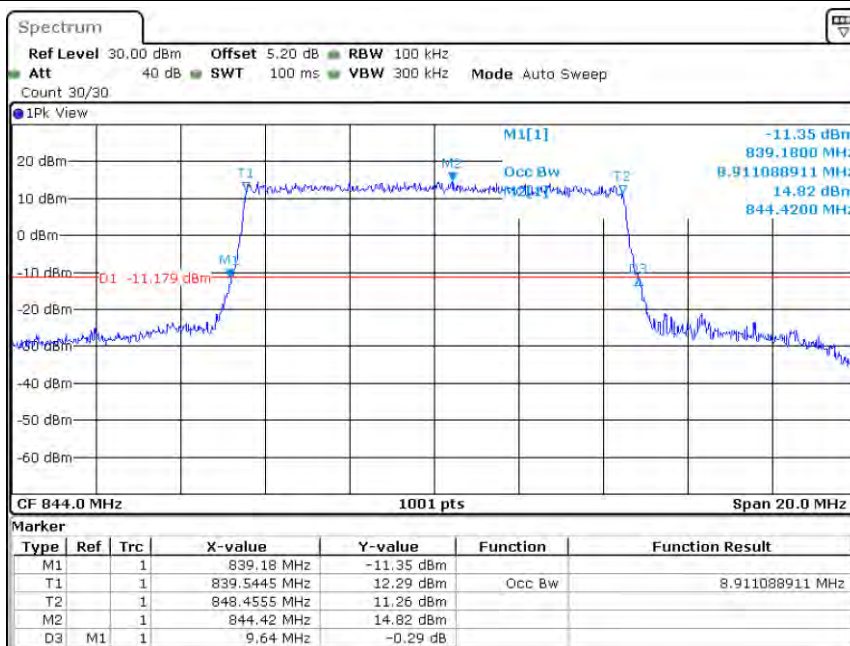


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Band5-10MHz-16QAM-20600-50RB#0-8.911



Date: 4 MAY 2021 00:42:41



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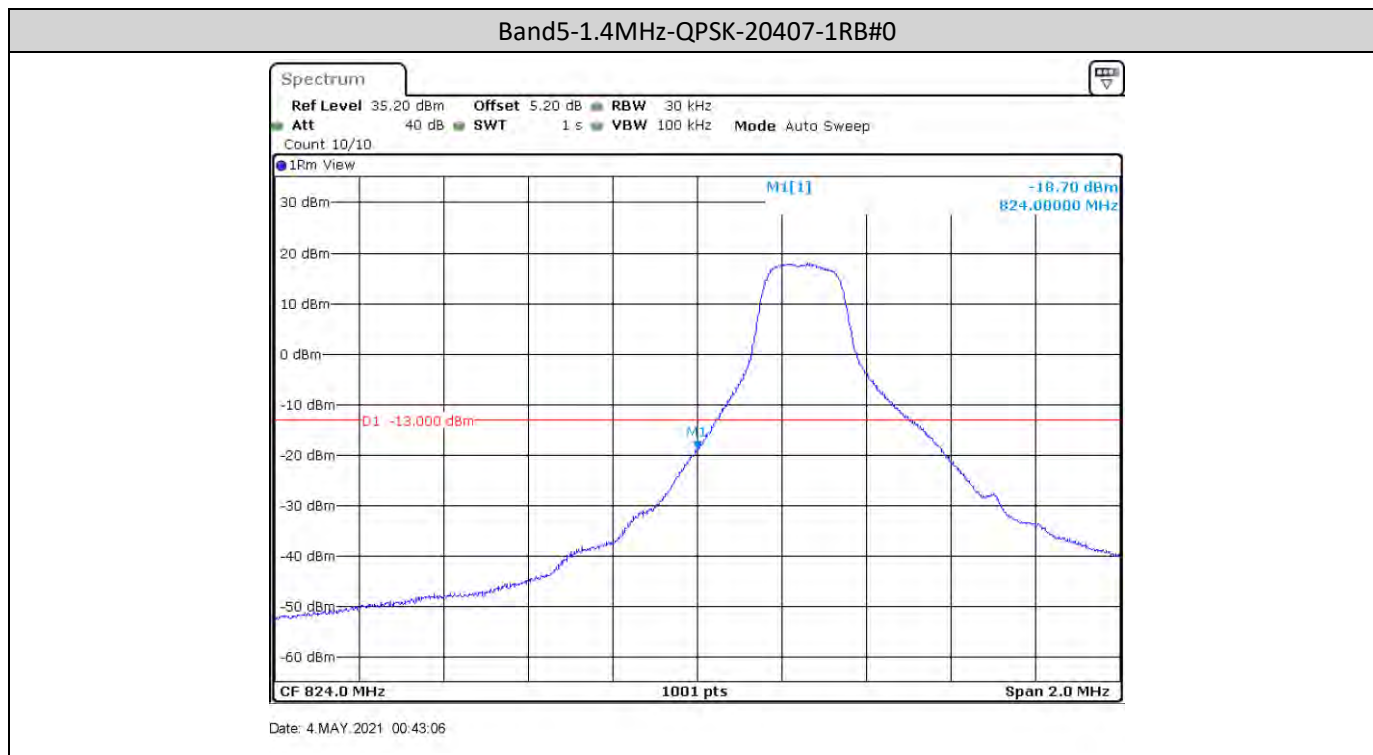
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5. Band Edge Compliance

5.1. Test Plots



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



Date: 4 MAY 2021 00:43:47

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



Date: 4 MAY 2021 00:44:33



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



Date: 4 MAY 2021 00:45:14

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



Date: 4 MAY 2021 01:47:06



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



Date: 4 MAY 2021 01:47:27

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



Date: 4 MAY 2021 01:47:52



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



Date: 4 MAY 2021 01:48:12

Band5-1.4MHz-16QAM-20407-1RB#0



Date: 4 MAY 2021 00:43:27





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



Date: 4 MAY 2021 00:44:08

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



Date: 4 MAY 2021 00:44:53



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



Date: 4 MAY 2021 00:45:34

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



Date: 4 MAY 2021 00:46:00



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



Date: 4 MAY 2021 00:46:42

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



Date: 4 MAY 2021 00:47:28



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



Date: 4 MAY 2021 00:48:09

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



Date: 4 MAY 2021 01:48:39



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



Date: 4 MAY 2021 01:49:00

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



Date: 4 MAY 2021 01:49:25



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



Date: 4 MAY 2021 01:49:45

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



Date: 4 MAY 2021 00:46:21



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



Date: 4 MAY 2021 00:47:03

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



Date: 4 MAY 2021 00:47:49



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



Date: 4 MAY 2021 00:48:30

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



Date: 4 MAY 2021 00:48:55



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



Date: 4.MAY.2021 00:49:36

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



Date: 4.MAY.2021 00:50:21



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



Date: 4 MAY 2021 00:51:02

Band5-5MHz-64QAM-20425-1RB#0



Date: 4 MAY 2021 01:50:11



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



Date: 4 MAY 2021 01:50:32

Band5-5MHz-64QAM-20625-1RB#24



Date: 4 MAY 2021 01:50:57



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



Date: 4 MAY 2021 01:51:17

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



Date: 4 MAY 2021 00:49:15



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



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



Date: 4 MAY 2021 00:51:23

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



Date: 4 MAY 2021 00:51:48



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



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



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



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



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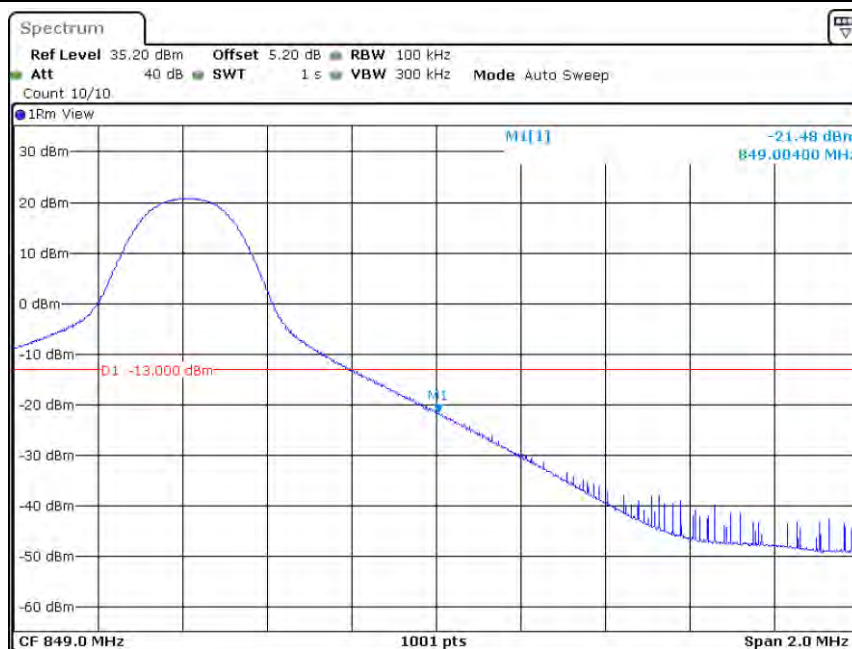


Band5-10MHz-64QAM-20450-50RB#0



Date: 4 MAY 2021 01:52:03

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



Date: 4 MAY 2021 01:52:28



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



Date: 4 MAY 2021 01:52:49

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



Date: 4 MAY 2021 00:52:10



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



Date: 4 MAY 2021 00:52:51

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



Date: 4 MAY 2021 00:53:36



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



Date: 4 MAY 2021 00:54:17



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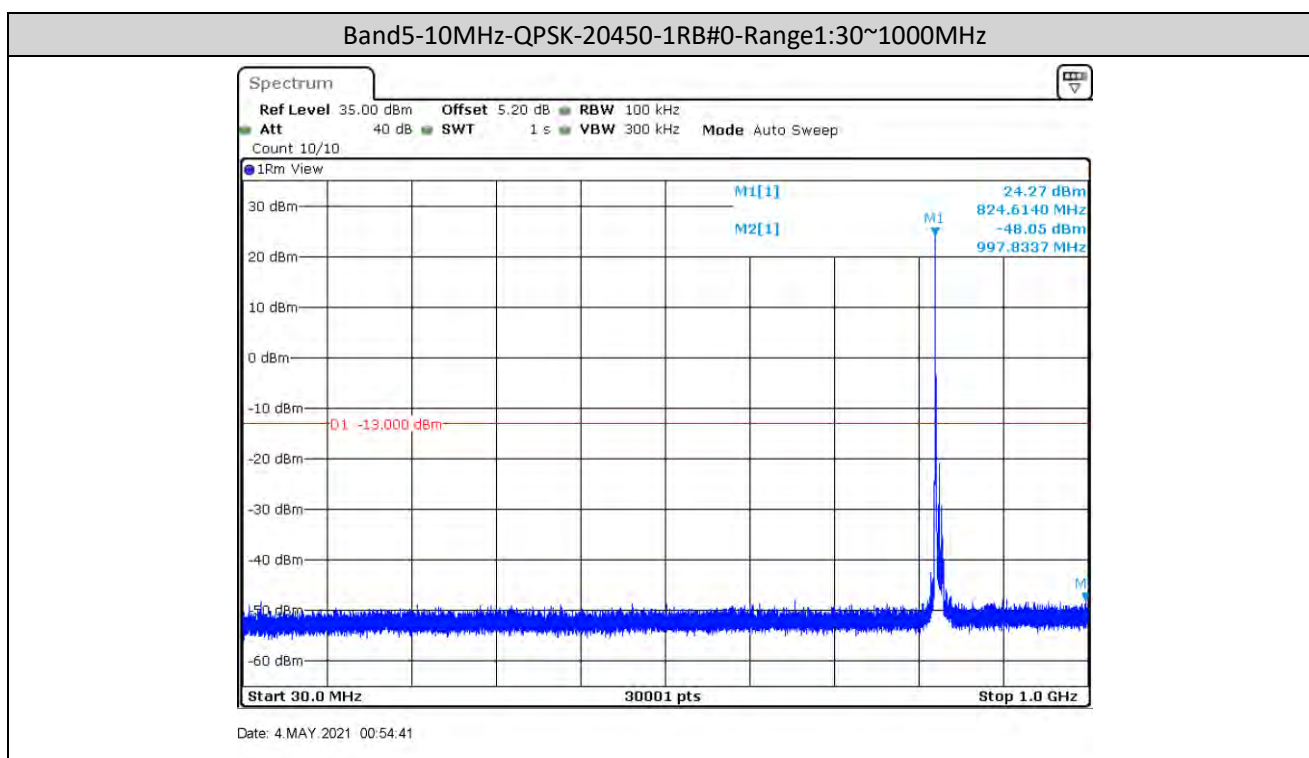
6. Spurious Emission at Antenna Terminal

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.

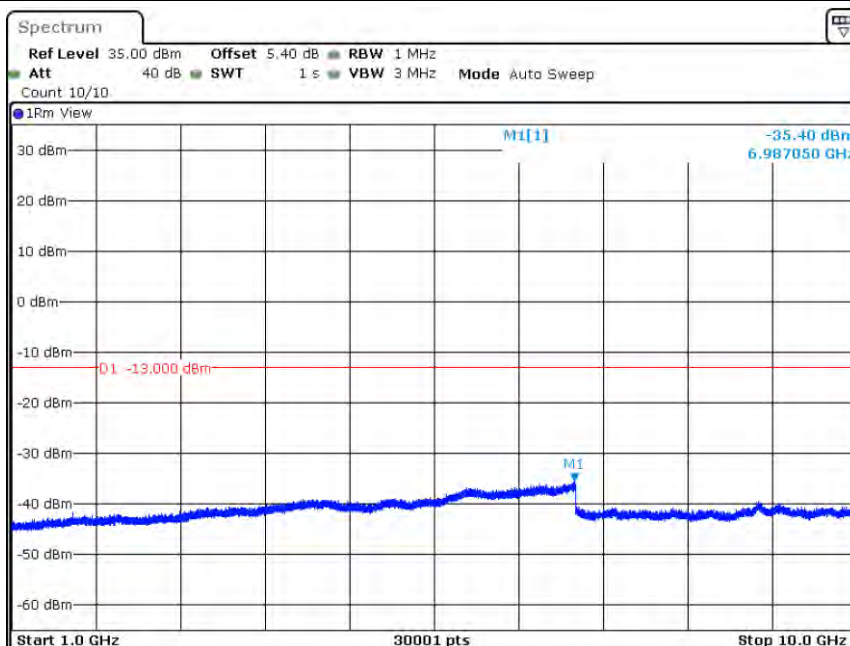
Remark2: According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.

Remark3: The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data had been displayed.

6.1. Test Plots

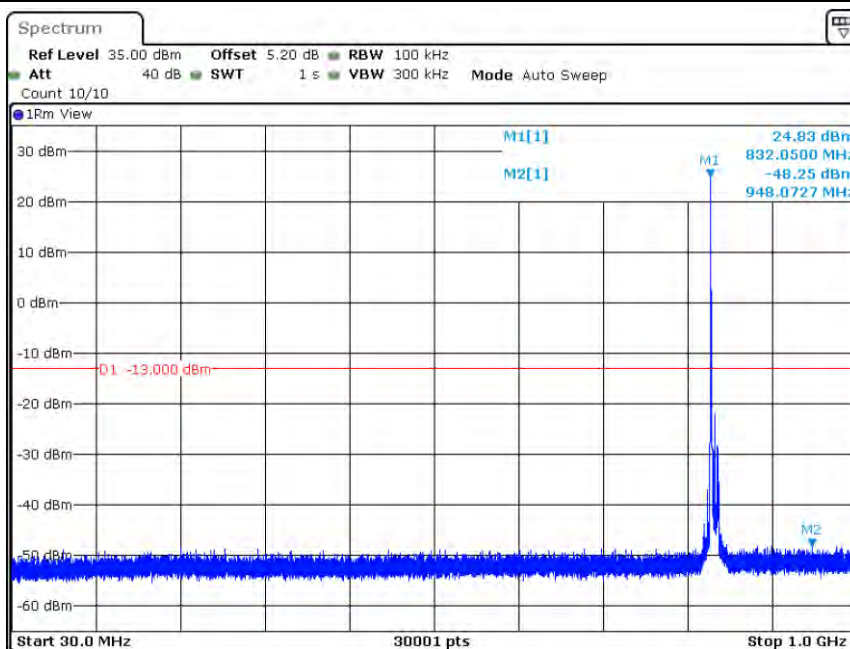


Band5-10MHz-QPSK-20450-1RB#0-Range2:1000~10000MHz



Date: 4 MAY 2021 00:54:57

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



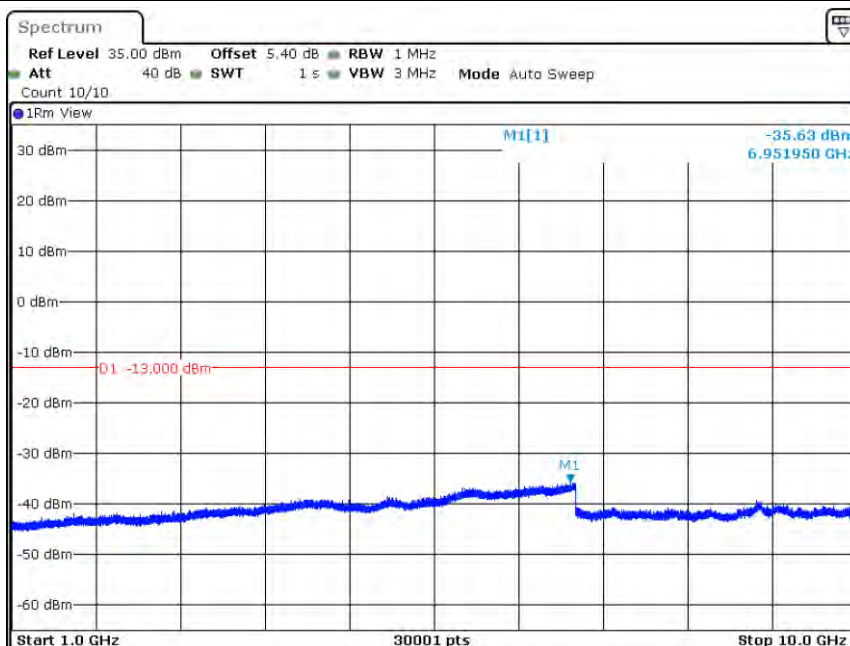
Date: 4 MAY 2021 00:55:52



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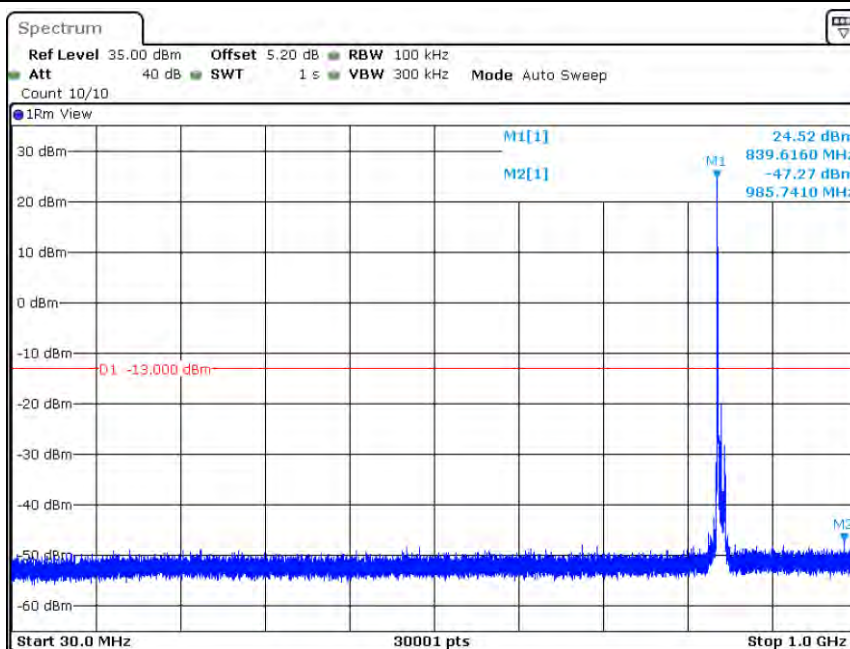
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Band5-10MHz-QPSK-20525-1RB#0-Range2:1000~10000MHz



Date: 4.MAY.2021 00:56:07

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



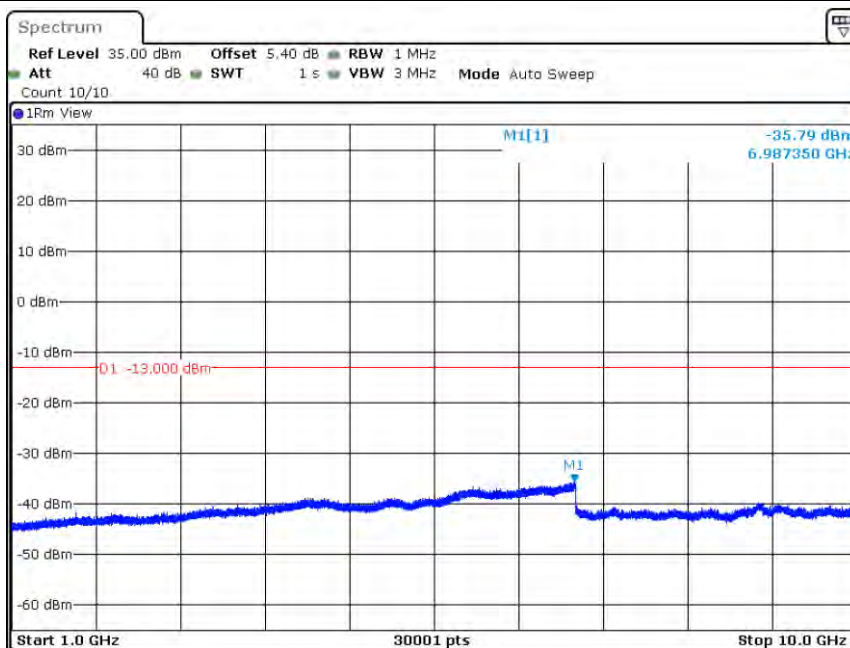
Date: 4.MAY.2021 00:57:02



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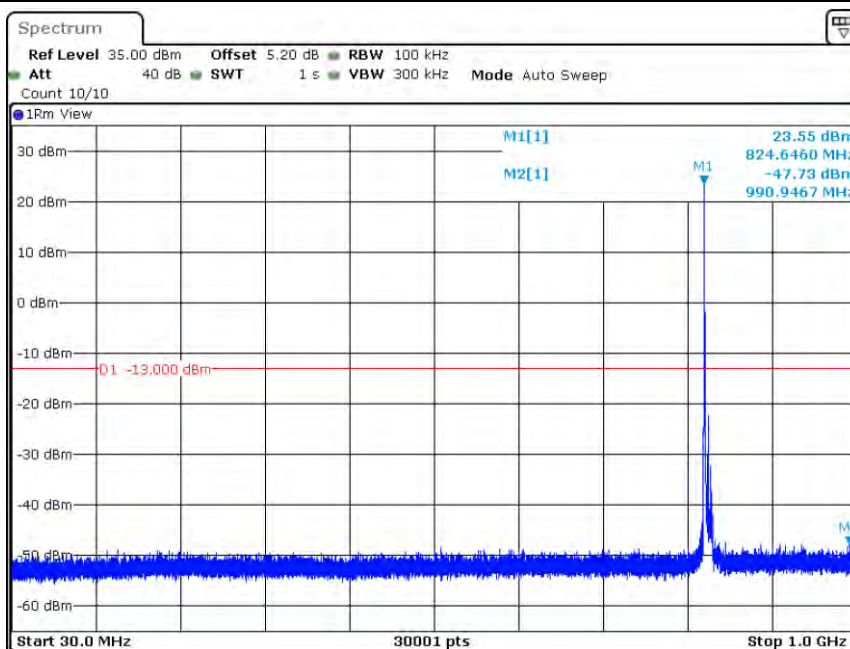
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Band5-10MHz-QPSK-20600-1RB#0-Range2:1000~10000MHz



Date: 4 MAY 2021 00:57:17

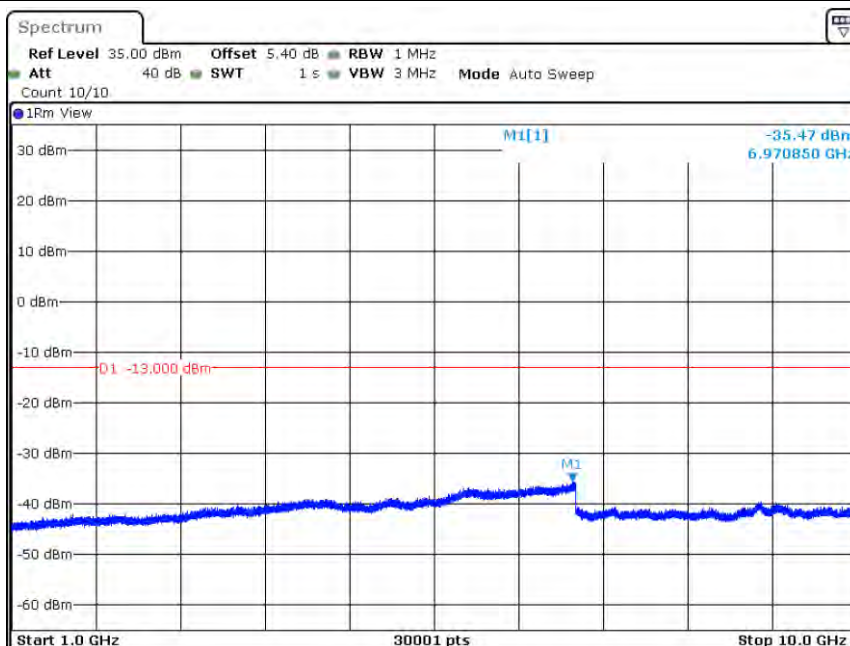
Band5-10MHz-64QAM-20450-1RB#0-Range1:30~1000MHz



Date: 4 MAY 2021 01:53:13

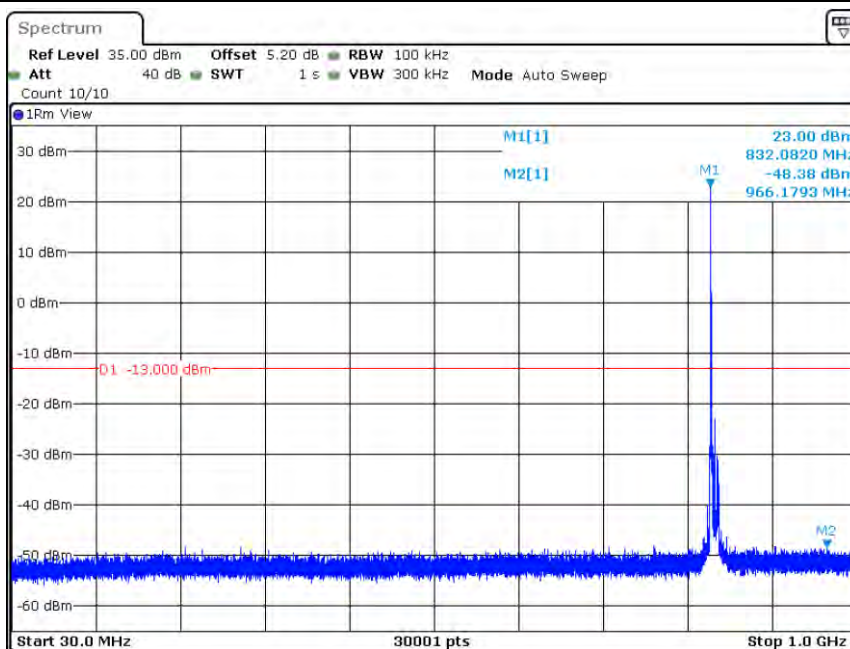


Band5-10MHz-64QAM-20450-1RB#0-Range2:1000~10000MHz



Date: 4.MAY.2021 01:53:28

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



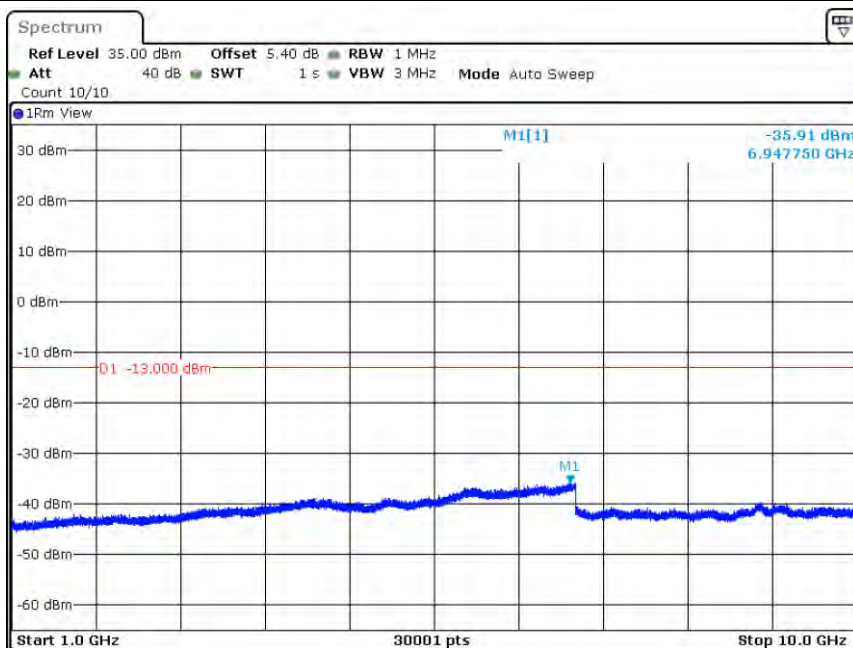
Date: 4.MAY.2021 01:53:48



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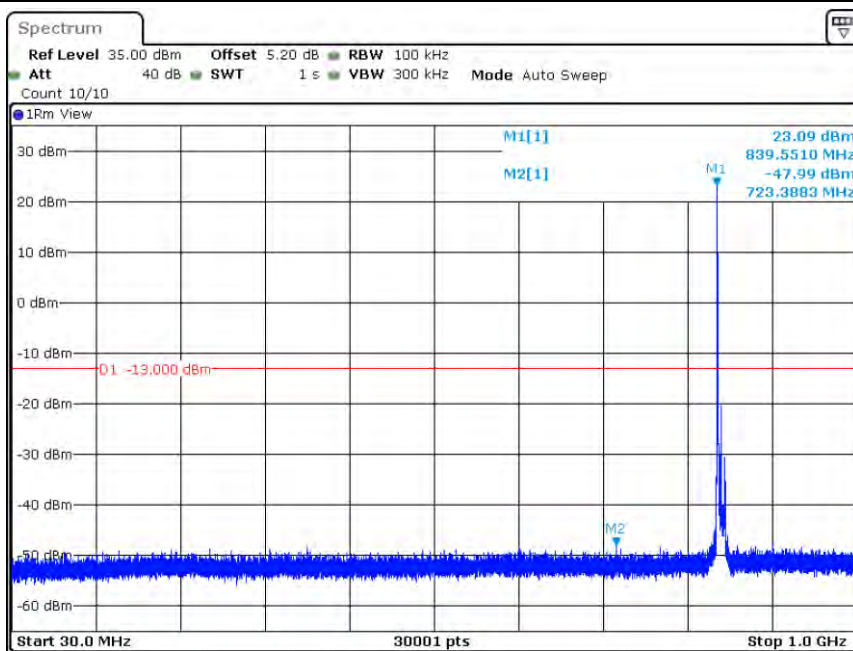
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Band5-10MHz-64QAM-20525-1RB#0-Range2:1000~10000MHz



Date: 4 MAY 2021 01:54:04

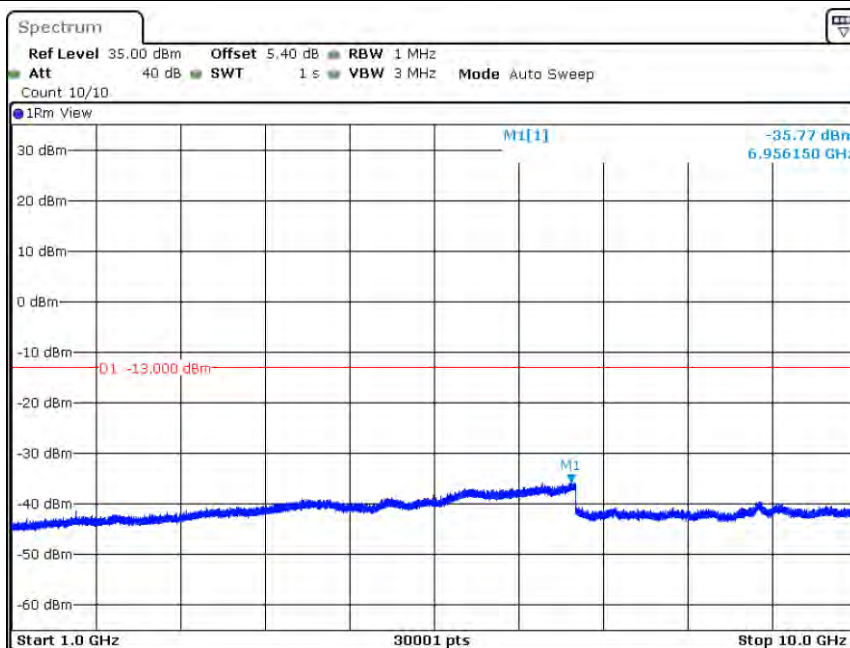
Band5-10MHz-64QAM-20600-1RB#0-Range1:30~1000MHz



Date: 4 MAY 2021 01:54:23

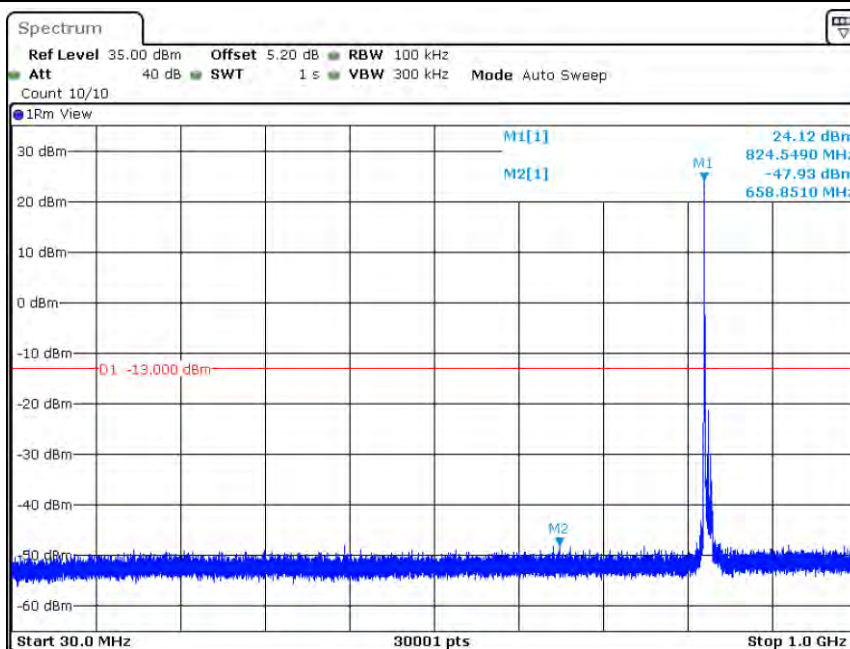


Band5-10MHz-64QAM-20600-1RB#0-Range2:1000~10000MHz



Date: 4 MAY 2021 01:54:39

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



Date: 4 MAY 2021 00:55:16

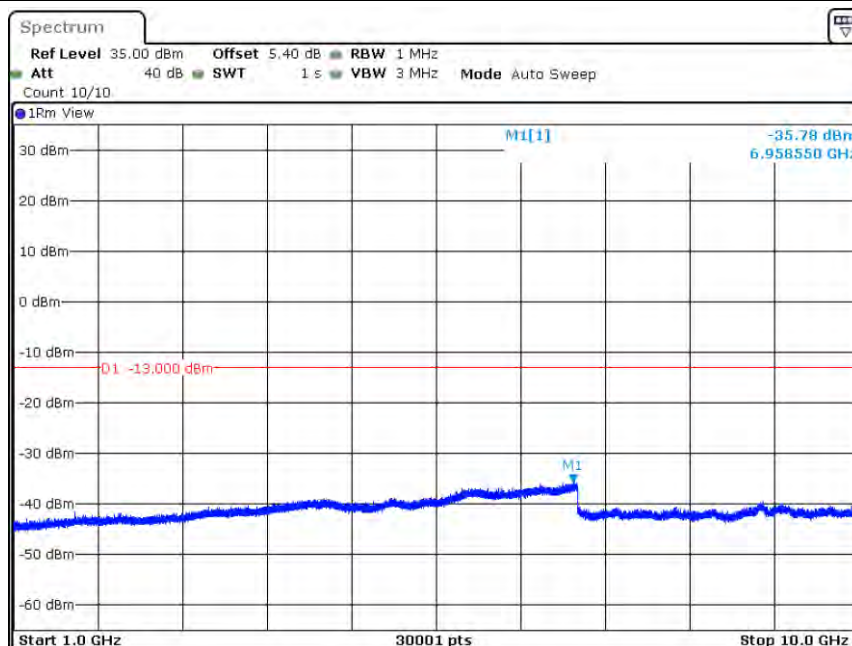
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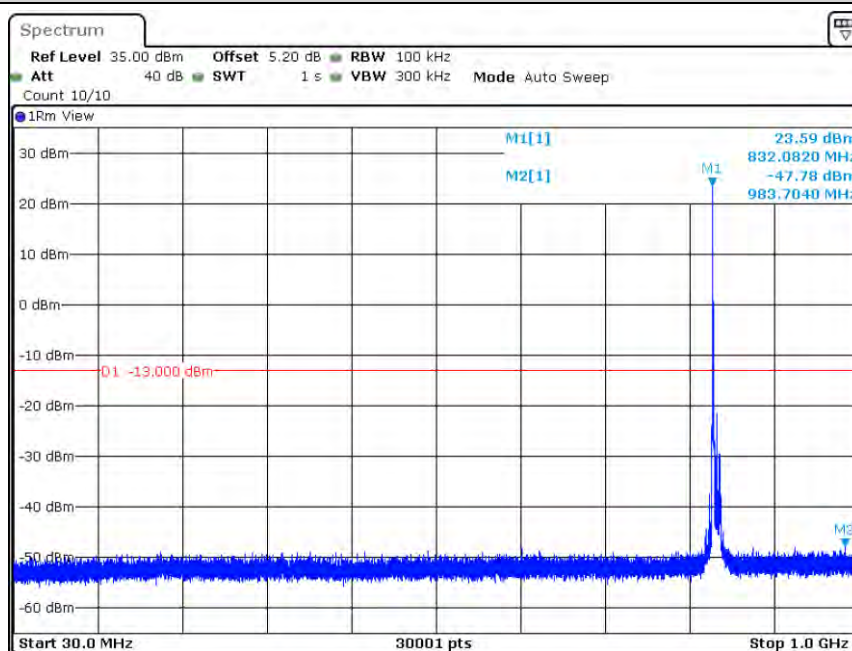
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Band5-10MHz-16QAM-20450-1RB#0-Range2:1000~10000MHz



Date: 4.MAY.2021 00:55:32

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



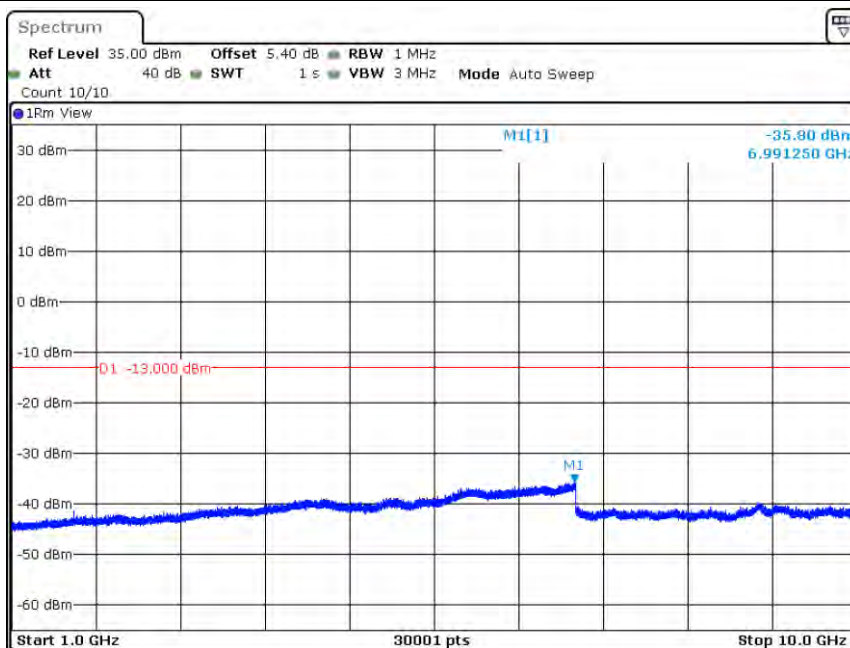
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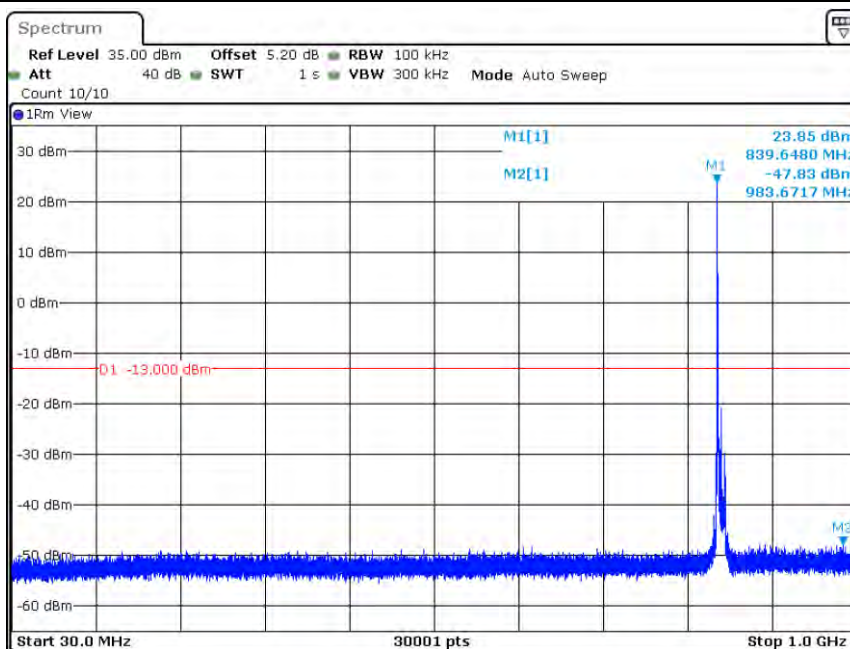
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Band5-10MHz-16QAM-20525-1RB#0-Range2:1000~10000MHz



Date: 4 MAY 2021 00:56:42

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

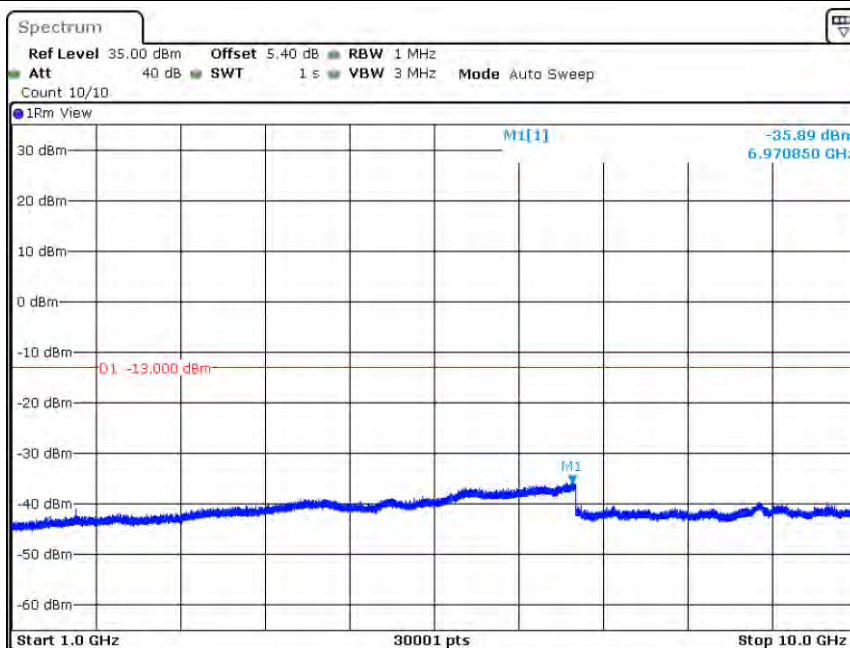


Date: 4 MAY 2021 00:57:37





Band5-10MHz-16QAM-20600-1RB#0-Range2:1000~10000MHz



Date: 4 MAY 2021 00:57:52



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7. Field Strength of Spurious Radiation

7.1. Test Band = LTE_Band=5 BW=20MHz ANT0

7.1.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	43.8522	-71.43	-55.47	-13.00	42.47	Horizontal
2	492.3981	-73.89	-60.08	-13.00	47.08	Horizontal
3	1772.4386	-60.84	-49.54	-13.00	36.54	Horizontal
4	2688.9844	-66.71	-48.20	-13.00	35.20	Horizontal
5	5280.0140	-57.16	-55.98	-13.00	42.98	Horizontal
6	9953.7977	-60.48	-53.83	-13.00	40.83	Horizontal



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7.2. Test Band = LTE Band=5 BW=20MHz ANT0

7.2.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	44.3954	-70.60	-64.40	-13.00	51.40	Vertical
2	110.6296	-75.30	-60.04	-13.00	47.04	Vertical
3	530.9668	-74.20	-60.11	-13.00	47.11	Vertical
4	2235.6618	-67.52	-52.16	-13.00	39.16	Vertical
5	5445.5723	-57.39	-58.59	-13.00	45.59	Vertical
6	9672.3836	-60.90	-53.29	-13.00	40.29	Vertical



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7.3. Test Band = LTE Band=5 BW=20MHz ANT0

7.3.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	46.9175	-67.22	-52.26	-13.00	39.26	Horizontal
2	232.4665	-74.99	-63.47	-13.00	50.47	Horizontal
3	616.7183	-72.90	-56.59	-13.00	43.59	Horizontal
4	2692.1846	-66.73	-48.10	-13.00	35.10	Horizontal
5	5299.9650	-57.77	-56.16	-13.00	43.16	Horizontal
6	9602.7301	-59.72	-53.19	-13.00	40.19	Horizontal



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7.4. Test Band = LTE Band=5 BW=20MHz ANT0

7.4.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	43.7746	-72.68	-67.02	-13.00	54.02	Vertical
2	107.2539	-75.18	-60.44	-13.00	47.44	Vertical
3	547.8843	-72.52	-58.67	-13.00	45.67	Vertical
4	2734.0867	-66.63	-49.24	-13.00	36.24	Vertical
5	5299.2650	-57.55	-56.48	-13.00	43.48	Vertical
6	9732.5866	-60.03	-52.11	-13.00	39.11	Vertical



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7.5. Test Band = LTE Band=5 BW=20MHz ANT0

7.5.1. Test Channel = High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	42.8821	-71.73	-55.84	-13.00	42.84	Horizontal
2	235.5706	-75.35	-63.75	-13.00	50.75	Horizontal
3	1484.3242	-64.07	-53.54	-13.00	40.54	Horizontal
4	2697.9849	-66.98	-48.12	-13.00	35.12	Horizontal
5	5285.9643	-57.32	-56.01	-13.00	43.01	Horizontal
6	9293.6647	-59.97	-53.22	-13.00	40.22	Horizontal



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7.6. Test Band = LTE Band=5 BW=20MHz ANT0

7.6.1. Test Channel = High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	66.2407	-75.92	-65.28	-13.00	52.28	Vertical
2	109.3104	-75.80	-60.63	-13.00	47.63	Vertical
3	602.8661	-73.77	-57.36	-13.00	44.36	Vertical
4	2691.9846	-66.23	-48.79	-13.00	35.79	Vertical
5	5304.5152	-57.67	-56.65	-13.00	43.65	Vertical
6	9903.3952	-60.62	-52.92	-13.00	39.92	Vertical



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7.7. Test Band = LTE_Band=5 BW=20MHz ANT4

7.7.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	44.3954	-71.39	-55.40	-13.00	42.40	Horizontal
2	241.1580	-74.60	-62.91	-13.00	49.91	Horizontal
3	563.5213	-73.01	-57.21	-13.00	44.21	Horizontal
4	2710.1855	-66.23	-47.73	-13.00	34.73	Horizontal
5	5292.9646	-57.26	-55.80	-13.00	42.80	Horizontal
6	9360.8680	-59.92	-53.29	-13.00	40.29	Horizontal



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7.8. Test Band = LTE Band=5 BW=20MHz ANT4

7.8.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	44.3566	-71.97	-65.80	-13.00	52.80	Vertical
2	111.1340	-74.94	-59.72	-13.00	46.72	Vertical
3	509.7036	-73.87	-60.02	-13.00	47.02	Vertical
4	2695.5848	-66.65	-49.10	-13.00	36.10	Vertical
5	5291.9146	-57.38	-56.46	-13.00	43.46	Vertical
6	9286.3143	-60.19	-53.27	-13.00	40.27	Vertical



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7.9. Test Band = LTE Band=5 BW=20MHz ANT4

7.9.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	44.3566	-71.84	-55.85	-13.00	42.85	Horizontal
2	239.2568	-74.47	-62.78	-13.00	49.78	Horizontal
3	579.7792	-73.39	-57.41	-13.00	44.41	Horizontal
4	2464.6732	-36.27	-20.16	-13.00	7.16	Horizontal
5	5289.8145	-57.72	-56.33	-13.00	43.33	Horizontal
6	9347.5674	-59.96	-53.29	-13.00	40.29	Horizontal



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7.10. Test Band = LTE_Band=5 BW=20MHz ANT4

7.10.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	45.1326	-72.51	-65.75	-13.00	52.75	Vertical
2	115.9842	-75.02	-60.19	-13.00	47.19	Vertical
3	530.3072	-73.20	-59.09	-13.00	46.09	Vertical
4	1617.9309	-67.73	-56.29	-13.00	43.29	Vertical
5	2464.5732	-36.05	-21.22	-13.00	8.22	Vertical
6	5304.8652	-57.65	-56.64	-13.00	43.64	Vertical



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7.11. Test Band = LTE_Band=5 BW=20MHz ANT4

7.11.1. Test Channel = High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	43.7357	-71.21	-55.26	-13.00	42.26	Horizontal
2	244.9218	-74.79	-63.17	-13.00	50.17	Horizontal
3	1728.9364	-61.12	-50.28	-13.00	37.28	Horizontal
4	2999.8000	-65.67	-45.31	-13.00	32.31	Horizontal
5	5296.4648	-57.99	-56.46	-13.00	43.46	Horizontal
6	9297.8649	-60.37	-53.64	-13.00	40.64	Horizontal



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7.12. Test Band = LTE_Band=5 BW=20MHz ANT4

7.12.1. Test Channel = High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	44.7058	-71.39	-64.92	-13.00	51.92	Vertical
2	109.3104	-74.71	-59.54	-13.00	46.54	Vertical
3	382.5509	-74.59	-62.13	-13.00	49.13	Vertical
4	2979.5990	-65.55	-45.27	-13.00	32.27	Vertical
5	5293.3147	-57.49	-56.54	-13.00	43.54	Vertical
6	9847.3924	-60.67	-52.92	-13.00	39.92	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 [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	10MHz	QPSK	20450	50RB#0	VL	NT	7.00	0.008444	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	VN	NT	9.00	0.010856	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	VH	NT	10.10	0.012183	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VL	NT	3.60	0.004304	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VN	NT	4.00	0.004782	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	6.10	0.007292	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VL	NT	6.90	0.008175	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VN	NT	4.40	0.005213	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VH	NT	9.80	0.011611	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	VL	NT	9.10	0.010977	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	VN	NT	12.00	0.014475	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	VH	NT	8.50	0.010253	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	VL	NT	3.60	0.004304	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	VN	NT	3.60	0.004304	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	VH	NT	5.30	0.006336	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	VL	NT	7.80	0.009242	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	VN	NT	4.60	0.005450	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	VH	NT	10.80	0.012796	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VL	NT	7.50	0.009047	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VN	NT	12.60	0.015199	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VH	NT	6.10	0.007358	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VL	NT	6.00	0.007173	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VN	NT	2.30	0.002750	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VH	NT	2.00	0.002391	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VL	NT	7.70	0.009123	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VN	NT	4.70	0.005569	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VH	NT	8.30	0.009834	±2.5	PASS



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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



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	8.10	0.009771	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-20	8.40	0.010133	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-10	10.70	0.012907	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	0	8.20	0.009891	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	10	8.70	0.010495	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	20	8.30	0.010012	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	30	6.60	0.007961	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	40	9.10	0.010977	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	50	9.60	0.011580	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-30	4.30	0.005140	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	2.20	0.002630	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-10	0.30	0.000359	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	2.40	0.002869	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	5.30	0.006336	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	3.10	0.003706	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	2.90	0.003467	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	4.80	0.005738	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	6.70	0.008010	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-30	10.10	0.011967	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-20	3.00	0.003555	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-10	5.60	0.006635	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	0	6.70	0.007938	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	10	6.30	0.007464	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	20	8.70	0.010308	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	30	9.30	0.011019	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	40	9.40	0.011137	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	50	9.60	0.011374	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	-30	10.40	0.012545	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	-20	6.70	0.008082	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	-10	13.10	0.015802	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	0	10.60	0.012786	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	10	6.00	0.007238	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	20	6.60	0.007961	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	30	6.70	0.008082	±2.5	PASS





Band5	10MHz	64QAM	20450	50RB#0	NV	40	10.30	0.012425	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	50	10.80	0.013028	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	-30	2.20	0.002630	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	-20	4.50	0.005380	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	-10	2.20	0.002630	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	0	2.20	0.002630	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	10	6.50	0.007770	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	20	5.70	0.006814	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	30	2.20	0.002630	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	40	7.40	0.008846	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	50	5.50	0.006575	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	-30	9.30	0.011019	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	-20	9.10	0.010782	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	-10	9.10	0.010782	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	0	6.70	0.007938	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	10	6.70	0.007938	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	20	8.70	0.010308	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	30	7.40	0.008768	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	40	8.70	0.010308	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	50	6.50	0.007701	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	-30	8.80	0.010615	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	-20	8.90	0.010736	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	-10	6.00	0.007238	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	0	8.90	0.010736	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	10	9.70	0.011701	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	20	9.50	0.011460	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	30	11.00	0.013269	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	40	7.10	0.008565	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	50	11.20	0.013510	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	-30	5.90	0.007053	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	-20	4.80	0.005738	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	-10	6.70	0.008010	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	0	7.90	0.009444	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	10	4.40	0.005260	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	20	4.00	0.004782	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	30	4.80	0.005738	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	40	5.30	0.006336	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	50	2.40	0.002869	±2.5	PASS





Band5	10MHz	16QAM	20600	50RB#0	NV	-30	10.10	0.011967	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	-20	13.00	0.015403	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	-10	4.80	0.005687	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	0	8.00	0.009479	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	10	4.60	0.005450	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	20	8.40	0.009953	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	30	8.90	0.010545	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	40	8.60	0.010190	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	50	8.10	0.009597	±2.5	PASS



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