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	23.18	24.03	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.37	24.22	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.34	24.19	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	23.42	24.27	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	23.39	24.24	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	23.44	24.29	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.49	23.34	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.38	24.23	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.23	24.08	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.41	24.26	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	23.34	24.19	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	23.41	24.26	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	23.46	24.31	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.46	23.31	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.40	24.25	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.30	24.15	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.37	24.22	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	23.41	24.26	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	23.42	24.27	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	23.34	24.19	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.46	23.31	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	22.88	23.73	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#5	22.98	23.83	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#2	22.96	23.81	38.45	PASS
Band5	1.4MHz	64QAM	20407	3RB#0	22.88	23.73	38.45	PASS
Band5	1.4MHz	64QAM	20407	3RB#1	23.02	23.87	38.45	PASS
Band5	1.4MHz	64QAM	20407	3RB#3	22.98	23.83	38.45	PASS

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Band5	1.4MHz	64QAM	20407	6RB#0	21.88	22.73	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	22.97	23.82	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#2	23.10	23.95	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#5	23.07	23.92	38.45	PASS
Band5	1.4MHz	64QAM	20525	3RB#3	23.06	23.91	38.45	PASS
Band5	1.4MHz	64QAM	20525	3RB#1	23.07	23.92	38.45	PASS
Band5	1.4MHz	64QAM	20525	3RB#0	23.04	23.89	38.45	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	21.94	22.79	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	22.80	23.65	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#2	22.85	23.7	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#5	22.84	23.69	38.45	PASS
Band5	1.4MHz	64QAM	20643	3RB#0	22.80	23.65	38.45	PASS
Band5	1.4MHz	64QAM	20643	3RB#1	22.92	23.77	38.45	PASS
Band5	1.4MHz	64QAM	20643	3RB#3	22.81	23.66	38.45	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	21.84	22.69	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.64	23.49	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.71	23.56	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.67	23.52	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	22.55	23.4	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	22.56	23.41	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	22.55	23.4	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.55	22.4	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.67	23.52	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.81	23.66	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.85	23.7	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	22.54	23.39	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	22.61	23.46	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	22.66	23.51	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.55	22.4	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.64	23.49	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.53	23.38	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.69	23.54	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	22.51	23.36	38.45	PASS

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Band5	1.4MHz	16QAM	20643	3RB#1	22.53	23.38	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	22.55	23.4	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.55	22.4	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.46	24.31	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.50	24.35	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.28	24.13	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#4	22.59	23.44	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#0	22.49	23.34	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#7	22.57	23.42	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.54	23.39	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.51	24.36	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.48	24.33	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.32	24.17	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.56	23.41	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#0	22.48	23.33	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#4	22.54	23.39	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.51	23.36	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.40	24.25	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.48	24.33	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.27	24.12	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.47	23.32	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#0	22.38	23.23	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#4	22.54	23.39	38.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.57	23.42	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#8	23.13	23.98	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#14	23.05	23.9	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#0	22.91	23.76	38.45	PASS
Band5	3MHz	64QAM	20415	8RB#0	21.87	22.72	38.45	PASS
Band5	3MHz	64QAM	20415	8RB#4	21.97	22.82	38.45	PASS
Band5	3MHz	64QAM	20415	8RB#7	22.04	22.89	38.45	PASS
Band5	3MHz	64QAM	20415	15RB#0	21.96	22.81	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#14	23.13	23.98	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#0	23.01	23.86	38.45	PASS

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Band5	3MHz	64QAM	20525	1RB#8	23.19	24.04	38.45	PASS
Band5	3MHz	64QAM	20525	8RB#0	21.92	22.77	38.45	PASS
Band5	3MHz	64QAM	20525	8RB#4	22.10	22.95	38.45	PASS
Band5	3MHz	64QAM	20525	8RB#7	22.07	22.92	38.45	PASS
Band5	3MHz	64QAM	20525	15RB#0	22.01	22.86	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#0	22.84	23.69	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#14	22.92	23.77	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#8	22.98	23.83	38.45	PASS
Band5	3MHz	64QAM	20635	8RB#7	21.91	22.76	38.45	PASS
Band5	3MHz	64QAM	20635	8RB#0	21.80	22.65	38.45	PASS
Band5	3MHz	64QAM	20635	8RB#4	21.85	22.7	38.45	PASS
Band5	3MHz	64QAM	20635	15RB#0	21.87	22.72	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.58	23.43	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.81	23.66	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.77	23.62	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#4	21.64	22.49	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#0	21.53	22.38	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#7	21.66	22.51	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.54	22.39	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.69	23.54	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.77	23.62	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.88	23.73	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#0	21.58	22.43	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#7	21.66	22.51	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#4	21.64	22.49	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.56	22.41	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.50	23.35	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.61	23.46	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.70	23.55	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#0	21.46	22.31	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#4	21.62	22.47	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#7	21.56	22.41	38.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.52	22.37	38.45	PASS

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Band5	5MHz	QPSK	20425	1RB#24	23.43	24.28	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.39	24.24	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.33	24.18	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#13	22.59	23.44	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#6	22.55	23.4	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#0	22.49	23.34	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.56	23.41	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.38	24.23	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.46	24.31	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.44	24.29	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.48	23.33	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.53	23.38	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.55	23.4	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.50	23.35	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.31	24.16	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.39	24.24	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.36	24.21	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#0	22.45	23.3	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#6	22.53	23.38	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#13	22.52	23.37	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.55	23.4	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#24	22.99	23.84	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#12	23.00	23.85	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#0	22.98	23.83	38.45	PASS
Band5	5MHz	64QAM	20425	12RB#0	21.89	22.74	38.45	PASS
Band5	5MHz	64QAM	20425	12RB#6	22.01	22.86	38.45	PASS
Band5	5MHz	64QAM	20425	12RB#13	21.99	22.84	38.45	PASS
Band5	5MHz	64QAM	20425	25RB#0	21.97	22.82	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#12	23.19	24.04	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#24	23.05	23.9	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#0	23.07	23.92	38.45	PASS
Band5	5MHz	64QAM	20525	12RB#13	22.06	22.91	38.45	PASS
Band5	5MHz	64QAM	20525	12RB#0	21.93	22.78	38.45	PASS

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Band5	5MHz	64QAM	20525	12RB#6	22.00	22.85	38.45	PASS
Band5	5MHz	64QAM	20525	25RB#0	21.99	22.84	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#0	22.88	23.73	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#12	22.99	23.84	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#24	22.88	23.73	38.45	PASS
Band5	5MHz	64QAM	20625	12RB#6	21.88	22.73	38.45	PASS
Band5	5MHz	64QAM	20625	12RB#0	21.87	22.72	38.45	PASS
Band5	5MHz	64QAM	20625	12RB#13	21.90	22.75	38.45	PASS
Band5	5MHz	64QAM	20625	25RB#0	21.83	22.68	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.72	23.57	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.69	23.54	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.78	23.63	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#0	21.52	22.37	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#13	21.62	22.47	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#6	21.61	22.46	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.59	22.44	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.86	23.71	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.76	23.61	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.77	23.62	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#0	21.56	22.41	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#6	21.63	22.48	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#13	21.68	22.53	38.45	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.52	22.37	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.60	23.45	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.62	23.47	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.70	23.55	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#0	21.47	22.32	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#6	21.58	22.43	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#13	21.56	22.41	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.49	22.34	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.47	24.32	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.33	24.18	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.50	24.35	38.45	PASS

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Band5	10MHz	QPSK	20450	25RB#12	22.58	23.43	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.57	23.42	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.54	23.39	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.53	23.38	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.33	24.18	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.60	24.45	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.33	24.18	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.62	23.47	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.58	23.43	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.51	23.36	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.53	23.38	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.36	24.21	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.57	24.42	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.36	24.21	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.54	23.39	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.55	23.4	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#25	22.49	23.34	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.51	23.36	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#0	23.03	23.88	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#24	22.85	23.7	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#49	23.04	23.89	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#25	21.88	22.73	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#0	21.98	22.83	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#12	21.96	22.81	38.45	PASS
Band5	10MHz	64QAM	20450	50RB#0	21.98	22.83	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#0	23.14	23.99	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#24	22.95	23.8	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#49	23.05	23.9	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#0	22.01	22.86	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#12	22.01	22.86	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#25	21.97	22.82	38.45	PASS
Band5	10MHz	64QAM	20525	50RB#0	21.99	22.84	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#49	22.81	23.66	38.45	PASS

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Band5	10MHz	64QAM	20600	1RB#0	23.17	24.02	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#24	22.86	23.71	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#0	21.92	22.77	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#25	21.89	22.74	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#12	21.92	22.77	38.45	PASS
Band5	10MHz	64QAM	20600	50RB#0	21.91	22.76	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.81	23.66	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.66	23.51	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.90	23.75	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.54	22.39	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#12	21.56	22.41	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.54	22.39	38.45	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.54	22.39	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.77	23.62	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.80	23.65	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.69	23.54	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.56	22.41	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#12	21.62	22.47	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#25	21.57	22.42	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.58	22.43	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.73	23.58	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.68	23.53	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.66	23.51	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#25	21.45	22.3	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#12	21.51	22.36	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#0	21.57	22.42	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.51	22.36	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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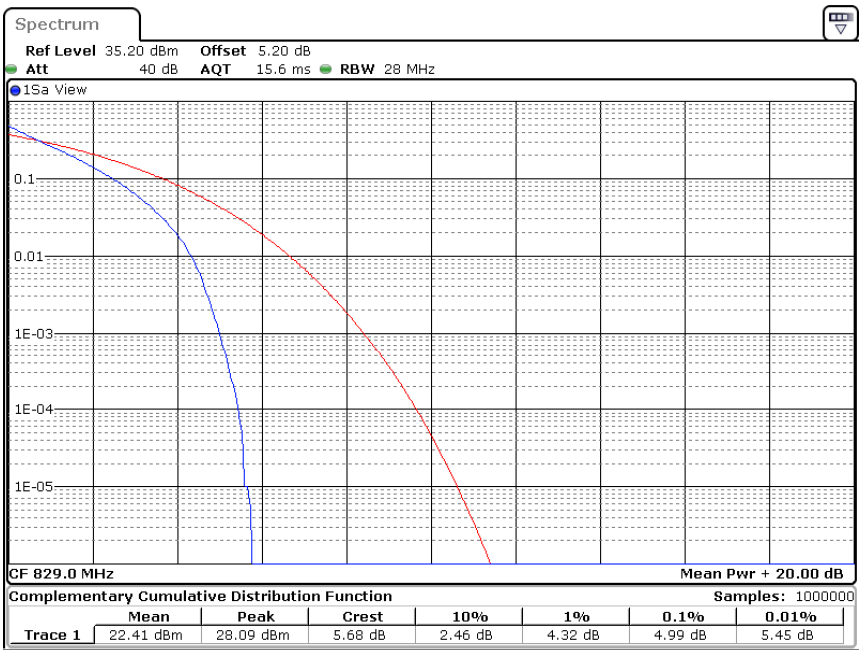
2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	10MHz	QPSK	20450	50RB#0	4.99	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	6.46	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.36	13	PASS
Band5	10MHz	64QAM	20450	50RB#0	6.75	13	PASS
Band5	10MHz	64QAM	20525	50RB#0	6.64	13	PASS
Band5	10MHz	64QAM	20600	50RB#0	6.43	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	5.88	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.32	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.14	13	PASS

2.2. Test Plots

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



Date: 16.JUL.2020 01:26:39

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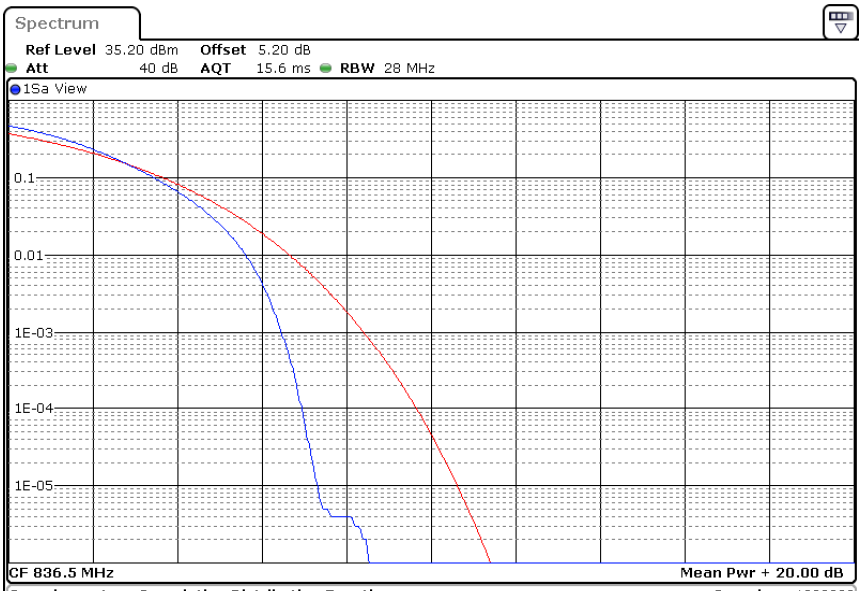
Band5-10MHz-QPSK-20525-50RB#0

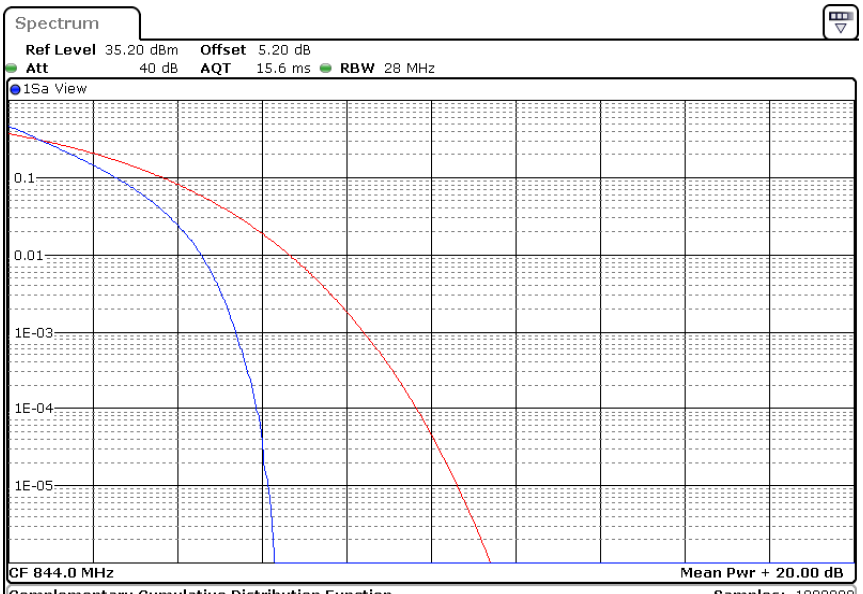


Complementary Cumulative Distribution Function — Samples: 1000000

	Mean	Peak	Crest	10%	1%	0.1%	0.01%
Trace 1	20.69 dBm	29.24 dBm	8.55 dB	3.42 dB	5.59 dB	6.46 dB	6.93 dB

Date: 16.JUL.2020 01:27:01

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



Complementary Cumulative Distribution Function — Samples: 1000000

	Mean	Peak	Crest	10%	1%	0.1%	0.01%
Trace 1	21.08 dBm	27.37 dBm	6.28 dB	2.52 dB	4.55 dB	5.36 dB	5.88 dB

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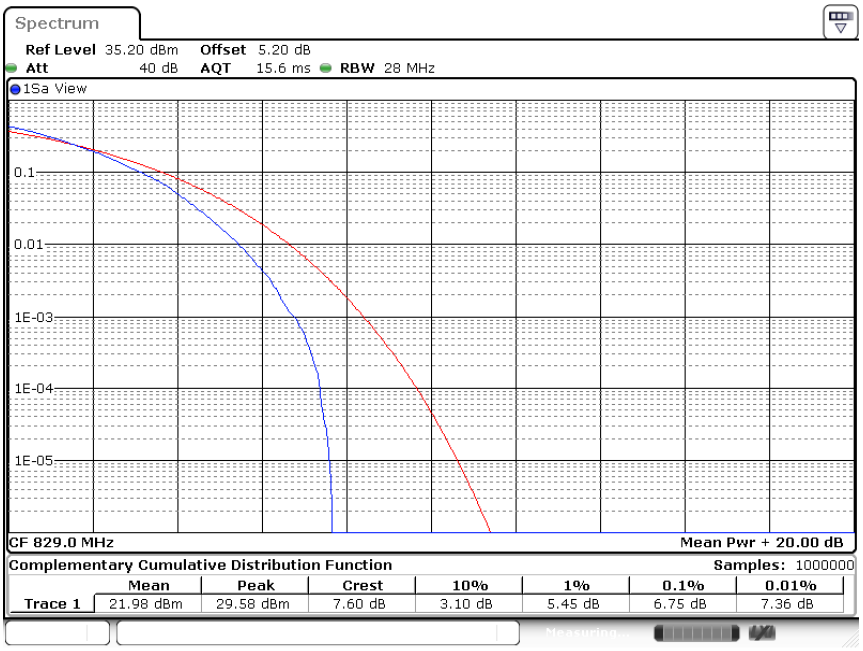
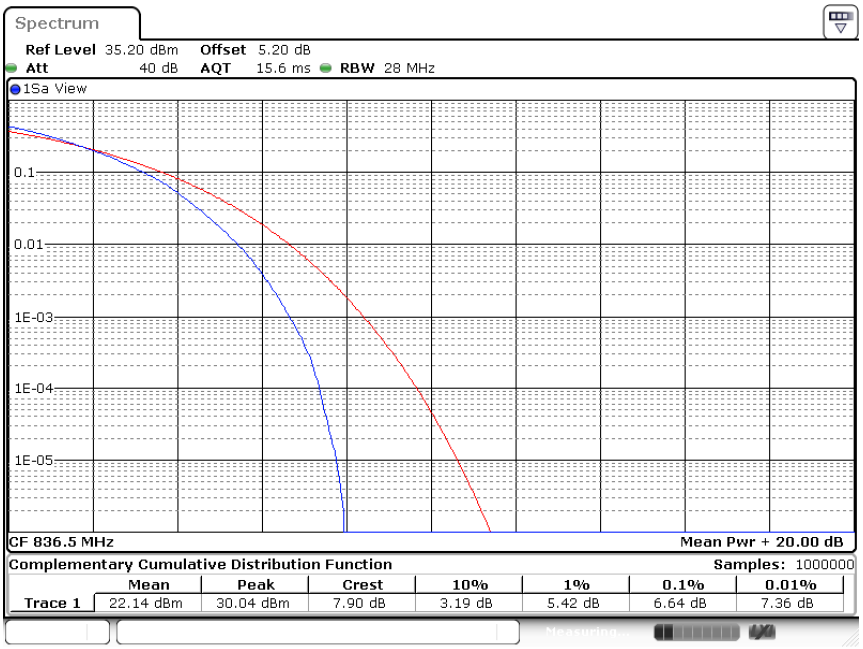


Date: 10.AUG.2020 23:58:45

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



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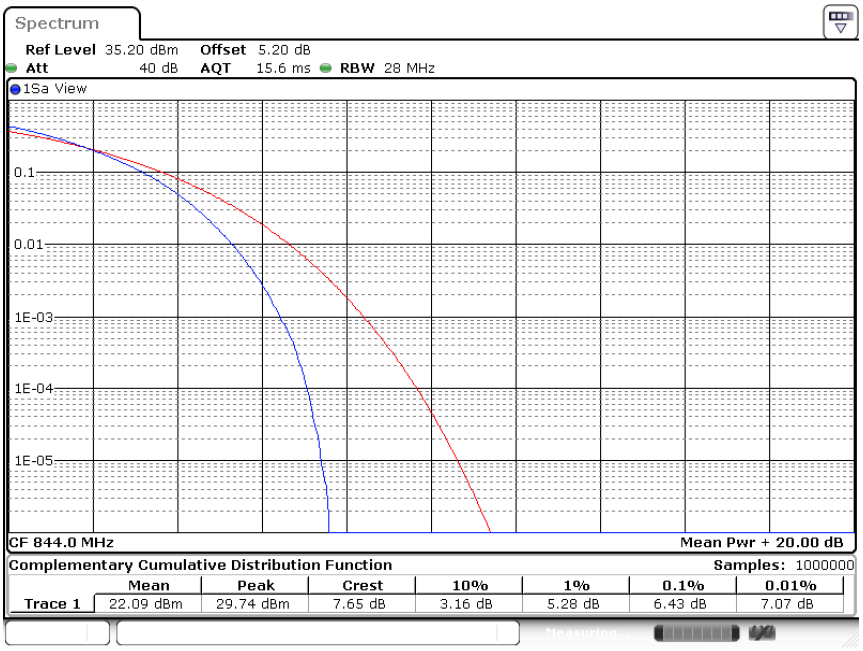
Band5-10MHz-64QAM-20600-50RB#0



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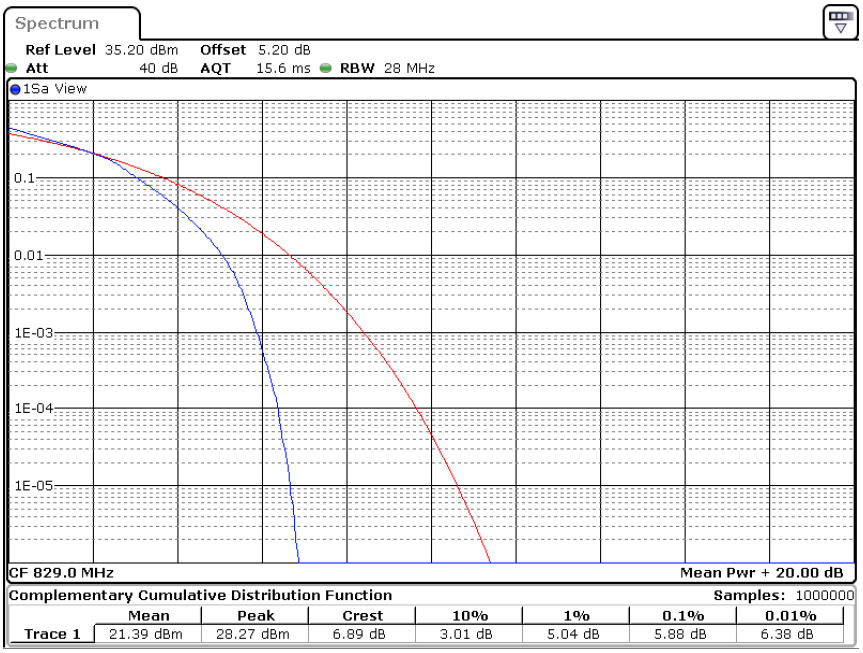
Band5-10MHz-16QAM-20450-50RB#0



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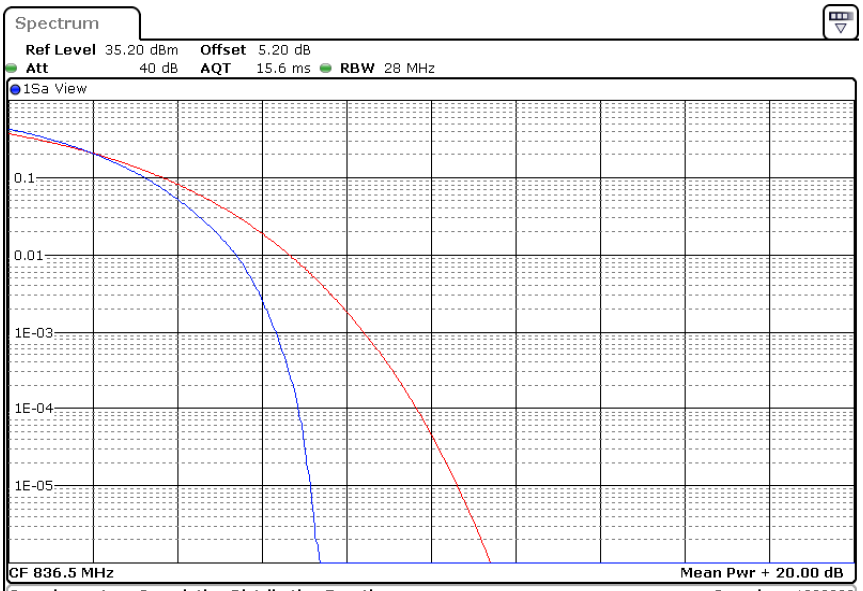
Band5-10MHz-16QAM-20525-50RB#0

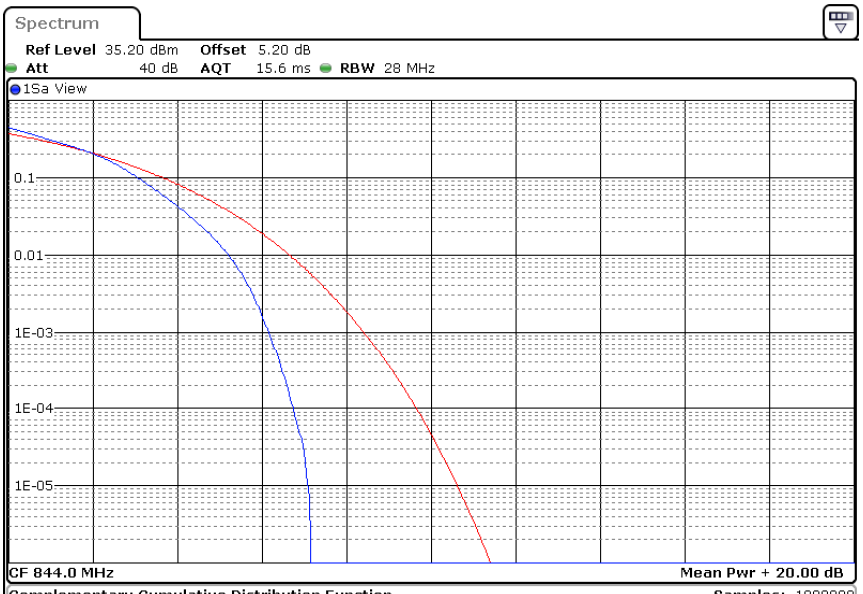


Complementary Cumulative Distribution Function — Samples: 1000000

	Mean	Peak	Crest	10%	1%	0.1%	0.01%
Trace 1	20.76 dBm	28.17 dBm	7.41 dB	3.22 dB	5.36 dB	6.32 dB	6.87 dB

Date: 16.JUL.2020 01:27:12

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



Complementary Cumulative Distribution Function — Samples: 1000000

	Mean	Peak	Crest	10%	1%	0.1%	0.01%
Trace 1	20.09 dBm	27.27 dBm	7.18 dB	3.04 dB	5.19 dB	6.14 dB	6.72 dB

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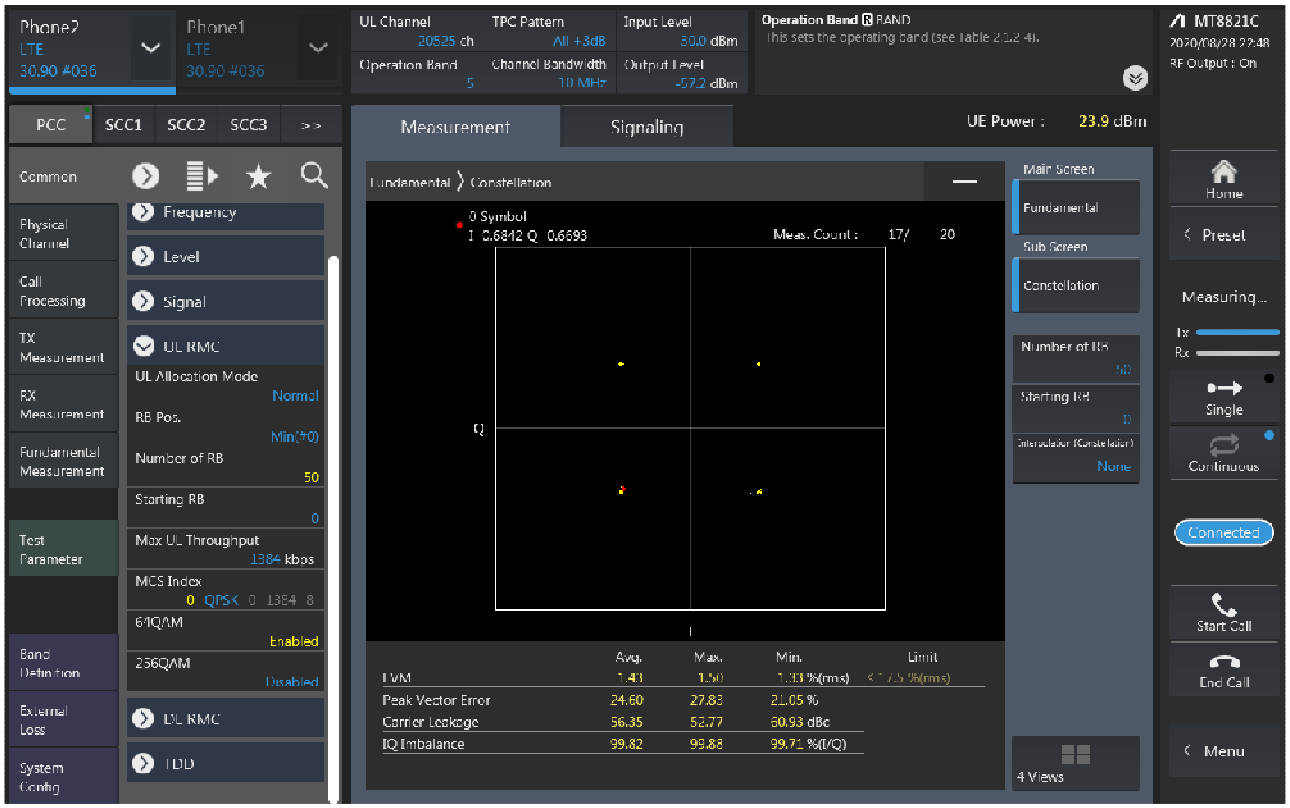
3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 10MHz

3.1.1.Test Channel = MCH



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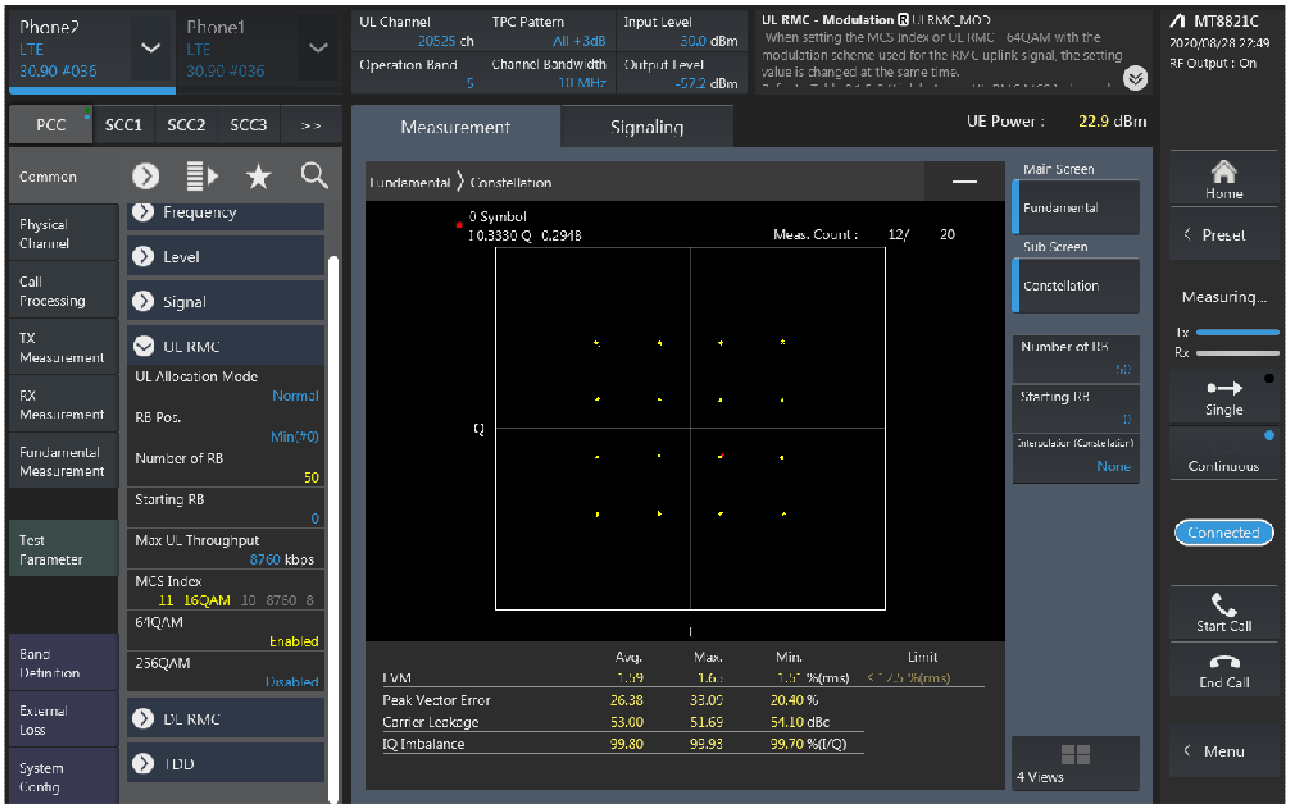
3.2. Test Mode = LTE /TM2 10MHz

3.2.1.Test Channel = MCH



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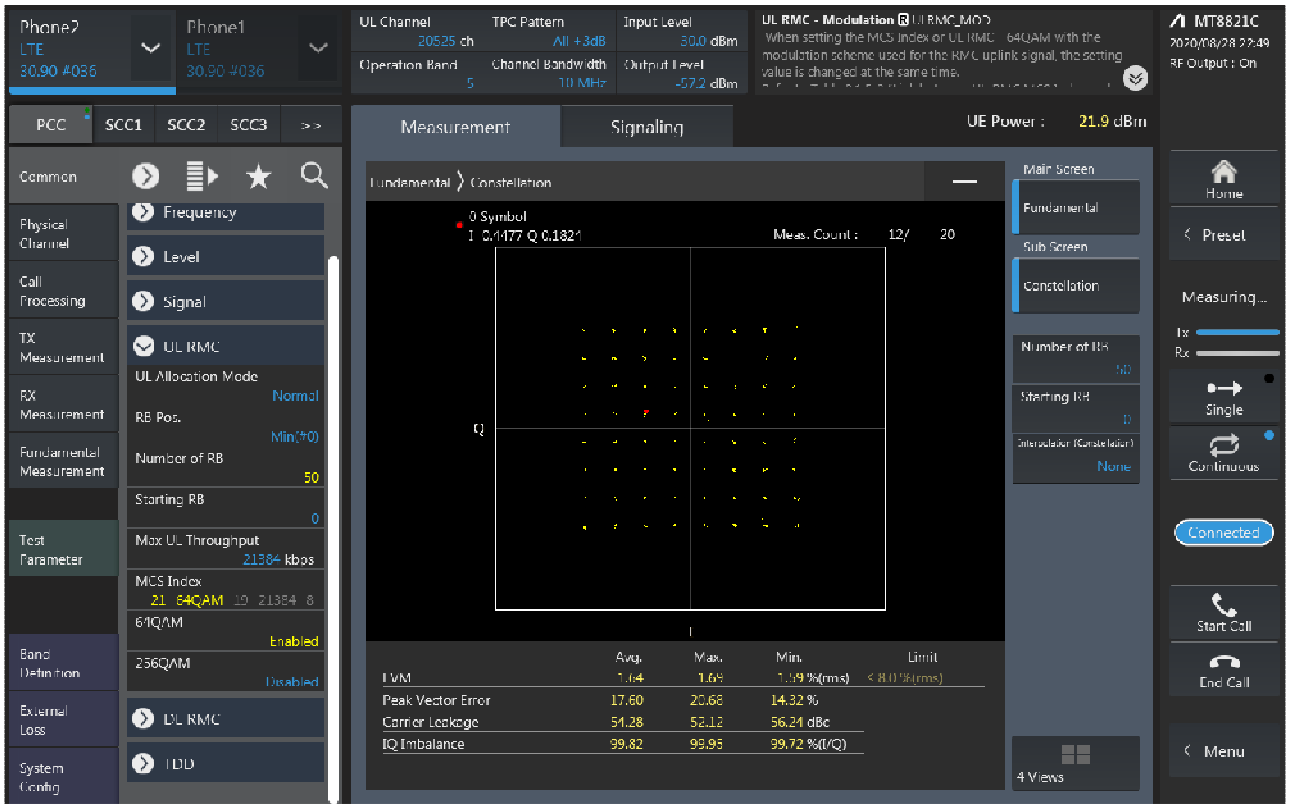
3.3. Test Mode = LTE /TM3 10MHz

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	1.088	1.236	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.088	1.233	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.091	1.233	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	1.091	1.236	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	1.094	1.245	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	1.091	1.242	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.085	1.239	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.091	1.242	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.088	1.236	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.697	3.000	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.697	3.012	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.697	3.018	PASS
Band5	3MHz	64QAM	20415	15RB#0	2.685	2.988	PASS
Band5	3MHz	64QAM	20525	15RB#0	2.685	2.988	PASS
Band5	3MHz	64QAM	20635	15RB#0	2.691	2.976	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.685	2.982	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.691	2.988	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.691	2.976	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.466	4.880	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.486	4.890	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.476	4.910	PASS
Band5	5MHz	64QAM	20425	25RB#0	4.466	4.860	PASS
Band5	5MHz	64QAM	20525	25RB#0	4.476	4.740	PASS
Band5	5MHz	64QAM	20625	25RB#0	4.476	4.870	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.466	4.910	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.486	4.930	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.476	4.940	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.931	9.660	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.951	9.660	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.951	9.680	PASS
Band5	10MHz	64QAM	20450	50RB#0	8.931	9.680	PASS

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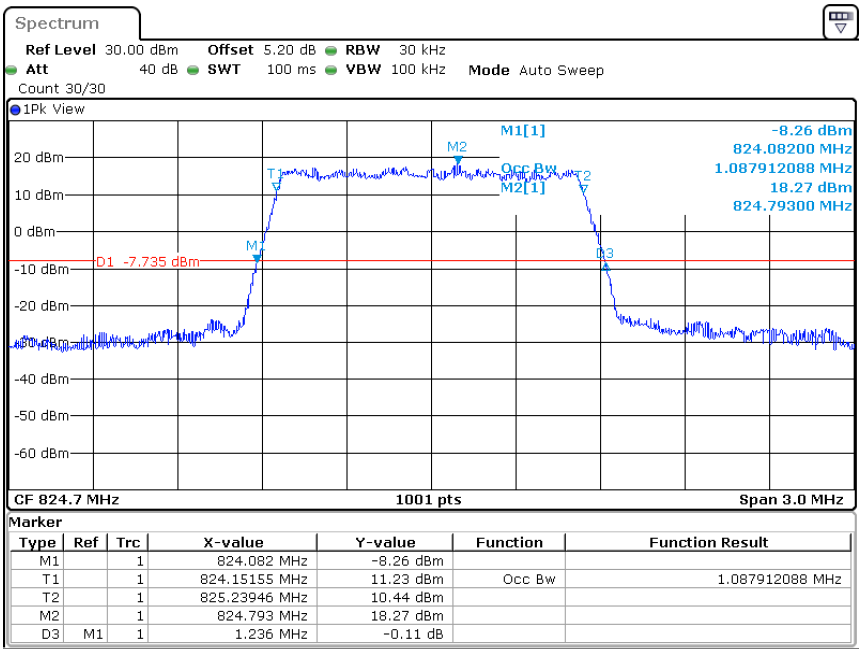
Band5	10MHz	64QAM	20525	50RB#0	8.911	9.620	PASS
Band5	10MHz	64QAM	20600	50RB#0	8.911	9.620	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.911	9.660	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.951	9.720	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.931	9.660	PASS

4.2. Test Plots

Band5-1.4MHz-QPSK-20407-6RB#0-1.088



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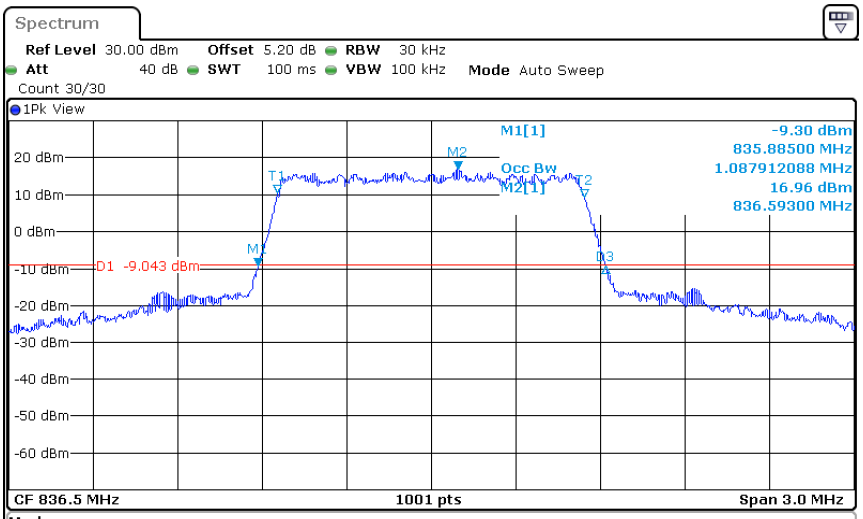
Band5-1.4MHz-QPSK-20525-6RB#0-1.088



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	835.885 MHz	-9.30 dBm		
T1		1	835.95455 MHz	10.57 dBm	Occ Bw	1.087912088 MHz
T2		1	837.04246 MHz	9.26 dBm		
M2		1	836.593 MHz	16.96 dBm		
D3	M1	1	1.233 MHz	-0.07 dB		

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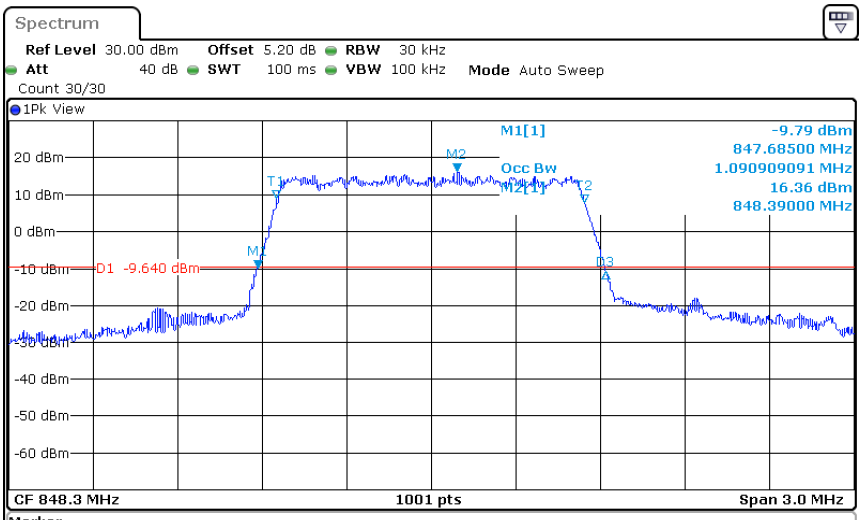
Band5-1.4MHz-QPSK-20643-6RB#0-1.091



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	847.685 MHz	-9.79 dBm		
T1		1	847.75155 MHz	9.09 dBm	Occ Bw	1.090909091 MHz
T2		1	848.84246 MHz	8.03 dBm		
M2		1	848.39 MHz	16.36 dBm		
D3	M1	1	1.233 MHz	-0.92 dB		

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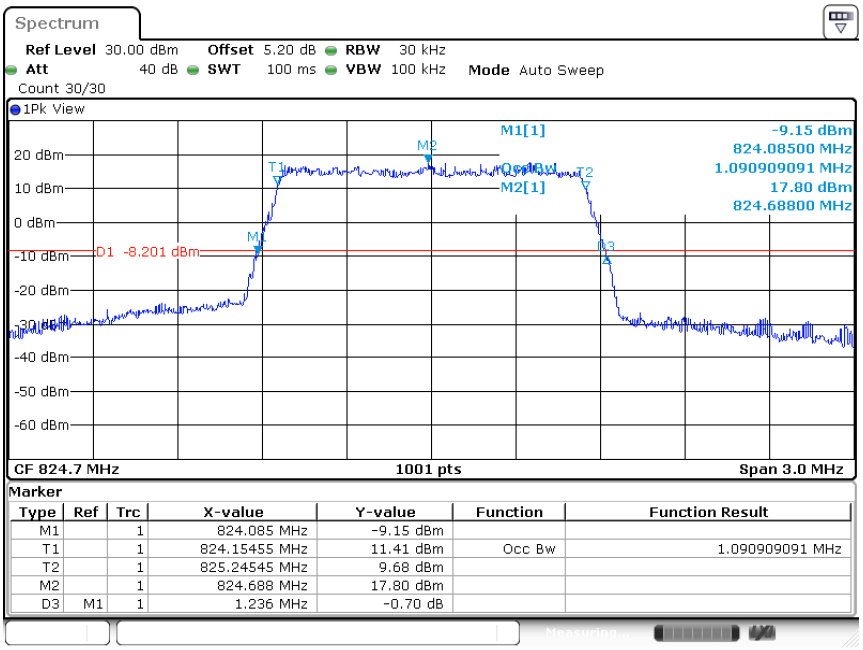

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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	824.085 MHz	-9.15 dBm		
T1		1	824.15455 MHz	11.41 dBm	Occ Bw	1.090909091 MHz
T2		1	825.24545 MHz	9.68 dBm		
M2		1	824.688 MHz	17.80 dBm		
D3	M1	1	1.236 MHz	-0.70 dB		

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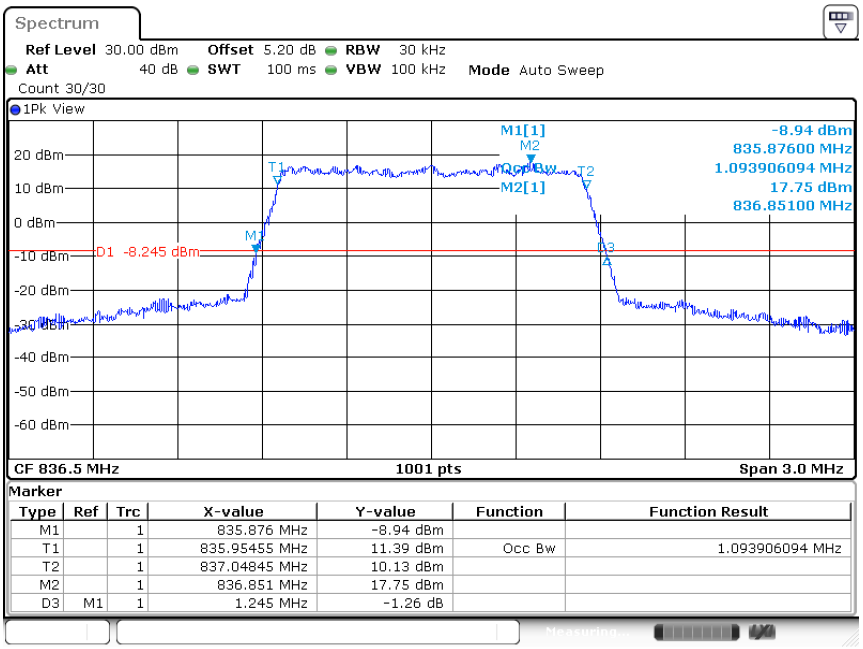
Band5-1.4MHz-64QAM-20525-6RB#0-1.094



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	835.876 MHz	-8.94 dBm		
T1		1	835.95455 MHz	11.39 dBm	Occ Bw	1.093906094 MHz
T2		1	837.04845 MHz	10.13 dBm		
M2		1	836.851 MHz	17.75 dBm		
D3	M1	1	1.245 MHz	-1.26 dB		

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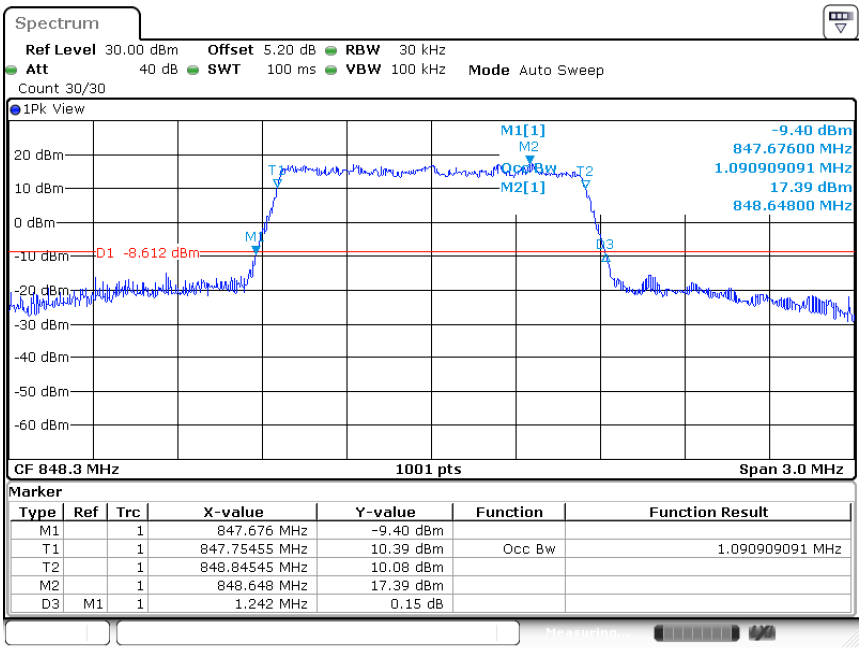
Band5-1.4MHz-64QAM-20643-6RB#0-1.091

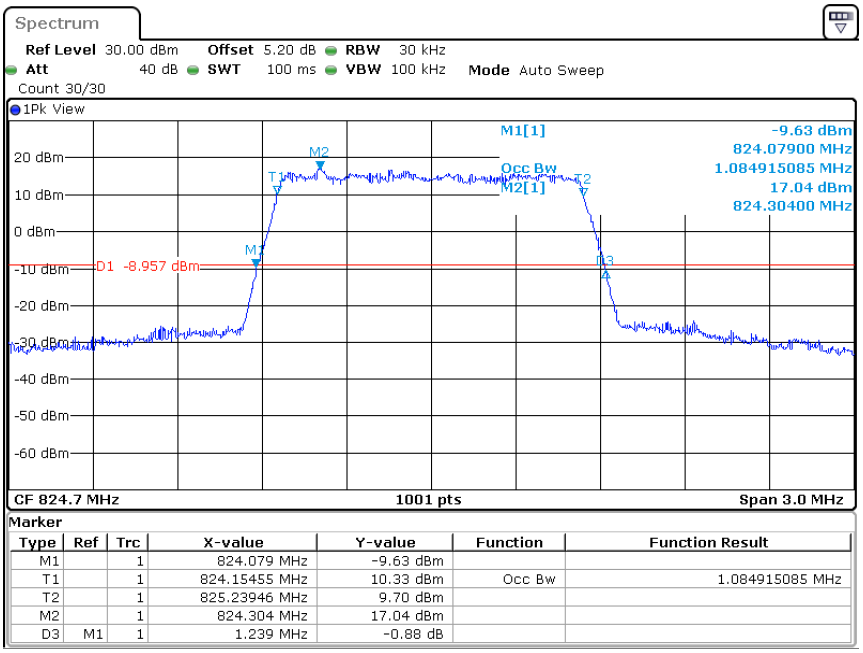


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	847.676 MHz	-9.40 dBm		
T1		1	847.75455 MHz	10.39 dBm	Occ Bw	1.090909091 MHz
T2		1	848.84545 MHz	10.08 dBm		
M2		1	848.648 MHz	17.39 dBm		
D3	M1	1	1.242 MHz	0.15 dB		

Date: 10.AUG.2020 23:45:04

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



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	824.079 MHz	-9.63 dBm		
T1		1	824.15455 MHz	10.33 dBm	Occ Bw	1.084915085 MHz
T2		1	825.23946 MHz	9.70 dBm		
M2		1	824.304 MHz	17.04 dBm		
D3	M1	1	1.239 MHz	-0.88 dB		

Date: 15.JUL.2020 16:38:27

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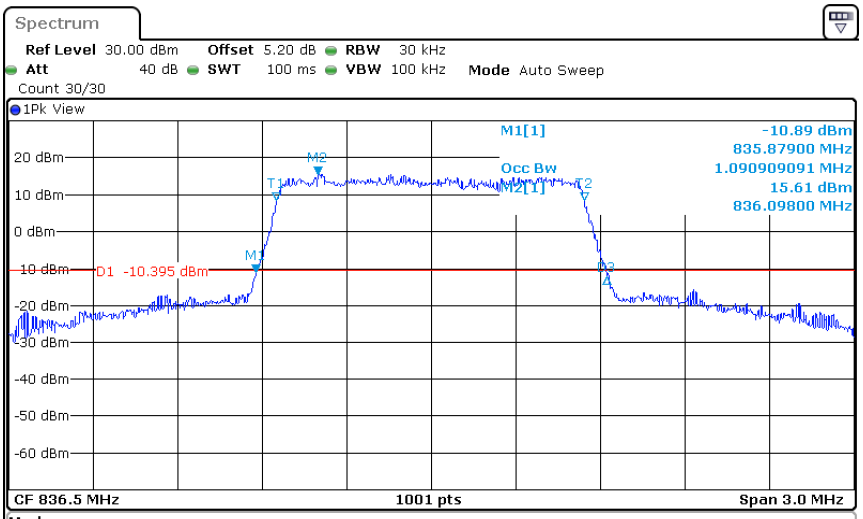
Band5-1.4MHz-16QAM-20525-6RB#0-1.091

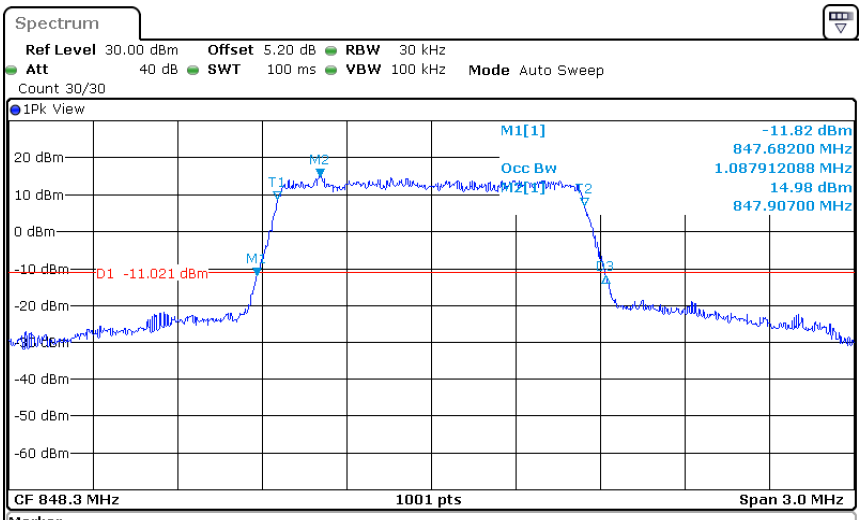


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	835.879 MHz	-10.89 dBm		
T1		1	835.95155 MHz	8.60 dBm	Occ Bw	1.090909091 MHz
T2		1	837.04246 MHz	8.39 dBm		
M2		1	836.098 MHz	15.61 dBm		
D3	M1	1	1.242 MHz	-1.30 dB		

Date: 15.JUL.2020 16:38:53

Band5-1.4MHz-16QAM-20643-6RB#0-1.088



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	847.682 MHz	-11.82 dBm		
T1		1	847.75455 MHz	8.77 dBm	Occ Bw	1.087912088 MHz
T2		1	848.84246 MHz	7.07 dBm		
M2		1	847.907 MHz	14.98 dBm		
D3	M1	1	1.236 MHz	0.02 dB		

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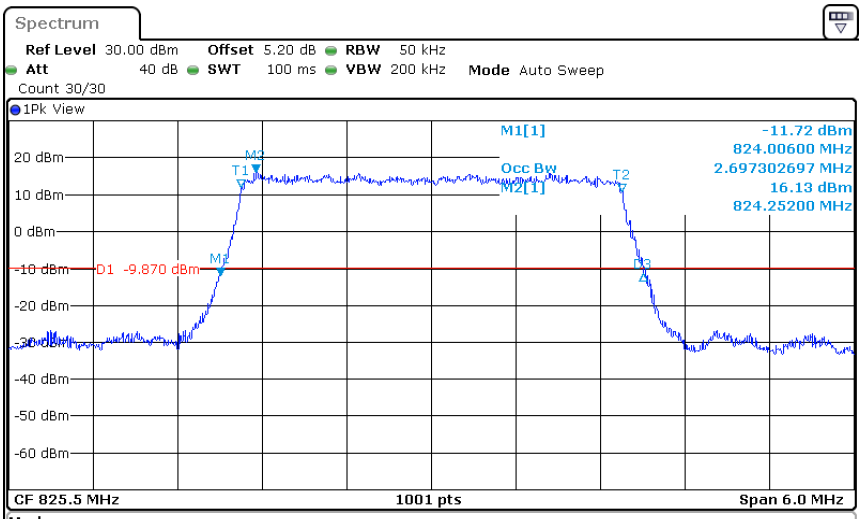
Band5-3MHz-QPSK-20415-15RB#0-2.697



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	824.006 MHz	-11.72 dBm		
T1		1	824.15135 MHz	12.11 dBm	Occ Bw	2.697302697 MHz
T2		1	826.84865 MHz	10.94 dBm		
M2		1	824.252 MHz	16.13 dBm		
D3	M1	1	3.0 MHz	0.43 dB		

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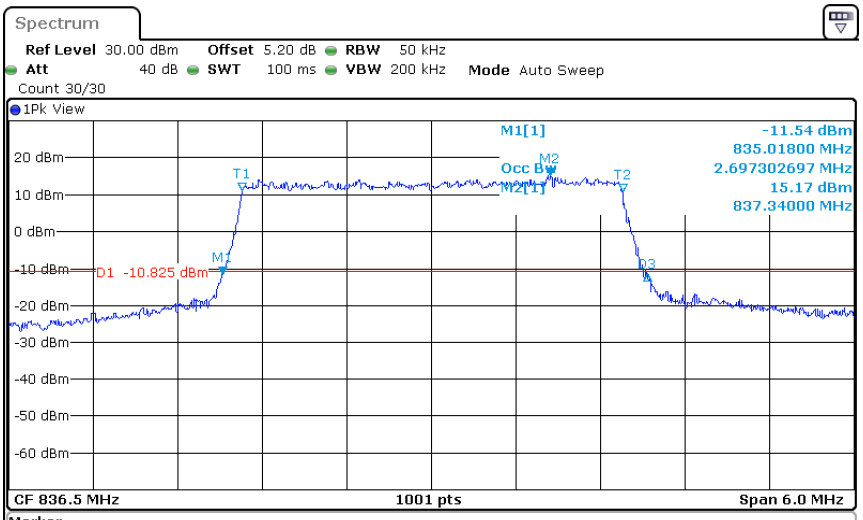
Band5-3MHz-QPSK-20525-15RB#0-2.697



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	835.018 MHz	-11.54 dBm		
T1		1	835.15734 MHz	11.02 dBm	Occ Bw	2.697302697 MHz
T2		1	837.85465 MHz	10.95 dBm		
M2		1	837.34 MHz	15.17 dBm		
D3	M1	1	3.012 MHz	0.39 dB		

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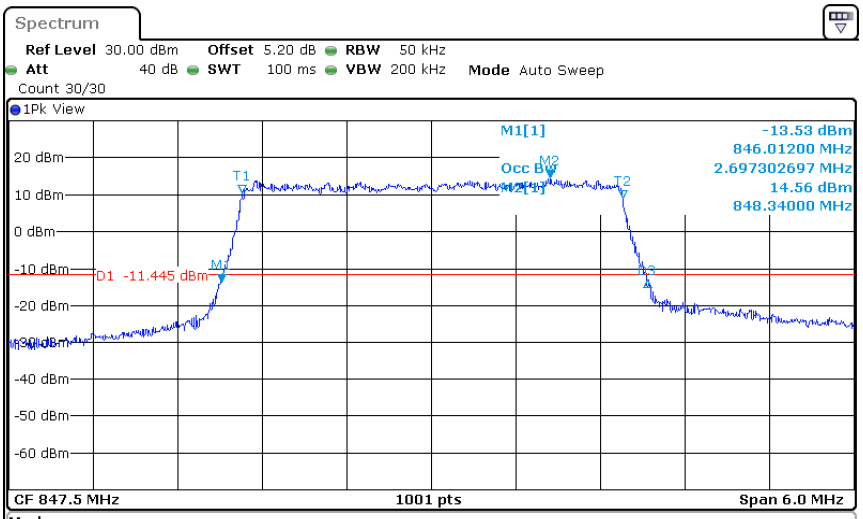
Band5-3MHz-QPSK-20635-15RB#0-2.697



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	846.012 MHz	-13.53 dBm		
T1		1	846.15734 MHz	10.43 dBm	Occ Bw	2.697302697 MHz
T2		1	848.85465 MHz	9.09 dBm		
M2		1	848.34 MHz	14.56 dBm		
D3	M1	1	3.018 MHz	0.38 dB		

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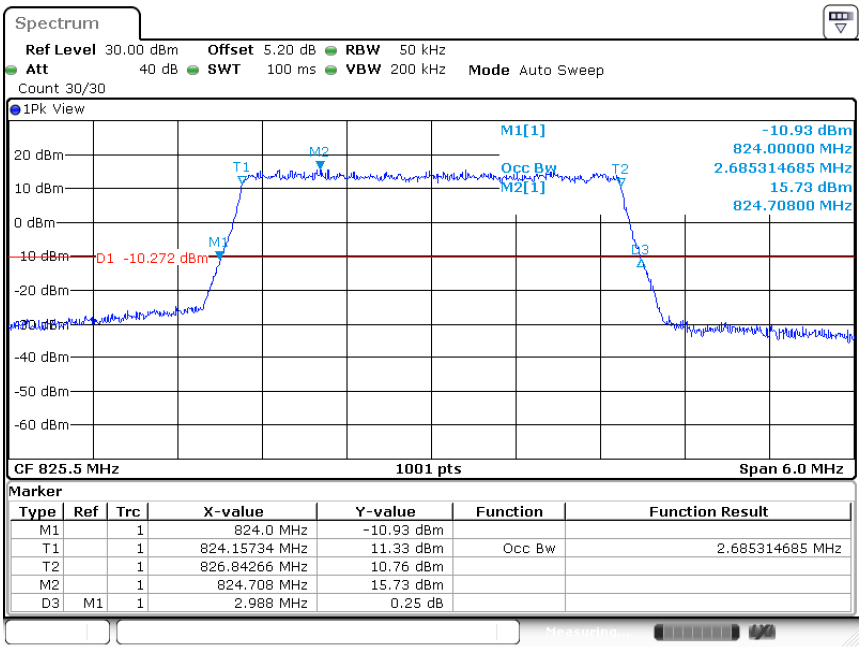
Band5-3MHz-64QAM-20415-15RB#0-2.685



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	824.0 MHz	-10.93 dBm		
T1		1	824.15734 MHz	11.33 dBm	Occ Bw	2.685314685 MHz
T2		1	826.84266 MHz	10.76 dBm		
M2		1	824.708 MHz	15.73 dBm		
D3	M1	1	2.988 MHz	0.25 dB		

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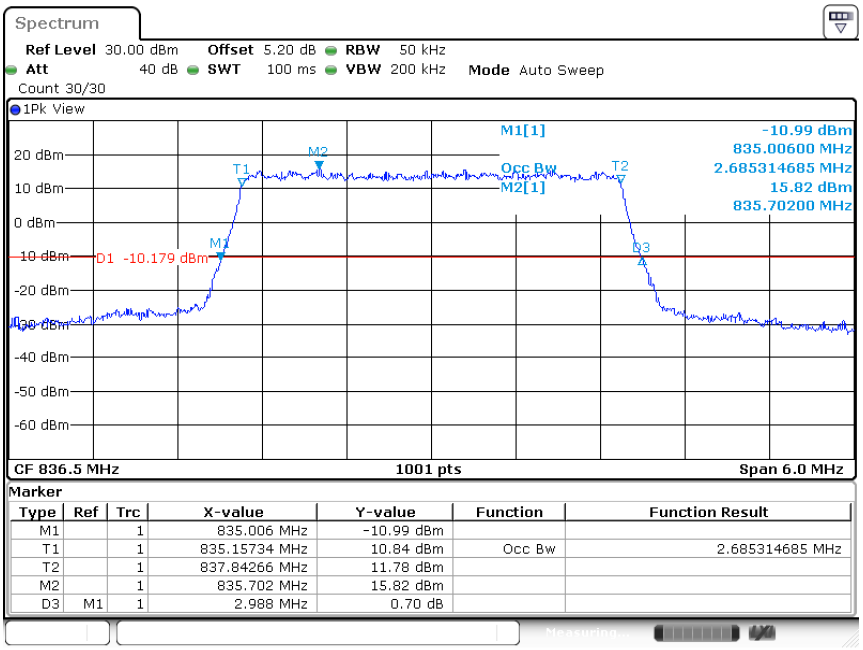
Band5-3MHz-64QAM-20525-15RB#0-2.685



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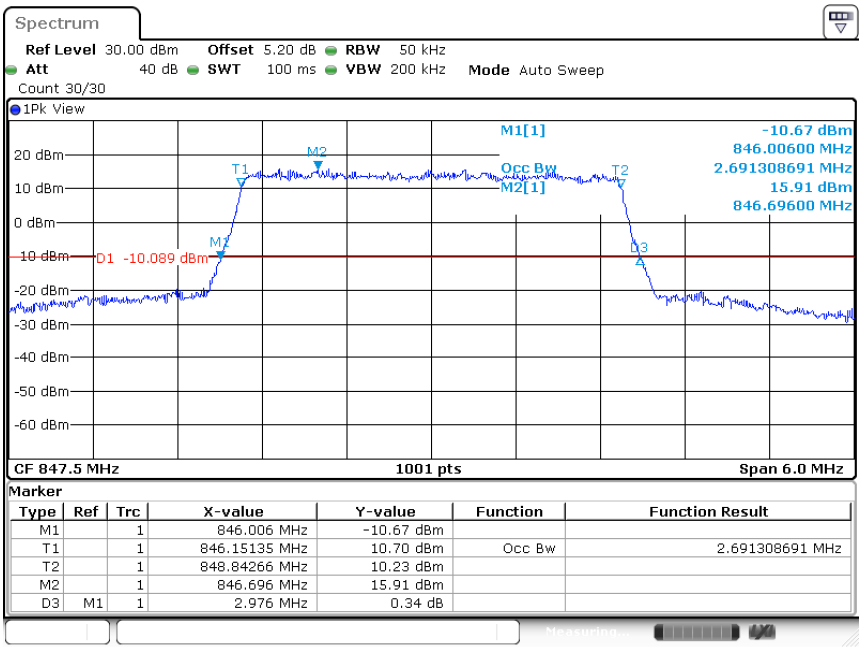
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	835.006 MHz	-10.99 dBm		
T1		1	835.15734 MHz	10.84 dBm	Occ Bw	2.685314685 MHz
T2		1	837.84266 MHz	11.78 dBm		
M2		1	835.702 MHz	15.82 dBm		
D3	M1	1	2.988 MHz	0.70 dB		

Date: 10.AUG.2020 23:45:37

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



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	846.006 MHz	-10.67 dBm		
T1		1	846.15135 MHz	10.70 dBm	Occ Bw	2.691308691 MHz
T2		1	848.84266 MHz	10.23 dBm		
M2		1	846.696 MHz	15.91 dBm		
D3	M1	1	2.976 MHz	0.34 dB		

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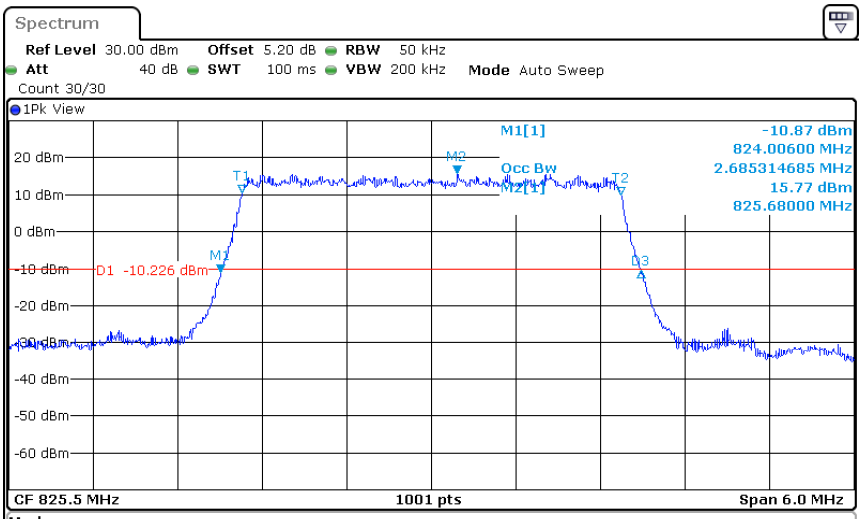
Band5-3MHz-16QAM-20415-15RB#0-2.685



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	824.006 MHz	-10.87 dBm		
T1		1	824.15734 MHz	10.57 dBm	Occ Bw	2.685314685 MHz
T2		1	826.84266 MHz	9.93 dBm		
M2		1	825.68 MHz	15.77 dBm		
D3	M1	1	2.982 MHz	0.39 dB		

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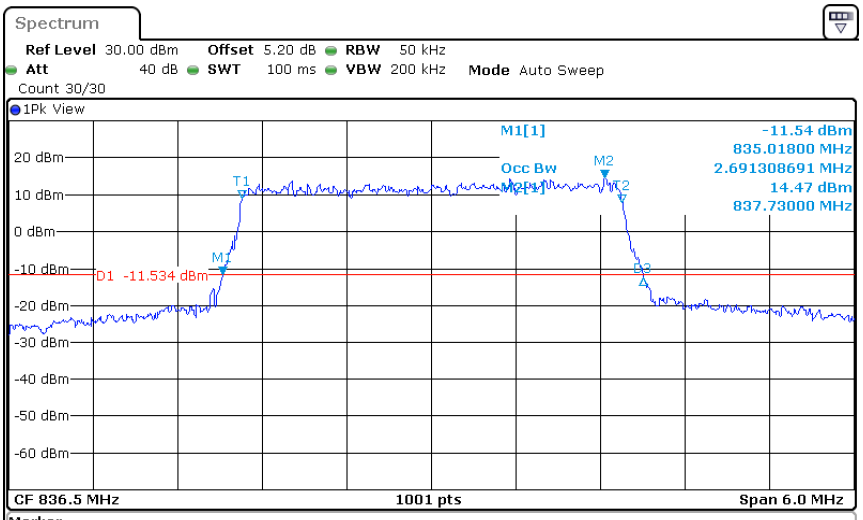
Band5-3MHz-16QAM-20525-15RB#0-2.691



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	835.018 MHz	-11.54 dBm		
T1		1	835.15734 MHz	9.05 dBm	Occ Bw	2.691308691 MHz
T2		1	837.84865 MHz	7.94 dBm		
M2		1	837.73 MHz	14.47 dBm		
D3	M1	1	2.988 MHz	-0.82 dB		

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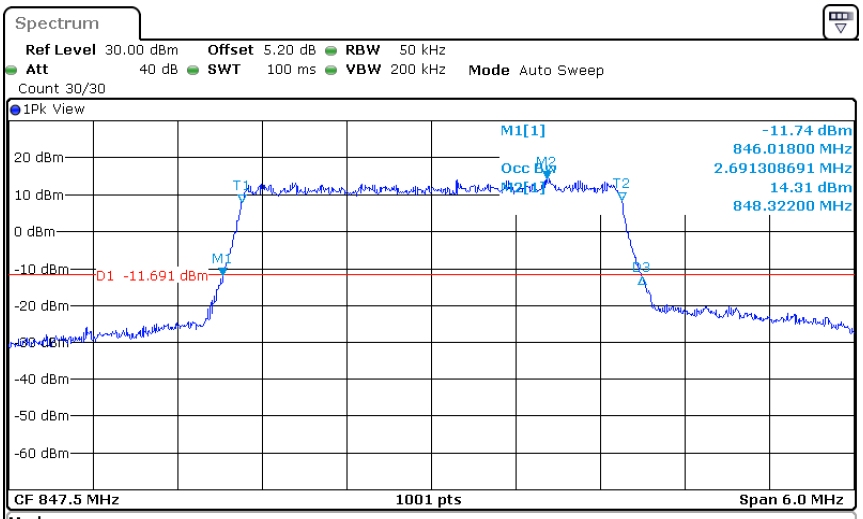

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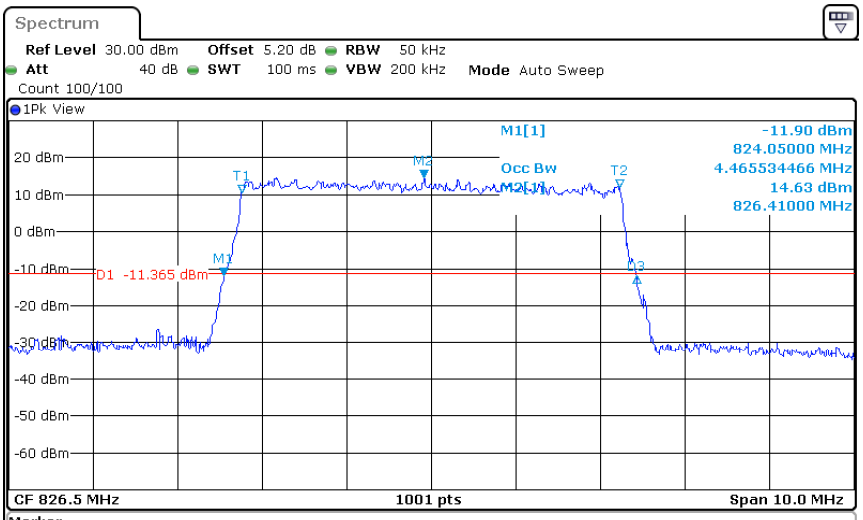
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	846.018 MHz	-11.74 dBm		
T1		1	846.15734 MHz	7.92 dBm	Occ Bw	2.691308691 MHz
T2		1	848.84865 MHz	8.35 dBm		
M2		1	848.322 MHz	14.31 dBm		
D3	M1	1	2.976 MHz	-0.53 dB		

Date: 15.JUL.2020 16:40:40

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



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	824.05 MHz	-11.90 dBm		
T1		1	824.26224 MHz	10.64 dBm	Occ Bw	4.465534466 MHz
T2		1	828.72777 MHz	11.85 dBm		
M2		1	826.41 MHz	14.63 dBm		
D3	M1	1	4.88 MHz	0.17 dB		

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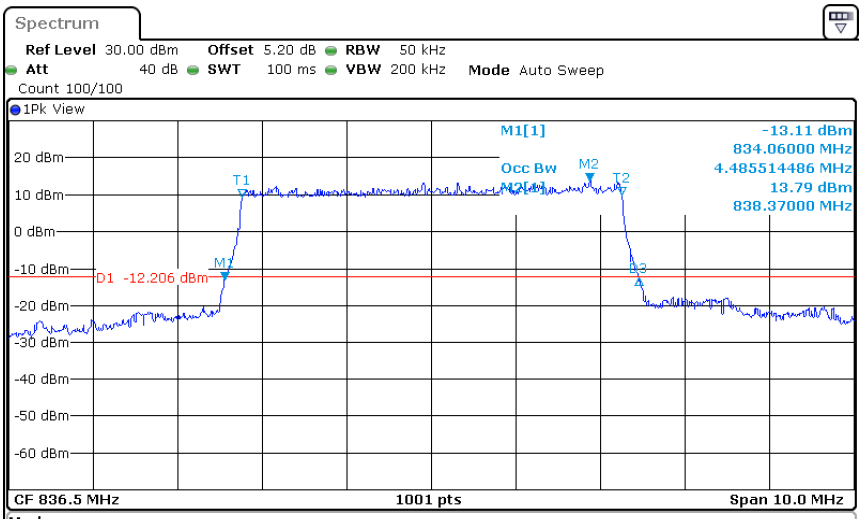
Band5-5MHz-QPSK-20525-25RB#0-4.486



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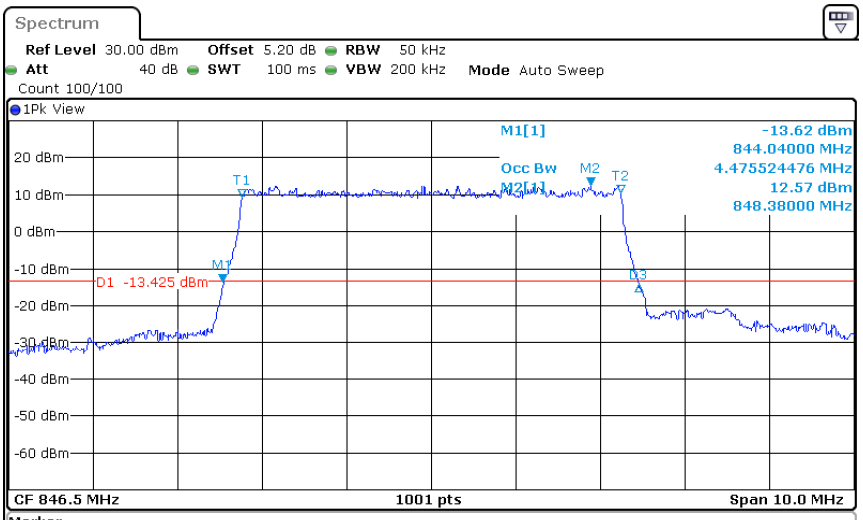
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	834.06 MHz	-13.11 dBm		
T1		1	834.26224 MHz	9.39 dBm	Occ Bw	4.485514486 MHz
T2		1	838.74775 MHz	10.01 dBm		
M2		1	838.37 MHz	13.79 dBm		
D3	M1	1	4.89 MHz	0.58 dB		

Date: 15.JUL.2020 16:41:44

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



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	844.04 MHz	-13.62 dBm		
T1		1	844.26224 MHz	9.38 dBm	Occ Bw	4.475524476 MHz
T2		1	848.73776 MHz	10.47 dBm		
M2		1	848.38 MHz	12.57 dBm		
D3	M1	1	4.91 MHz	-0.43 dB		

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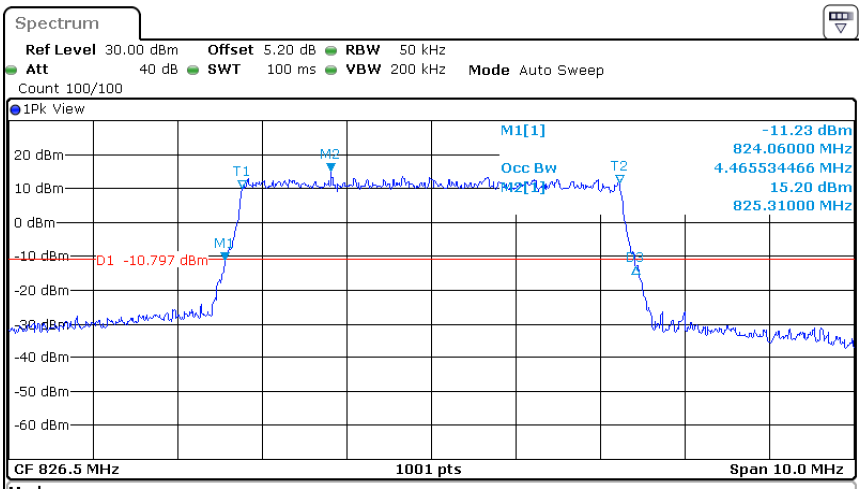
Band5-5MHz-64QAM-20425-25RB#0-4.466

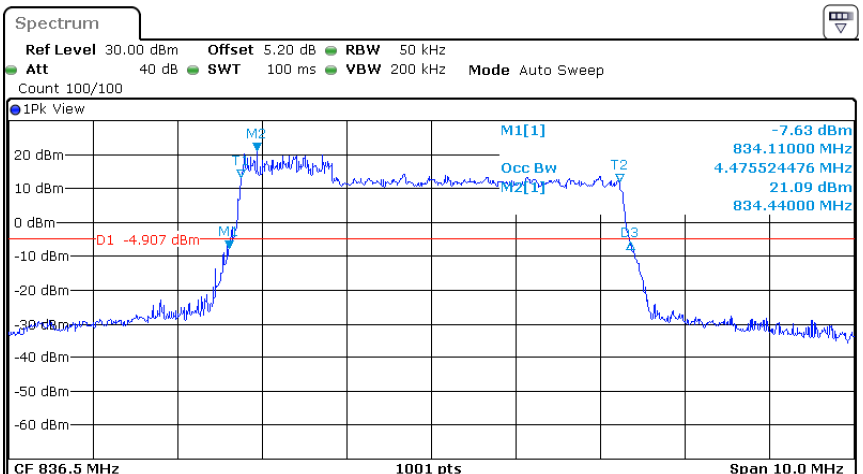


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	824.06 MHz	-11.23 dBm		
T1		1	824.26224 MHz	10.02 dBm	Occ Bw	4.465534466 MHz
T2		1	828.72777 MHz	11.58 dBm		
M2		1	825.31 MHz	15.20 dBm		
D3	M1	1	4.86 MHz	-1.70 dB		

Date: 10.AUG.2020 23:46:17

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



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	834.11 MHz	-7.63 dBm		
T1		1	834.25225 MHz	13.29 dBm	Occ Bw	4.475524476 MHz
T2		1	838.72777 MHz	11.87 dBm		
M2		1	834.44 MHz	21.09 dBm		
D3	M1	1	4.74 MHz	1.92 dB		

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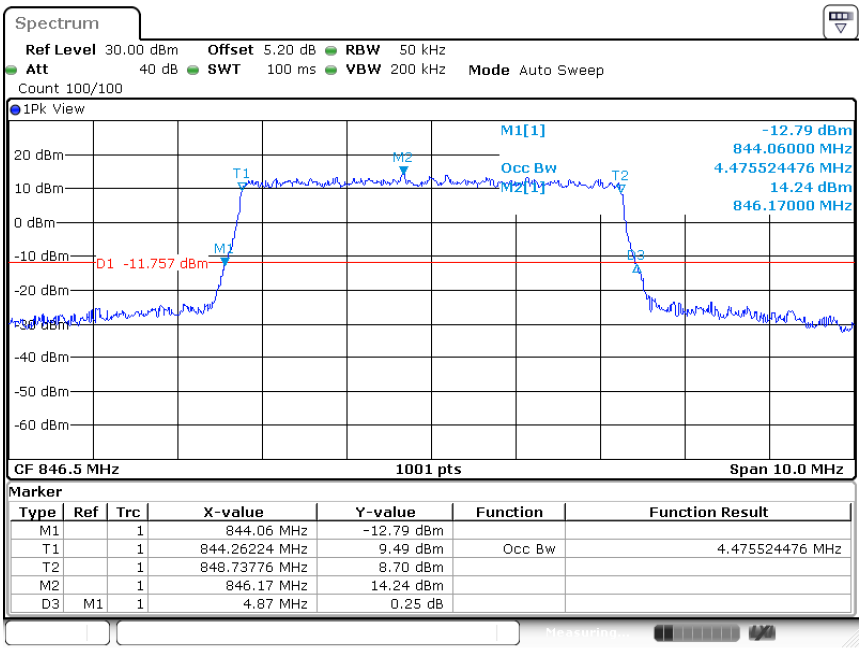
Band5-5MHz-64QAM-20625-25RB#0-4.476



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	844.06 MHz	-12.79 dBm		
T1		1	844.26224 MHz	9.49 dBm	Occ Bw	4.475524476 MHz
T2		1	848.73776 MHz	8.70 dBm		
M2		1	846.17 MHz	14.24 dBm		
D3	M1	1	4.87 MHz	0.25 dB		

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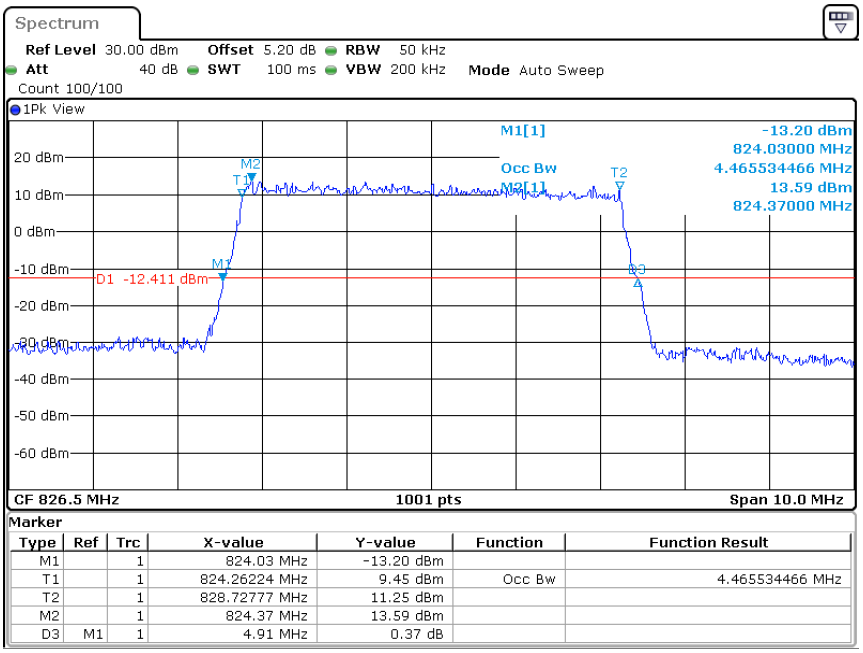
Band5-5MHz-16QAM-20425-25RB#0-4.466



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	824.03 MHz	-13.20 dBm		
T1		1	824.26224 MHz	9.45 dBm	Occ Bw	4.465534466 MHz
T2		1	828.72777 MHz	11.25 dBm		
M2		1	824.37 MHz	13.59 dBm		
D3	M1	1	4.91 MHz	0.37 dB		

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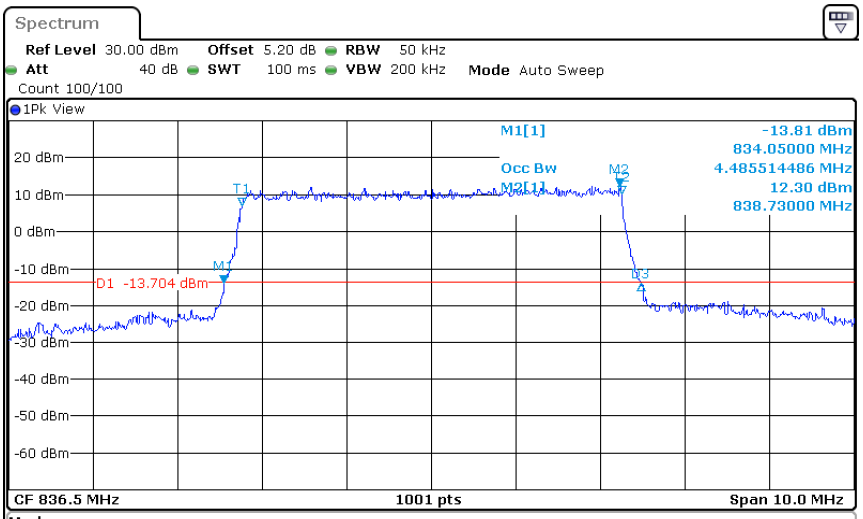
Band5-5MHz-16QAM-20525-25RB#0-4.486



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	834.05 MHz	-13.81 dBm		
T1		1	834.26224 MHz	7.13 dBm	Occ Bw	4.485514486 MHz
T2		1	838.74775 MHz	10.16 dBm		
M2		1	838.73 MHz	12.30 dBm		
D3	M1	1	4.93 MHz	-0.17 dB		

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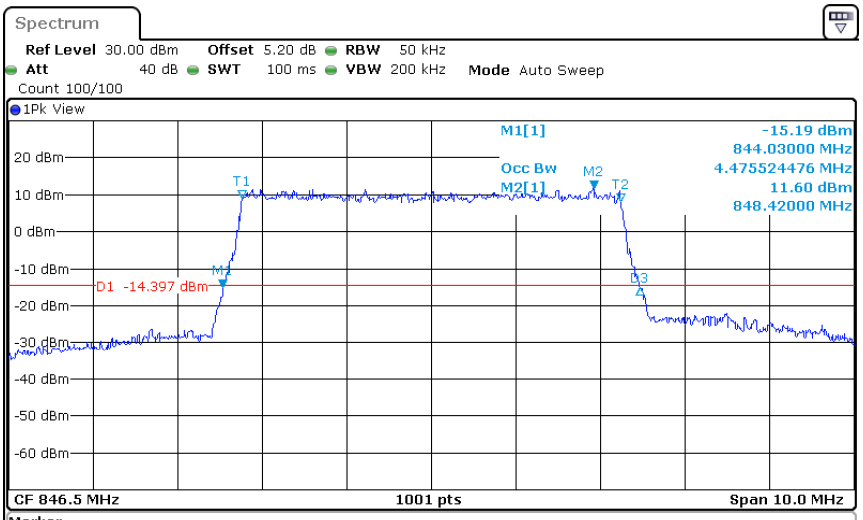
Band5-5MHz-16QAM-20625-25RB#0-4.476



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	844.03 MHz	-15.19 dBm		
T1		1	844.26224 MHz	8.96 dBm	Occ Bw	4.475524476 MHz
T2		1	848.73776 MHz	8.27 dBm		
M2		1	848.42 MHz	11.60 dBm		
D3	M1	1	4.94 MHz	-0.00 dB		

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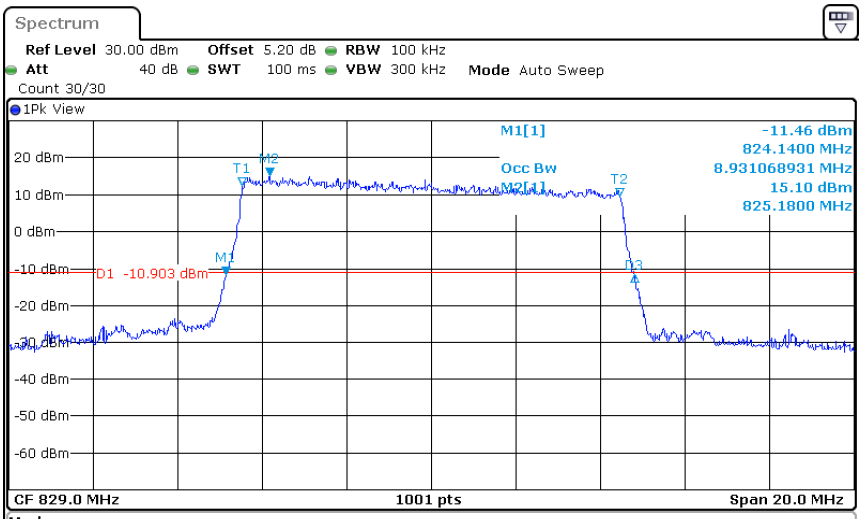
Band5-10MHz-QPSK-20450-50RB#0-8.931



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	824.14 MHz	-11.46 dBm		
T1		1	824.5245 MHz	12.56 dBm	Occ Bw	8.931068931 MHz
T2		1	833.4555 MHz	9.62 dBm		
M2		1	825.18 MHz	15.10 dBm		
D3	M1	1	9.66 MHz	-0.12 dB		

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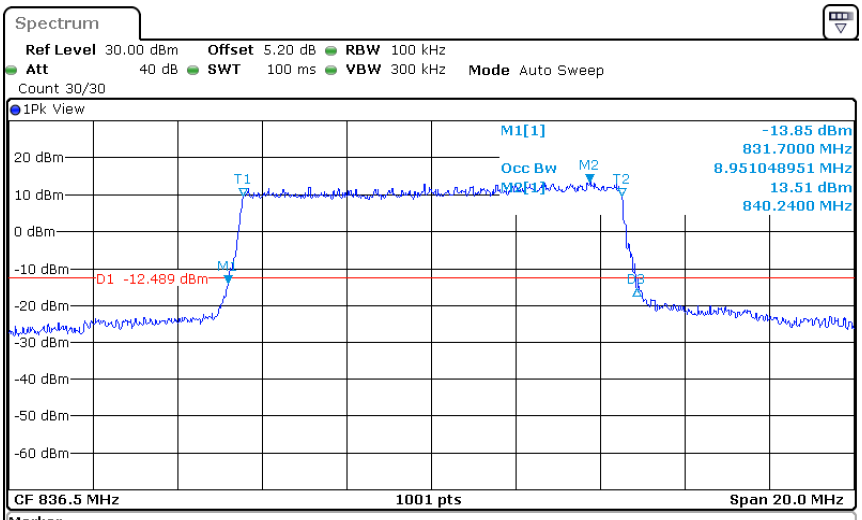
Band5-10MHz-QPSK-20525-50RB#0-8.951



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	831.7 MHz	-13.85 dBm		
T1		1	832.0445 MHz	9.62 dBm	Occ Bw	8.951048951 MHz
T2		1	840.9955 MHz	9.61 dBm		
M2		1	840.24 MHz	13.51 dBm		
D3	M1	1	9.66 MHz	-1.53 dB		

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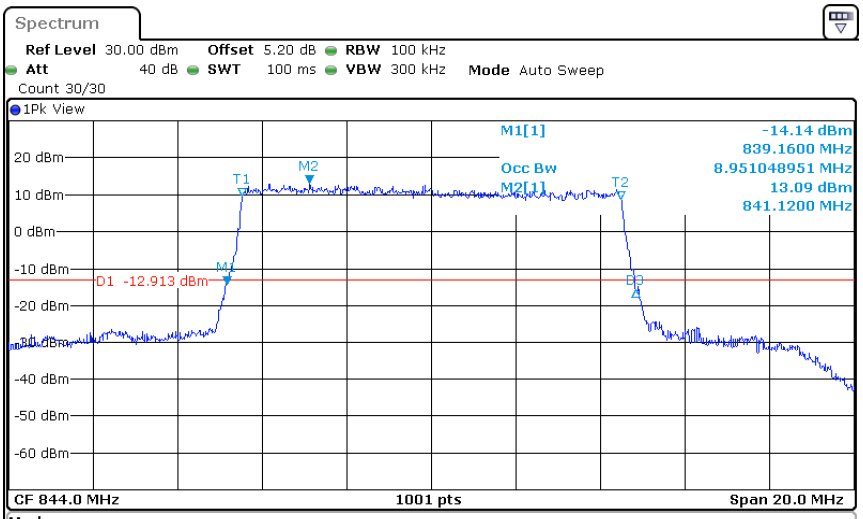
Band5-10MHz-QPSK-20600-50RB#0-8.951



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	839.16 MHz	-14.14 dBm		
T1		1	839.5245 MHz	9.60 dBm	Occ Bw	8.951048951 MHz
T2		1	848.4755 MHz	8.66 dBm		
M2		1	841.12 MHz	13.09 dBm		
D3	M1	1	9.68 MHz	-1.54 dB		

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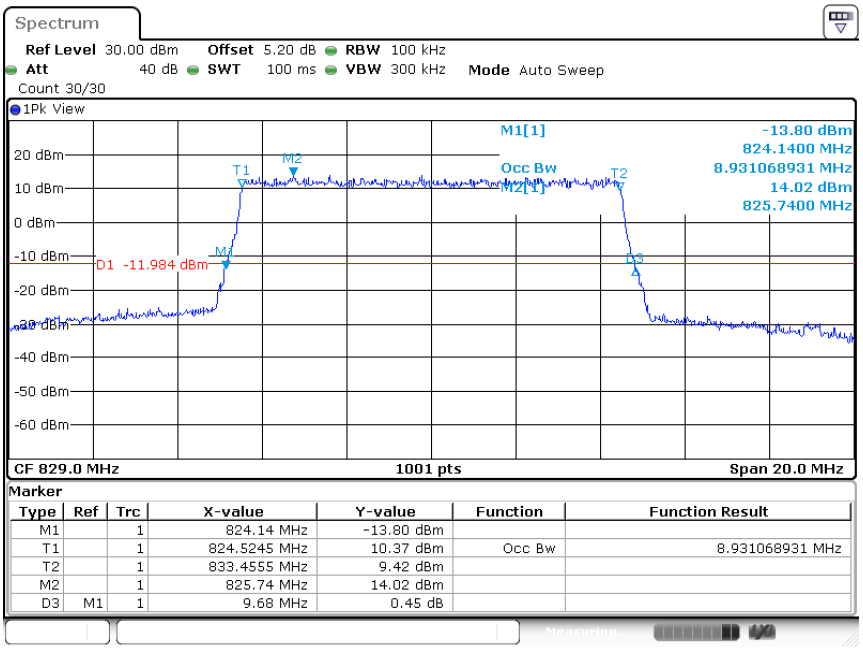
Band5-10MHz-64QAM-20450-50RB#0-8.931



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	824.14 MHz	-13.80 dBm		
T1		1	824.5245 MHz	10.37 dBm	Occ Bw	8.931068931 MHz
T2		1	833.4555 MHz	9.42 dBm		
M2		1	825.74 MHz	14.02 dBm		
D3	M1	1	9.68 MHz	0.45 dB		

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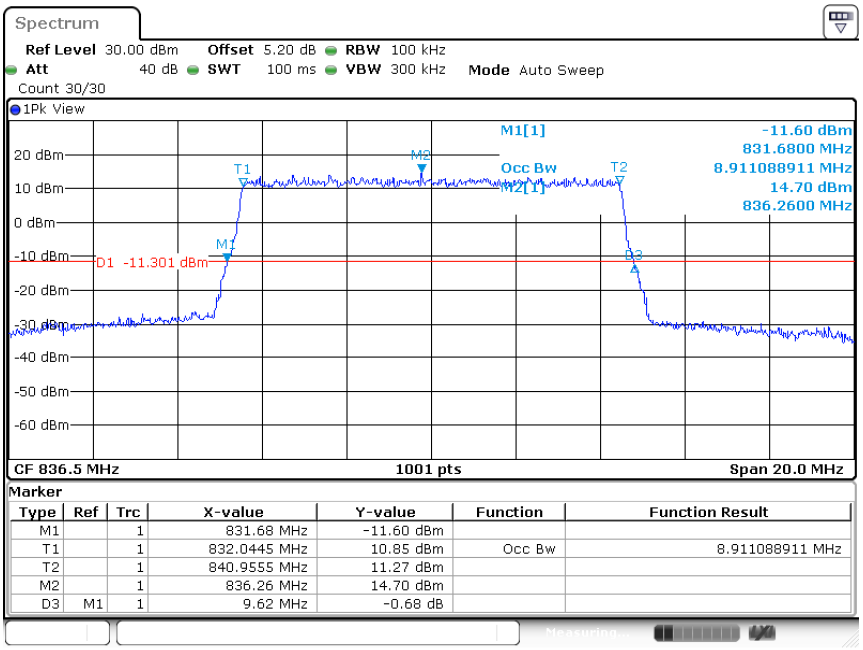
Band5-10MHz-64QAM-20525-50RB#0-8.911



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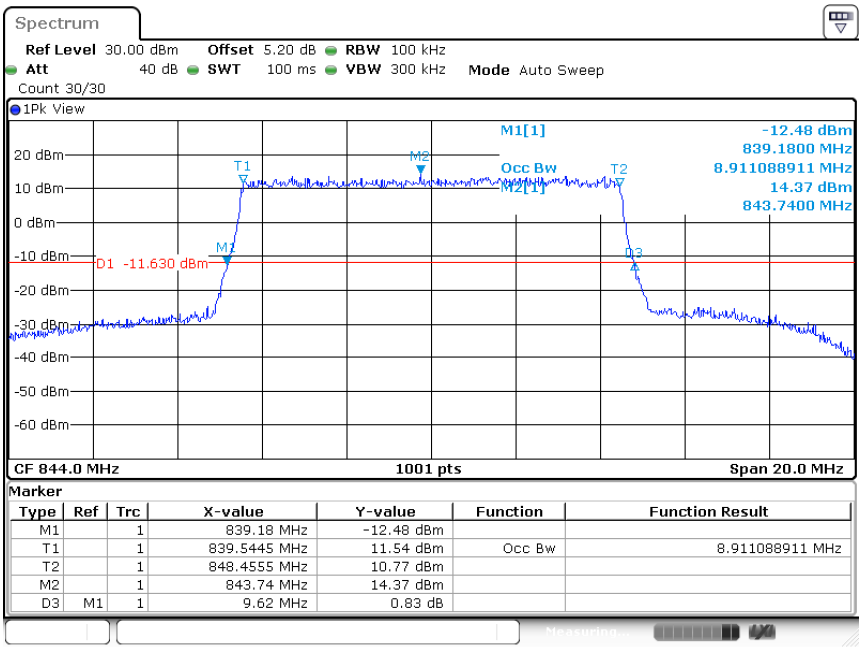
Band5-10MHz-64QAM-20600-50RB#0-8.911



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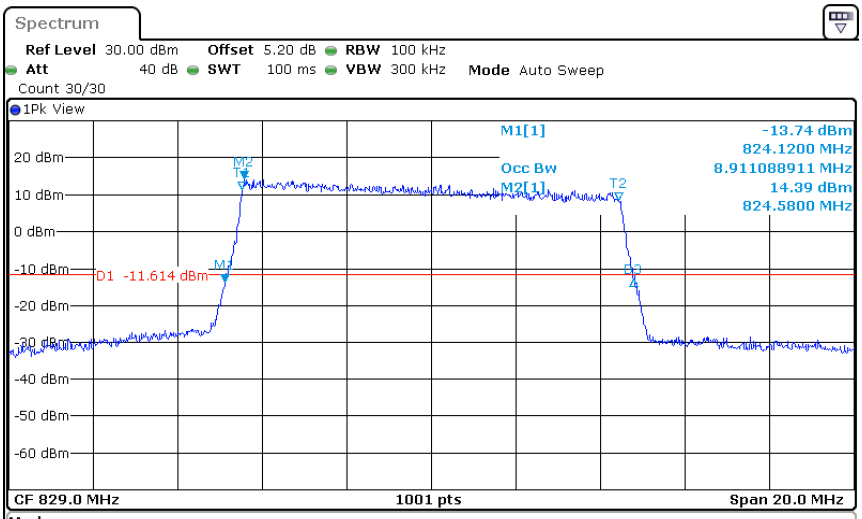
Band5-10MHz-16QAM-20450-50RB#0-8.911



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	824.12 MHz	-13.74 dBm		
T1		1	824.5245 MHz	11.45 dBm	Occ Bw	8.911088911 MHz
T2		1	833.4356 MHz	8.57 dBm		
M2		1	824.58 MHz	14.39 dBm		
D3	M1	1	9.66 MHz	0.96 dB		

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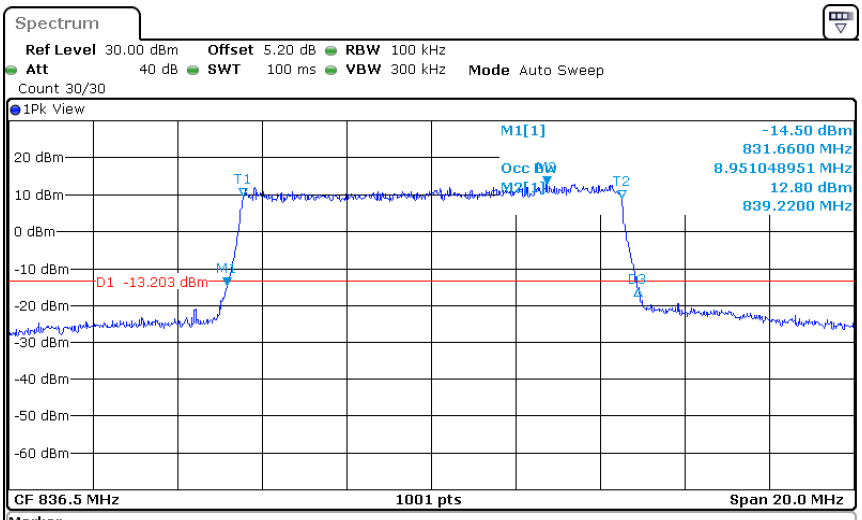
Band5-10MHz-16QAM-20525-50RB#0-8.951



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	831.66 MHz	-14.50 dBm		
T1		1	832.0445 MHz	9.78 dBm	Occ Bw	8.951048951 MHz
T2		1	840.9955 MHz	9.08 dBm		
M2		1	839.22 MHz	12.80 dBm		
D3	M1	1	9.72 MHz	-0.77 dB		

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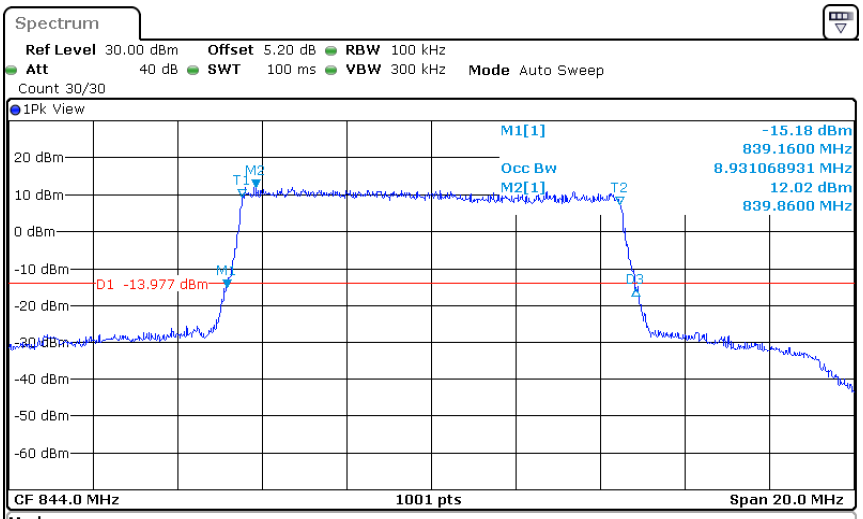
Band5-10MHz-16QAM-20600-50RB#0-8.931



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	839.16 MHz	-15.18 dBm		
T1		1	839.5245 MHz	9.41 dBm	Occ Bw	8.931068931 MHz
T2		1	848.4555 MHz	7.28 dBm		
M2		1	839.86 MHz	12.02 dBm		
D3	M1	1	9.66 MHz	-0.26 dB		

Date: 15.JUL.2020 16:44:05

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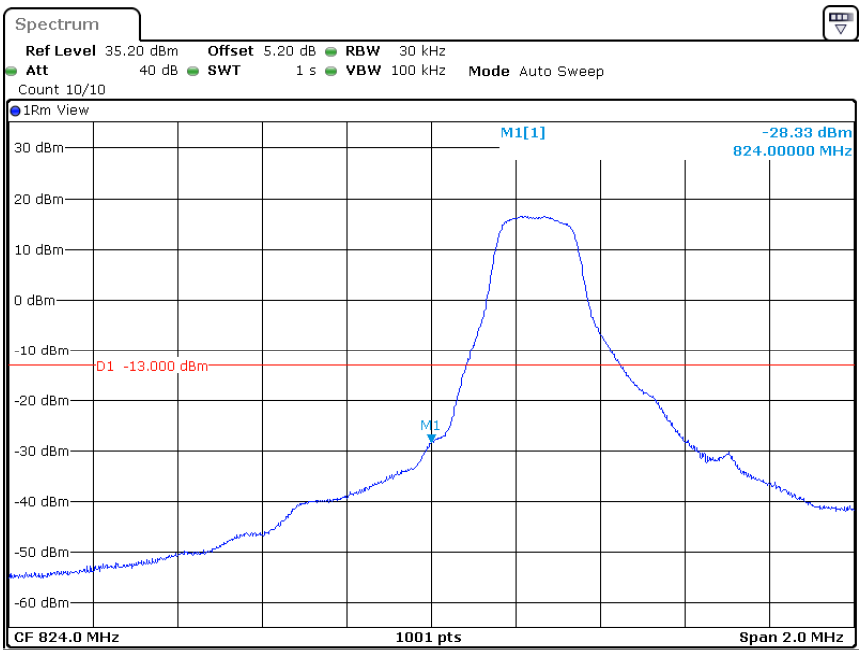
5. Band Edge Compliance

5.1. Test Plots

Band5-1.4MHz-QPSK-20407-1RB#0


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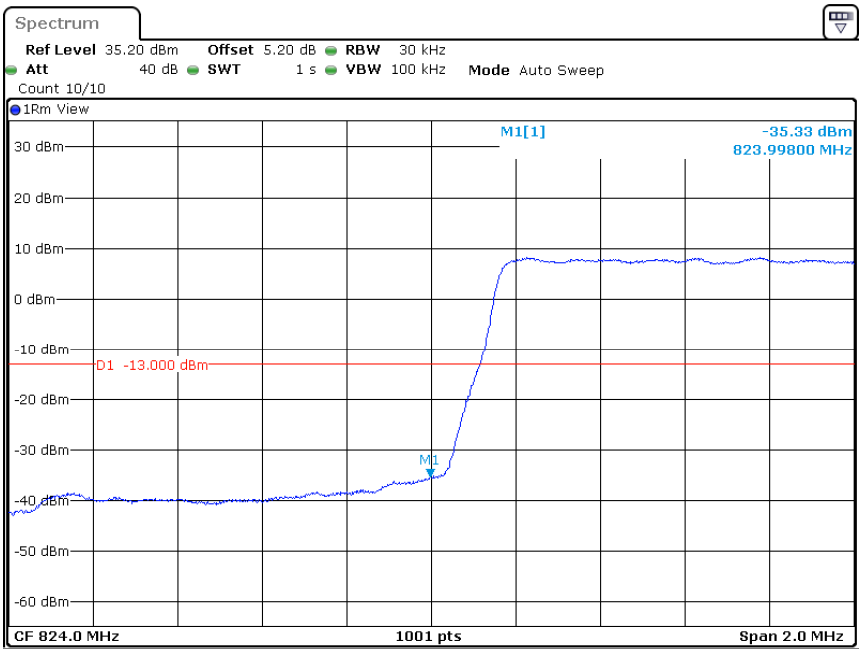
Band5-1.4MHz-QPSK-20407-6RB#0



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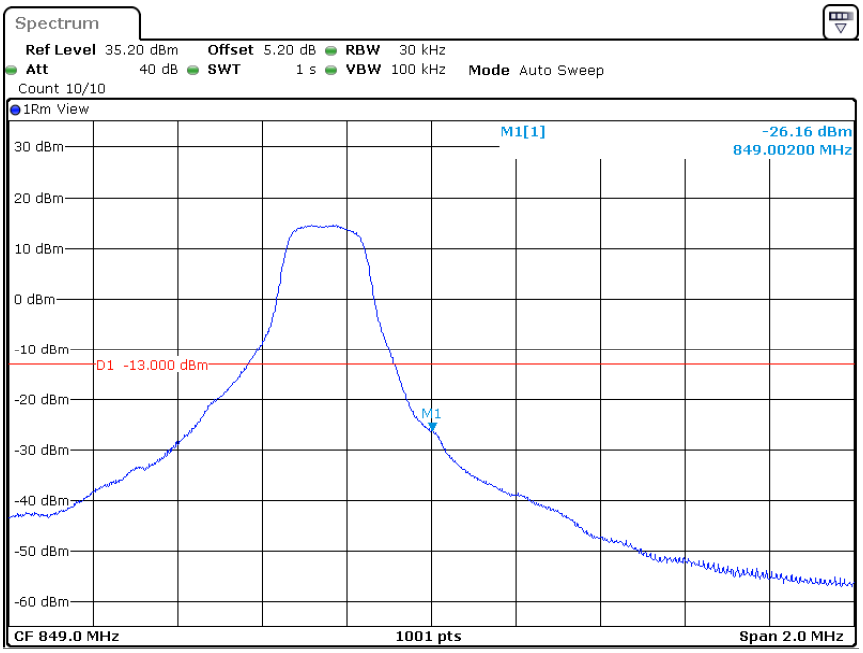
Band5-1.4MHz-QPSK-20643-1RB#5



Date: 15.JUL.2020 16:45:57

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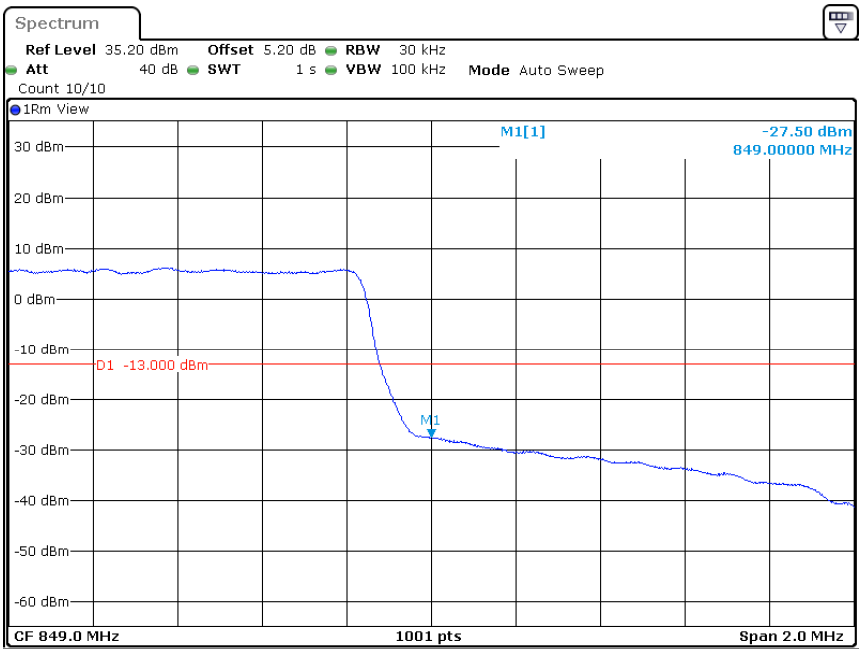

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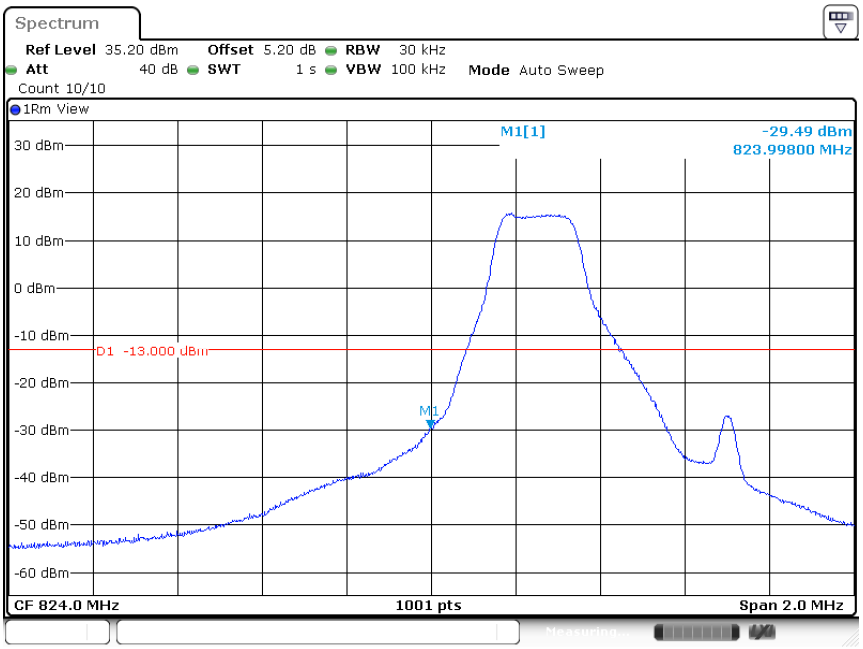
Band5-1.4MHz-64QAM-20407-1RB#0



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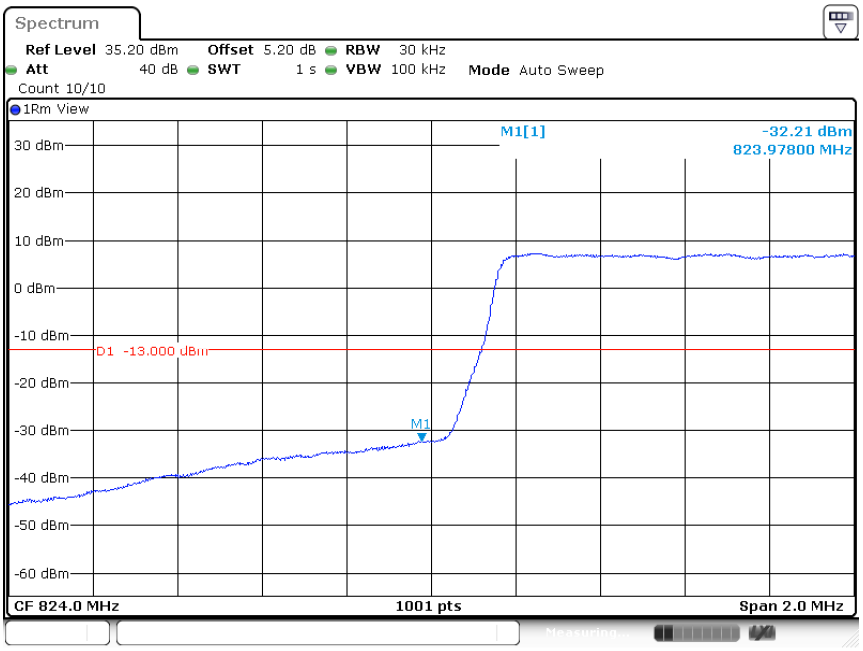

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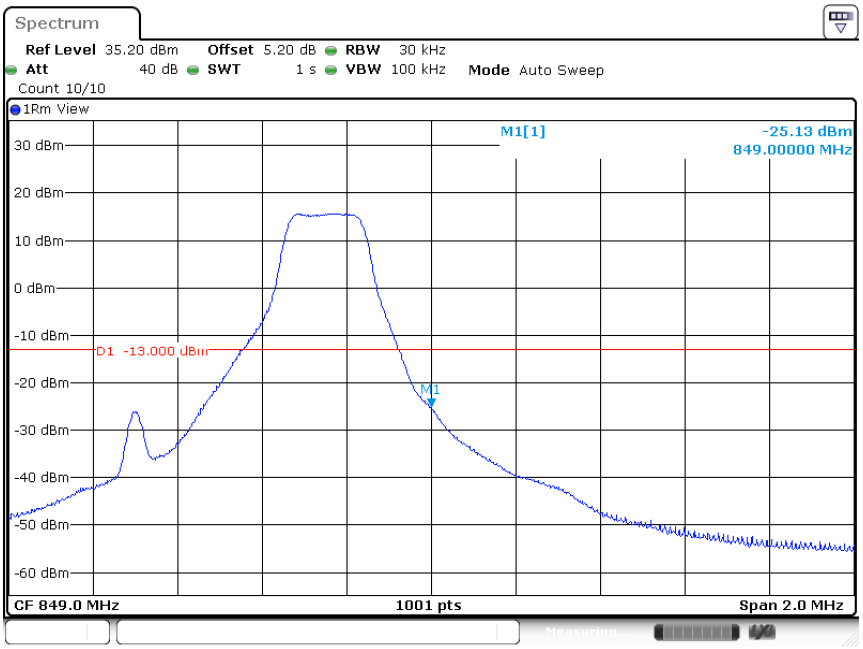
Band5-1.4MHz-64QAM-20643-1RB#5



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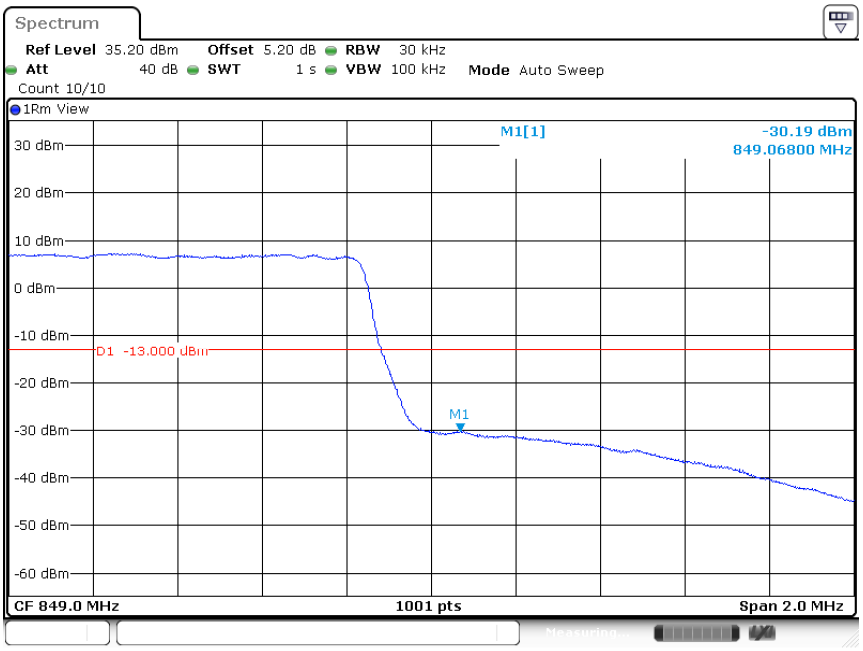

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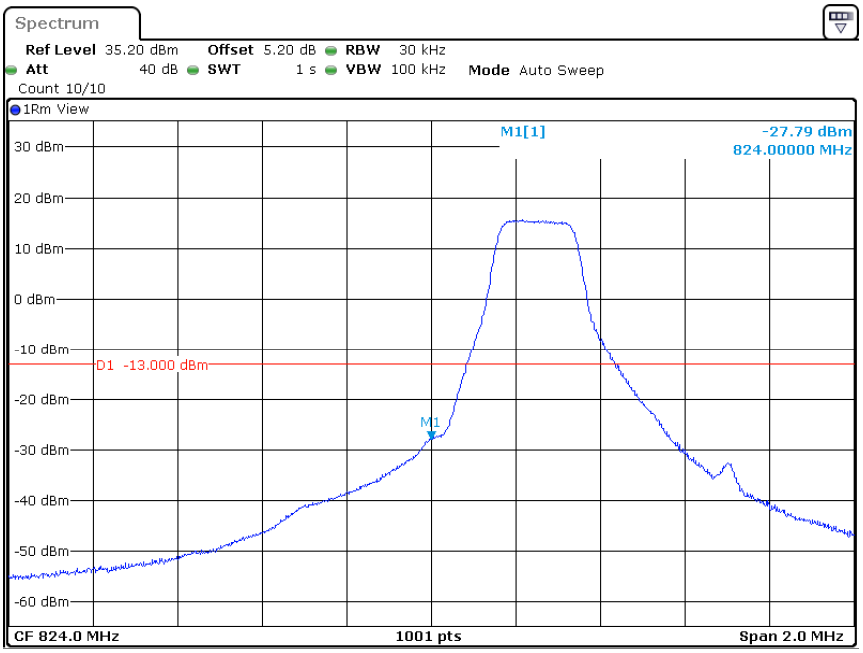
Band5-1.4MHz-16QAM-20407-1RB#0



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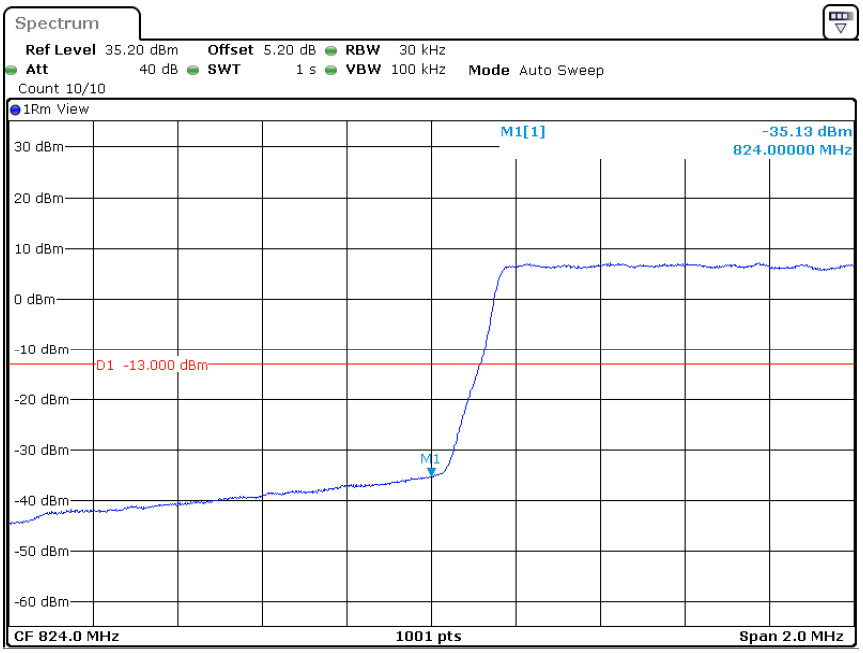

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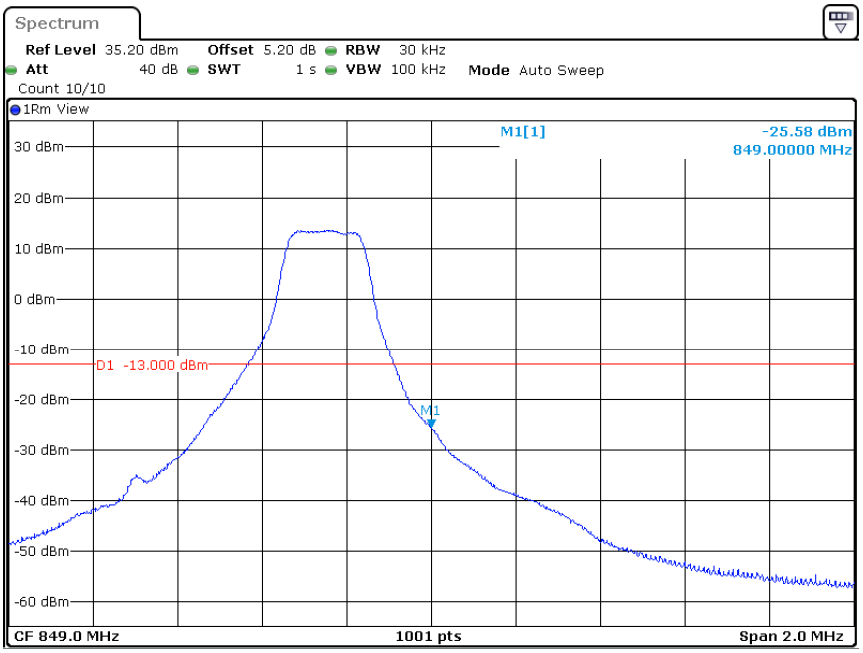
Band5-1.4MHz-16QAM-20643-1RB#5



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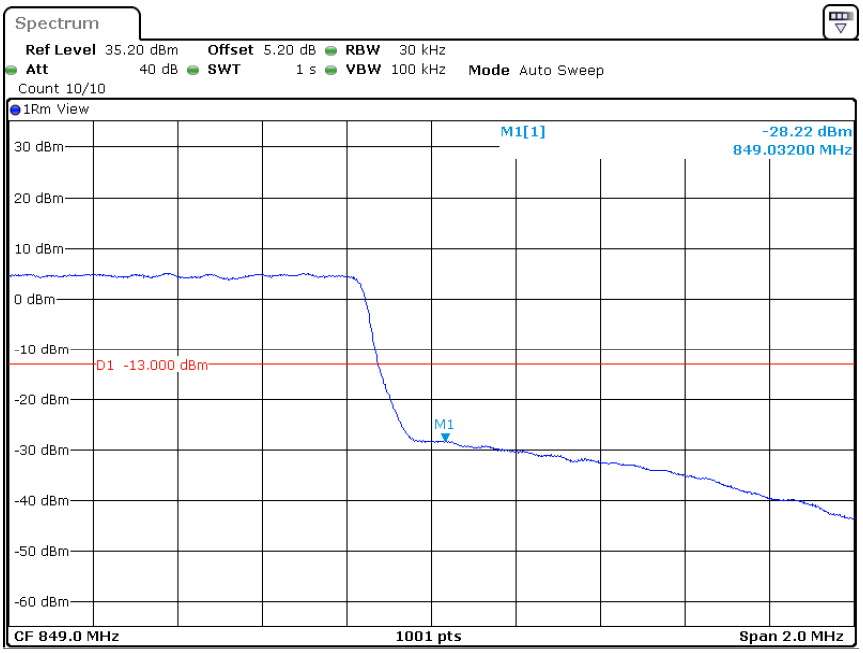

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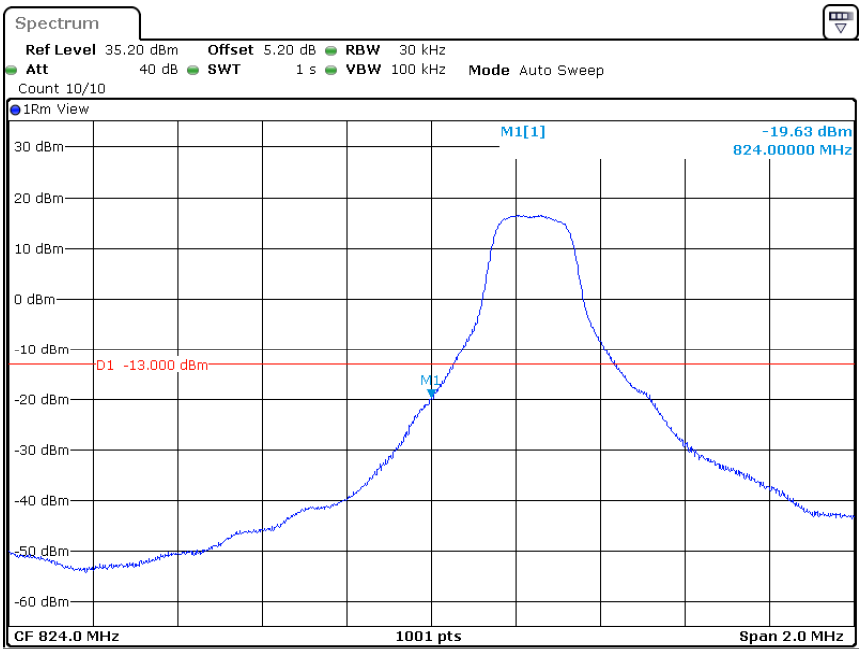
Band5-3MHz-QPSK-20415-1RB#0



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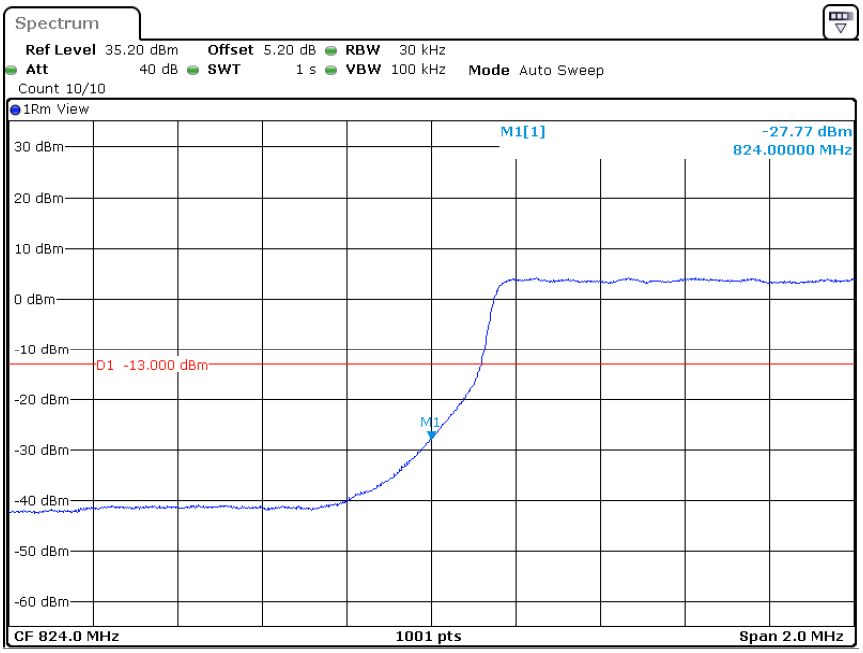
Band5-3MHz-QPSK-20415-15RB#0



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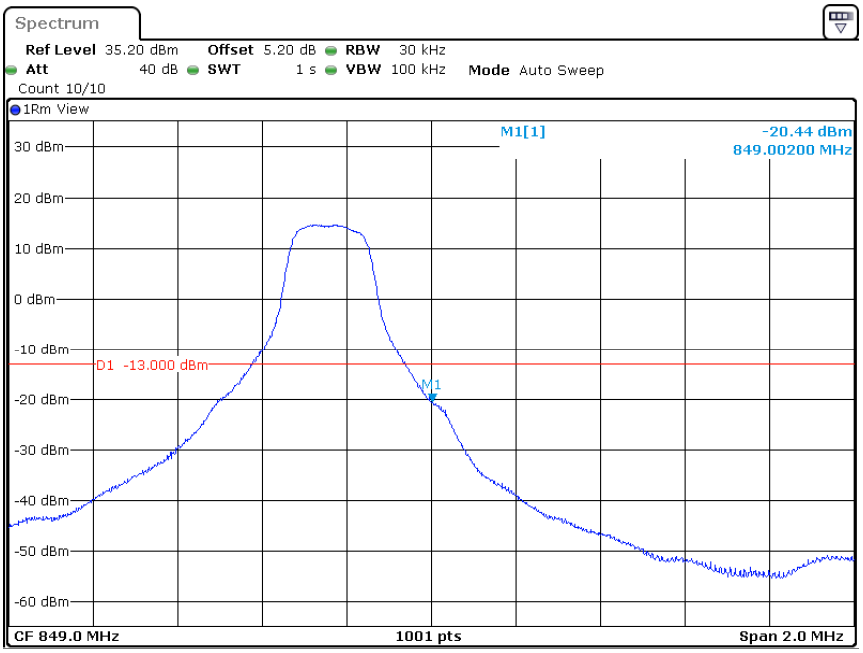
Band5-3MHz-QPSK-20635-1RB#14



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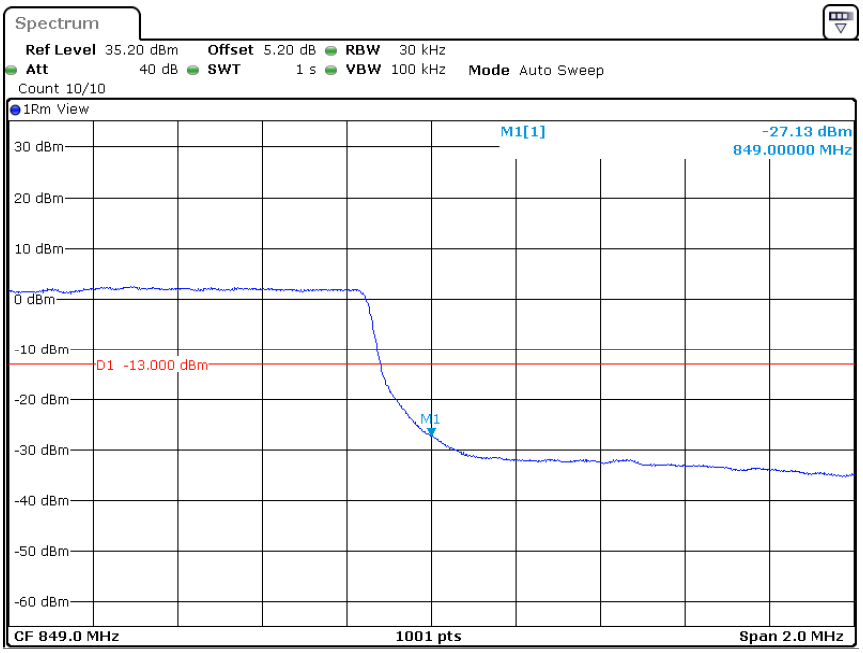

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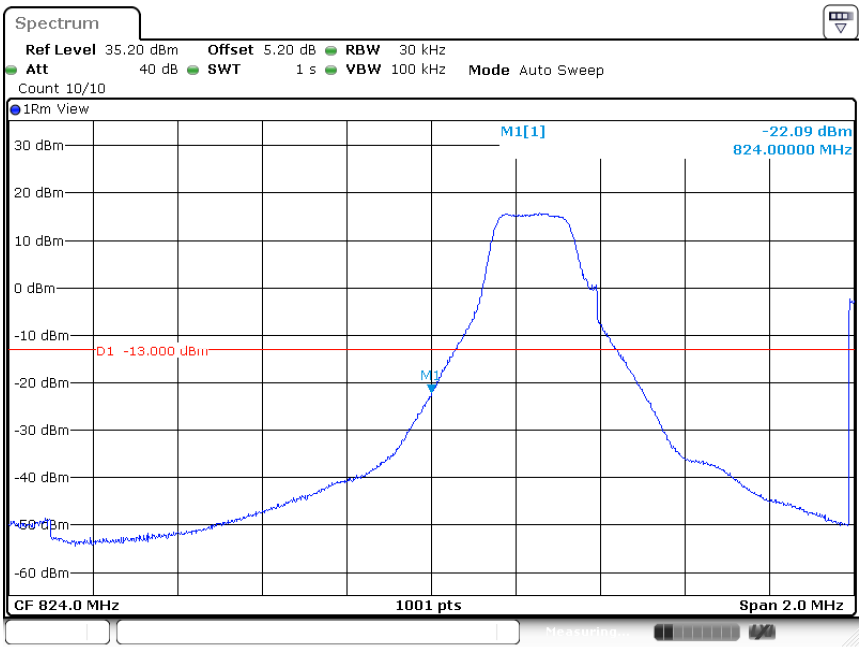
Band5-3MHz-64QAM-20415-1RB#0



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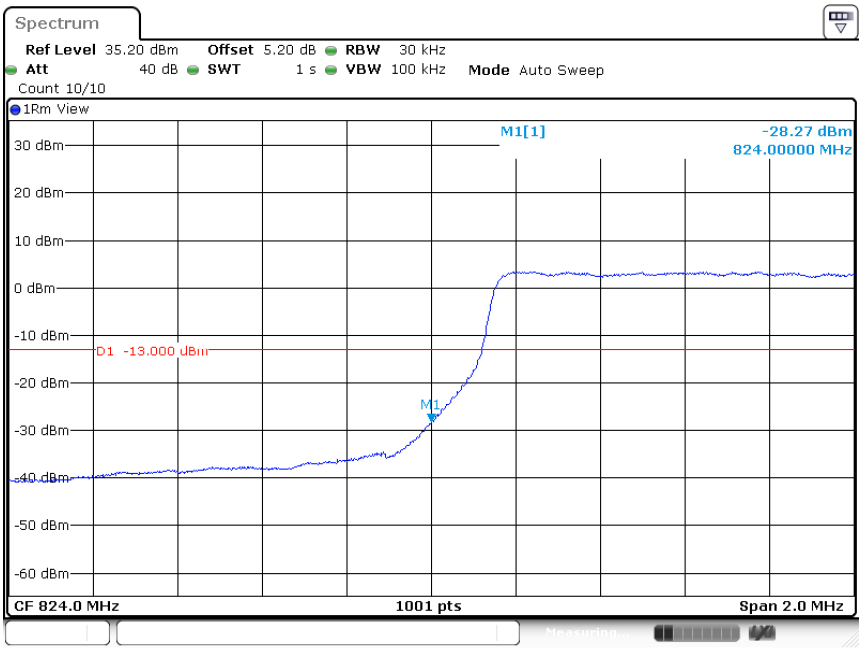

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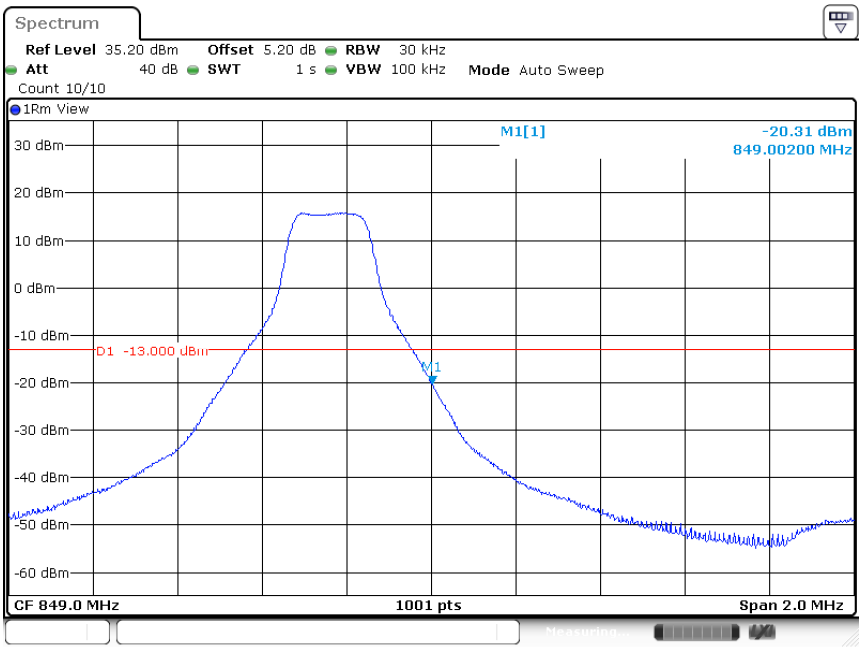
Band5-3MHz-64QAM-20635-1RB#14



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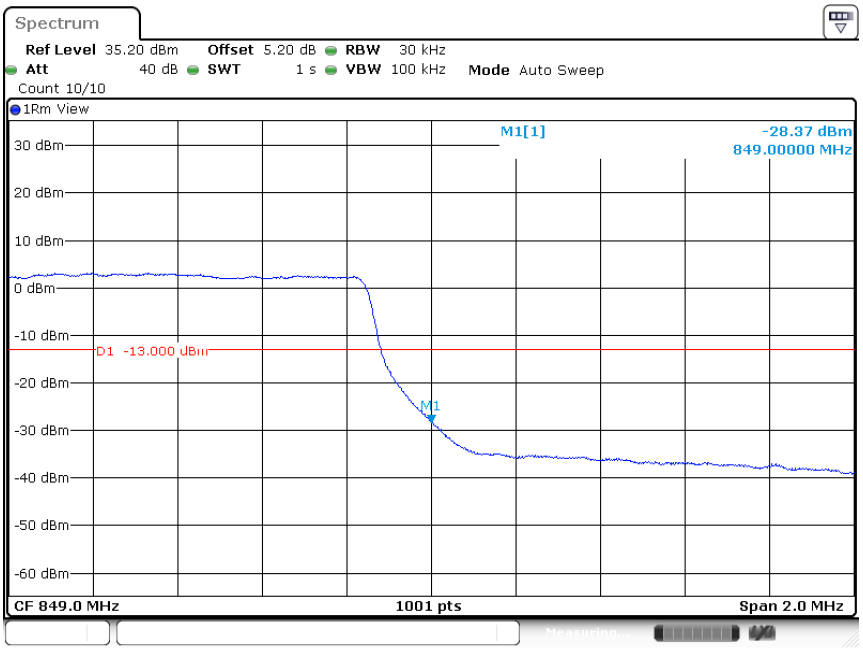
Band5-3MHz-64QAM-20635-15RB#0



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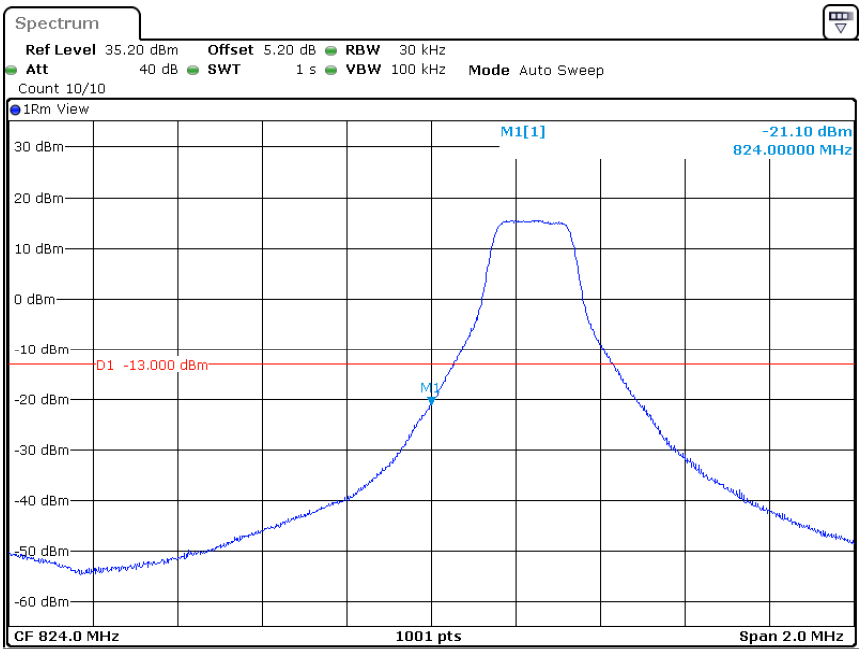
Band5-3MHz-16QAM-20415-1RB#0



Date: 15.JUL.2020 16:47:45

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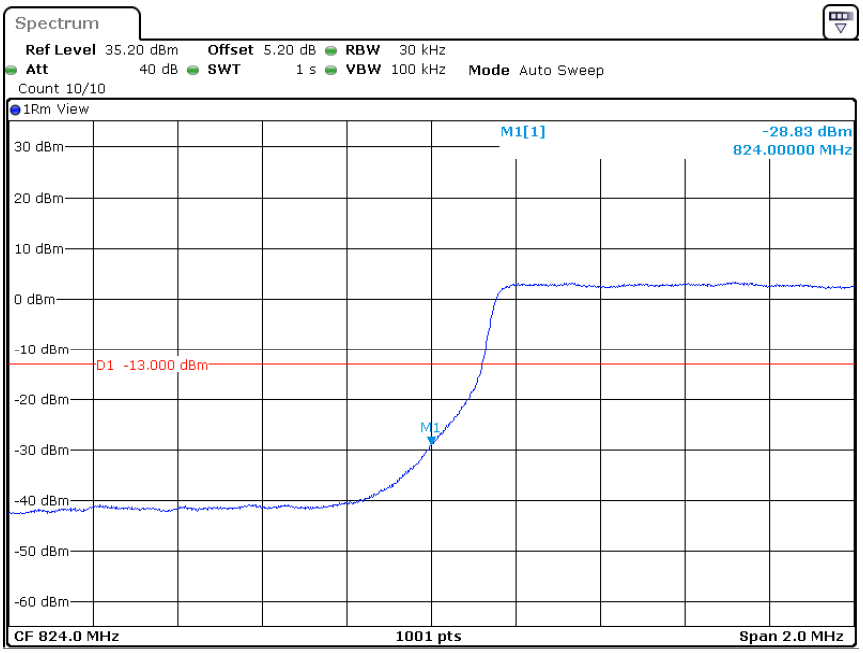

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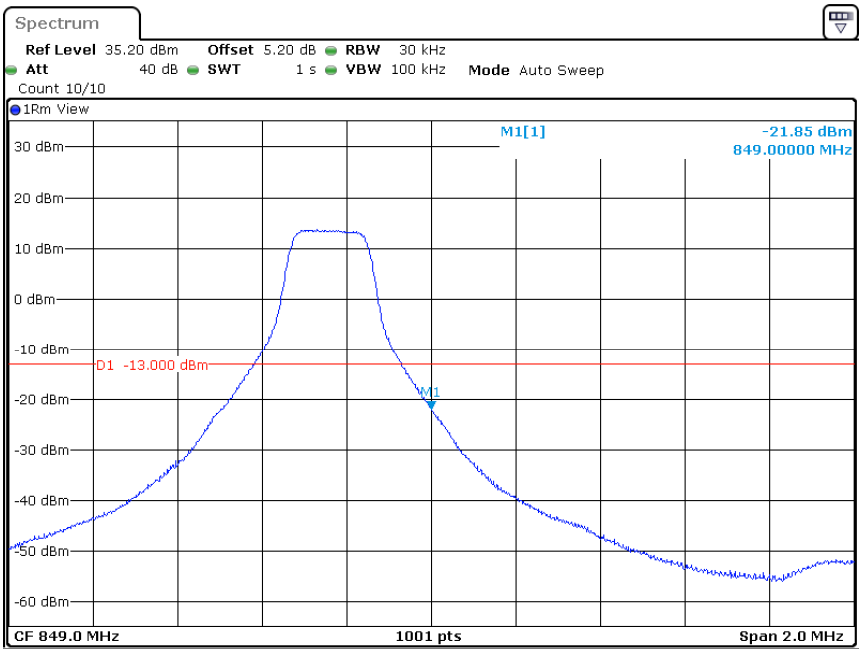
Band5-3MHz-16QAM-20635-1RB#14



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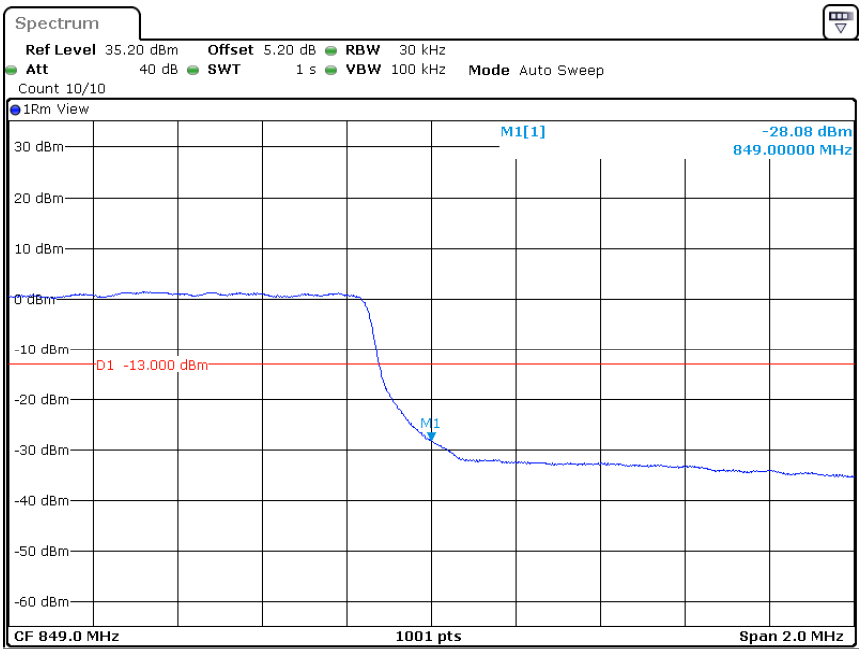

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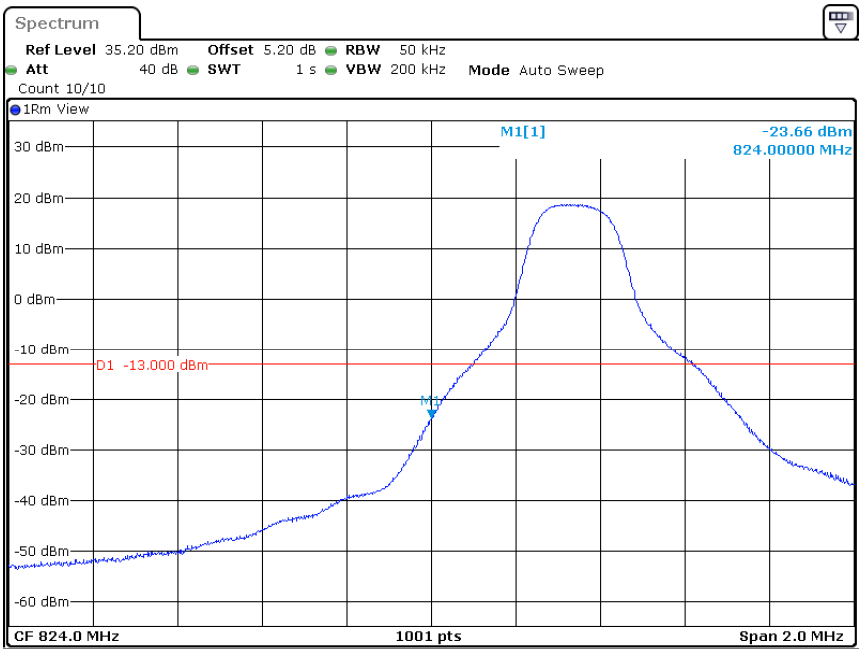
Band5-5MHz-QPSK-20425-1RB#0



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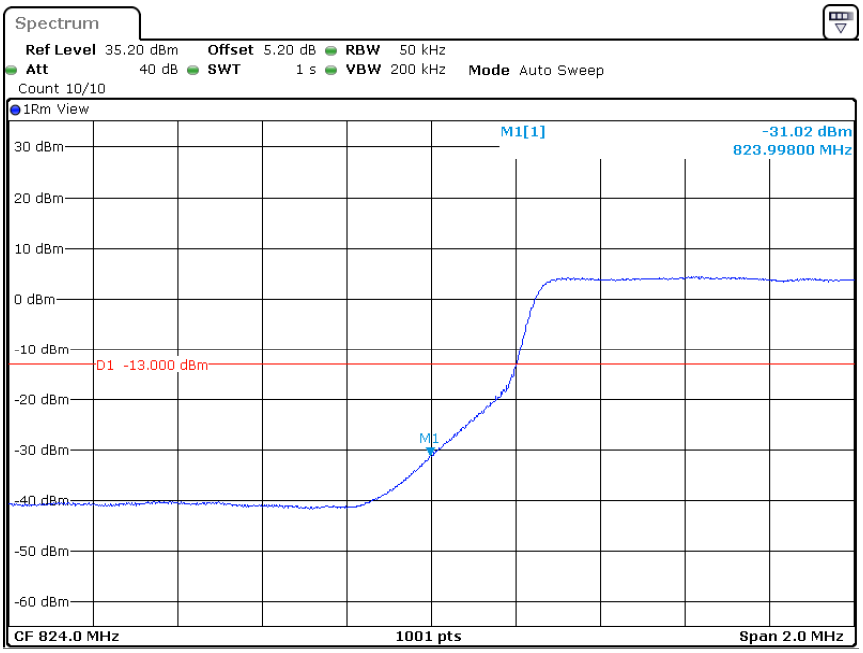

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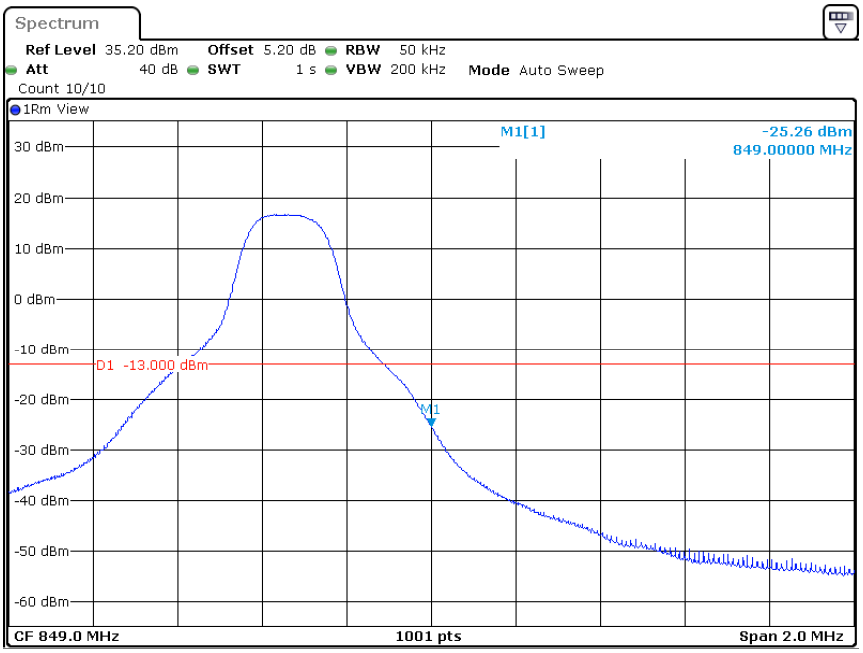
Band5-5MHz-QPSK-20625-1RB#24



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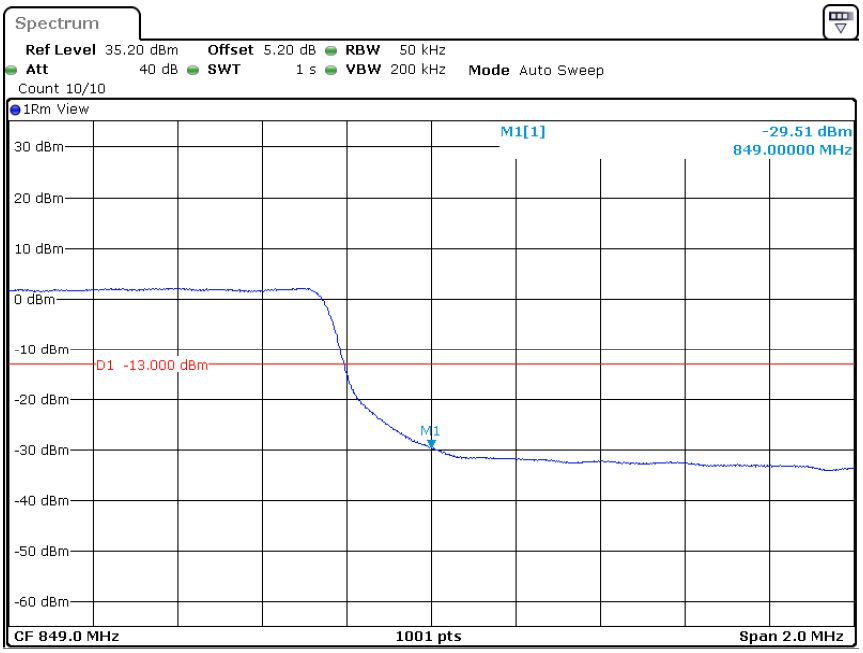

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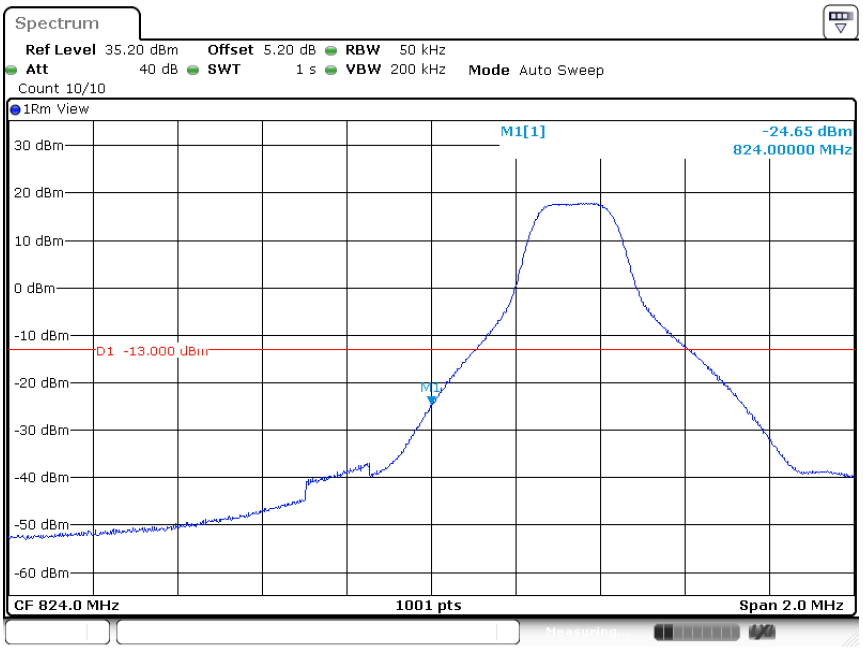
Band5-5MHz-64QAM-20425-1RB#0



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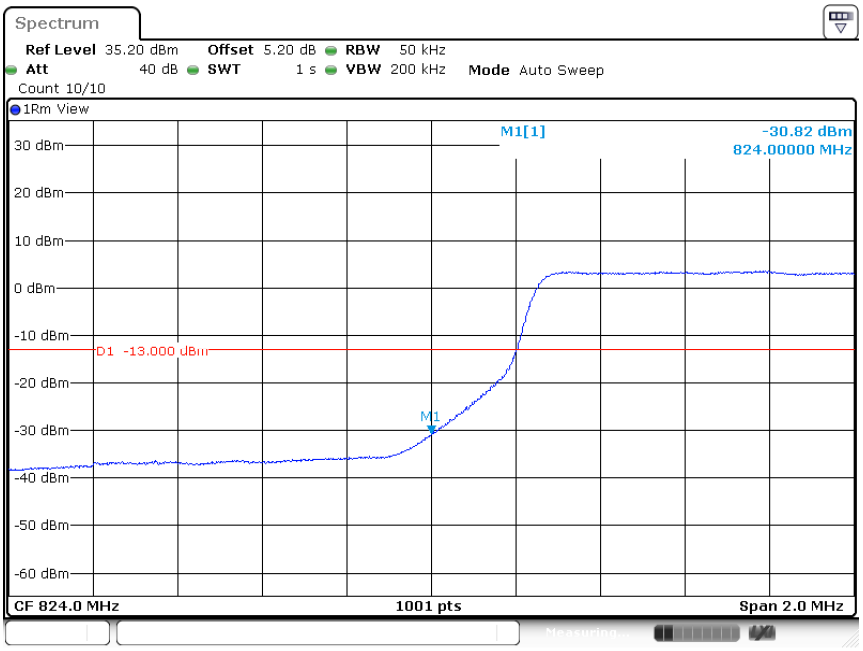

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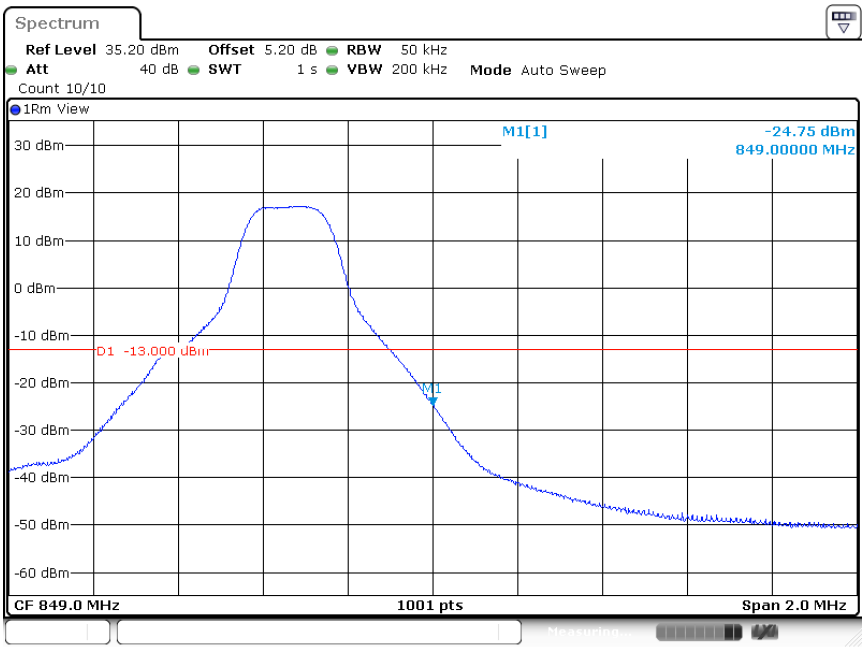
Band5-5MHz-64QAM-20625-1RB#24



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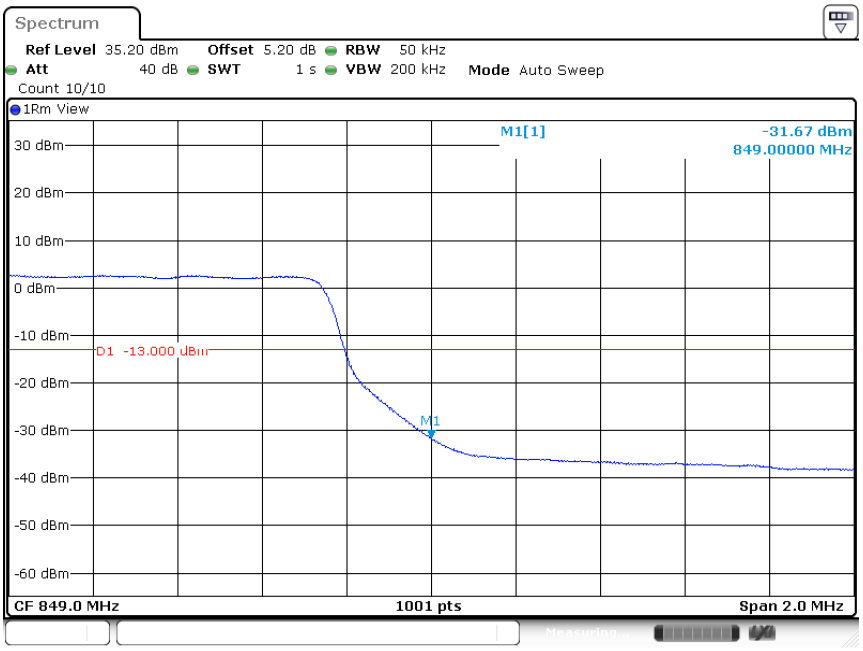

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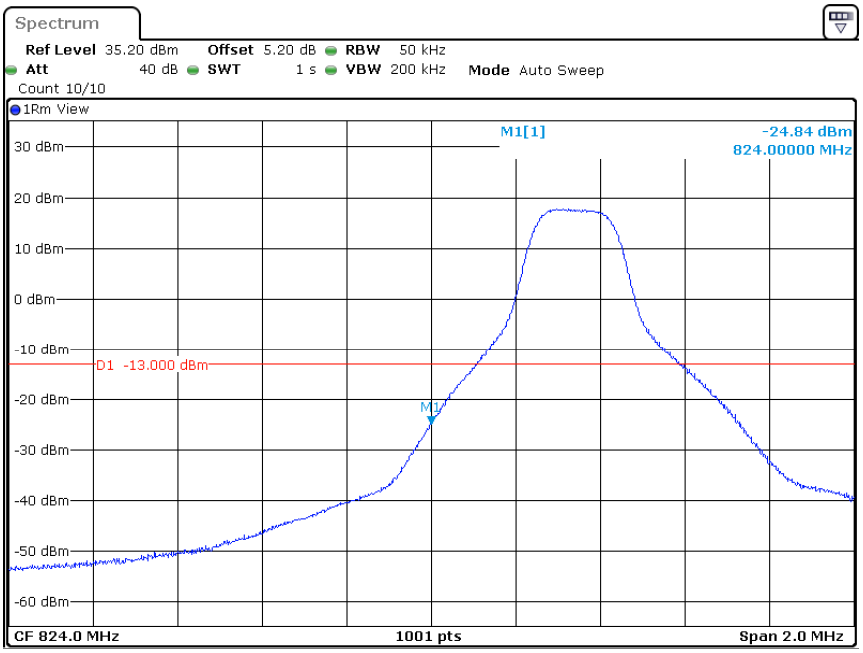

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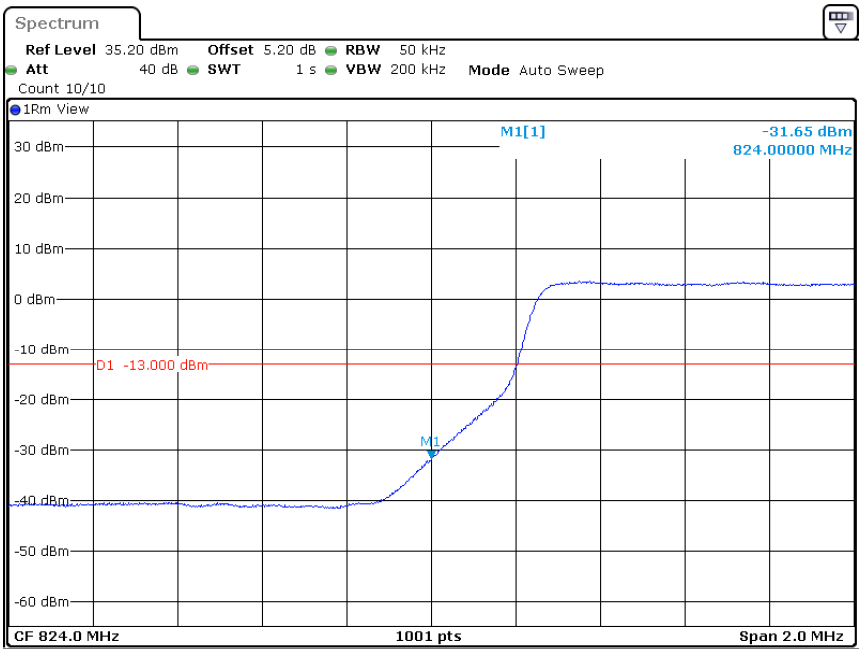

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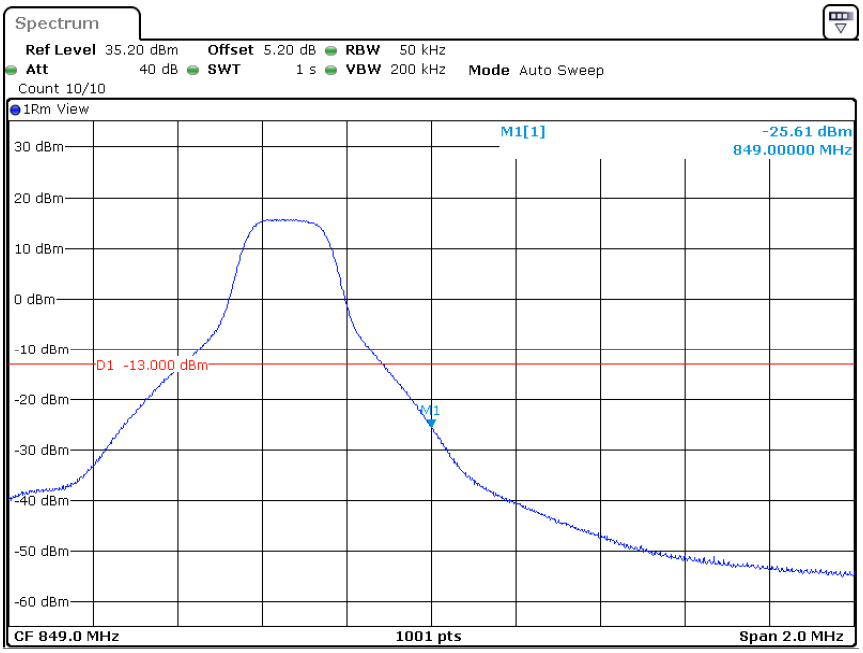

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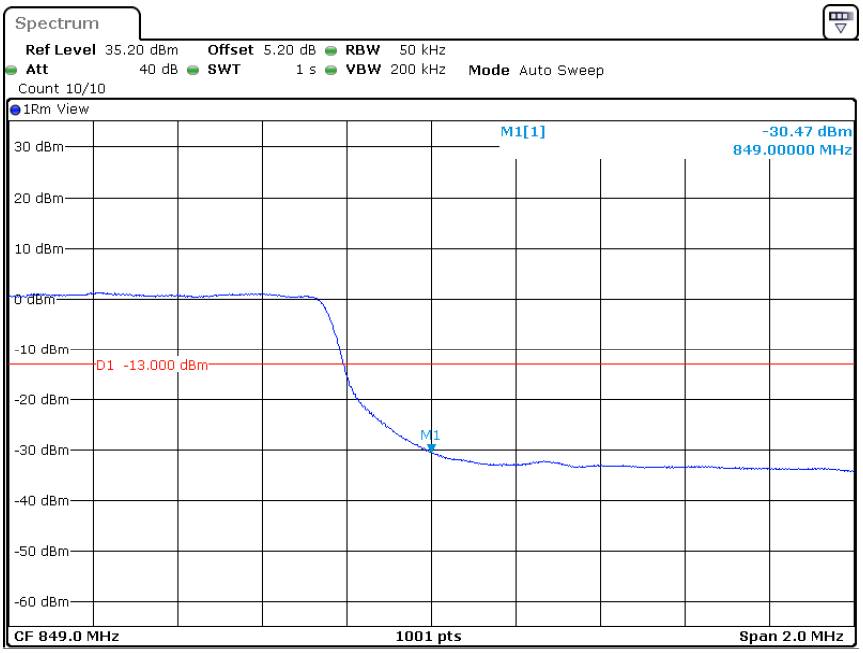

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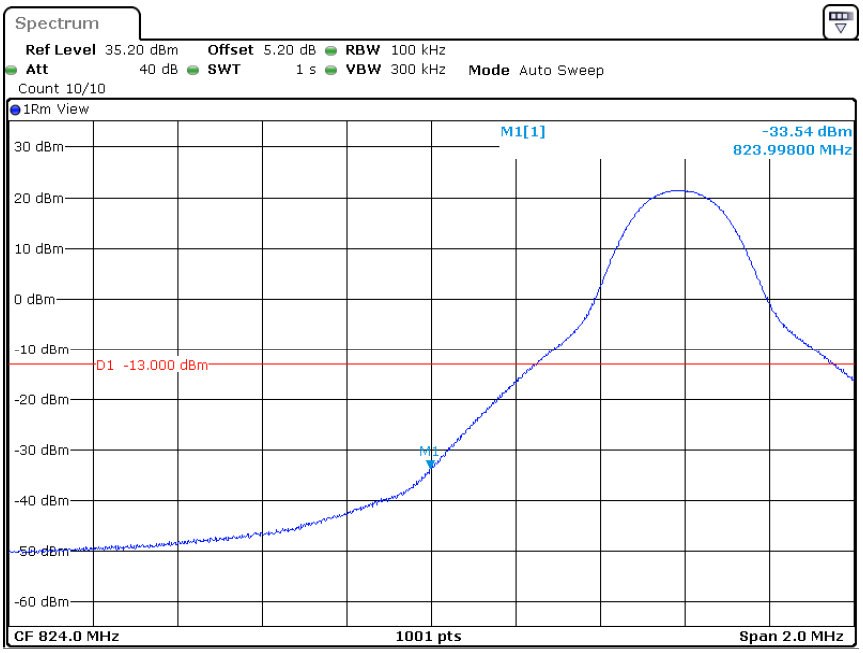
Band5-10MHz-QPSK-20450-1RB#0



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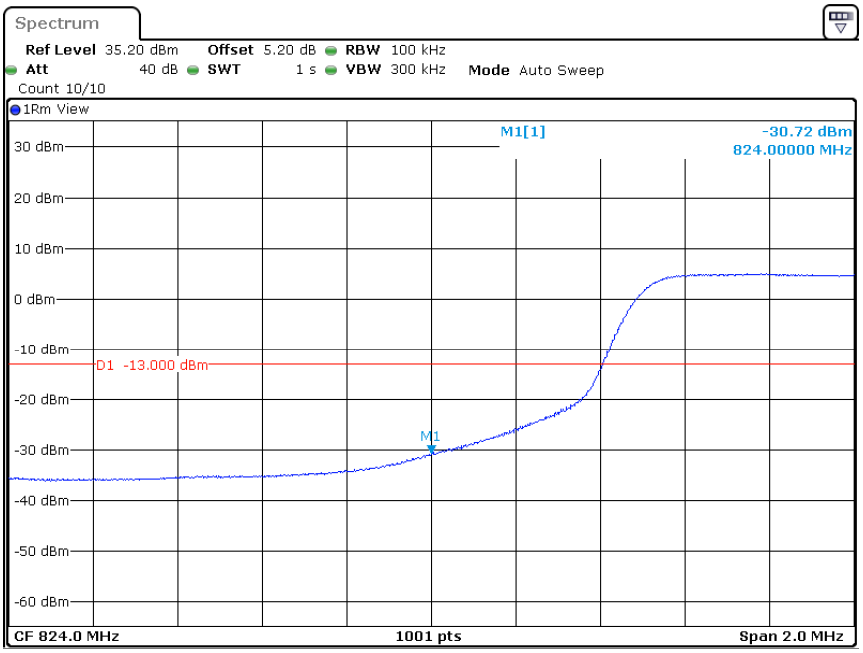

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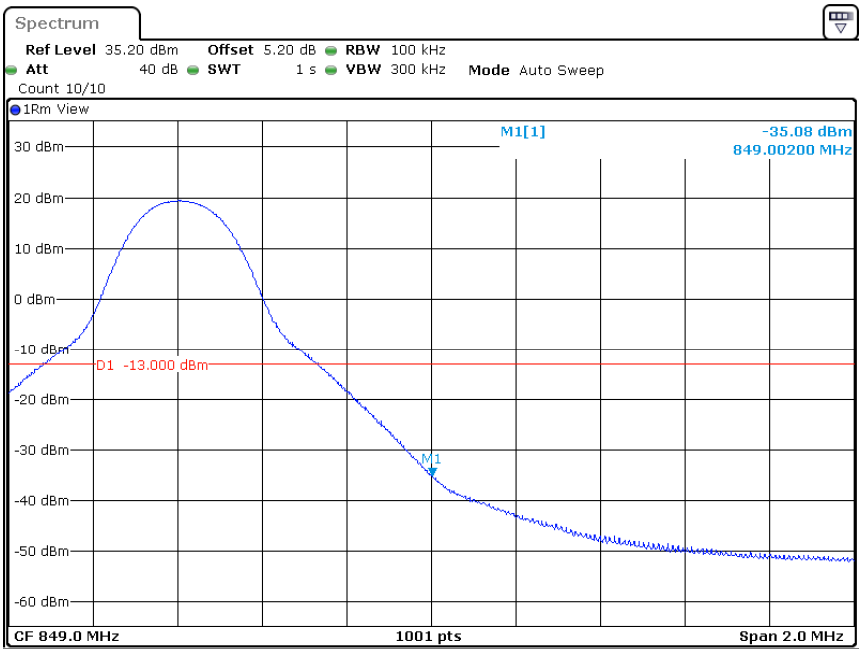

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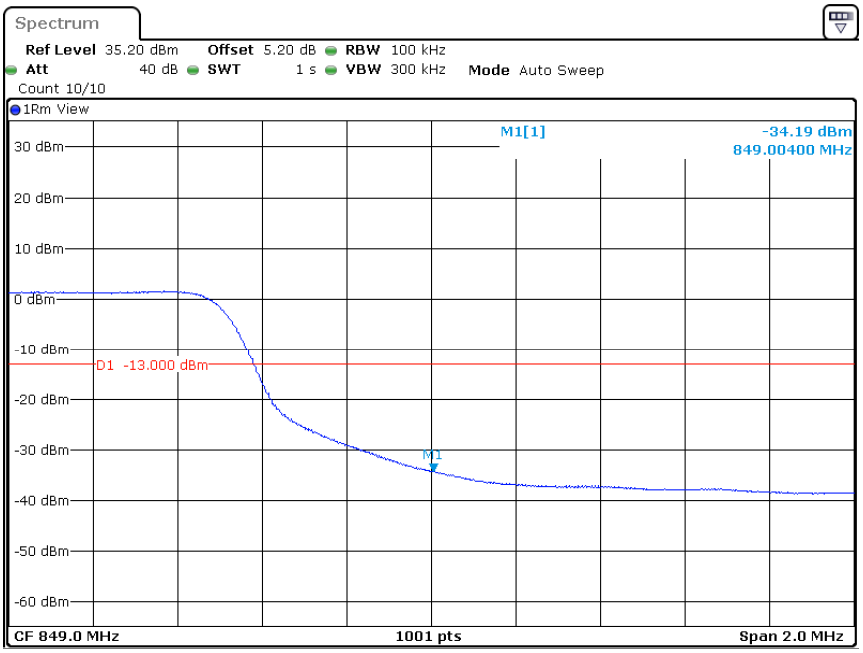
Band5-10MHz-QPSK-20600-50RB#0



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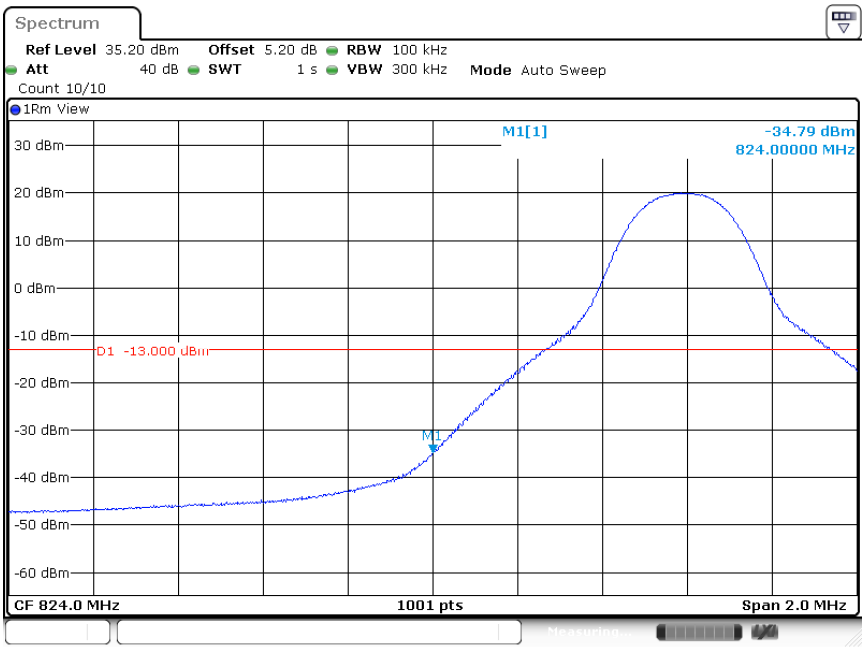
Band5-10MHz-64QAM-20450-1RB#0



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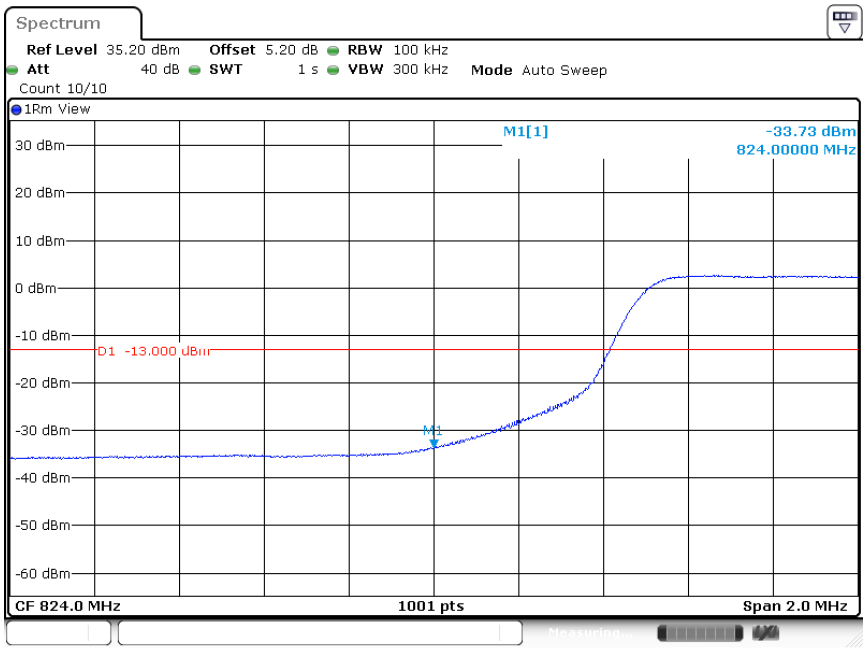
Band5-10MHz-64QAM-20450-50RB#0



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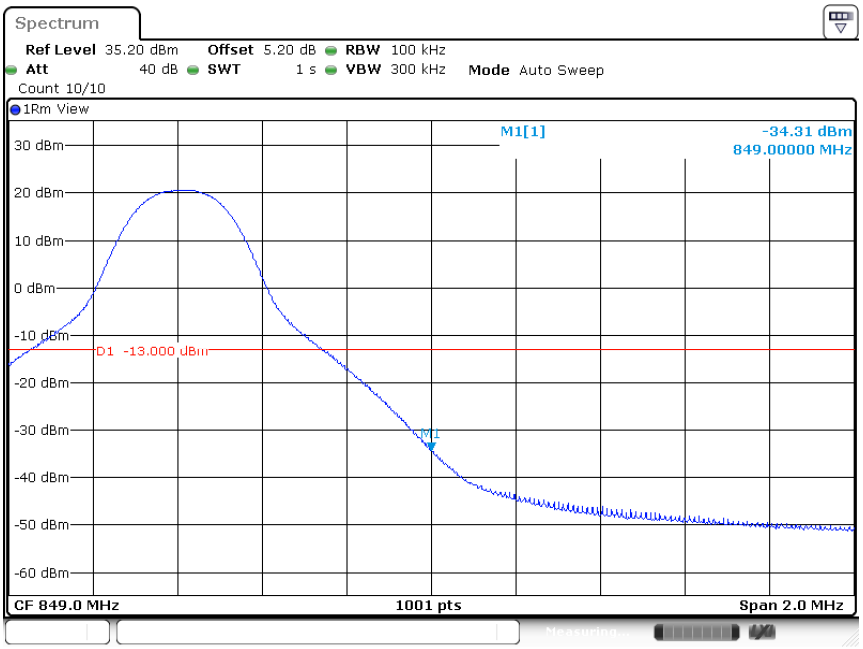
Band5-10MHz-64QAM-20600-1RB#49



Date: 10.AUG.2020 23:53:41

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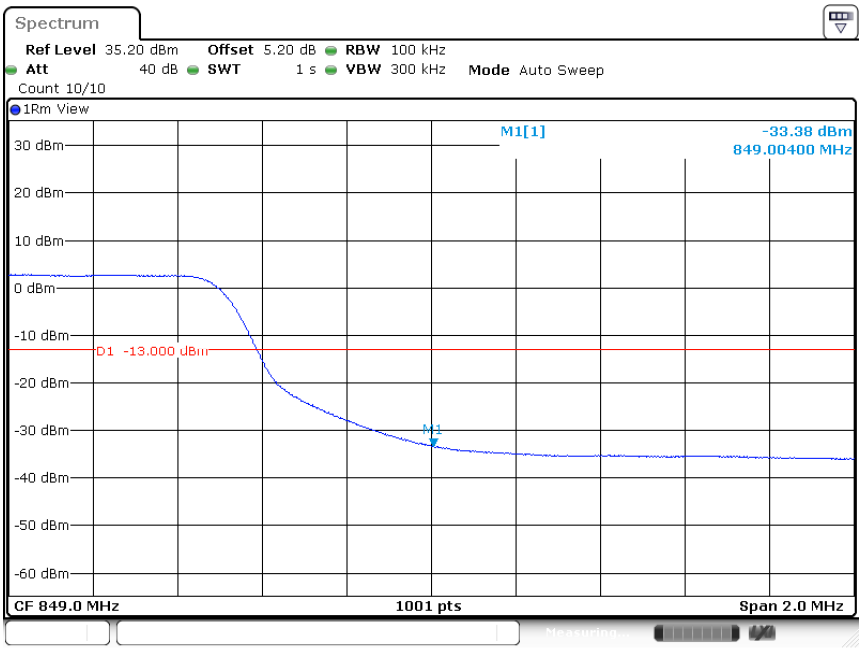
Band5-10MHz-64QAM-20600-50RB#0



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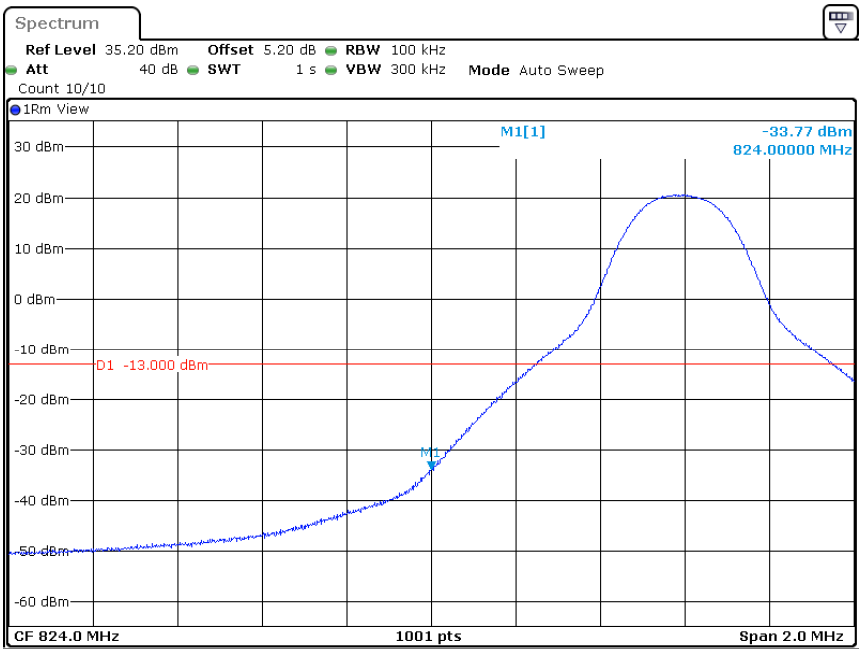
Band5-10MHz-16QAM-20450-1RB#0



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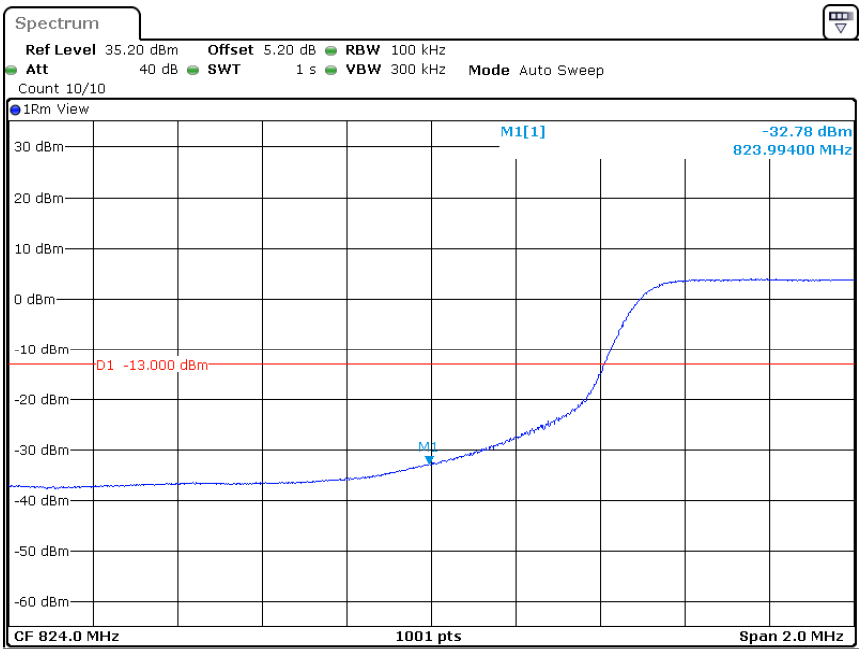
Band5-10MHz-16QAM-20450-50RB#0



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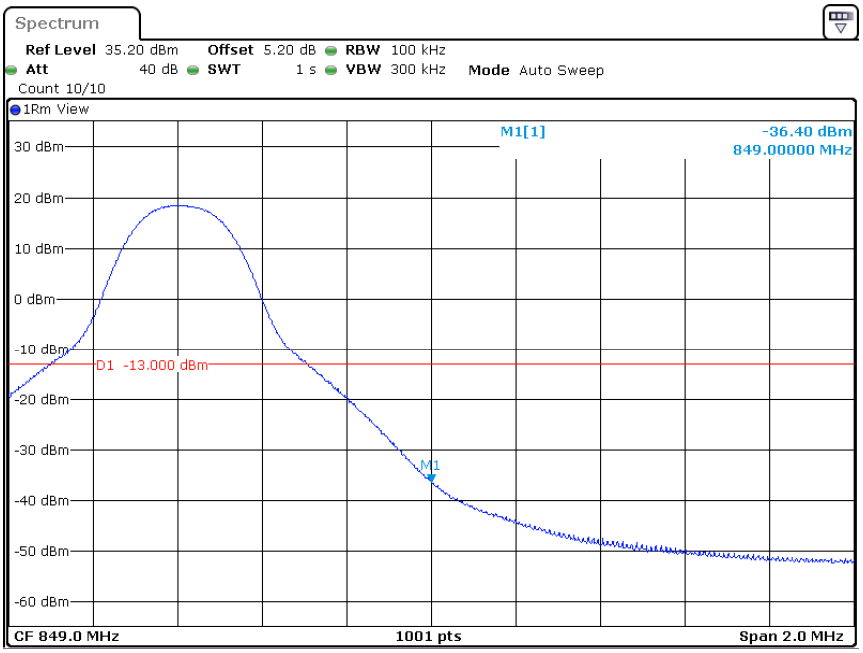
Band5-10MHz-16QAM-20600-1RB#49



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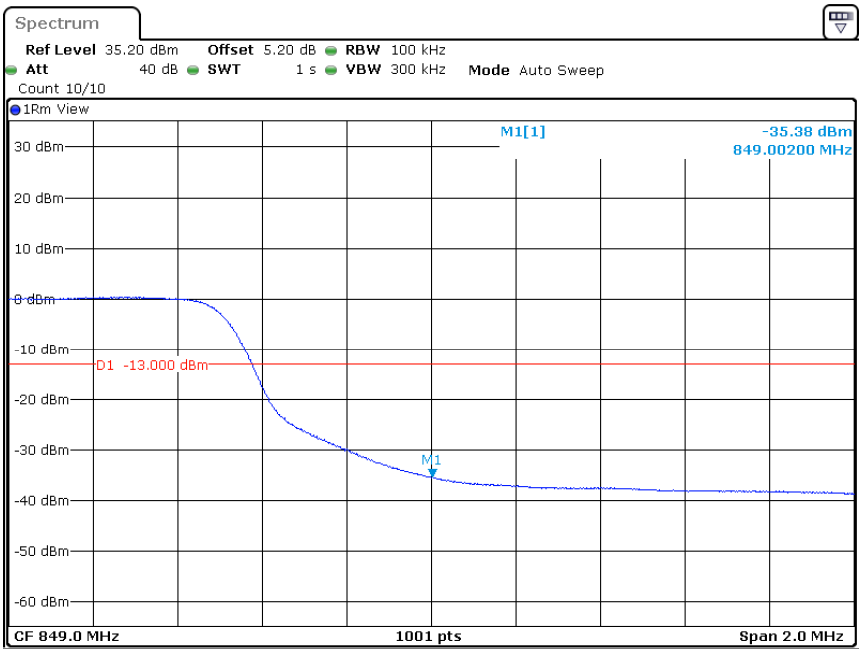
Band5-10MHz-16QAM-20600-50RB#0



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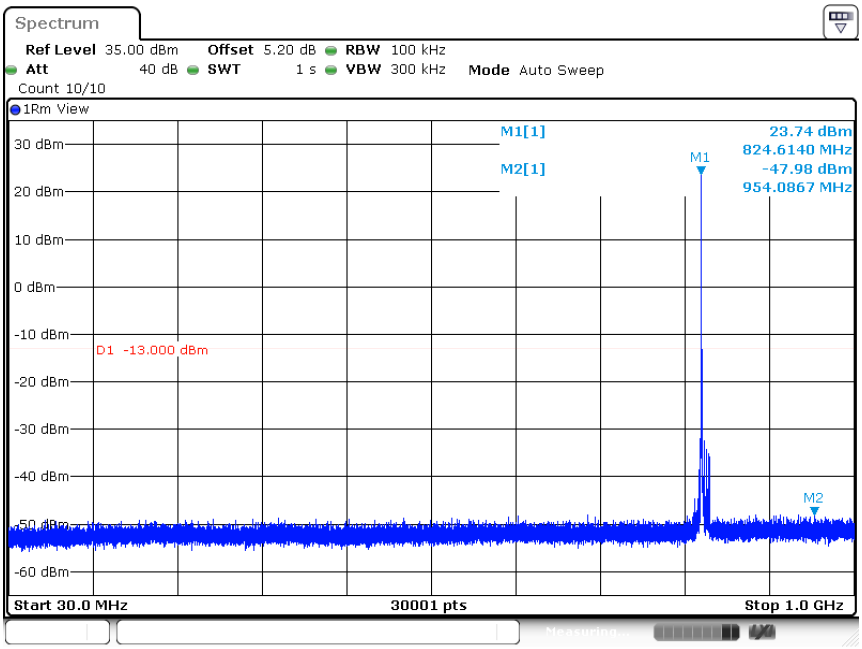
6. Spurious Emission at Antenna Terminal

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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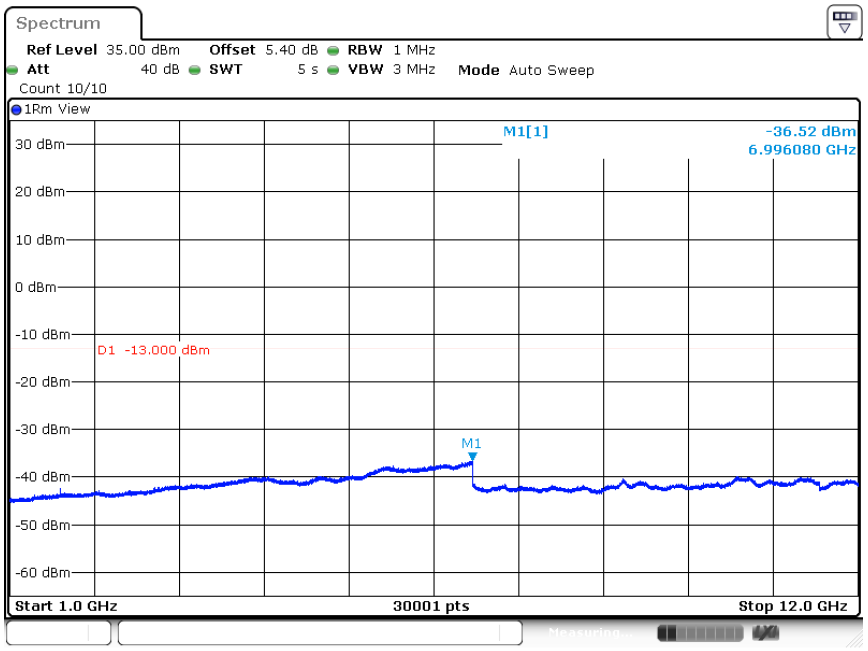

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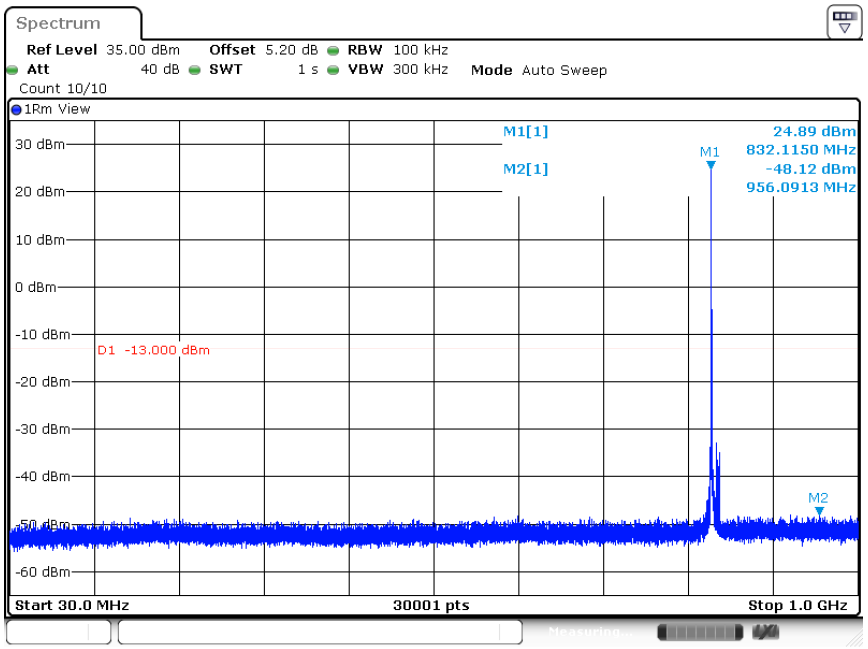

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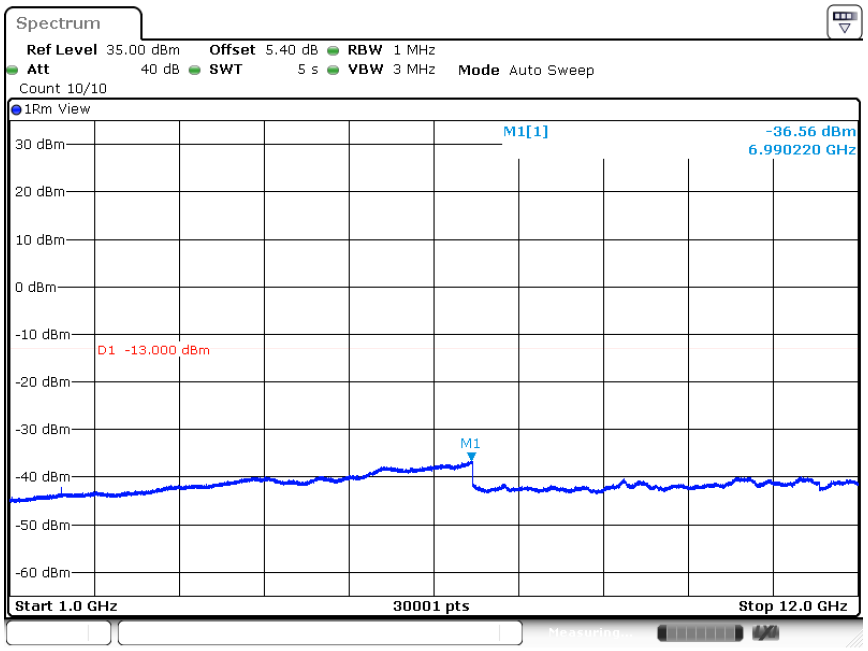
Band5-10MHz-QPSK-20525-1RB#0-Range2:1000~12000MHz



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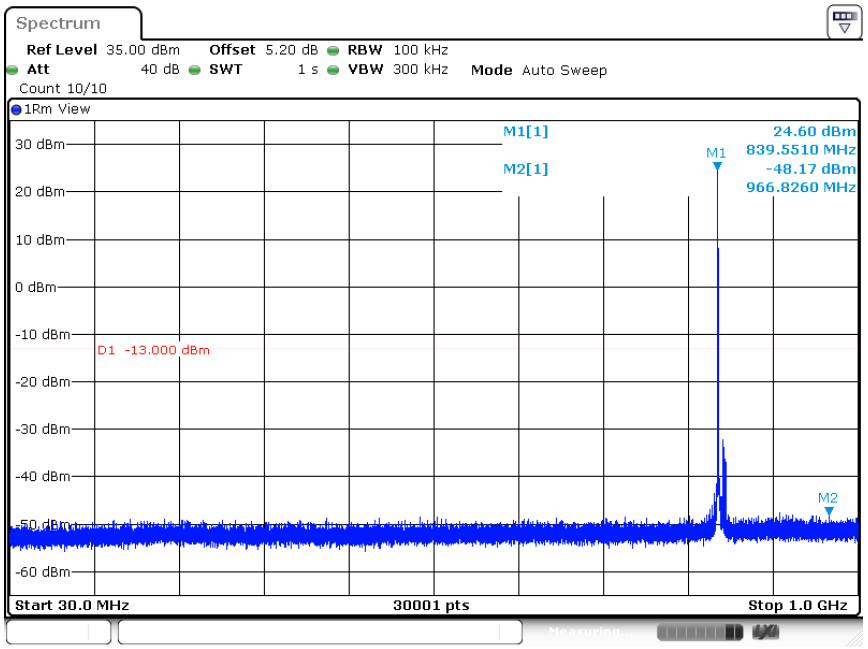

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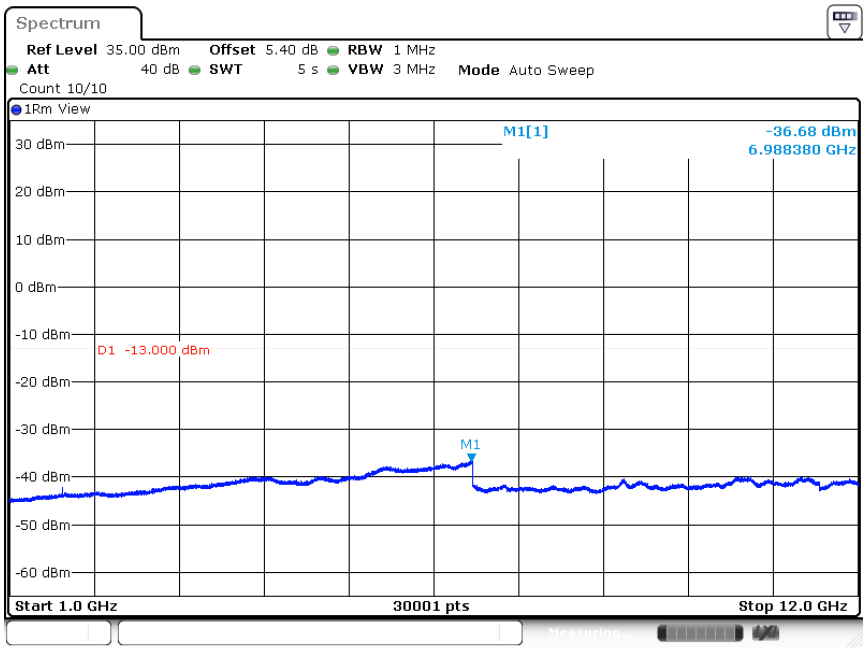
Band5-10MHz-QPSK-20600-1RB#0-Range2:1000~12000MHz



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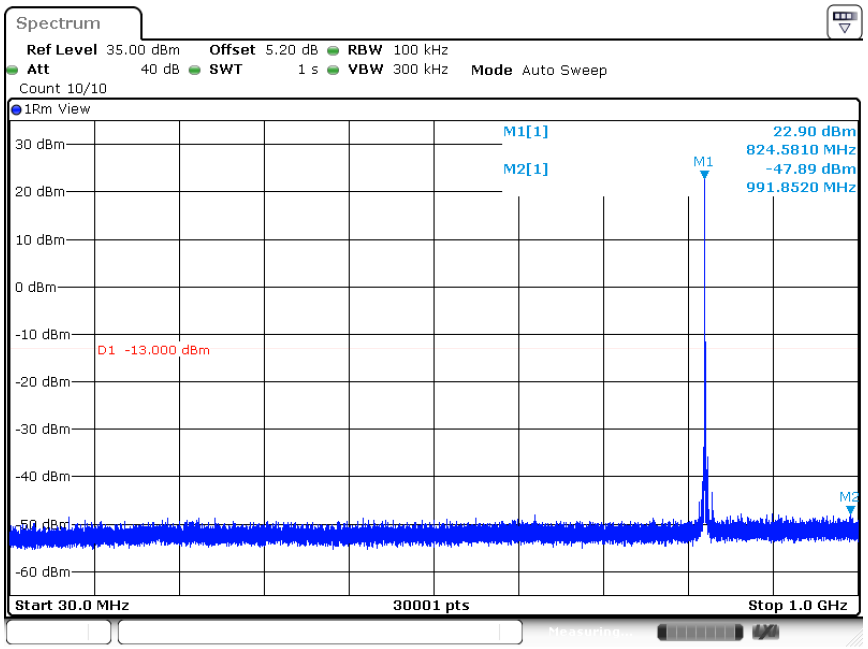
Band5-10MHz-64QAM-20450-1RB#0-Range1:30~1000MHz



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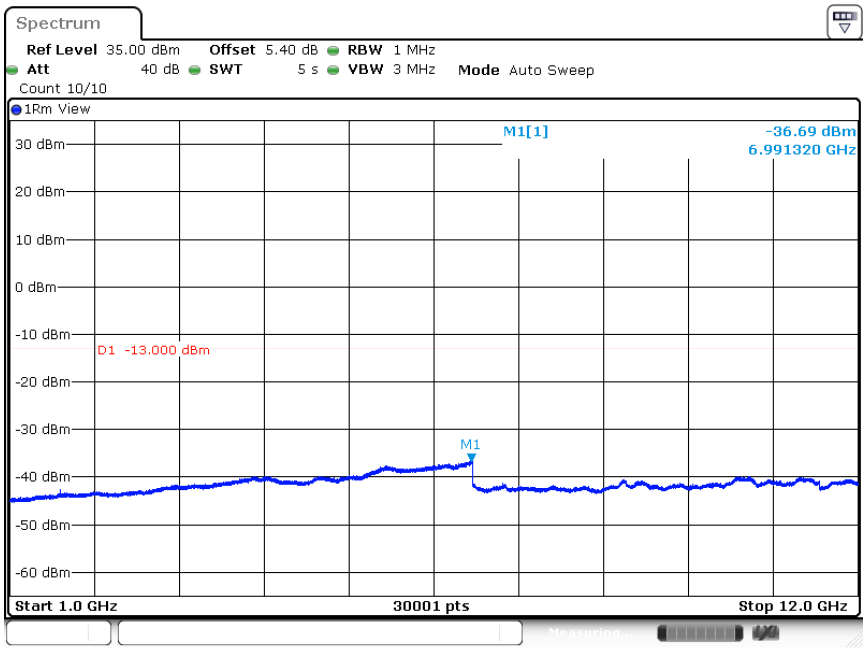
Band5-10MHz-64QAM-20450-1RB#0-Range2:1000~12000MHz



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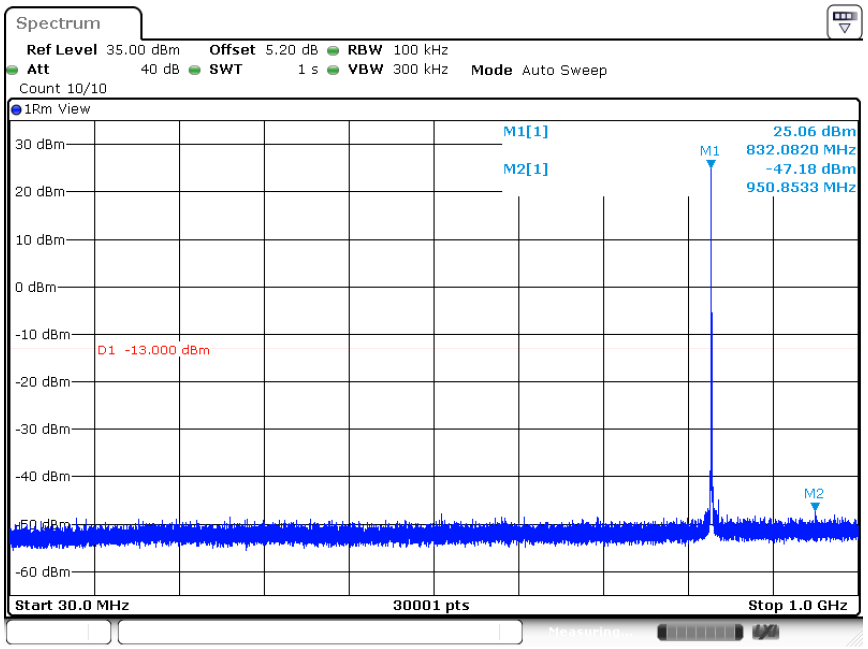
Band5-10MHz-64QAM-20525-1RB#0-Range1:30~1000MHz



Date: 10.AUG.2020 23:55:54

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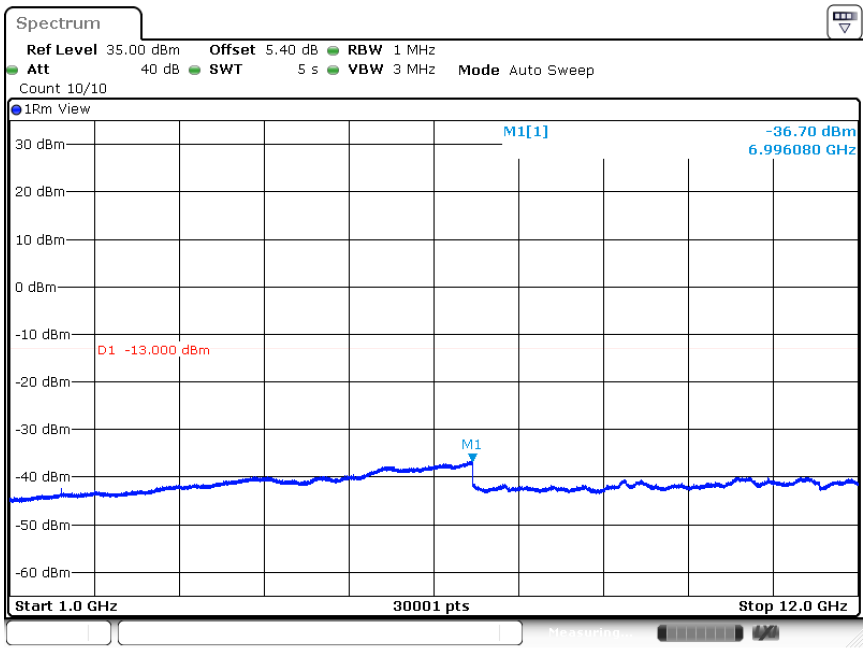
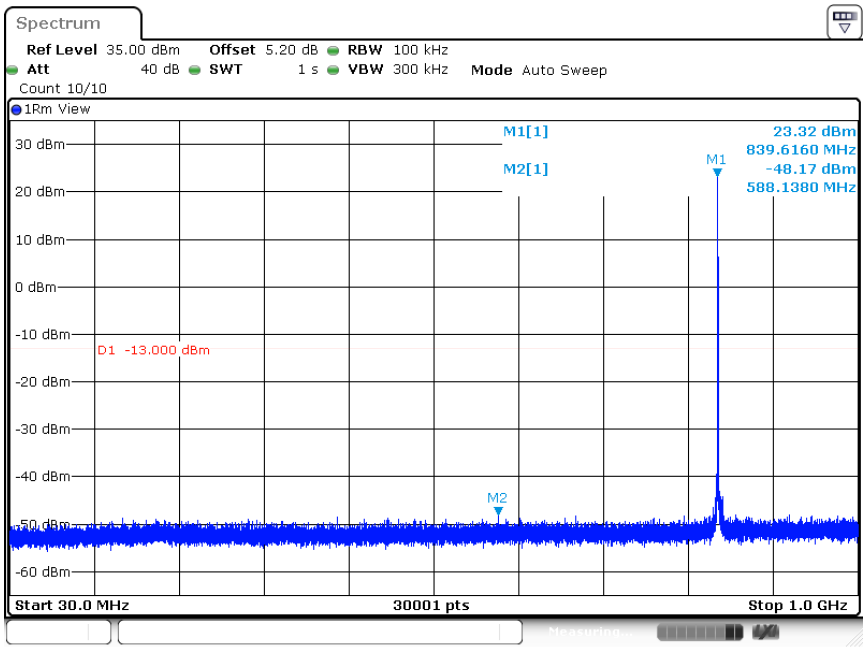
Band5-10MHz-64QAM-20525-1RB#0-Range2:1000~12000MHz



Date: 10.AUG.2020 23:57:01

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



Date: 10.AUG.2020 23:57:21

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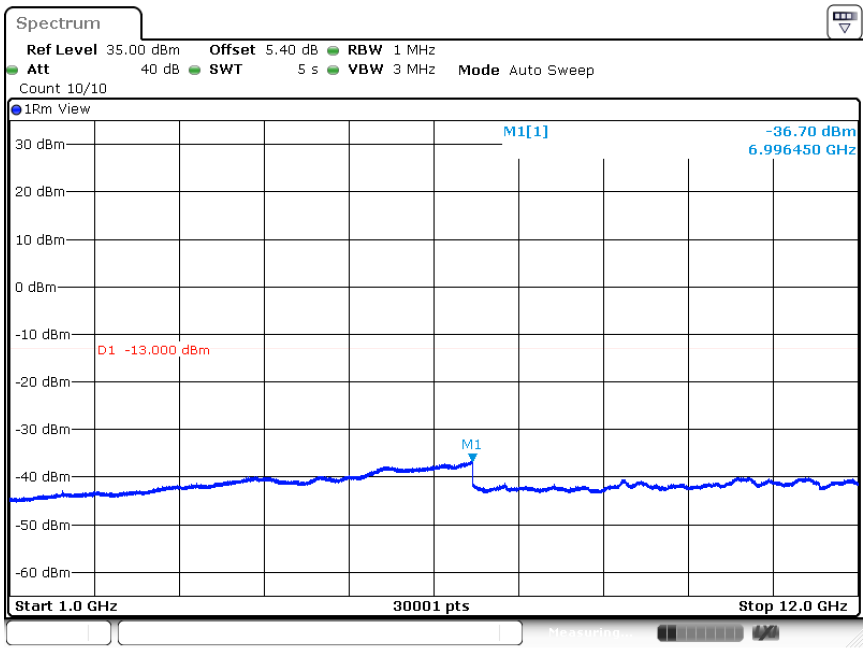
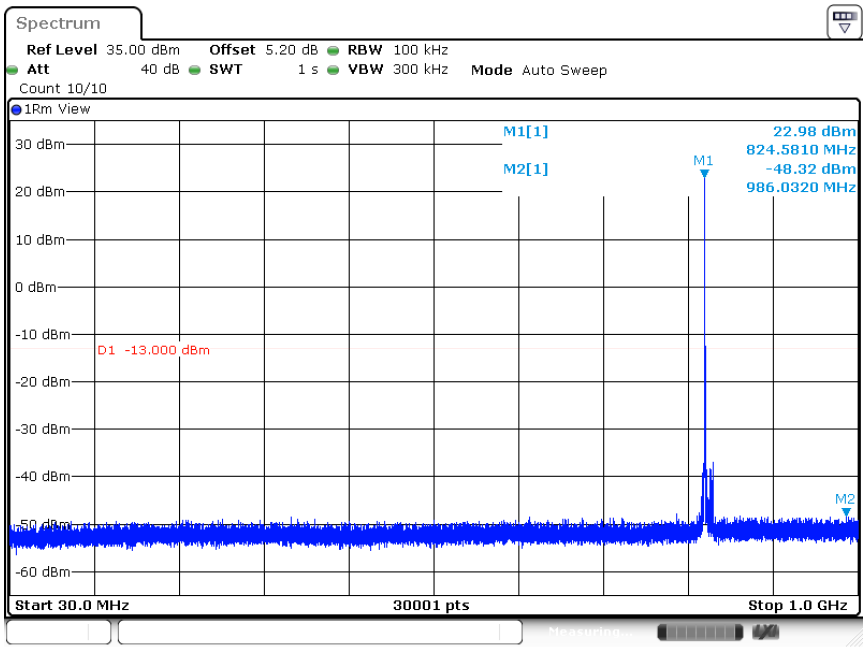
Band5-10MHz-64QAM-20600-1RB#0-Range2:1000~12000MHz



Date: 10.AUG.2020 23:58:28

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



Date: 10.AUG.2020 22:13:21

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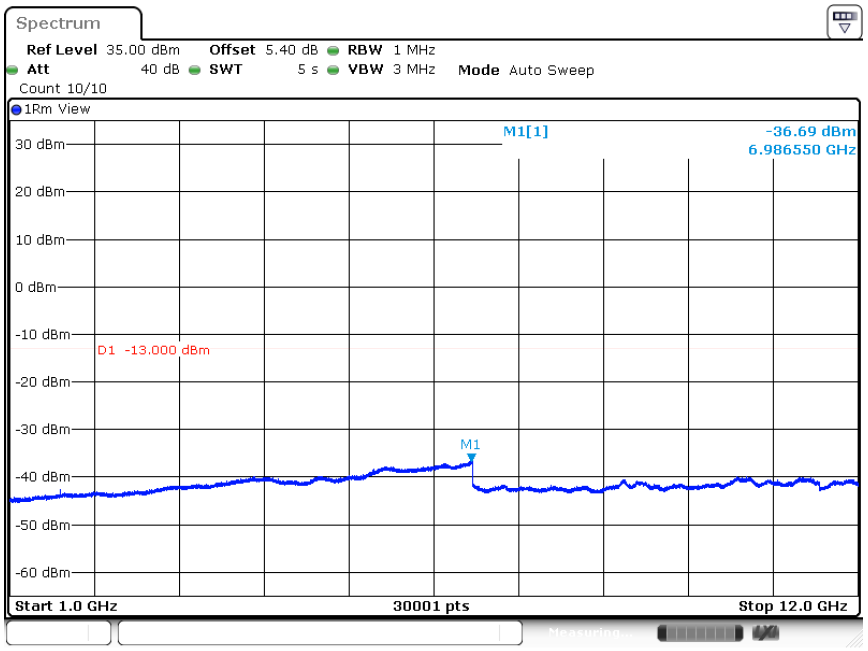
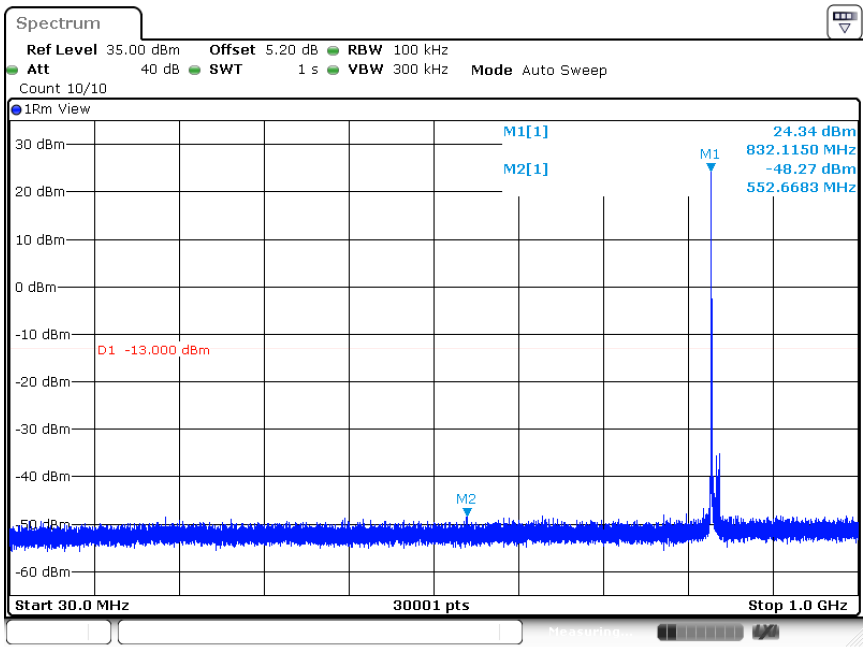
Band5-10MHz-16QAM-20450-1RB#0-Range2:1000~12000MHz



Date: 10.AUG.2020 22:14:28

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



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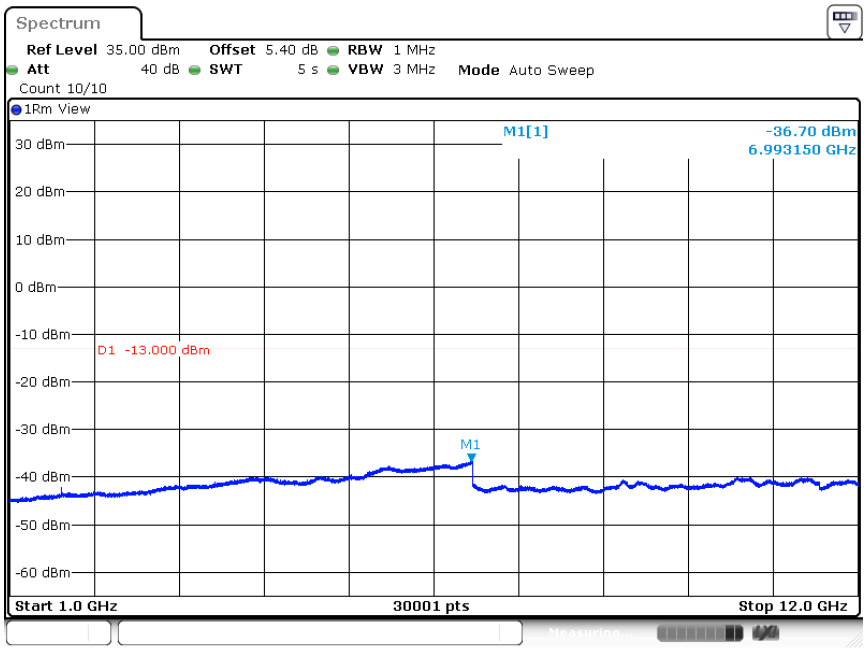
Band5-10MHz-16QAM-20525-1RB#0-Range2:1000~12000MHz



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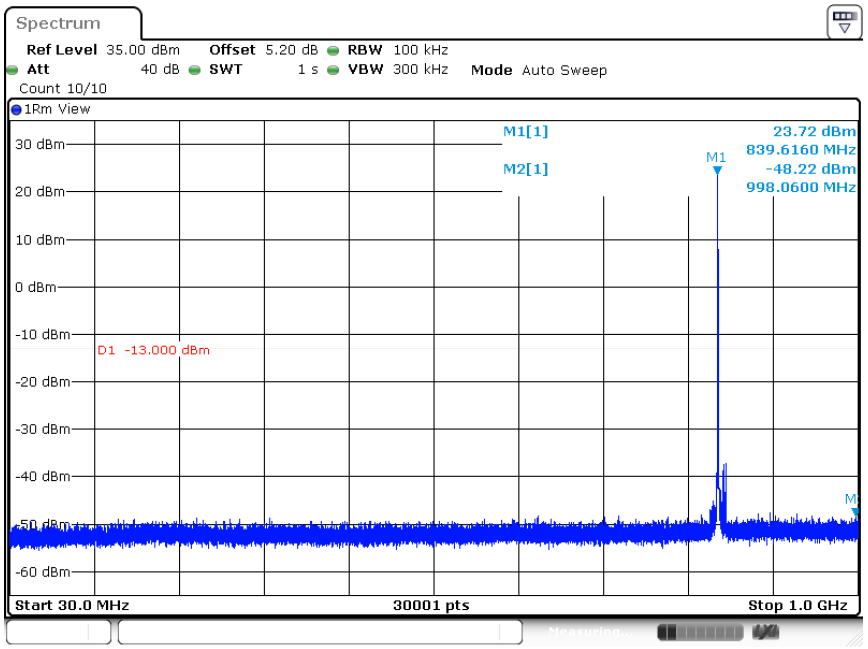
Band5-10MHz-16QAM-20600-1RB#0-Range1:30~1000MHz



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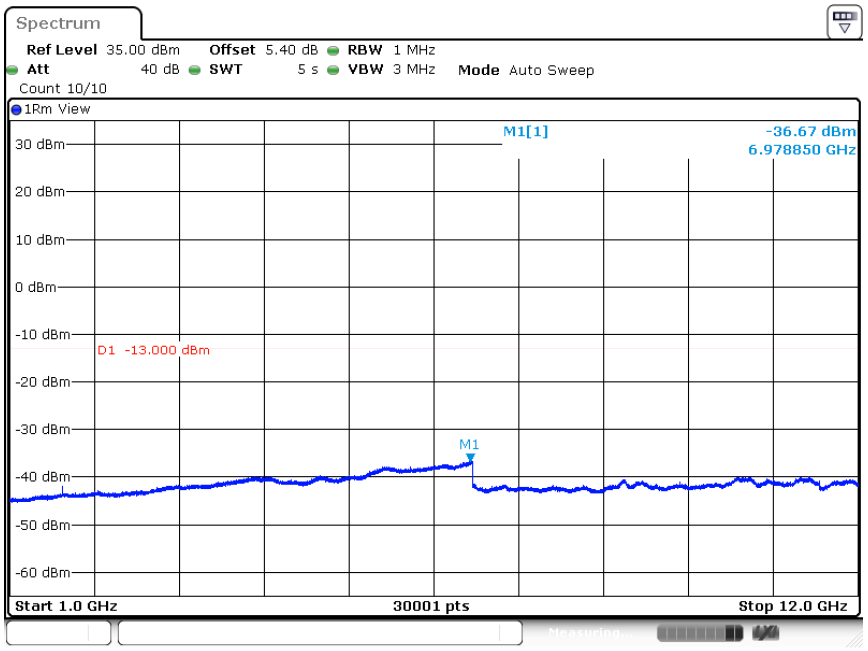
Band5-10MHz-16QAM-20600-1RB#0-Range2:1000~12000MHz



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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
74.7677	-61.79	-13.00	48.79	Vertical
380.2845	-65.87	-13.00	52.87	Vertical
1648.9298	-43.10	-13.00	30.10	Vertical
2473.0946	-51.13	-13.00	38.13	Vertical
5024.4675	-61.76	-13.00	48.76	Vertical
8830.5944	-54.19	-13.00	41.19	Vertical
42.3681	-62.52	-13.00	49.52	Horizontal
232.2551	-64.76	-13.00	51.76	Horizontal
542.6706	-61.90	-13.00	48.90	Horizontal
1648.9298	-39.90	-13.00	26.90	Horizontal
2699.1398	-56.28	-13.00	43.28	Horizontal
8800.5934	-54.81	-13.00	41.81	Horizontal

7.1.2.Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
32.7646	-72.29	-13.00	59.29	Vertical
109.1075	-63.26	-13.00	50.26	Vertical
339.3970	-66.58	-13.00	53.58	Vertical
1664.1328	-46.17	-13.00	33.17	Vertical
3000.0000	-56.66	-13.00	43.66	Vertical
8824.9942	-54.51	-13.00	41.51	Vertical
41.9801	-62.48	-13.00	49.48	Horizontal
234.0497	-64.83	-13.00	51.83	Horizontal
511.3381	-63.52	-13.00	50.52	Horizontal
1664.1328	-39.79	-13.00	26.79	Horizontal
2699.1398	-56.28	-13.00	43.28	Horizontal
8781.3927	-55.00	-13.00	42.00	Horizontal

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7.1.3.Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
74.3312	-62.13	-13.00	49.13	Vertical
112.0661	-62.44	-13.00	49.44	Vertical
331.5396	-65.46	-13.00	52.46	Vertical
1678.9358	-48.78	-13.00	35.78	Vertical
3000.0000	-56.49	-13.00	43.49	Vertical
8819.3940	-54.19	-13.00	41.19	Vertical
42.5136	-62.17	-13.00	49.17	Horizontal
229.1510	-65.35	-13.00	52.35	Horizontal
536.3168	-62.57	-13.00	49.57	Horizontal
1678.9358	-38.76	-13.00	25.76	Horizontal
2699.5399	-56.42	-13.00	43.42	Horizontal
8764.9922	-54.80	-13.00	41.80	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	-1.80	-0.002171	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	VN	NT	0.60	0.000724	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	VH	NT	-3.90	-0.004704	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VL	NT	3.30	0.003945	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VN	NT	1.30	0.001554	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	2.00	0.002391	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VL	NT	3.60	0.004265	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VN	NT	1.50	0.001777	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VH	NT	1.00	0.001185	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	VL	NT	-5.60	-0.006755	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	VN	NT	2.80	0.003378	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	VH	NT	-1.40	-0.001689	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	VL	NT	2.90	0.003467	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	VN	NT	2.60	0.003108	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	VH	NT	0.70	0.000837	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	VL	NT	1.60	0.001896	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	VN	NT	2.00	0.002370	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	VH	NT	1.70	0.002014	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VL	NT	-1.60	-0.001930	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VN	NT	-1.50	-0.001809	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VH	NT	-2.50	-0.003016	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VL	NT	-0.90	-0.001076	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VN	NT	0.10	0.000120	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VH	NT	-2.60	-0.003108	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VL	NT	-5.20	-0.006161	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VN	NT	3.30	0.003910	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VH	NT	1.80	0.002133	±2.5	PASS

8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict

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Band5	10MHz	QPSK	20450	50RB#0	NV	-30	2.60	0.003136	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-20	3.60	0.004343	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	0	-1.20	-0.001448	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	10	2.50	0.003016	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	20	1.00	0.001206	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	30	-3.10	-0.003739	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	40	0.90	0.001086	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	50	-4.60	-0.005549	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-30	2.50	0.002989	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	-3.20	-0.003825	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	1.90	0.002271	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	-4.10	-0.004901	±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	-4.30	-0.005140	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	-1.70	-0.002032	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	3.30	0.003945	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-30	2.10	0.002488	±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	0	3.00	0.003555	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	10	-1.80	-0.002133	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	20	0.00	0.000000	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	30	2.50	0.002962	±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	-3.30	-0.003910	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	-30	2.60	0.003136	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	-20	-4.90	-0.005911	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	0	-3.00	-0.003619	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	10	-4.50	-0.005428	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	20	-2.60	-0.003136	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	30	3.30	0.003981	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	40	-4.20	-0.005066	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	50	-3.20	-0.003860	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	-30	-4.00	-0.004782	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	-20	-4.40	-0.005260	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	0	3.10	0.003706	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	10	-4.50	-0.005380	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	20	-2.50	-0.002989	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	30	0.70	0.000837	±2.5	PASS

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Band5	10MHz	64QAM	20525	50RB#0	NV	40	-5.30	-0.006336	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	50	1.20	0.001435	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	-30	-3.70	-0.004384	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	-20	-5.20	-0.006161	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	0	-3.70	-0.004384	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	10	-1.70	-0.002014	±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	-0.80	-0.000948	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	40	2.20	0.002607	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	50	-3.90	-0.004621	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	-30	-0.50	-0.000603	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	-20	-4.70	-0.005669	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	0	3.00	0.003619	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	10	-3.80	-0.004584	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	20	1.50	0.001809	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	30	-3.30	-0.003981	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	40	-4.20	-0.005066	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	50	0.00	0.000000	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	-30	-2.00	-0.002391	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	-20	0.30	0.000359	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	0	3.70	0.004423	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	10	2.50	0.002989	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	20	-4.80	-0.005738	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	30	1.40	0.001674	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	40	-2.20	-0.002630	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	50	-3.60	-0.004304	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	-30	1.70	0.002014	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	-20	-3.90	-0.004621	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	0	3.40	0.004028	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	10	1.20	0.001422	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	20	3.00	0.003555	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	30	0.50	0.000592	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	40	-2.60	-0.003081	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	50	-4.40	-0.005213	±2.5	PASS

The End

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