Appendix B

E-UTRA Band 5

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1 Effective (Isotropic) Radiated Power

1.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.25	21.63	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.31	21.69	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.34	21.72	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	23.28	21.66	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	23.32	21.7	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	23.37	21.75	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.27	20.65	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.38	21.76	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.43	21.81	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.34	21.72	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	23.43	21.81	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	23.47	21.85	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	23.38	21.76	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.44	20.82	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.35	21.73	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.39	21.77	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.33	21.71	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	23.39	21.77	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	23.46	21.84	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	23.43	21.81	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.40	20.78	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.52	20.9	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.62	21	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.61	20.99	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	22.42	20.8	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	22.41	20.79	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	22.49	20.87	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.31	19.69	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.67	21.05	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.65	21.03	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.52	20.9	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	22.50	20.88	38.45	PASS

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Band5	1.4MHz	16QAM	20525	3RB#1	22.49	20.87	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	22.47	20.85	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.52	19.9	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.63	21.01	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.62	21	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.55	20.93	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	22.49	20.87	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	22.58	20.96	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	22.48	20.86	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.48	19.86	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	23.03	21.41	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#2	22.16	20.54	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#5	22.11	20.49	38.45	PASS
Band5	1.4MHz	64QAM	20407	3RB#0	22.09	20.47	38.45	PASS
Band5	1.4MHz	64QAM	20407	3RB#1	22.14	20.52	38.45	PASS
Band5	1.4MHz	64QAM	20407	3RB#3	22.20	20.58	38.45	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	21.00	19.38	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	22.16	20.54	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#2	22.26	20.64	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#5	22.14	20.52	38.45	PASS
Band5	1.4MHz	64QAM	20525	3RB#0	22.18	20.56	38.45	PASS
Band5	1.4MHz	64QAM	20525	3RB#1	22.26	20.64	38.45	PASS
Band5	1.4MHz	64QAM	20525	3RB#3	22.16	20.54	38.45	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	21.12	19.5	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	22.27	20.65	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#2	22.27	20.65	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#5	22.19	20.57	38.45	PASS
Band5	1.4MHz	64QAM	20643	3RB#0	22.21	20.59	38.45	PASS
Band5	1.4MHz	64QAM	20643	3RB#1	22.28	20.66	38.45	PASS
Band5	1.4MHz	64QAM	20643	3RB#3	22.25	20.63	38.45	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	21.14	19.52	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.32	21.7	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.40	21.78	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.36	21.74	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#0	22.42	20.8	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#4	22.47	20.85	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#7	22.42	20.8	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.44	20.82	38.45	PASS

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Band5	3MHz	QPSK	20525	1RB#0	23.42	21.8	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.43	21.81	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.40	21.78	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#0	22.51	20.89	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#4	22.51	20.89	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.43	20.81	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.46	20.84	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.37	21.75	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.44	21.82	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.38	21.76	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#0	22.40	20.78	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#4	22.49	20.87	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.45	20.83	38.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.42	20.8	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.57	20.95	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.70	21.08	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.54	20.92	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#0	21.52	19.9	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#4	21.52	19.9	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#7	21.49	19.87	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.45	19.83	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.72	21.1	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.71	21.09	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.62	21	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#0	21.57	19.95	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#4	21.59	19.97	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#7	21.50	19.88	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.50	19.88	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.62	21	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.66	21.04	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.64	21.02	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#0	21.45	19.83	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#4	21.54	19.92	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#7	21.51	19.89	38.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.49	19.87	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#0	22.15	20.53	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#8	22.20	20.58	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#14	22.21	20.59	38.45	PASS

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Band5	3MHz	64QAM	20415	8RB#0	21.22	19.6	38.45	PASS
Band5	3MHz	64QAM	20415	8RB#4	21.16	19.54	38.45	PASS
Band5	3MHz	64QAM	20415	8RB#7	21.18	19.56	38.45	PASS
Band5	3MHz	64QAM	20415	15RB#0	21.09	19.47	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#0	22.26	20.64	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#8	22.25	20.63	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#14	22.27	20.65	38.45	PASS
Band5	3MHz	64QAM	20525	8RB#0	21.19	19.57	38.45	PASS
Band5	3MHz	64QAM	20525	8RB#4	21.24	19.62	38.45	PASS
Band5	3MHz	64QAM	20525	8RB#7	21.17	19.55	38.45	PASS
Band5	3MHz	64QAM	20525	15RB#0	21.21	19.59	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#0	22.23	20.61	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#8	22.37	20.75	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#14	22.20	20.58	38.45	PASS
Band5	3MHz	64QAM	20635	8RB#0	21.13	19.51	38.45	PASS
Band5	3MHz	64QAM	20635	8RB#4	21.20	19.58	38.45	PASS
Band5	3MHz	64QAM	20635	8RB#7	21.20	19.58	38.45	PASS
Band5	3MHz	64QAM	20635	15RB#0	21.16	19.54	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.34	21.72	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.37	21.75	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.39	21.77	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#0	22.47	20.85	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#6	22.46	20.84	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#13	22.46	20.84	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.45	20.83	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.44	21.82	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.42	21.8	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.42	21.8	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.51	20.89	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.49	20.87	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.44	20.82	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.48	20.86	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.49	21.87	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.36	21.74	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.42	21.8	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#0	22.49	20.87	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#6	22.45	20.83	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#13	22.53	20.91	38.45	PASS

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Band5	5MHz	QPSK	20625	25RB#0	22.50	20.88	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.58	20.96	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.57	20.95	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.62	21	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#0	21.49	19.87	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#6	21.51	19.89	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#13	21.48	19.86	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.50	19.88	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.83	21.21	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.68	21.06	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.70	21.08	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#0	21.57	19.95	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#6	21.55	19.93	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#13	21.49	19.87	38.45	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.52	19.9	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.85	21.23	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.61	20.99	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.59	20.97	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#0	21.58	19.96	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#6	21.43	19.81	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#13	21.48	19.86	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.48	19.86	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#0	22.22	20.6	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#12	22.18	20.56	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#24	22.17	20.55	38.45	PASS
Band5	5MHz	64QAM	20425	12RB#0	21.23	19.61	38.45	PASS
Band5	5MHz	64QAM	20425	12RB#6	21.18	19.56	38.45	PASS
Band5	5MHz	64QAM	20425	12RB#13	21.13	19.51	38.45	PASS
Band5	5MHz	64QAM	20425	25RB#0	21.14	19.52	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#0	22.32	20.7	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#12	22.29	20.67	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#24	22.28	20.66	38.45	PASS
Band5	5MHz	64QAM	20525	12RB#0	21.23	19.61	38.45	PASS
Band5	5MHz	64QAM	20525	12RB#6	21.26	19.64	38.45	PASS
Band5	5MHz	64QAM	20525	12RB#13	21.20	19.58	38.45	PASS
Band5	5MHz	64QAM	20525	25RB#0	21.25	19.63	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#0	22.37	20.75	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#12	22.14	20.52	38.45	PASS

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Band5	5MHz	64QAM	20625	1RB#24	22.34	20.72	38.45	PASS
Band5	5MHz	64QAM	20625	12RB#0	21.22	19.6	38.45	PASS
Band5	5MHz	64QAM	20625	12RB#6	21.14	19.52	38.45	PASS
Band5	5MHz	64QAM	20625	12RB#13	21.22	19.6	38.45	PASS
Band5	5MHz	64QAM	20625	25RB#0	21.22	19.6	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.26	21.64	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.26	21.64	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.35	21.73	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.39	20.77	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#12	22.40	20.78	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.42	20.8	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.34	20.72	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.52	21.9	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.42	21.8	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.45	21.83	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.56	20.94	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.52	20.9	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.49	20.87	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.50	20.88	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.44	21.82	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.45	21.83	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.41	21.79	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.56	20.94	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.56	20.94	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#25	22.51	20.89	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.51	20.89	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.52	20.9	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.58	20.96	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.61	20.99	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.38	19.76	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#12	21.41	19.79	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.37	19.75	38.45	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.37	19.75	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.82	21.2	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.73	21.11	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.74	21.12	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.55	19.93	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#12	21.51	19.89	38.45	PASS

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Band5	10MHz	16QAM	20525	25RB#25	21.43	19.81	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.49	19.87	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.63	21.01	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.69	21.07	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.57	20.95	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#0	21.56	19.94	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#12	21.54	19.92	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#25	21.48	19.86	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.54	19.92	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#0	22.13	20.51	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#24	22.17	20.55	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#49	22.22	20.6	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#0	21.13	19.51	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#12	21.09	19.47	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#25	21.15	19.53	38.45	PASS
Band5	10MHz	64QAM	20450	50RB#0	21.05	19.43	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#0	22.38	20.76	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#24	22.27	20.65	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#49	22.37	20.75	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#0	21.22	19.6	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#12	21.26	19.64	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#25	21.22	19.6	38.45	PASS
Band5	10MHz	64QAM	20525	50RB#0	21.20	19.58	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#0	22.26	20.64	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#24	22.28	20.66	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#49	22.26	20.64	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#0	21.28	19.66	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#12	21.30	19.68	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#25	21.23	19.61	38.45	PASS
Band5	10MHz	64QAM	20600	50RB#0	21.27	19.65	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]

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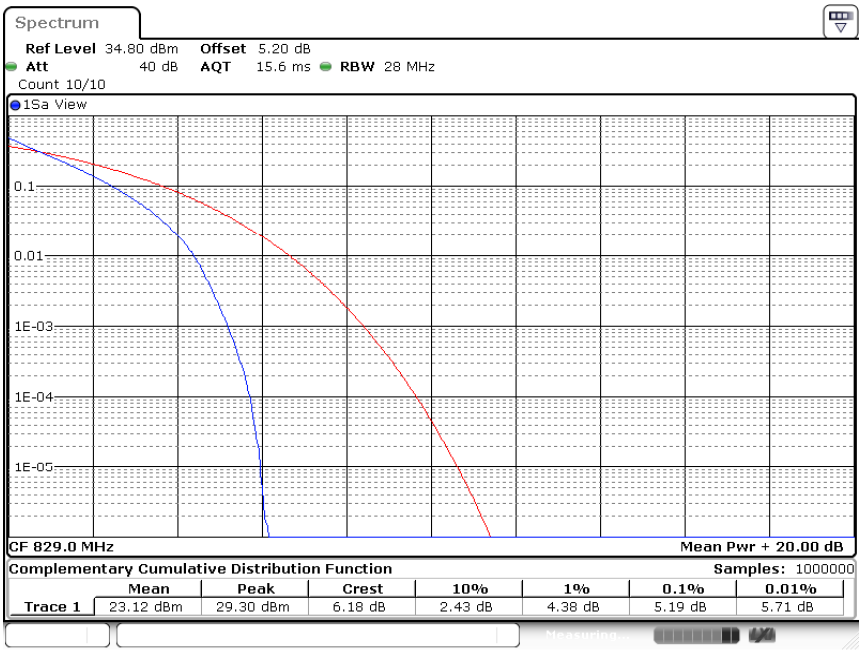
2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	10MHz	QPSK	20450	50RB#0	5.19	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.30	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.25	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	5.94	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.00	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.00	13	PASS
Band5	10MHz	64QAM	20450	50RB#0	6.46	13	PASS
Band5	10MHz	64QAM	20525	50RB#0	6.52	13	PASS
Band5	10MHz	64QAM	20600	50RB#0	6.49	13	PASS

2.2. Test Plots

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



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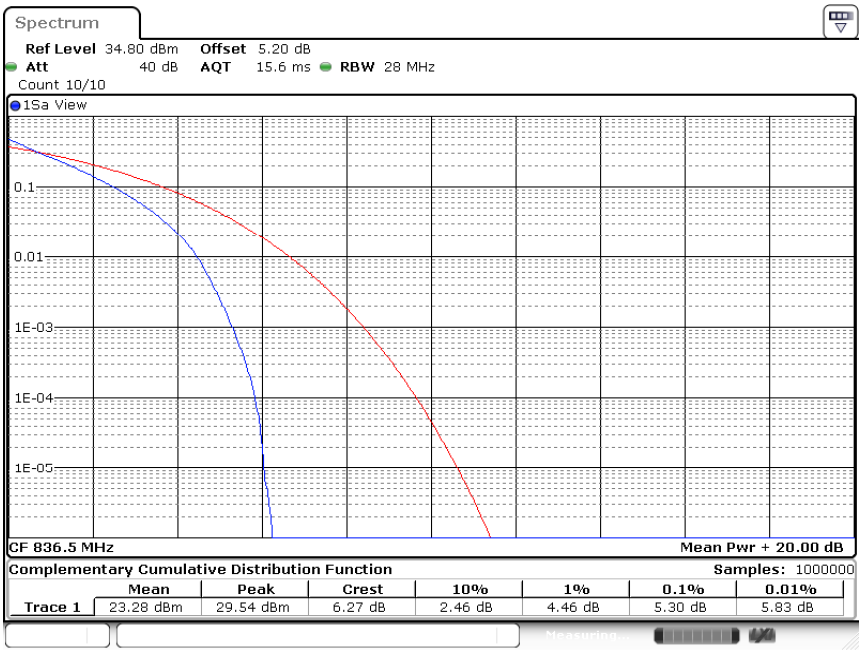

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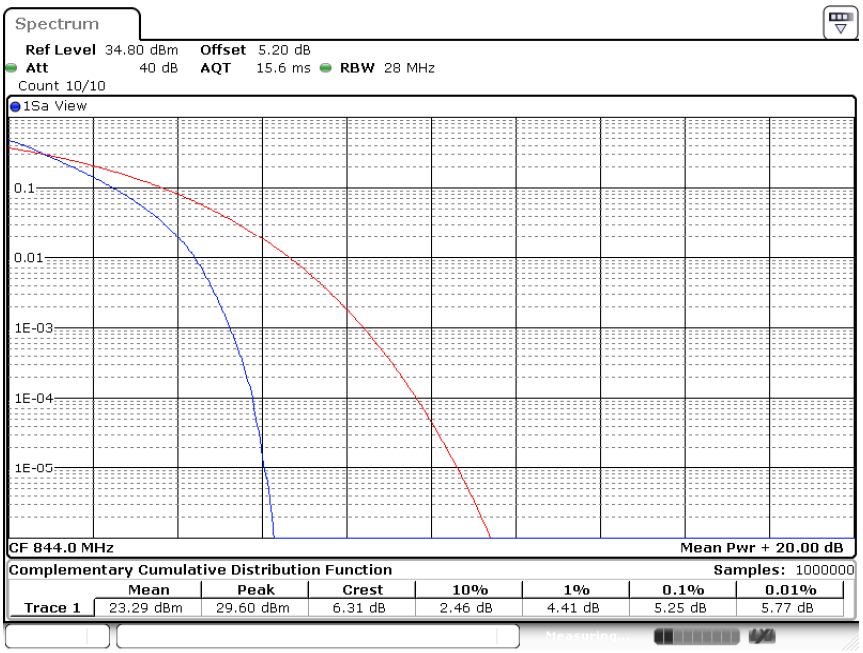
Band5-10MHz-QPSK-20600-50RB#0



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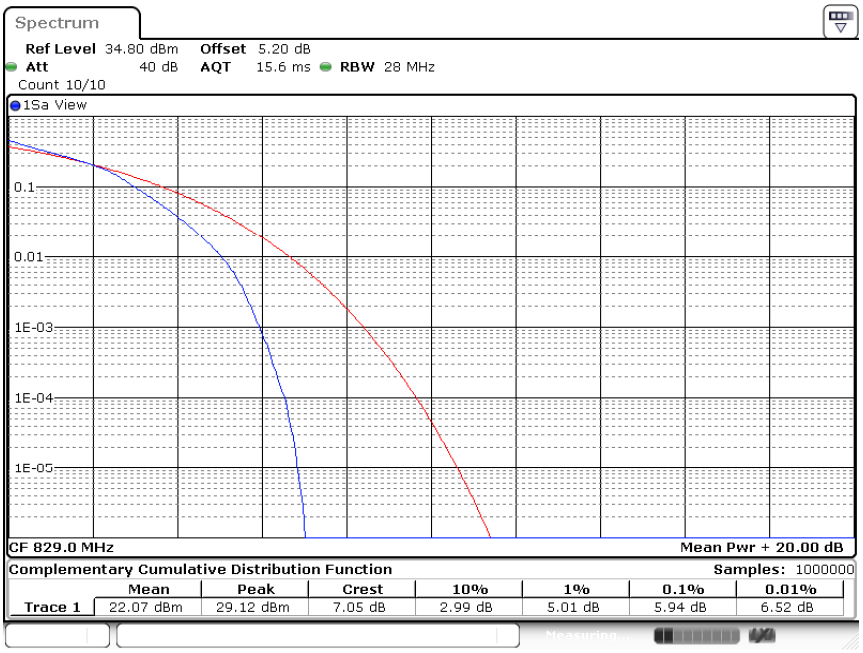

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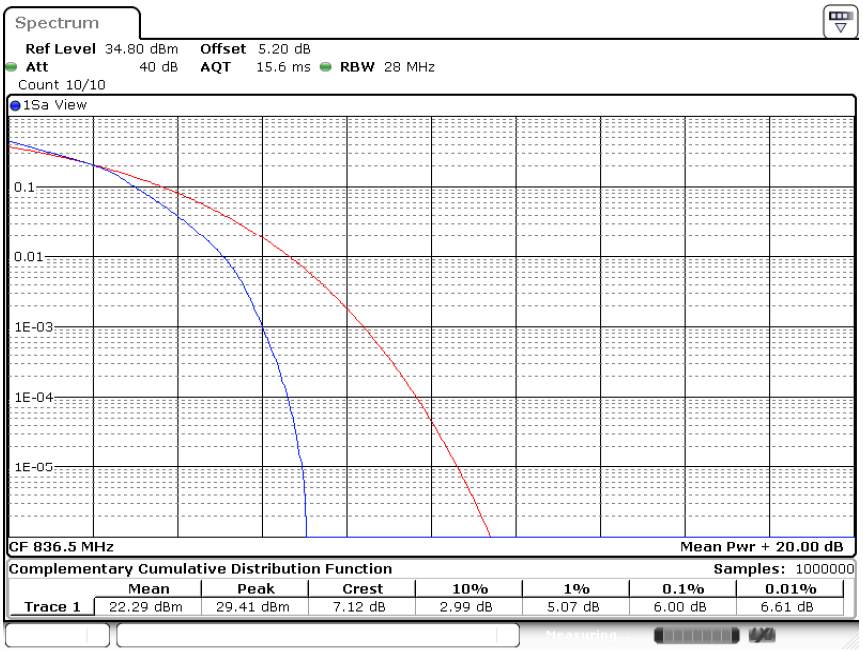

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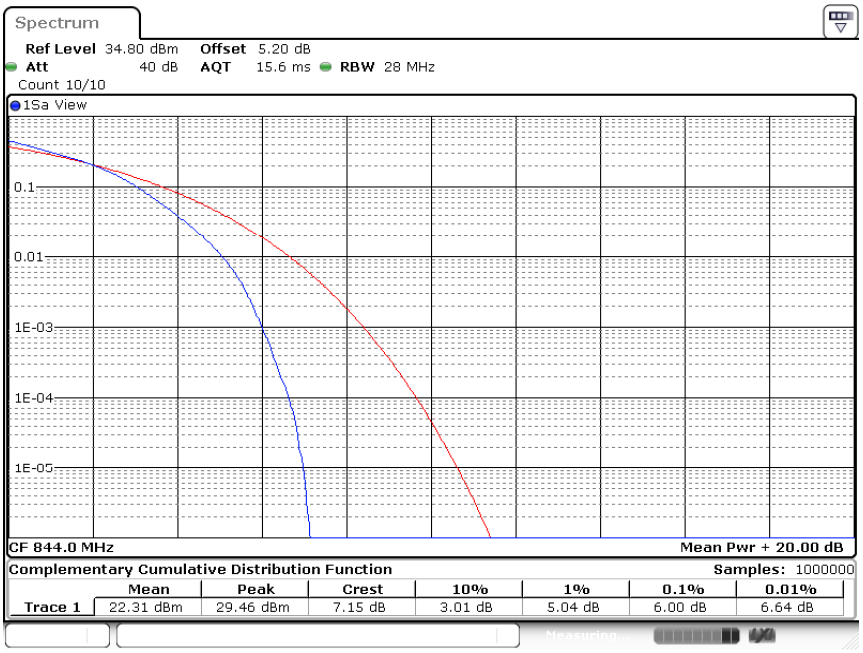

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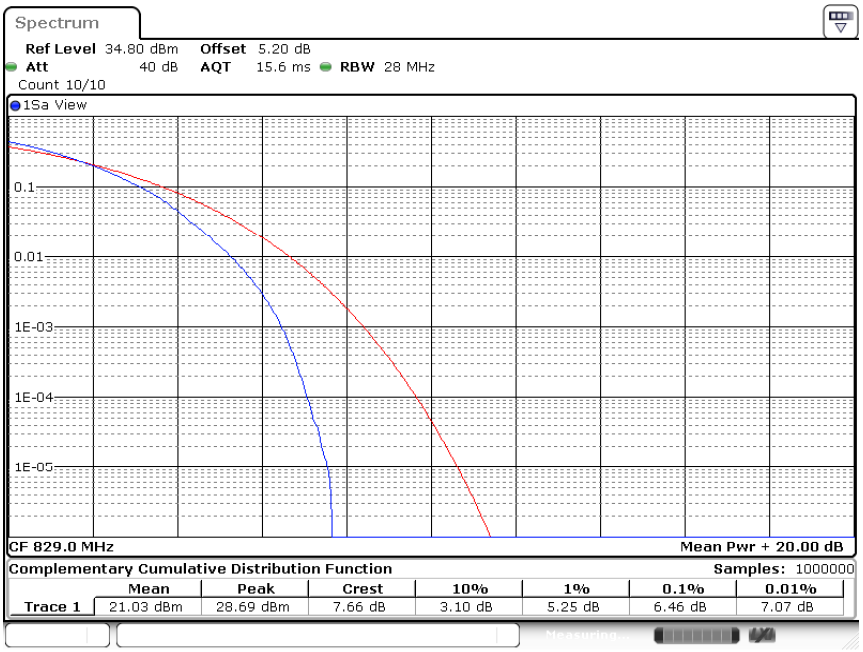
Band5-10MHz-64QAM-20450-50RB#0



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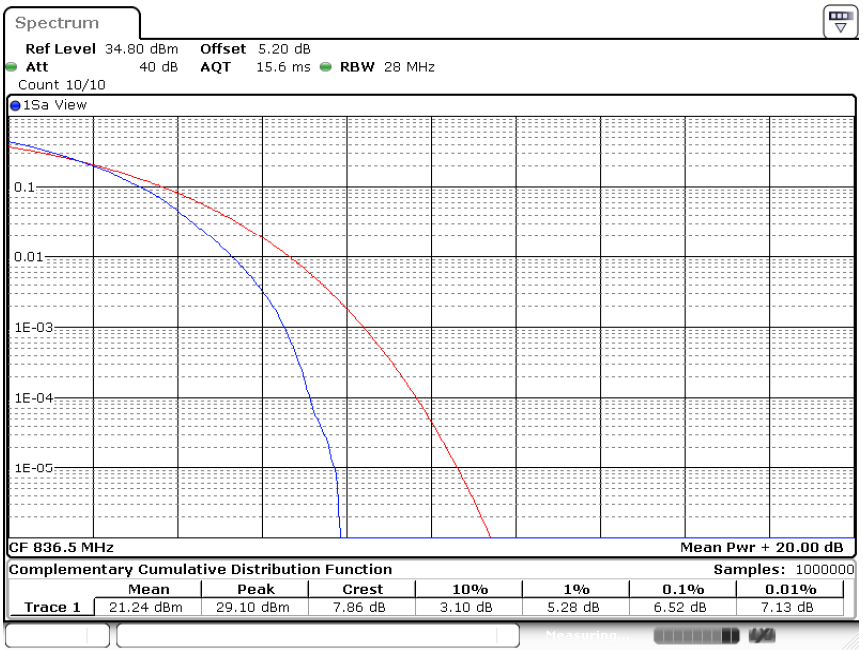
Band5-10MHz-64QAM-20525-50RB#0



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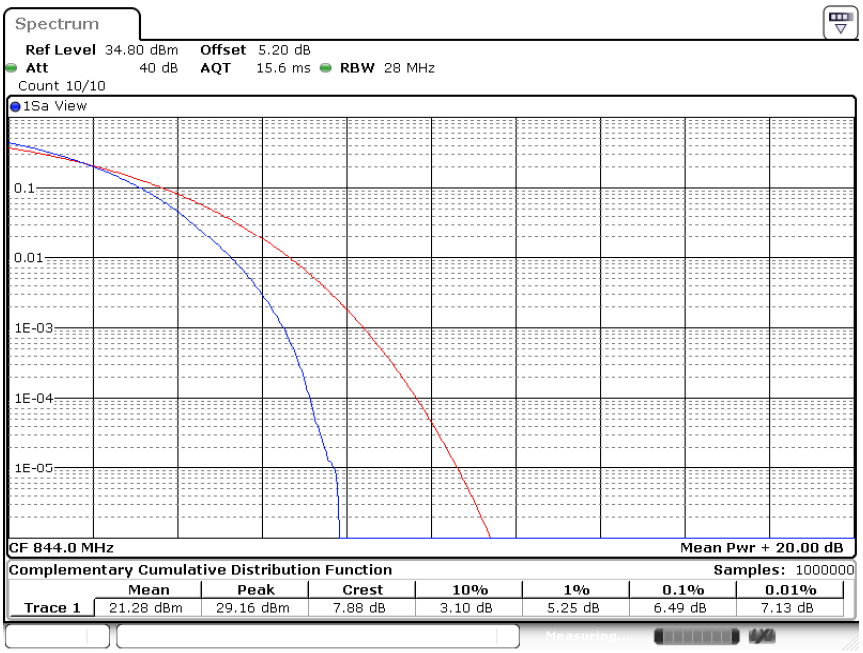
Band5-10MHz-64QAM-20600-50RB#0



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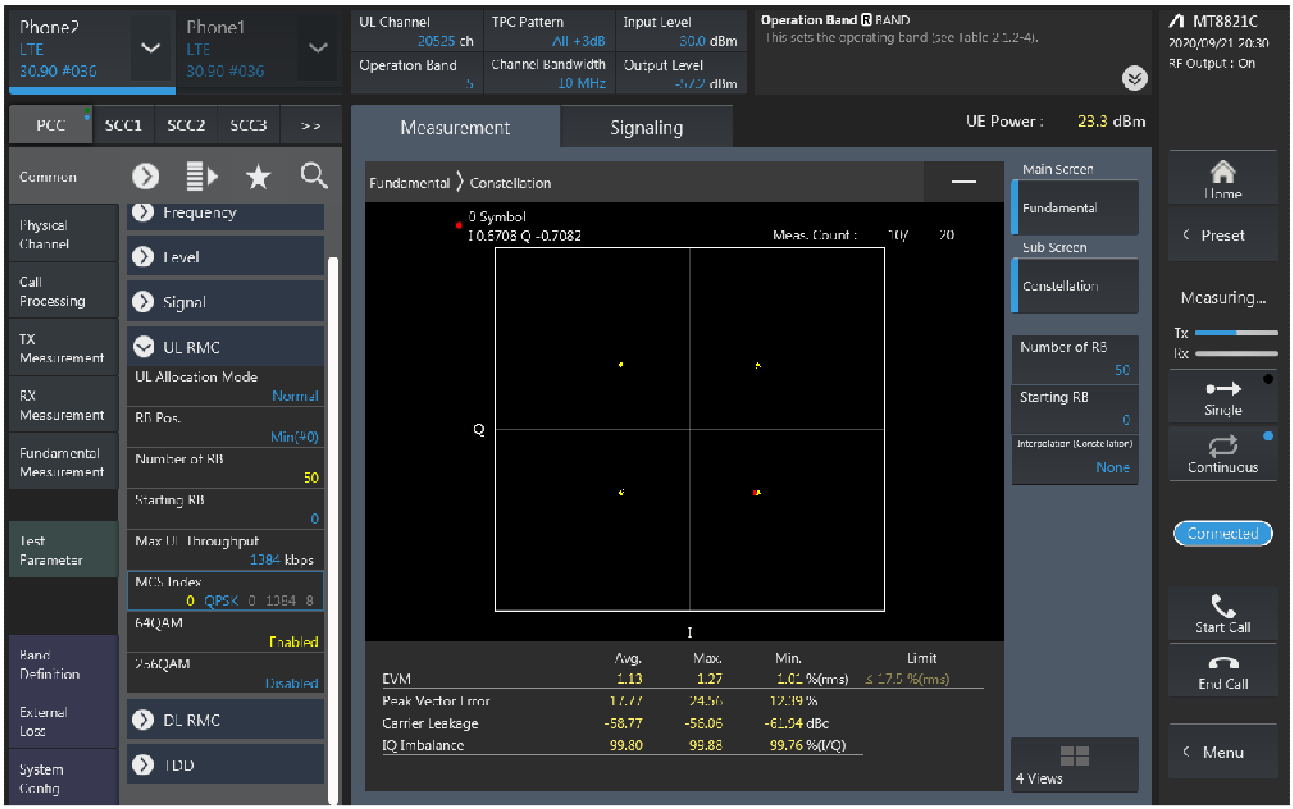
3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 10MHz

3.1.1.Test Channel = MCH



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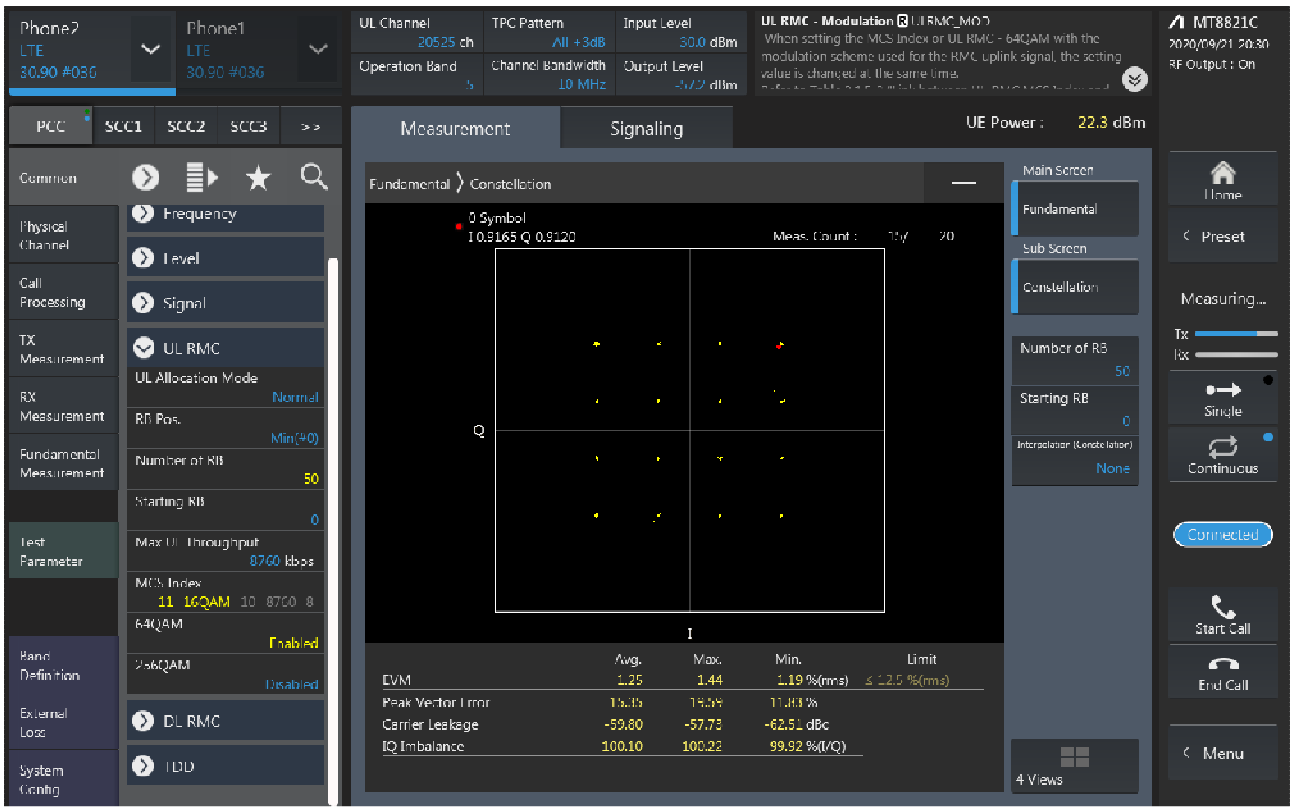
3.2. Test Mode = LTE /TM2 10MHz

3.2.1.Test Channel = MCH



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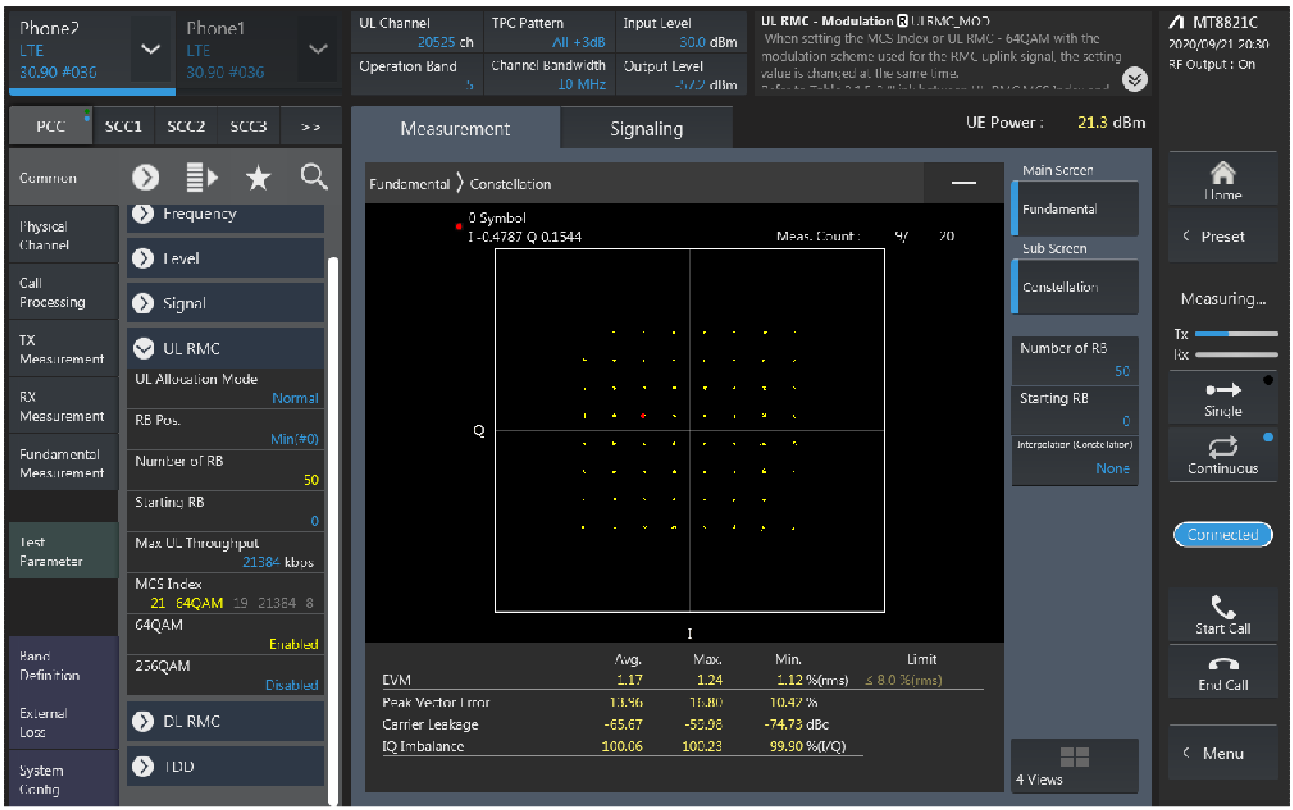
3.3. Test Mode = LTE /TM3 10MHz

3.3.1.Test Channel = MCH



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4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.085	1.233	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.091	1.236	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.085	1.233	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.085	1.236	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.085	1.236	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.085	1.236	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	1.094	1.236	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	1.094	1.230	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	1.094	1.242	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.697	3.006	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.691	2.994	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.691	3.012	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.685	2.982	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.685	2.982	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.685	2.982	PASS
Band5	3MHz	64QAM	20415	15RB#0	2.691	2.988	PASS
Band5	3MHz	64QAM	20525	15RB#0	2.685	2.982	PASS
Band5	3MHz	64QAM	20635	15RB#0	2.685	2.982	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.476	4.900	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.476	4.890	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.476	4.910	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.486	4.930	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.486	4.930	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.496	4.920	PASS
Band5	5MHz	64QAM	20425	25RB#0	4.476	4.880	PASS
Band5	5MHz	64QAM	20525	25RB#0	4.476	4.870	PASS
Band5	5MHz	64QAM	20625	25RB#0	4.476	4.890	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.931	9.660	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.931	9.680	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.911	9.680	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.911	9.700	PASS

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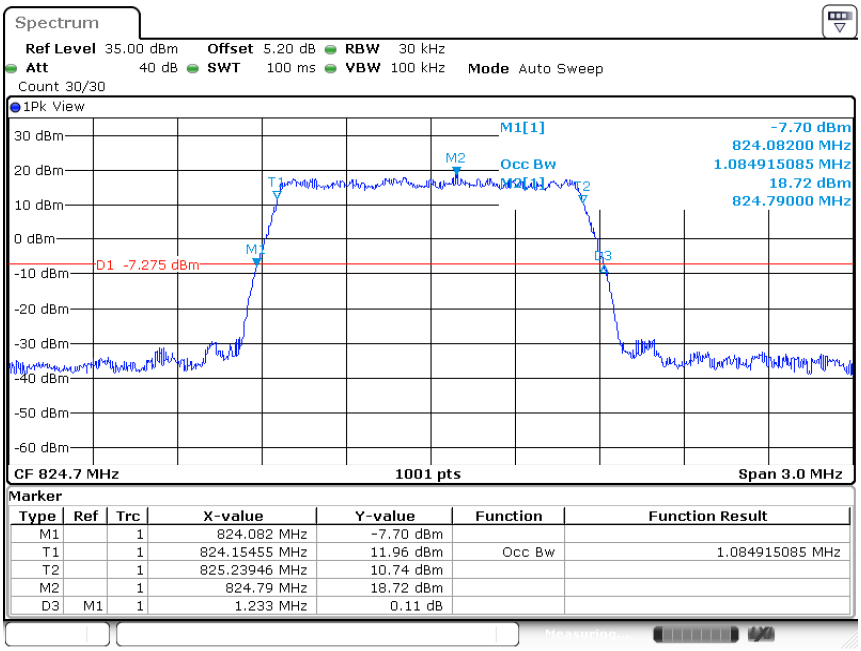
Band5	10MHz	16QAM	20525	50RB#0	8.911	9.680	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.931	9.700	PASS
Band5	10MHz	64QAM	20450	50RB#0	8.911	9.620	PASS
Band5	10MHz	64QAM	20525	50RB#0	8.931	9.660	PASS
Band5	10MHz	64QAM	20600	50RB#0	8.931	9.620	PASS

4.2. Test Plots

Band5-1.4MHz-QPSK-20407-6RB#0-1.085



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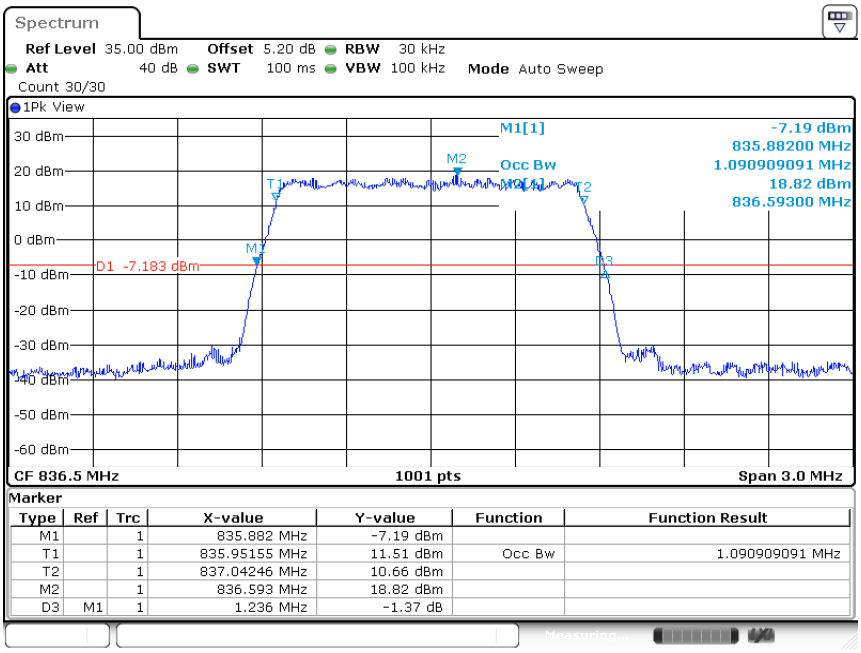
Band5-1.4MHz-QPSK-20525-6RB#0-1.091



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	835.882 MHz	-7.19 dBm		
T1		1	835.95155 MHz	11.51 dBm	Occ Bw	1.090909091 MHz
T2		1	837.04246 MHz	10.66 dBm		
M2		1	836.593 MHz	18.82 dBm		
D3	M1	1	1.236 MHz	-1.37 dB		

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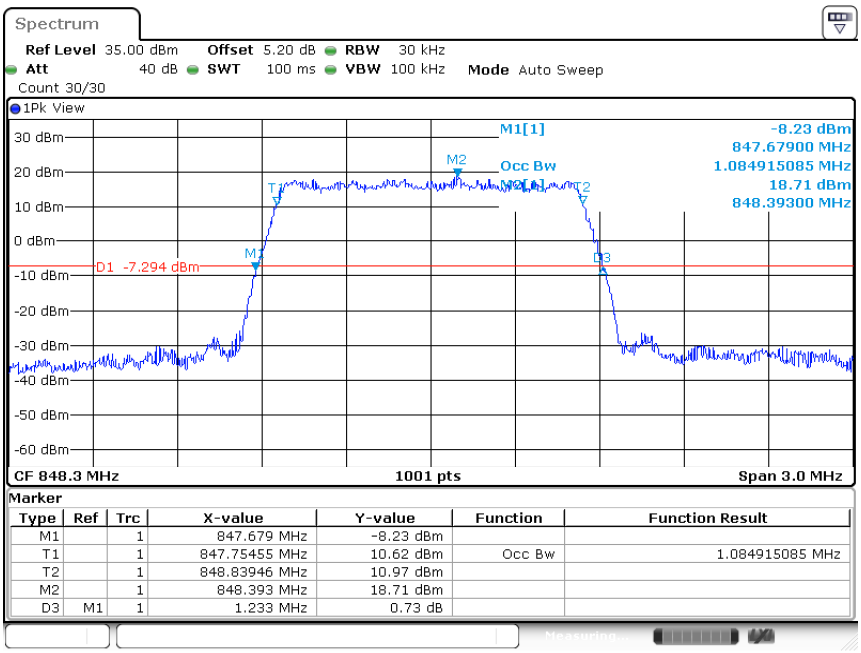
Band5-1.4MHz-QPSK-20643-6RB#0-1.085



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	847.679 MHz	-8.23 dBm		
T1		1	847.75455 MHz	10.62 dBm	Occ Bw	1.084915085 MHz
T2		1	848.83946 MHz	10.97 dBm		
M2		1	848.393 MHz	18.71 dBm		
D3	M1	1	1.233 MHz	0.73 dB		

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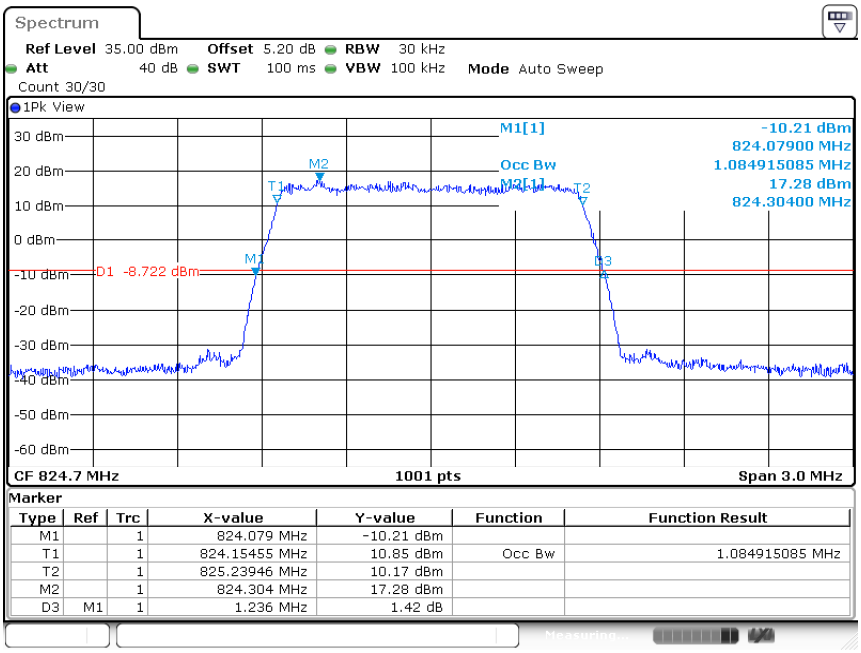
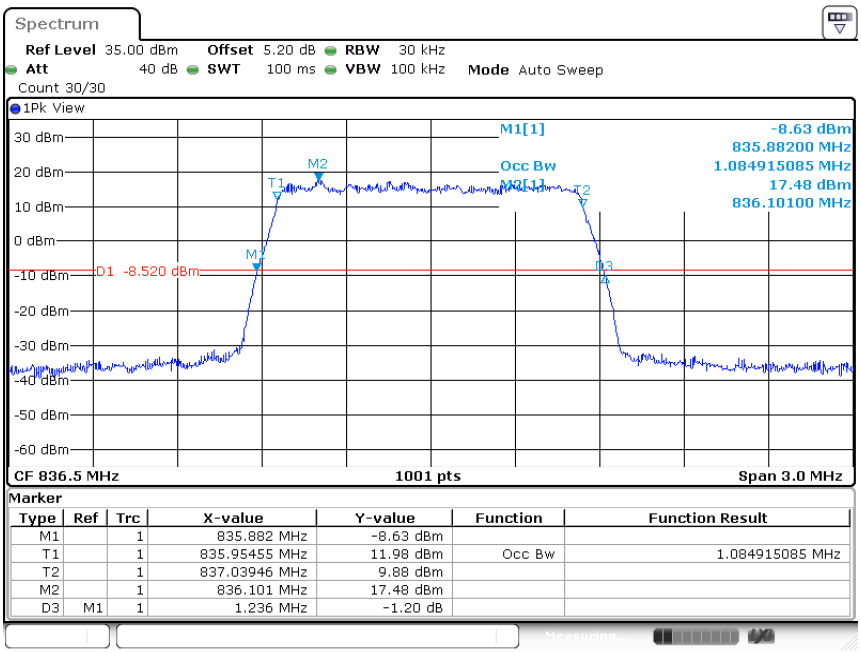
Band5-1.4MHz-16QAM-20407-6RB#0-1.085



Date: 22.SEP.2020 16:24:40

Band5-1.4MHz-16QAM-20525-6RB#0-1.085



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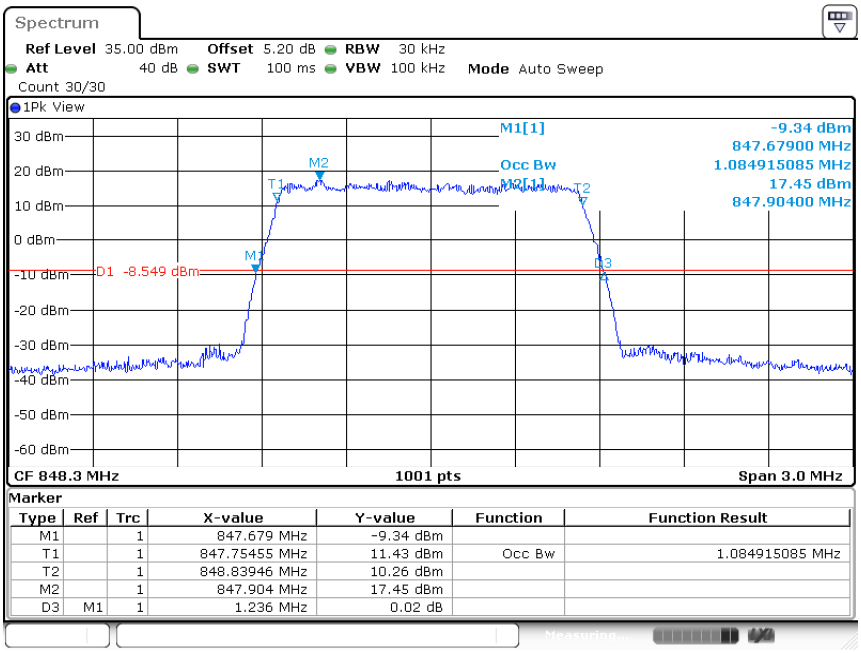
Band5-1.4MHz-16QAM-20643-6RB#0-1.085



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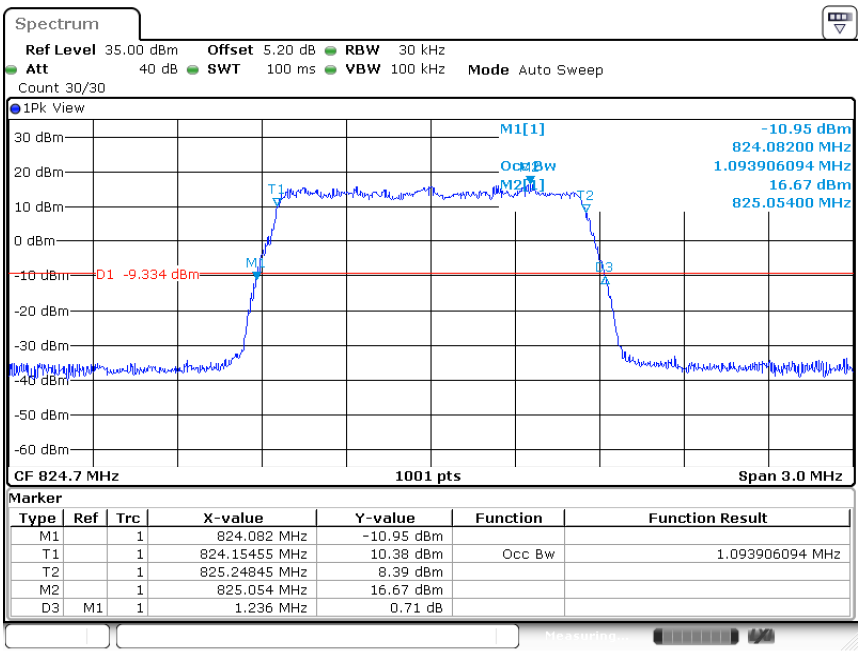
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	847.679 MHz	-9.34 dBm		
T1		1	847.75455 MHz	11.43 dBm	Occ Bw	1.084915085 MHz
T2		1	848.83946 MHz	10.26 dBm		
M2		1	847.904 MHz	17.45 dBm		
D3	M1	1	1.236 MHz	0.02 dB		

Date: 22.SEP.2020 16:25:44

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



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	824.082 MHz	-10.95 dBm		
T1		1	824.15455 MHz	10.38 dBm	Occ Bw	1.093906094 MHz
T2		1	825.24845 MHz	8.39 dBm		
M2		1	825.054 MHz	16.67 dBm		
D3	M1	1	1.236 MHz	0.71 dB		

Date: 22.SEP.2020 19:04:25

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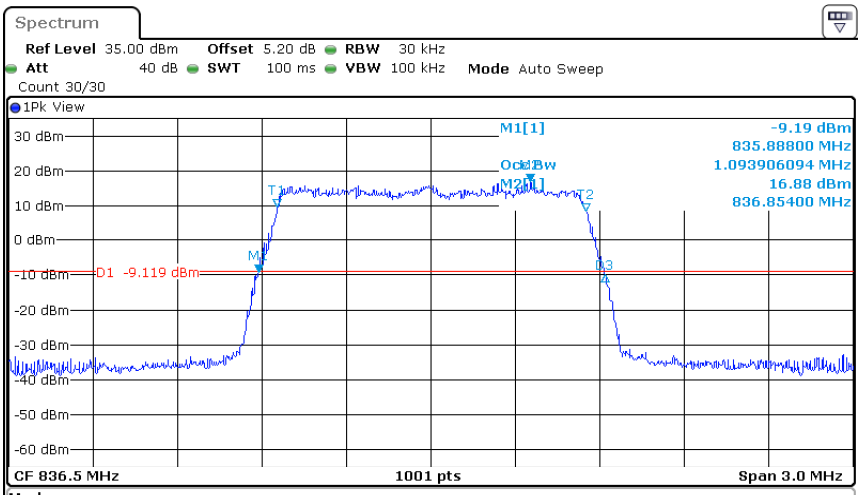
Band5-1.4MHz-64QAM-20525-6RB#0-1.094

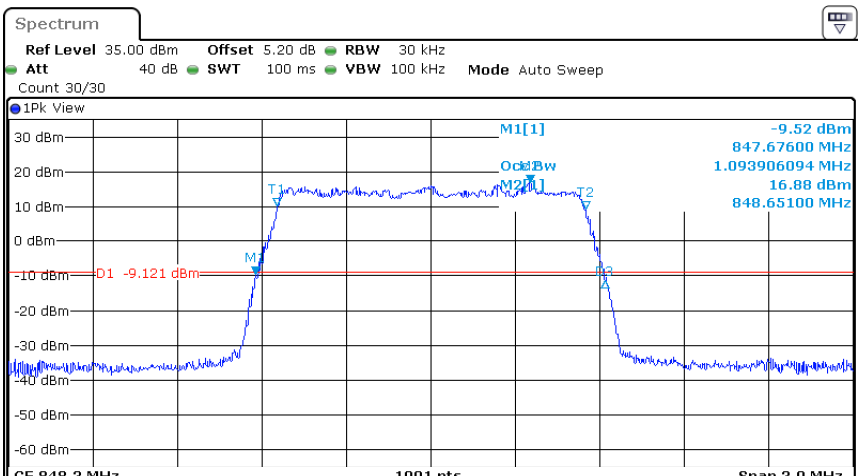


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	835.888 MHz	-9.19 dBm		
T1		1	835.95455 MHz	9.65 dBm	Occ Bw	1.093906094 MHz
T2		1	837.04845 MHz	8.39 dBm		
M2		1	836.854 MHz	16.88 dBm		
D3	M1	1	1.23 MHz	-0.73 dB		

Date: 22.SEP.2020 19:04:41

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



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	847.676 MHz	-9.52 dBm		
T1		1	847.75455 MHz	10.42 dBm	Occ Bw	1.093906094 MHz
T2		1	848.84845 MHz	9.27 dBm		
M2		1	848.651 MHz	16.88 dBm		
D3	M1	1	1.242 MHz	-1.73 dB		

Date: 22.SEP.2020 19:04:57

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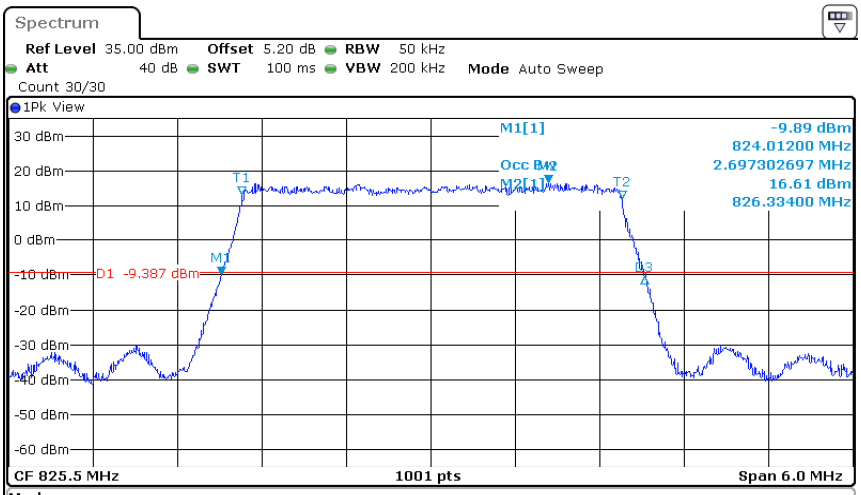
Band5-3MHz-QPSK-20415-15RB#0-2.697



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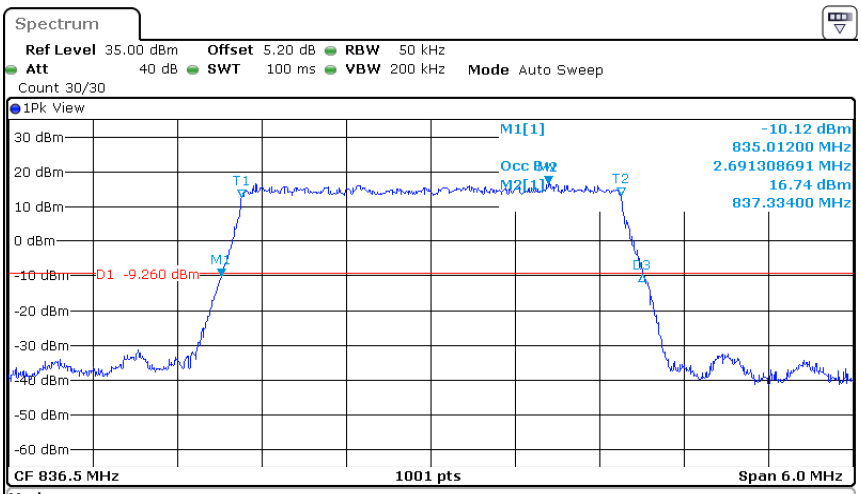
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	824.012 MHz	-9.89 dBm		
T1		1	824.15734 MHz	13.19 dBm	Occ Bw	2.697302697 MHz
T2		1	826.85465 MHz	12.14 dBm		
M2		1	826.334 MHz	16.61 dBm		
D3	M1	1	3.006 MHz	-0.65 dB		

Date: 22.SEP.2020 16:26:05

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



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	835.012 MHz	-10.12 dBm		
T1		1	835.15734 MHz	12.73 dBm	Occ Bw	2.691308691 MHz
T2		1	837.84865 MHz	13.28 dBm		
M2		1	837.334 MHz	16.74 dBm		
D3	M1	1	2.994 MHz	0.48 dB		

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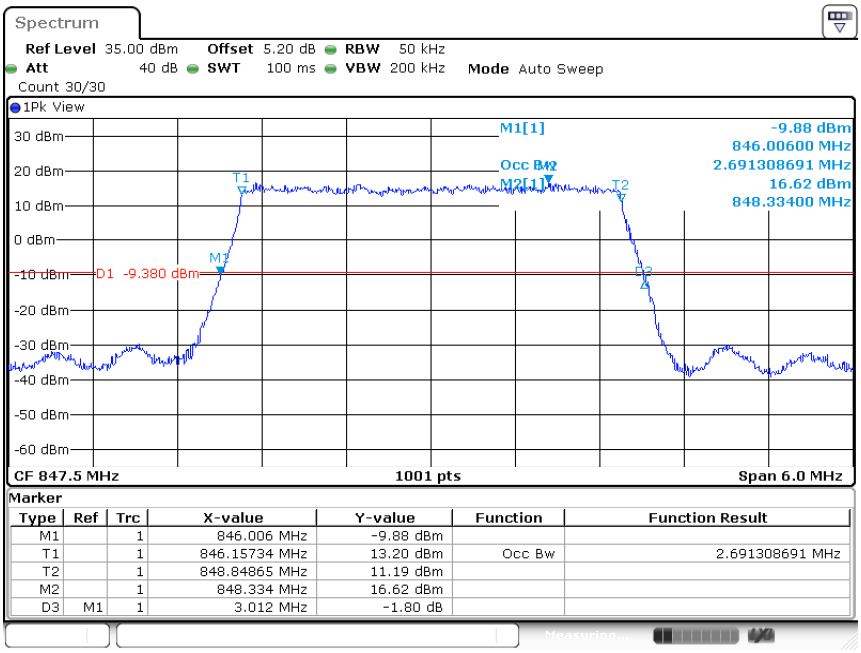
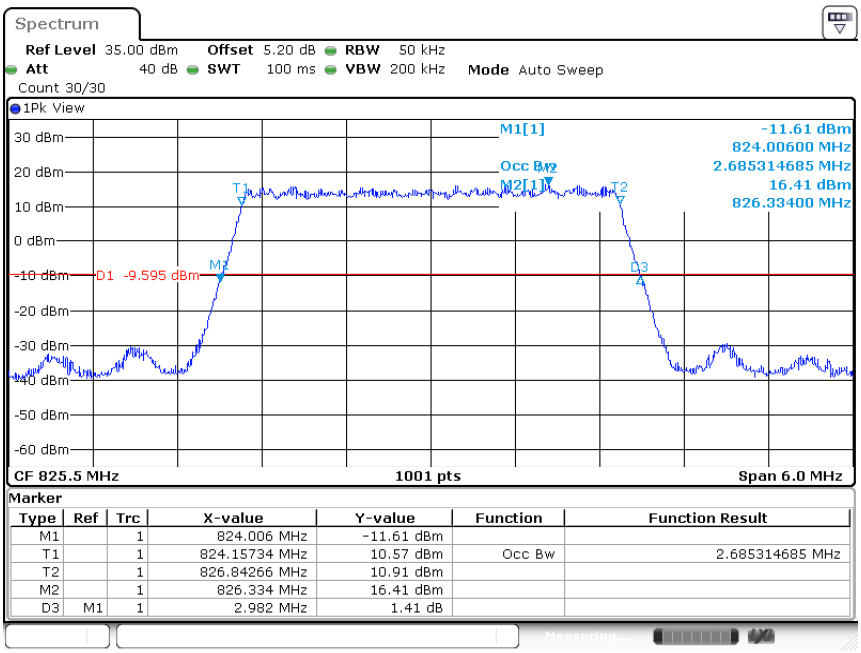
Band5-3MHz-QPSK-20635-15RB#0-2.691



Date: 22.SEP.2020 16:27:09

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



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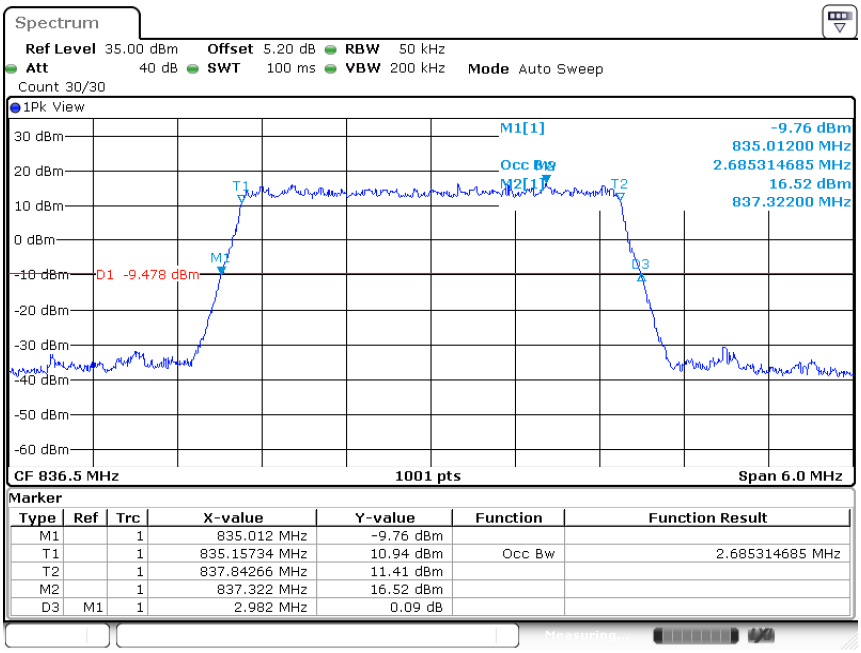
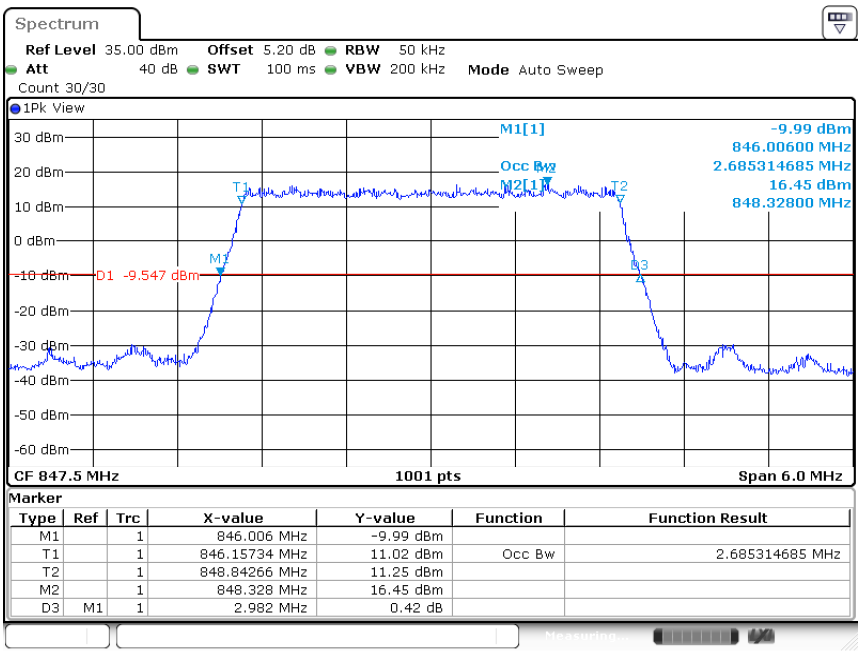
Band5-3MHz-16QAM-20525-15RB#0-2.685



Date: 22.SEP.2020 16:26:53

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



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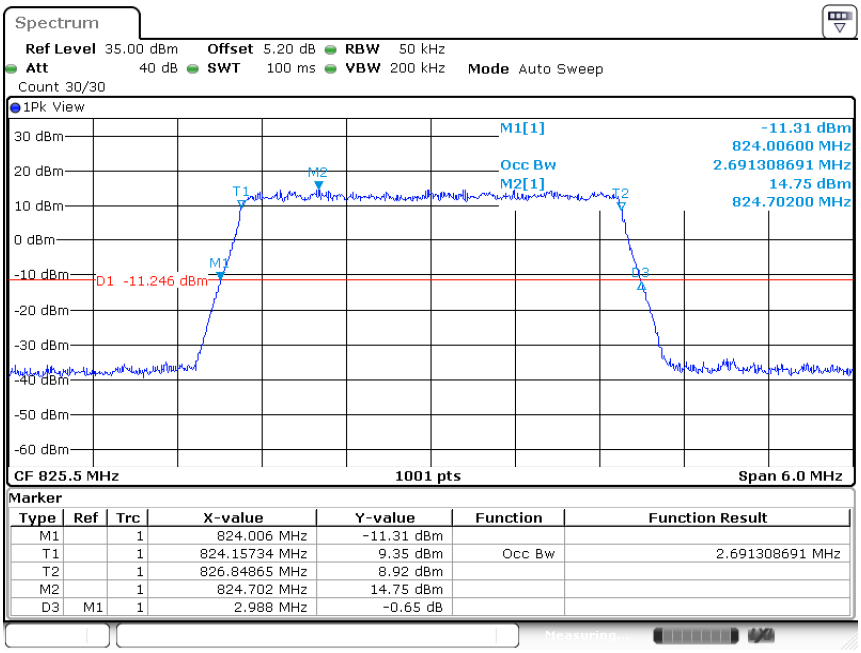
Band5-3MHz-64QAM-20415-15RB#0-2.691

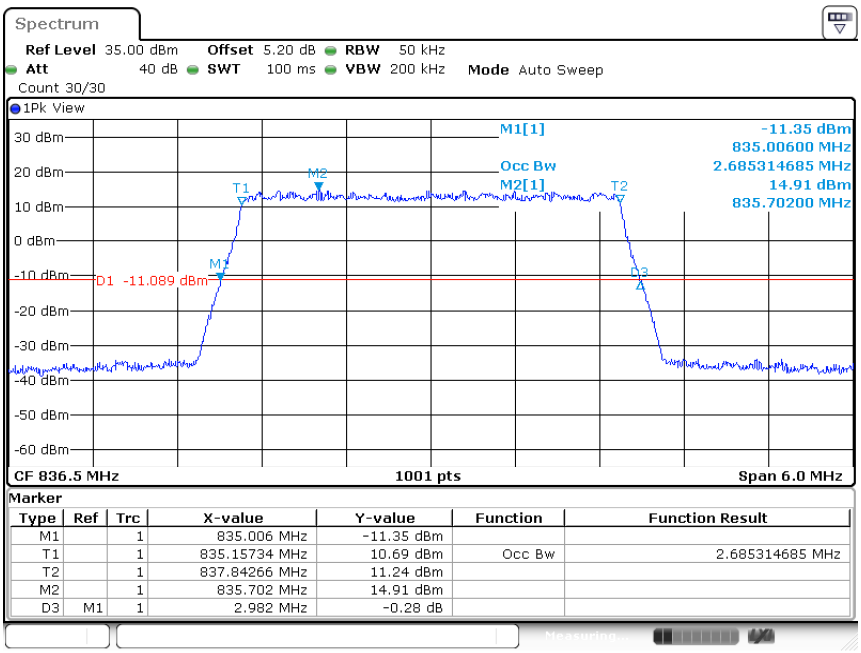


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	824.006 MHz	-11.31 dBm		
T1		1	824.15734 MHz	9.35 dBm	Occ Bw	2.691308691 MHz
T2		1	826.84865 MHz	8.92 dBm		
M2		1	824.702 MHz	14.75 dBm		
D3	M1	1	2.988 MHz	-0.65 dB		

Date: 22.SEP.2020 19:05:18

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



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	835.006 MHz	-11.35 dBm		
T1		1	835.15734 MHz	10.69 dBm	Occ Bw	2.685314685 MHz
T2		1	837.84266 MHz	11.24 dBm		
M2		1	835.702 MHz	14.91 dBm		
D3	M1	1	2.982 MHz	-0.28 dB		

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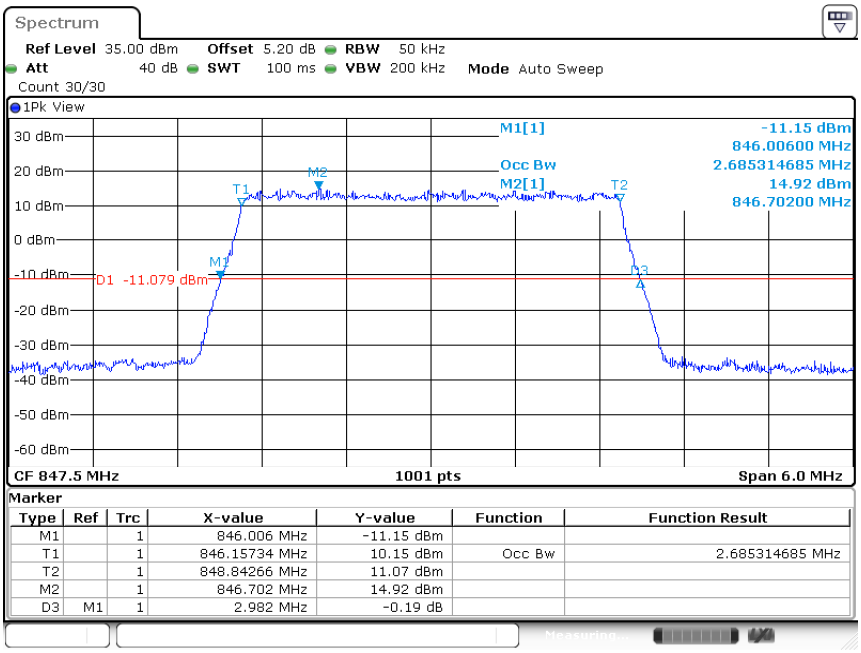
Band5-3MHz-64QAM-20635-15RB#0-2.685



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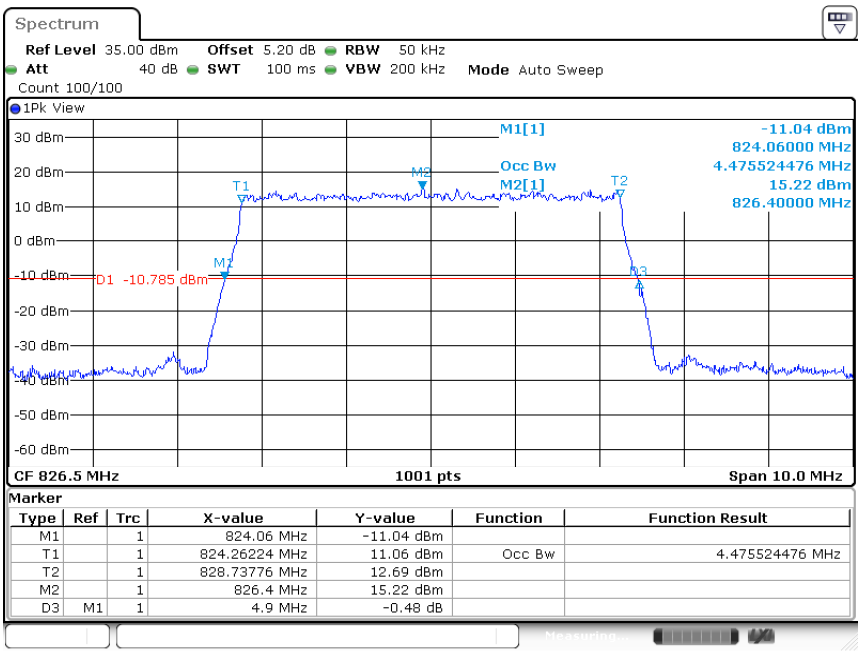
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	846.006 MHz	-11.15 dBm		
T1		1	846.15734 MHz	10.15 dBm	Occ Bw	2.685314685 MHz
T2		1	848.84266 MHz	11.07 dBm		
M2		1	846.702 MHz	14.92 dBm		
D3	M1	1	2.982 MHz	-0.19 dB		

Date: 22.SEP.2020 19:05:50

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



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	824.06 MHz	-11.04 dBm		
T1		1	824.26224 MHz	11.06 dBm	Occ Bw	4.475524476 MHz
T2		1	828.73776 MHz	12.69 dBm		
M2		1	826.4 MHz	15.22 dBm		
D3	M1	1	4.9 MHz	-0.48 dB		

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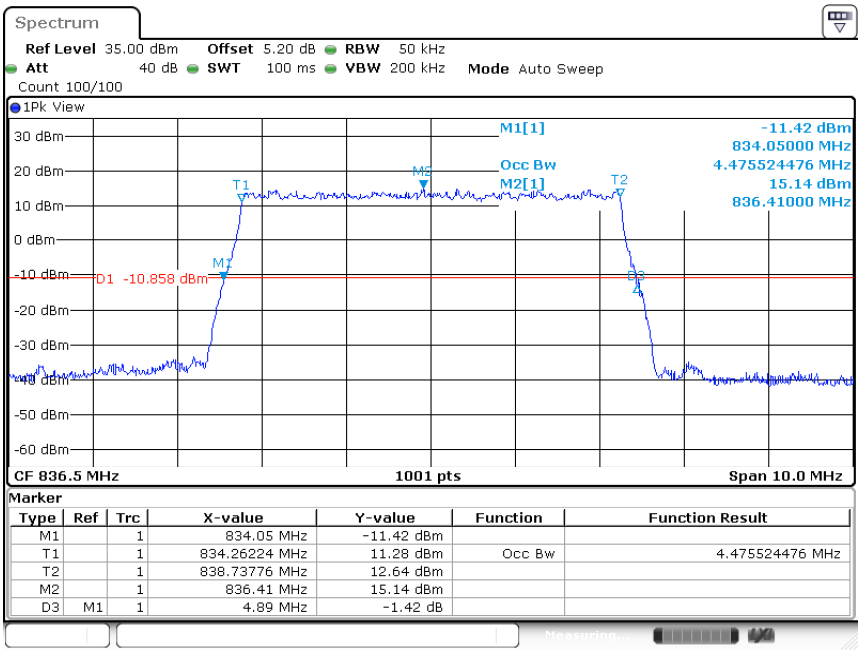

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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	834.05 MHz	-11.42 dBm		
T1		1	834.26224 MHz	11.28 dBm	Occ Bw	4.475524476 MHz
T2		1	838.73776 MHz	12.64 dBm		
M2		1	836.41 MHz	15.14 dBm		
D3	M1	1	4.89 MHz	-1.42 dB		

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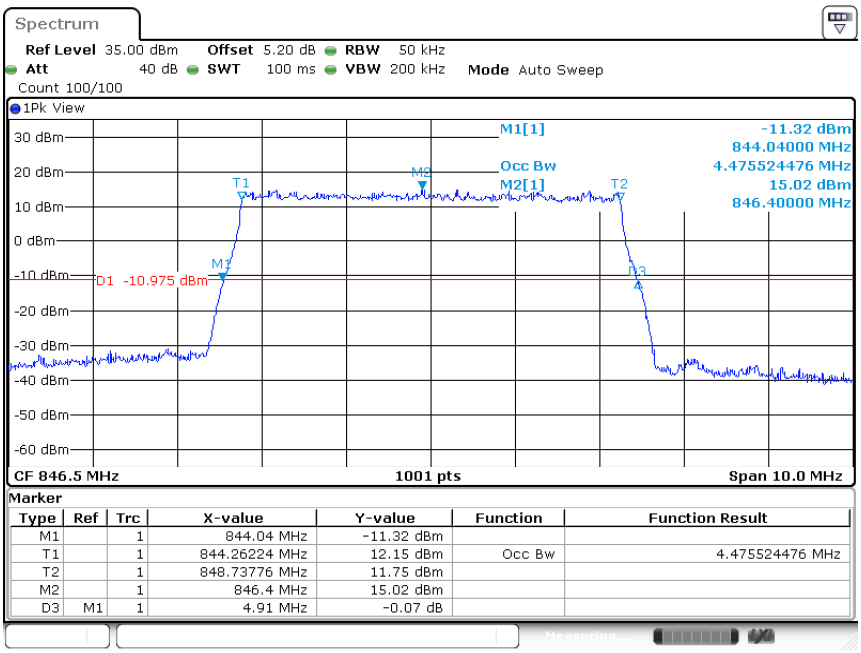
Band5-5MHz-QPSK-20625-25RB#0-4.476



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	844.04 MHz	-11.32 dBm		
T1		1	844.26224 MHz	12.15 dBm	Occ Bw	4.475524476 MHz
T2		1	848.73776 MHz	11.75 dBm		
M2		1	846.4 MHz	15.02 dBm		
D3	M1	1	4.91 MHz	-0.07 dB		

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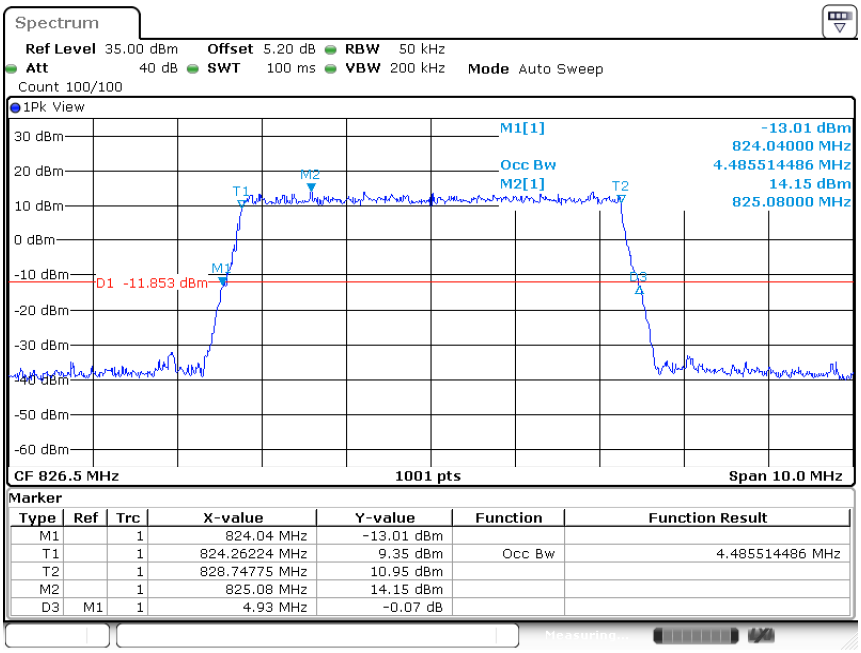
Band5-5MHz-16QAM-20425-25RB#0-4.486



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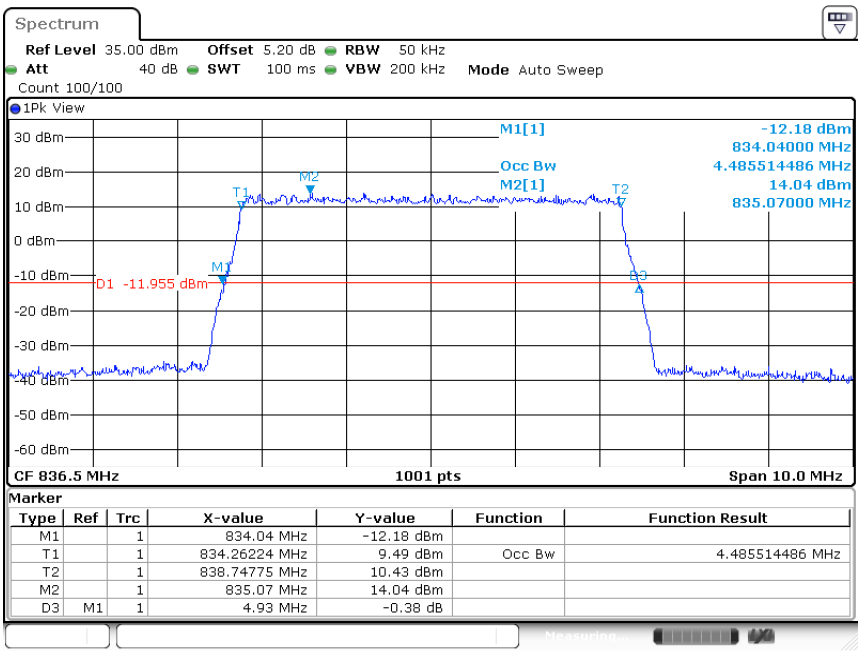
Band5-5MHz-16QAM-20525-25RB#0-4.486



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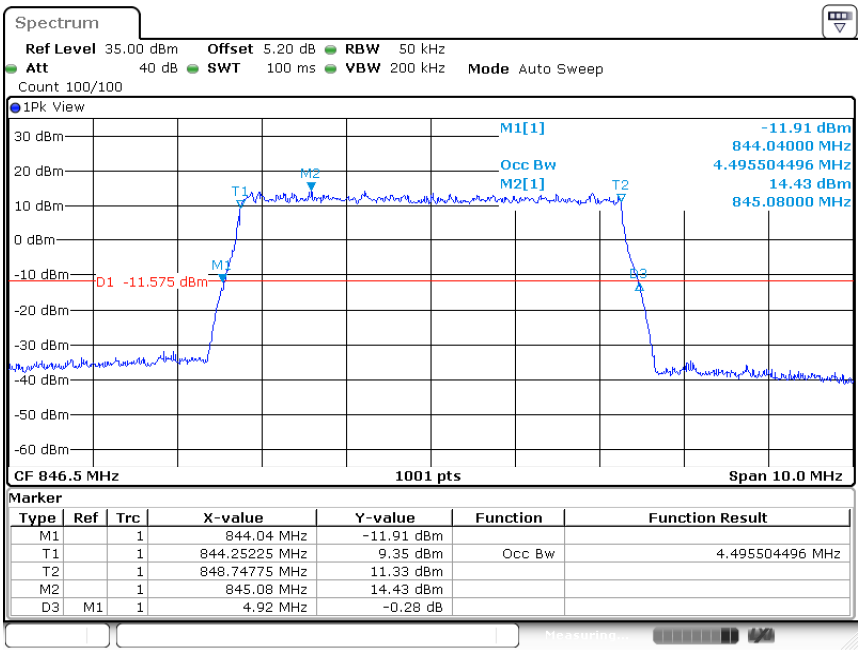
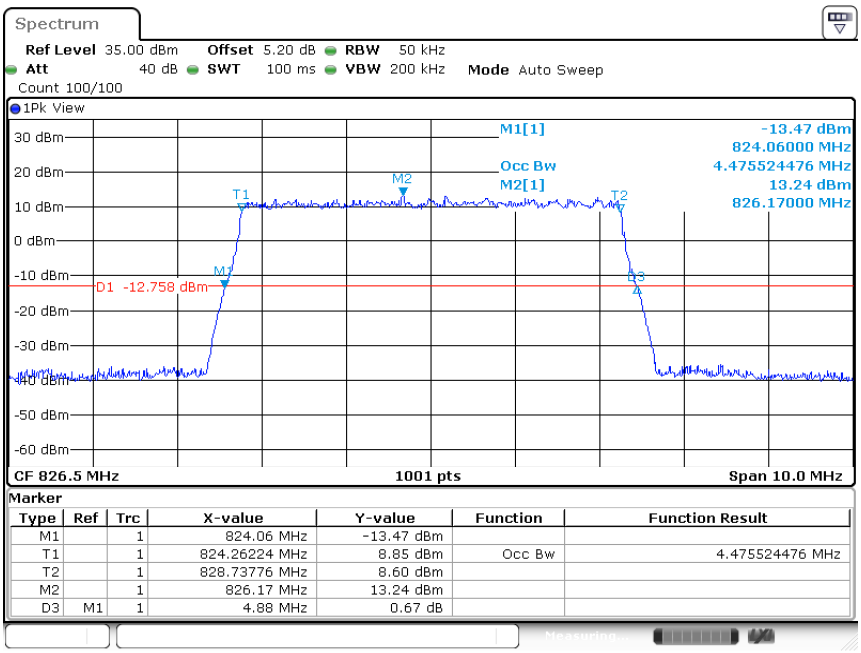
Band5-5MHz-16QAM-20625-25RB#0-4.496



Date: 22.SEP.2020 16:29:46

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



Date: 22.SEP.2020 19:06:18

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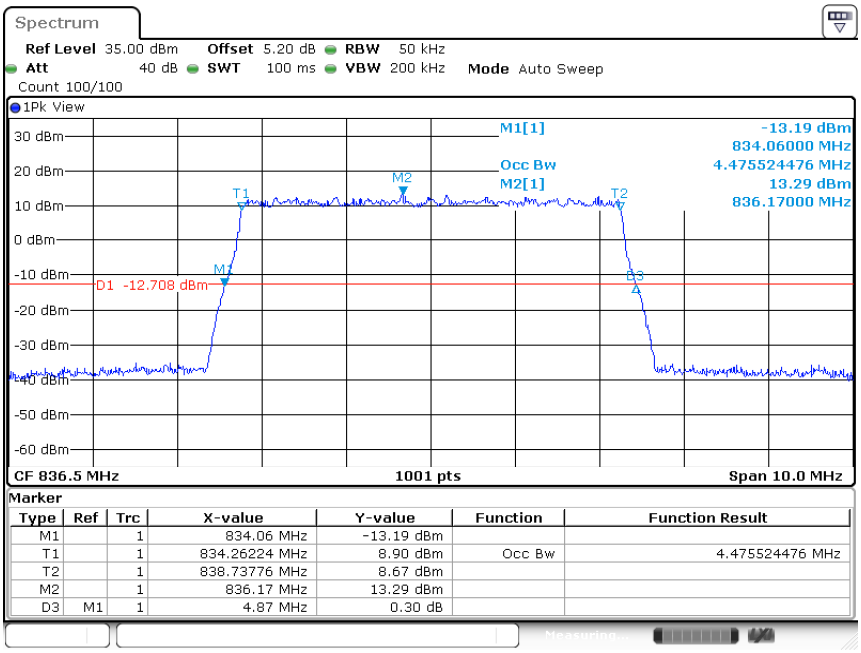
Band5-5MHz-64QAM-20525-25RB#0-4.476

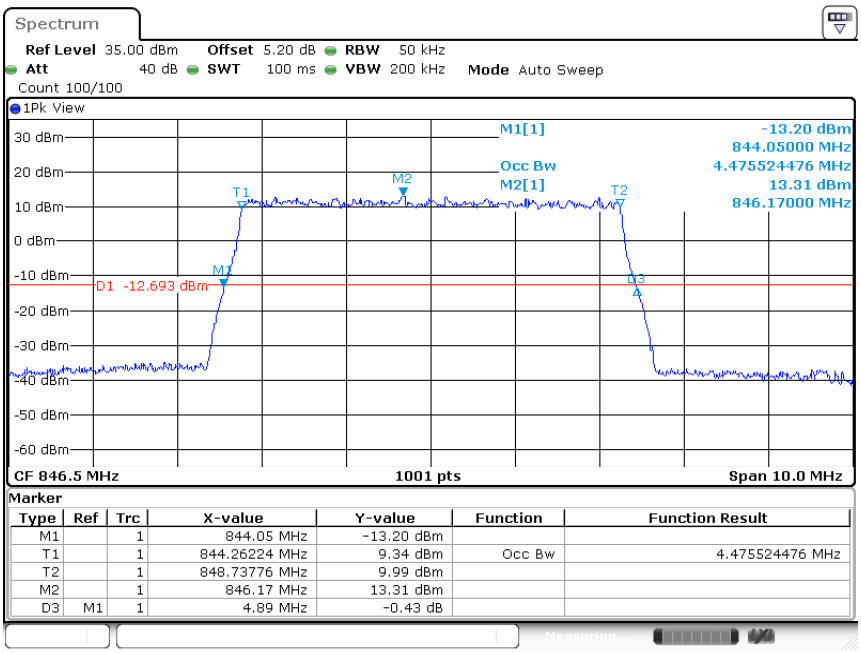


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	834.06 MHz	-13.19 dBm		
T1		1	834.26224 MHz	8.90 dBm	Occ Bw	4.475524476 MHz
T2		1	838.73776 MHz	8.67 dBm		
M2		1	836.17 MHz	13.29 dBm		
D3	M1	1	4.87 MHz	0.30 dB		

Date: 22.SEP.2020 19:06:41

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



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	844.05 MHz	-13.20 dBm		
T1		1	844.26224 MHz	9.34 dBm	Occ Bw	4.475524476 MHz
T2		1	848.73776 MHz	9.99 dBm		
M2		1	846.17 MHz	13.31 dBm		
D3	M1	1	4.89 MHz	-0.43 dB		

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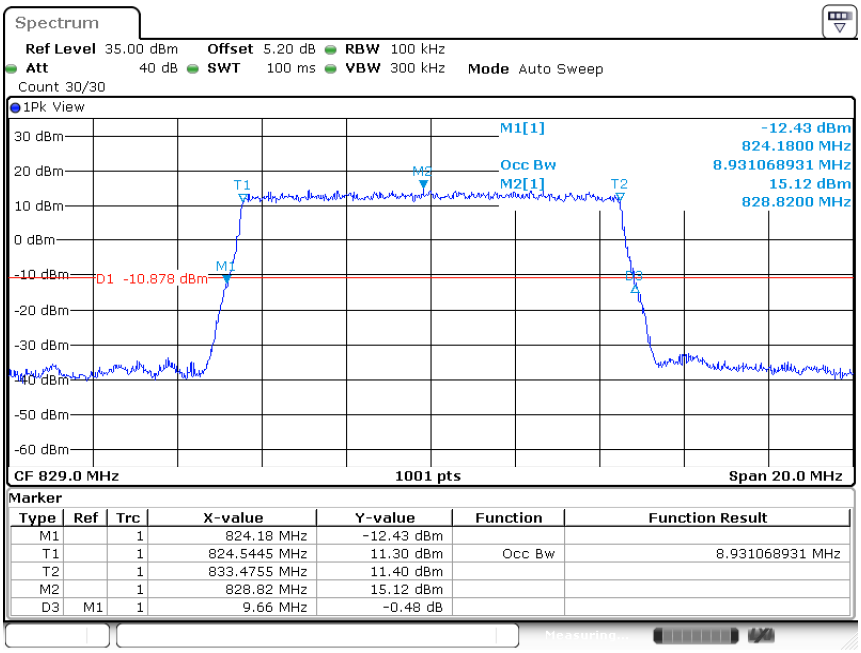
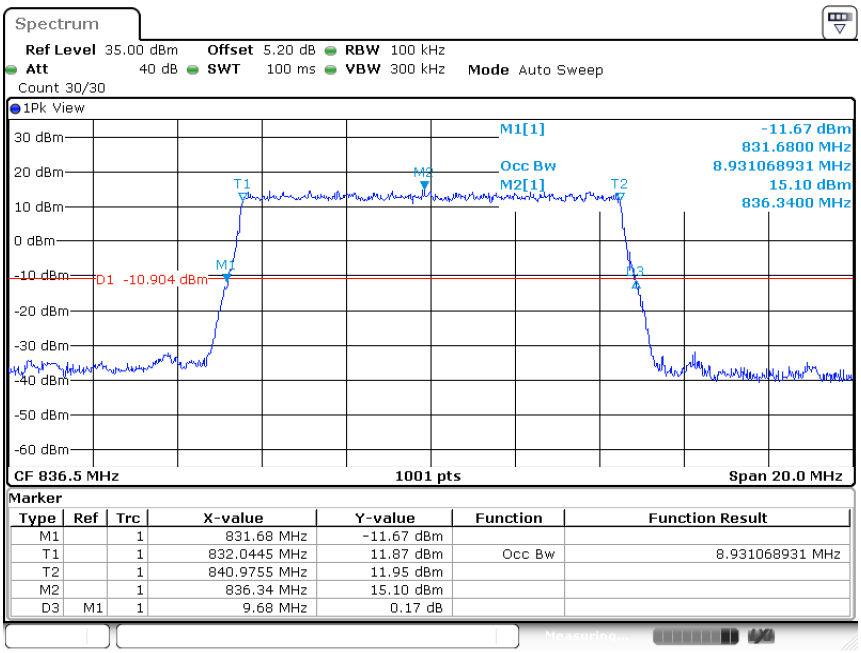
Band5-10MHz-QPSK-20450-50RB#0-8.931



Date: 22.SEP.2020 16:30:07

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



Date: 22.SEP.2020 16:30:39

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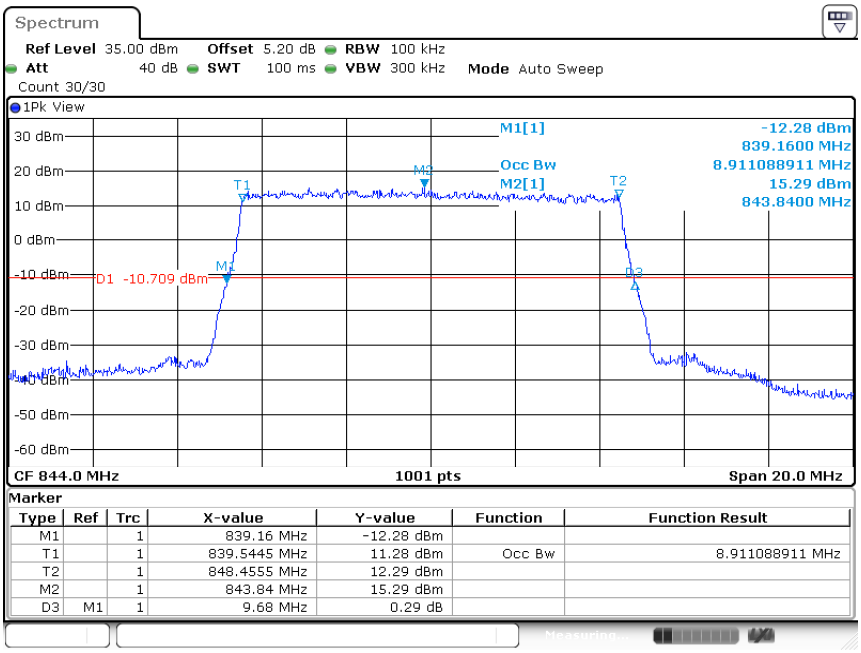
Band5-10MHz-QPSK-20600-50RB#0-8.911



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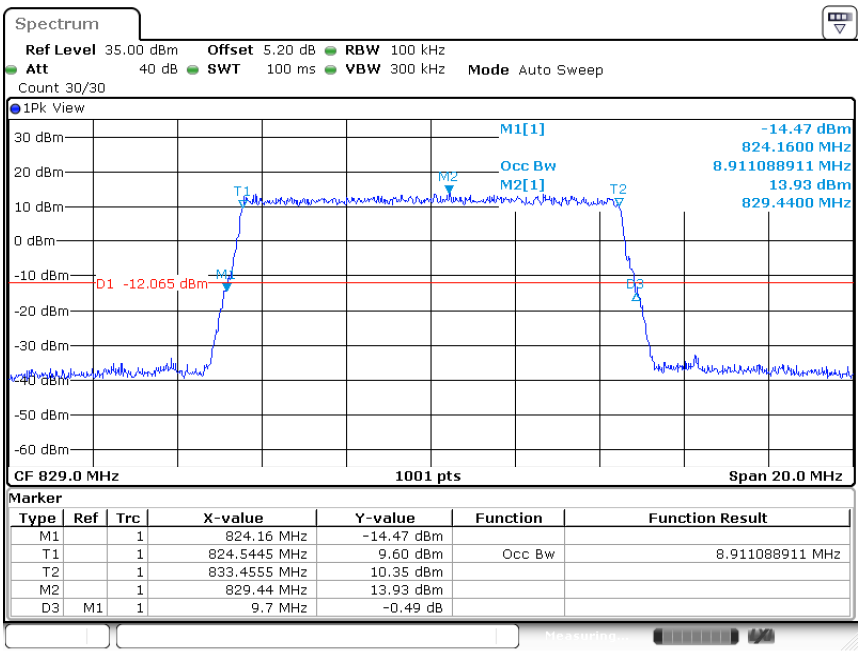
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	839.16 MHz	-12.28 dBm		
T1		1	839.5445 MHz	11.28 dBm	Occ Bw	8.911088911 MHz
T2		1	848.4555 MHz	12.29 dBm		
M2		1	843.84 MHz	15.29 dBm		
D3	M1	1	9.68 MHz	0.29 dB		

Date: 22.SEP.2020 16:31:11

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



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	824.16 MHz	-14.47 dBm		
T1		1	824.5445 MHz	9.60 dBm	Occ Bw	8.911088911 MHz
T2		1	833.4555 MHz	10.35 dBm		
M2		1	829.44 MHz	13.93 dBm		
D3	M1	1	9.7 MHz	-0.49 dB		

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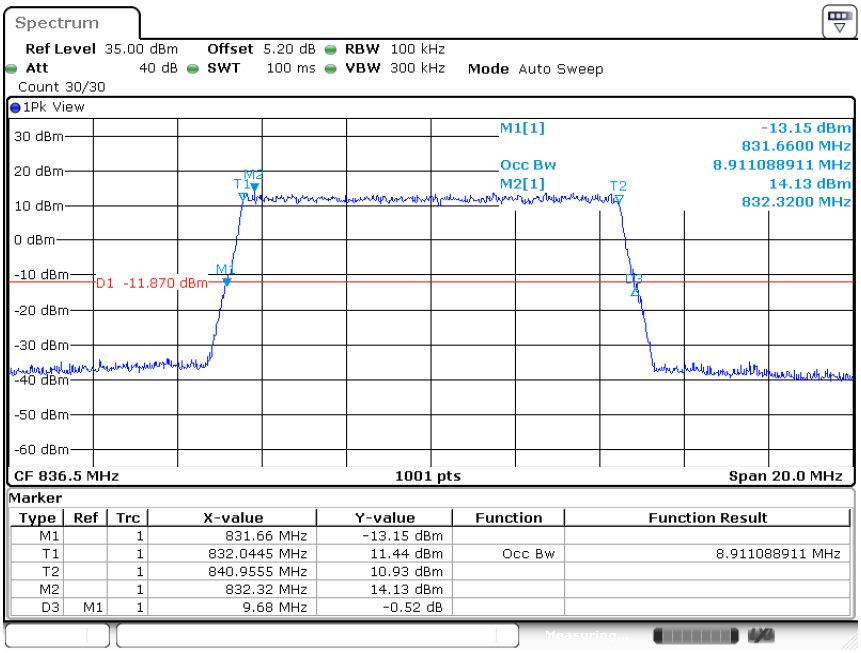
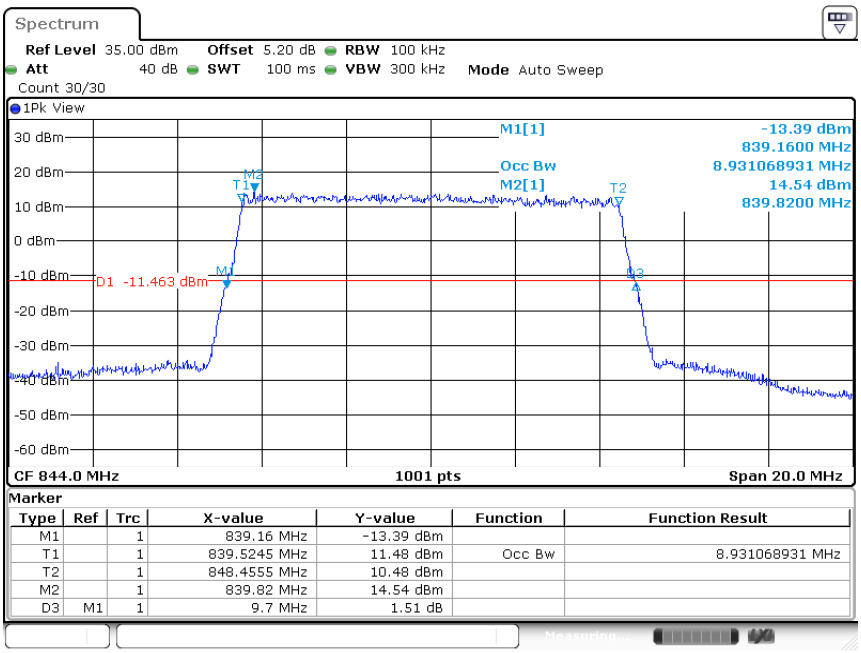


Date: 22.SEP.2020 16:30:55

Band5-10MHz-16QAM-20600-50RB#0-8.931



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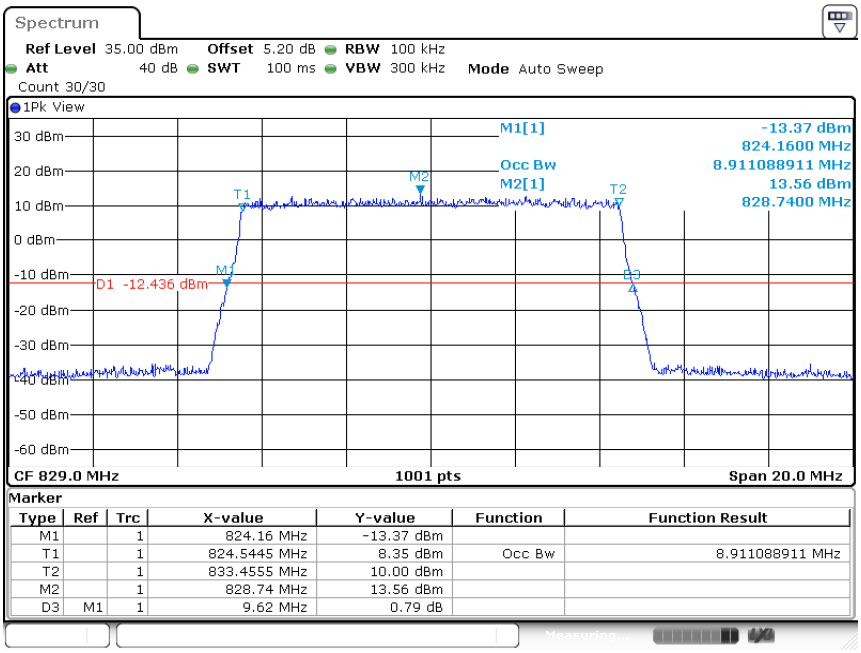

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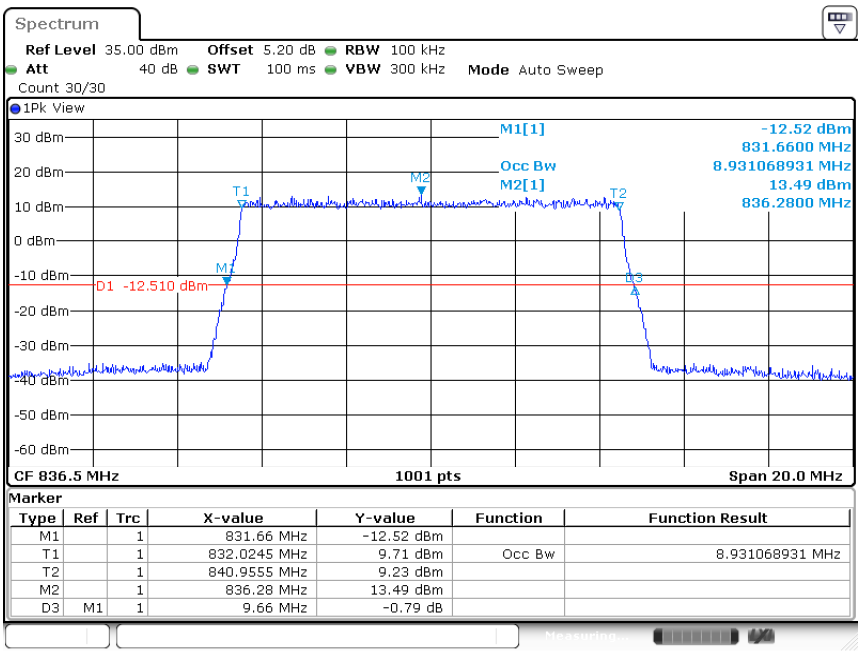
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	824.16 MHz	-13.37 dBm		
T1		1	824.5445 MHz	8.35 dBm	Occ Bw	8.911088911 MHz
T2		1	833.4555 MHz	10.00 dBm		
M2		1	828.74 MHz	13.56 dBm		
D3	M1	1	9.62 MHz	0.79 dB		

Date: 22.SEP.2020 19:07:25

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



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	831.66 MHz	-12.52 dBm		
T1		1	832.0245 MHz	9.71 dBm	Occ Bw	8.931068931 MHz
T2		1	840.9555 MHz	9.23 dBm		
M2		1	836.28 MHz	13.49 dBm		
D3	M1	1	9.66 MHz	-0.79 dB		

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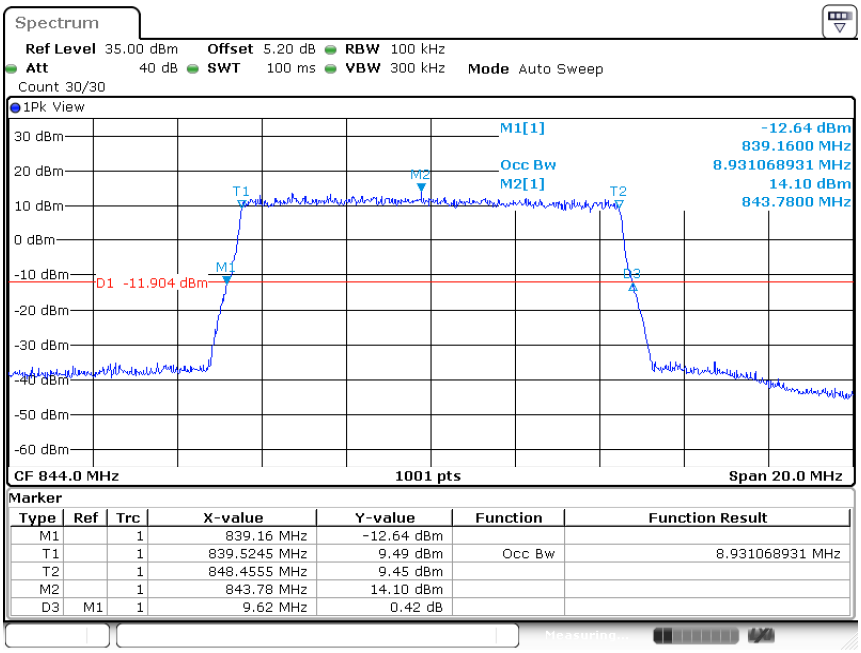
Band5-10MHz-64QAM-20600-50RB#0-8.931



Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	839.16 MHz	-12.64 dBm		
T1		1	839.5245 MHz	9.49 dBm	Occ Bw	8.931068931 MHz
T2		1	848.4555 MHz	9.45 dBm		
M2		1	843.78 MHz	14.10 dBm		
D3	M1	1	9.62 MHz	0.42 dB		

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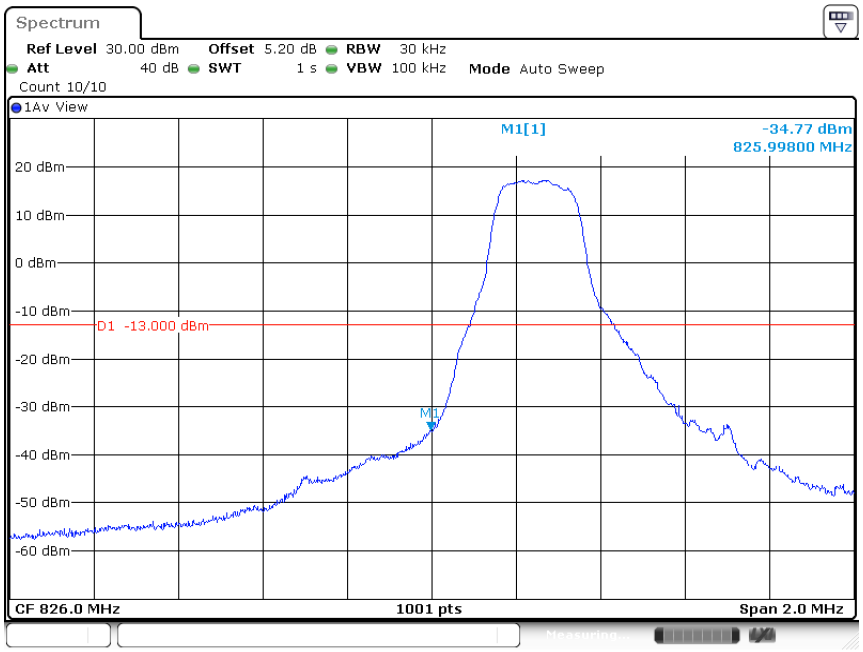
5. Band Edge Compliance

5.1. Test Plots

Band5-1.4MHz-QPSK-20427-1RB#0


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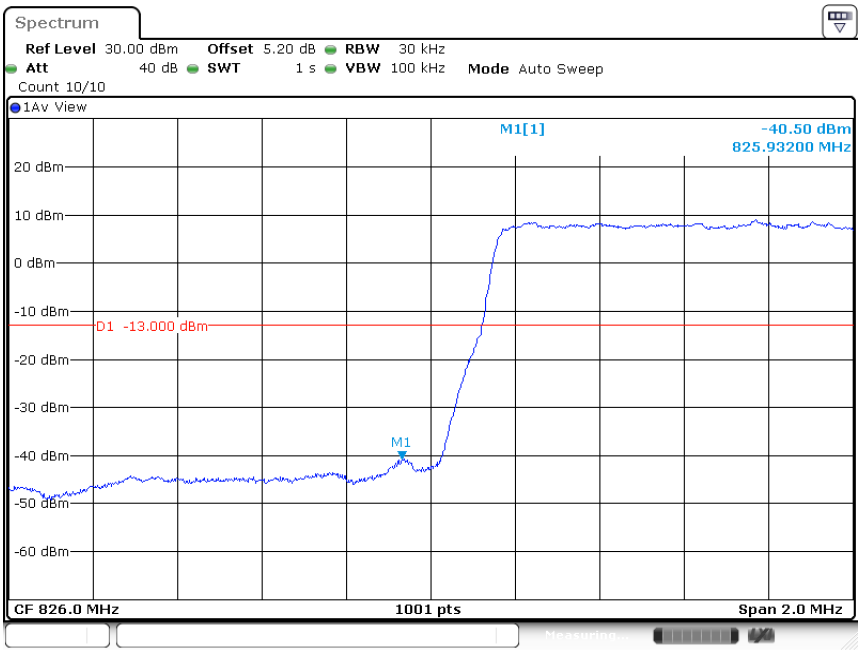
Band5-1.4MHz-QPSK-20427-6RB#0



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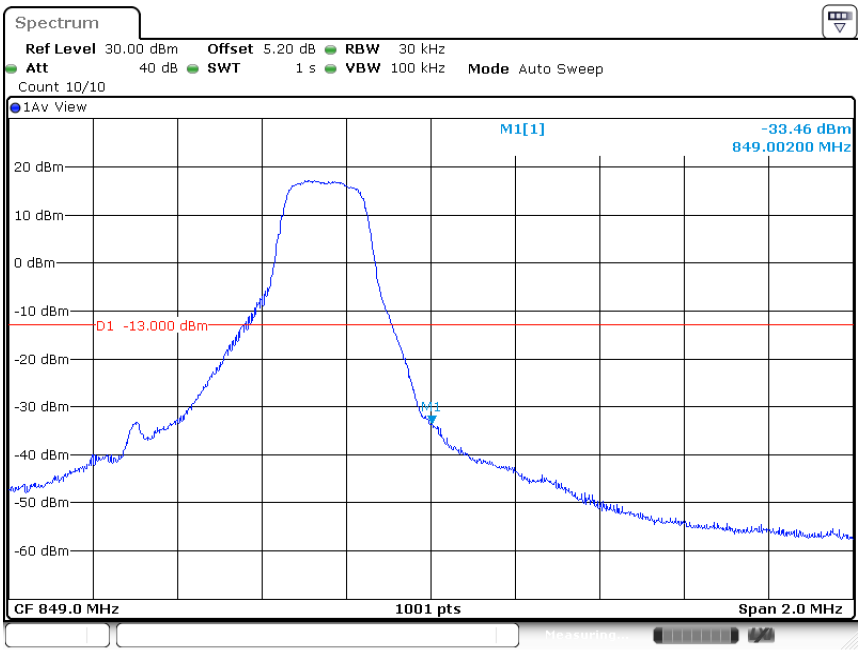

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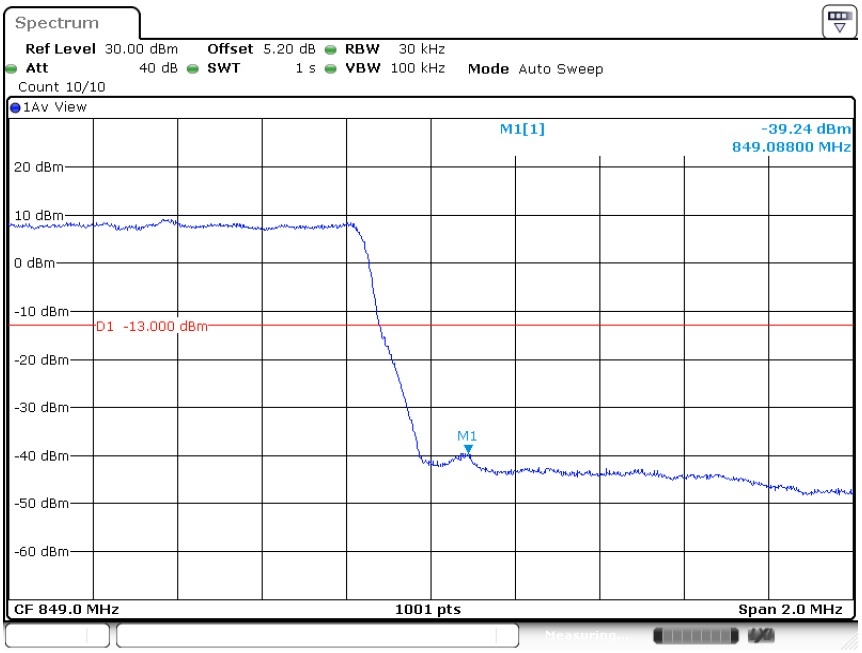
Band5-1.4MHz-QPSK-20643-6RB#0



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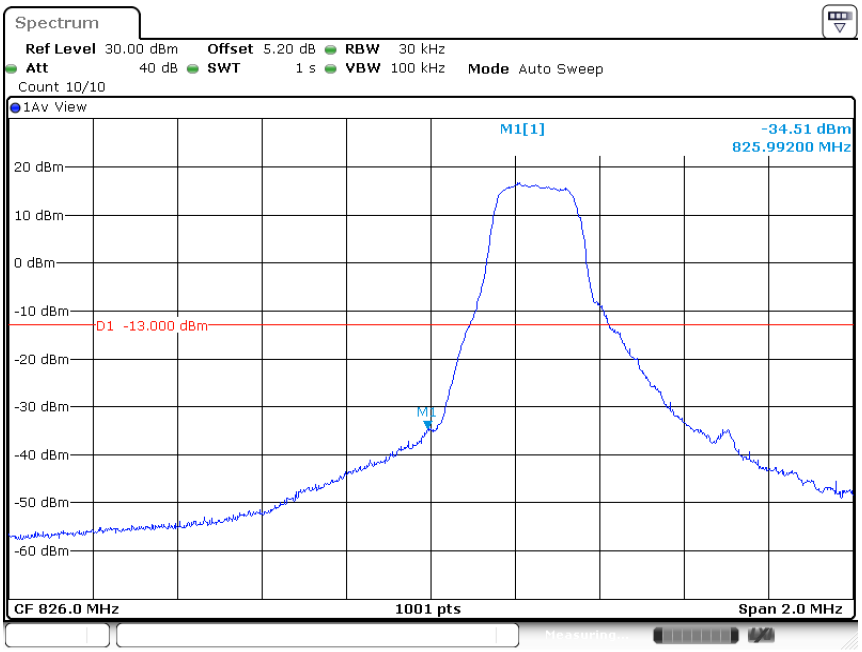

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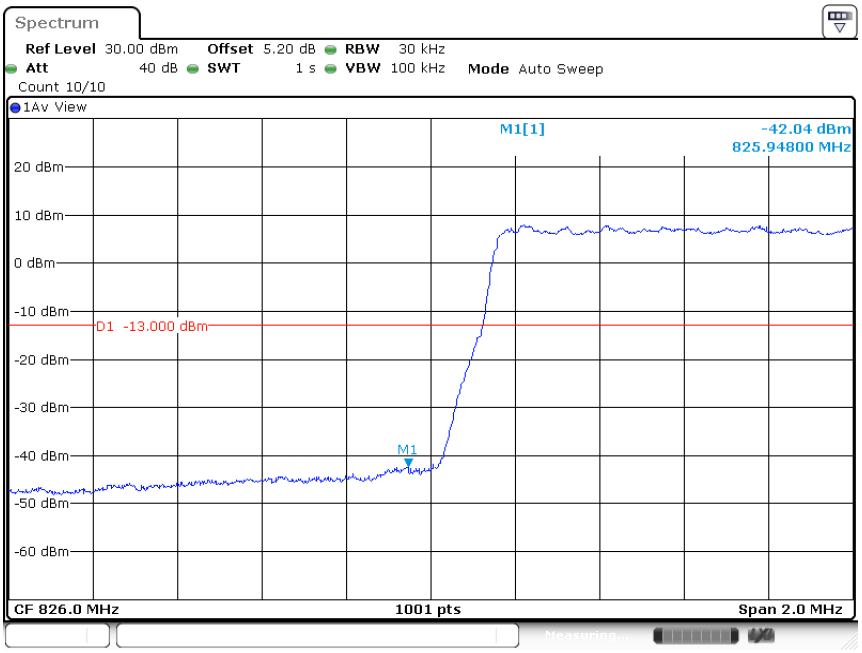
Band5-1.4MHz-16QAM-20427-6RB#0



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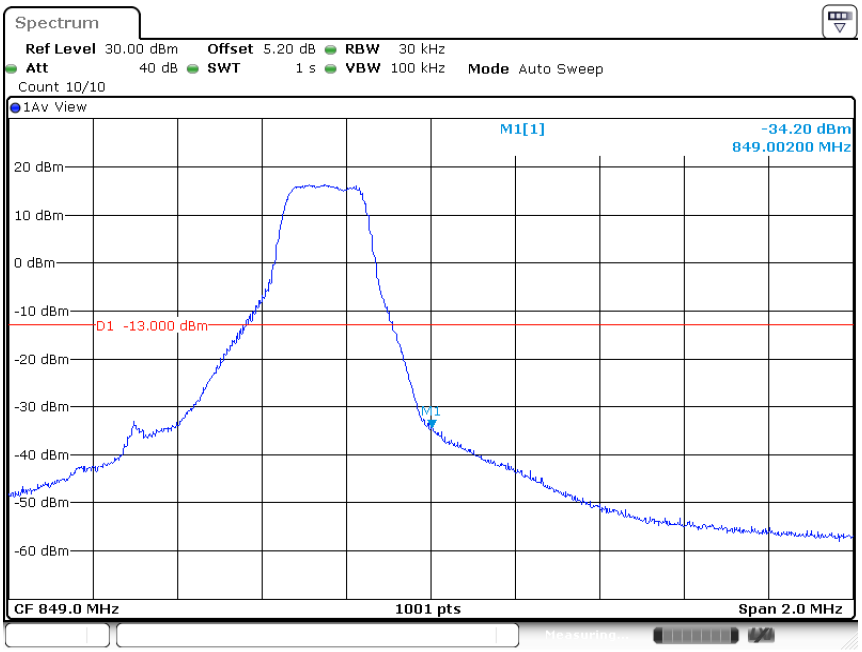
Band5-1.4MHz-16QAM-20643-1RB#5



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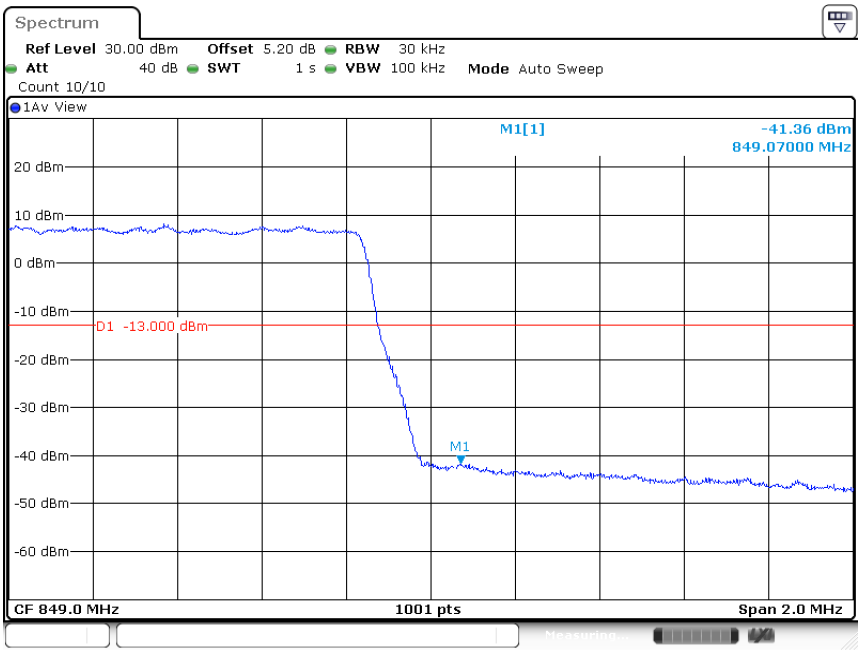

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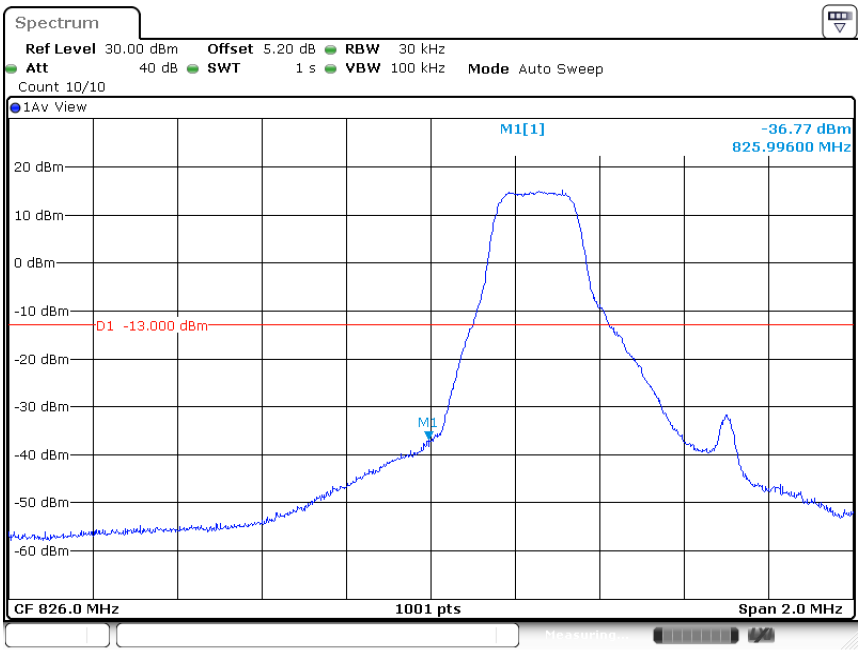

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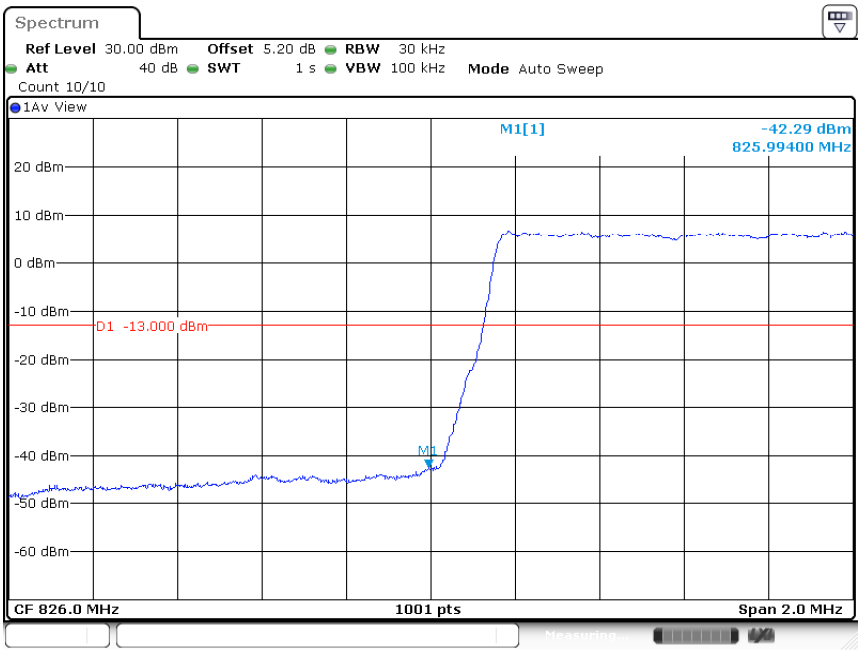

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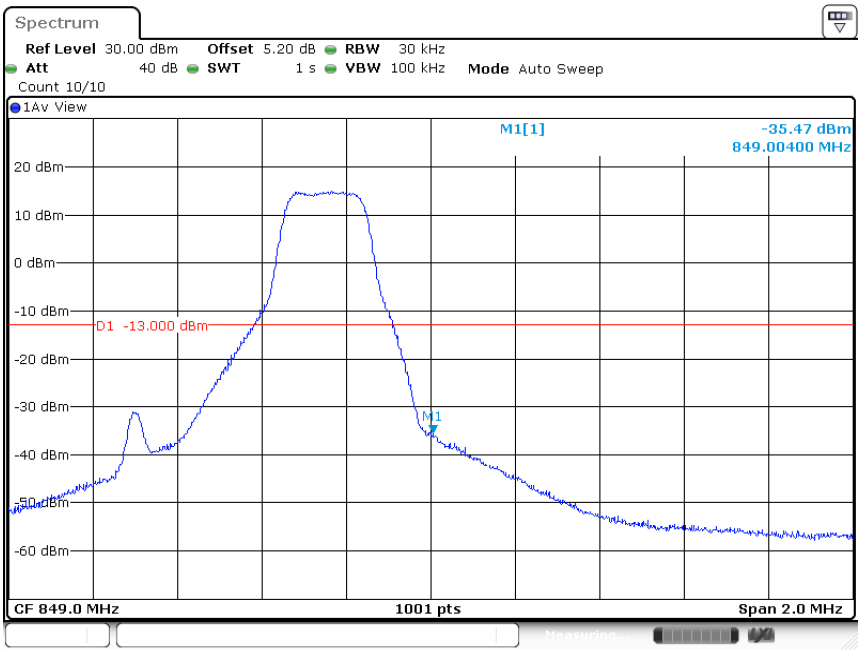

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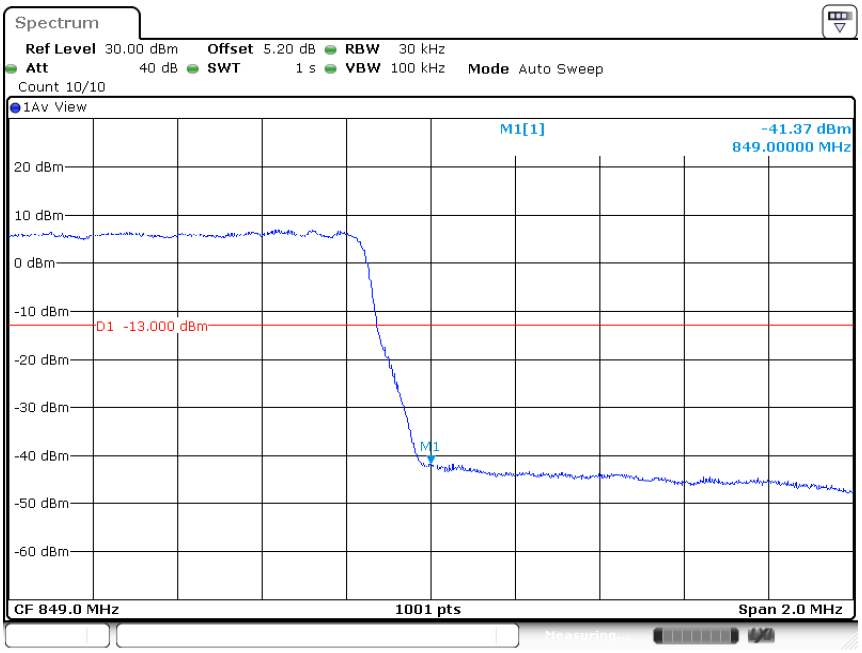

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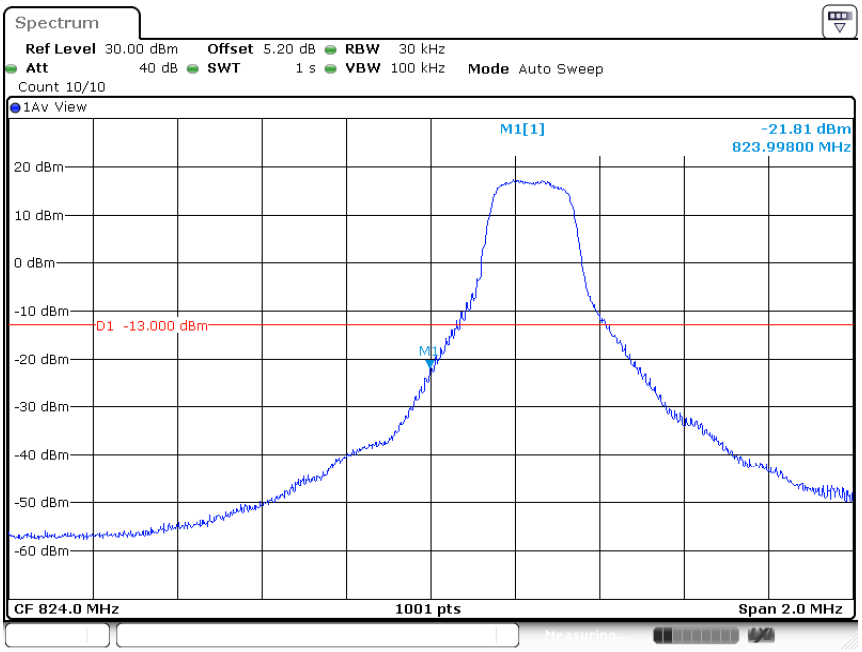
Band5-3MHz-QPSK-20415-1RB#0



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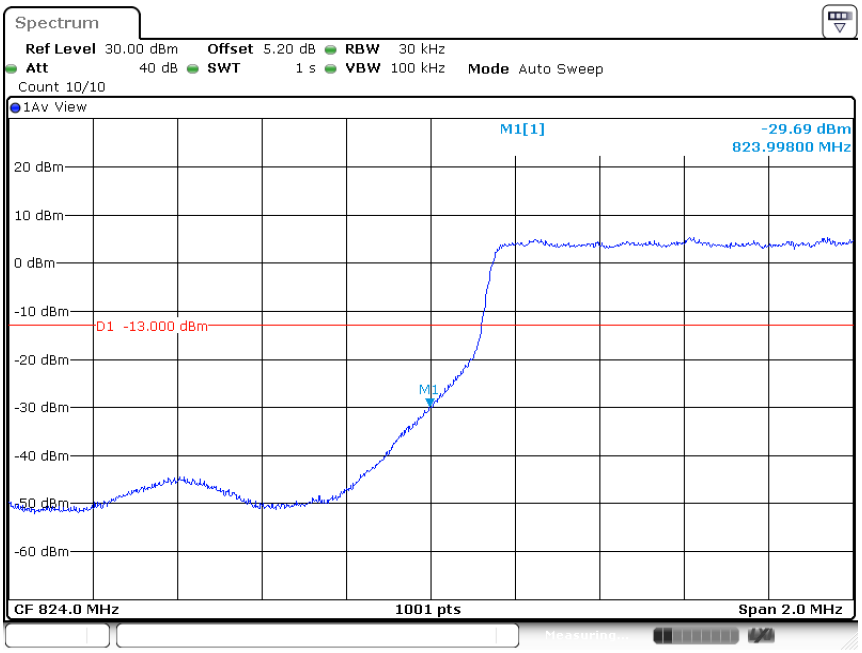
Band5-3MHz-QPSK-20415-15RB#0



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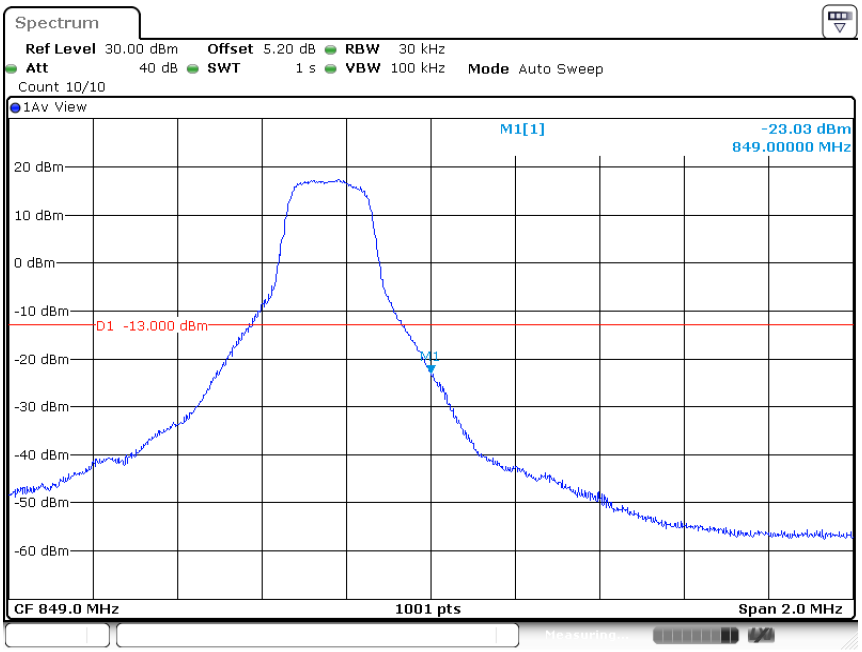
Band5-3MHz-QPSK-20635-1RB#14



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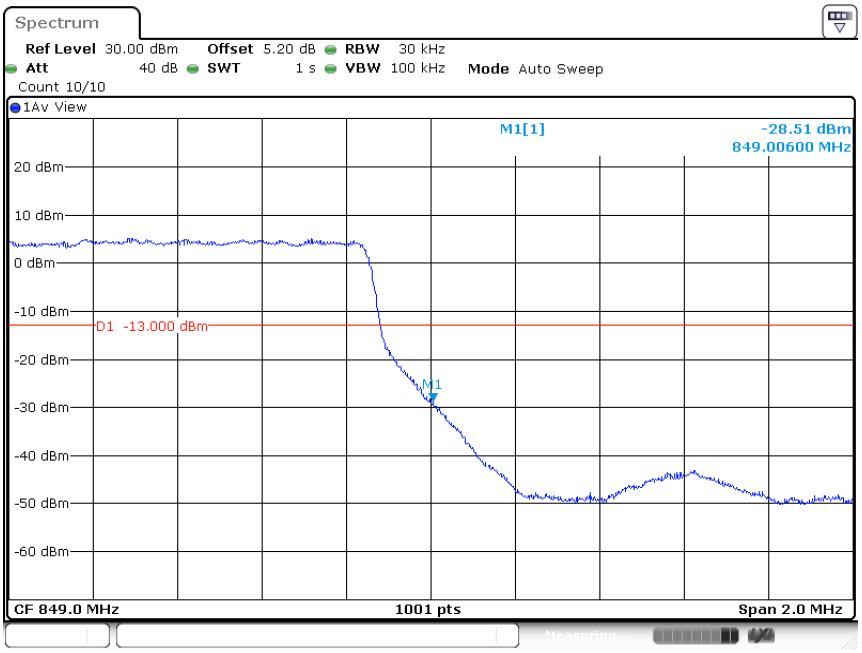

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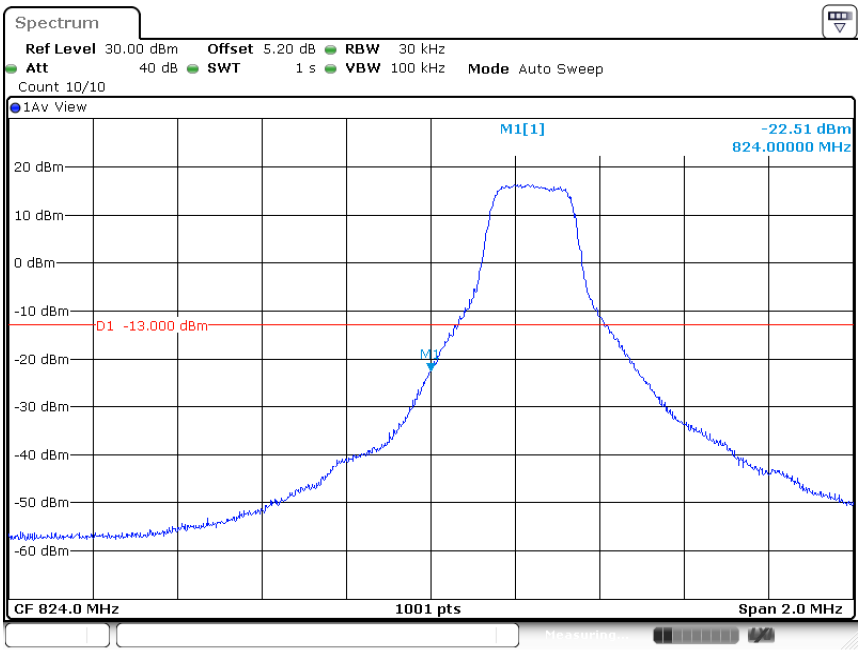

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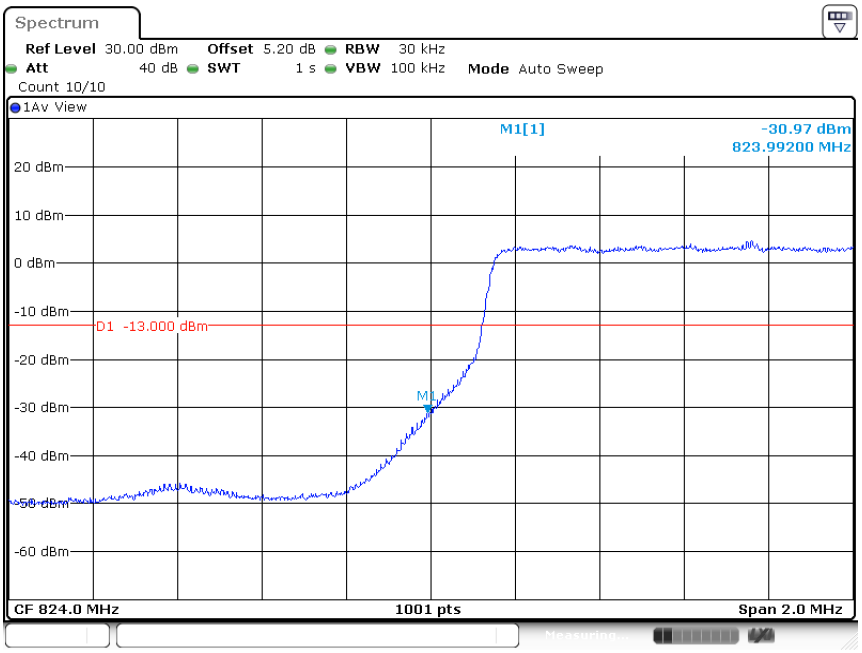

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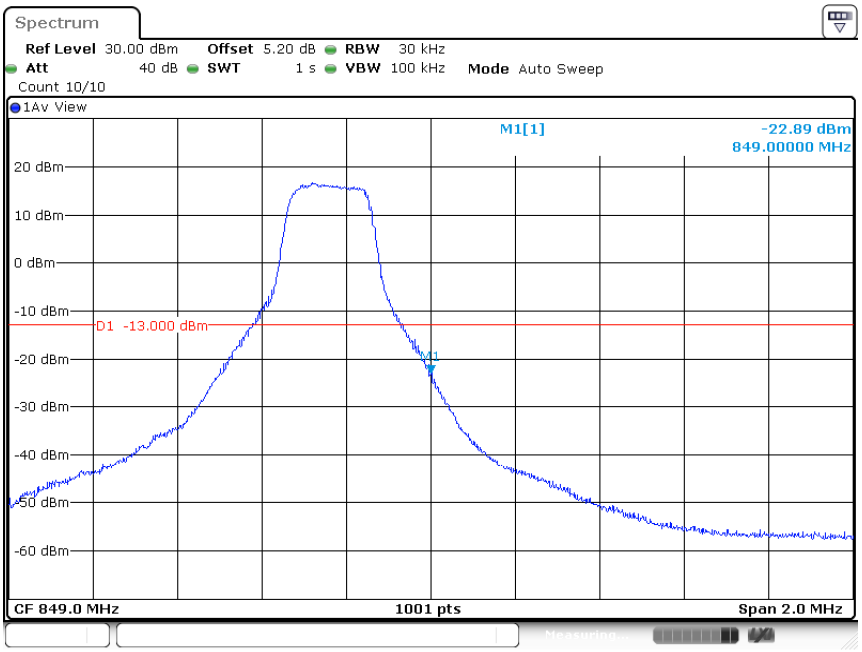

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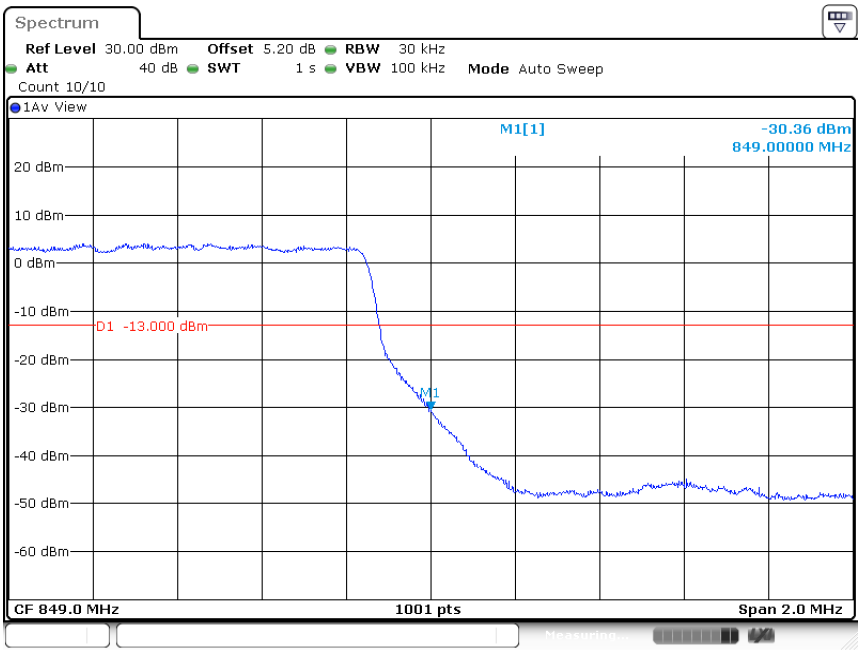

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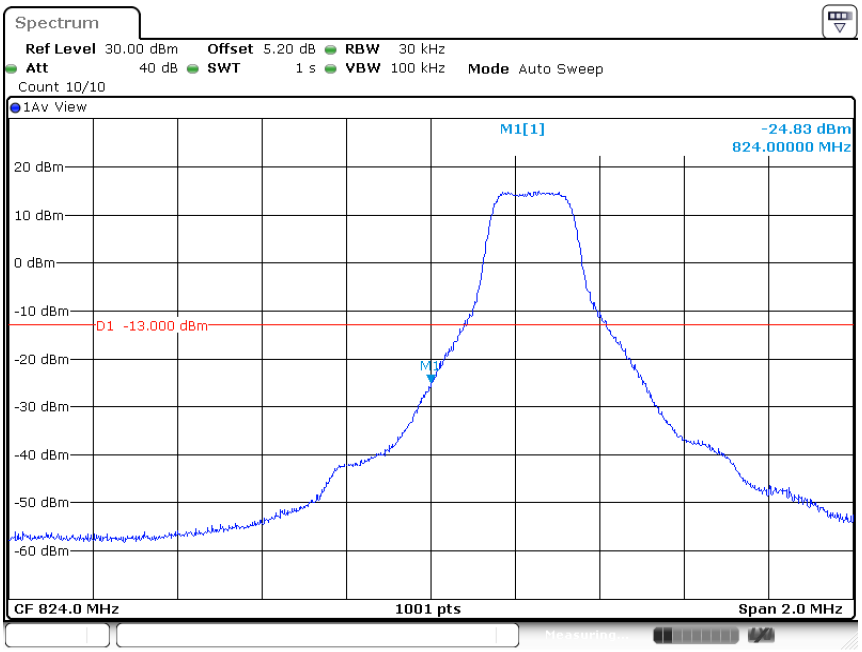
Band5-3MHz-64QAM-20415-1RB#0



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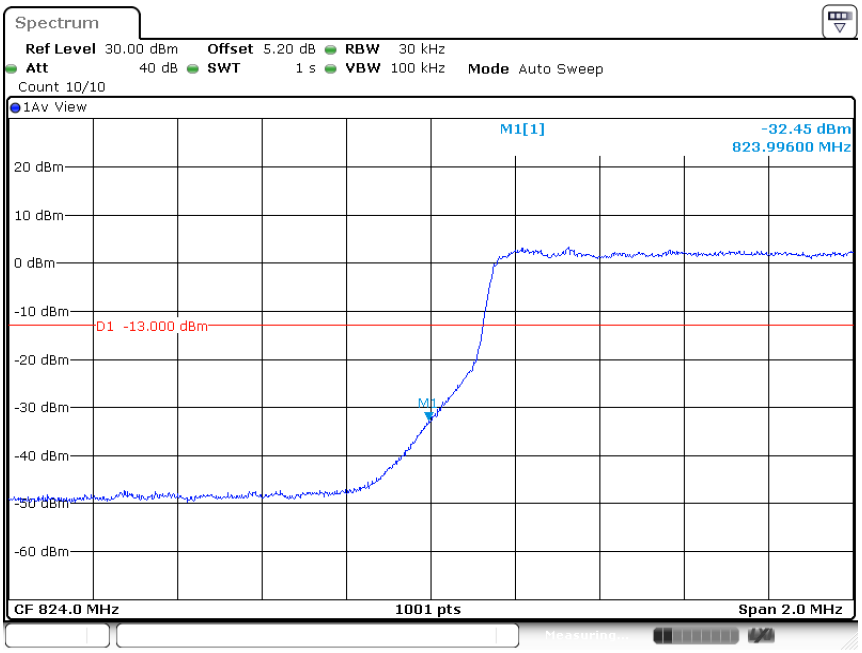

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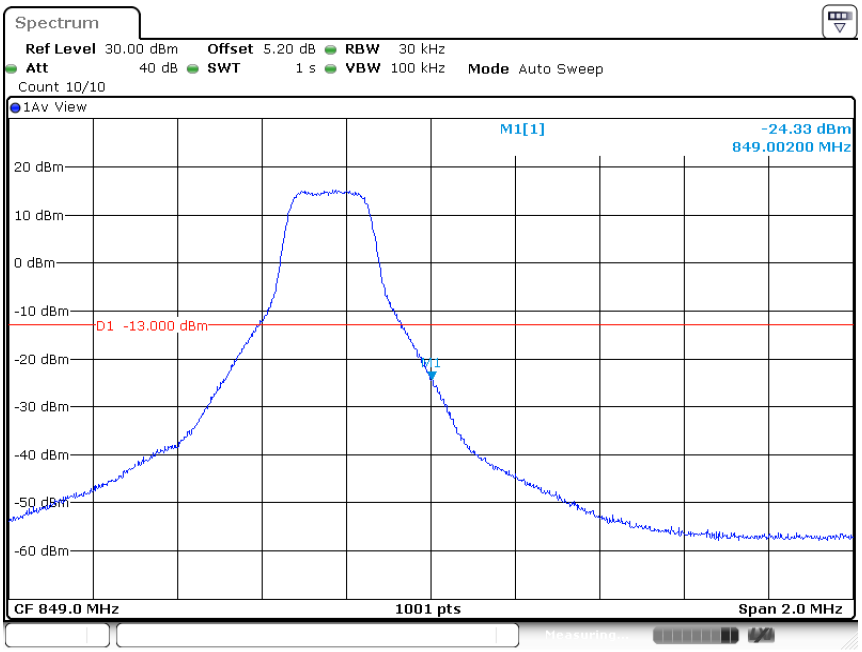

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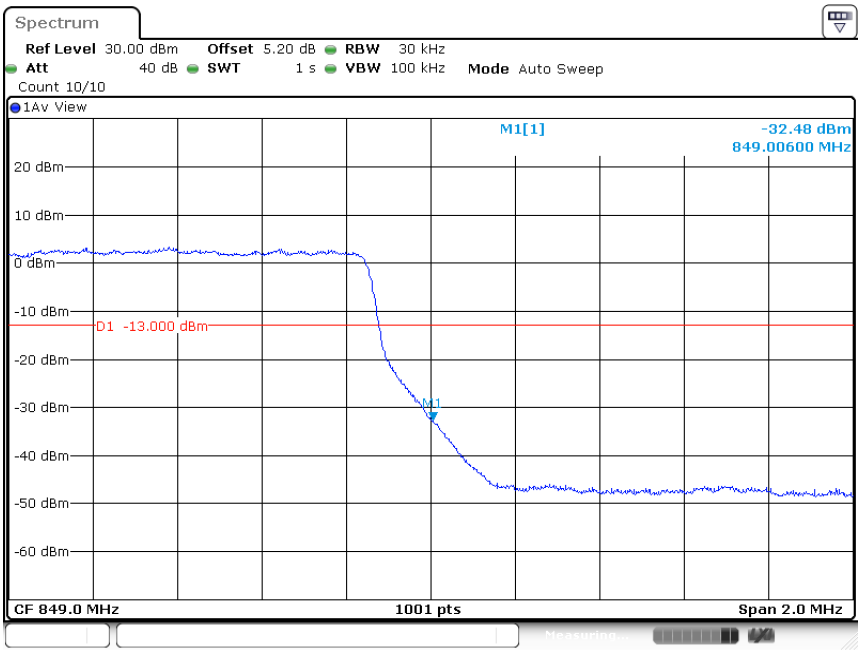
Band5-3MHz-64QAM-20635-15RB#0



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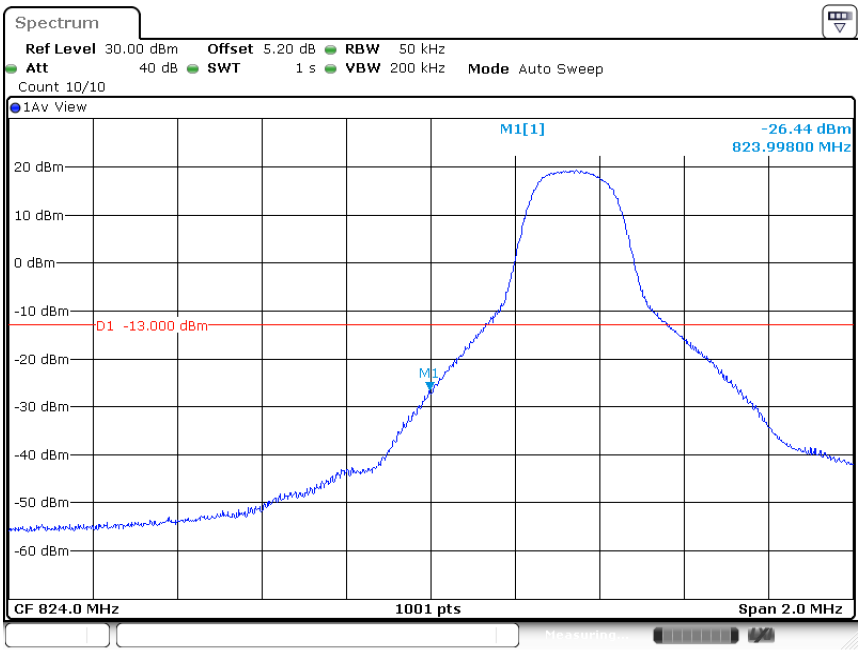

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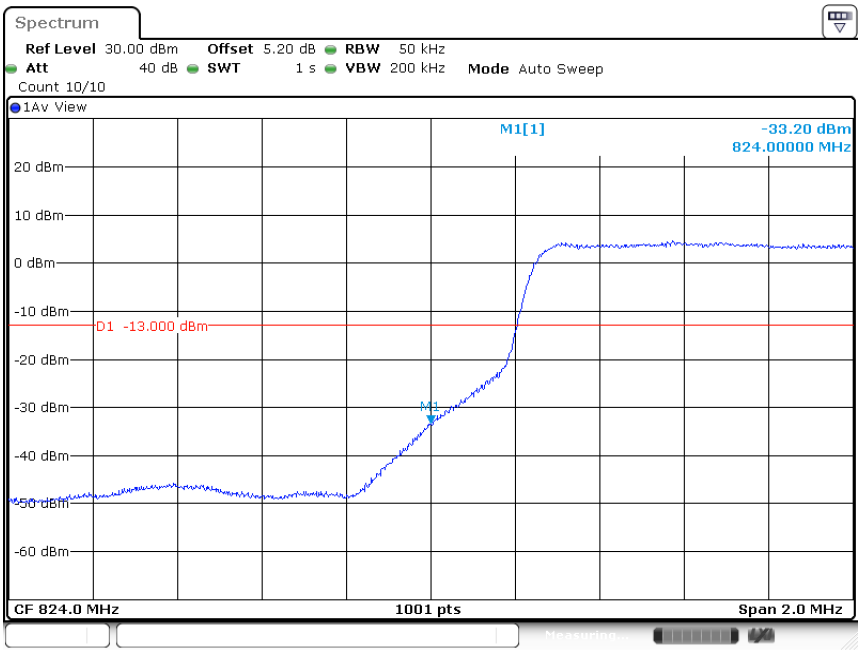
Band5-5MHz-QPSK-20425-25RB#0



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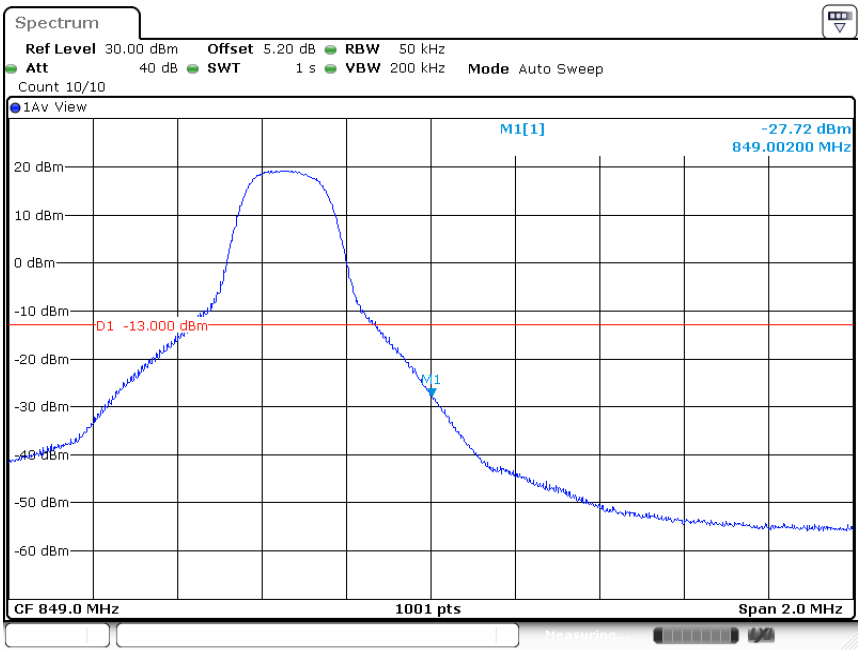
Band5-5MHz-QPSK-20625-1RB#24



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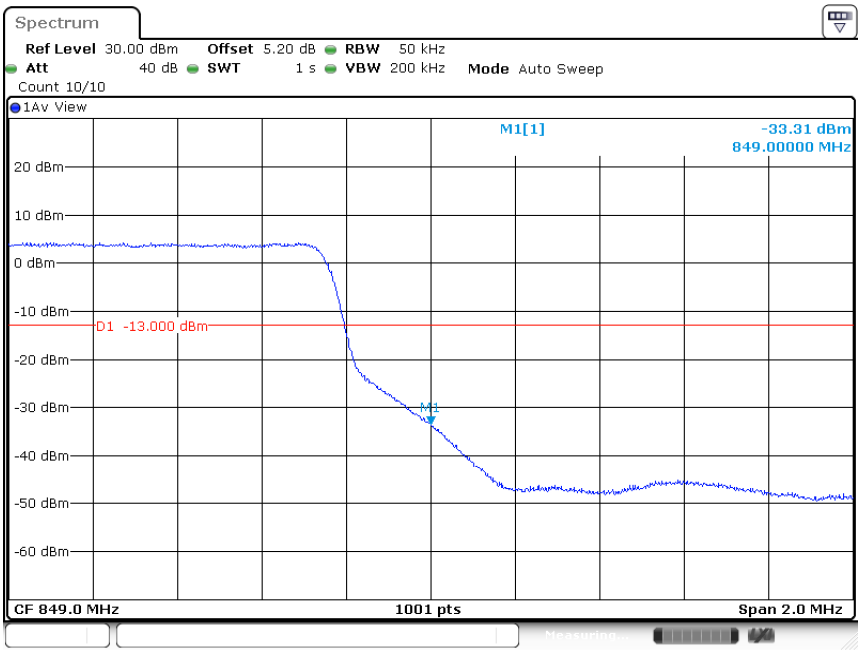
Band5-5MHz-QPSK-20625-25RB#0



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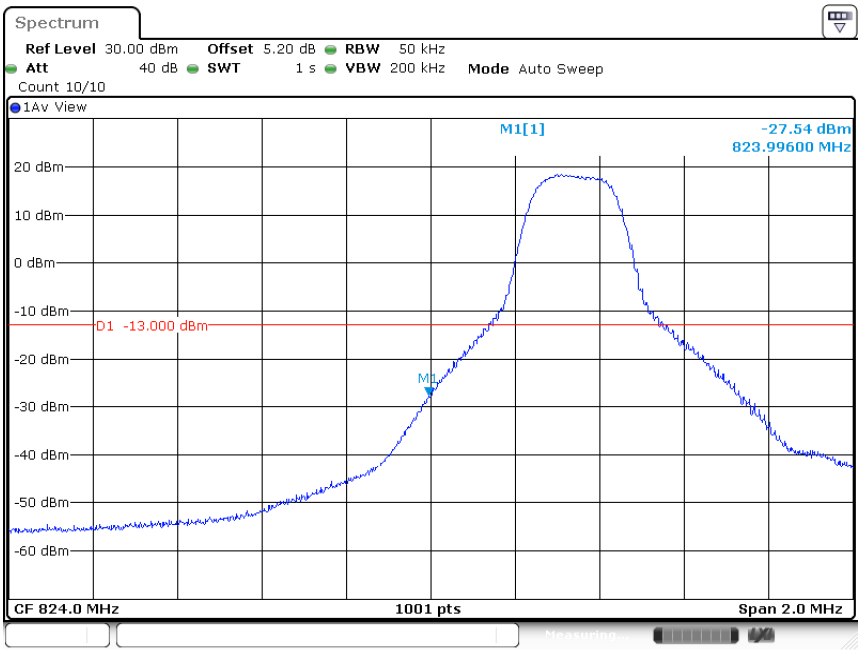

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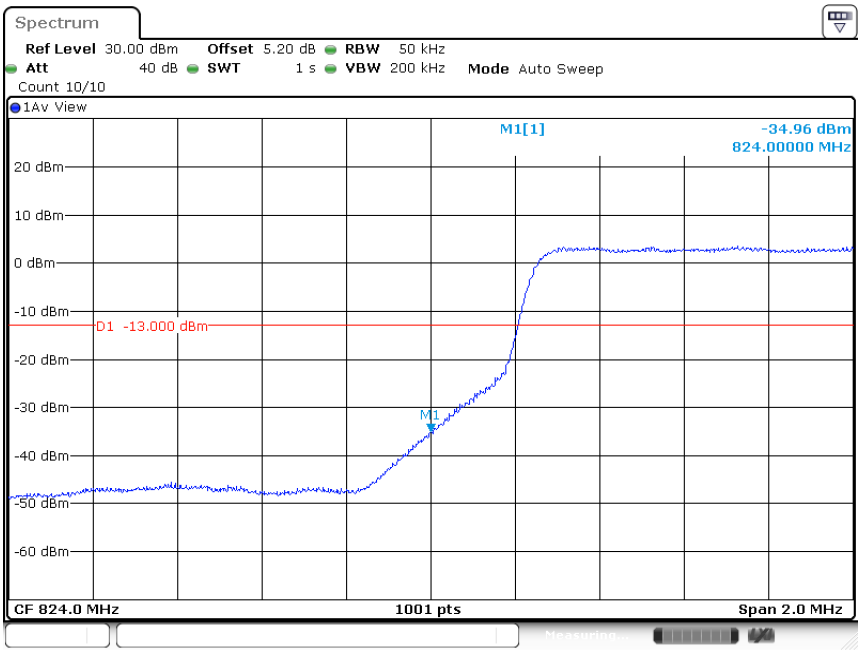
Band5-5MHz-16QAM-20425-25RB#0



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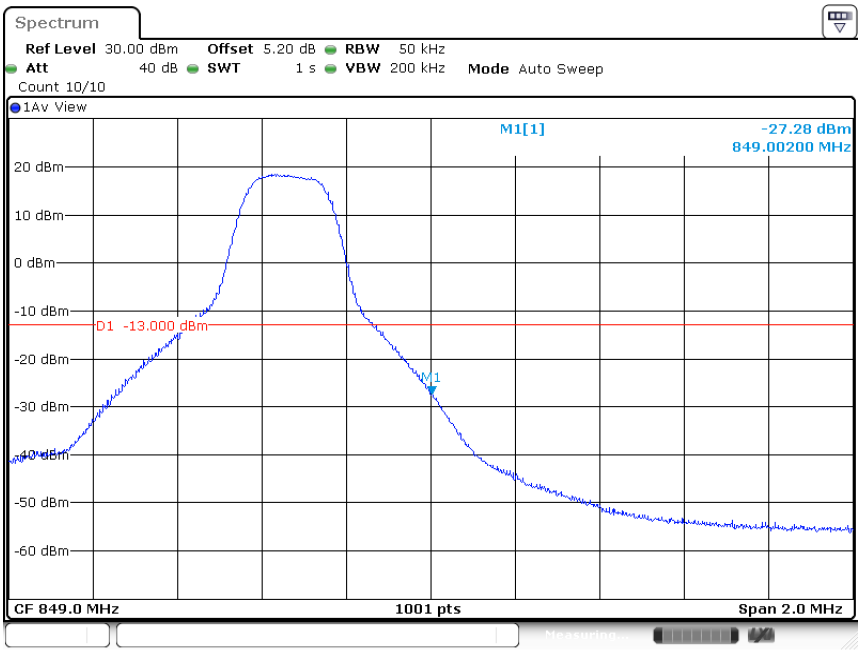
Band5-5MHz-16QAM-20625-1RB#24



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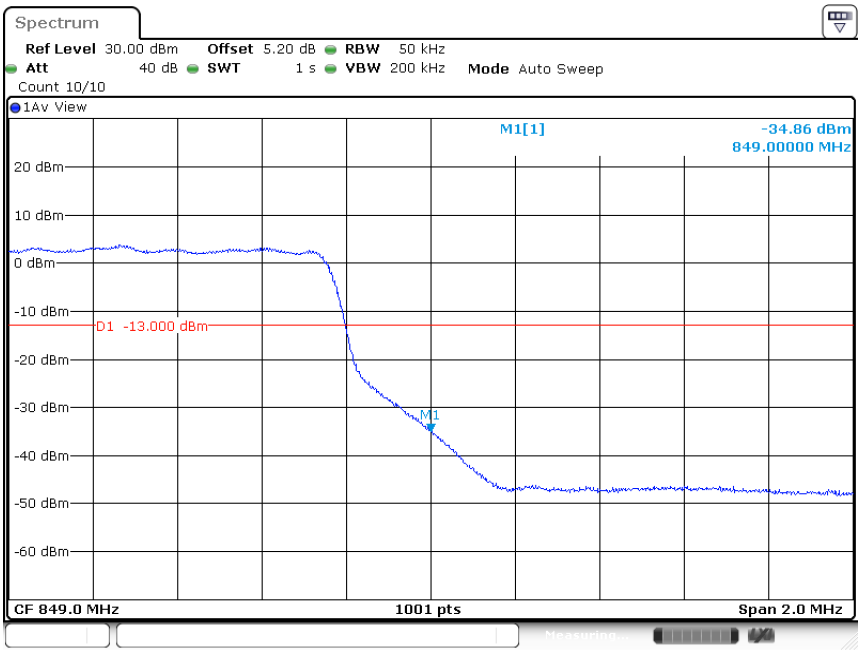

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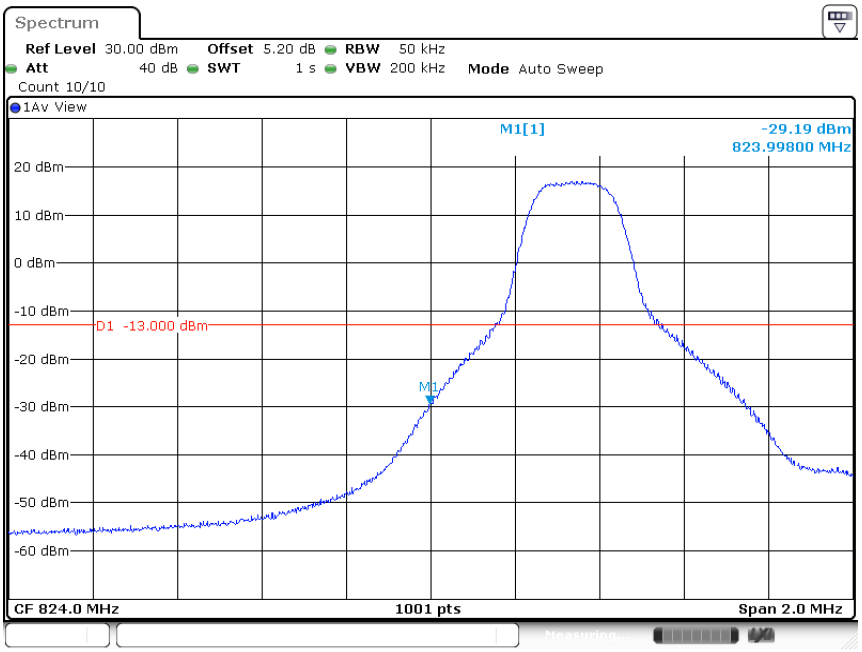

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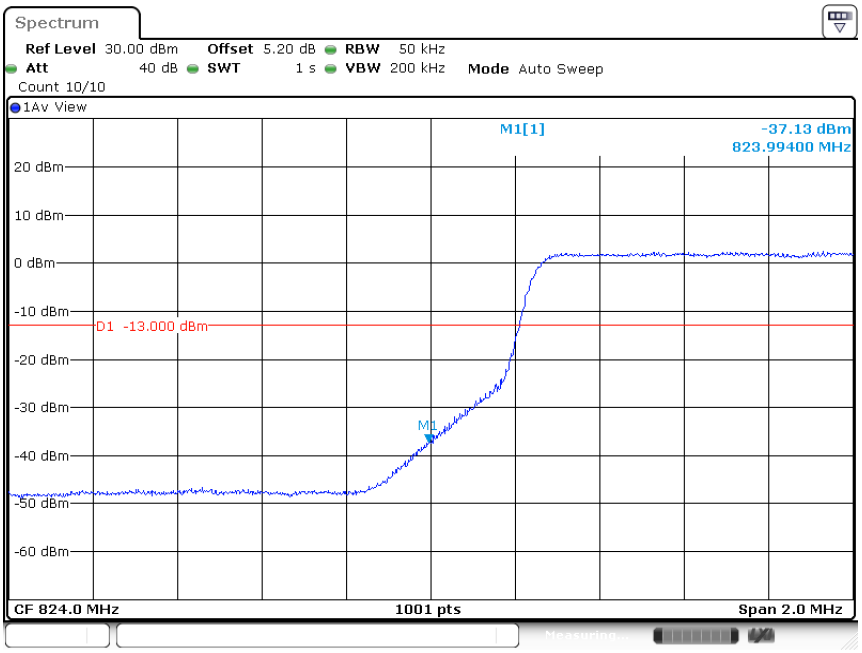

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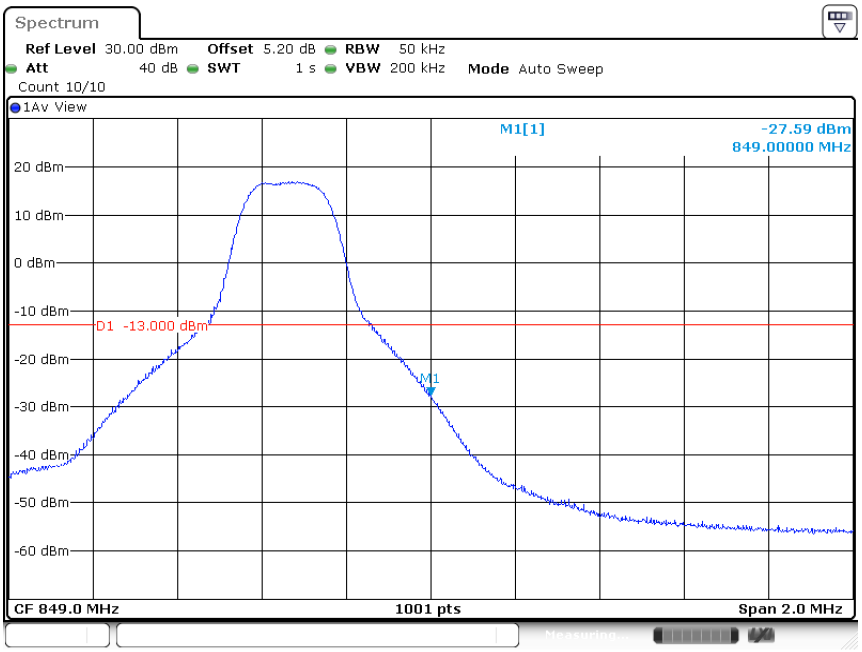

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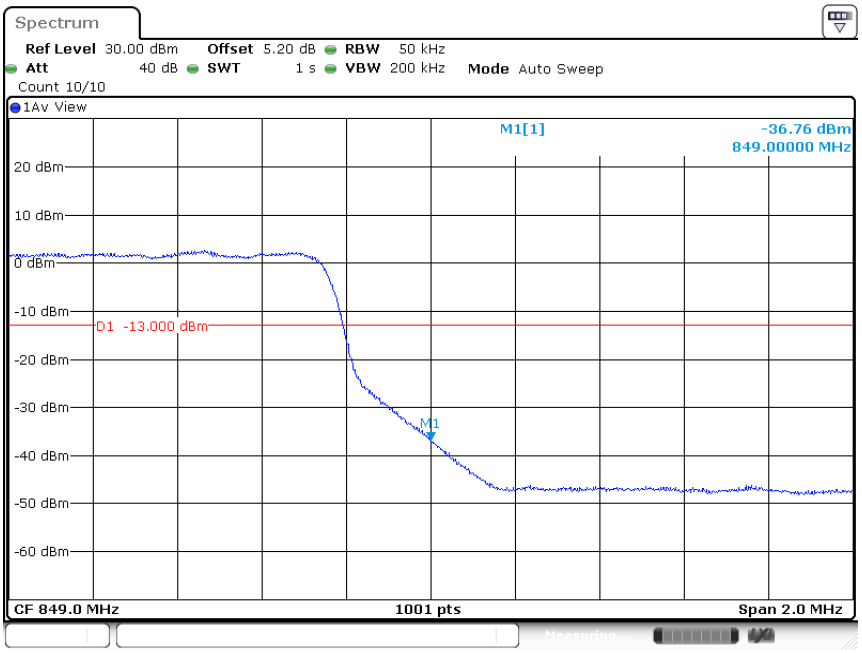

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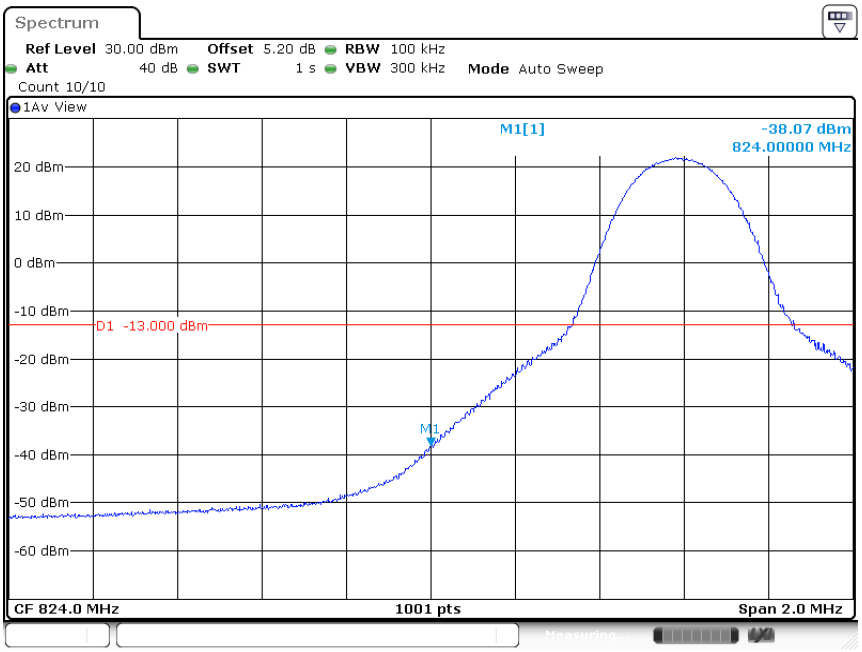
Band5-10MHz-QPSK-20450-1RB#0



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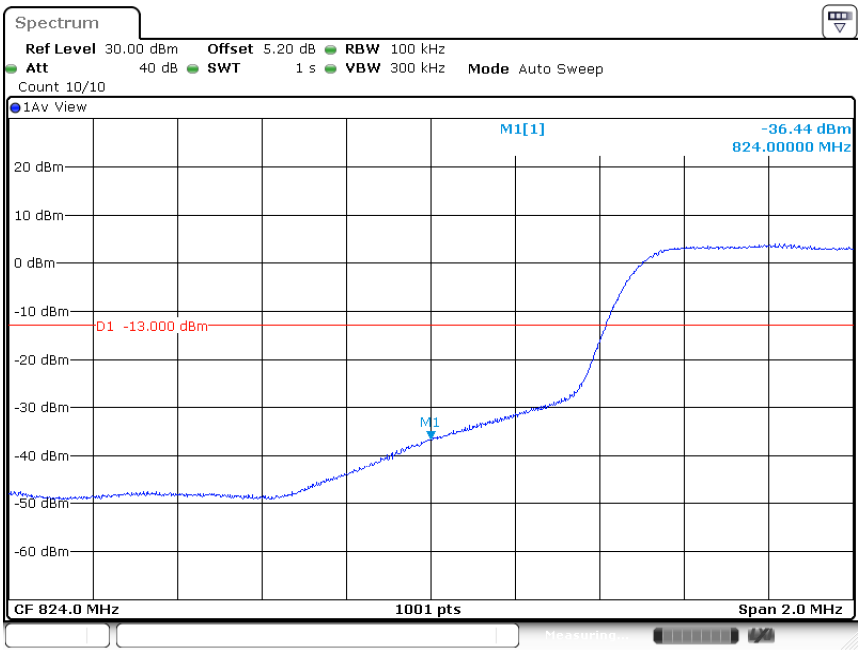
Band5-10MHz-QPSK-20450-50RB#0



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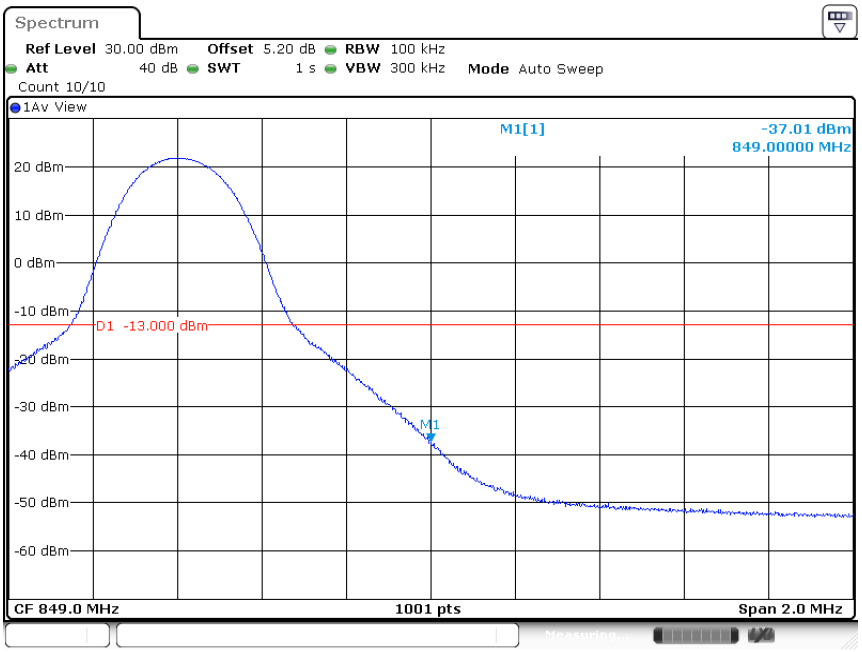
Band5-10MHz-QPSK-20600-1RB#49



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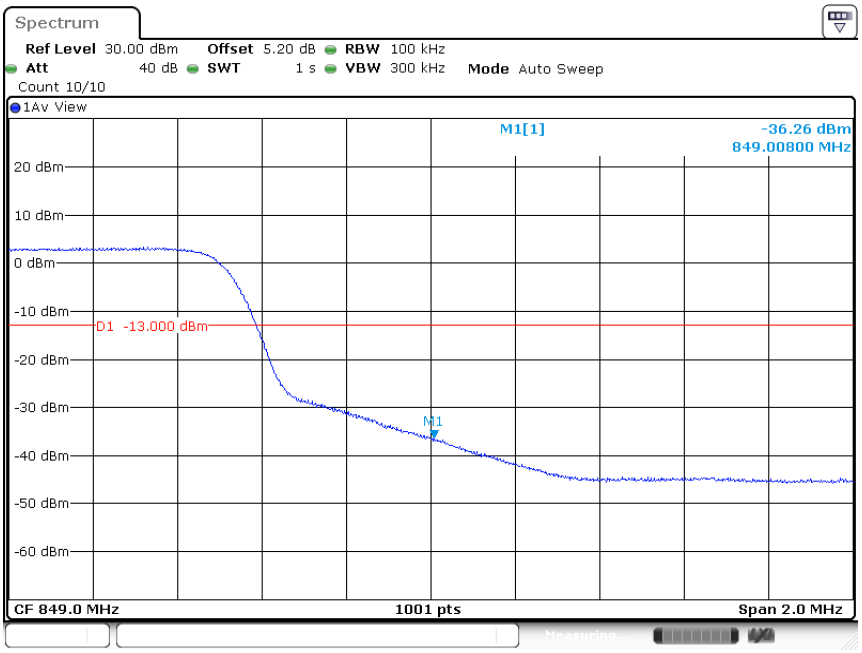
Band5-10MHz-QPSK-20600-50RB#0



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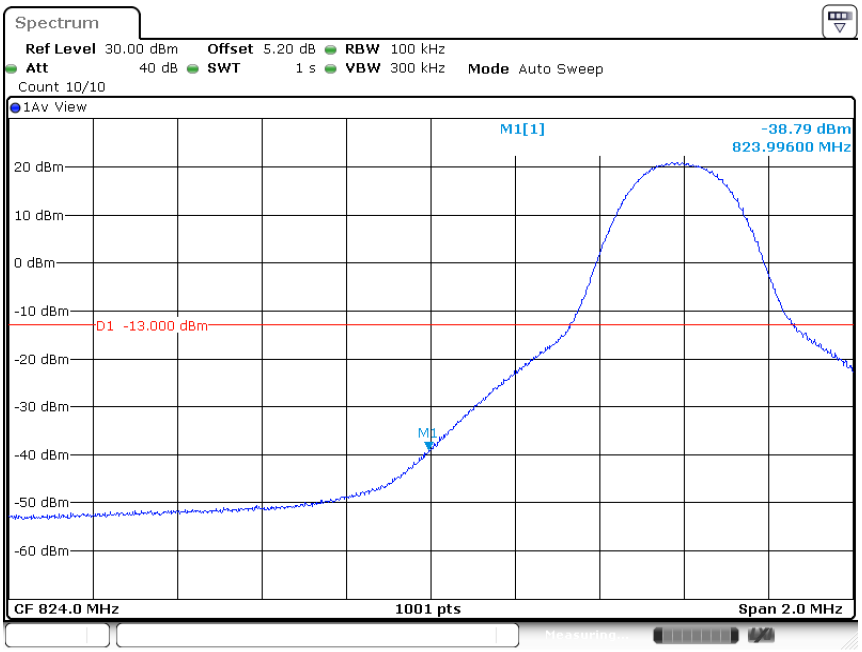

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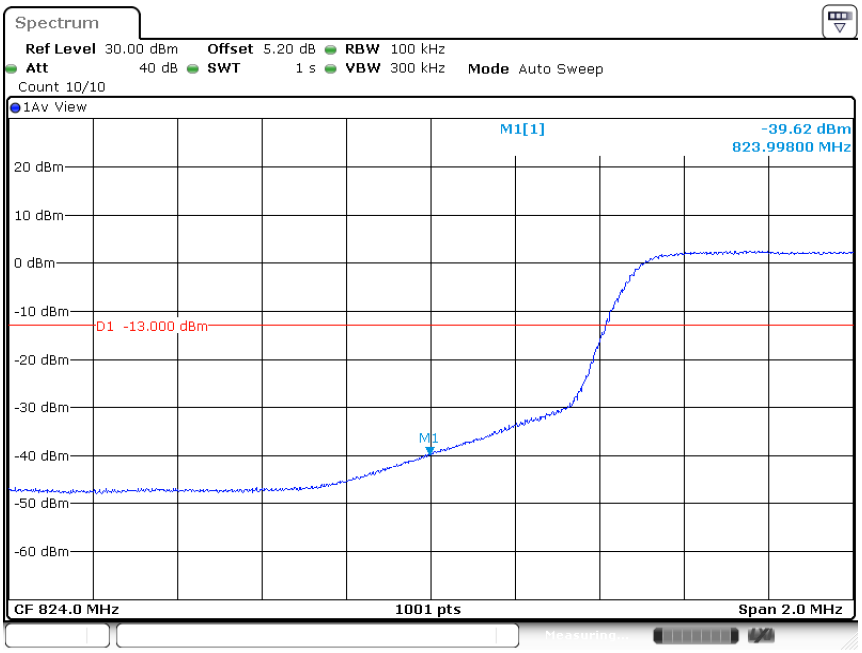

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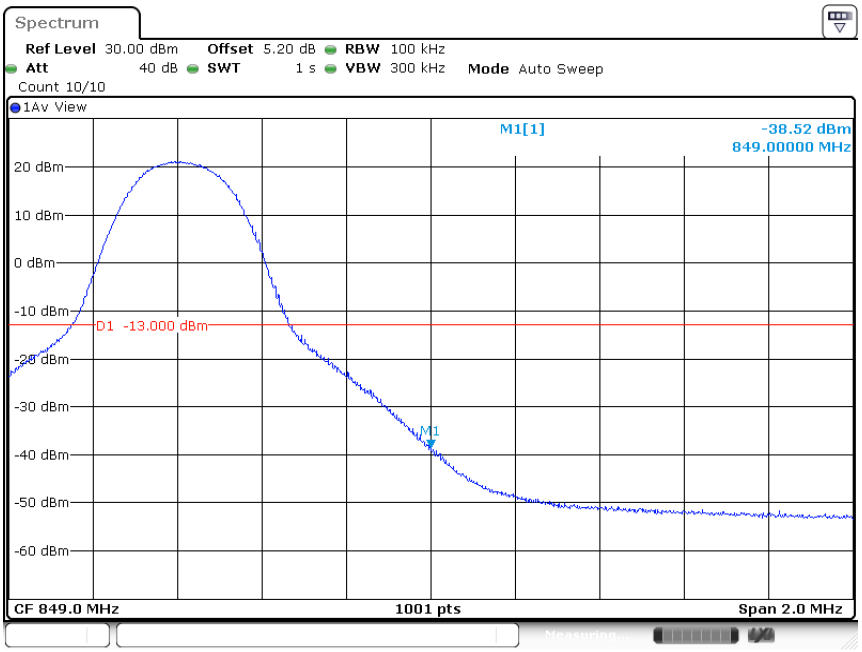
Band5-10MHz-16QAM-20600-1RB#49



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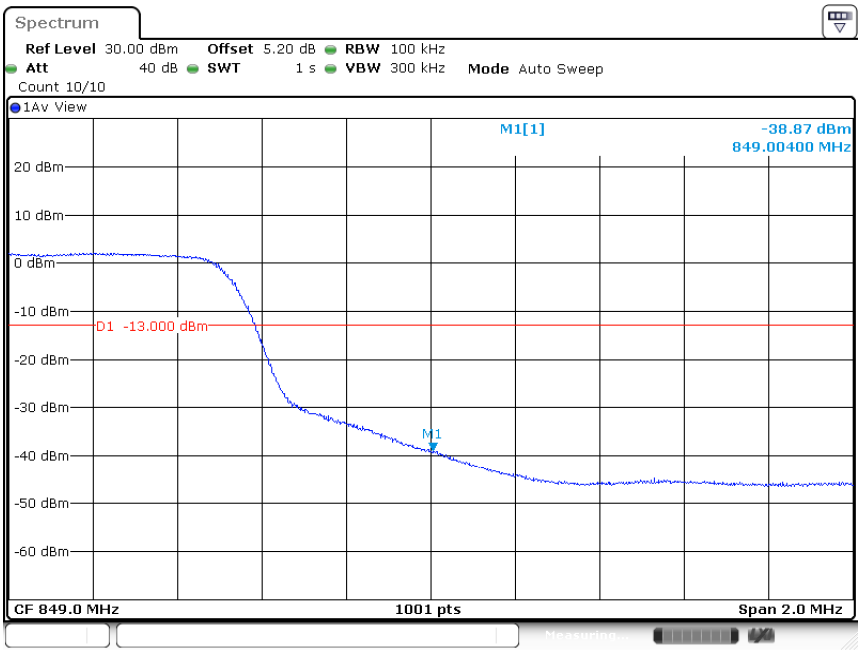
Band5-10MHz-16QAM-20600-50RB#0



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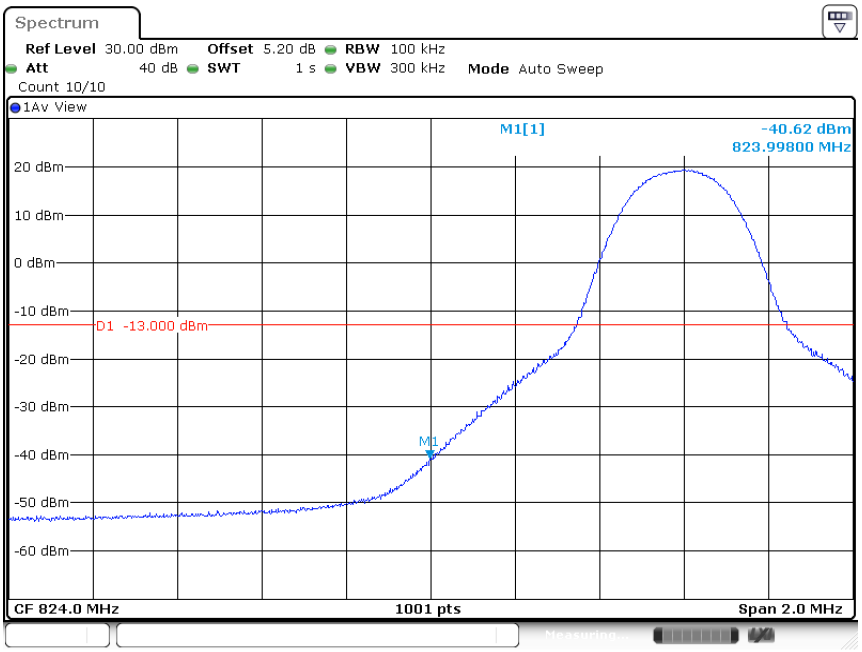
Band5-10MHz-64QAM-20450-1RB#0



Date: 22.SEP.2020 19:14:01

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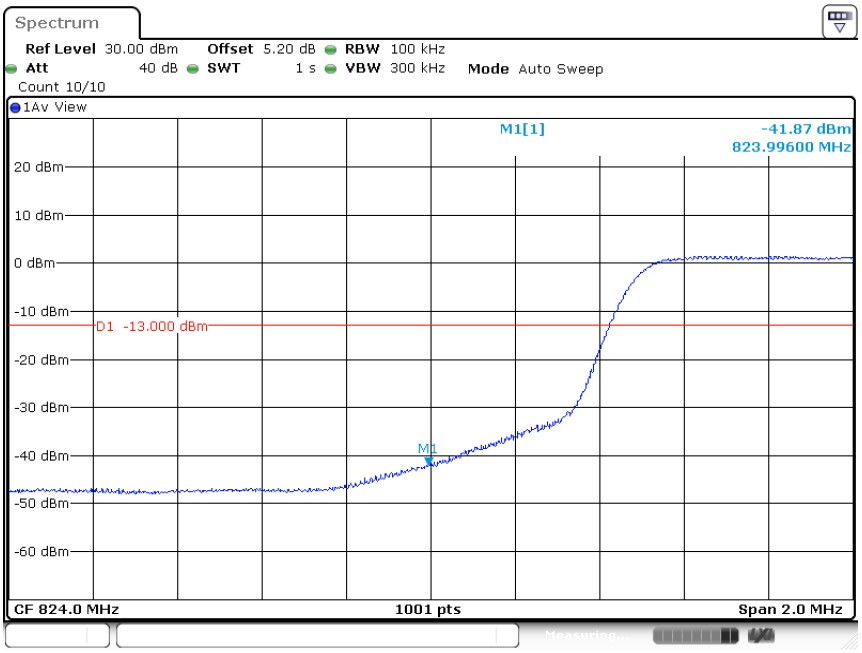
Band5-10MHz-64QAM-20450-50RB#0



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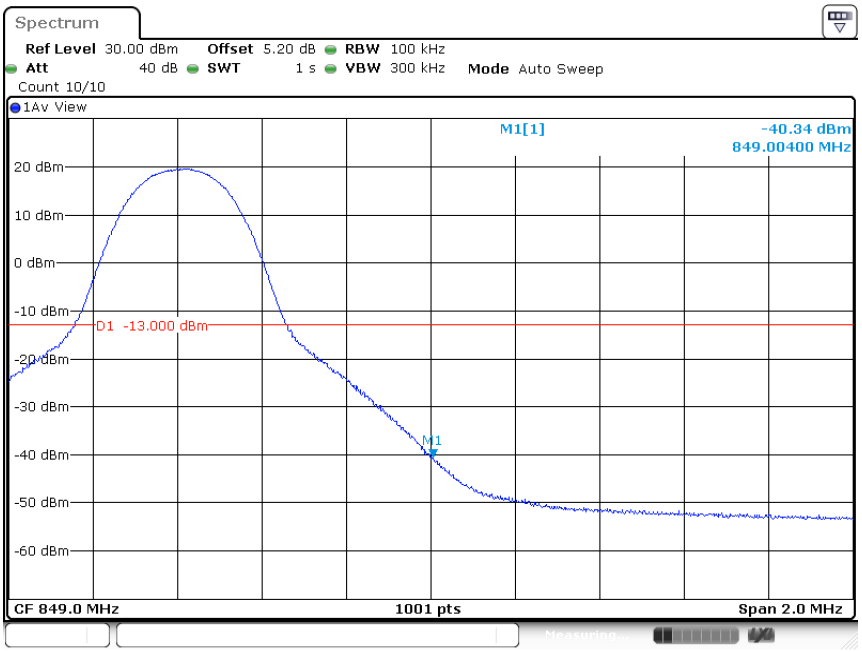
Band5-10MHz-64QAM-20600-1RB#49



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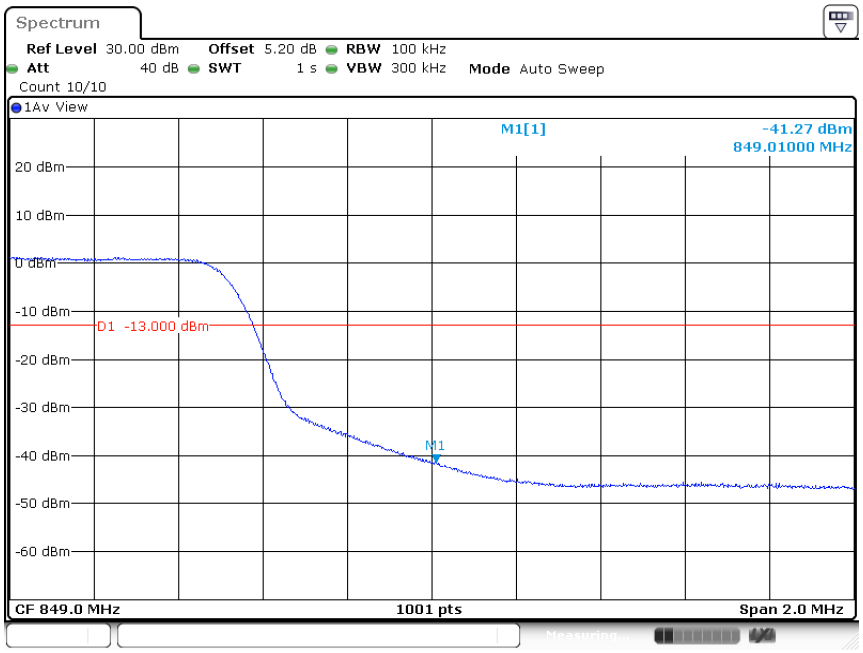
Band5-10MHz-64QAM-20600-50RB#0



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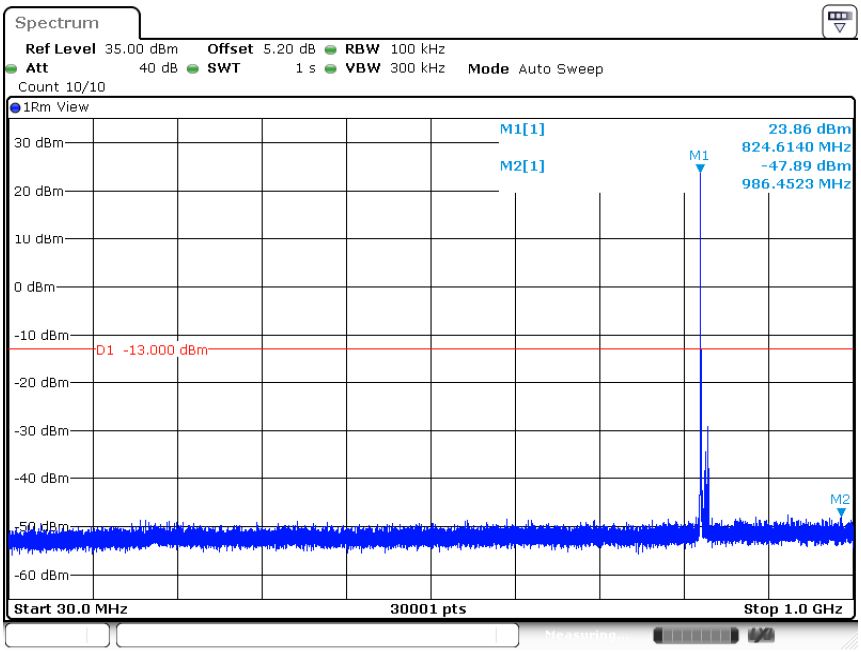
6. Spurious Emission at Antenna Terminal

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

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


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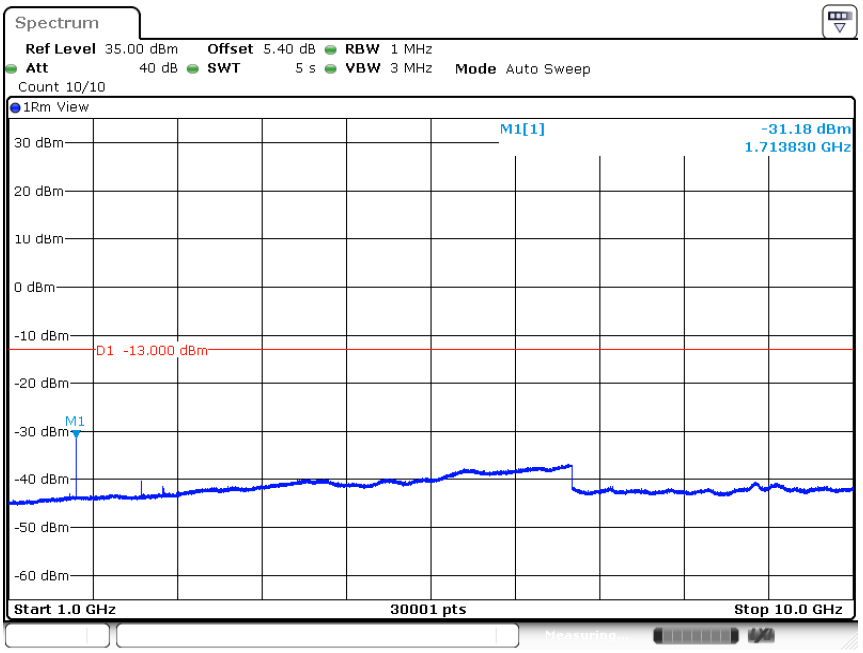
Band5-10MHz-QPSK-20450-1RB#0-Range2:1000~10000MHz



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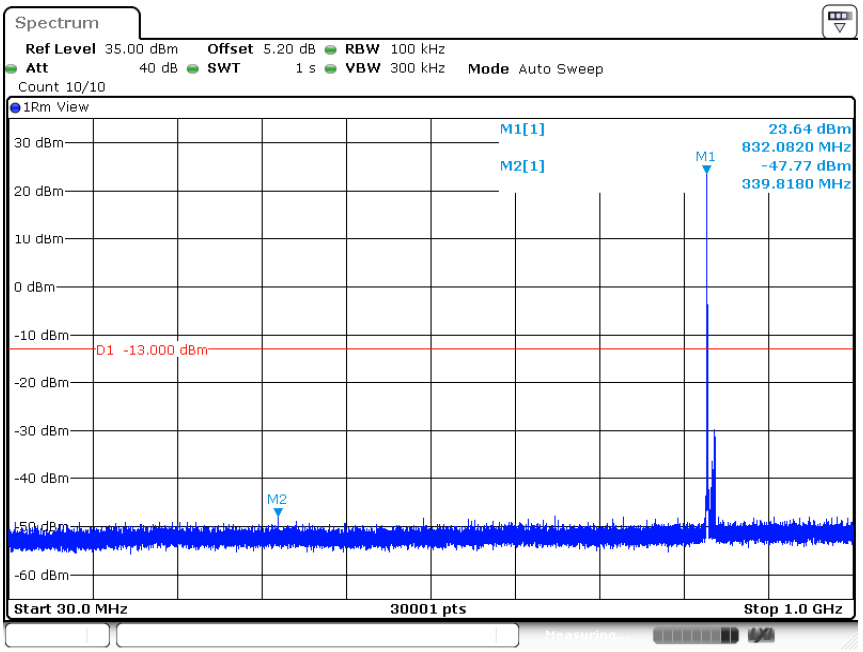

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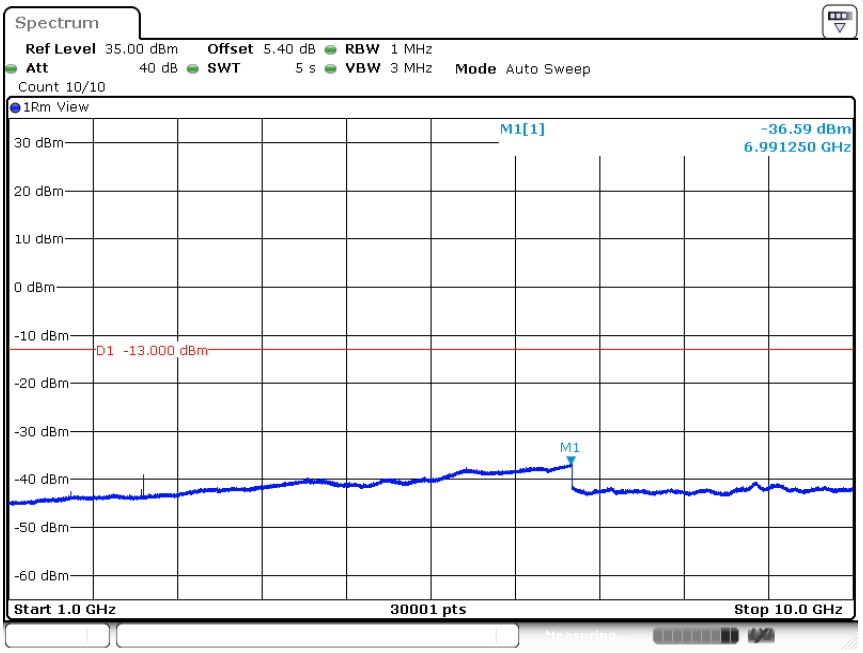
Band5-10MHz-QPSK-20525-1RB#0-Range2:1000~10000MHz



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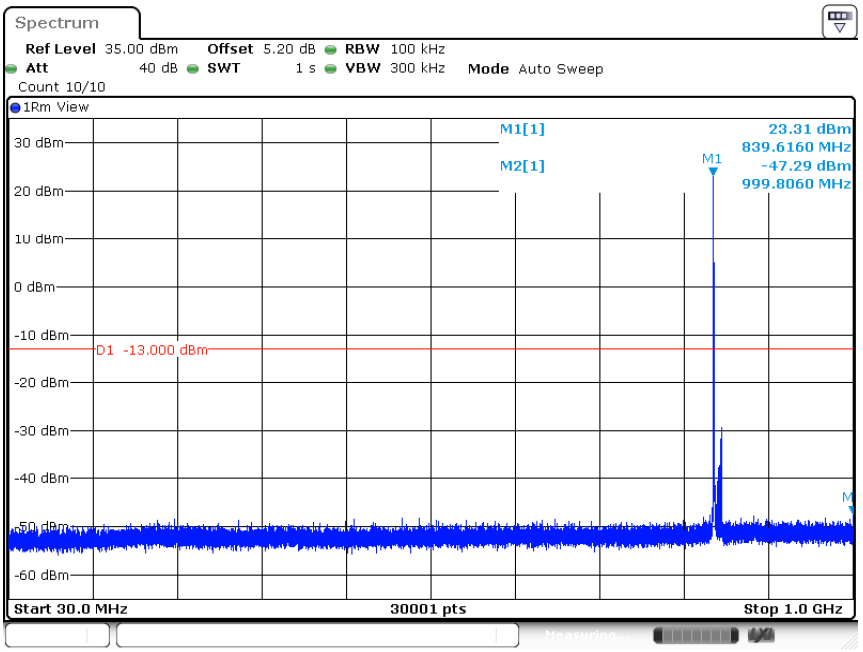

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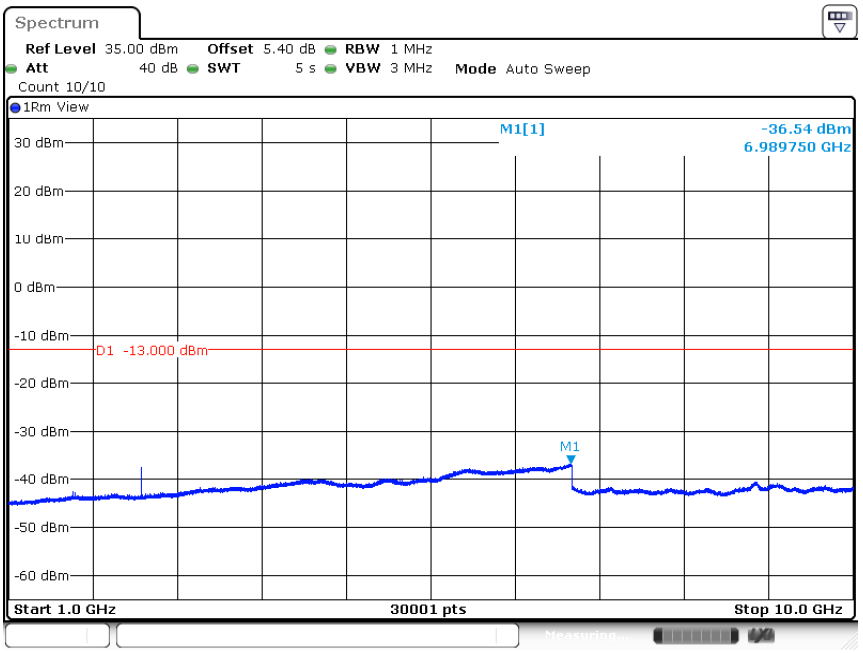

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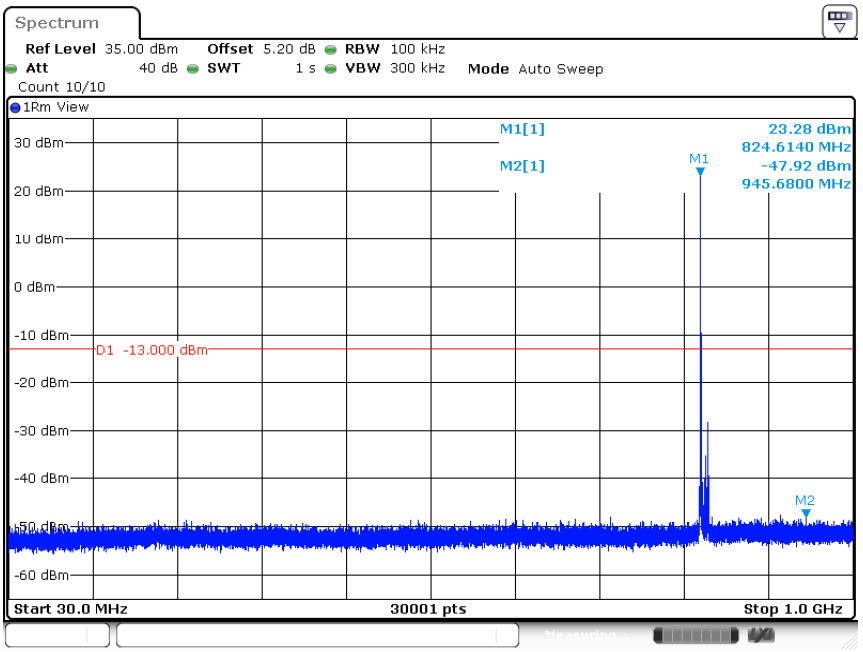

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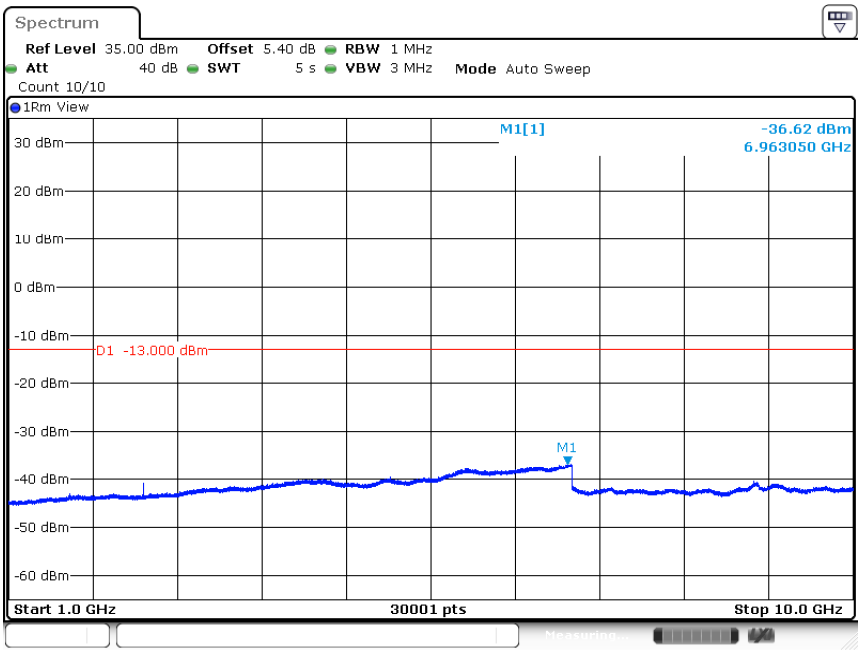
Band5-10MHz-16QAM-20450-1RB#0-Range2:1000~10000MHz



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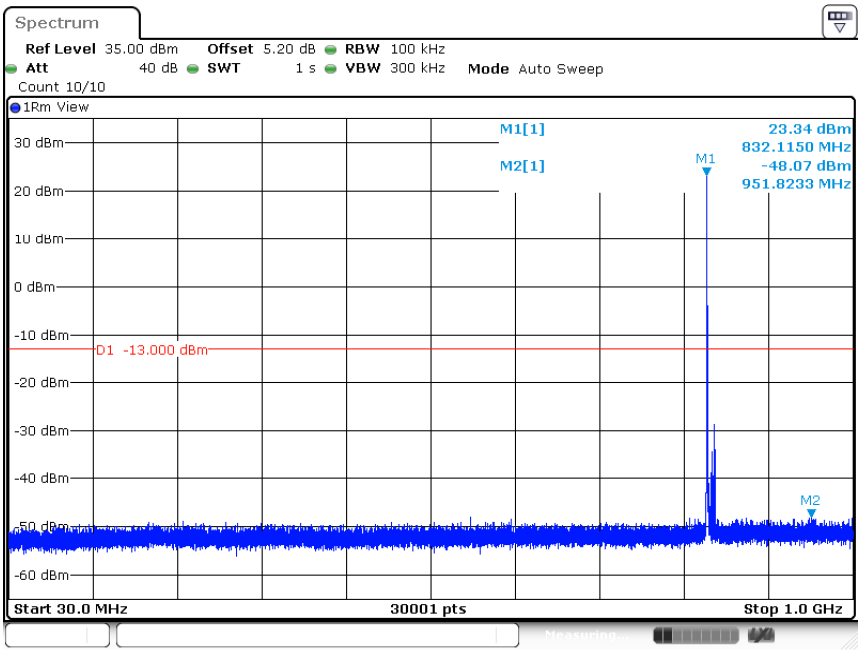
Band5-10MHz-16QAM-20525-1RB#0-Range1:30~1000MHz



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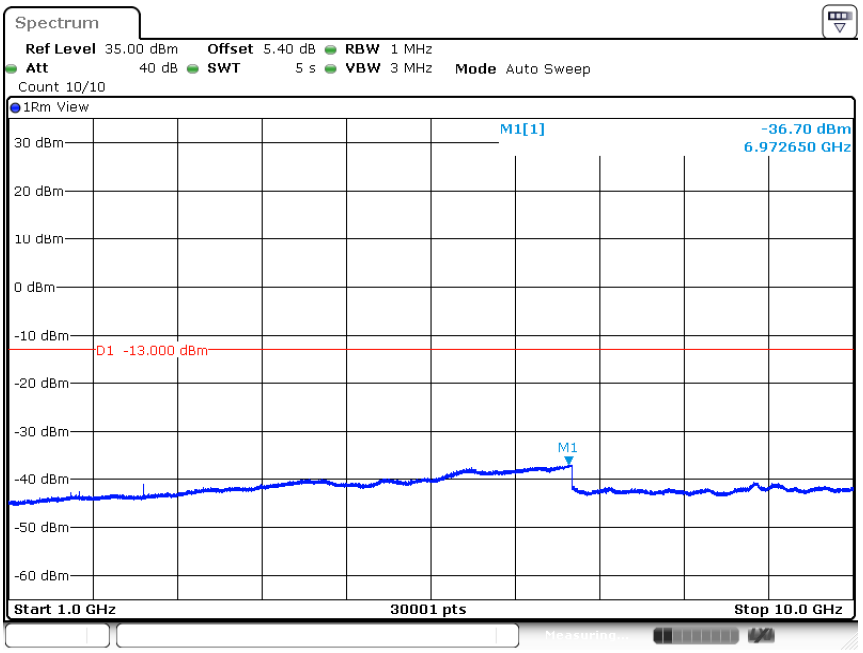

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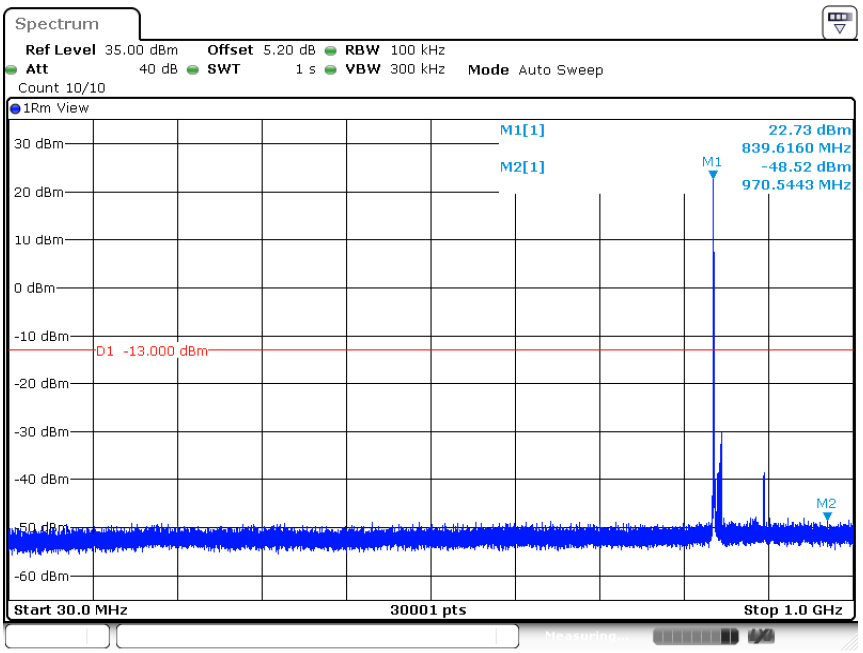

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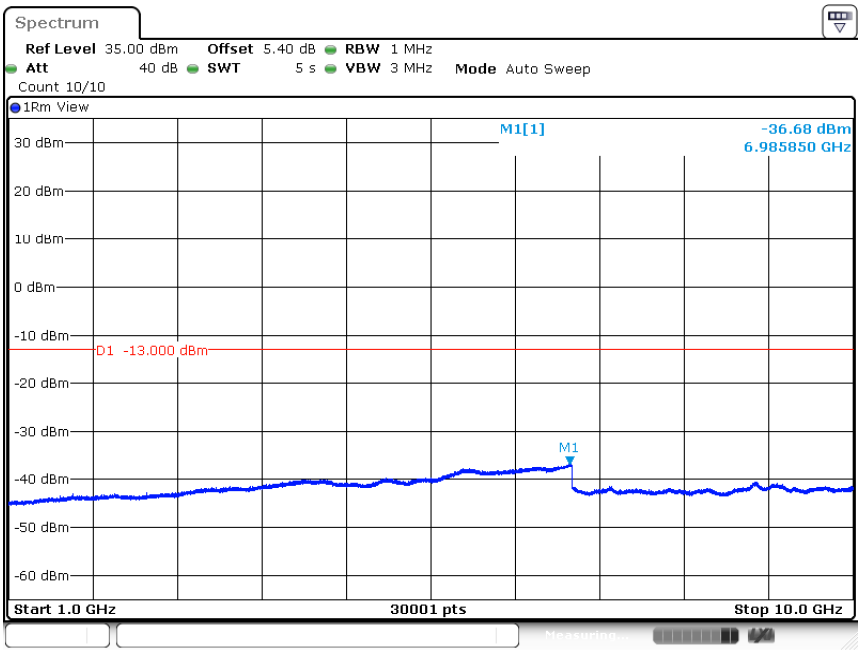
Band5-10MHz-16QAM-20600-1RB#0-Range2:1000~10000MHz



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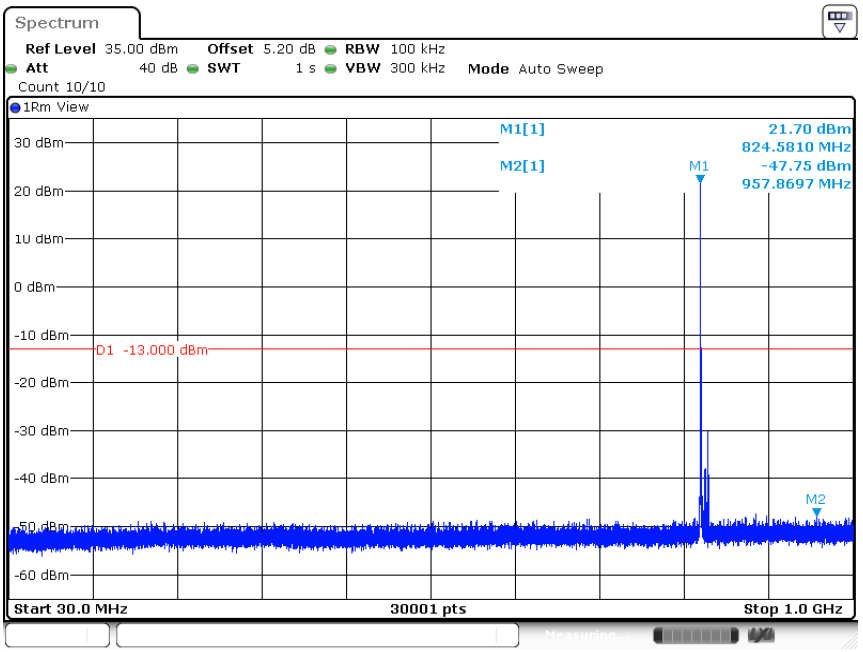

Date: 22.SEP.2020 19:15:48

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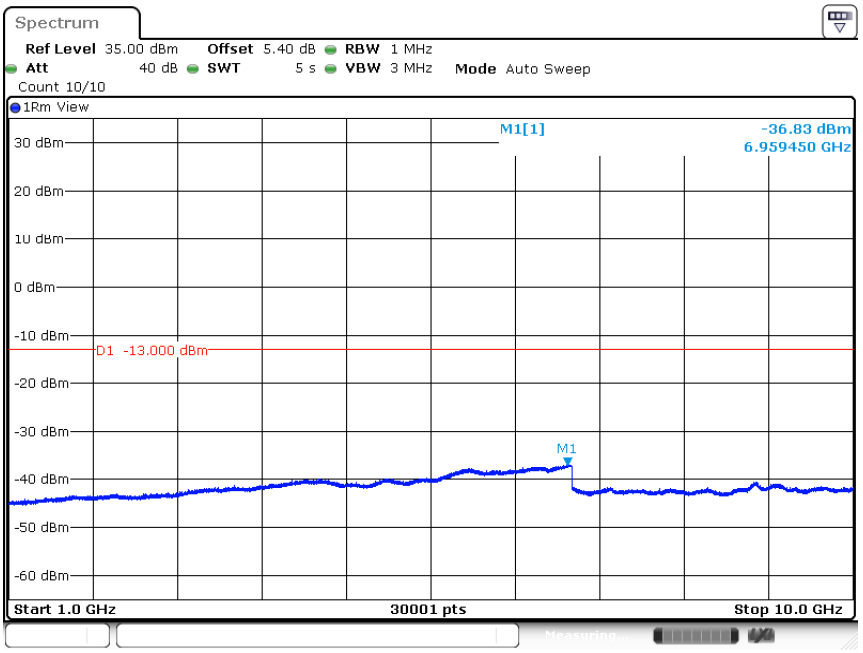
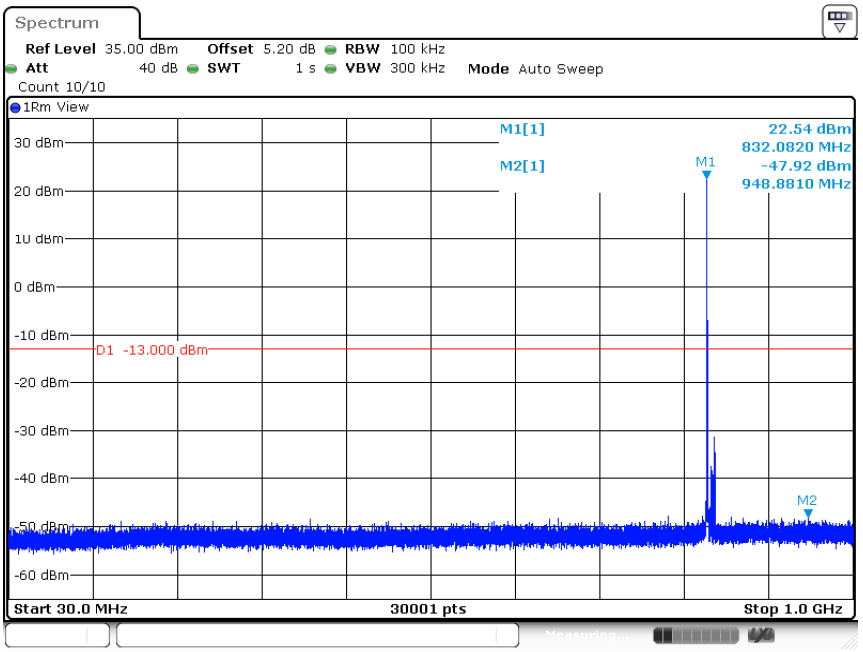
Band5-10MHz-64QAM-20450-1RB#0-Range2:1000~10000MHz



Date: 22.SEP.2020 19:16:57

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



Date: 22.SEP.2020 19:17:19

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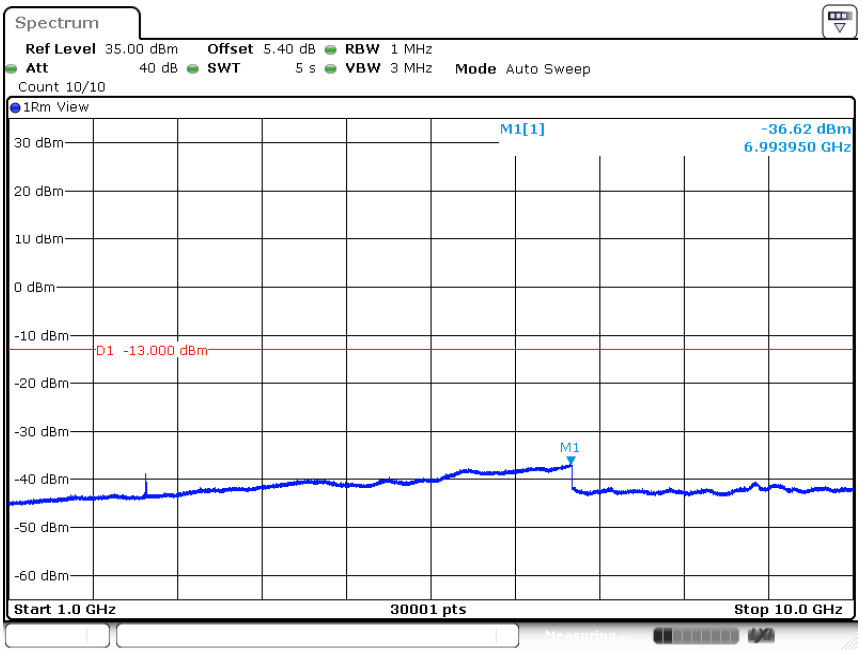
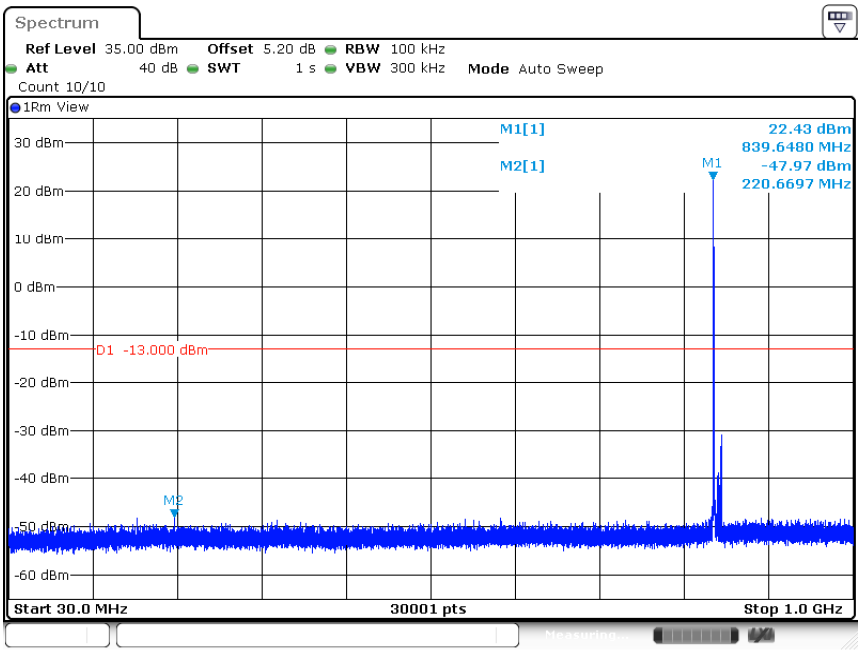
Band5-10MHz-64QAM-20525-1RB#0-Range2:1000~10000MHz



Date: 22.SEP.2020 19:18:28

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



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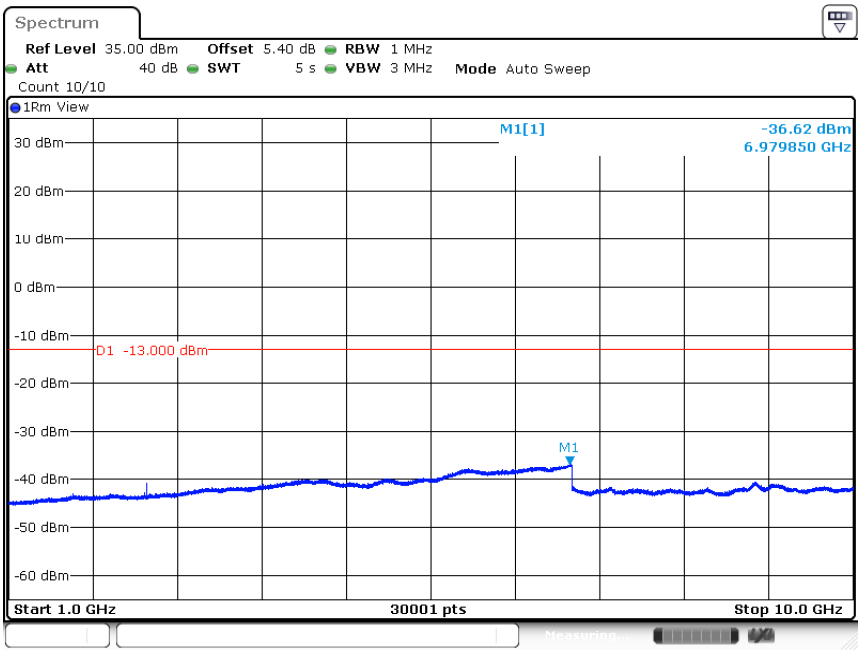

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7. Field Strength of Spurious Radiation

7.1. Test Mode =LTE/TM1 10MHz

7.1.1.Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
57.673333	-74.45	-13.00	61.45	Vertical
315.740000	-83.43	-13.00	70.43	Vertical
605.145833	-76.67	-13.00	63.67	Vertical
1649.000000	-60.09	-13.00	47.09	Vertical
2473.500000	-55.30	-13.00	42.30	Vertical
4122.712500	-57.95	-13.00	44.95	Vertical
57.953333	-73.36	-13.00	60.36	Horizontal
188.573333	-81.26	-13.00	68.26	Horizontal
602.716667	-76.17	-13.00	63.17	Horizontal
1649.000000	-62.30	-13.00	49.30	Horizontal
2473.500000	-56.66	-13.00	43.66	Horizontal
4122.712500	-56.49	-13.00	43.49	Horizontal

7.1.2.Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
57.860000	-74.43	-13.00	61.43	Vertical
124.966667	-84.26	-13.00	71.26	Vertical
324.606667	-83.84	-13.00	70.84	Vertical
1664.000000	-60.58	-13.00	47.58	Vertical
2496.000000	-53.51	-13.00	40.51	Vertical
4160.250000	-56.60	-13.00	43.60	Vertical
57.486667	-73.08	-13.00	60.08	Horizontal
186.706667	-81.02	-13.00	68.02	Horizontal
605.695833	-76.19	-13.00	63.19	Horizontal
1664.000000	-62.84	-13.00	49.84	Horizontal
2496.000000	-55.25	-13.00	42.25	Horizontal
4160.250000	-54.09	-13.00	41.09	Horizontal

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7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
65.233333	-78.65	-13.00	65.65	Vertical
124.966667	-84.96	-13.00	71.96	Vertical
613.716667	-76.42	-13.00	63.42	Vertical
1679.000000	-58.41	-13.00	45.41	Vertical
2518.500000	-51.42	-13.00	38.42	Vertical
4197.787500	-54.32	-13.00	41.32	Vertical
56.506667	-75.33	-13.00	62.33	Horizontal
207.566667	-84.55	-13.00	71.55	Horizontal
621.462500	-75.55	-13.00	62.55	Horizontal
1679.500000	-62.15	-13.00	49.15	Horizontal
2518.500000	-54.70	-13.00	41.70	Horizontal
4197.787500	-51.81	-13.00	38.81	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

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	10MHz	QPSK	20450	50RB#0	VL	NT	3.90	0.004704	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	VN	NT	11.40	0.013752	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	VH	NT	7.50	0.009047	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VL	NT	-0.70	-0.000837	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VN	NT	-4.20	-0.005021	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	-3.00	-0.003586	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VL	NT	-3.80	-0.004502	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VN	NT	-0.60	-0.000711	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VH	NT	-3.40	-0.004028	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VL	NT	5.40	0.006514	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VN	NT	6.40	0.007720	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VH	NT	5.00	0.006031	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VL	NT	-2.00	-0.002391	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VN	NT	-1.10	-0.001315	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VH	NT	-2.40	-0.002869	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VL	NT	-2.00	-0.002370	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VN	NT	-1.60	-0.001896	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VH	NT	-1.40	-0.001659	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	VL	NT	7.30	0.008806	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	VN	NT	7.10	0.008565	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	VH	NT	5.00	0.006031	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	VL	NT	1.00	0.001195	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	VN	NT	-2.70	-0.003228	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	VH	NT	-4.40	-0.005260	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	VL	NT	-6.60	-0.007820	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	VN	NT	-5.30	-0.006280	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	VH	NT	1.80	0.002133	±2.5	PASS

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8.2. Frequency Vs Temperature

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	10MHz	QPSK	20450	50RB#0	NV	-30	3.70	0.004463	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-20	7.60	0.009168	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-10	1.00	0.001206	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	0	8.10	0.009771	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	10	8.50	0.010253	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	20	7.00	0.008444	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	30	5.00	0.006031	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	40	2.90	0.003498	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	50	9.80	0.011821	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-30	-5.80	-0.006934	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	1.30	0.001554	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-10	-2.20	-0.002630	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	-4.40	-0.005260	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	-6.70	-0.008010	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	0.20	0.000239	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	-2.70	-0.003228	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	-4.40	-0.005260	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	-5.60	-0.006695	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-30	-3.30	-0.003910	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-20	1.40	0.001659	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-10	-2.00	-0.002370	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	0	-5.00	-0.005924	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	10	1.10	0.001303	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	20	-1.70	-0.002014	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	30	-4.00	-0.004739	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	40	-6.30	-0.007464	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	50	0.80	0.000948	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	-30	5.10	0.006152	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	-20	4.20	0.005066	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	-10	2.60	0.003136	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	0	1.30	0.001568	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	10	7.10	0.008565	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	20	7.20	0.008685	±2.5	PASS

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Band5	10MHz	16QAM	20450	50RB#0	NV	30	6.20	0.007479	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	40	4.40	0.005308	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	50	11.50	0.013872	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	-30	-3.40	-0.004065	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	-20	-3.40	-0.004065	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	-10	-4.20	-0.005021	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	0	-5.20	-0.006216	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	10	-6.10	-0.007292	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	20	-1.30	-0.001554	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	30	-5.00	-0.005977	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	40	0.10	0.000120	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	50	-0.60	-0.000717	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	-30	-1.80	-0.002133	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	-20	-0.80	-0.000948	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	-10	0.10	0.000118	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	0	0.90	0.001066	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	10	-7.30	-0.008649	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	20	2.30	0.002725	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	30	-5.20	-0.006161	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	40	-4.90	-0.005806	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	50	-3.00	-0.003555	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	-30	6.80	0.008203	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	-20	6.80	0.008203	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	-10	7.20	0.008685	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	0	3.10	0.003739	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	10	5.40	0.006514	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	20	5.80	0.006996	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	30	6.50	0.007841	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	40	3.10	0.003739	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	50	6.20	0.007479	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	-30	-0.90	-0.001076	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	-20	-6.50	-0.007770	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	-10	1.40	0.001674	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	0	-1.60	-0.001913	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	10	-6.60	-0.007890	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	20	-4.60	-0.005499	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	30	-1.40	-0.001674	±2.5	PASS

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Band5	10MHz	64QAM	20525	50RB#0	NV	40	-7.20	-0.008607	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	50	-4.50	-0.005380	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	-30	-5.10	-0.006043	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	-20	1.10	0.001303	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	-10	-1.20	-0.001422	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	0	-6.30	-0.007464	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	10	-2.60	-0.003081	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	20	-5.40	-0.006398	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	30	-4.20	-0.004976	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	40	-2.80	-0.003318	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	50	-1.50	-0.001777	±2.5	PASS

The End

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