



Appendix B

E-UTRA Band 5



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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	22.77	15.72	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	22.41	15.36	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	22.96	15.91	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	22.45	15.40	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	22.44	15.39	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	22.57	15.52	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	21.49	14.44	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	22.90	15.85	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	22.66	15.61	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.02	15.97	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	22.48	15.43	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	22.60	15.55	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	22.55	15.50	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	21.55	14.50	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	22.96	15.91	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	22.65	15.60	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	22.80	15.75	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	22.65	15.60	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	22.78	15.73	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	22.76	15.71	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	21.79	14.74	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	20.68	13.63	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#2	20.83	13.78	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#5	20.77	13.72	38.45	PASS
Band5	1.4MHz	64QAM	20407	3RB#0	20.75	13.70	38.45	PASS
Band5	1.4MHz	64QAM	20407	3RB#1	20.57	13.52	38.45	PASS
Band5	1.4MHz	64QAM	20407	3RB#3	20.66	13.61	38.45	PASS



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Band5	1.4MHz	64QAM	20407	6RB#0	19.29	12.24	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	20.76	13.71	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#2	20.96	13.91	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#5	20.87	13.82	38.45	PASS
Band5	1.4MHz	64QAM	20525	3RB#0	20.60	13.55	38.45	PASS
Band5	1.4MHz	64QAM	20525	3RB#1	20.77	13.72	38.45	PASS
Band5	1.4MHz	64QAM	20525	3RB#3	20.79	13.74	38.45	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	19.38	12.33	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	21.04	13.99	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#2	20.61	13.56	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#5	20.67	13.62	38.45	PASS
Band5	1.4MHz	64QAM	20643	3RB#0	20.56	13.51	38.45	PASS
Band5	1.4MHz	64QAM	20643	3RB#1	20.62	13.57	38.45	PASS
Band5	1.4MHz	64QAM	20643	3RB#3	20.71	13.66	38.45	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	19.41	12.36	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	21.69	14.64	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	21.99	14.94	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.05	15.00	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	21.54	14.49	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	21.55	14.50	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	21.49	14.44	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	20.52	13.47	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.21	15.16	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.21	15.16	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.16	15.11	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	21.51	14.46	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	21.62	14.57	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	21.62	14.57	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	20.58	13.53	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.15	15.10	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.02	14.97	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	21.95	14.90	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	21.82	14.77	38.45	PASS



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Band5	1.4MHz	16QAM	20643	3RB#1	21.76	14.71	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	21.78	14.73	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	20.80	13.75	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	22.60	15.55	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	22.41	15.36	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	22.29	15.24	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#0	21.36	14.31	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#4	21.38	14.33	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#7	21.38	14.33	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	21.36	14.31	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	22.75	15.70	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	22.39	15.34	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	22.45	15.40	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#0	21.44	14.39	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#4	21.46	14.41	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#7	21.48	14.43	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	21.50	14.45	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	22.86	15.81	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	22.84	15.79	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	22.55	15.50	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#0	21.59	14.54	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#4	21.59	14.54	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#7	21.59	14.54	38.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	21.61	14.56	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#0	20.68	13.63	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#8	20.88	13.83	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#14	20.78	13.73	38.45	PASS
Band5	3MHz	64QAM	20415	8RB#0	19.34	12.29	38.45	PASS
Band5	3MHz	64QAM	20415	8RB#4	19.33	12.28	38.45	PASS
Band5	3MHz	64QAM	20415	8RB#7	19.26	12.21	38.45	PASS
Band5	3MHz	64QAM	20415	15RB#0	19.29	12.24	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#0	20.76	13.71	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#8	21.03	13.98	38.45	PASS



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Band5	3MHz	64QAM	20525	1RB#14	20.82	13.77	38.45	PASS
Band5	3MHz	64QAM	20525	8RB#0	19.24	12.19	38.45	PASS
Band5	3MHz	64QAM	20525	8RB#4	19.30	12.25	38.45	PASS
Band5	3MHz	64QAM	20525	8RB#7	19.34	12.29	38.45	PASS
Band5	3MHz	64QAM	20525	15RB#0	19.38	12.33	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#0	21.04	13.99	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#8	20.72	13.67	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#14	21.02	13.97	38.45	PASS
Band5	3MHz	64QAM	20635	8RB#0	19.54	12.49	38.45	PASS
Band5	3MHz	64QAM	20635	8RB#4	19.45	12.40	38.45	PASS
Band5	3MHz	64QAM	20635	8RB#7	19.41	12.36	38.45	PASS
Band5	3MHz	64QAM	20635	15RB#0	19.41	12.36	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	21.88	14.83	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.13	15.08	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.00	14.95	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#0	20.44	13.39	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#4	20.43	13.38	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#7	20.38	13.33	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	20.39	13.34	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	21.98	14.93	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.26	15.21	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.01	14.96	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#0	20.38	13.33	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#4	20.41	13.36	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#7	20.46	13.41	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	20.50	13.45	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.25	15.20	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	21.91	14.86	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.22	15.17	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#0	20.63	13.58	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#4	20.54	13.49	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#7	20.51	13.46	38.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	20.53	13.48	38.45	PASS



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Band5	5MHz	QPSK	20425	1RB#0	22.68	15.63	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	22.46	15.41	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	22.37	15.32	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#0	21.44	14.39	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#6	21.48	14.43	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#13	21.47	14.42	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	21.43	14.38	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	22.84	15.79	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	22.49	15.44	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	22.54	15.49	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#0	21.51	14.46	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#6	21.54	14.49	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#13	21.57	14.52	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	21.55	14.50	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	22.91	15.86	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	22.93	15.88	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	22.64	15.59	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#0	21.69	14.64	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#6	21.69	14.64	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#13	21.64	14.59	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	21.68	14.63	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#0	20.46	13.41	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#12	20.78	13.73	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#24	20.83	13.78	38.45	PASS
Band5	5MHz	64QAM	20425	12RB#0	19.40	12.35	38.45	PASS
Band5	5MHz	64QAM	20425	12RB#6	19.40	12.35	38.45	PASS
Band5	5MHz	64QAM	20425	12RB#13	19.39	12.34	38.45	PASS
Band5	5MHz	64QAM	20425	25RB#0	19.42	12.37	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#0	20.97	13.92	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#12	20.99	13.94	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#24	20.97	13.92	38.45	PASS
Band5	5MHz	64QAM	20525	12RB#0	19.38	12.33	38.45	PASS
Band5	5MHz	64QAM	20525	12RB#6	19.49	12.44	38.45	PASS



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Band5	5MHz	64QAM	20525	12RB#13	19.50	12.45	38.45	PASS
Band5	5MHz	64QAM	20525	25RB#0	19.47	12.42	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#0	20.92	13.87	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#12	20.78	13.73	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#24	20.73	13.68	38.45	PASS
Band5	5MHz	64QAM	20625	12RB#0	19.69	12.64	38.45	PASS
Band5	5MHz	64QAM	20625	12RB#6	19.61	12.56	38.45	PASS
Band5	5MHz	64QAM	20625	12RB#13	19.67	12.62	38.45	PASS
Band5	5MHz	64QAM	20625	25RB#0	19.69	12.64	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	21.98	14.93	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.18	15.13	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.08	15.03	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#0	20.54	13.49	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#6	20.53	13.48	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#13	20.46	13.41	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	20.49	13.44	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.06	15.01	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.33	15.28	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.12	15.07	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#0	20.44	13.39	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#6	20.50	13.45	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#13	20.54	13.49	38.45	PASS
Band5	5MHz	16QAM	20525	25RB#0	20.58	13.53	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.34	15.29	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.02	14.97	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.32	15.27	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#0	20.74	13.69	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#6	20.65	13.60	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#13	20.61	13.56	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	20.61	13.56	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	22.83	15.78	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	22.50	15.45	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.04	15.99	38.45	PASS



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Band5	10MHz	QPSK	20450	25RB#0	21.53	14.48	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#12	21.55	14.50	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#25	21.68	14.63	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	21.58	14.53	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	22.96	15.91	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	22.74	15.69	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.11	16.06	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#0	21.57	14.52	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#12	21.66	14.61	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#25	21.93	14.88	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	21.64	14.59	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	22.96	15.91	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	22.72	15.67	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	22.98	15.93	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#0	21.75	14.70	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#12	21.89	14.84	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#25	21.82	14.77	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	21.85	14.80	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#0	20.58	13.53	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#24	20.83	13.78	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#49	20.70	13.65	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#0	19.24	12.19	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#12	19.23	12.18	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#25	19.18	12.13	38.45	PASS
Band5	10MHz	64QAM	20450	50RB#0	19.19	12.14	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#0	20.68	13.63	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#24	20.96	13.91	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#49	20.71	13.66	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#0	19.18	12.13	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#12	19.21	12.16	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#25	19.26	12.21	38.45	PASS
Band5	10MHz	64QAM	20525	50RB#0	19.30	12.25	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#0	20.95	13.90	38.45	PASS



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Band5	10MHz	64QAM	20600	1RB#24	20.61	13.56	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#49	20.92	13.87	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#0	19.43	12.38	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#12	19.34	12.29	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#25	19.31	12.26	38.45	PASS
Band5	10MHz	64QAM	20600	50RB#0	19.33	12.28	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	21.76	14.71	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.08	15.03	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.13	15.08	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#0	20.60	13.55	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#12	20.60	13.55	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#25	20.59	13.54	38.45	PASS
Band5	10MHz	16QAM	20450	50RB#0	20.62	13.57	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.27	15.22	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.29	15.24	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.27	15.22	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#0	20.58	13.53	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#12	20.69	13.64	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#25	20.70	13.65	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	20.67	13.62	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.22	15.17	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.08	15.03	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.03	14.98	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#0	20.89	13.84	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#12	20.81	13.76	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#25	20.87	13.82	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	20.89	13.84	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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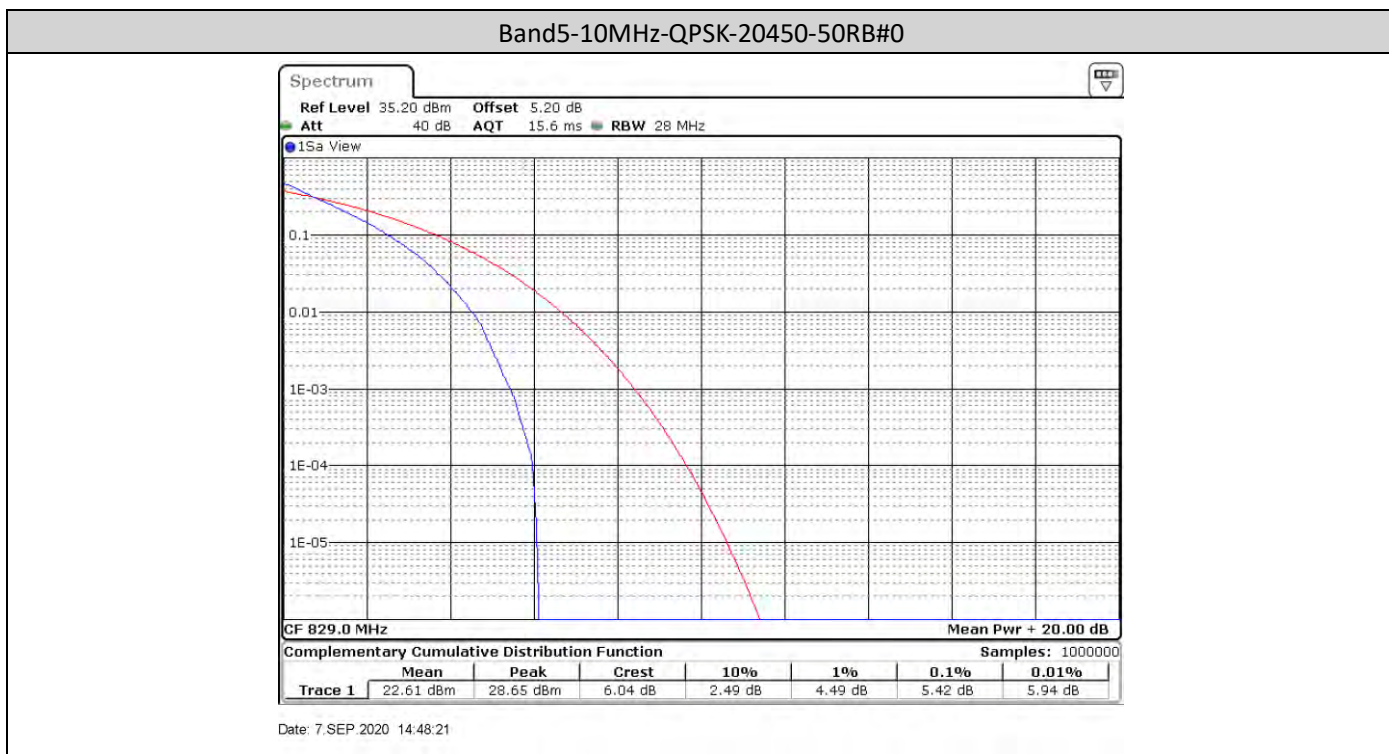


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	10MHz	QPSK	20450	50RB#0	5.42	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.48	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.39	13	PASS
Band5	10MHz	64QAM	20450	50RB#0	6.61	13	PASS
Band5	10MHz	64QAM	20525	50RB#0	6.64	13	PASS
Band5	10MHz	64QAM	20600	50RB#0	6.64	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.26	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.23	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.20	13	PASS

2.2. Test Plots

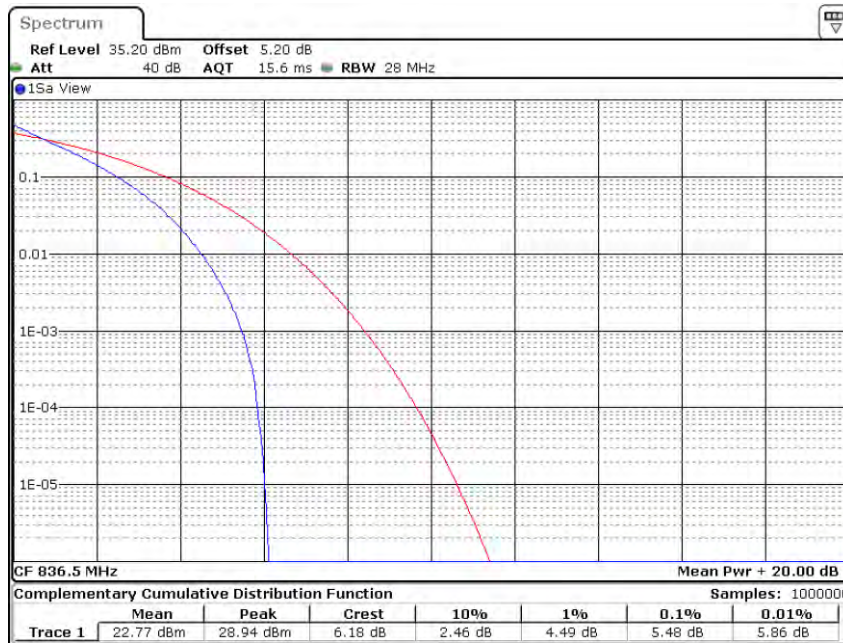


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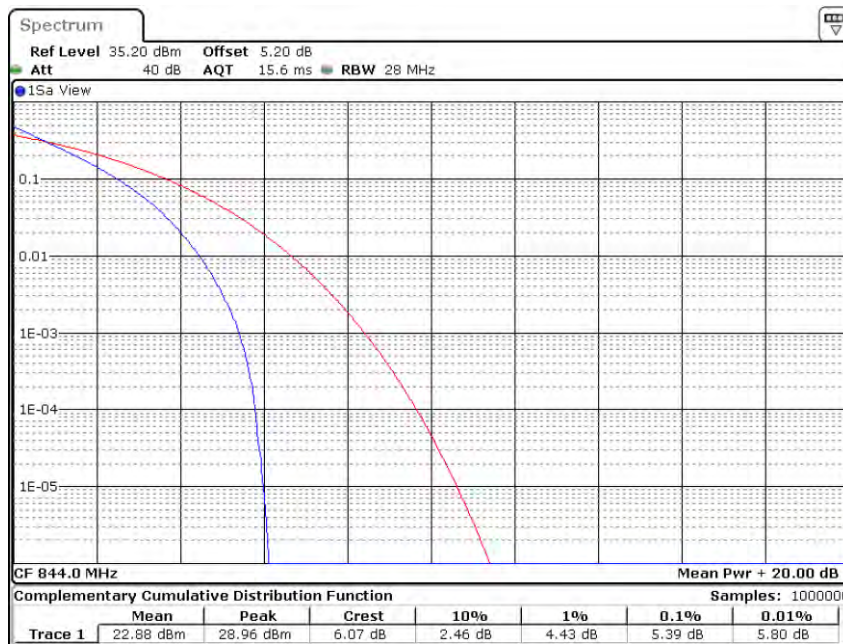
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Band5-10MHz-QPSK-20525-50RB#0



Date: 7 SEP 2020 14:48:44

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



Date: 7 SEP 2020 14:49:06

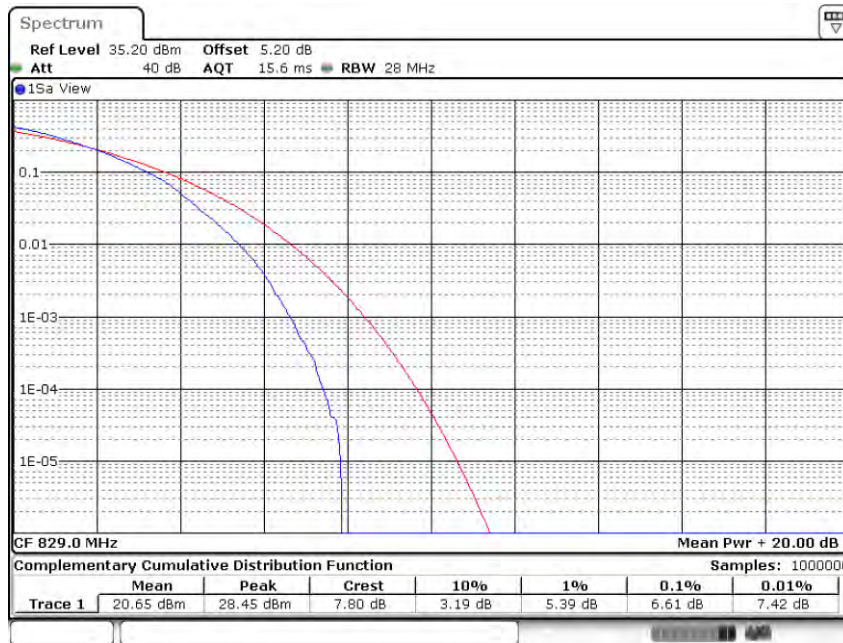


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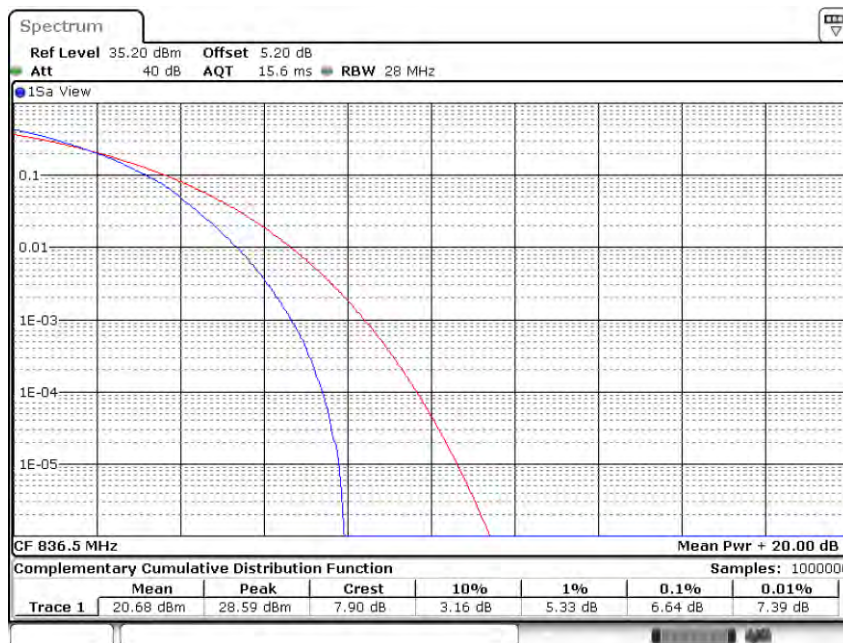
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Band5-10MHz-64QAM-20450-50RB#0



Date: 8 SEP 2020 19:37:57

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



Date: 8 SEP 2020 19:38:09

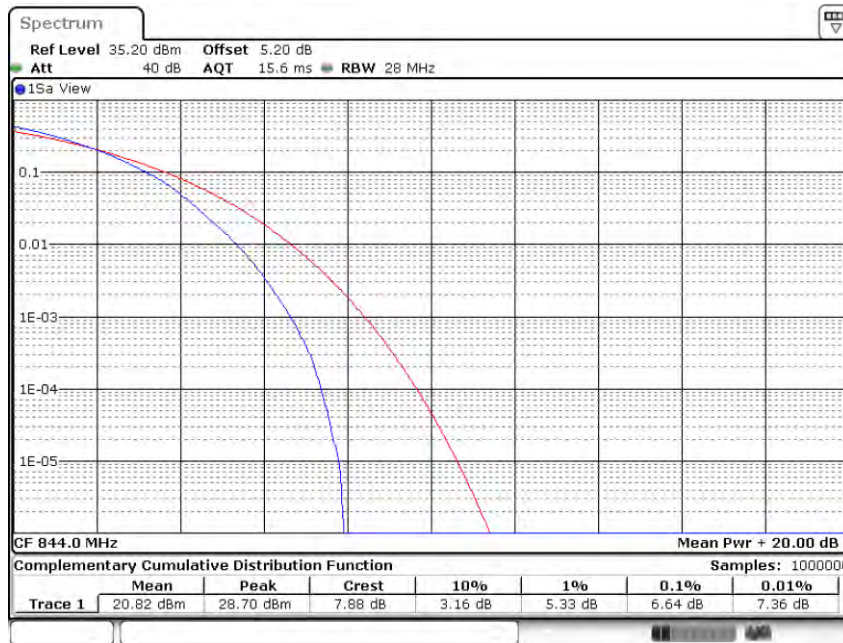


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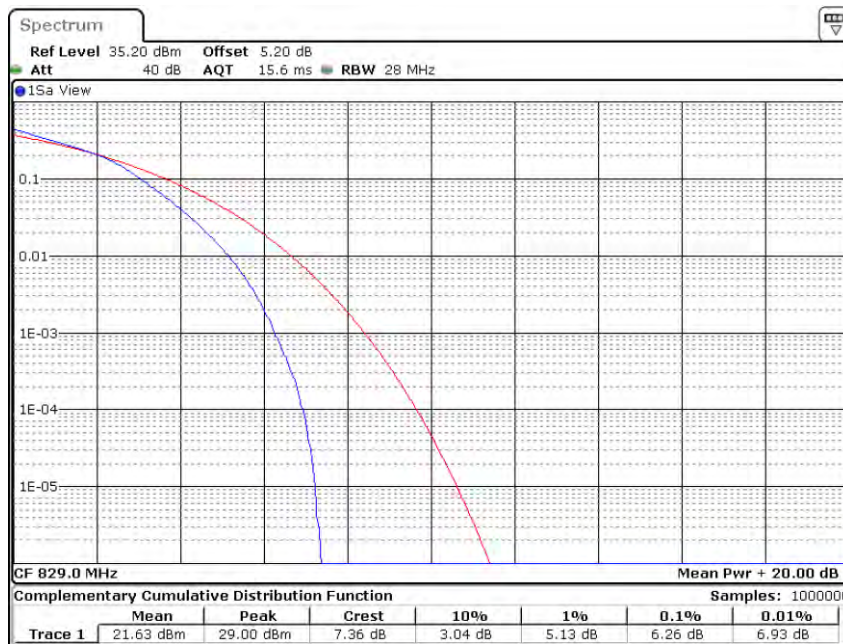
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Band5-10MHz-64QAM-20600-50RB#0



Date: 8 SEP 2020 19:38:21

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



Date: 7 SEP 2020 14:48:33

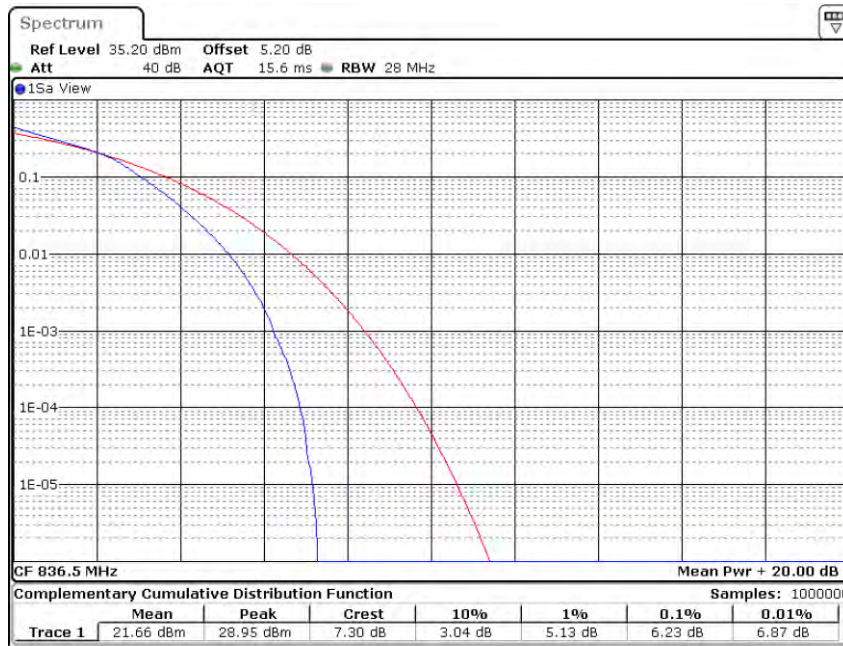


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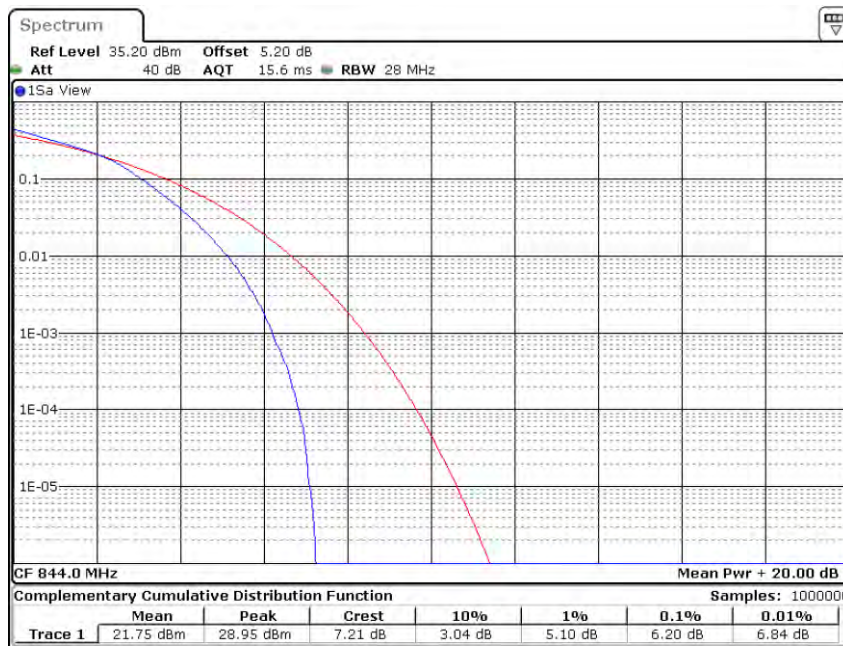
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Band5-10MHz-16QAM-20525-50RB#0



Date: 7 SEP 2020 14:48:55

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



Date: 7 SEP 2020 14:49:18



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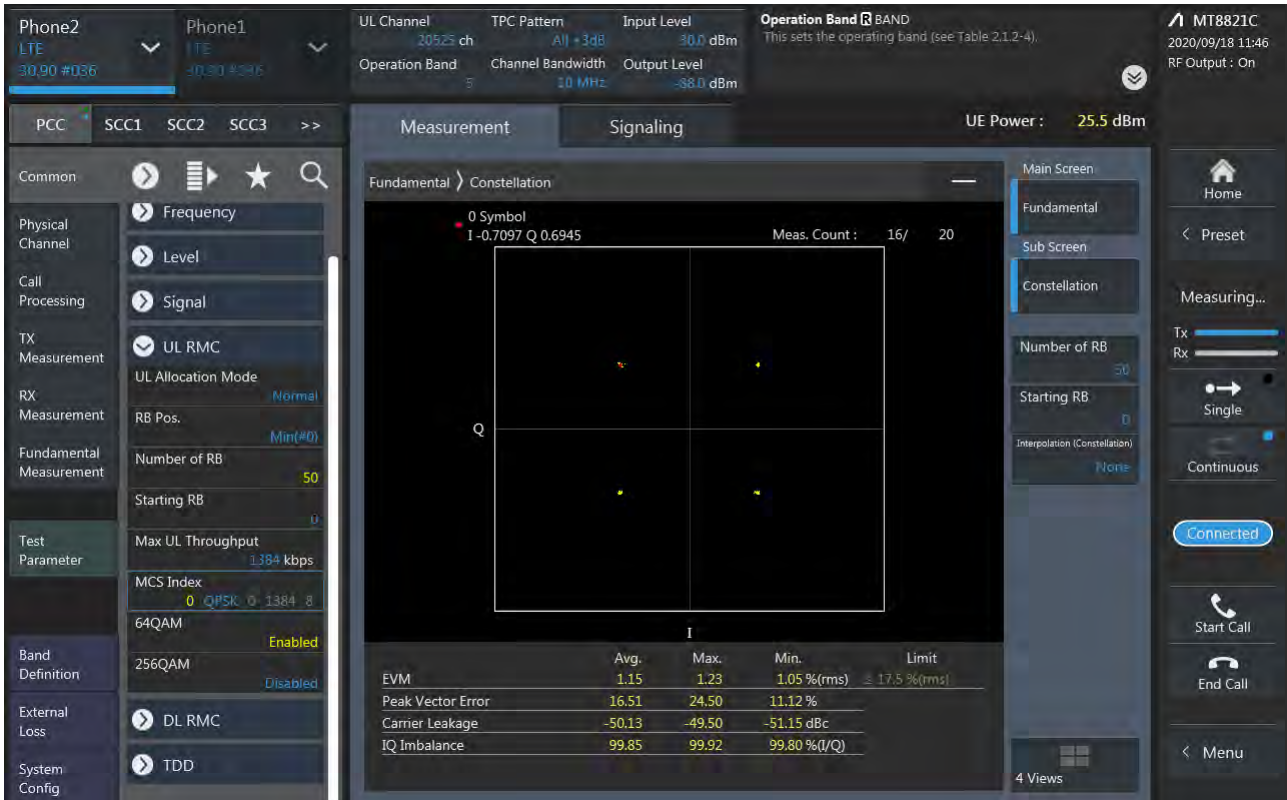
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3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 10MHz

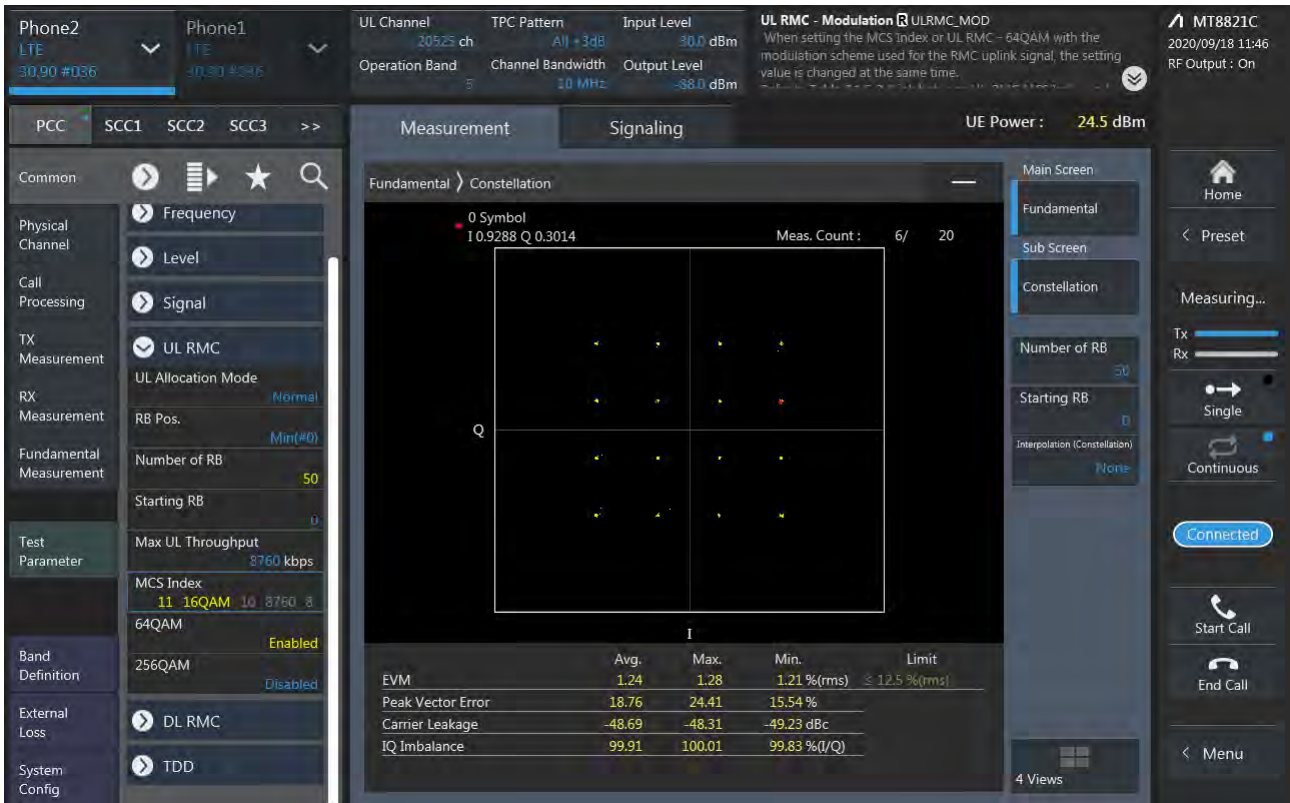
3.1.1. Test Channel = MCH





3.2. Test Mode = LTE /TM2 10MHz

3.2.1. Test Channel = MCH



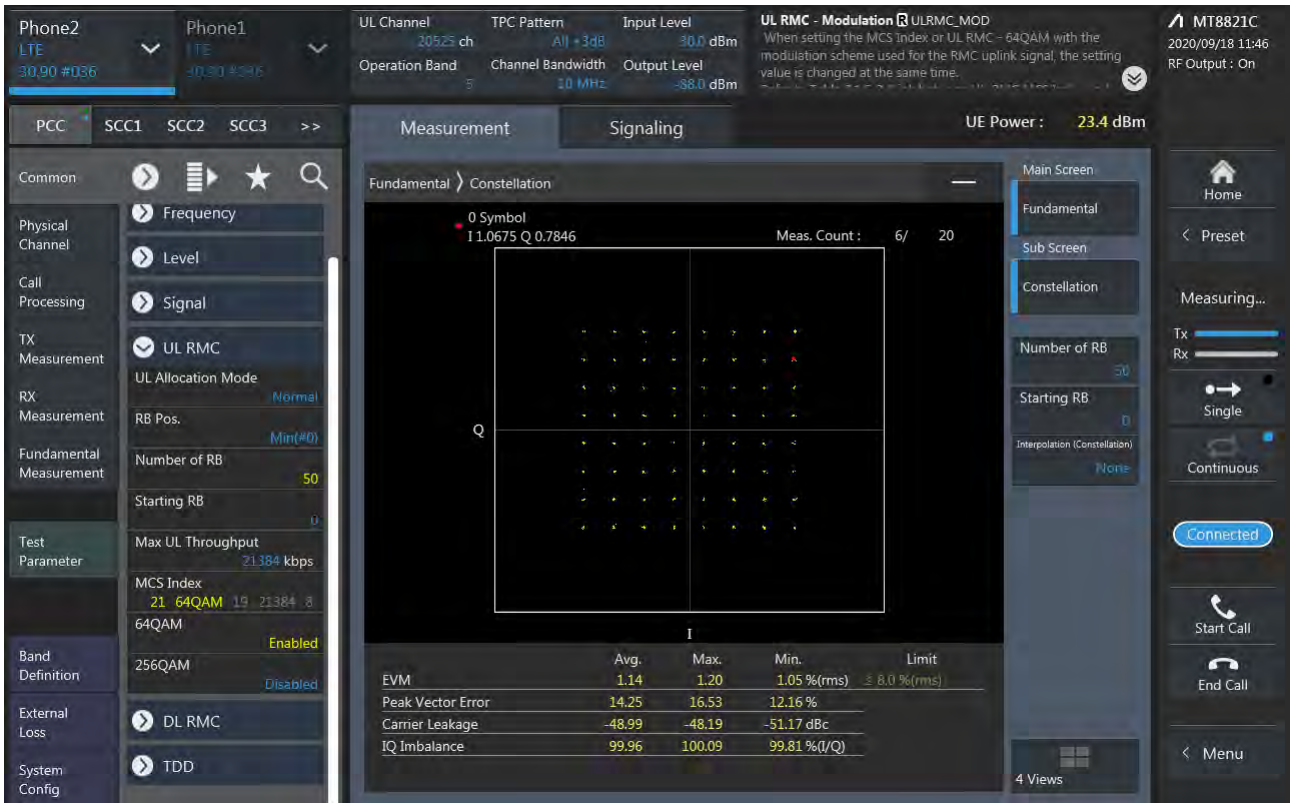
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3.3. Test Mode = LTE /TM3 10MHz

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	1.094	1.287	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.094	1.287	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.091	1.284	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	1.1	1.302	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	1.094	1.302	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	1.097	1.302	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.088	1.290	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.091	1.281	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.091	1.284	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.697	2.994	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.691	2.982	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.697	2.994	PASS
Band5	3MHz	64QAM	20415	15RB#0	2.697	2.970	PASS
Band5	3MHz	64QAM	20525	15RB#0	2.685	2.976	PASS
Band5	3MHz	64QAM	20635	15RB#0	2.691	2.976	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.685	2.976	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.691	2.970	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.685	2.970	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.466	4.930	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.476	4.950	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.476	4.930	PASS
Band5	5MHz	64QAM	20425	25RB#0	4.466	4.910	PASS
Band5	5MHz	64QAM	20525	25RB#0	4.476	4.910	PASS
Band5	5MHz	64QAM	20625	25RB#0	4.476	4.910	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.476	4.940	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.476	4.940	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.486	4.950	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.911	9.740	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.951	9.660	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.931	9.700	PASS



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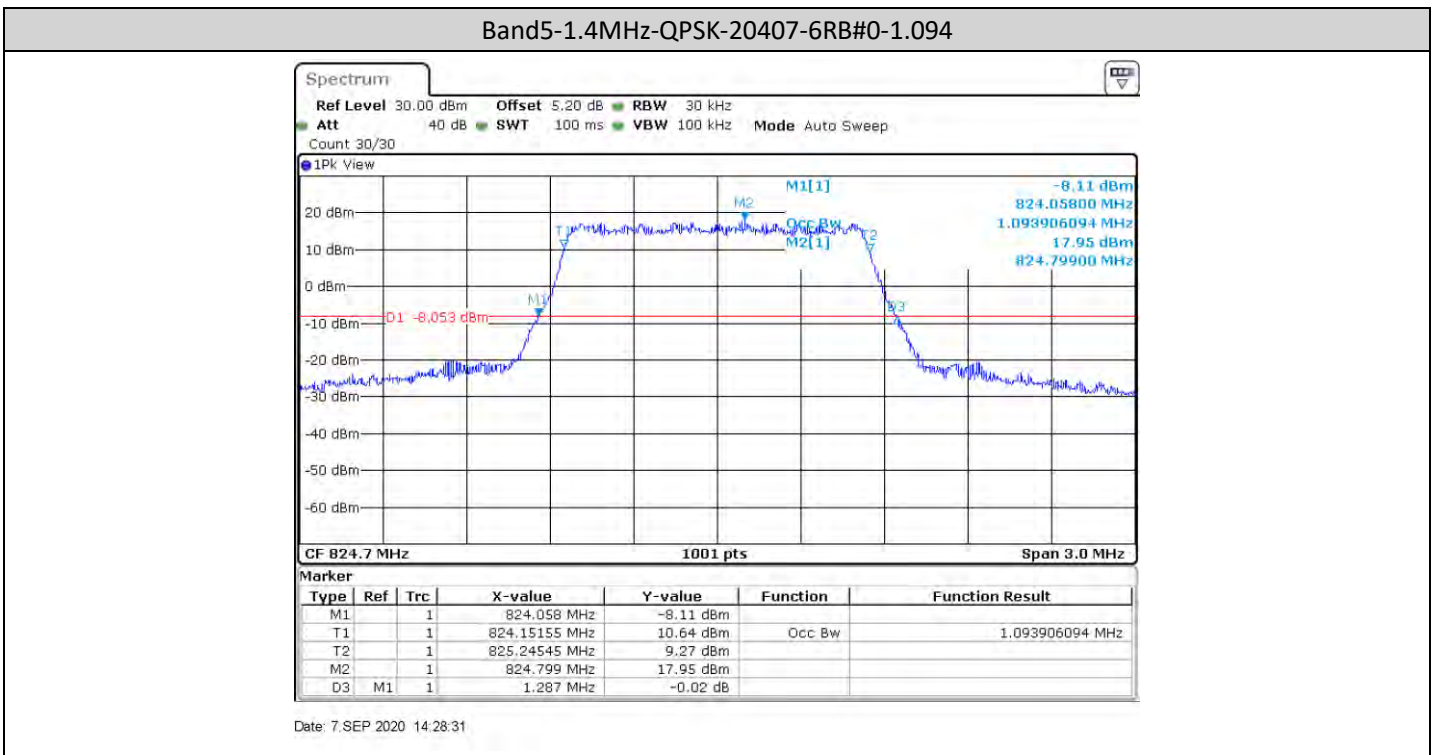
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Band5	10MHz	64QAM	20450	50RB#0	8.911	9.680	PASS
Band5	10MHz	64QAM	20525	50RB#0	8.931	9.700	PASS
Band5	10MHz	64QAM	20600	50RB#0	8.931	9.680	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.911	9.740	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.931	9.780	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.911	9.740	PASS

4.2. Test Plots

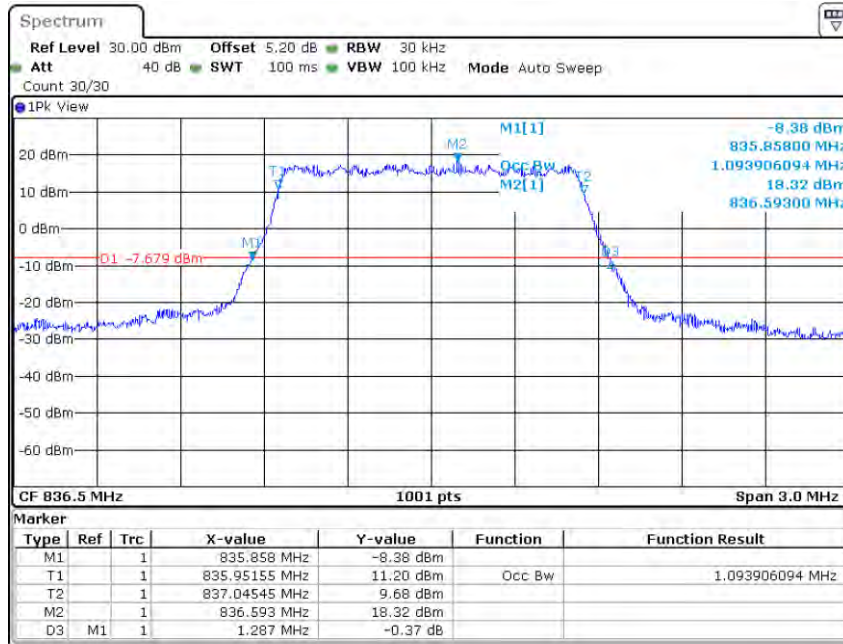


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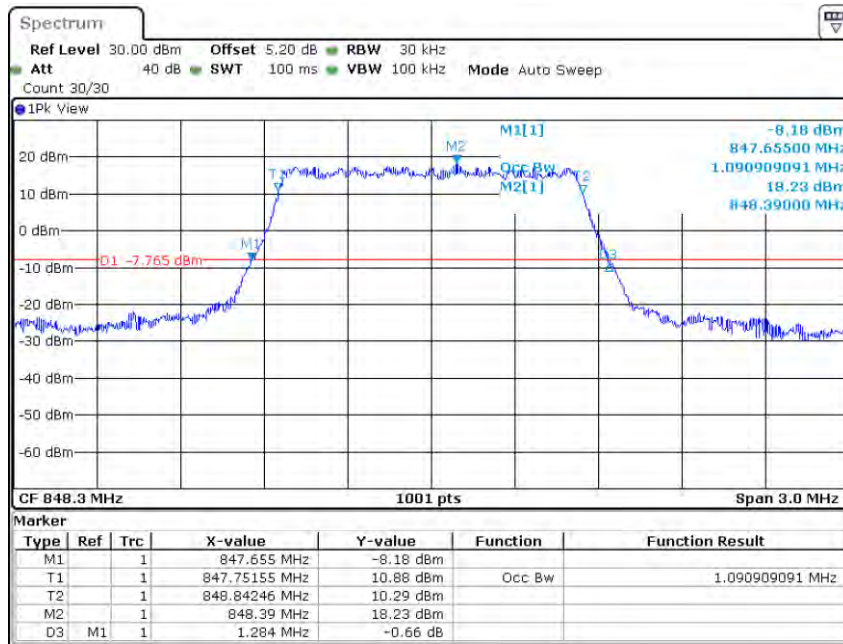
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Band5-1.4MHz-QPSK-20525-6RB#0-1.094



Date: 7 SEP 2020 14:28:57

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



Date: 7 SEP 2020 14:29:22



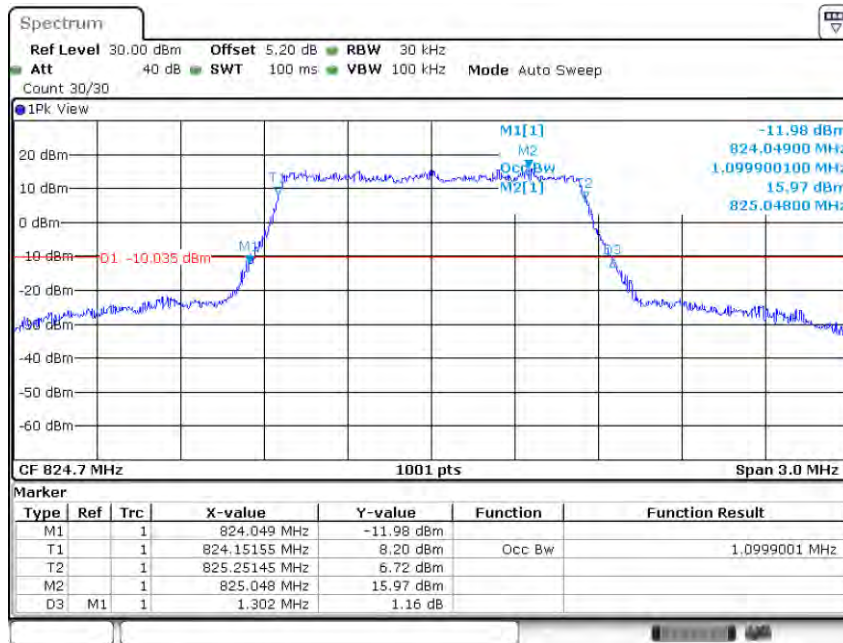
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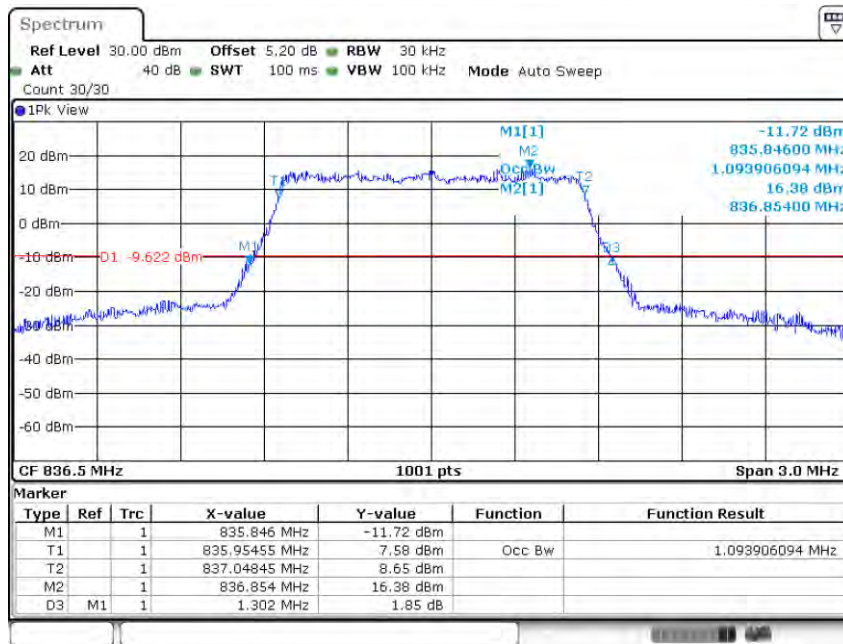


Band5-1.4MHz-64QAM-20407-6RB#0-1.1



Date: 8 SEP 2020 19:27:15

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



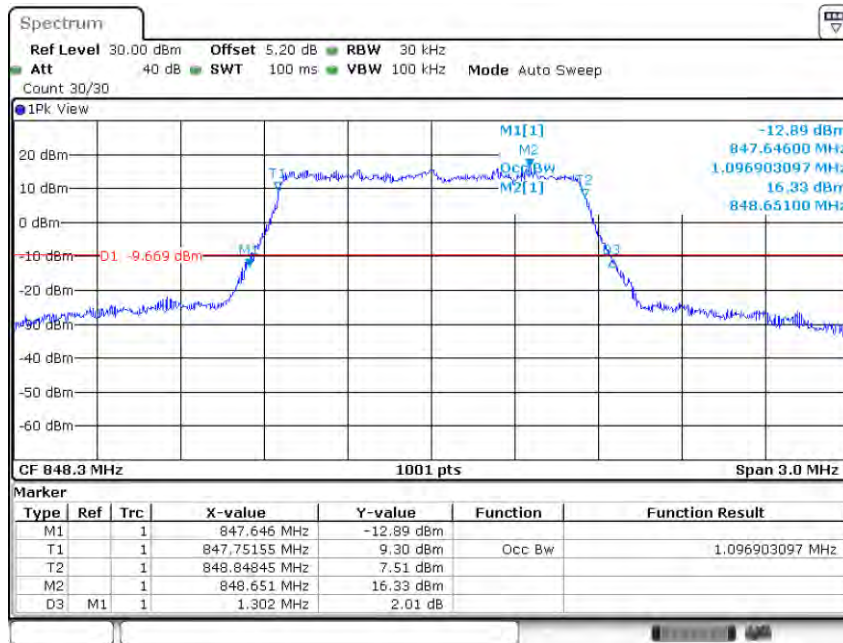
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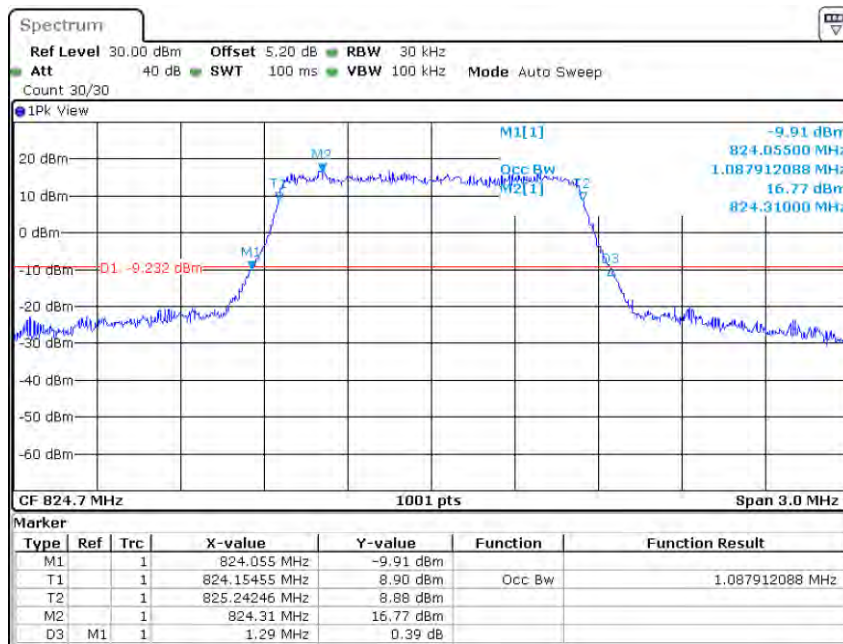


Band5-1.4MHz-64QAM-20643-6RB#0-1.097



Date: 8 SEP 2020 19:27:41

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



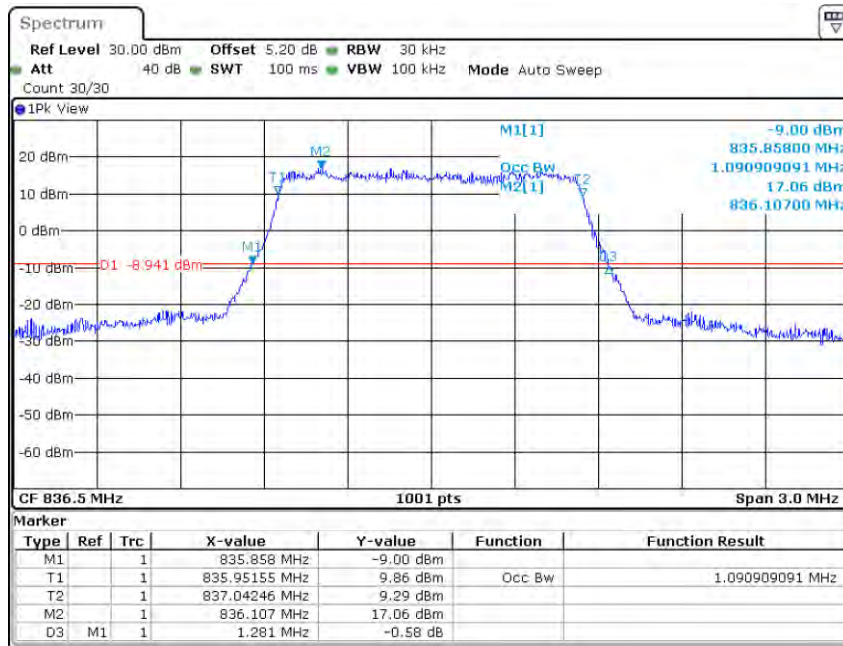
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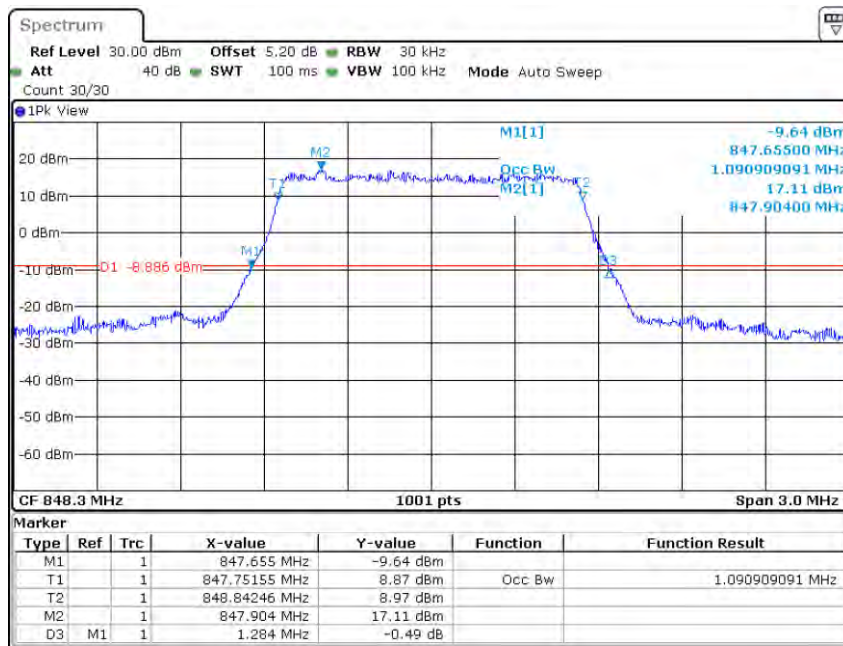


Band5-1.4MHz-16QAM-20525-6RB#0-1.091



Date: 7 SEP 2020 14:29:09

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



Date: 7 SEP 2020 14:29:35



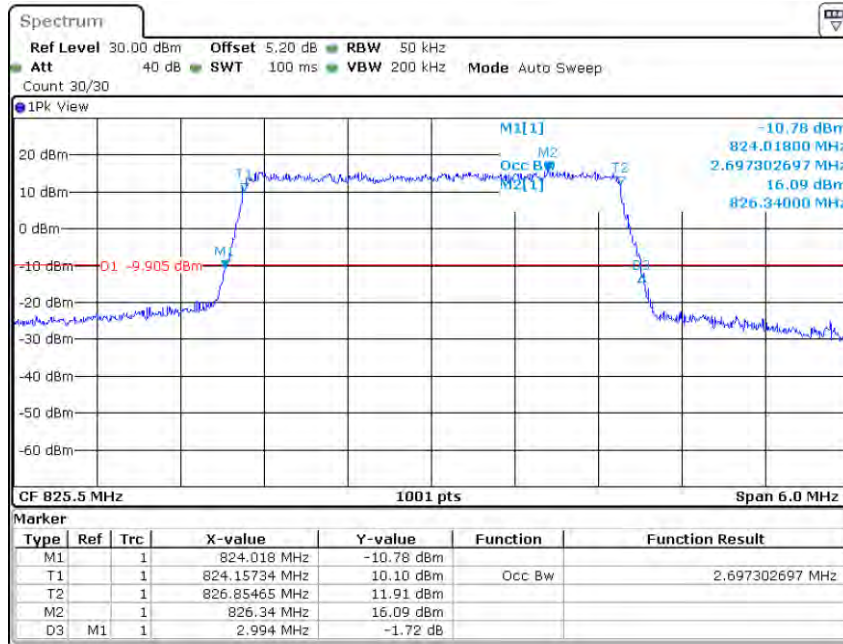
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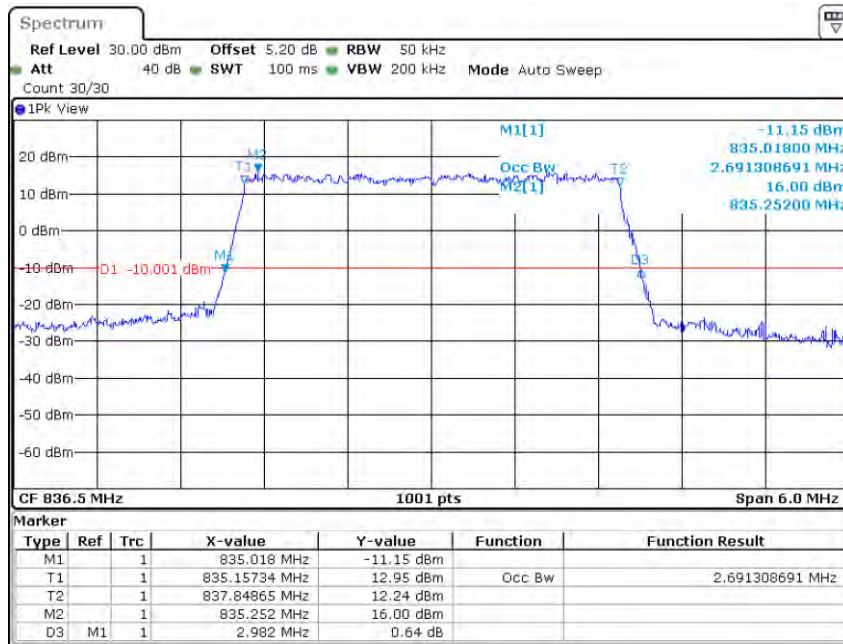


Band5-3MHz-QPSK-20415-15RB#0-2.697



Date: 7 SEP 2020 14:29:54

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



Date: 7 SEP 2020 14:30:19



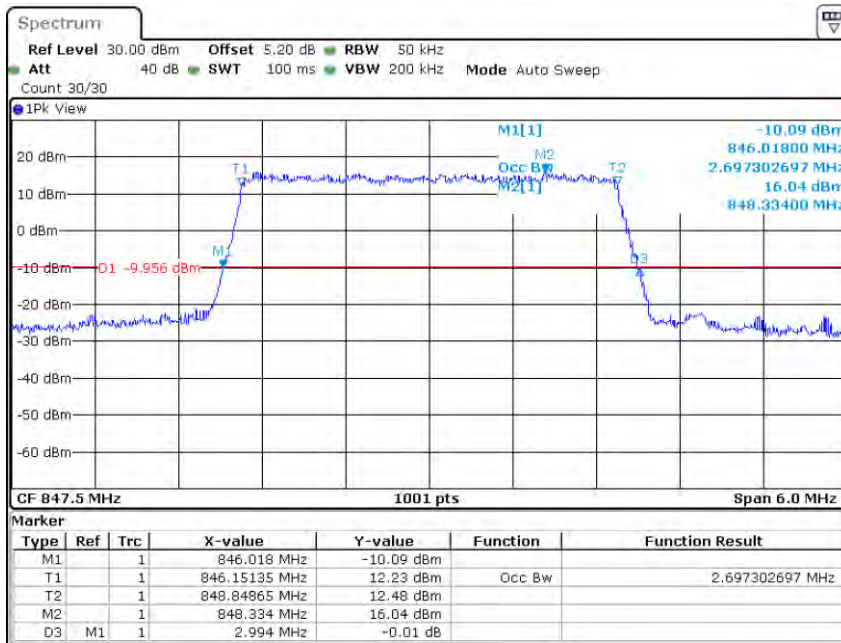
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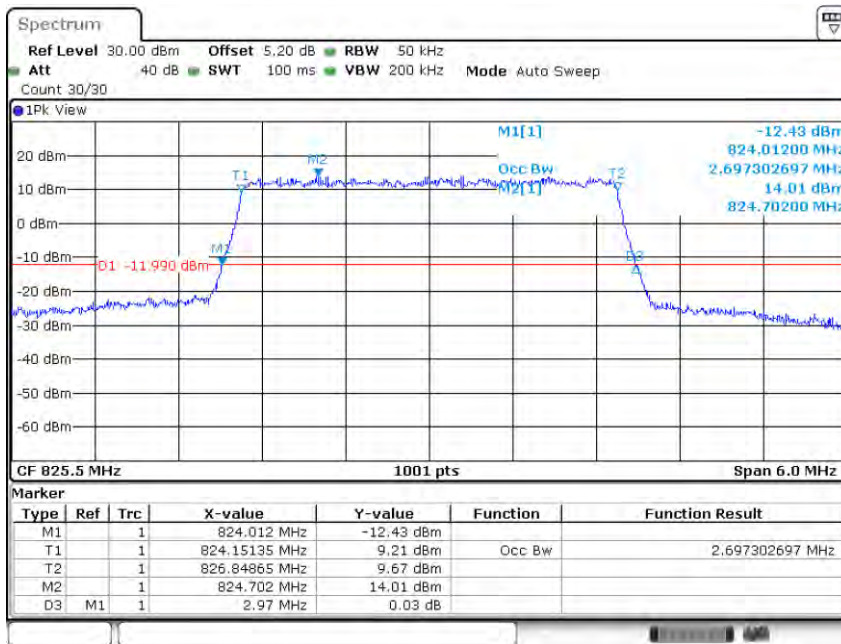


Band5-3MHz-QPSK-20635-15RB#0-2.697



Date: 7 SEP 2020 14:30:45

Band5-3MHz-64QAM-20415-15RB#0-2.697



Date: 8 SEP 2020 19:28:01



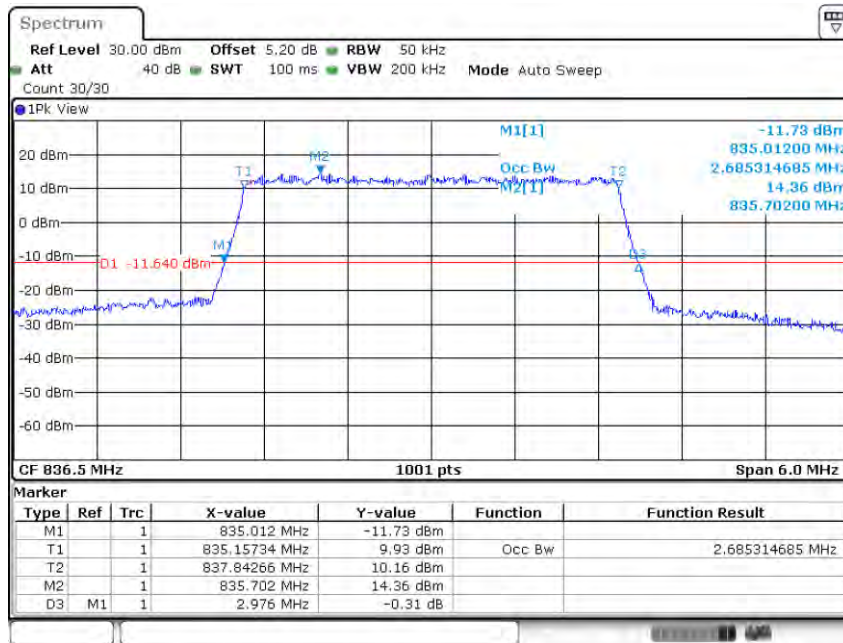
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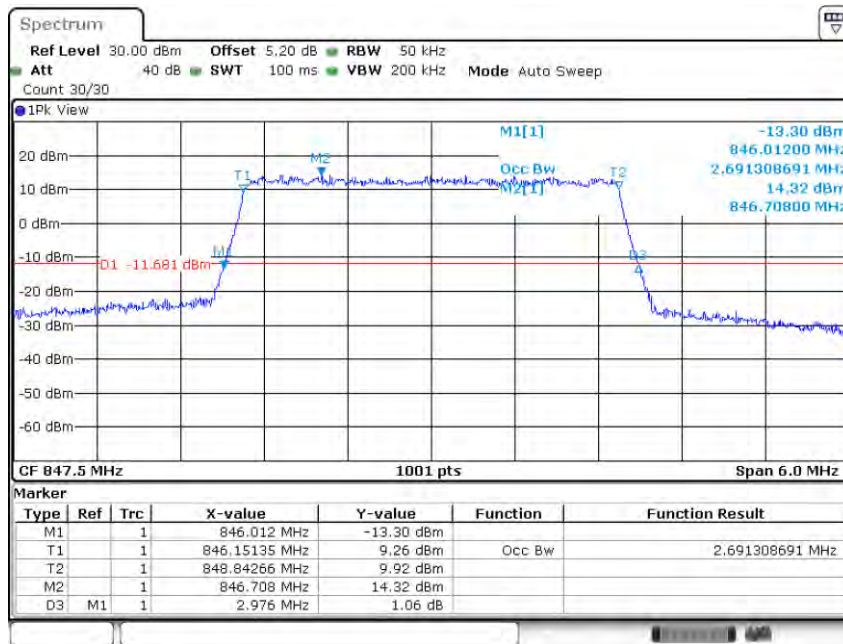


Band5-3MHz-64QAM-20525-15RB#0-2.685



Date: 8 SEP 2020 19:28:13

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



Date: 8 SEP 2020 19:28:26



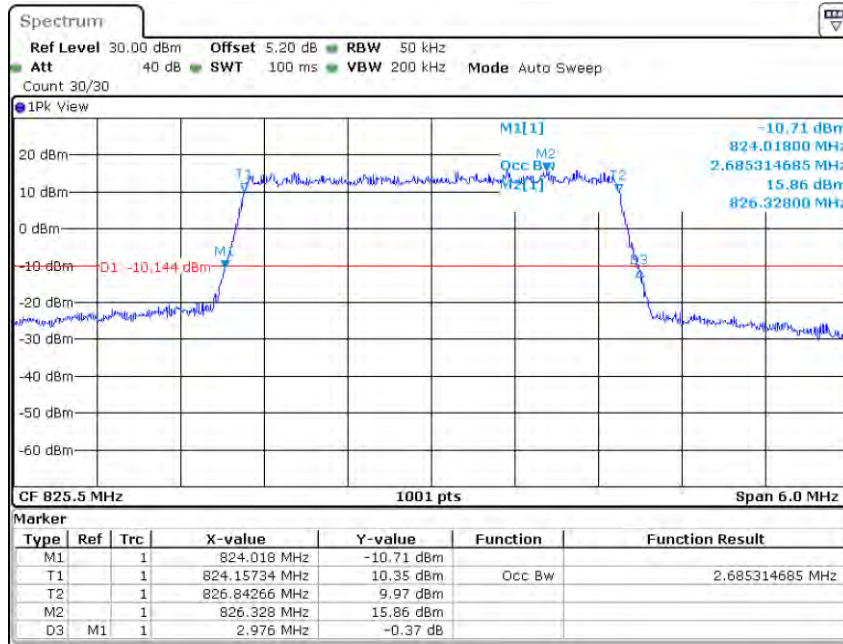
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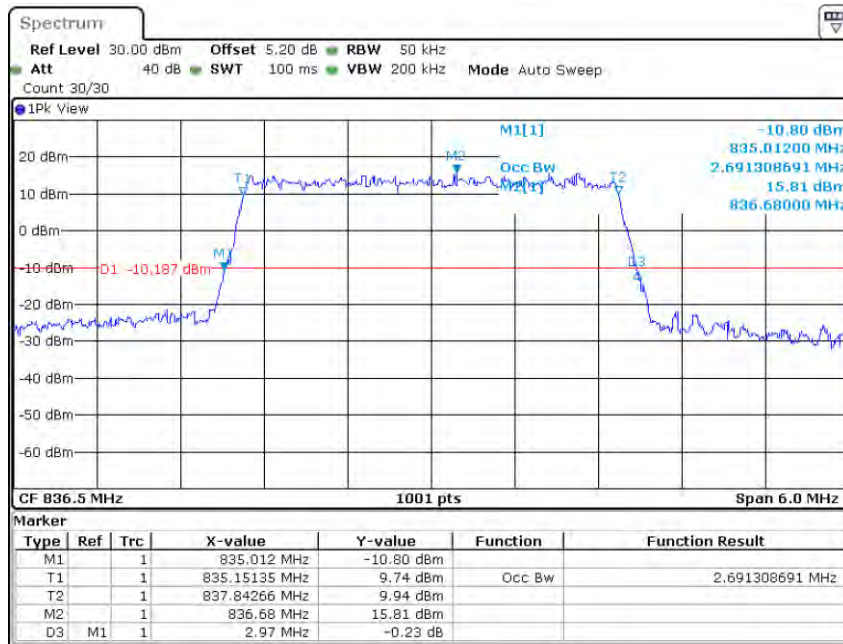


Band5-3MHz-16QAM-20415-15RB#0-2.685



Date: 7 SEP 2020 14:30:06

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



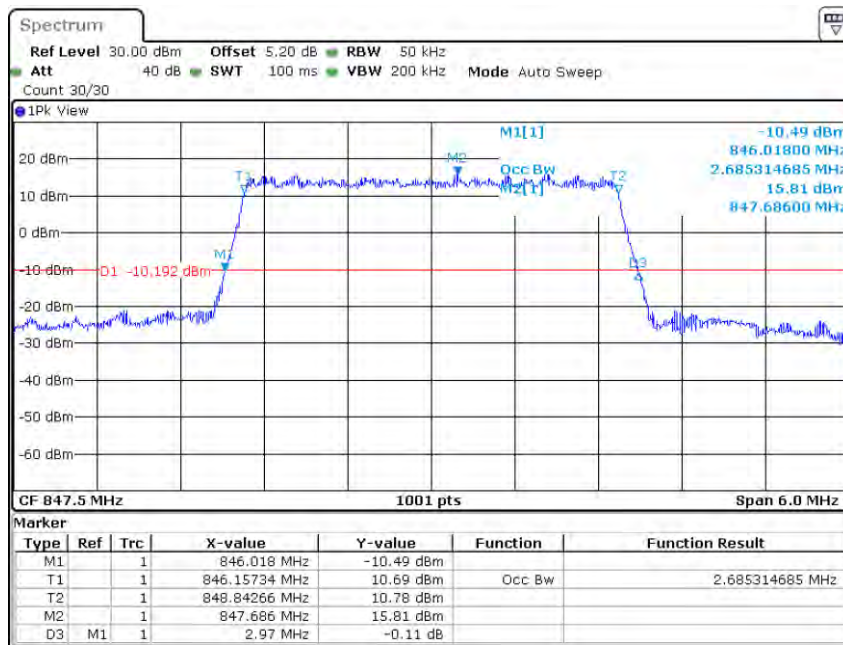
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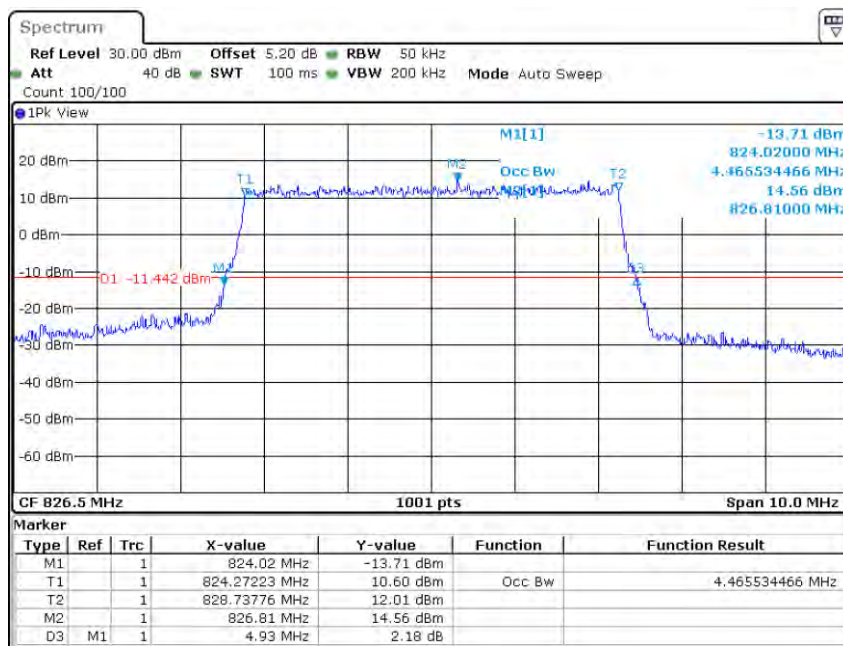


Band5-3MHz-16QAM-20635-15RB#0-2.685



Date: 7 SEP 2020 14:30:57

Band5-5MHz-QPSK-20425-25RB#0-4.466



Date: 7 SEP 2020 14:31:23

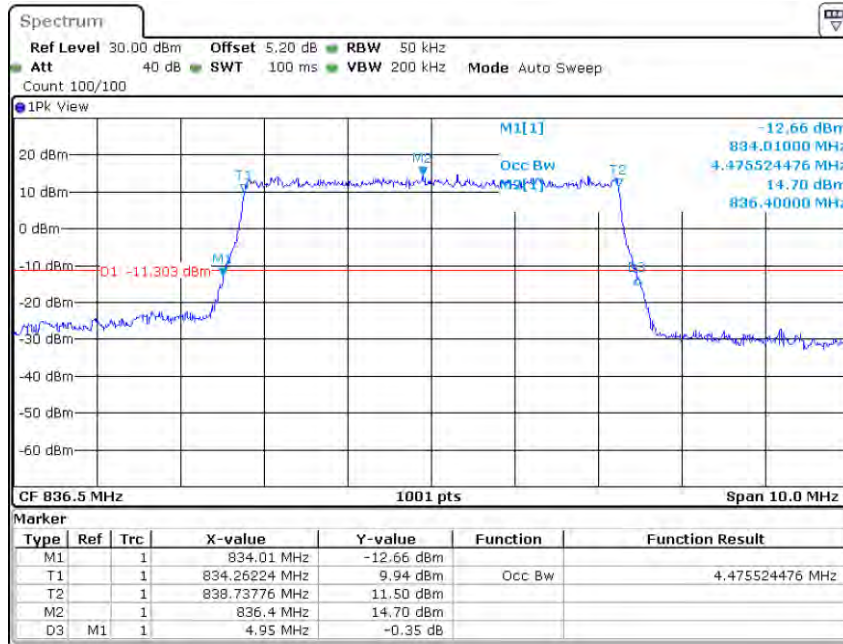


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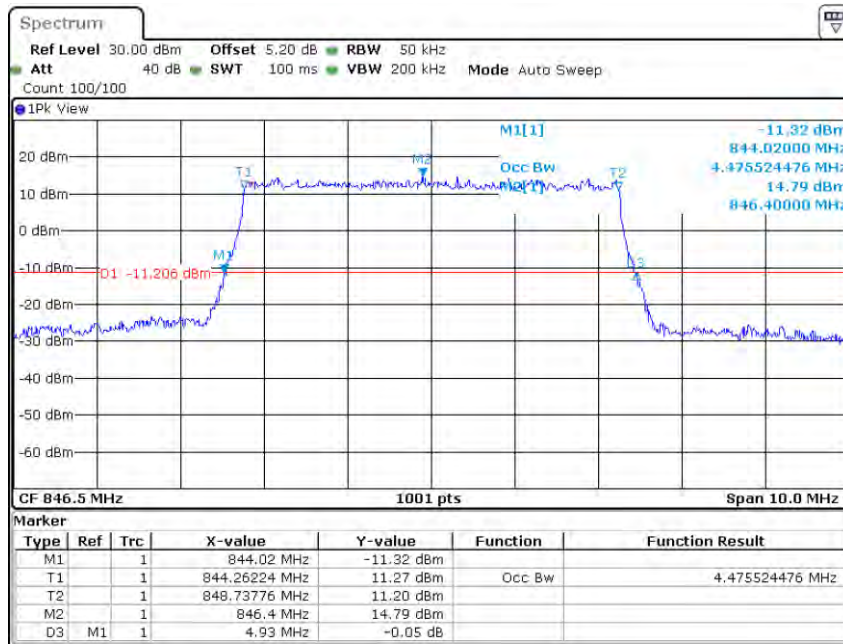


Band5-5MHz-QPSK-20525-25RB#0-4.476



Date: 7.SEP 2020 14:32:02

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



Date: 7.SEP 2020 14:32:42



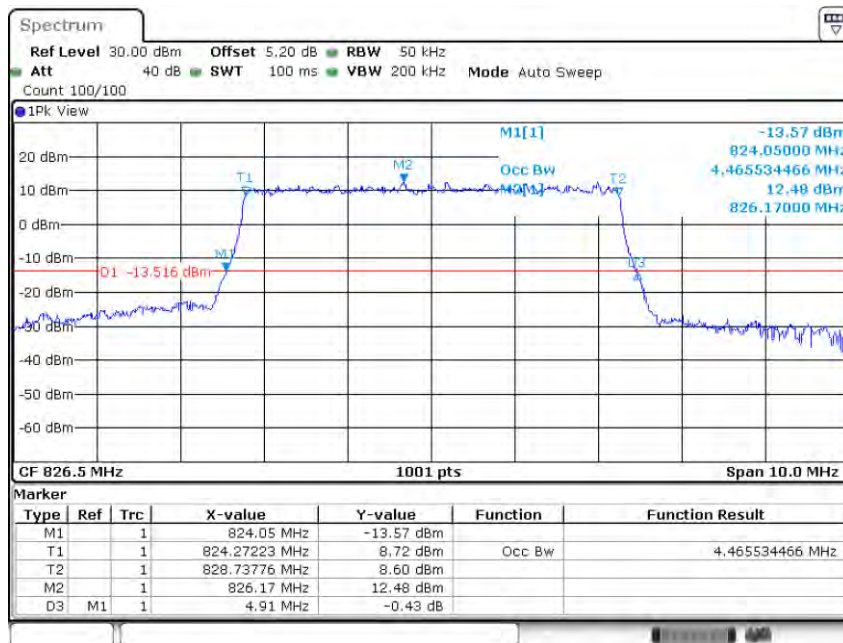
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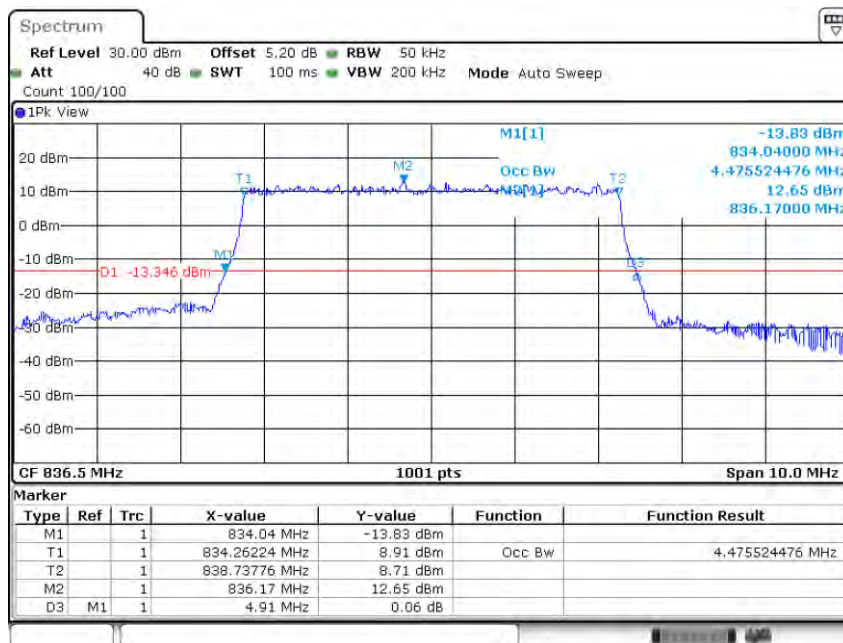


Band5-5MHz-64QAM-20425-25RB#0-4.466



Date: 8 SEP 2020 19:28:53

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



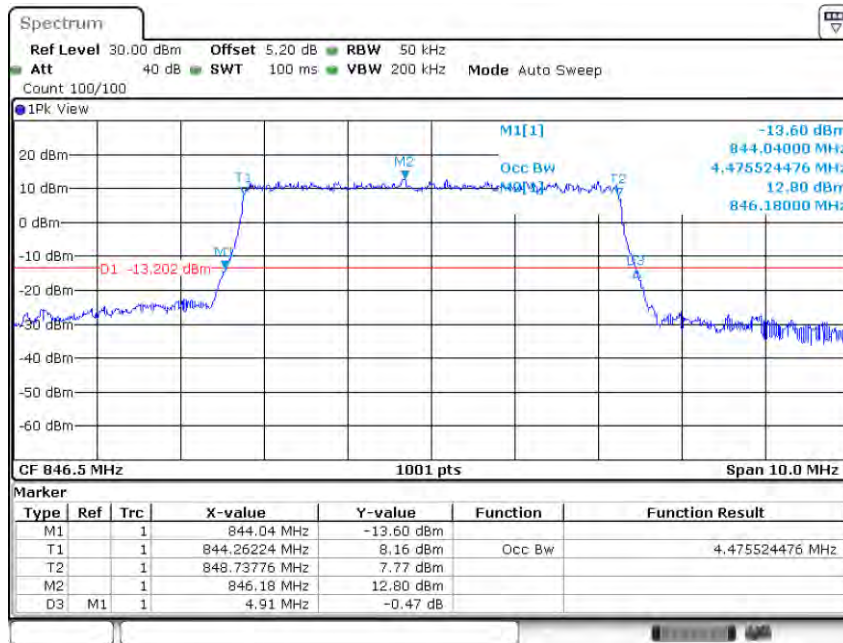
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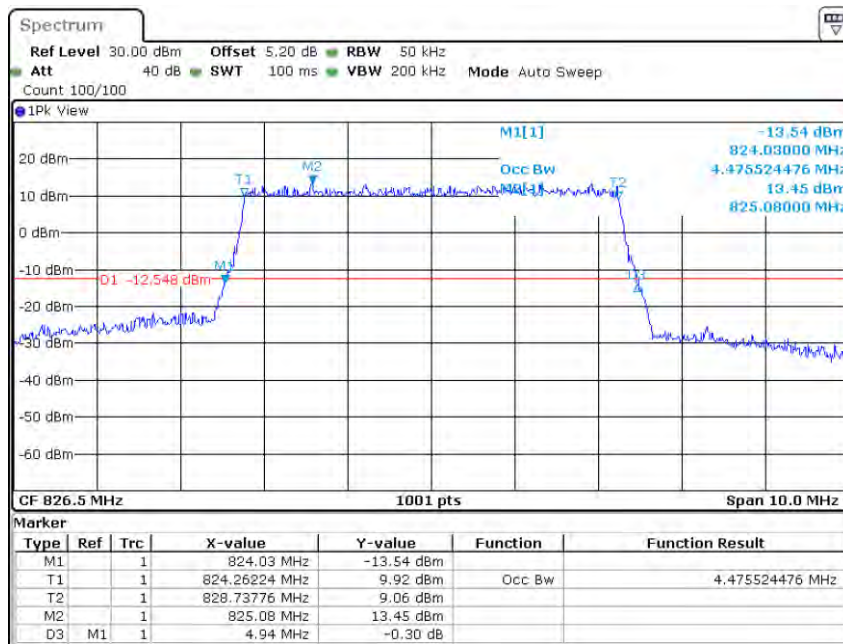


Band5-5MHz-64QAM-20625-25RB#0-4.476



Date: 8 SEP 2020 19:29:33

Band5-5MHz-16QAM-20425-25RB#0-4.476



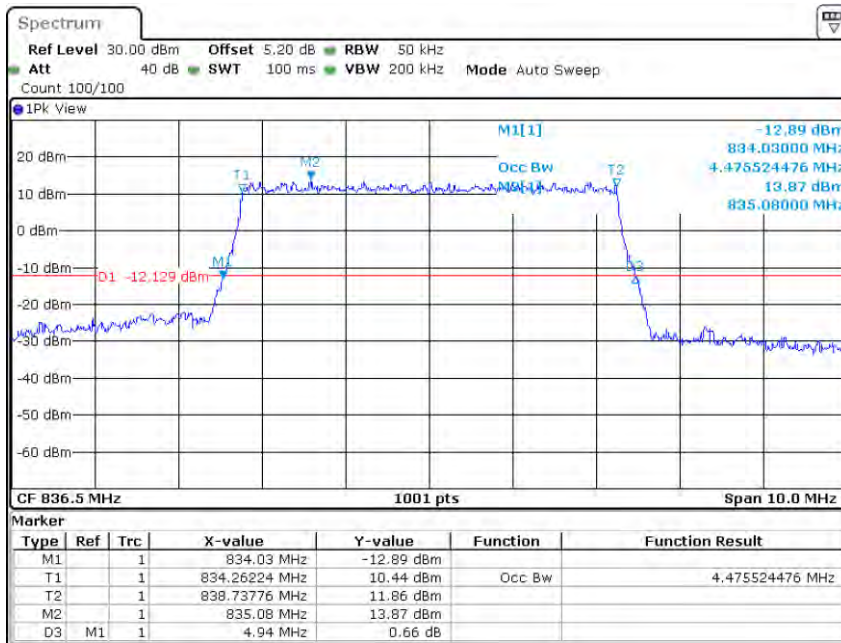
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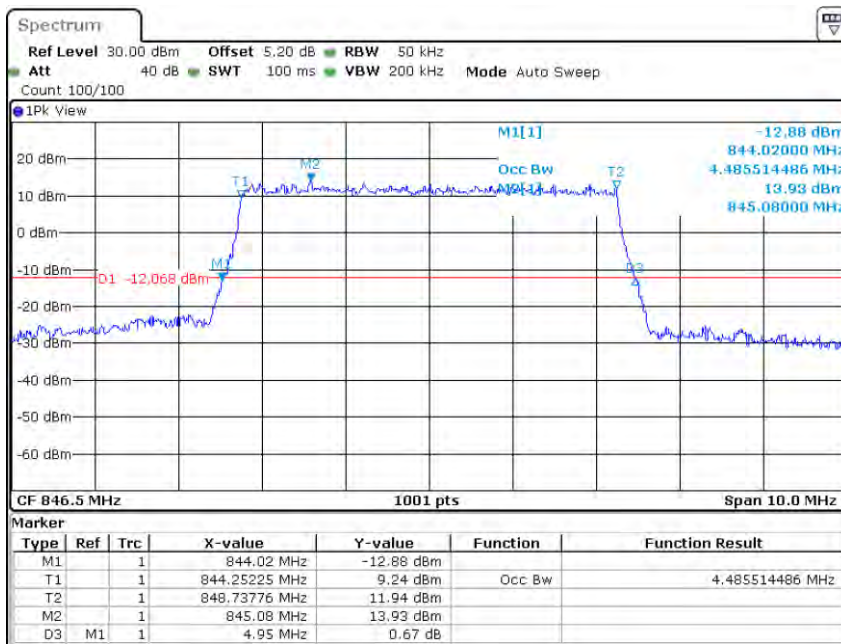


Band5-5MHz-16QAM-20525-25RB#0-4.476



Date: 7 SEP 2020 14:32:22

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



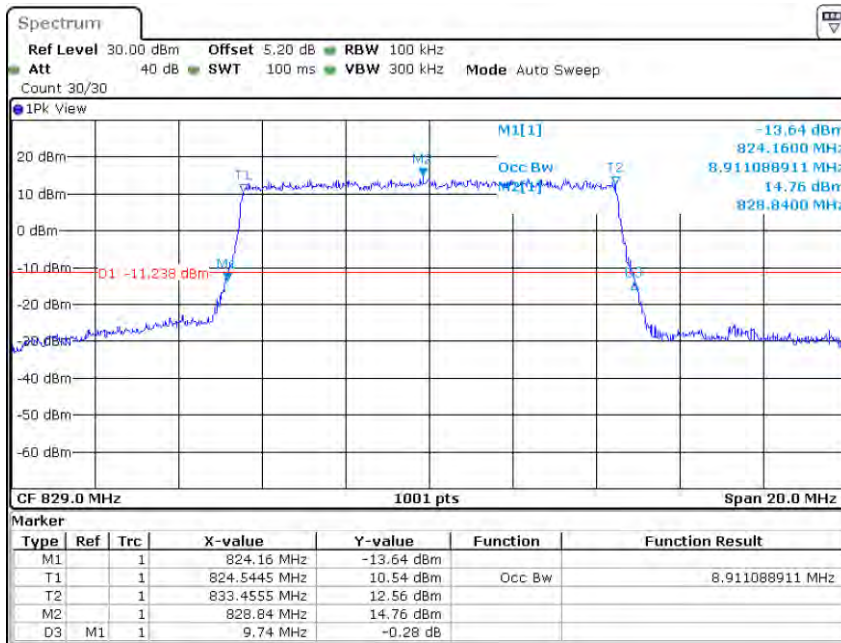
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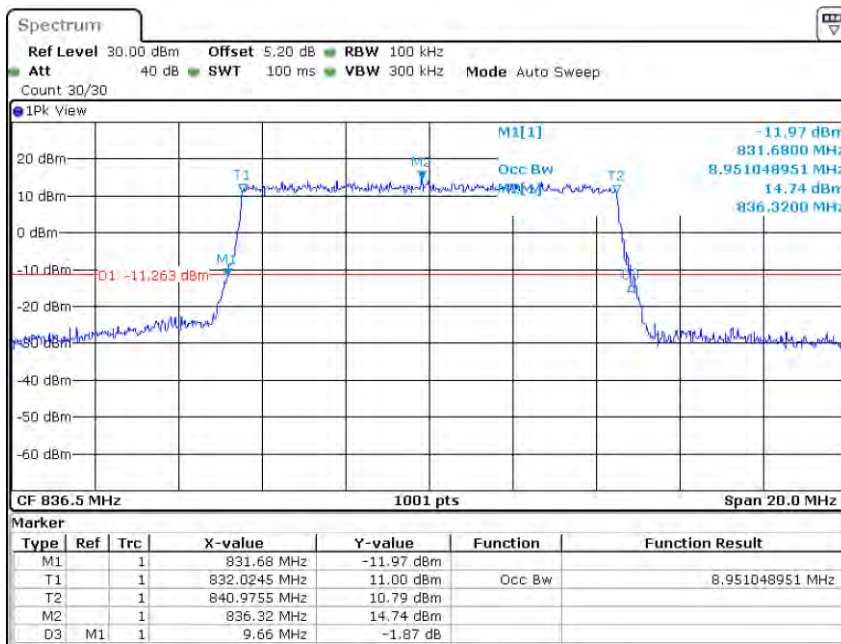


Band5-10MHz-QPSK-20450-50RB#0-8.911



Date: 7 SEP 2020 14:33:20

Band5-10MHz-QPSK-20525-50RB#0-8.951



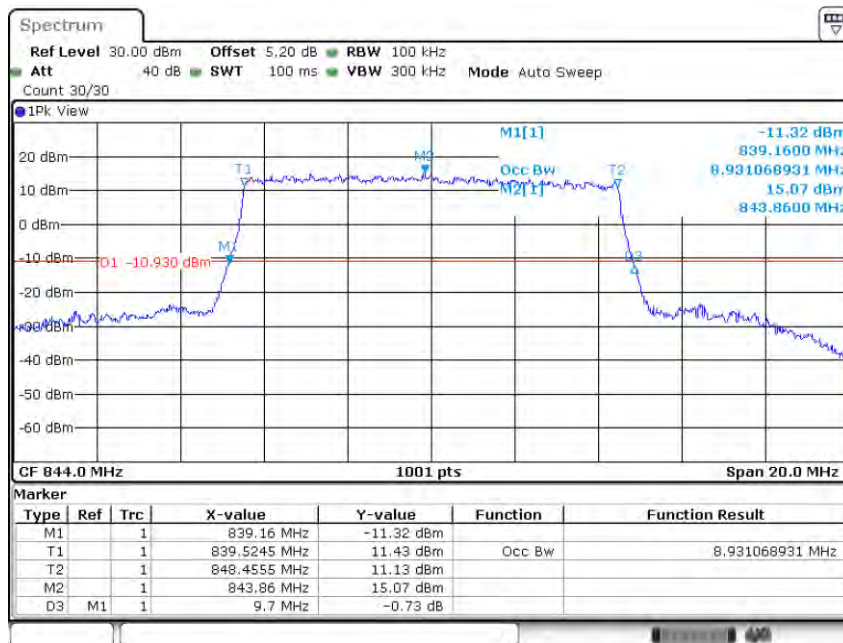
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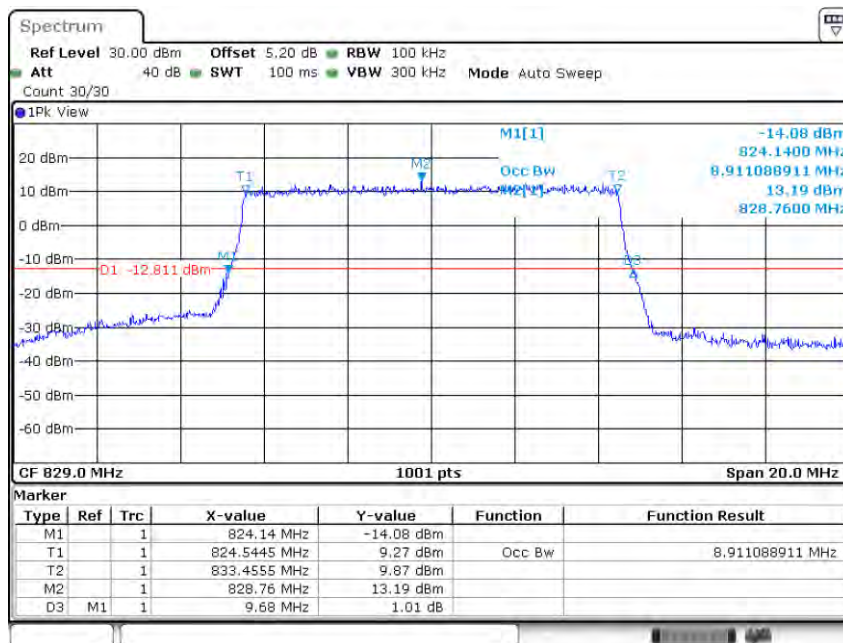


Band5-10MHz-QPSK-20600-50RB#0-8.931



Date: 9 SEP 2020 20:42:58

Band5-10MHz-64QAM-20450-50RB#0-8.911



Date: 8 SEP 2020 19:29:53



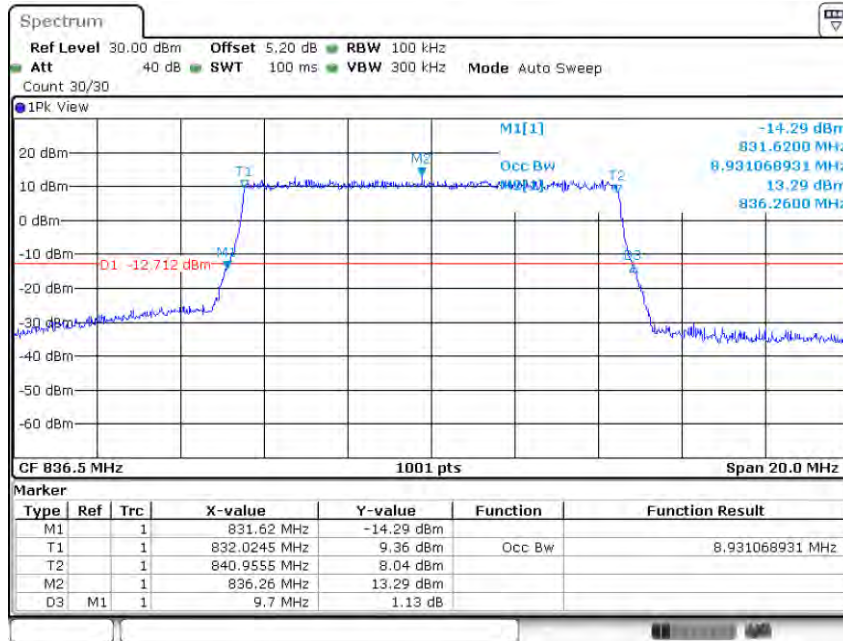
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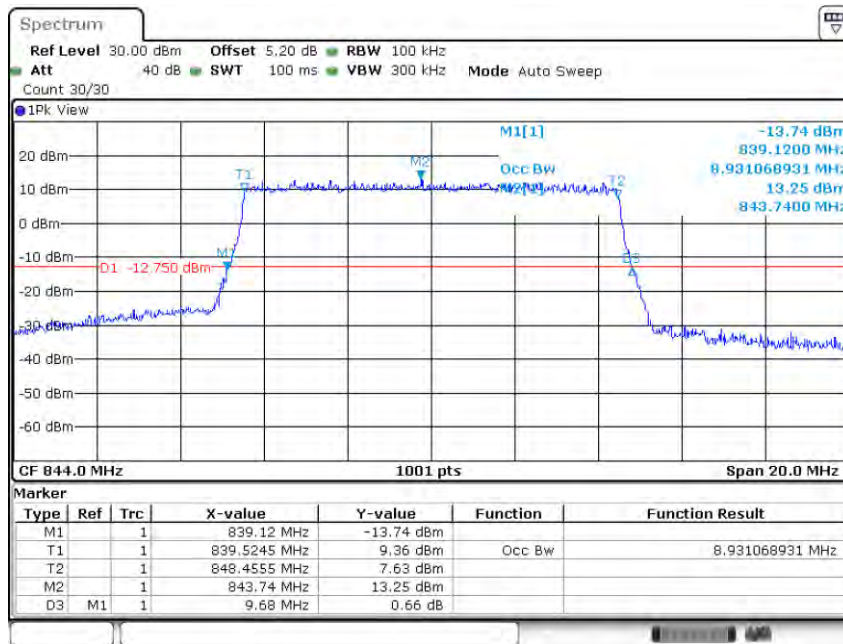


Band5-10MHz-64QAM-20525-50RB#0-8.931



Date: 8 SEP 2020 19:30:06

Band5-10MHz-64QAM-20600-50RB#0-8.931



Date: 8 SEP 2020 19:30:19



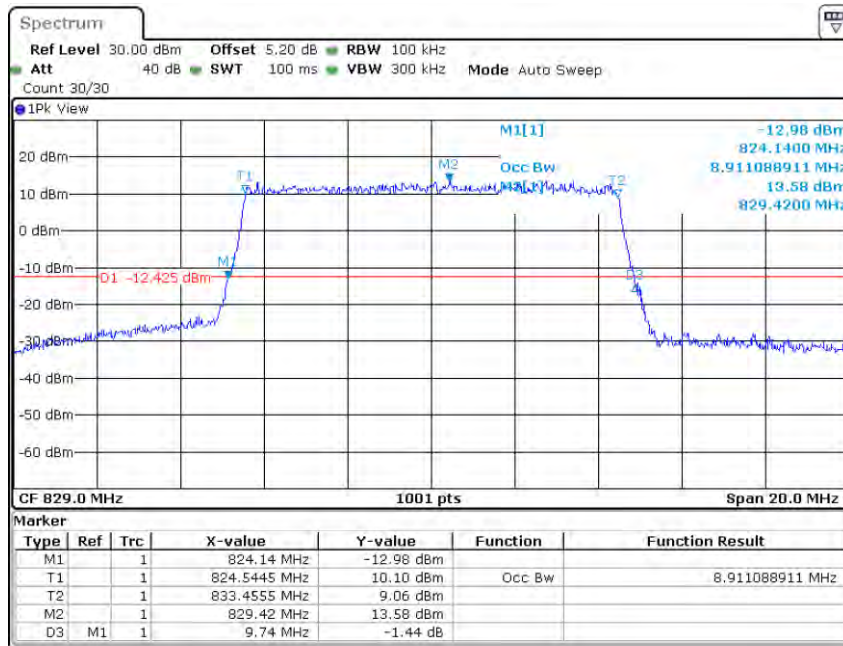
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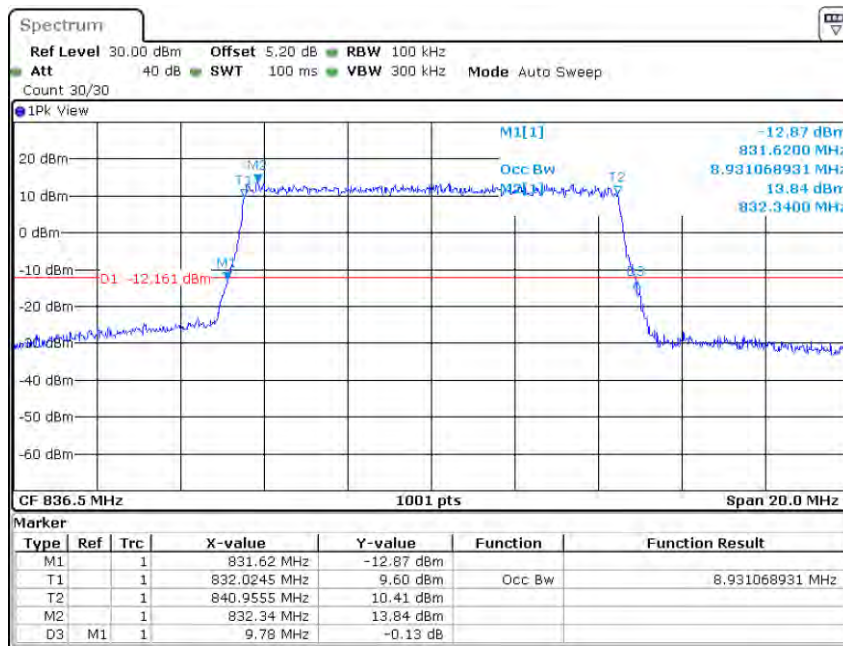


Band5-10MHz-16QAM-20450-50RB#0-8.911



Date: 7 SEP 2020 14:33:33

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

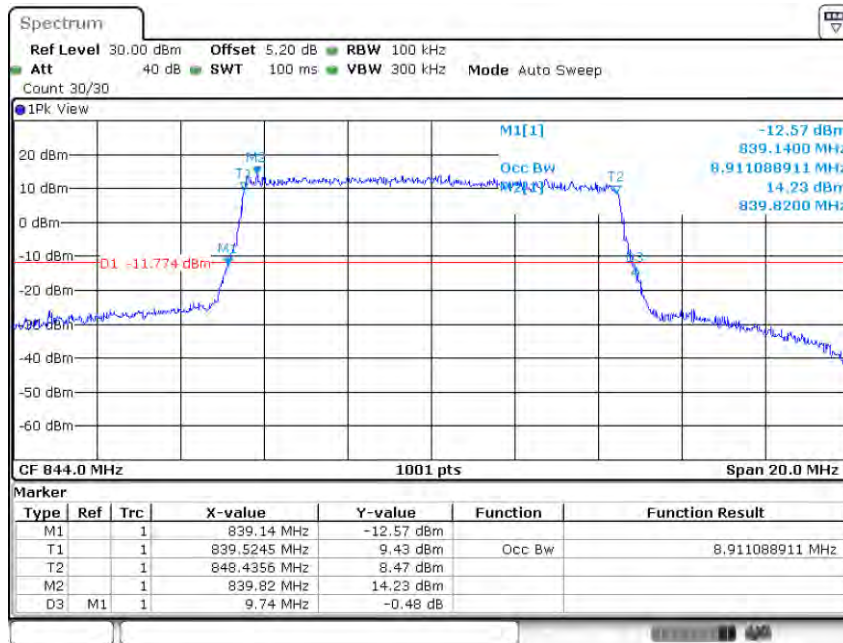


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Band5-10MHz-16QAM-20600-50RB#0-8.911



Date: 9 SEP 2020 20:43:13



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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	-22.97	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	-27.63	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	-21.82	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-29.35	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	-26.00	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	-29.24	PASS
Band5	1.4MHz	64QAM	20643	1RB#5	-24.43	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	-30.09	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	-23.49	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-27.75	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	-22.91	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-29.41	PASS
Band5	3MHz	QPSK	20415	1RB#0	-22.09	PASS
Band5	3MHz	QPSK	20415	15RB#0	-28.40	PASS
Band5	3MHz	QPSK	20635	1RB#14	-21.57	PASS
Band5	3MHz	QPSK	20635	15RB#0	-28.89	PASS
Band5	3MHz	64QAM	20415	1RB#0	-25.12	PASS
Band5	3MHz	64QAM	20415	15RB#0	-30.25	PASS
Band5	3MHz	64QAM	20635	1RB#14	-23.87	PASS
Band5	3MHz	64QAM	20635	15RB#0	-30.65	PASS
Band5	3MHz	16QAM	20415	1RB#0	-22.25	PASS
Band5	3MHz	16QAM	20415	15RB#0	-28.93	PASS
Band5	3MHz	16QAM	20635	1RB#14	-22.64	PASS
Band5	3MHz	16QAM	20635	15RB#0	-30.05	PASS
Band5	5MHz	QPSK	20425	1RB#0	-22.58	PASS
Band5	5MHz	QPSK	20425	25RB#0	-28.69	PASS
Band5	5MHz	QPSK	20625	1RB#24	-22.72	PASS
Band5	5MHz	QPSK	20625	25RB#0	-29.64	PASS
Band5	5MHz	64QAM	20425	1RB#0	-24.91	PASS
Band5	5MHz	64QAM	20425	25RB#0	-30.03	PASS
Band5	5MHz	64QAM	20625	1RB#24	-24.00	PASS
Band5	5MHz	64QAM	20625	25RB#0	-31.67	PASS



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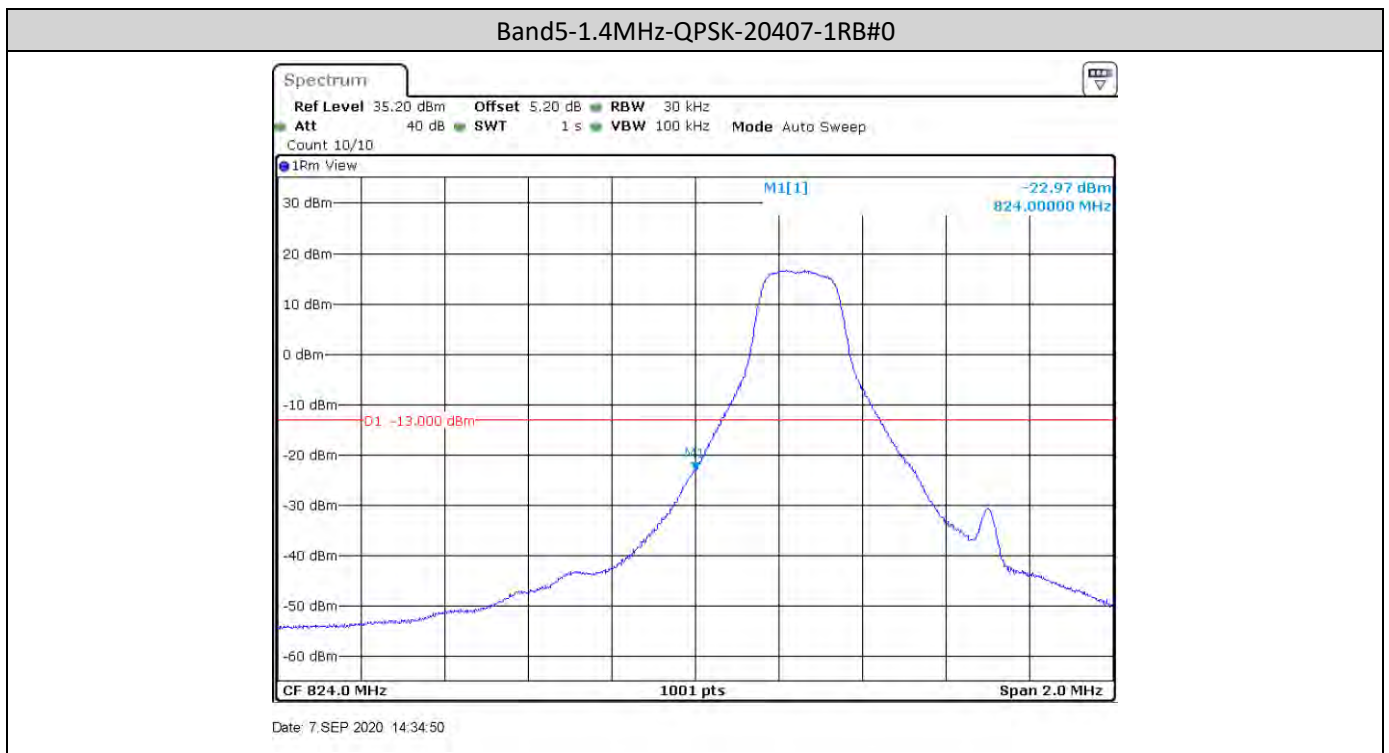
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Band5	5MHz	16QAM	20425	1RB#0	-23.10	PASS
Band5	5MHz	16QAM	20425	25RB#0	-29.13	PASS
Band5	5MHz	16QAM	20625	1RB#24	-22.40	PASS
Band5	5MHz	16QAM	20625	25RB#0	-30.32	PASS
Band5	10MHz	QPSK	20450	1RB#0	-32.69	PASS
Band5	10MHz	QPSK	20450	50RB#0	-31.55	PASS
Band5	10MHz	QPSK	20600	1RB#49	-32.05	PASS
Band5	10MHz	QPSK	20600	50RB#0	-33.37	PASS
Band5	10MHz	64QAM	20450	1RB#0	-34.71	PASS
Band5	10MHz	64QAM	20450	50RB#0	-32.77	PASS
Band5	10MHz	64QAM	20600	1RB#49	-34.41	PASS
Band5	10MHz	64QAM	20600	50RB#0	-35.39	PASS
Band5	10MHz	16QAM	20450	1RB#0	-32.43	PASS
Band5	10MHz	16QAM	20450	50RB#0	-31.91	PASS
Band5	10MHz	16QAM	20600	1RB#49	-33.40	PASS
Band5	10MHz	16QAM	20600	50RB#0	-34.34	PASS

5.2. Test Plots



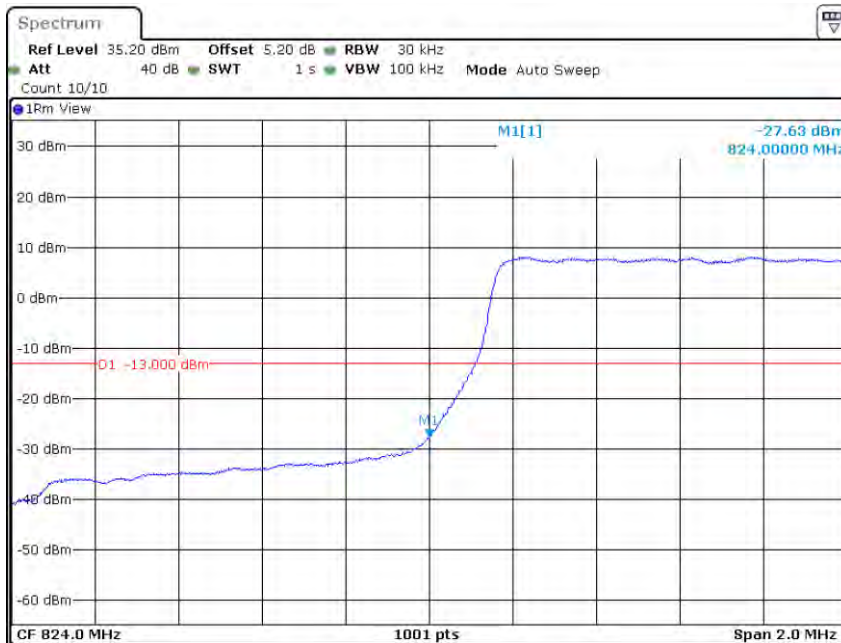
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Band5-1.4MHz-QPSK-20407-6RB#0



Date: 7.SEP.2020 14:35:31

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



Date: 7.SEP.2020 14:36:17



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



Date: 7 SEP 2020 14:36:58

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



Date: 8 SEP 2020 19:30:46



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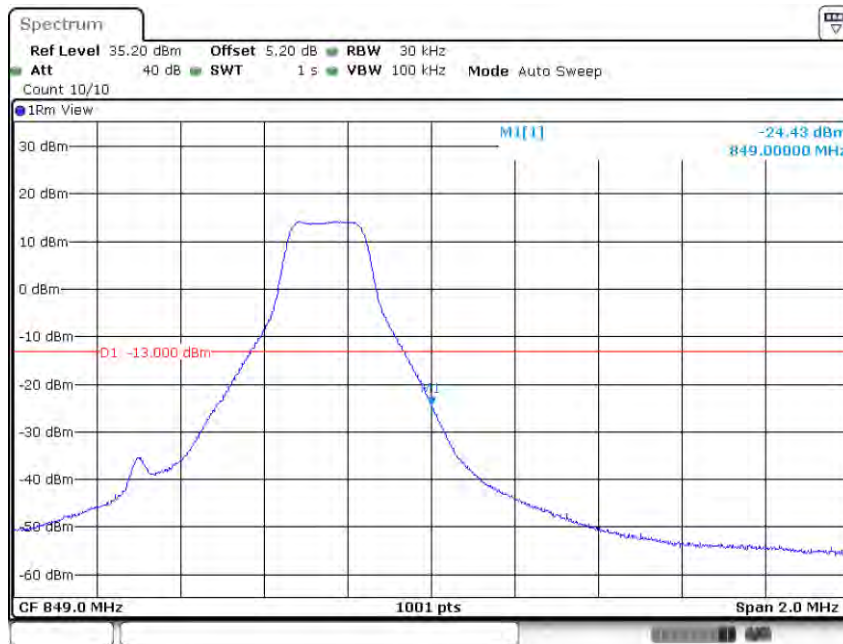


Band5-1.4MHz-64QAM-20407-6RB#0



Date: 8 SEP 2020 19:31:07

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



Date: 8 SEP 2020 19:31:33



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



Date: 8 SEP 2020 19:31:53

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



Date: 7 SEP 2020 14:35:11



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



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



Date: 7.SEP.2020 14:36:38



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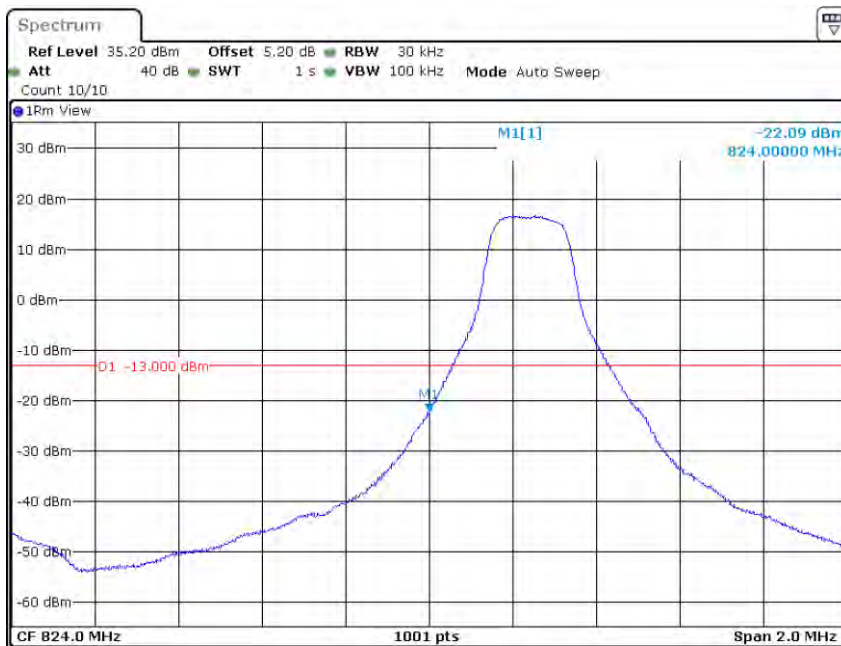


Band5-1.4MHz-16QAM-20643-6RB#0



Date: 7.SEP.2020 14:37:19

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



Date: 7.SEP.2020 14:37:45



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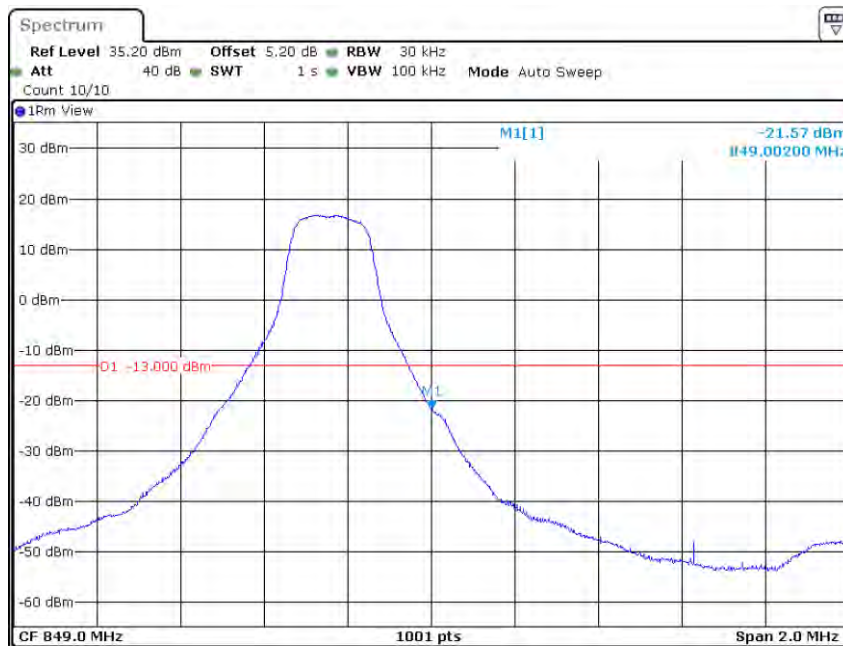


Band5-3MHz-QPSK-20415-15RB#0



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



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



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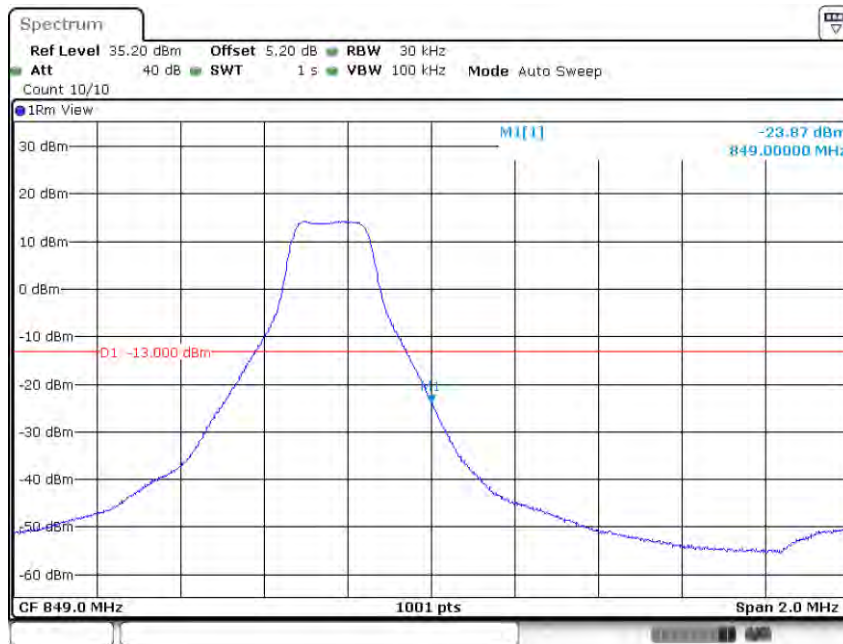
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Band5-3MHz-64QAM-20415-15RB#0



Date: 8 SEP 2020 19:32:42

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



Date: 8 SEP 2020 19:33:07

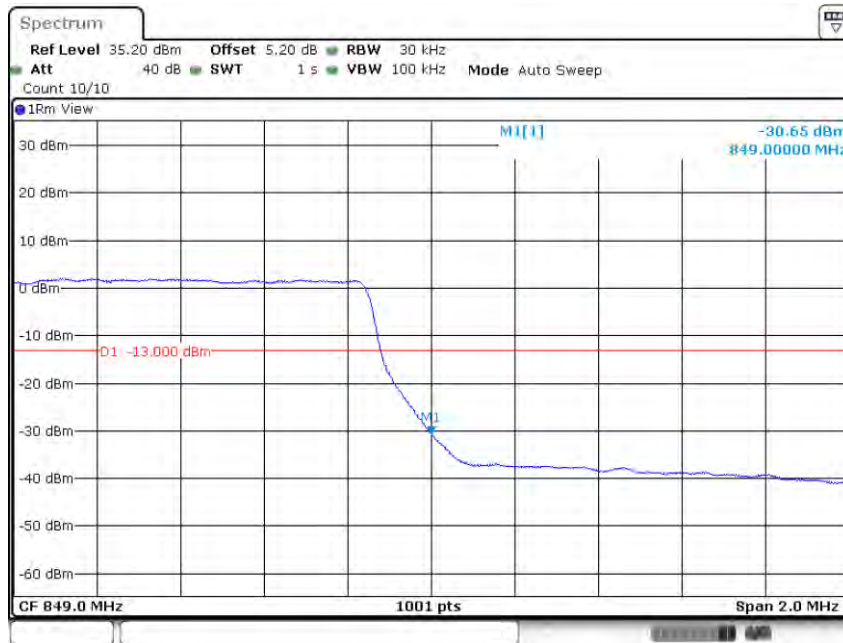


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Band5-3MHz-64QAM-20635-15RB#0



Date: 8 SEP 2020 19:33:28

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



Date: 7 SEP 2020 14:38:06



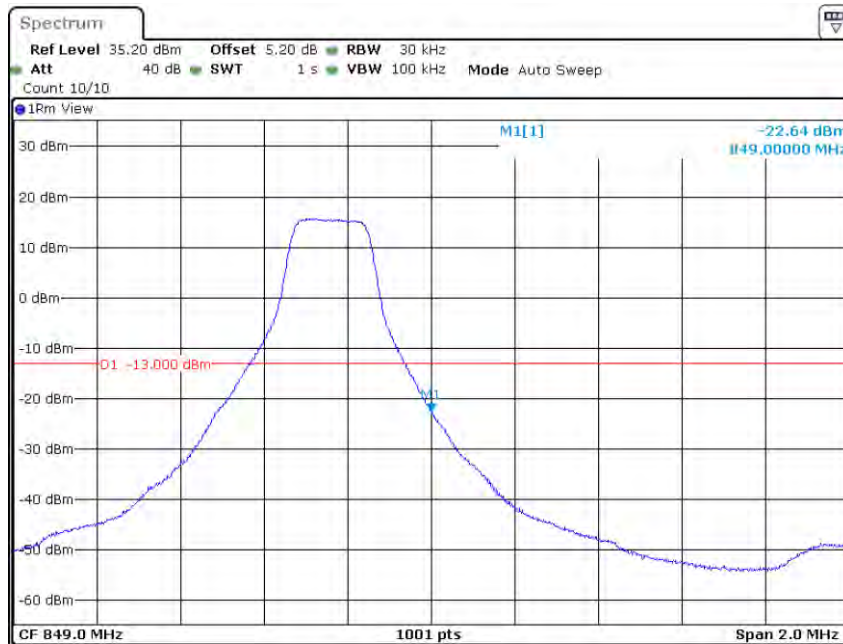
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Band5-3MHz-16QAM-20415-15RB#0



Date: 7 SEP 2020 14:38:47

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



Date: 7 SEP 2020 14:39:33



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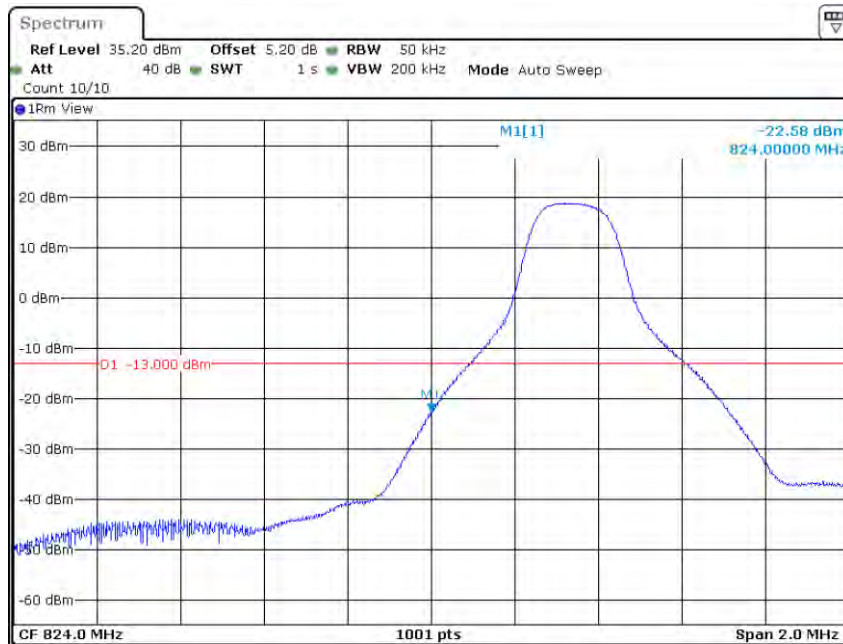
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Band5-3MHz-16QAM-20635-15RB#0



Date: 7.SEP.2020 14:40:14

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



Date: 7.SEP.2020 14:40:41



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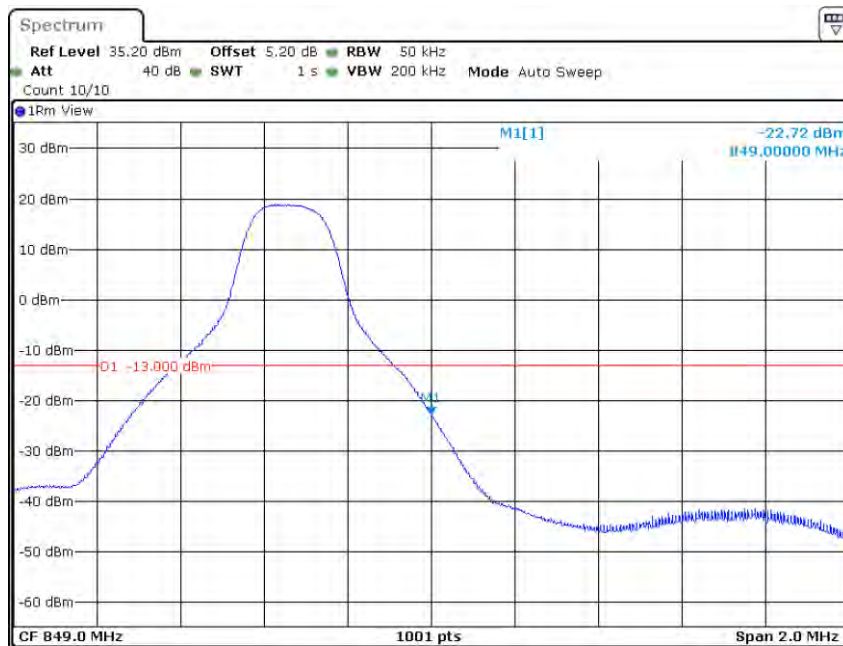


Band5-5MHz-QPSK-20425-25RB#0



Date: 7 SEP 2020 14:41:22

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



Date: 7 SEP 2020 14:42:07



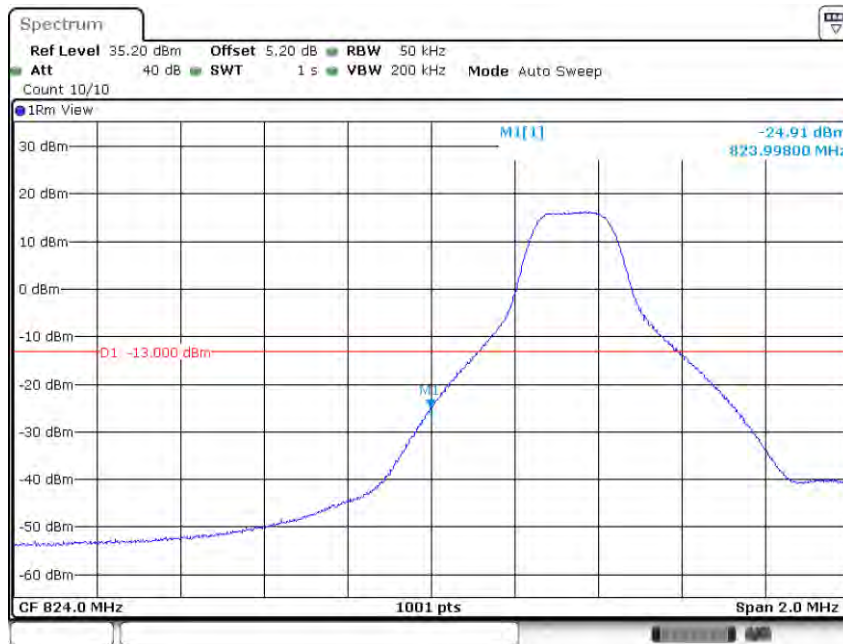
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Band5-5MHz-QPSK-20625-25RB#0



Date: 7 SEP 2020 14:42:48

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



Date: 8 SEP 2020 19:33:55



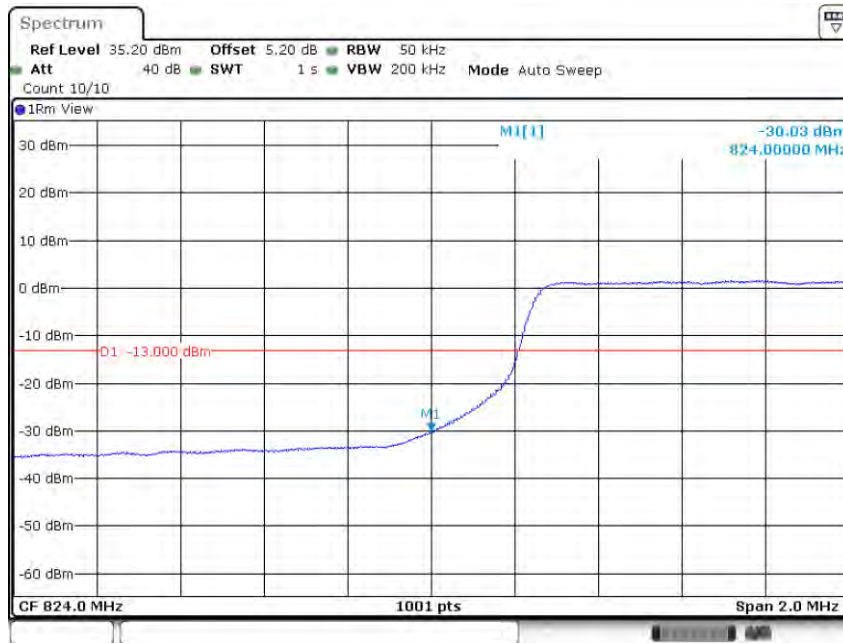
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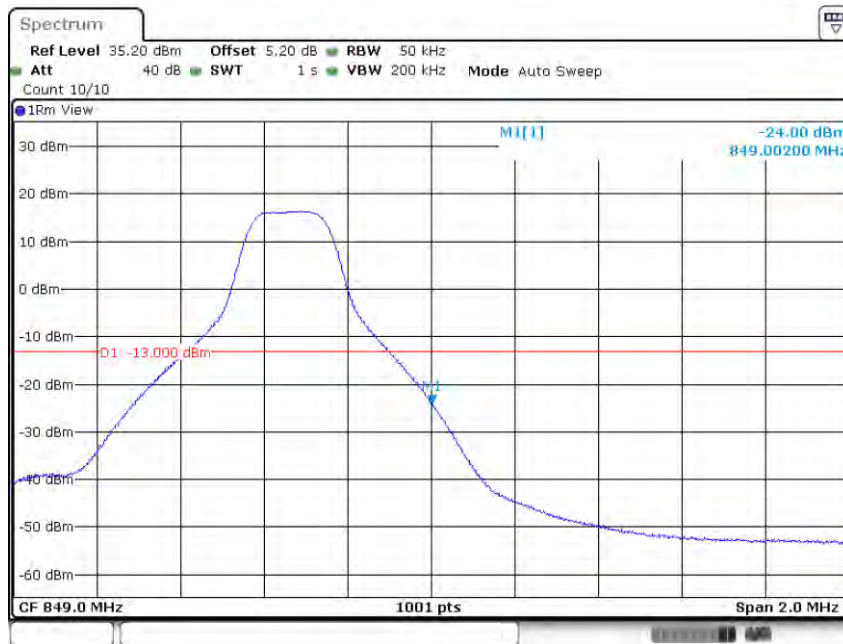


Band5-5MHz-64QAM-20425-25RB#0



Date: 8 SEP 2020 19:34:16

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



Date: 8 SEP 2020 19:34:41



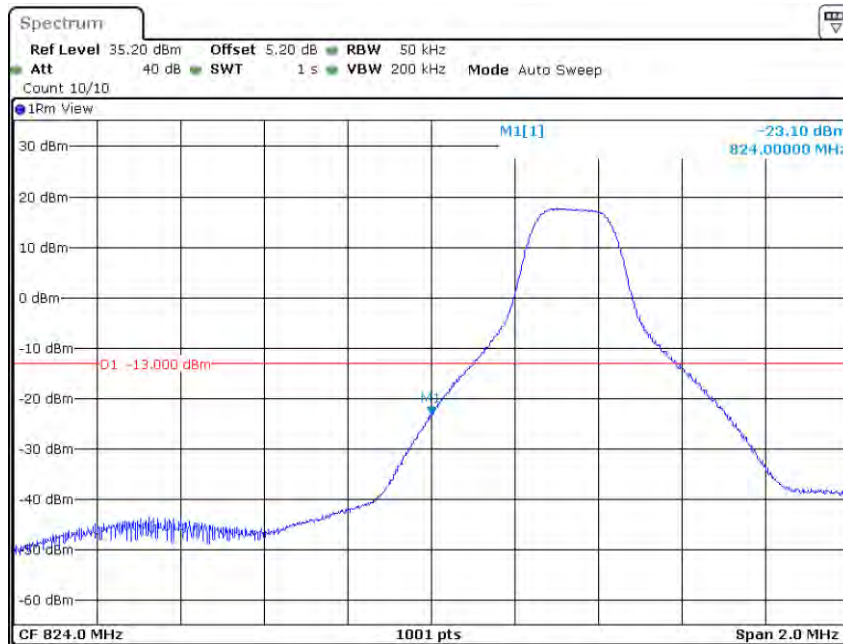
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Band5-5MHz-64QAM-20625-25RB#0



Date: 8 SEP 2020 19:35:02

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



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



Date: 7 SEP 2020 14:41:42

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



Date: 7 SEP 2020 14:42:28



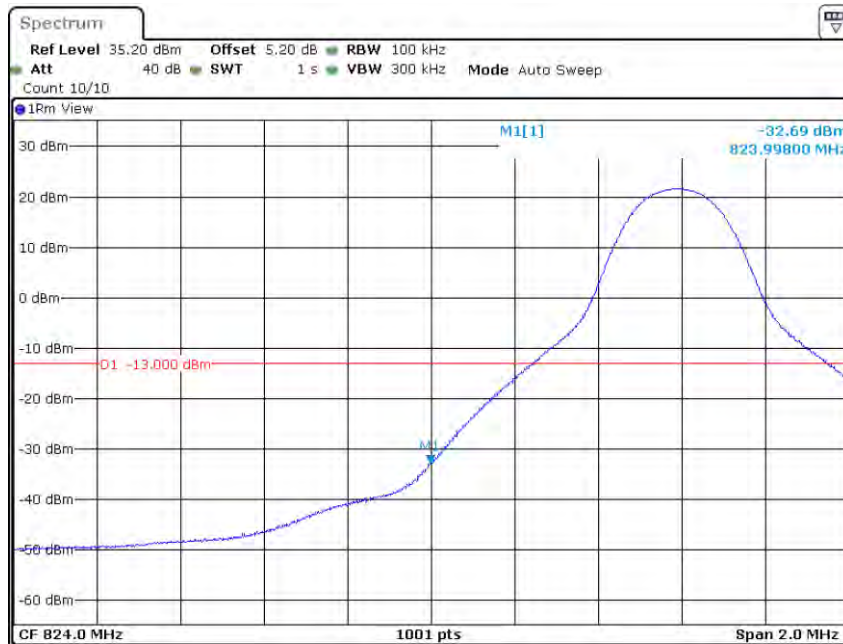
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Band5-5MHz-16QAM-20625-25RB#0



Date: 7.SEP.2020 14:43:09

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



Date: 7.SEP.2020 14:43:36



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



Date: 7.SEP.2020 14:44:17

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



Date: 7.SEP.2020 14:45:02



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



Date: 7 SEP 2020 14:45:43

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



Date: 8 SEP 2020 19:35:29



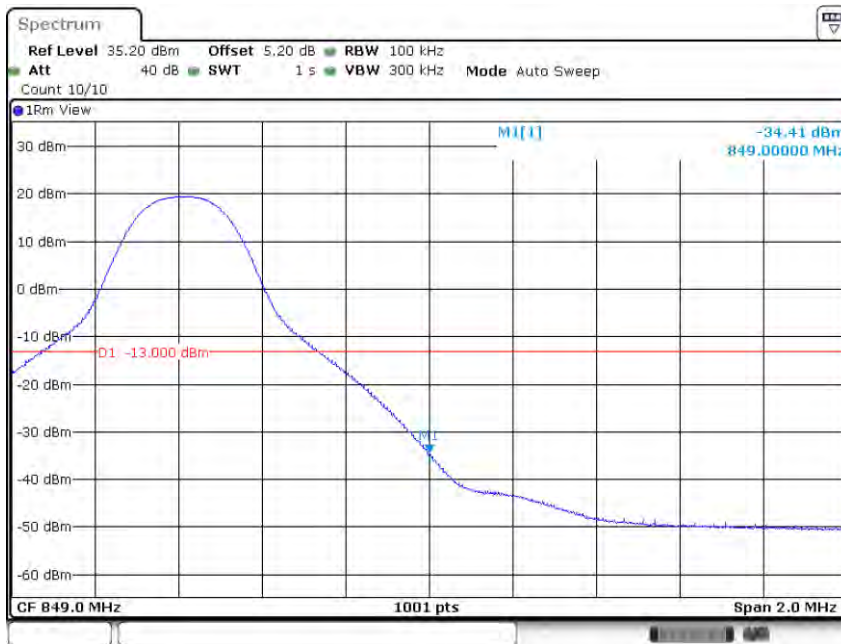
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Band5-10MHz-64QAM-20450-50RB#0



Date: 8 SEP 2020 19:35:50

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



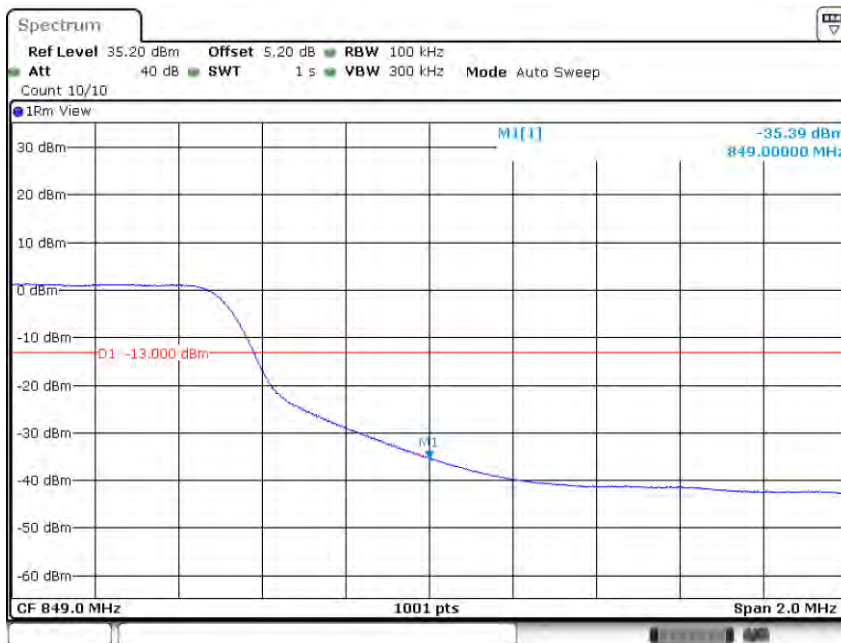
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Band5-10MHz-64QAM-20600-50RB#0



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



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



Date: 7 SEP 2020 14:44:37

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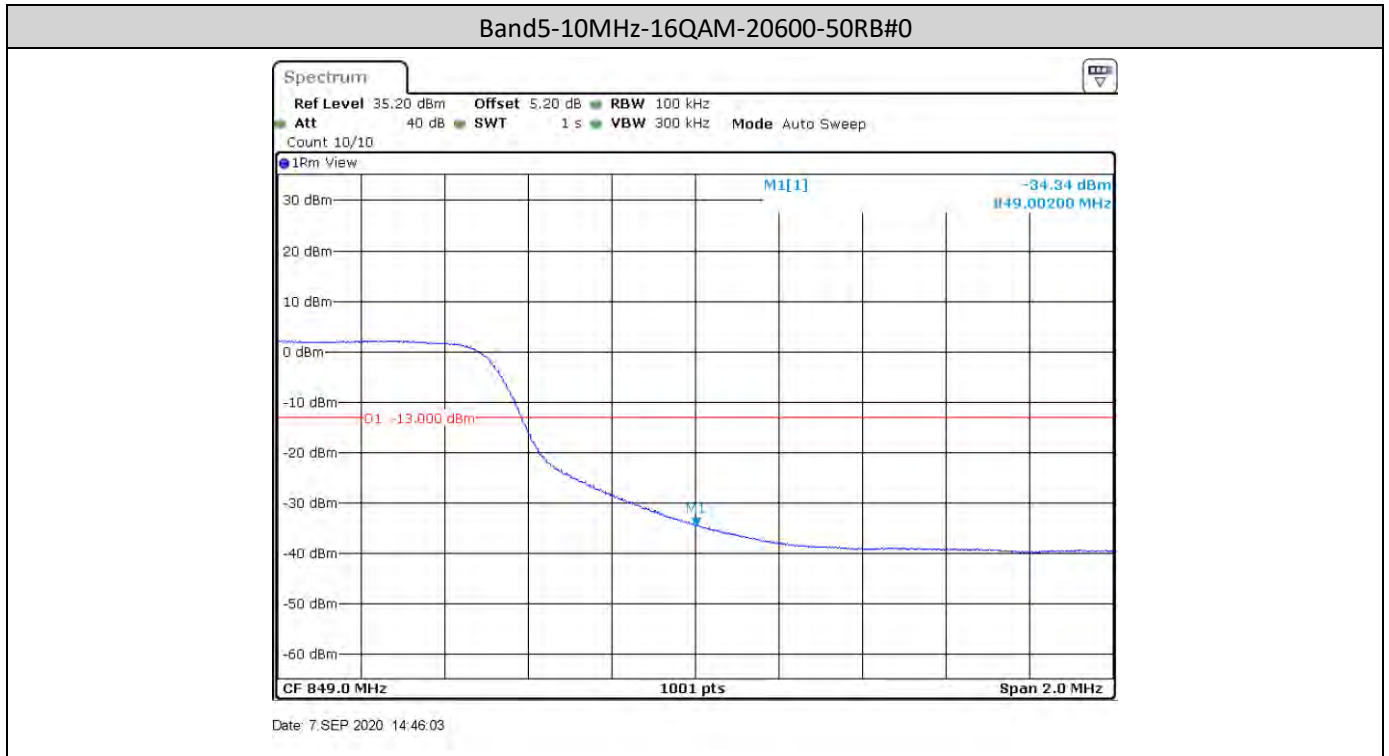
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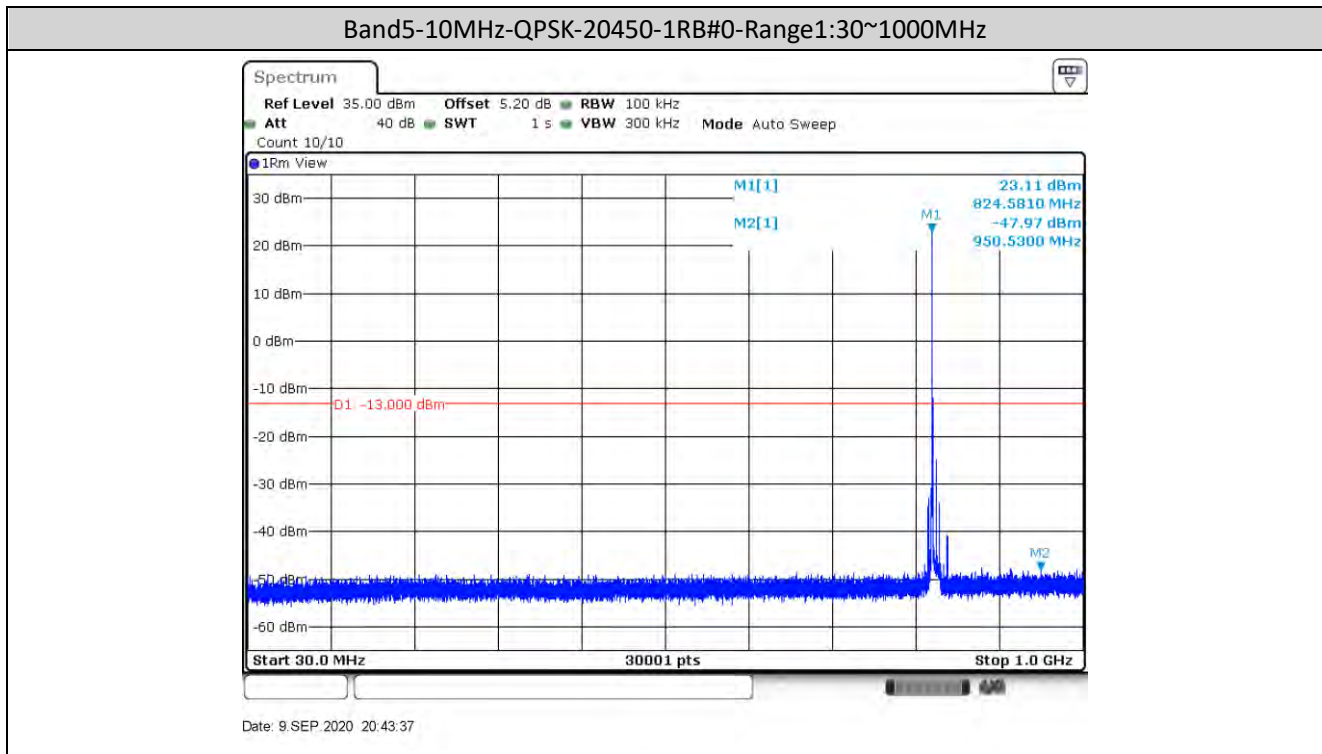
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6. Spurious Emission at Antenna Terminal

Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ 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.

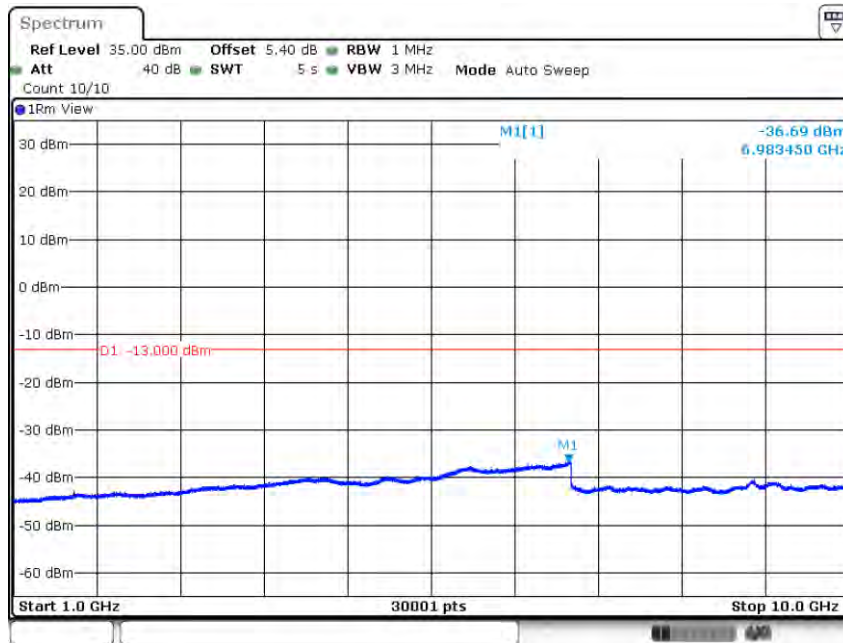
6.1. Test Plots



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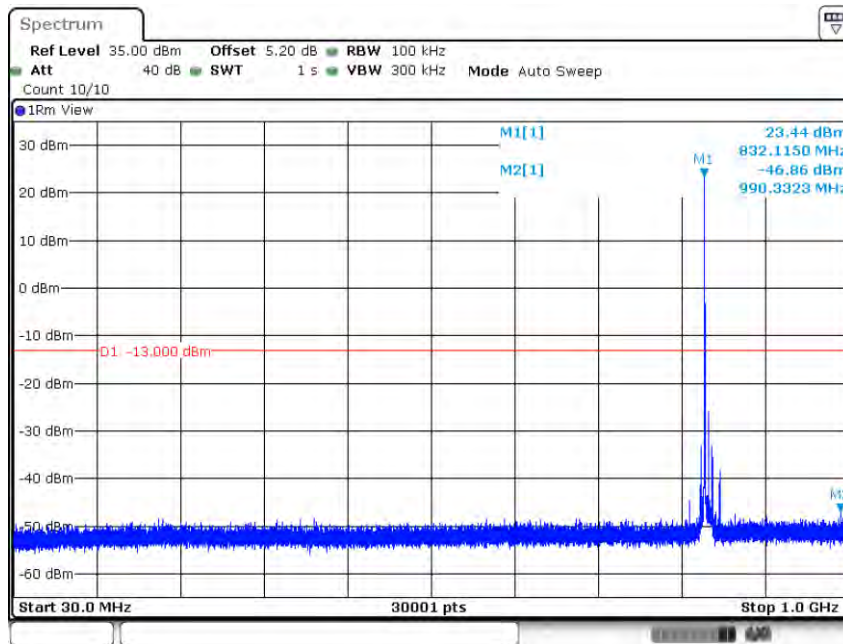
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Band5-10MHz-QPSK-20450-1RB#0-Range2:1000~10000MHz



Date: 9 SEP 2020 20:44:45

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

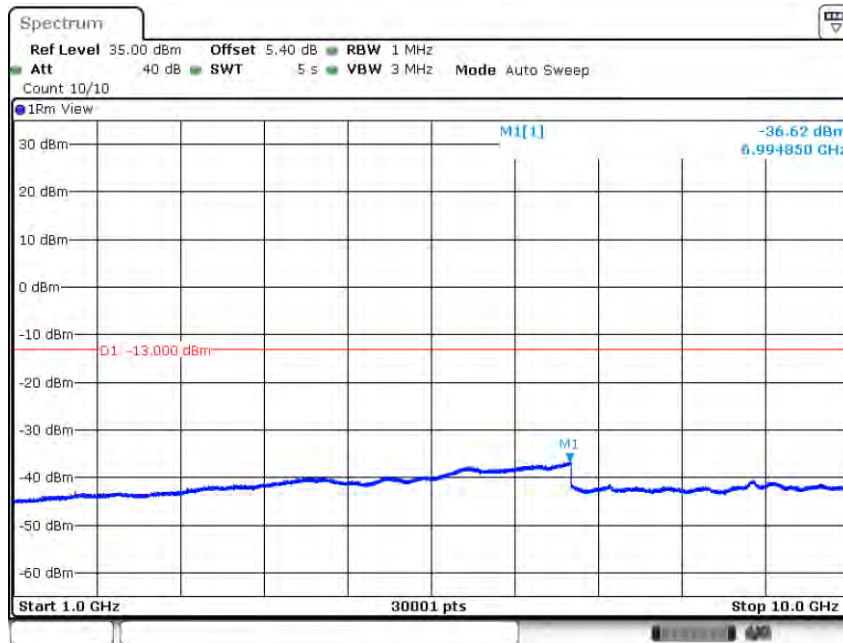


Date: 9 SEP 2020 20:46:31



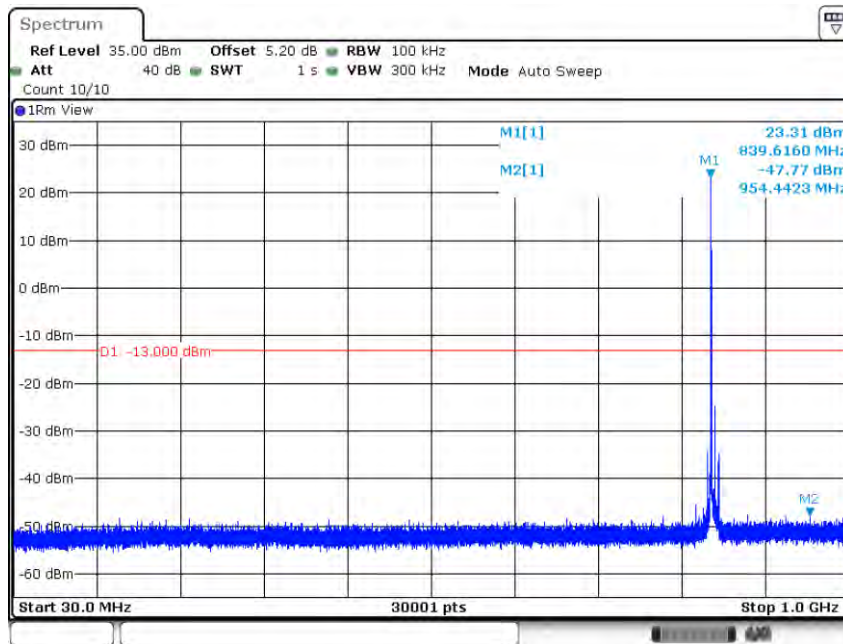
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Band5-10MHz-QPSK-20525-1RB#0-Range2:1000~10000MHz



Date: 9 SEP 2020 20:47:39

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

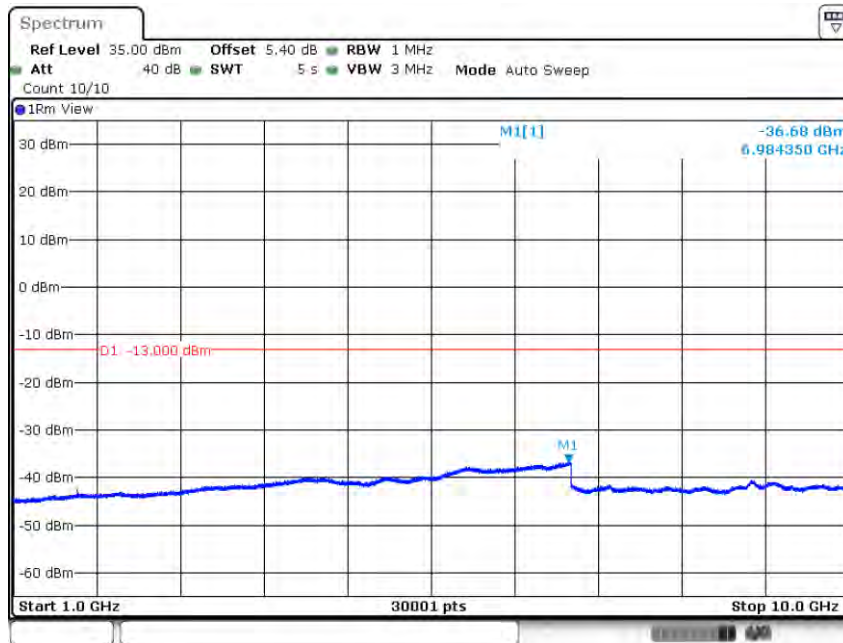


Date: 9 SEP 2020 20:49:26



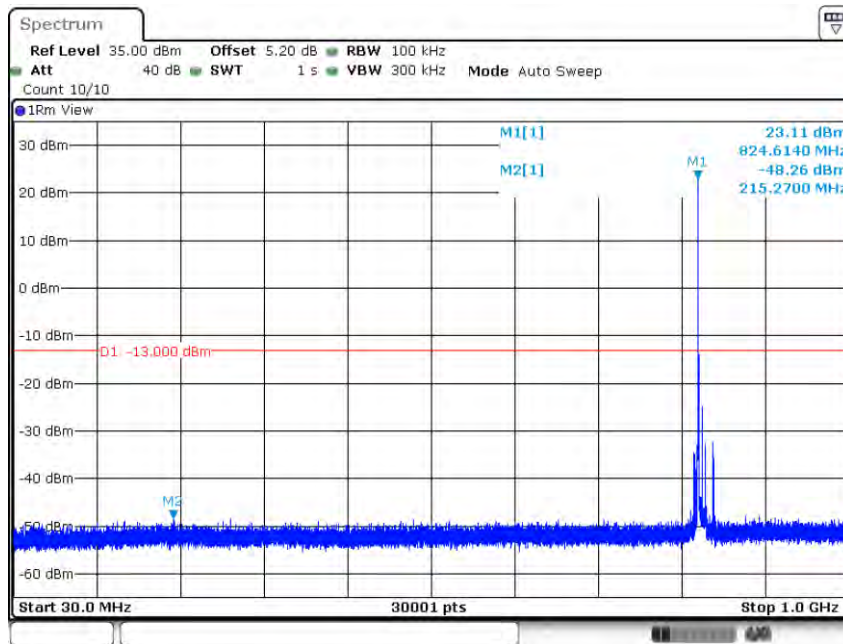
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Band5-10MHz-QPSK-20600-1RB#0-Range2:1000~10000MHz



Date: 9 SEP 2020 20:50:33

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



Date: 9 SEP 2020 20:52:24

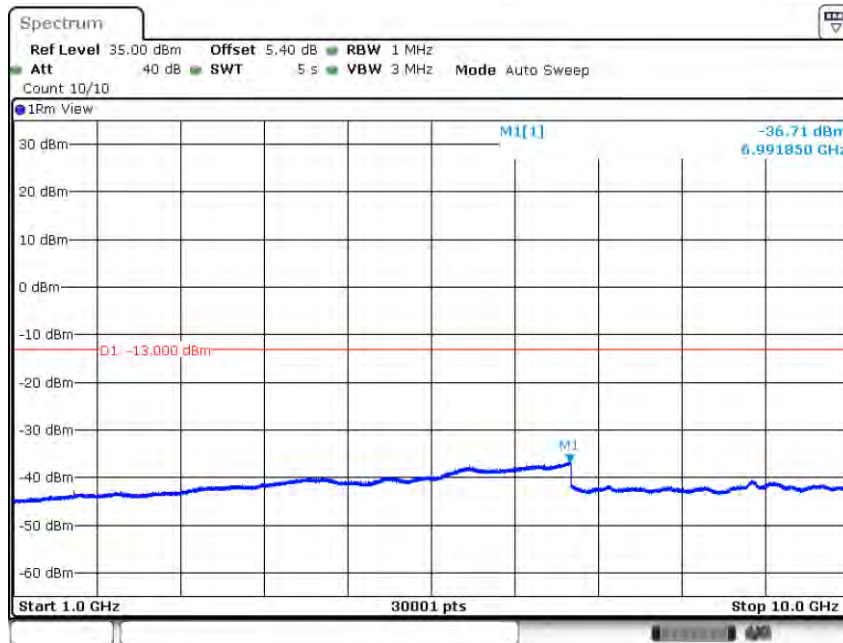


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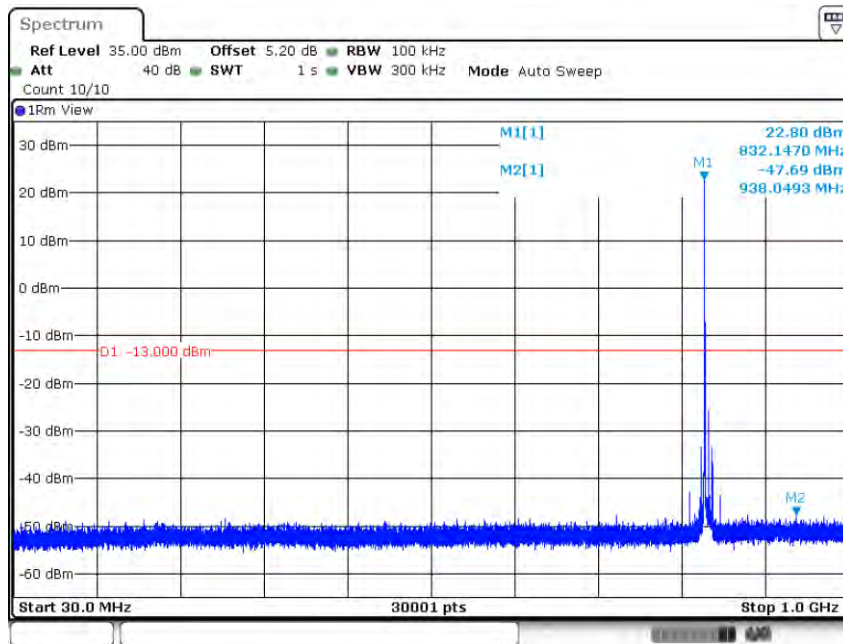
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Band5-10MHz-64QAM-20450-1RB#0-Range2:1000~10000MHz



Date: 9 SEP 2020 20:53:31

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

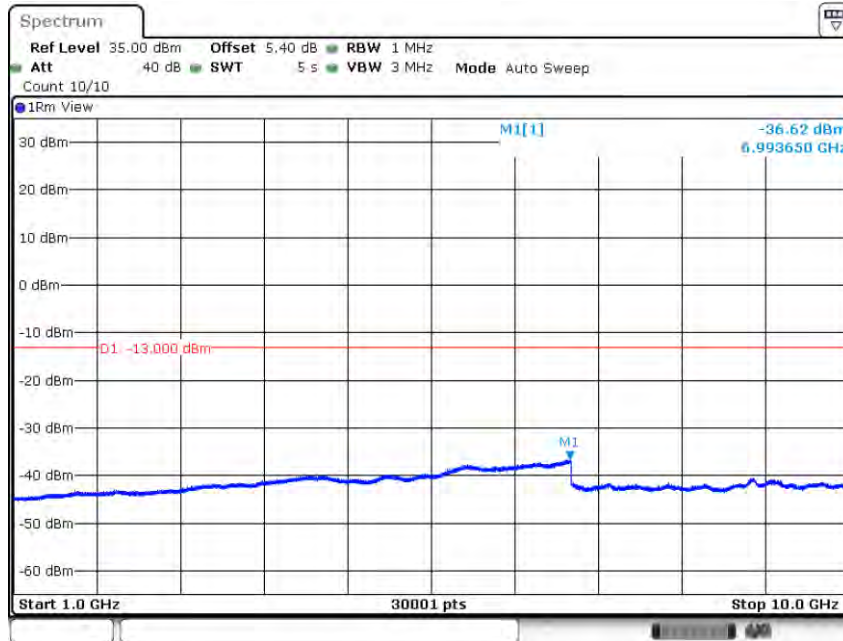


Date: 9 SEP 2020 20:53:51



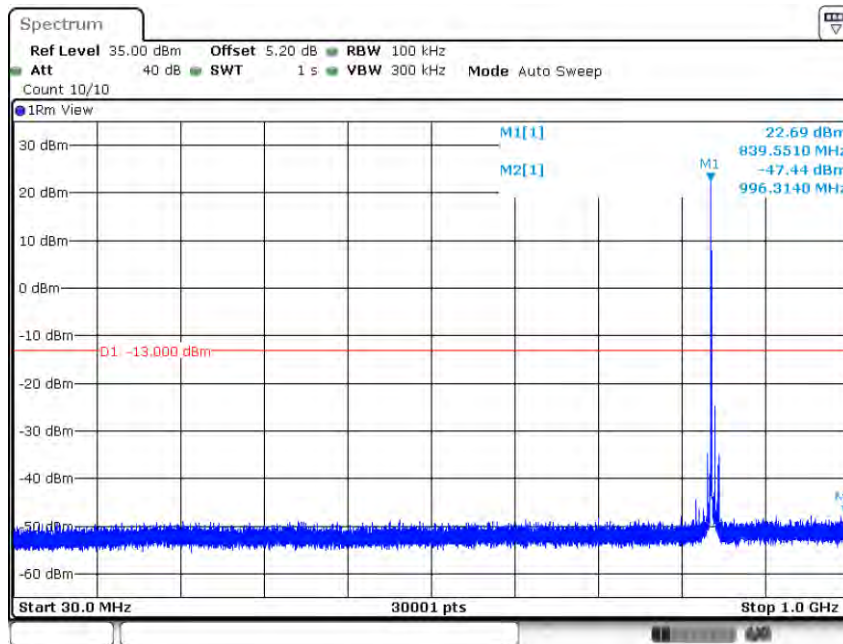
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Band5-10MHz-64QAM-20525-1RB#0-Range2:1000~10000MHz



Date: 9 SEP 2020 20:54:58

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



Date: 9 SEP 2020 20:55:18

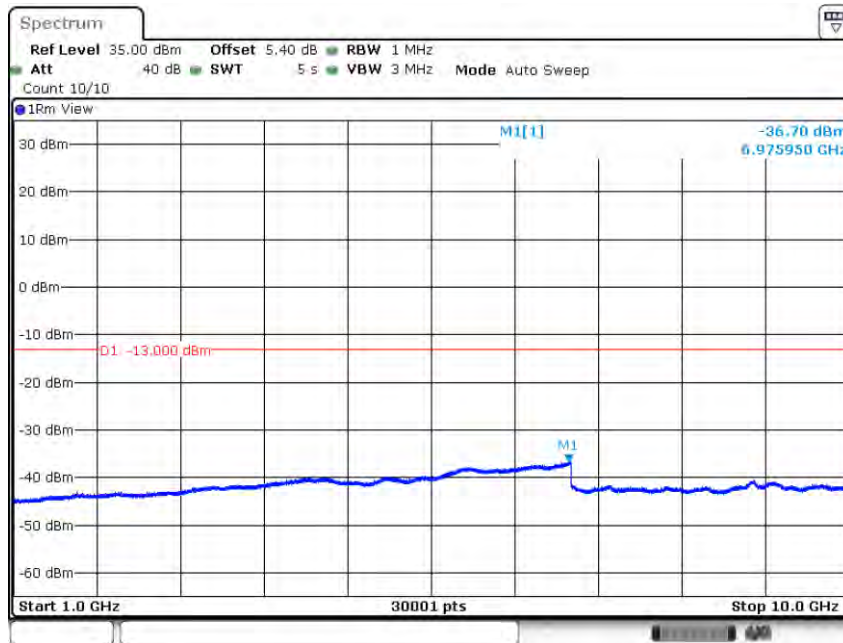


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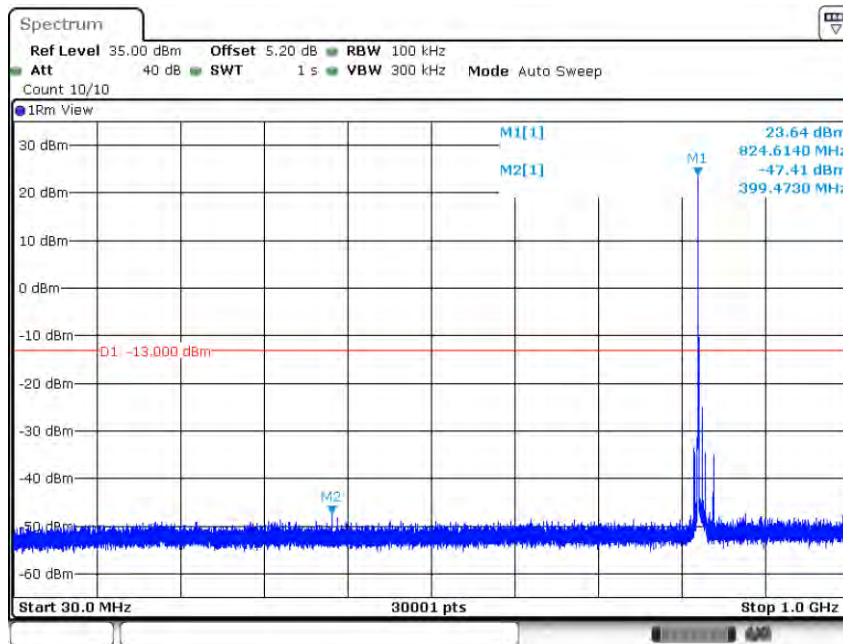
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Band5-10MHz-64QAM-20600-1RB#0-Range2:1000~10000MHz



Date: 9 SEP 2020 20:56:25

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

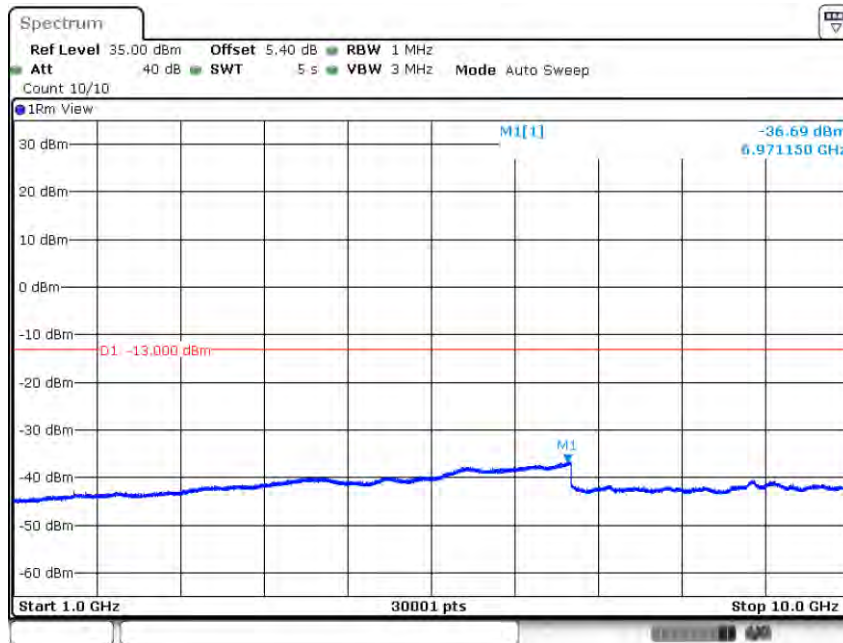


Date: 9 SEP 2020 20:45:04



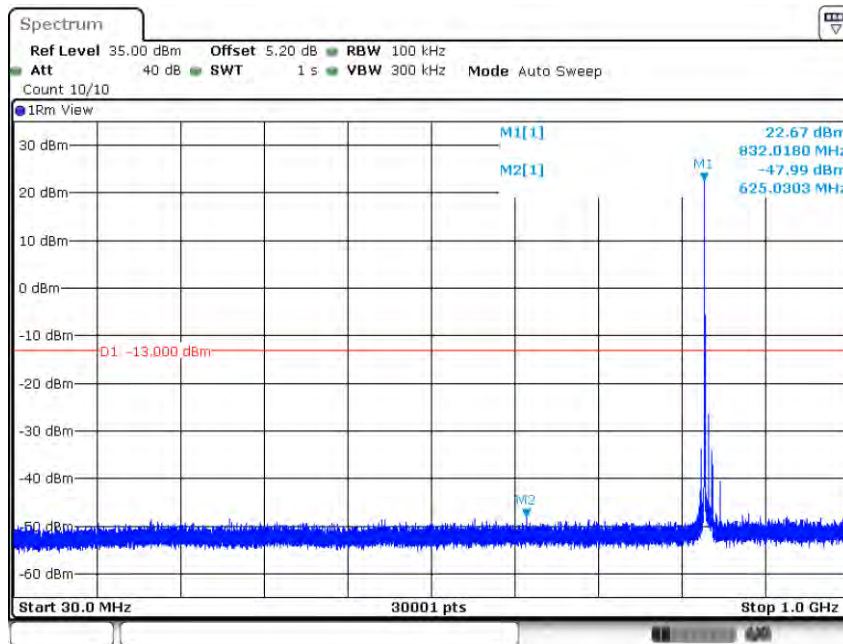
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Band5-10MHz-16QAM-20450-1RB#0-Range2:1000~10000MHz



Date: 9 SEP 2020 20:46:12

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

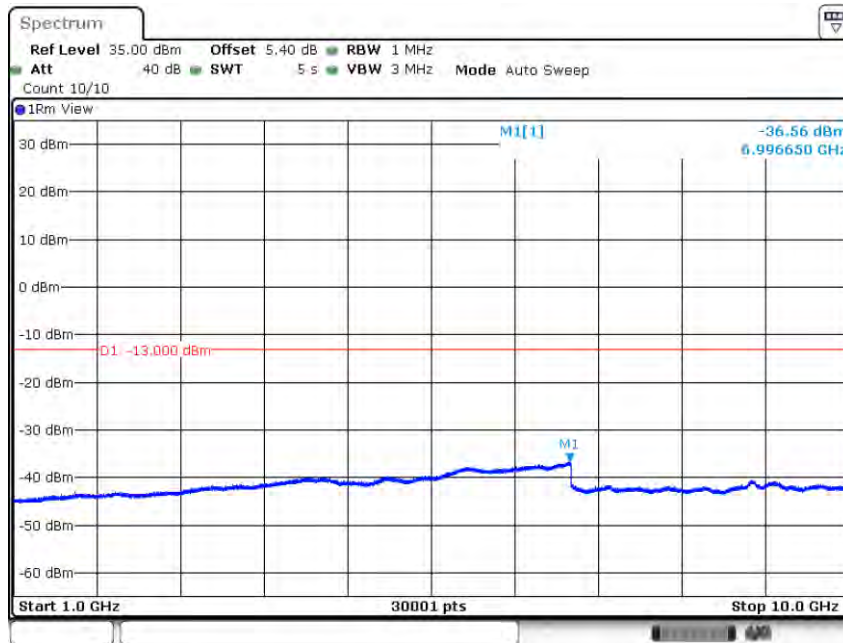


Date: 9 SEP 2020 20:47:58



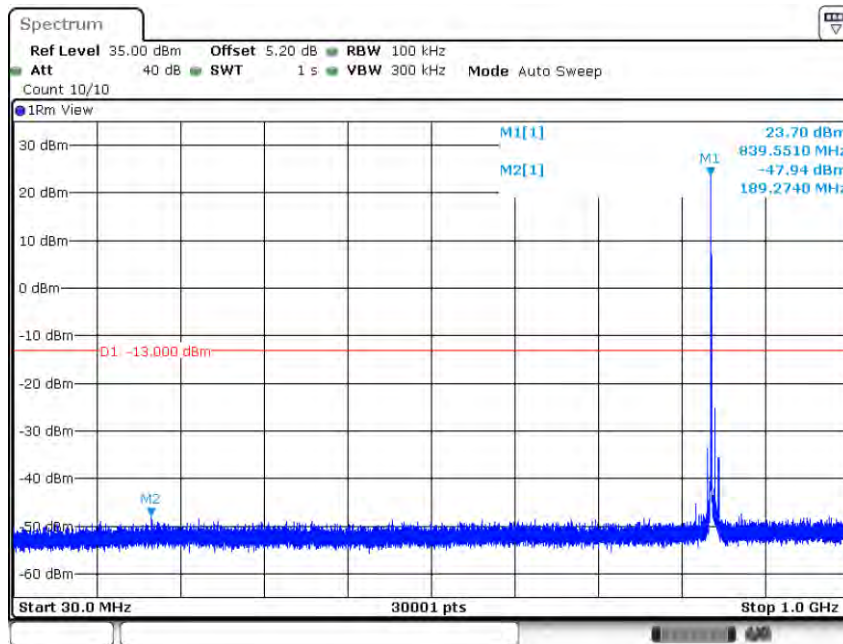
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Band5-10MHz-16QAM-20525-1RB#0-Range2:1000~10000MHz



Date: 9 SEP 2020 20:49:06

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



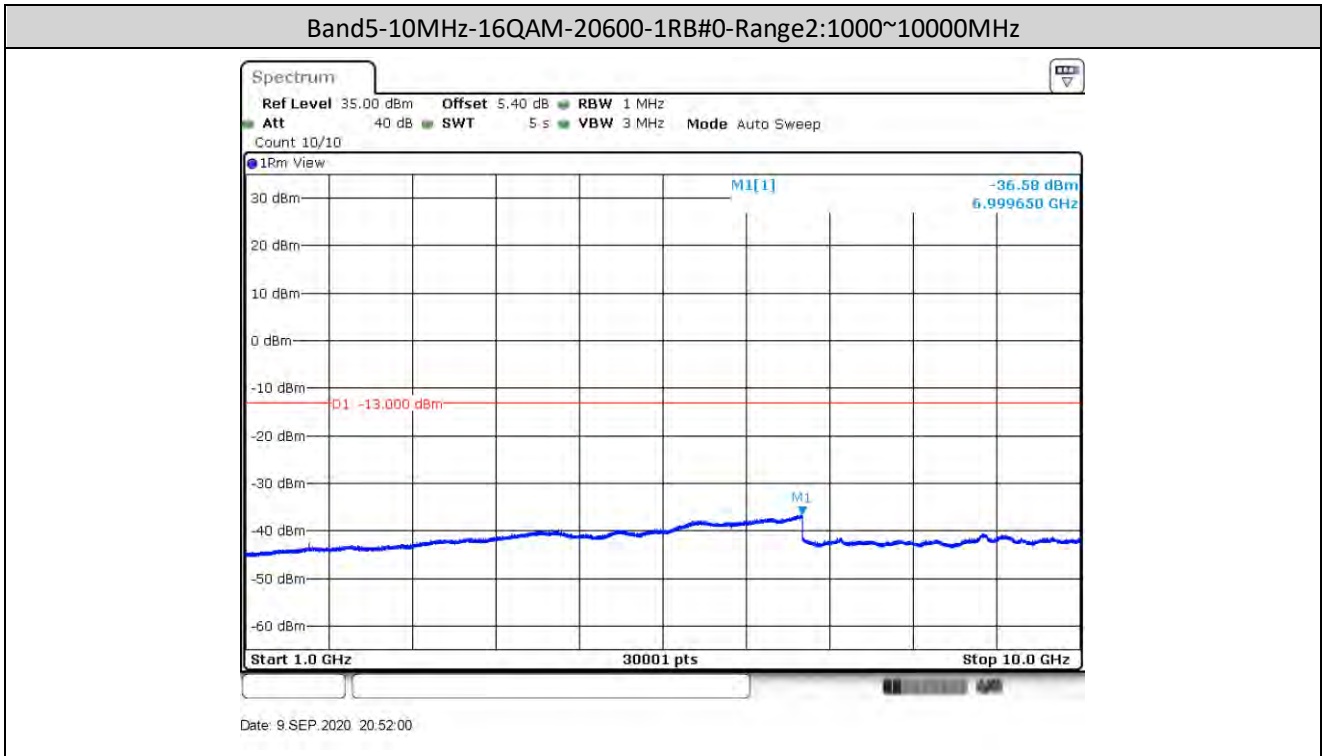
Date: 9 SEP 2020 20:50:52



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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)	Height [cm]	Angle [°]	Polarization
48.4794	-71.47	-13.00	58.47	247	288	Vertical
108.9619	-61.83	-13.00	48.83	259	224	Vertical
291.7676	-66.87	-13.00	53.87	257	162	Vertical
1648.9298	-64.22	-13.00	51.22	265	215	Vertical
2691.5383	-57.59	-13.00	44.59	241	61	Vertical
9907.8303	-52.10	-13.00	39.10	228	288	Vertical
44.8417	-62.60	-13.00	49.60	187	225	Horizontal
99.3100	-73.04	-13.00	60.04	165	256	Horizontal
235.8928	-65.34	-13.00	52.34	194	225	Horizontal
1648.9298	-59.80	-13.00	46.80	175	356	Horizontal
3000.0000	-56.36	-13.00	43.36	187	135	Horizontal
9328.4443	-52.69	-13.00	39.69	162	162	Horizontal

7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
49.4980	-70.54	-13.00	57.54	241	256	Vertical
112.0661	-63.60	-13.00	50.60	259	35	Vertical
383.1947	-64.16	-13.00	51.16	271	319	Vertical
1760.1520	-62.61	-13.00	49.61	256	145	Vertical
2693.5387	-57.62	-13.00	44.62	287	188	Vertical
9877.7293	-52.30	-13.00	39.30	257	224	Vertical
44.7932	-62.18	-13.00	49.18	187	352	Horizontal
82.3826	-73.22	-13.00	60.22	165	256	Horizontal
246.5148	-65.32	-13.00	52.32	184	35	Horizontal
1664.1328	-62.64	-13.00	49.64	196	35	Horizontal
2703.5407	-56.20	-13.00	43.20	175	326	Horizontal
7460.0820	-56.32	-13.00	43.32	196	67	Horizontal



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7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
49.4495	-70.69	-13.00	57.69	241	225	Vertical
110.2230	-62.78	-13.00	49.78	259	66	Vertical
373.3972	-66.18	-13.00	53.18	226	193	Vertical
1746.1492	-62.64	-13.00	49.64	247	356	Vertical
2700.3401	-57.56	-13.00	44.56	251	44	Vertical
9836.6612	-52.48	-13.00	39.48	236	288	Vertical
43.7747	-61.35	-13.00	48.35	187	35	Horizontal
88.6394	-72.97	-13.00	59.97	165	351	Horizontal
233.4677	-65.49	-13.00	52.49	175	351	Horizontal
1678.9358	-62.93	-13.00	49.93	198	160	Horizontal
2700.7401	-56.10	-13.00	43.10	187	62	Horizontal
7464.0488	-55.95	-13.00	42.95	192	66	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	1.60	0.001930	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	VN	NT	0.70	0.000844	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	VH	NT	-0.40	-0.000483	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VL	NT	0.90	0.001076	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VN	NT	0.30	0.000359	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	2.20	0.002630	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VL	NT	2.40	0.002844	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VN	NT	2.10	0.002488	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VH	NT	2.00	0.002370	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	VL	NT	0.80	0.000965	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	VN	NT	1.10	0.001327	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	VH	NT	1.00	0.001206	±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	0.60	0.000717	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	VH	NT	2.50	0.002989	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	VL	NT	-1.70	-0.002014	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	VN	NT	1.20	0.001422	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	VH	NT	1.50	0.001777	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VL	NT	-1.80	-0.002171	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VN	NT	-1.30	-0.001568	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VH	NT	-1.50	-0.001809	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VL	NT	-0.40	-0.000478	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VN	NT	0.20	0.000239	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VH	NT	0.40	0.000478	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VL	NT	0.60	0.000711	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VN	NT	0.30	0.000355	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VH	NT	-1.60	-0.001896	±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	1.10	0.001327	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-20	1.40	0.001689	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-10	0.50	0.000603	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	0	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	20	-0.60	-0.000724	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	30	-0.40	-0.000483	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	40	-1.10	-0.001327	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	50	-0.60	-0.000724	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-30	1.10	0.001315	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	0.70	0.000837	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-10	0.50	0.000598	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	3.10	0.003706	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	1.10	0.001315	±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	30	-0.80	-0.000956	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	0.50	0.000598	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	-0.30	-0.000359	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-30	2.30	0.002725	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-20	2.00	0.002370	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-10	1.20	0.001422	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	0	1.00	0.001185	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	10	0.10	0.000118	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	20	1.90	0.002251	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	30	-0.60	-0.000711	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	40	0.50	0.000592	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	50	0.20	0.000237	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	-30	-0.20	-0.000241	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	-20	1.20	0.001448	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	-10	0.70	0.000844	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	0	0.10	0.000121	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	10	-0.30	-0.000362	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	20	-0.40	-0.000483	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	30	0.00	0.000000	±2.5	PASS



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Band5	10MHz	64QAM	20450	50RB#0	NV	40	-1.30	-0.001568	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	50	-0.40	-0.000483	±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	-20	1.40	0.001674	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	-10	2.00	0.002391	±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	2.20	0.002630	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	20	0.90	0.001076	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	30	-0.10	-0.000120	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	40	-0.90	-0.001076	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	50	1.10	0.001315	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	-30	2.10	0.002488	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	-20	-0.30	-0.000355	±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	0	-0.20	-0.000237	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	10	-2.00	-0.002370	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	20	0.40	0.000474	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	30	-0.70	-0.000829	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	40	0.30	0.000355	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	50	1.00	0.001185	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	-30	-0.60	-0.000724	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	-20	1.70	0.002051	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	-10	0.40	0.000483	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	0	0.70	0.000844	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	10	1.60	0.001930	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	20	0.60	0.000724	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	30	1.00	0.001206	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	40	-0.60	-0.000724	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	50	1.00	0.001206	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	-30	0.70	0.000837	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	-20	1.50	0.001793	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	-10	2.00	0.002391	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	0	0.80	0.000956	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	10	2.20	0.002630	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	20	0.80	0.000956	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	30	0.50	0.000598	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	40	0.50	0.000598	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	50	-0.20	-0.000239	±2.5	PASS



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Band5	10MHz	16QAM	20600	50RB#0	NV	-30	-0.50	-0.000592	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	-20	-1.80	-0.002133	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	-10	1.00	0.001185	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	0	1.10	0.001303	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	10	-0.90	-0.001066	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	20	0.10	0.000118	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	30	-0.70	-0.000829	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	40	1.10	0.001303	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	50	0.70	0.000829	±2.5	PASS



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