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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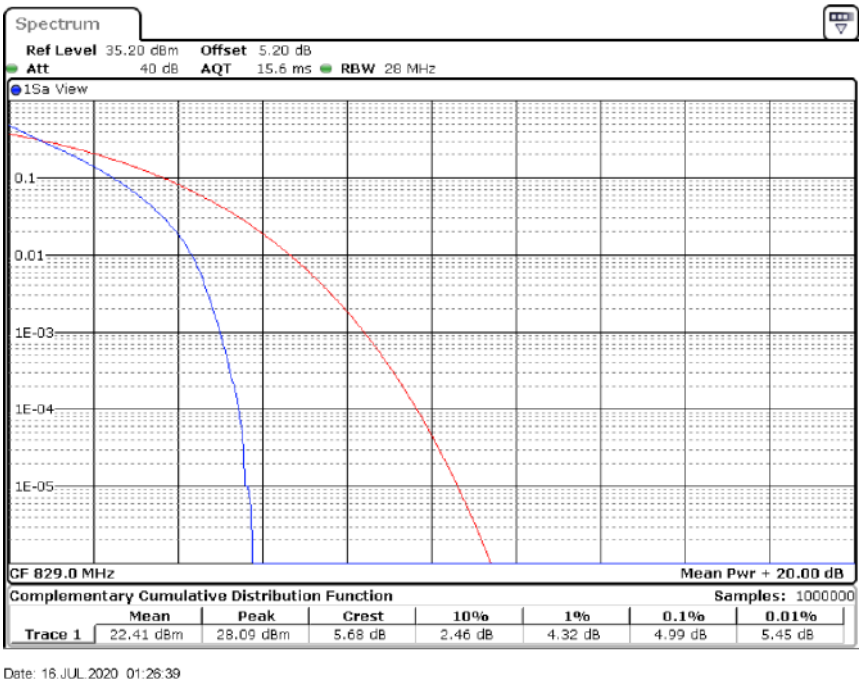
2. Peak-to-Average Ratio (CCDF)

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



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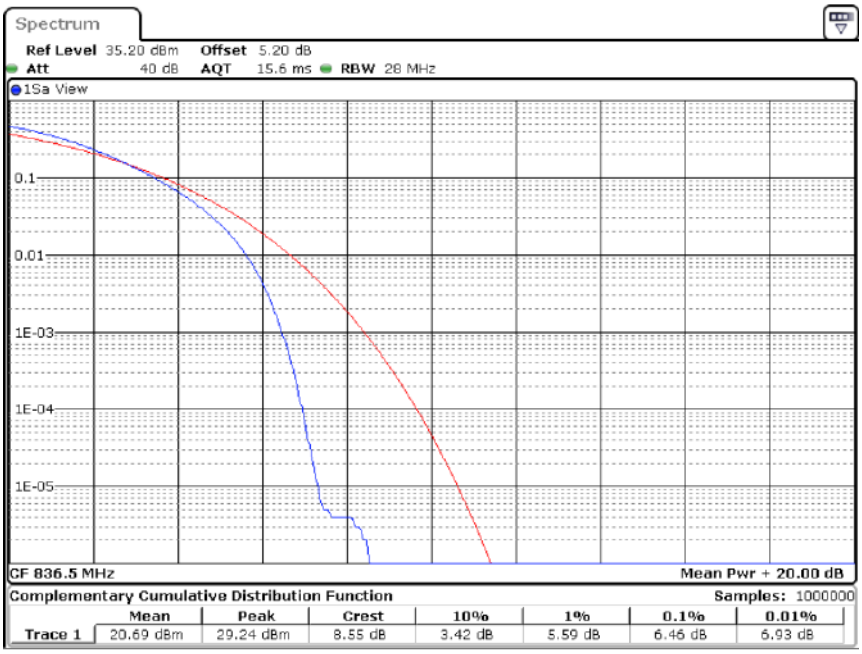
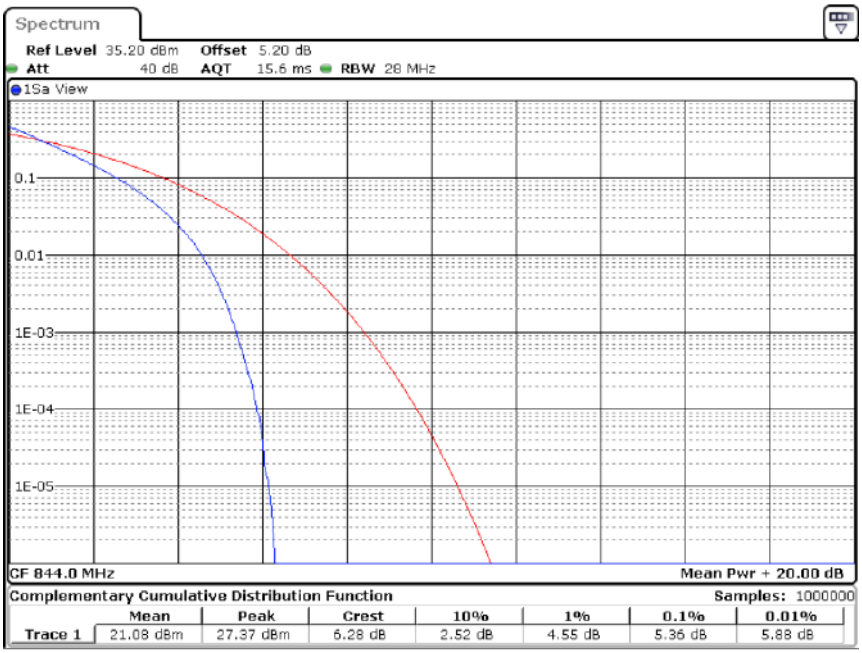
Band5-10MHz-QPSK-20525-50RB#0



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

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



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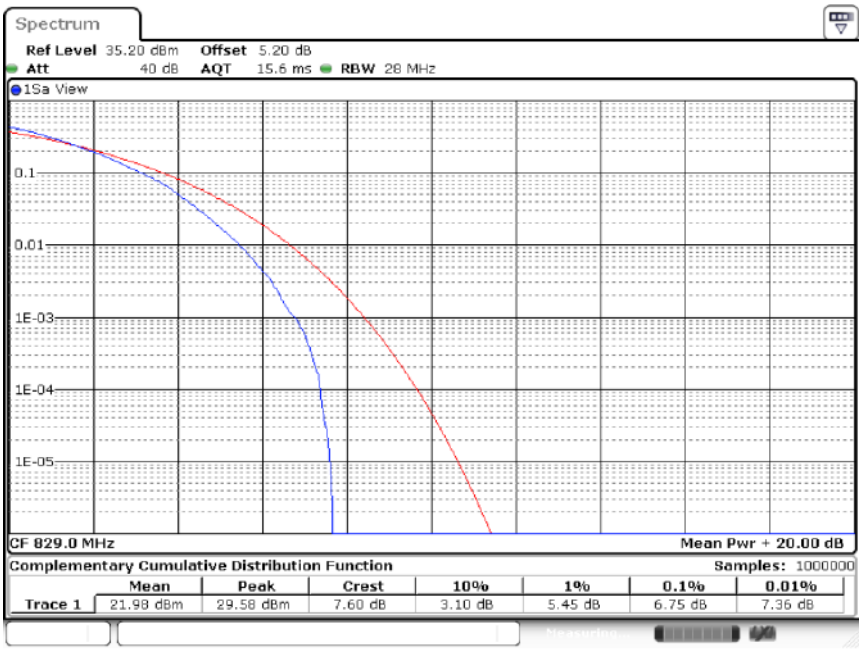
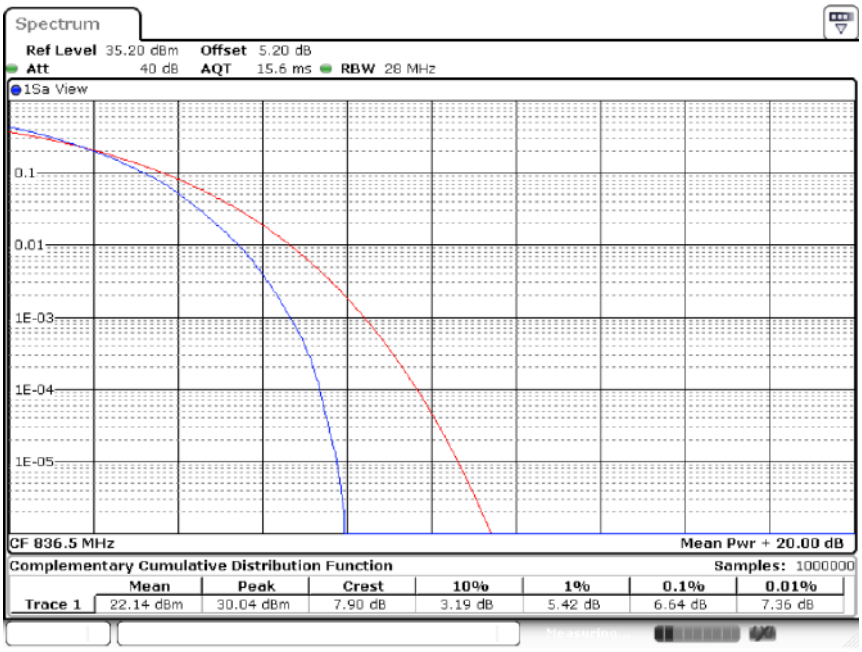


Date: 10.AUG.2020 23:58:45

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



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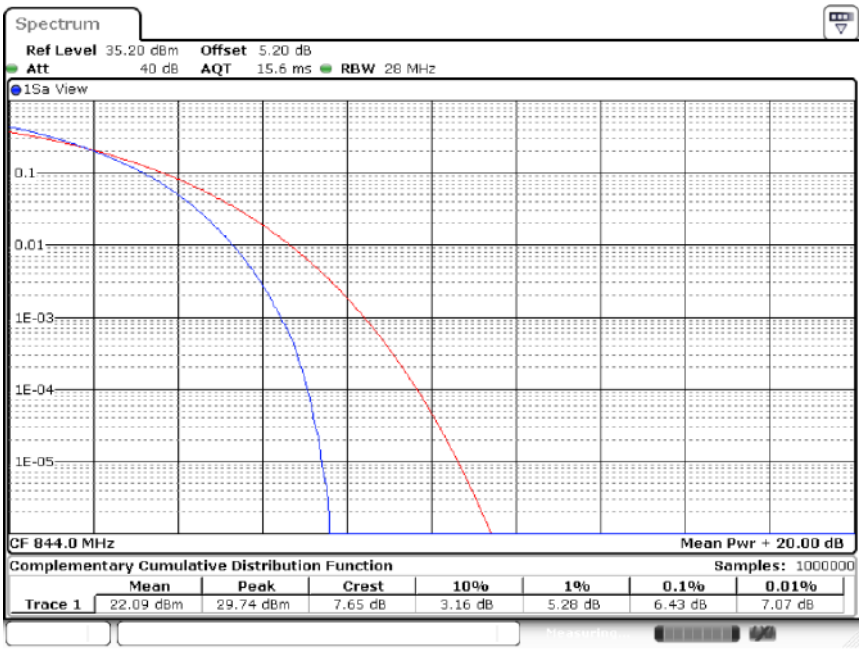
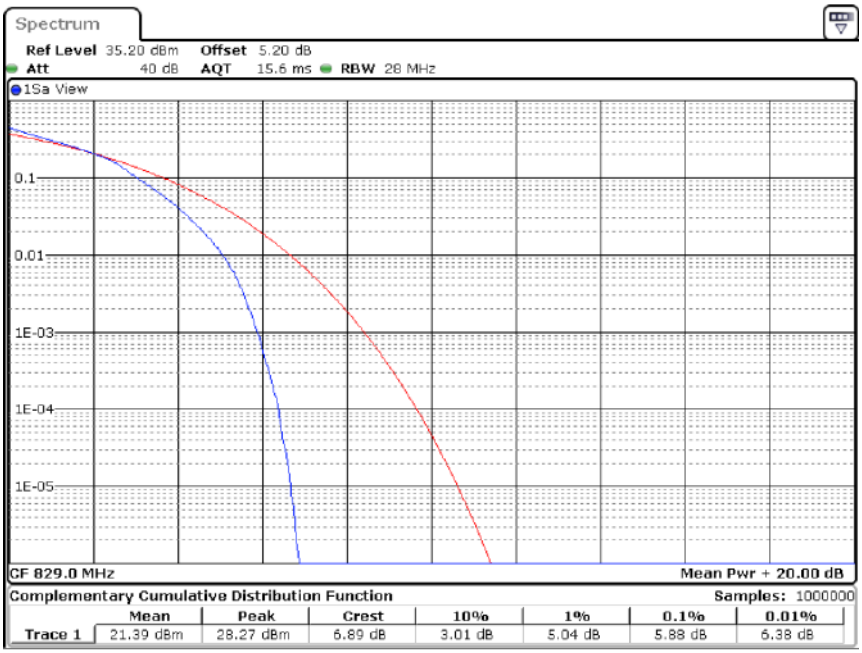


Date: 10.AUG.2020 23:59:08

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



Date: 16.JUL.2020 01:26:50

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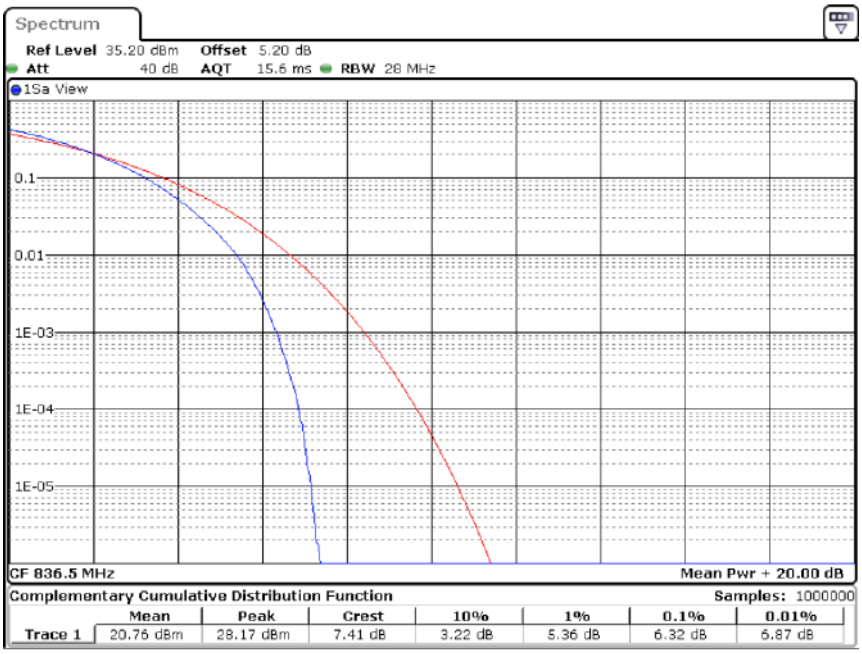
Band5-10MHz-16QAM-20525-50RB#0



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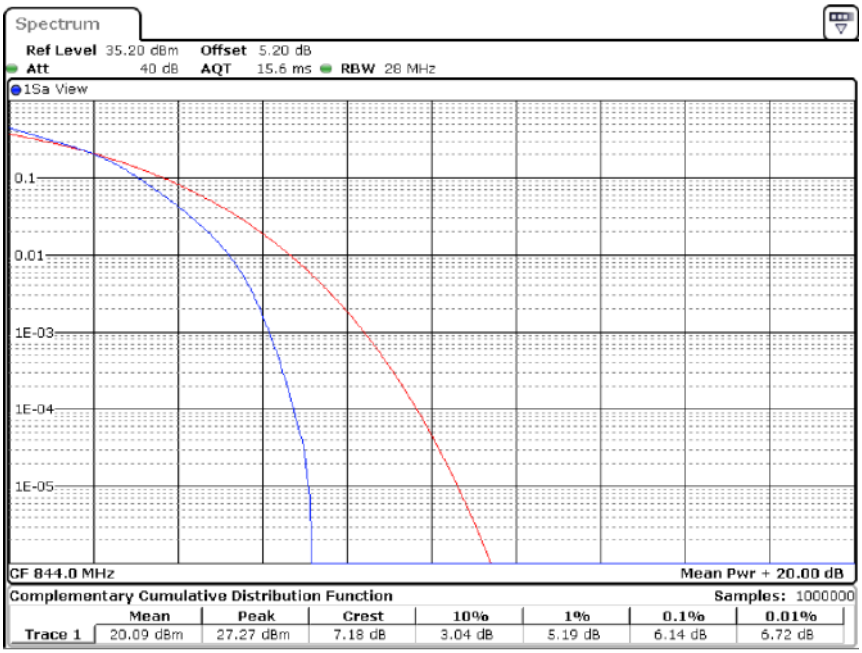
Band5-10MHz-16QAM-20600-50RB#0



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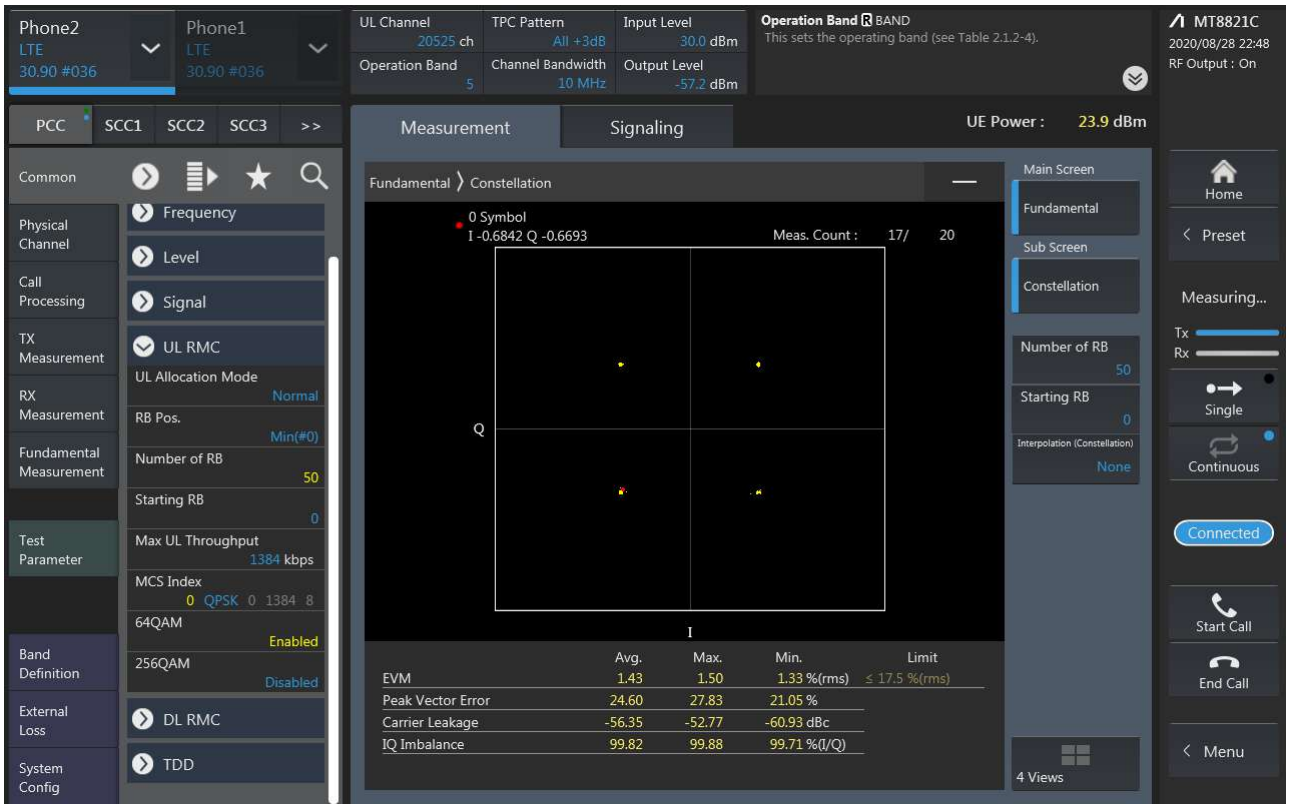
3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 10MHz

3.1.1.Test Channel = MCH



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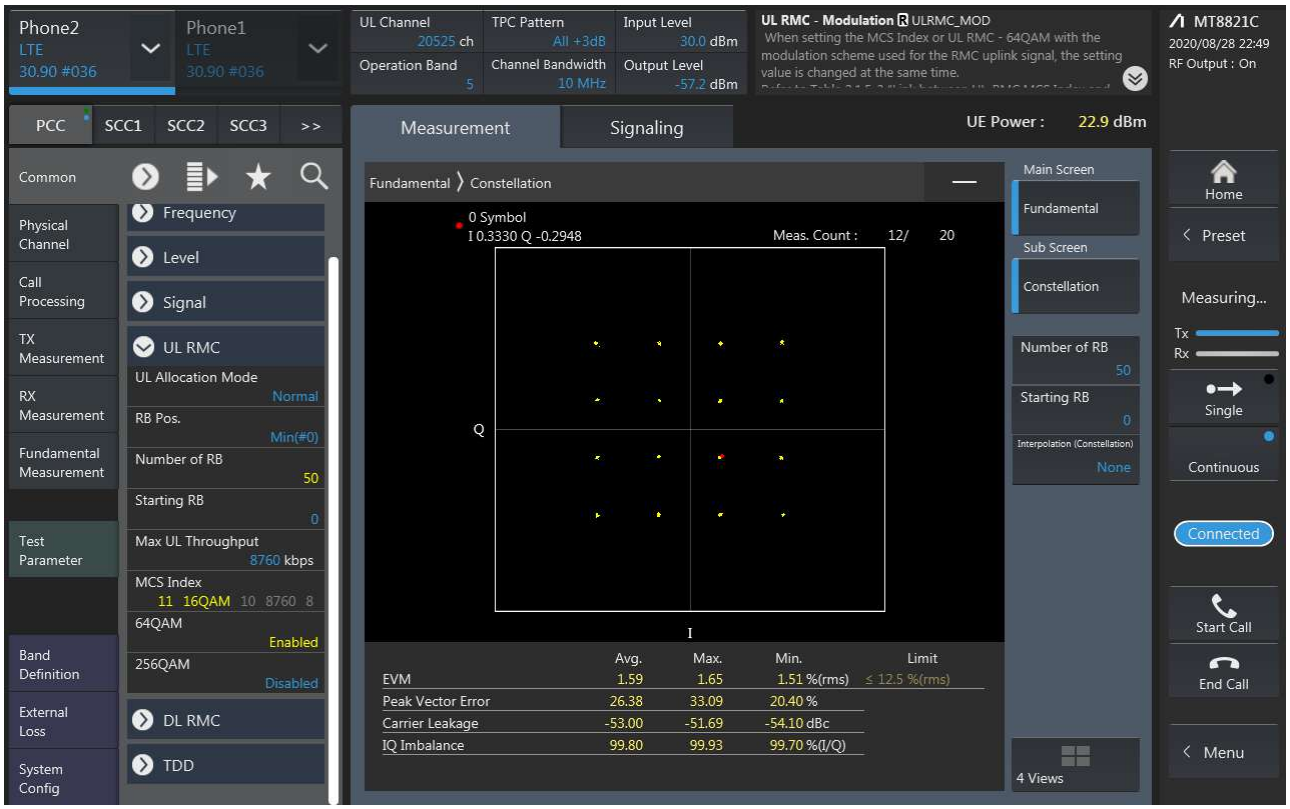
3.2. Test Mode = LTE /TM2 10MHz

3.2.1.Test Channel = MCH



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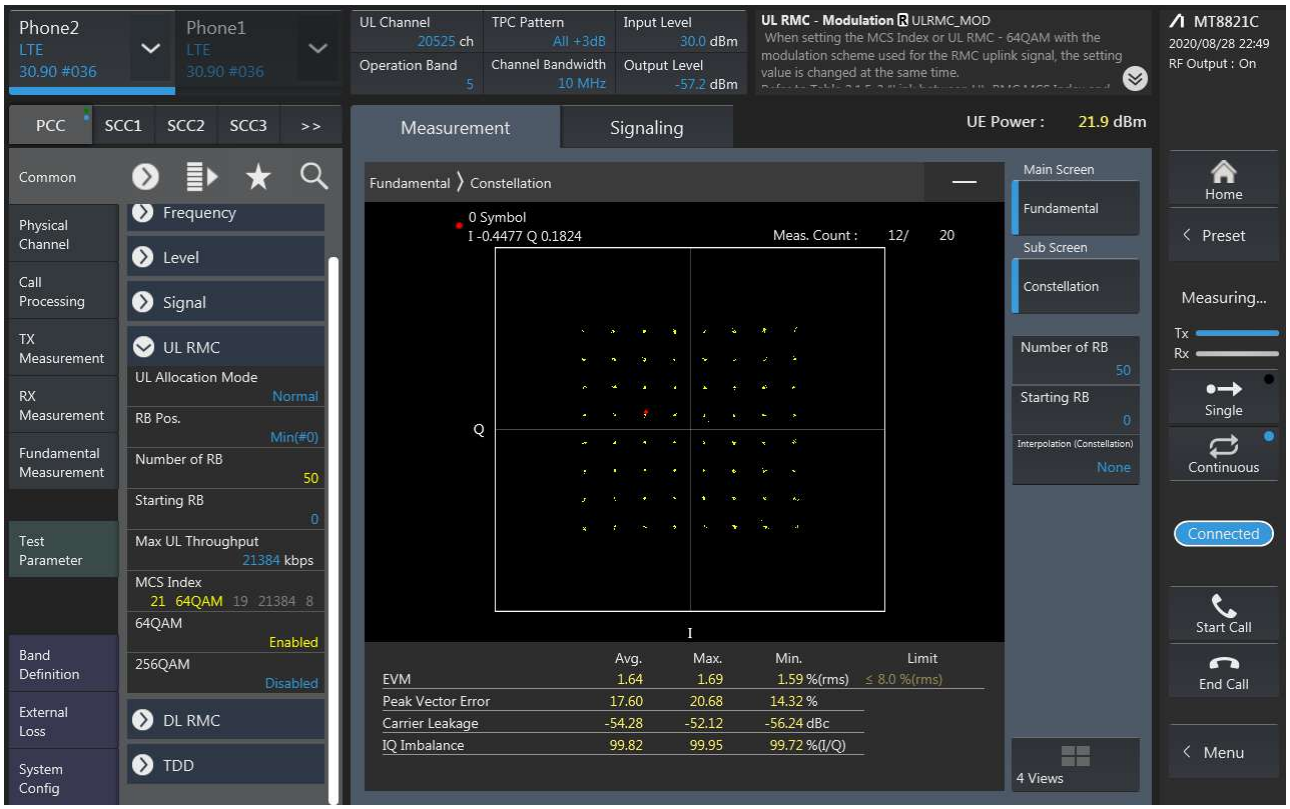
3.3. Test Mode = LTE /TM3 10MHz

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	1.088	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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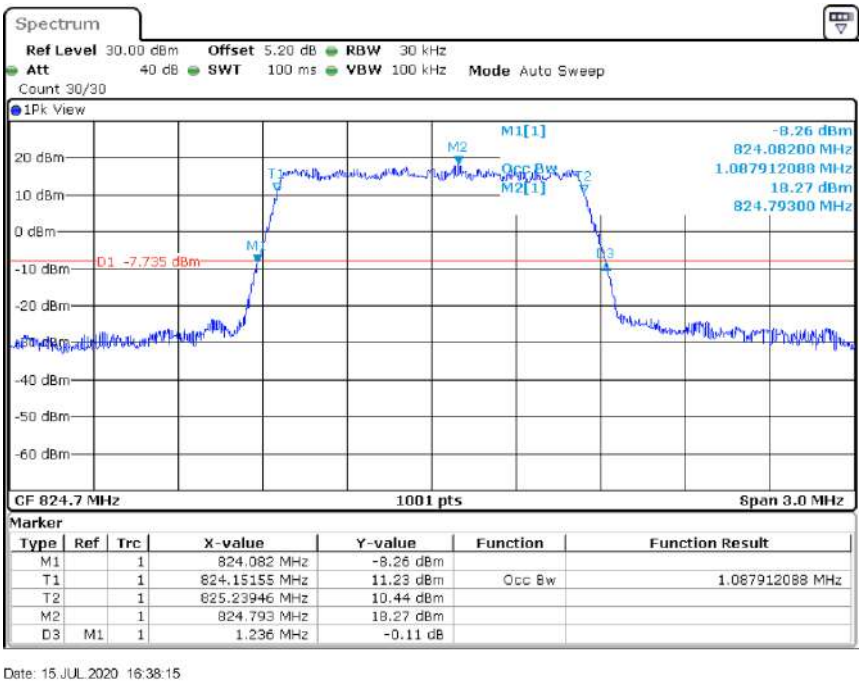
Band5	10MHz	64QAM	20525	50RB#0	8.911	9.620	PASS
Band5	10MHz	64QAM	20600	50RB#0	8.911	9.620	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.911	9.660	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.951	9.720	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.931	9.660	PASS

4.2. Test Plots

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



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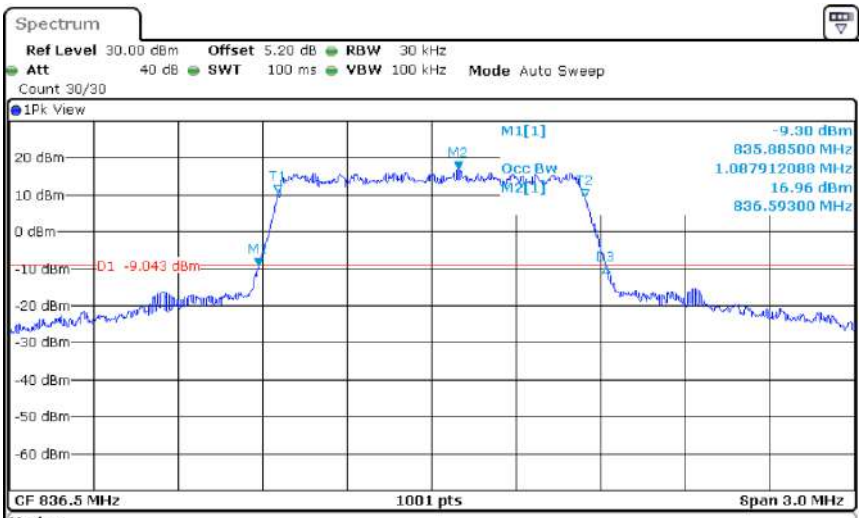
Band5-1.4MHz-QPSK-20525-6RB#0-1.088



Marker

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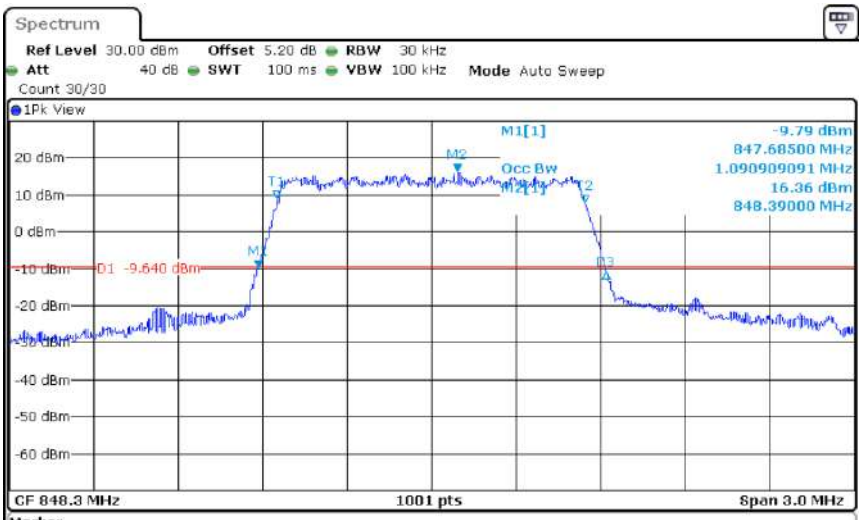
Band5-1.4MHz-QPSK-20643-6RB#0-1.091



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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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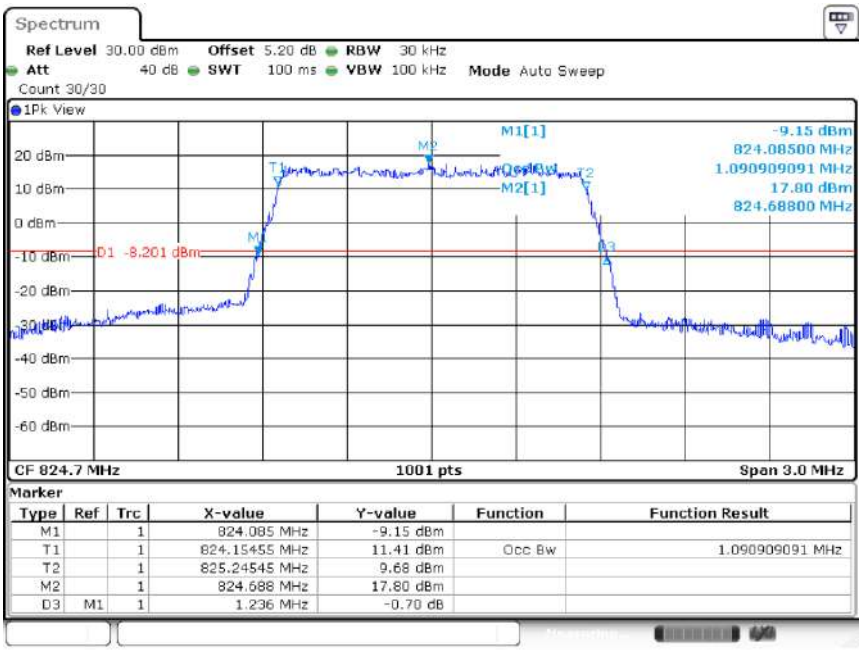
Band5-1.4MHz-64QAM-20407-6RB#0-1.091



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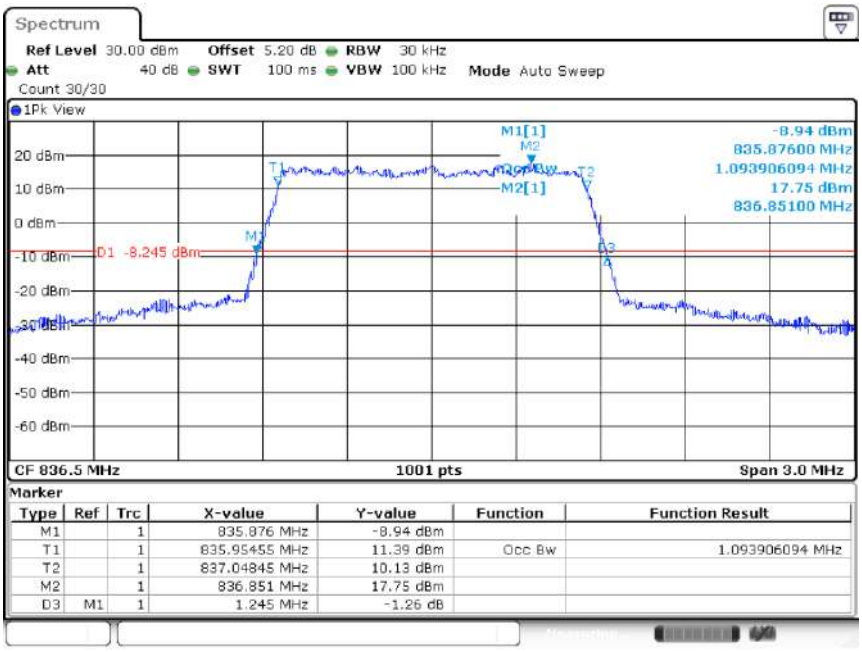
Band5-1.4MHz-64QAM-20525-6RB#0-1.094



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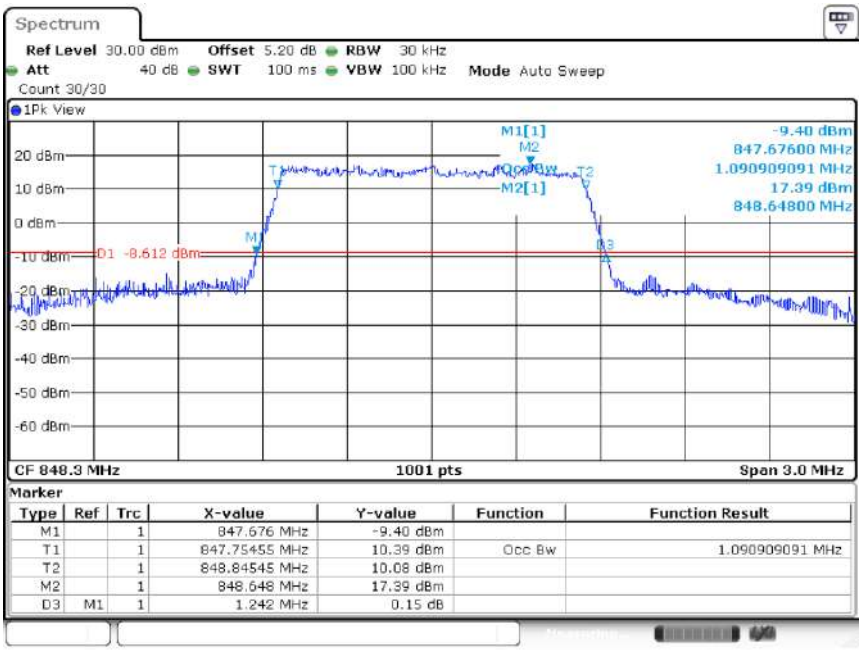

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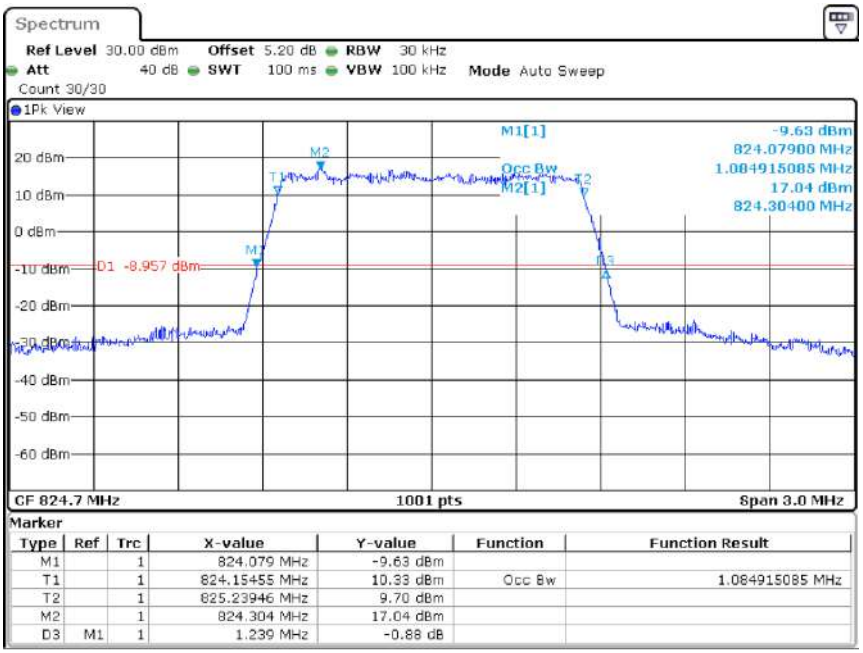
Band5-1.4MHz-16QAM-20407-6RB#0-1.085



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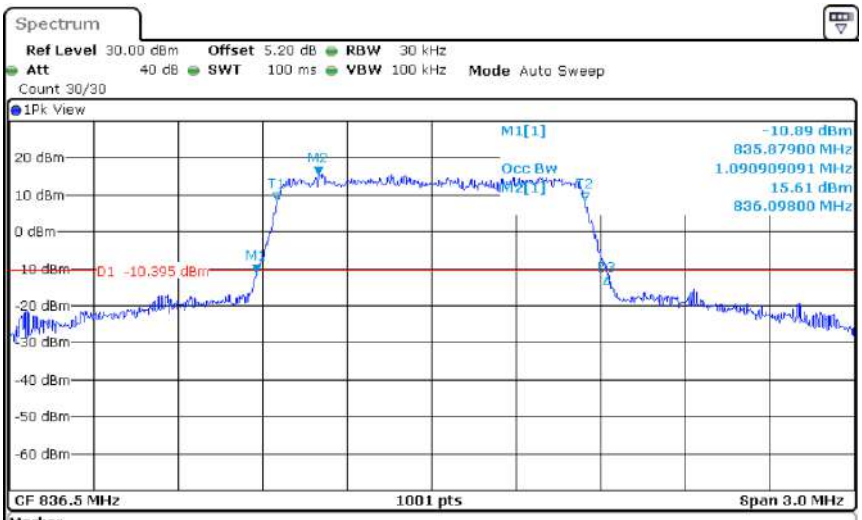
Band5-1.4MHz-16QAM-20525-6RB#0-1.091

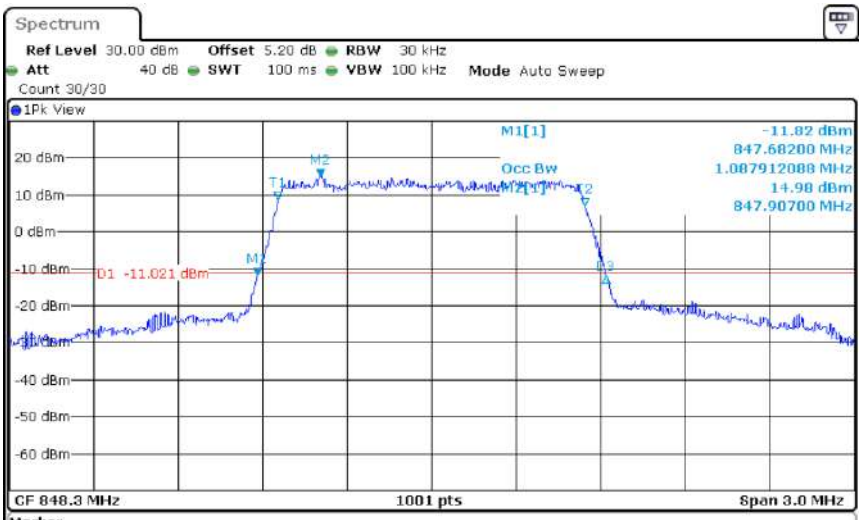


Marker

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



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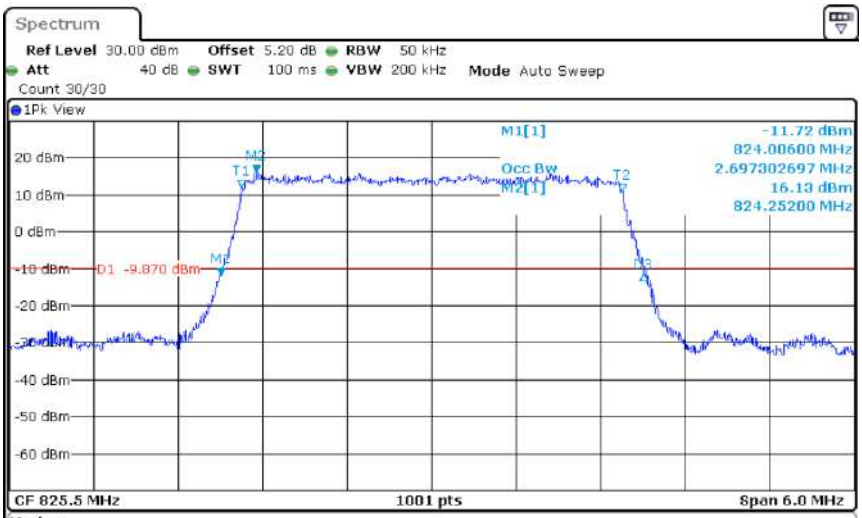
Band5-3MHz-QPSK-20415-15RB#0-2.697

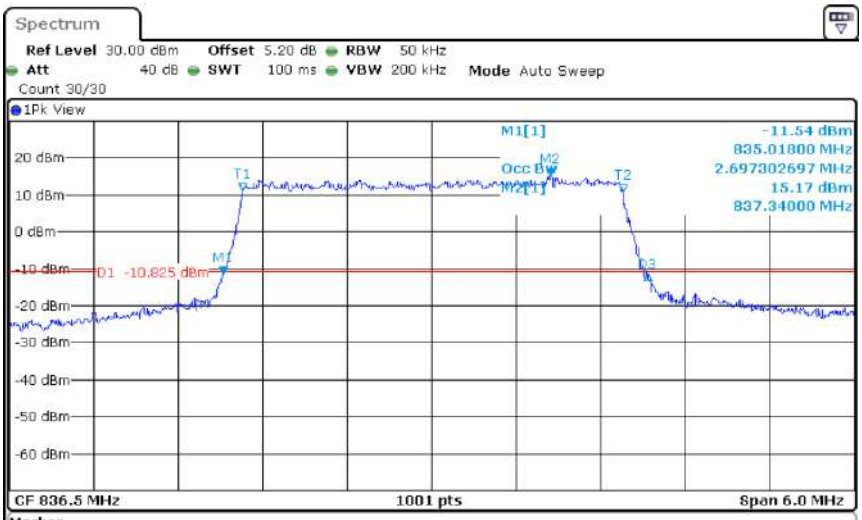


Marker

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		

Date: 15.JUL.2020 16:39:36

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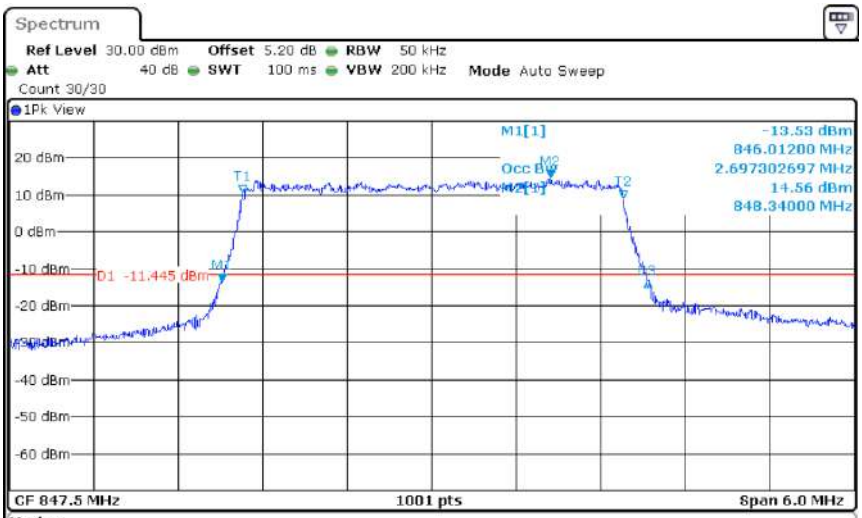
Band5-3MHz-QPSK-20635-15RB#0-2.697



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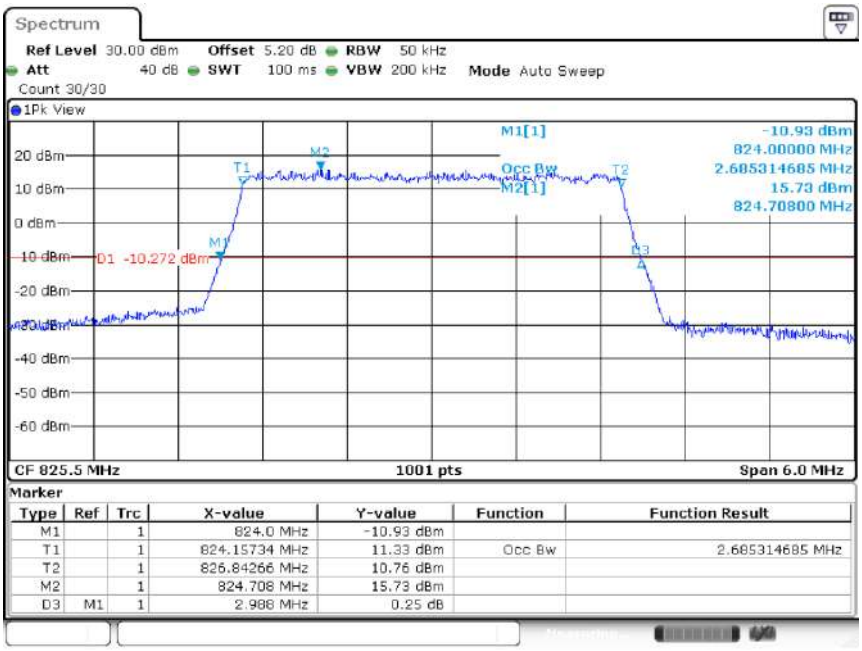
Band5-3MHz-64QAM-20415-15RB#0-2.685



Marker

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	2.986 MHz	0.25 dB		

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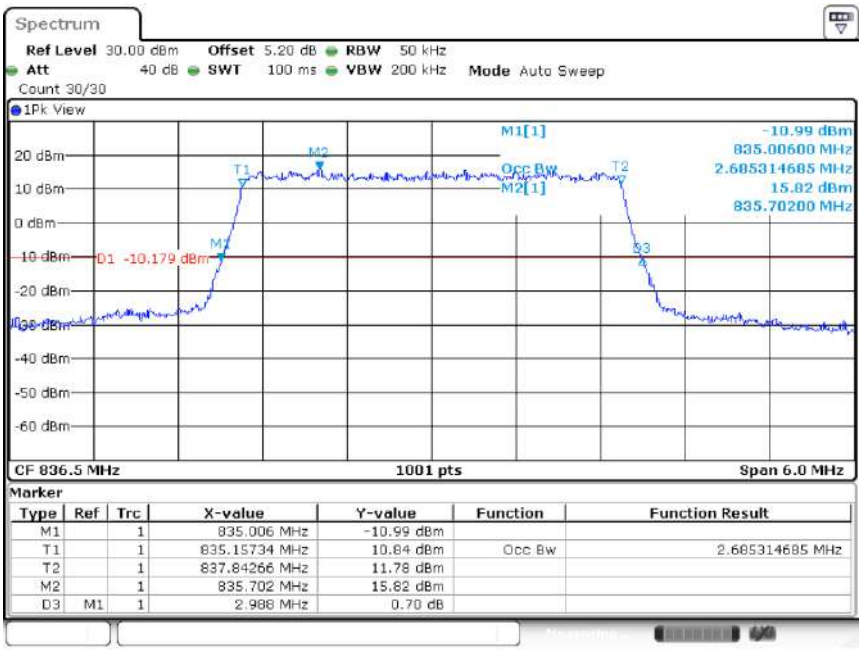
Band5-3MHz-64QAM-20525-15RB#0-2.685



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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		

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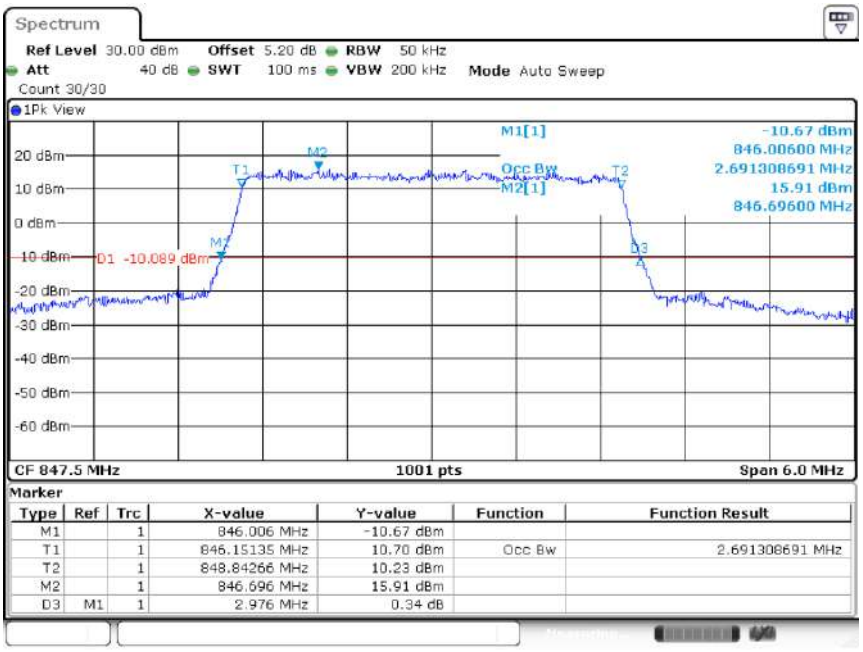
Band5-3MHz-64QAM-20635-15RB#0-2.691



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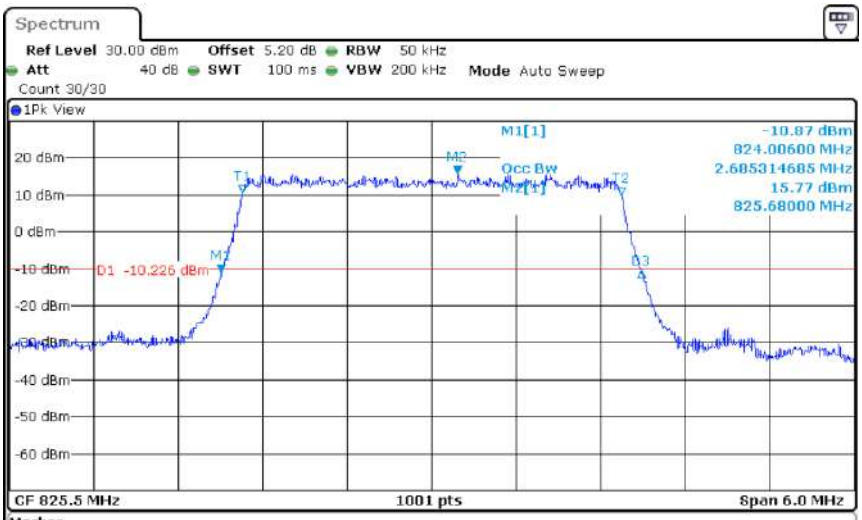
Band5-3MHz-16QAM-20415-15RB#0-2.685



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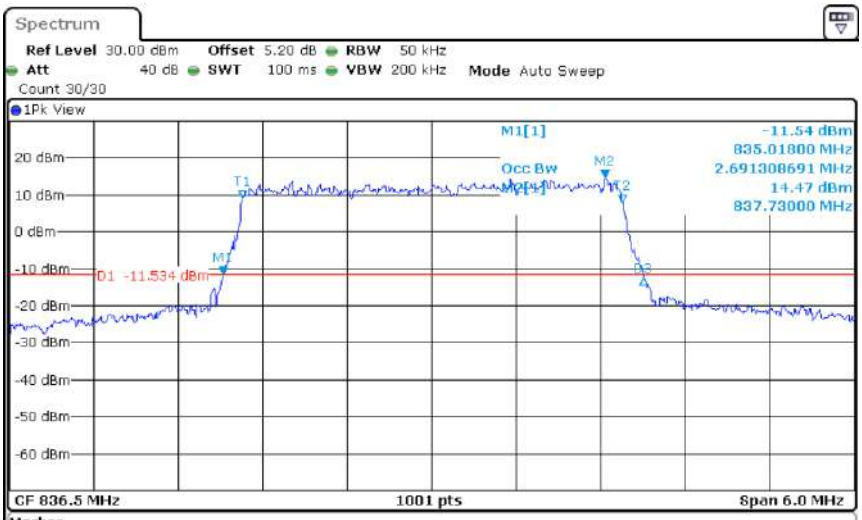
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	824.006 MHz	-10.87 dBm		
T1		1	824.15734 MHz	10.57 dBm	Occ Bw	2.685314685 MHz
T2		1	826.84266 MHz	9.93 dBm		
M2		1	825.68 MHz	15.77 dBm		
D3	M1	1	2.982 MHz	0.39 dB		

Date: 15.JUL.2020 16:39:49

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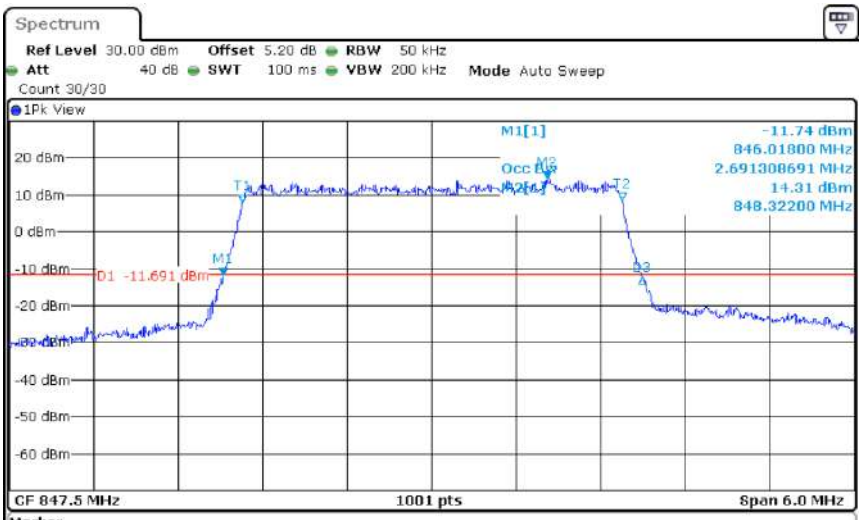
Band5-3MHz-16QAM-20635-15RB#0-2.691



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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		

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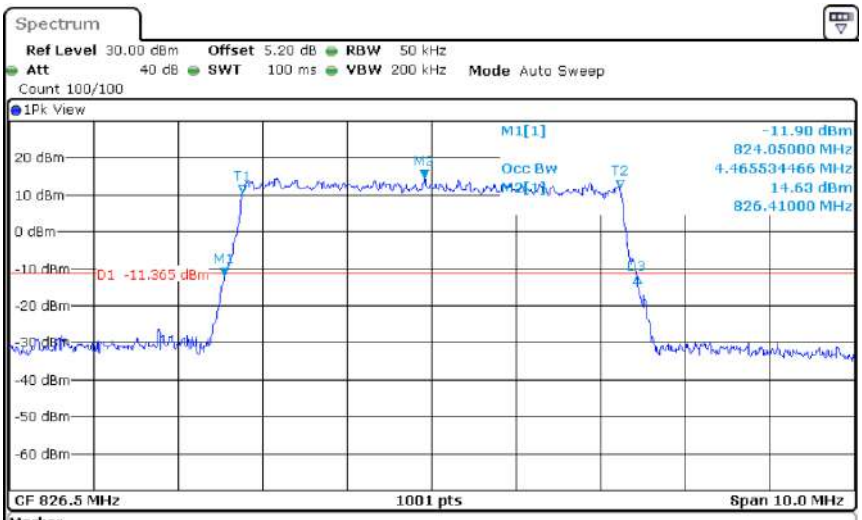
Band5-5MHz-QPSK-20425-25RB#0-4.466



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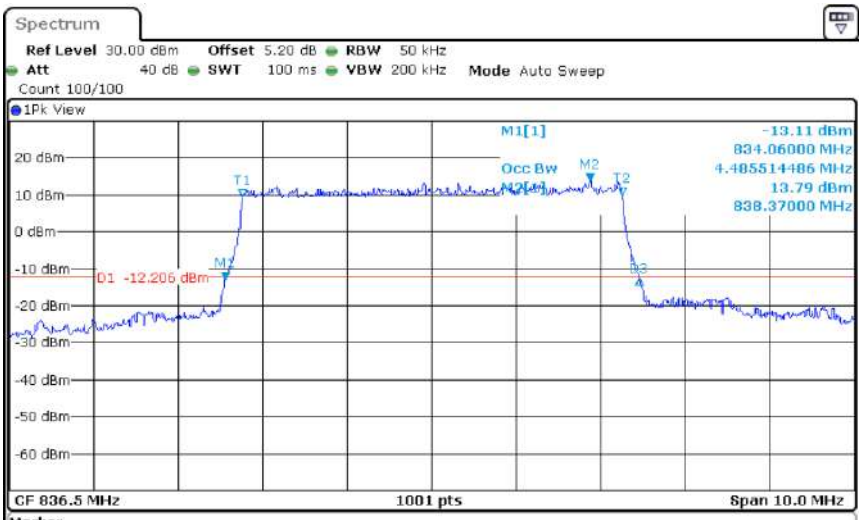
Band5-5MHz-QPSK-20525-25RB#0-4.486



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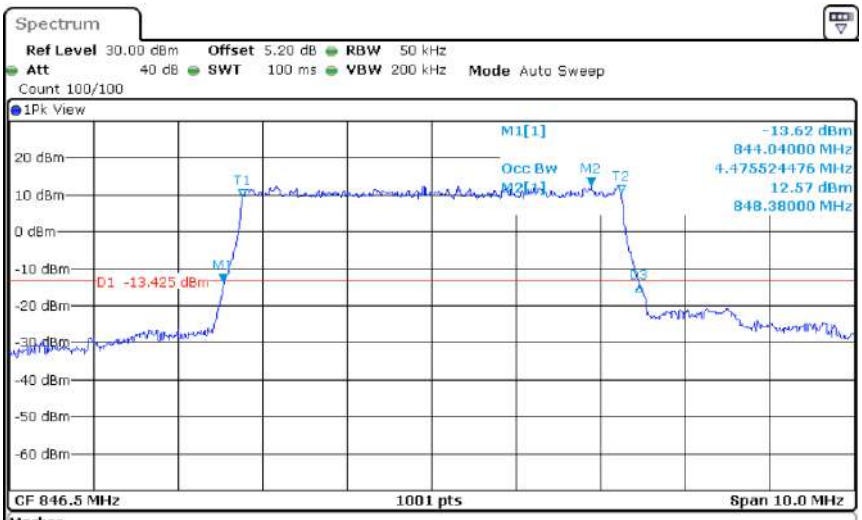
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	834.06 MHz	-13.11 dBm		
T1		1	834.26224 MHz	9.39 dBm	Occ Bw	4.485514486 MHz
T2		1	838.74775 MHz	10.01 dBm		
M2		1	838.37 MHz	13.79 dBm		
D3	M1	1	4.89 MHz	0.58 dB		

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

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



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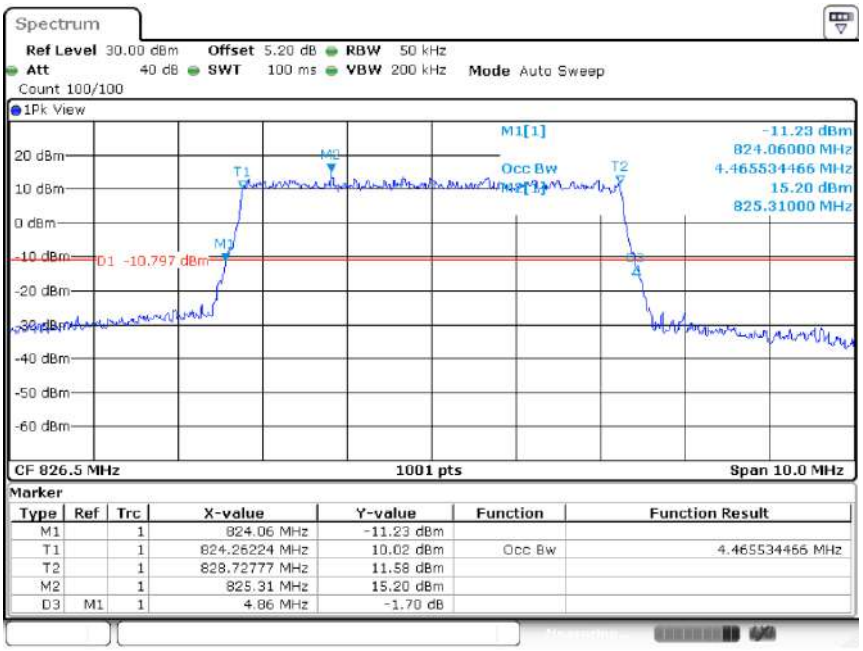
Band5-5MHz-64QAM-20425-25RB#0-4.466



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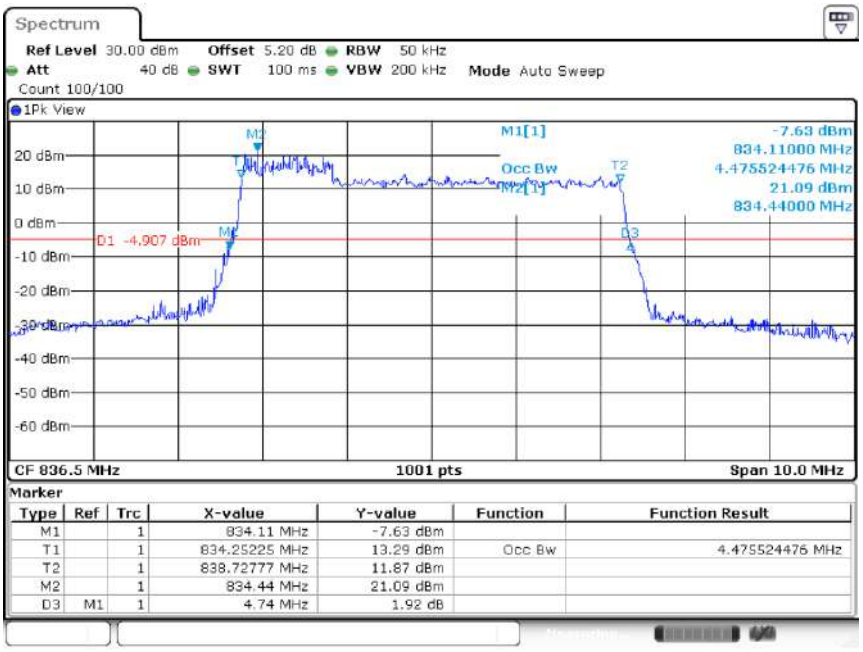
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	824.06 MHz	-11.23 dBm		
T1		1	824.26224 MHz	10.02 dBm	Occ Bw	4.465534466 MHz
T2		1	828.72777 MHz	11.58 dBm		
M2		1	825.31 MHz	15.20 dBm		
D3	M1	1	4.86 MHz	-1.70 dB		

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

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



Marker

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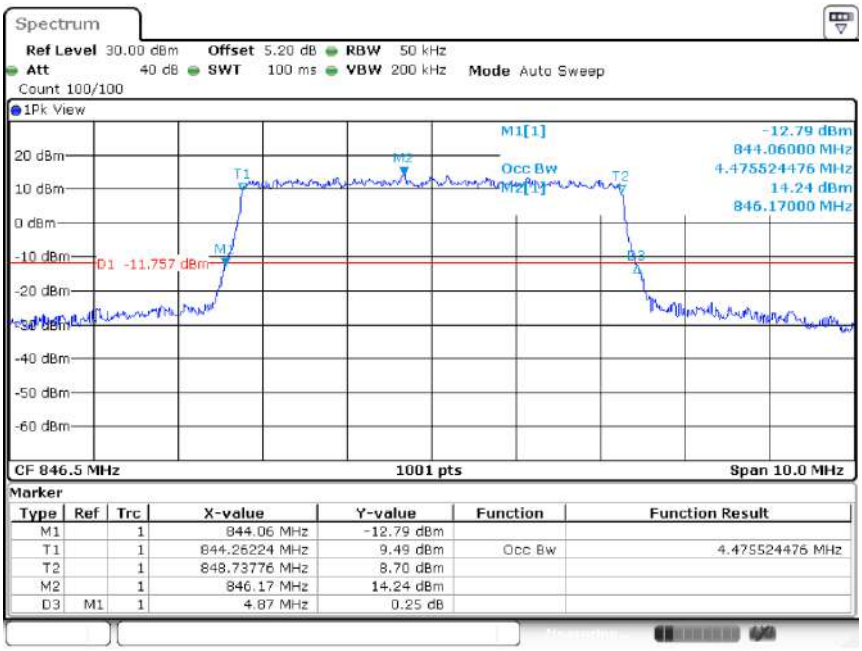
Band5-5MHz-64QAM-20625-25RB#0-4.476



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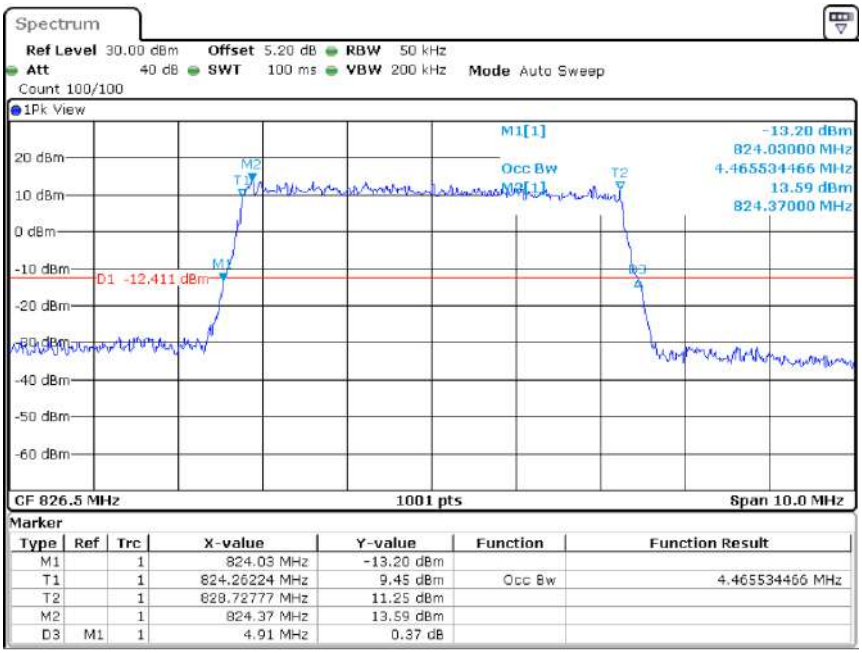
Band5-5MHz-16QAM-20425-25RB#0-4.466



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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		

Date: 15.JUL.2020 16:41:24

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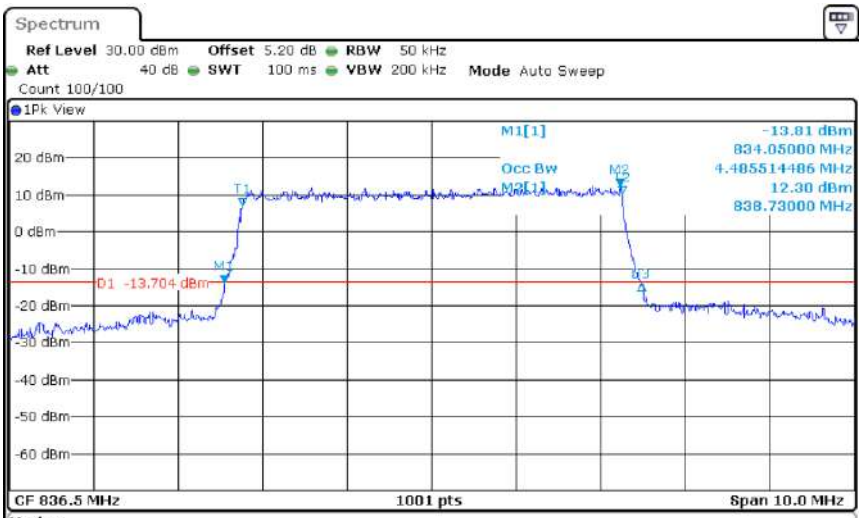
Band5-5MHz-16QAM-20525-25RB#0-4.486



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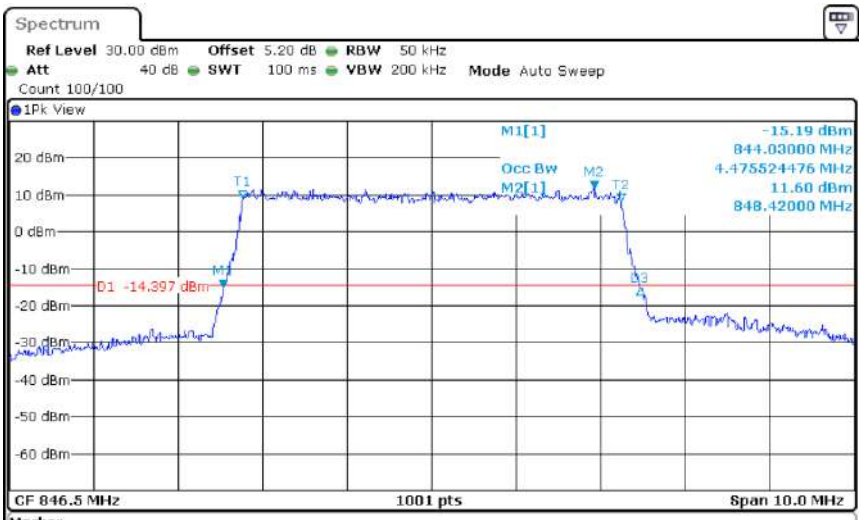
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	834.05 MHz	-13.81 dBm		
T1		1	834.26224 MHz	7.13 dBm	Occ Bw	4.485514486 MHz
T2		1	838.74775 MHz	10.16 dBm		
M2		1	838.73 MHz	12.30 dBm		
D3	M1	1	4.93 MHz	-0.17 dB		

Date: 15.JUL.2020 16:42:04

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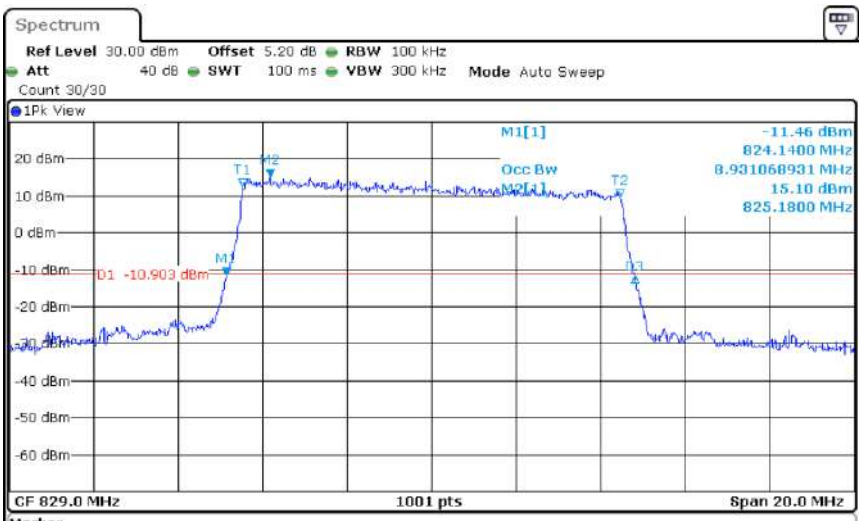
Band5-10MHz-QPSK-20450-50RB#0-8.931

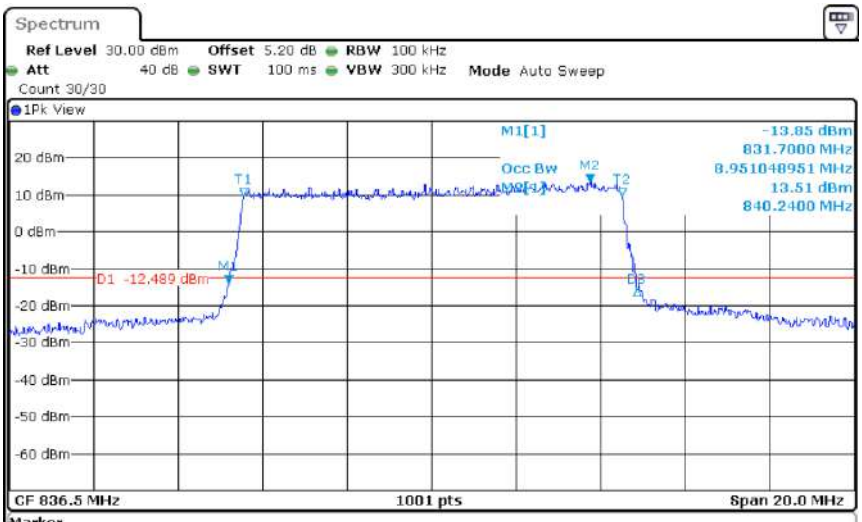


Marker

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		

Date: 15.JUL.2020 16:43:01

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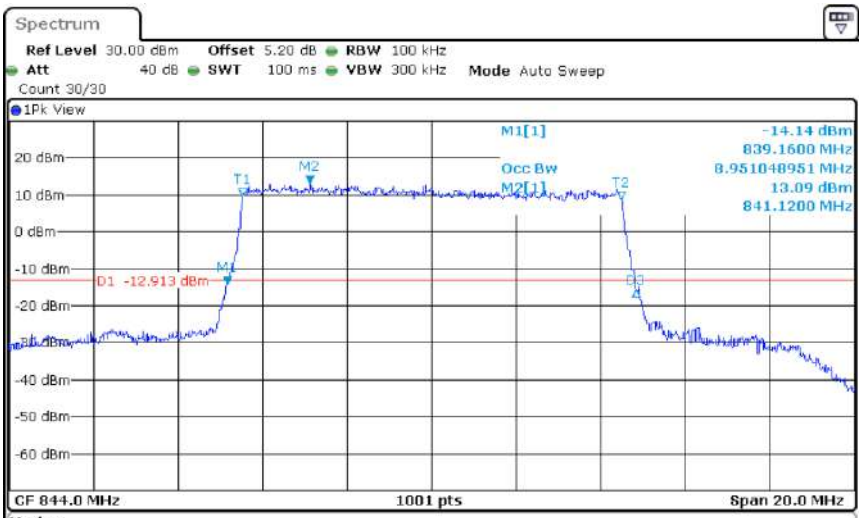
Band5-10MHz-QPSK-20600-50RB#0-8.951



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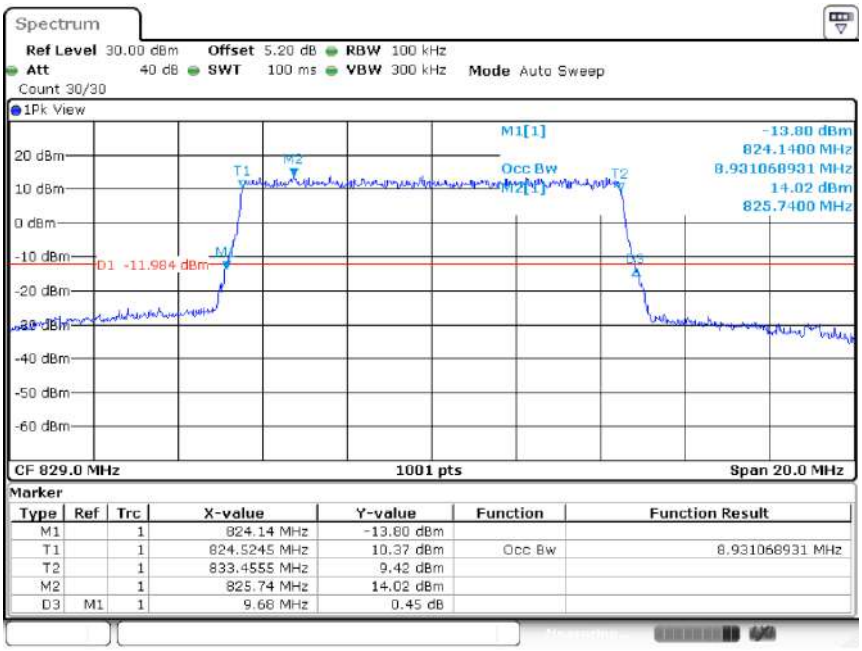
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	839.16 MHz	-14.14 dBm		
T1		1	839.5245 MHz	9.60 dBm	Occ Bw	8.951048951 MHz
T2		1	848.4755 MHz	8.66 dBm		
M2		1	841.12 MHz	13.09 dBm		
D3	M1	1	9.68 MHz	-1.54 dB		

Date: 15.JUL.2020 16:43:53

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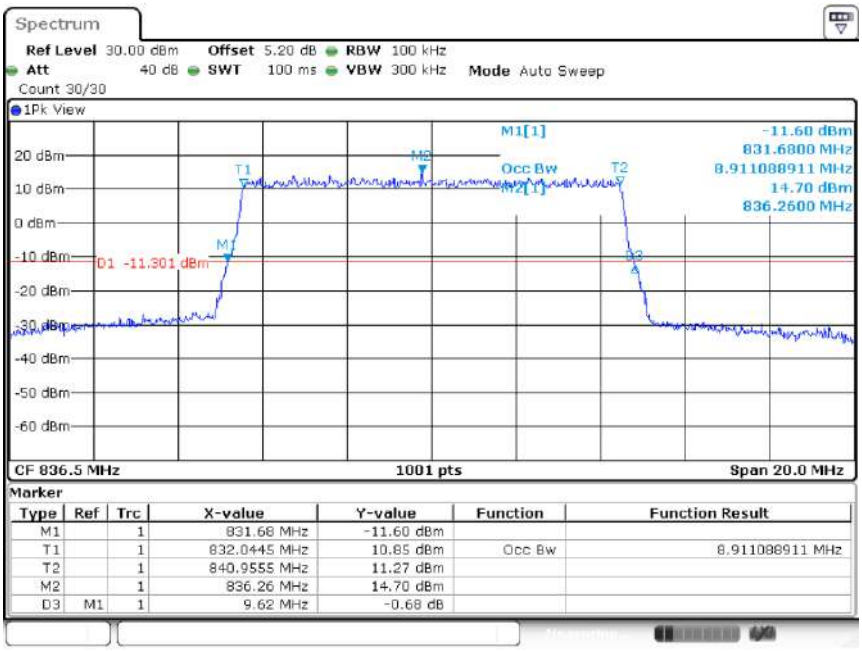
Band5-10MHz-64QAM-20525-50RB#0-8.911



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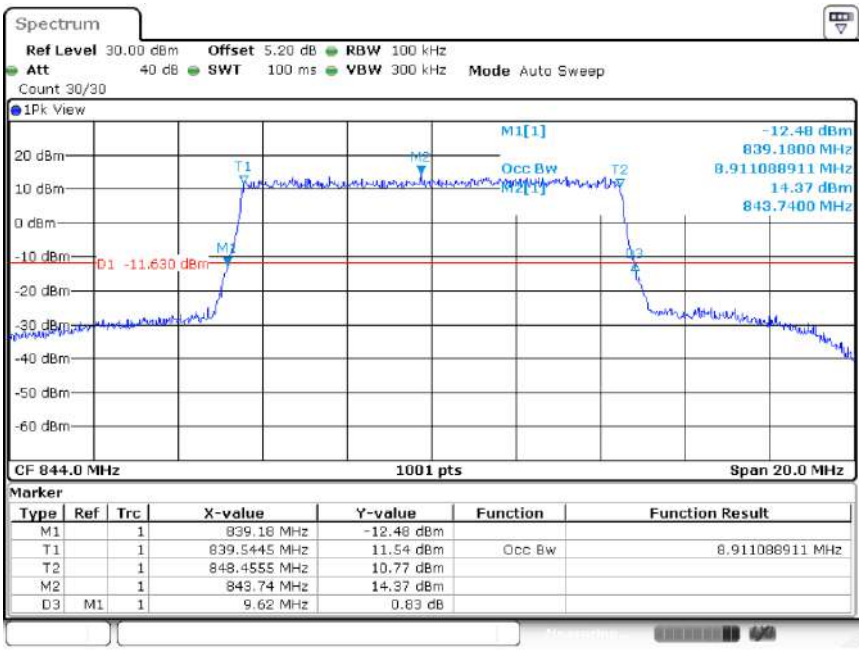
Band5-10MHz-64QAM-20600-50RB#0-8.911



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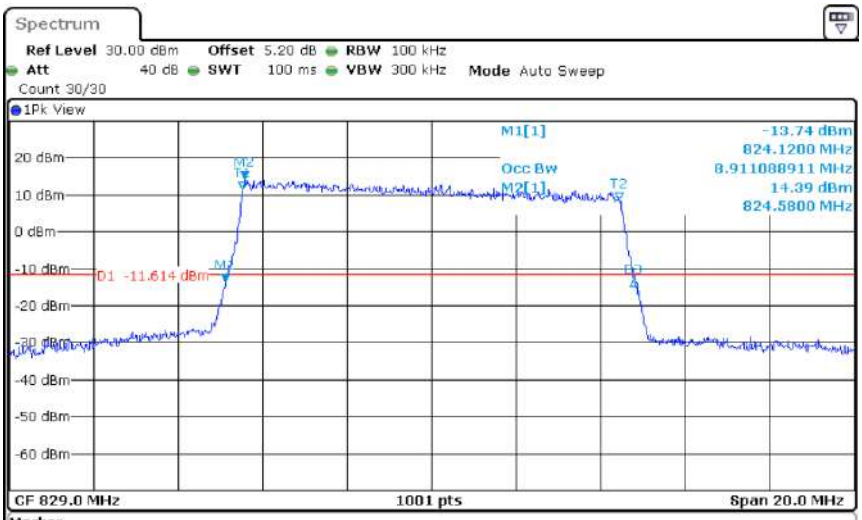
Band5-10MHz-16QAM-20450-50RB#0-8.911



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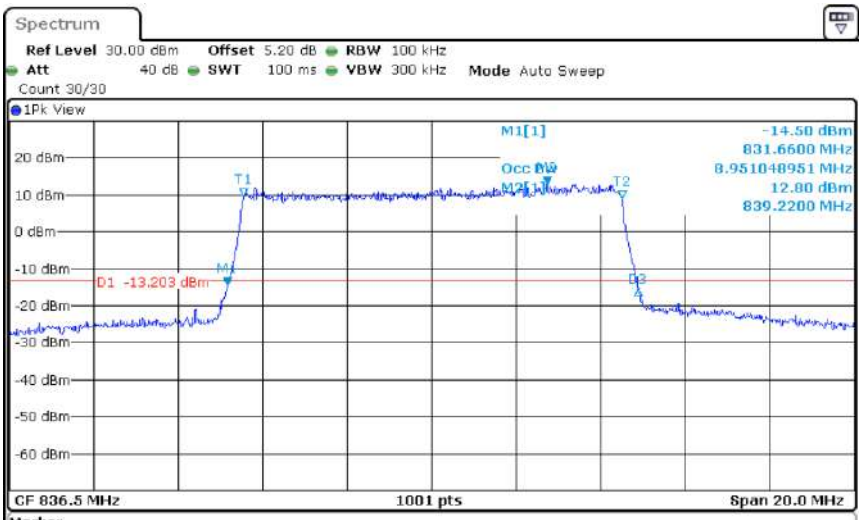
Band5-10MHz-16QAM-20525-50RB#0-8.951



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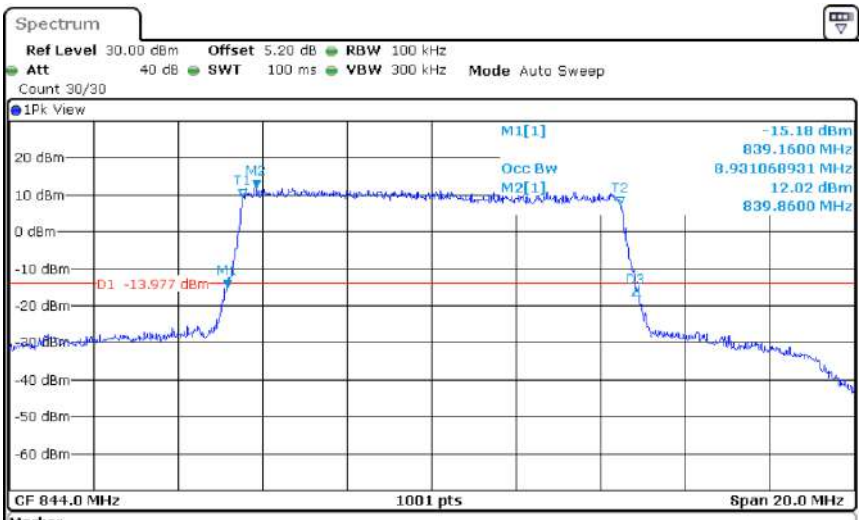
Band5-10MHz-16QAM-20600-50RB#0-8.931



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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		

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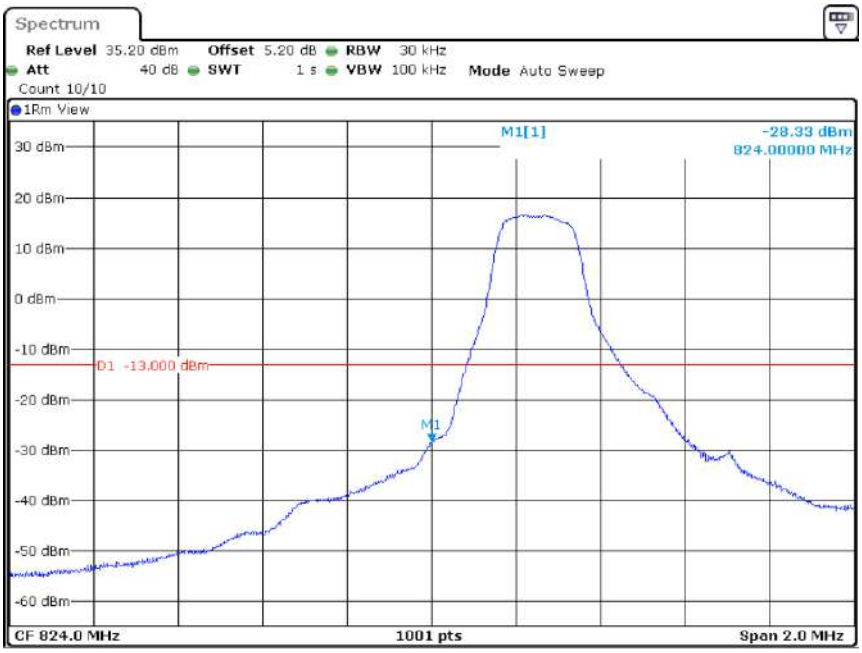
5. Band Edge Compliance

5.1. Test Plots

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



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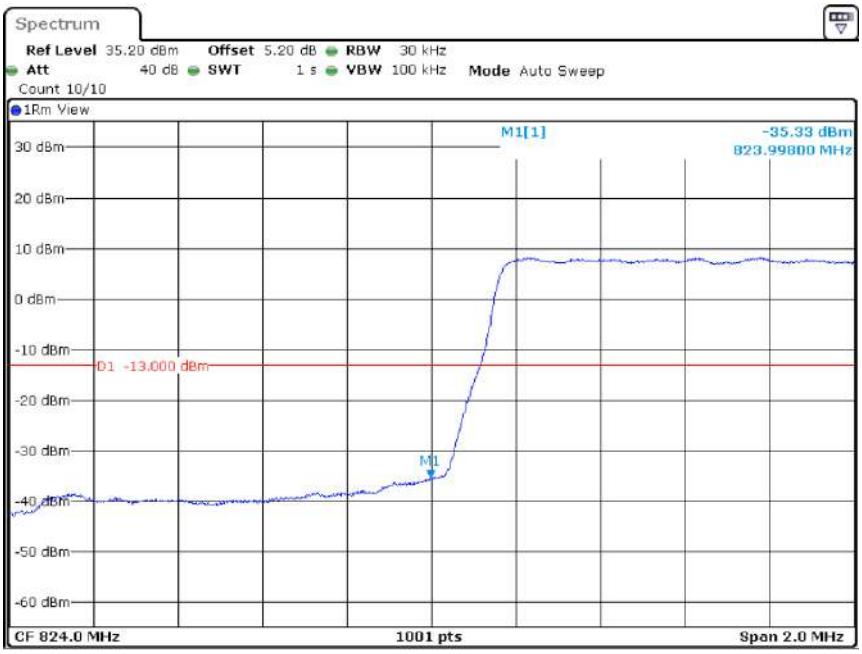
Band5-1.4MHz-QPSK-20407-6RB#0



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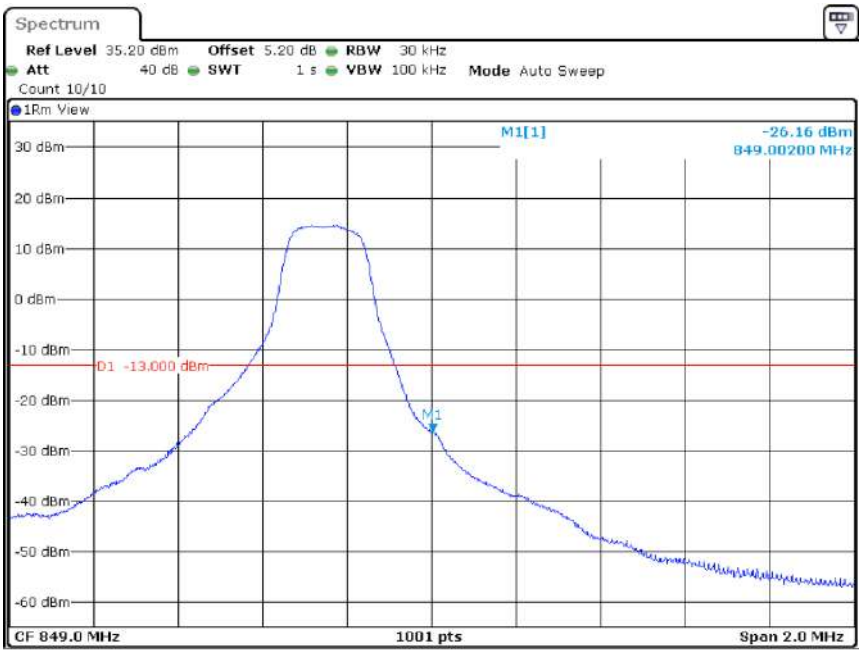
Band5-1.4MHz-QPSK-20643-1RB#5



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

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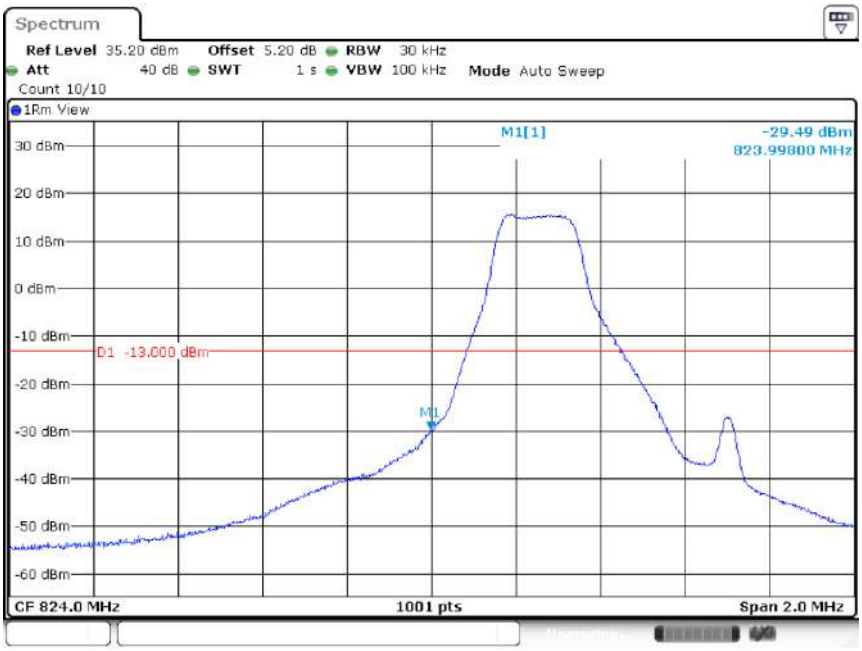
Band5-1.4MHz-QPSK-20643-6RB#0

Date: 15.JUL.2020 16:46:38

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



Date: 10.AUG.2020 23:48:10

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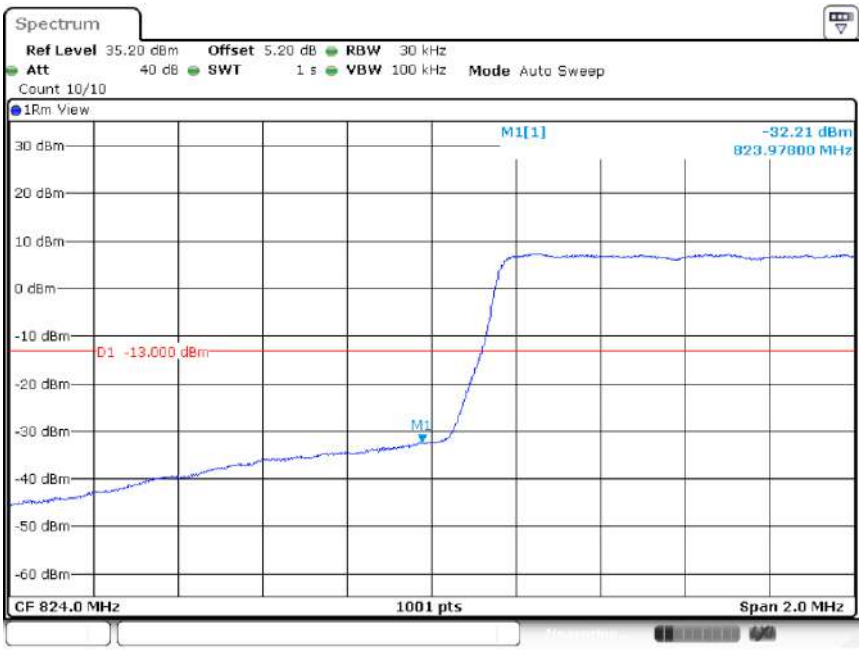
Band5-1.4MHz-64QAM-20407-6RB#0



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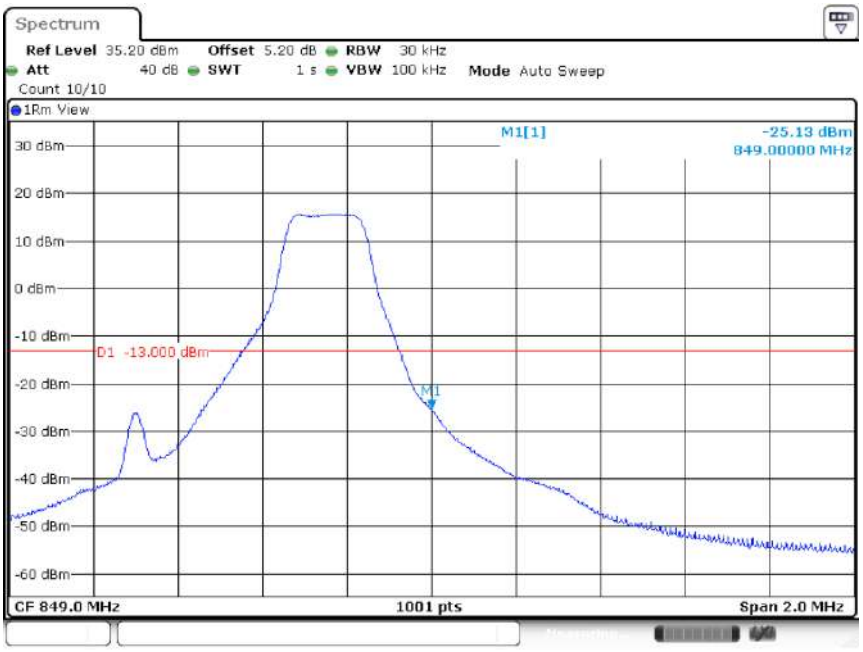
Band5-1.4MHz-64QAM-20643-1RB#5



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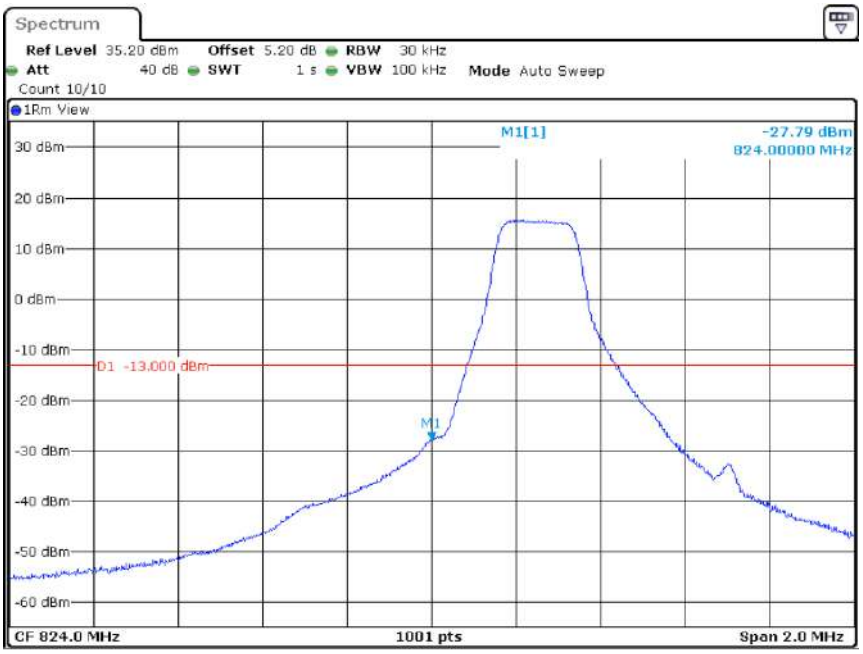
Band5-1.4MHz-64QAM-20643-6RB#0

Date: 10.AUG.2020 23:49:17

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



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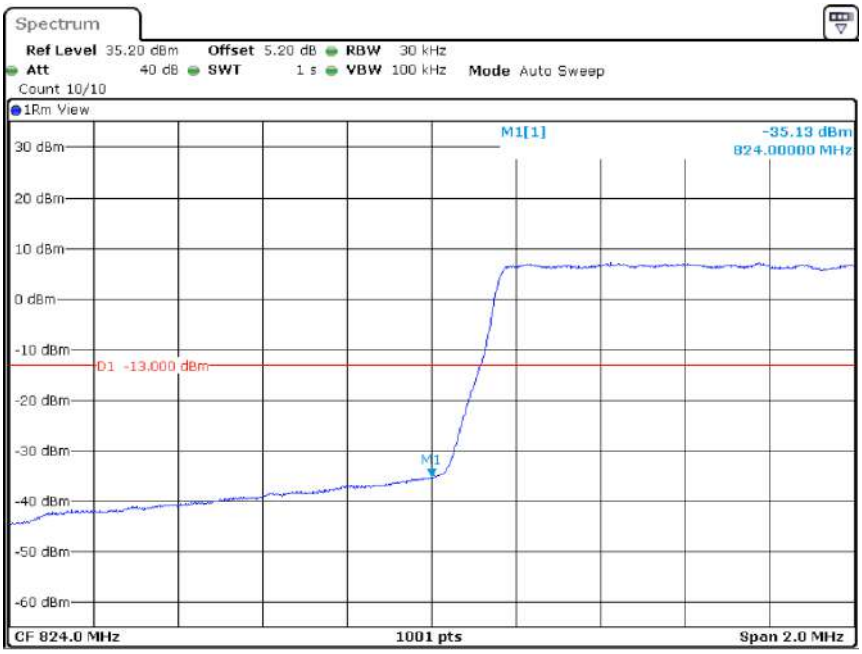

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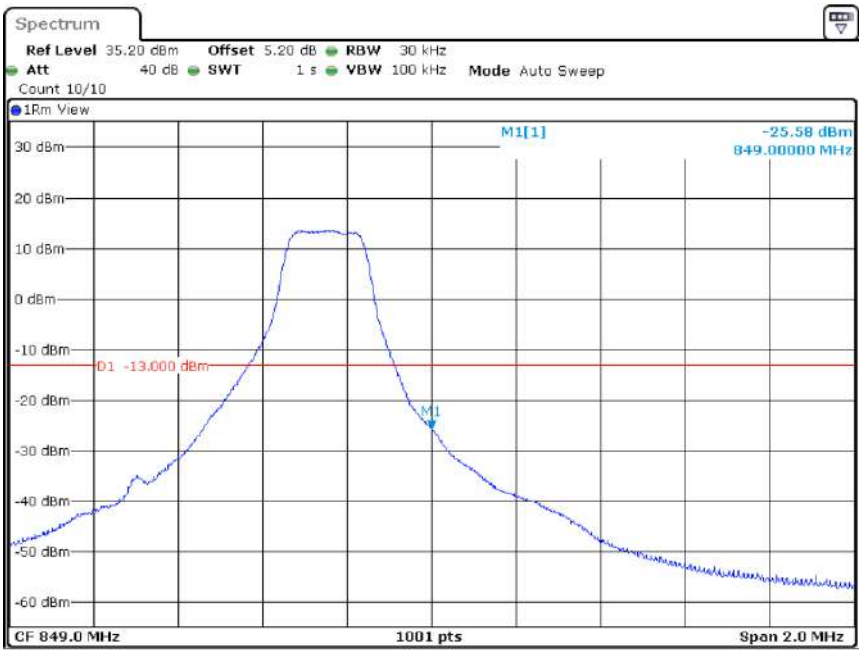

Date: 15.JUL.2020 16:46:18

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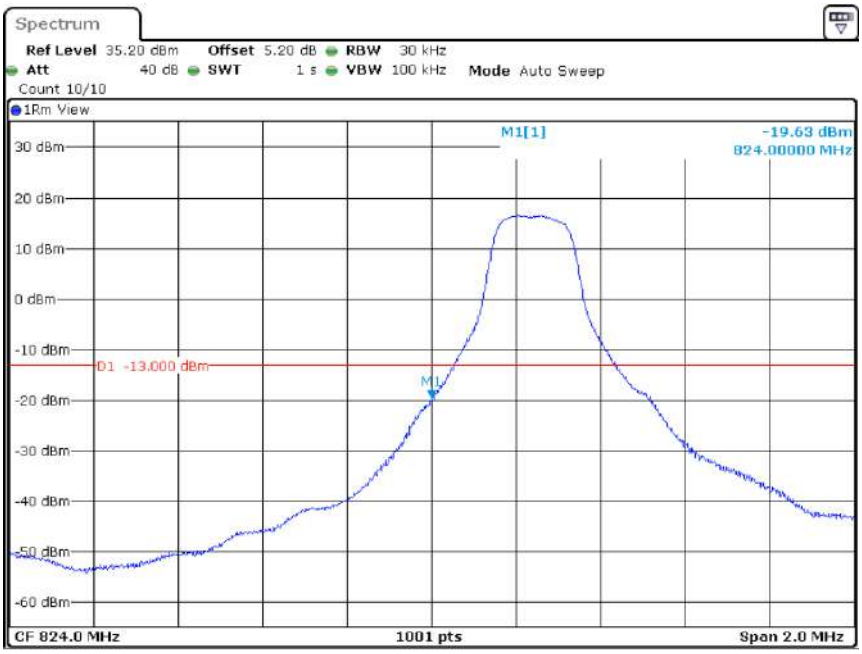
Band5-1.4MHz-16QAM-20643-6RB#0

Date: 15.JUL.2020 16:46:59

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



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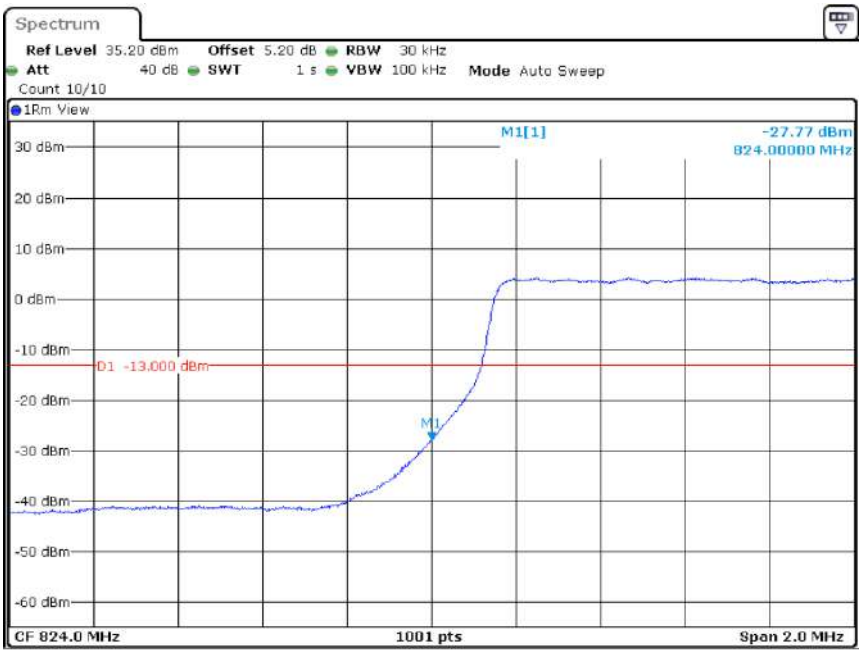

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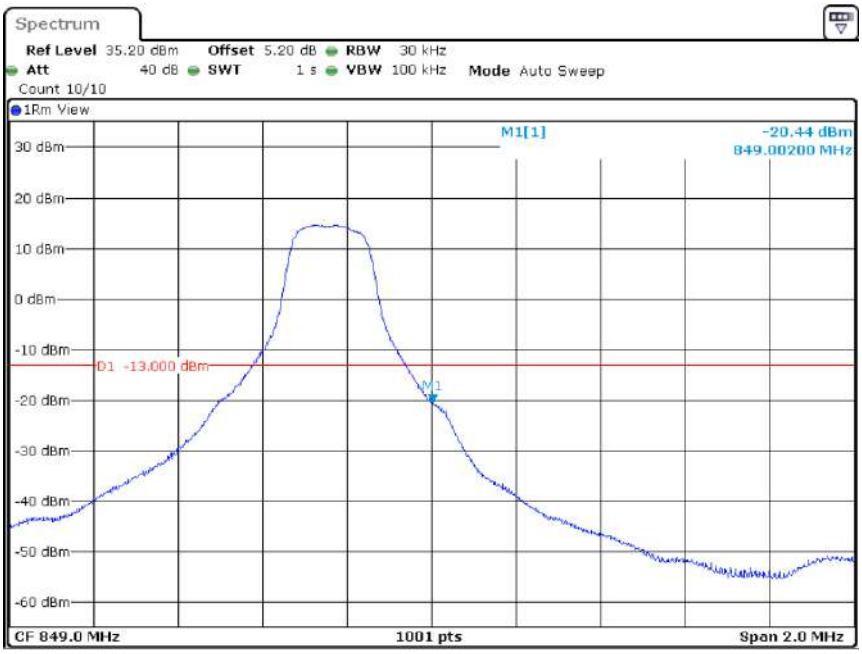

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Band5-3MHz-QPSK-20635-15RB#0

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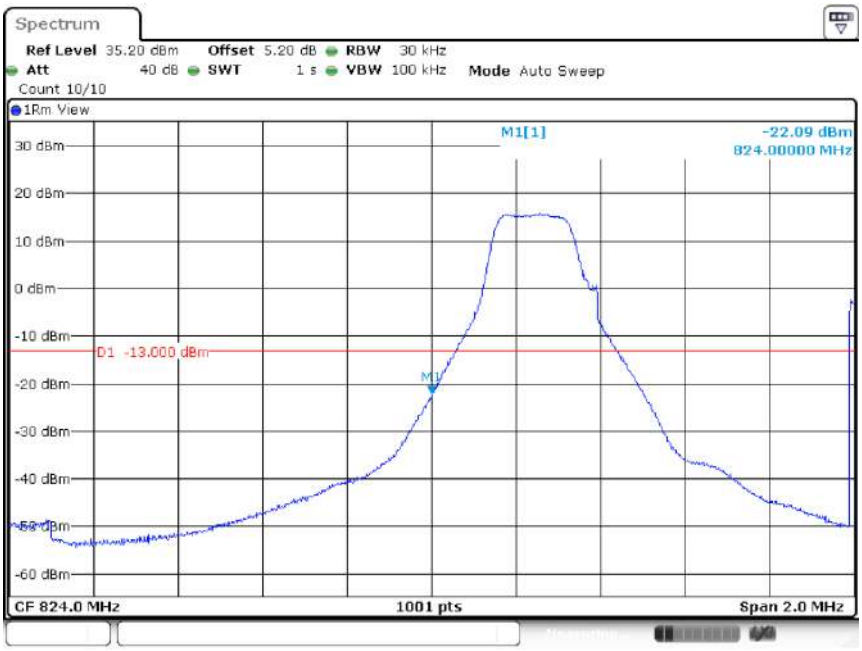
Band5-3MHz-64QAM-20415-1RB#0



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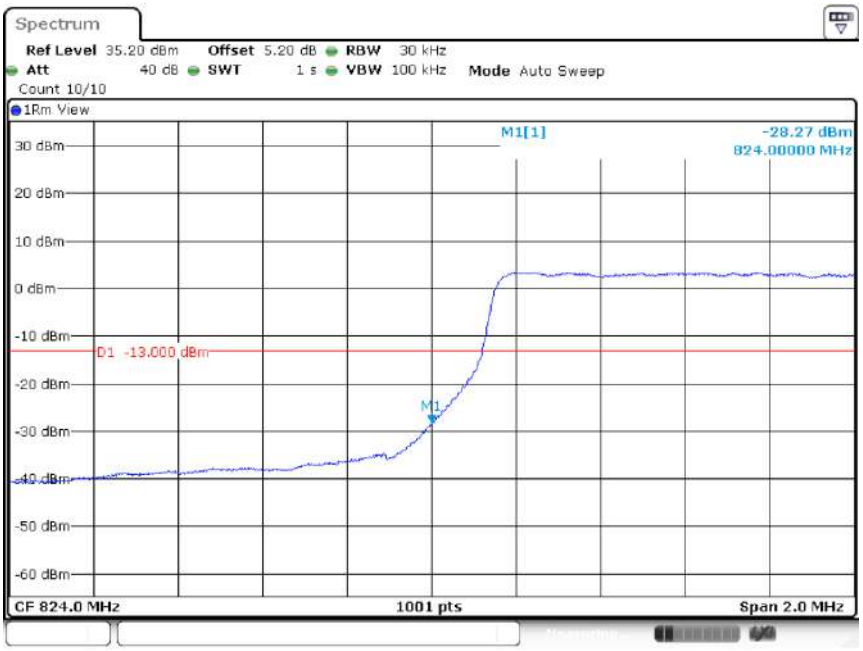

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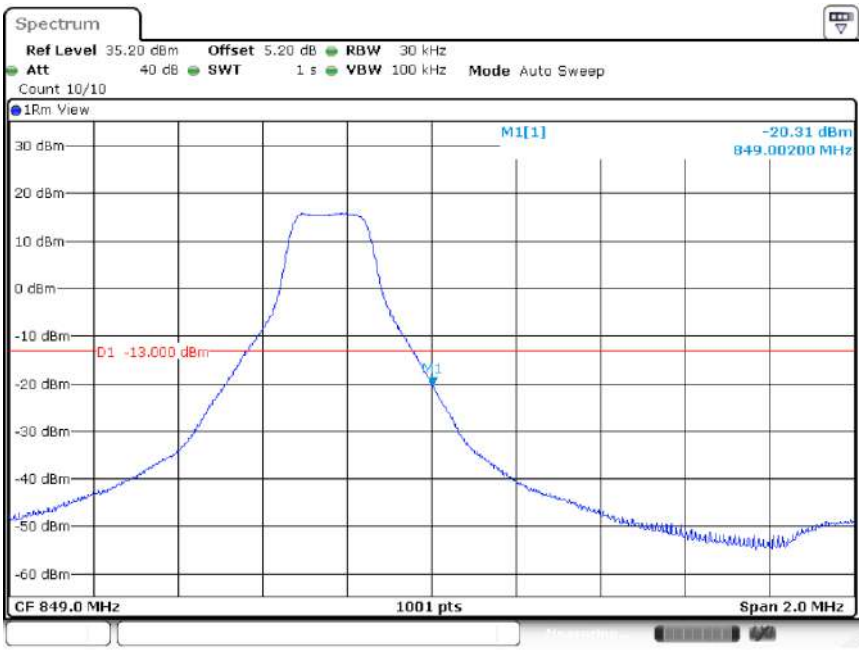

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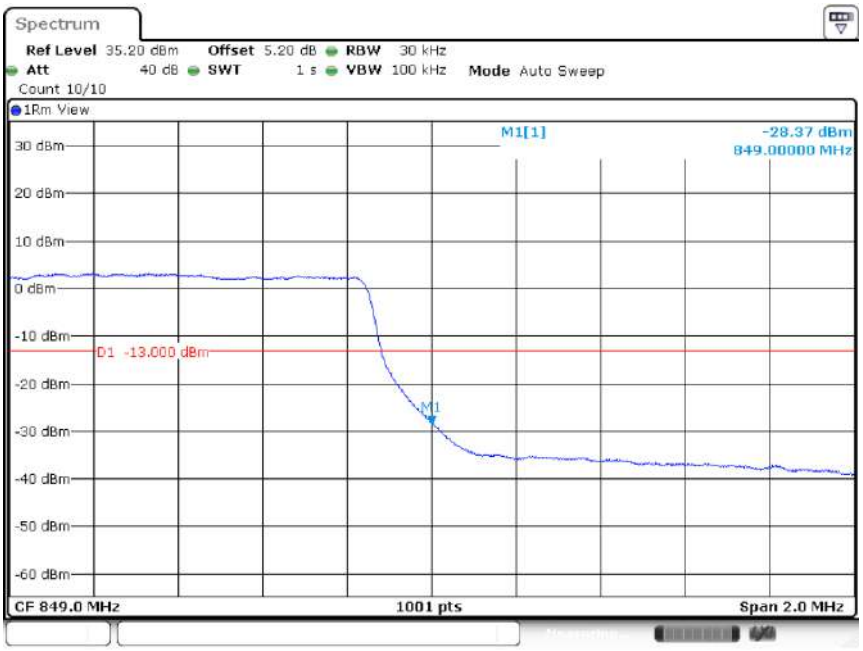

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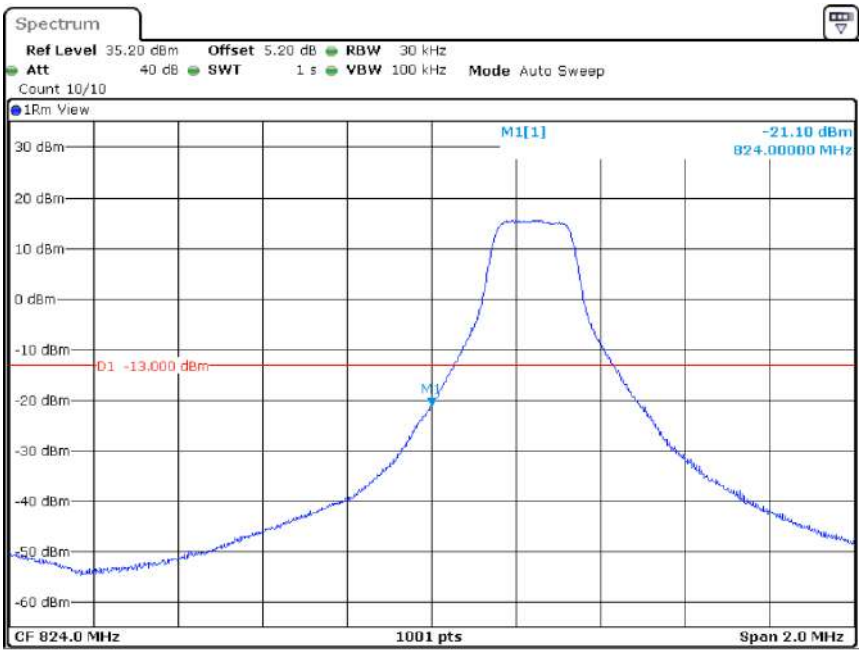

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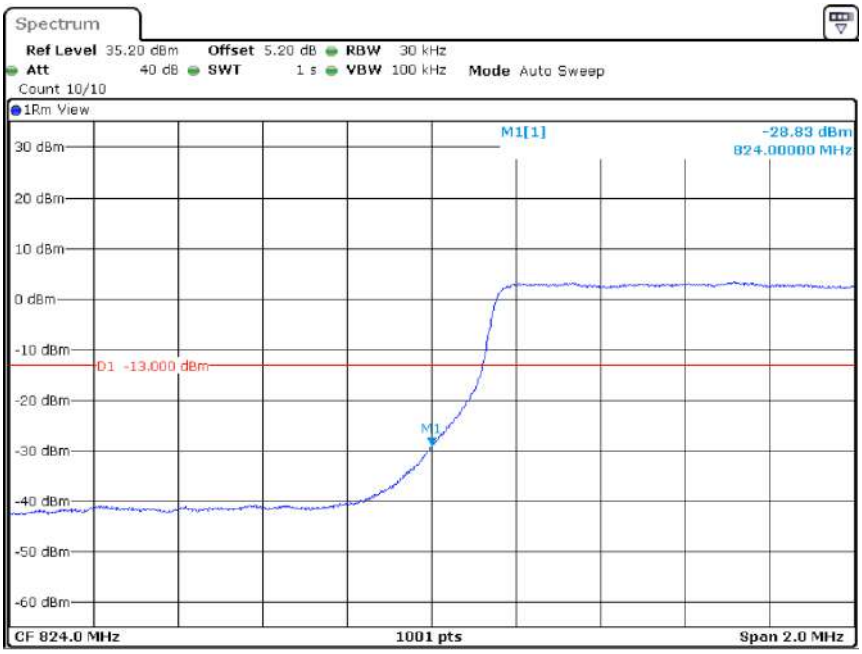
Band5-3MHz-16QAM-20415-15RB#0



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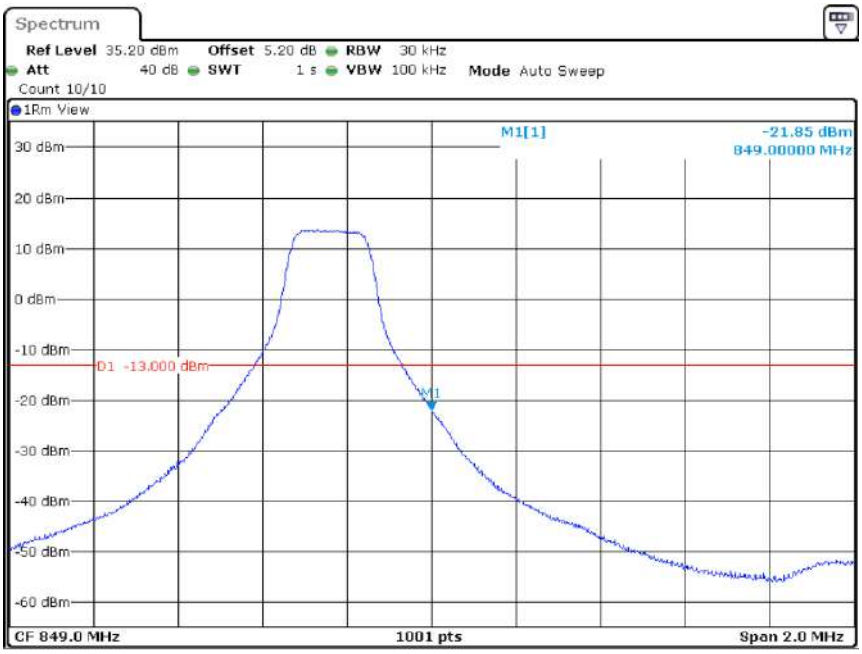
Band5-3MHz-16QAM-20635-1RB#14



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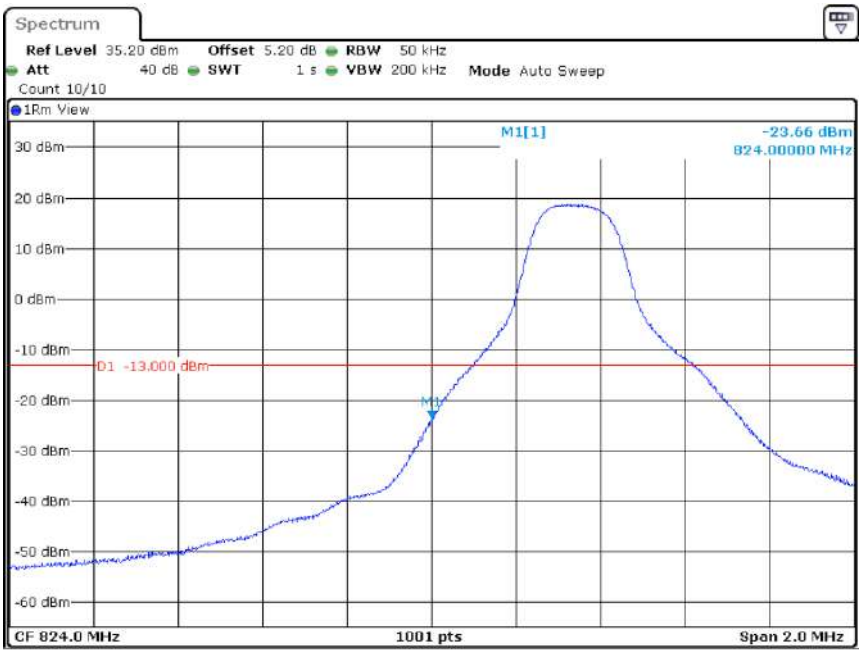
Band5-3MHz-16QAM-20635-15RB#0

Date: 15.JUL.2020 16:49:52

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



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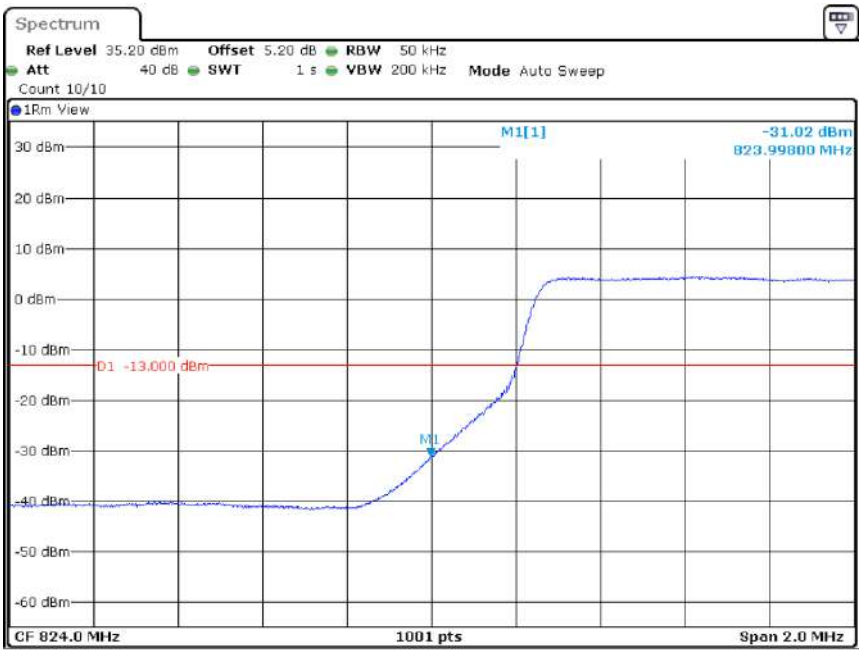
Band5-5MHz-QPSK-20425-25RB#0



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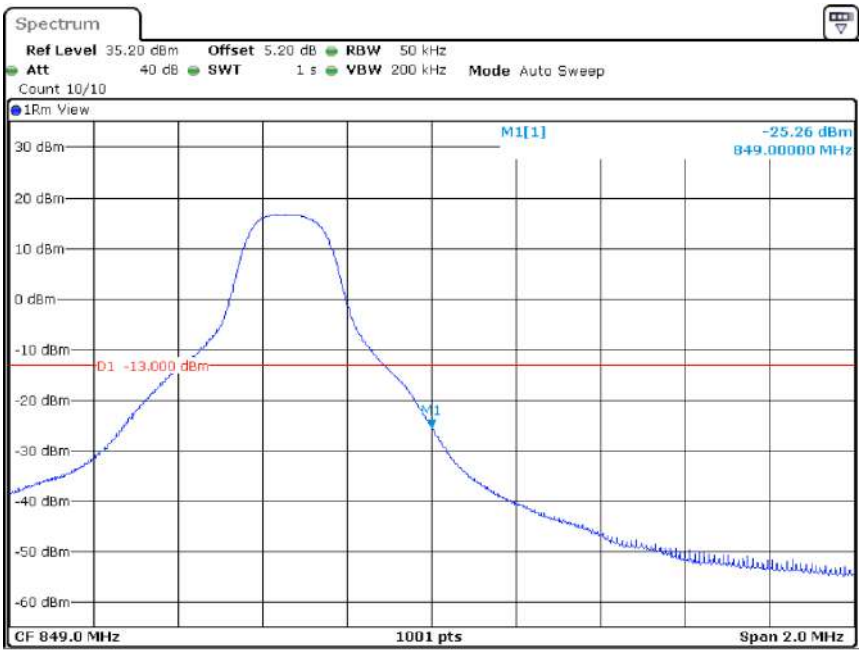
Band5-5MHz-QPSK-20625-1RB#24



Date: 15.JUL.2020 16:51:44

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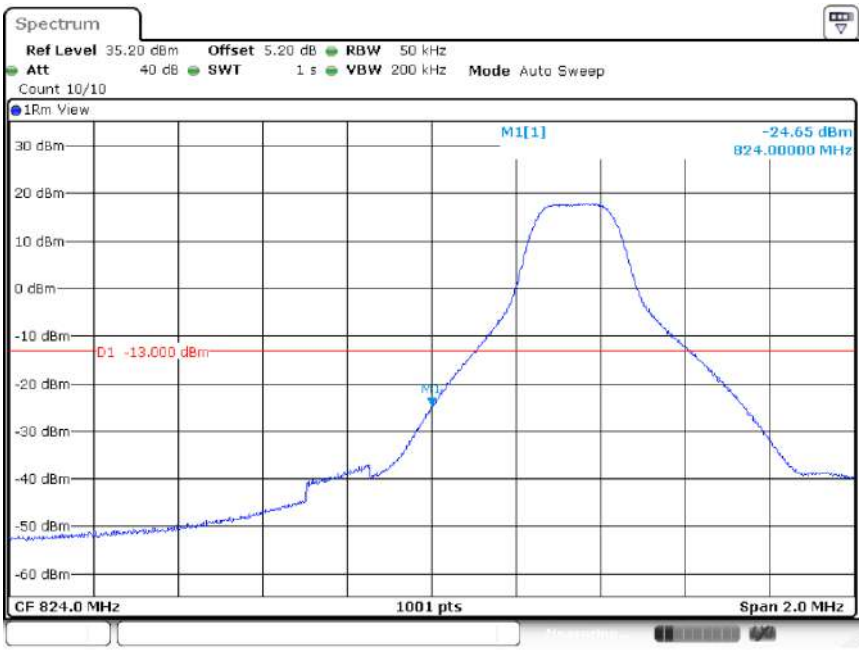
Band5-5MHz-QPSK-20625-25RB#0

Date: 15.JUL.2020 16:52:25

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



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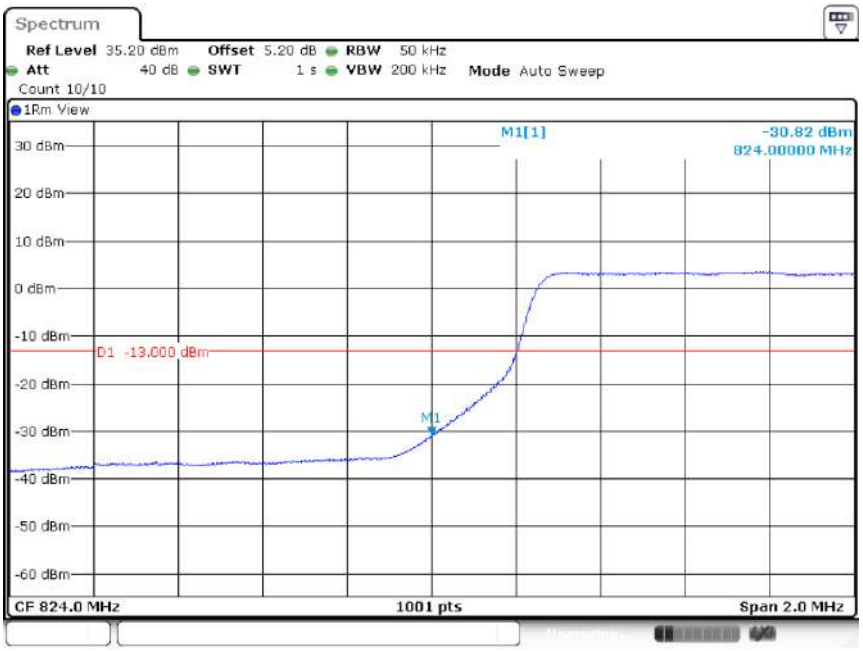

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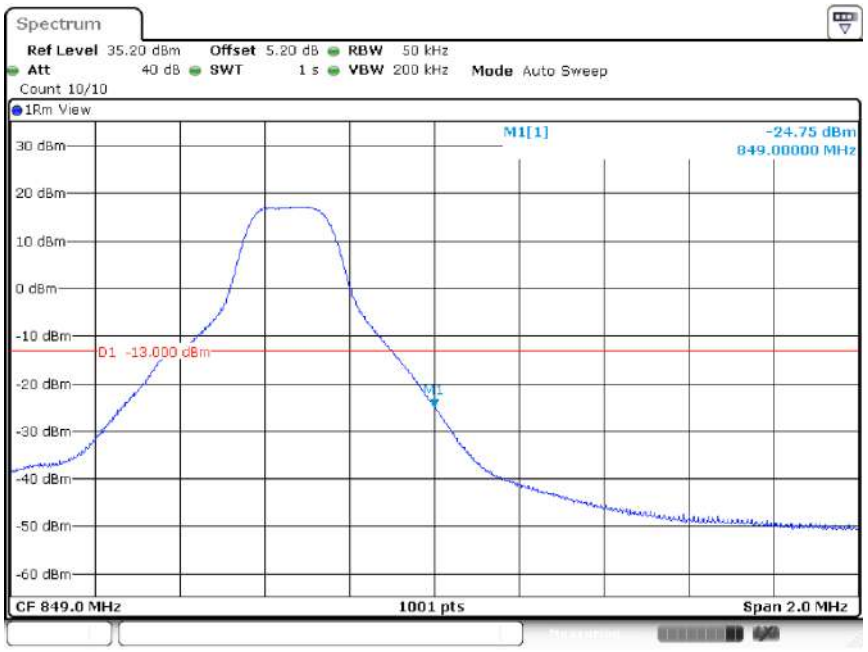
Band5-5MHz-64QAM-20625-1RB#24



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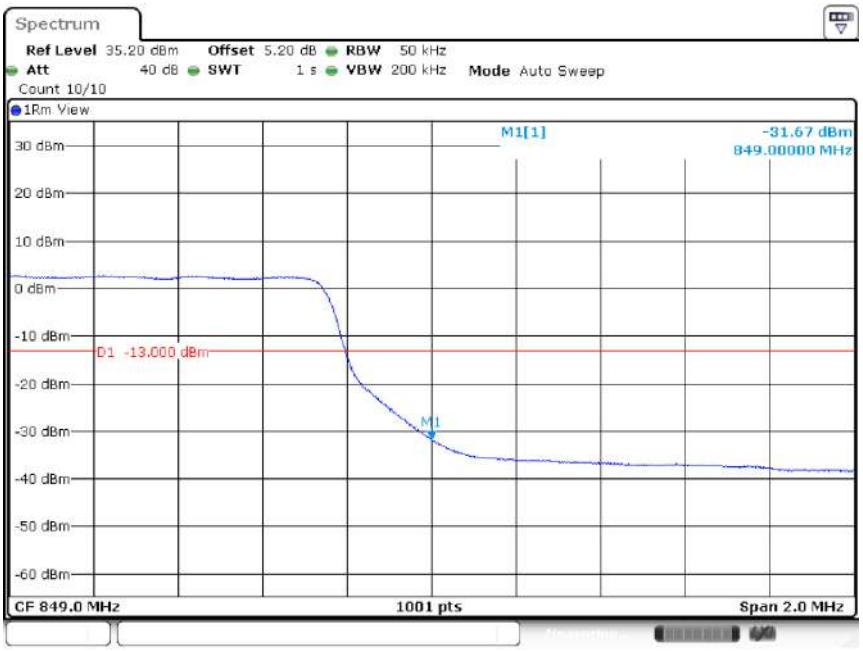

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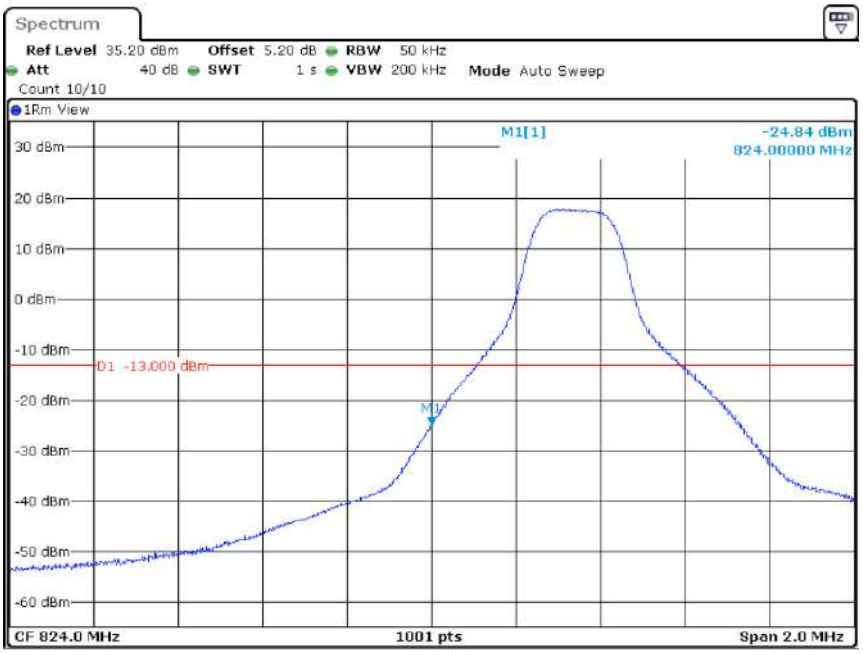

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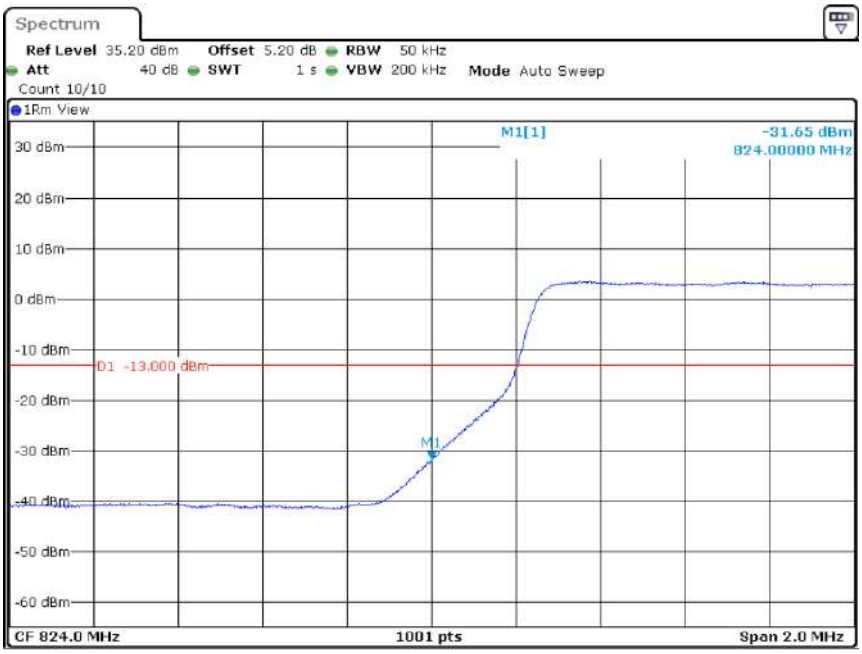

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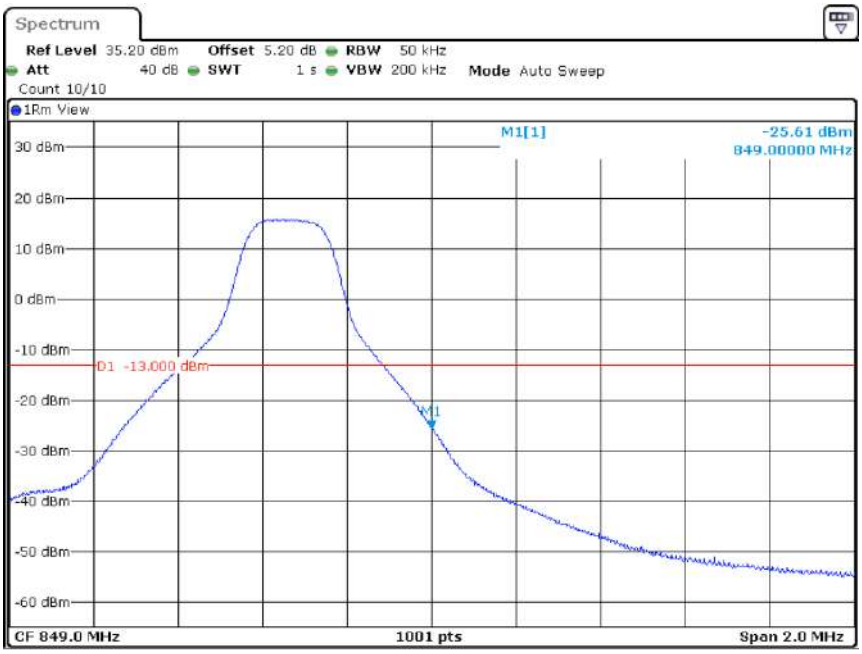

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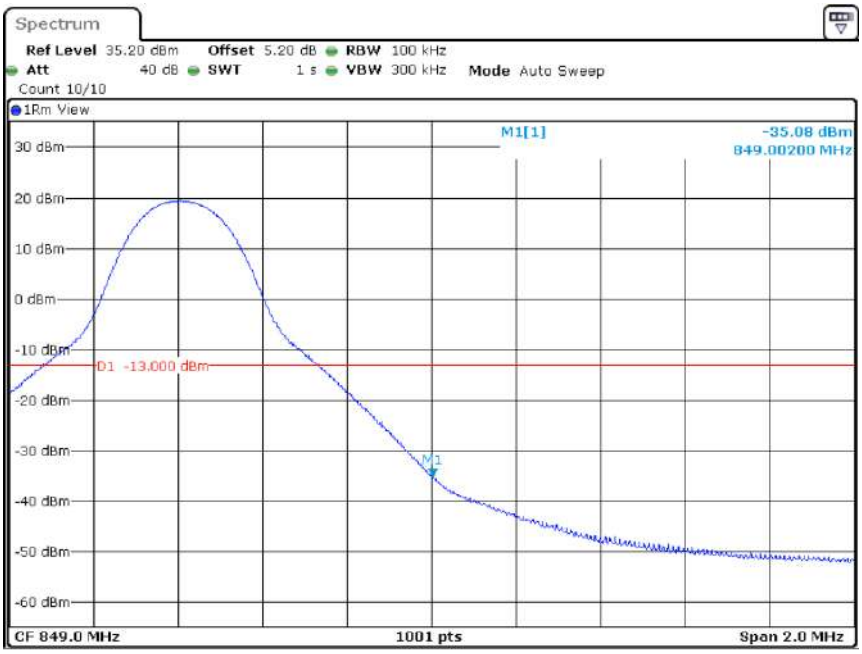
Band5-10MHz-QPSK-20600-1RB#49



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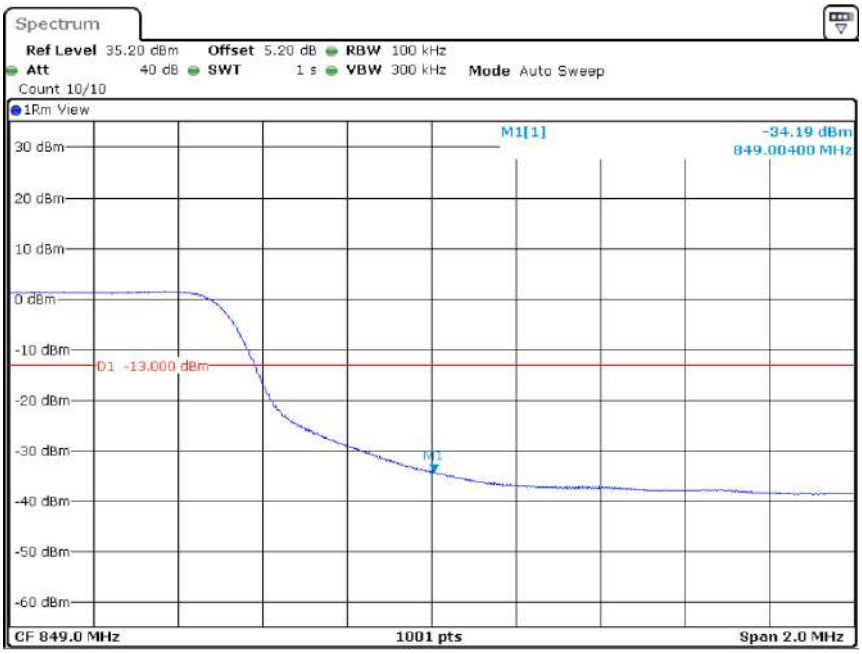

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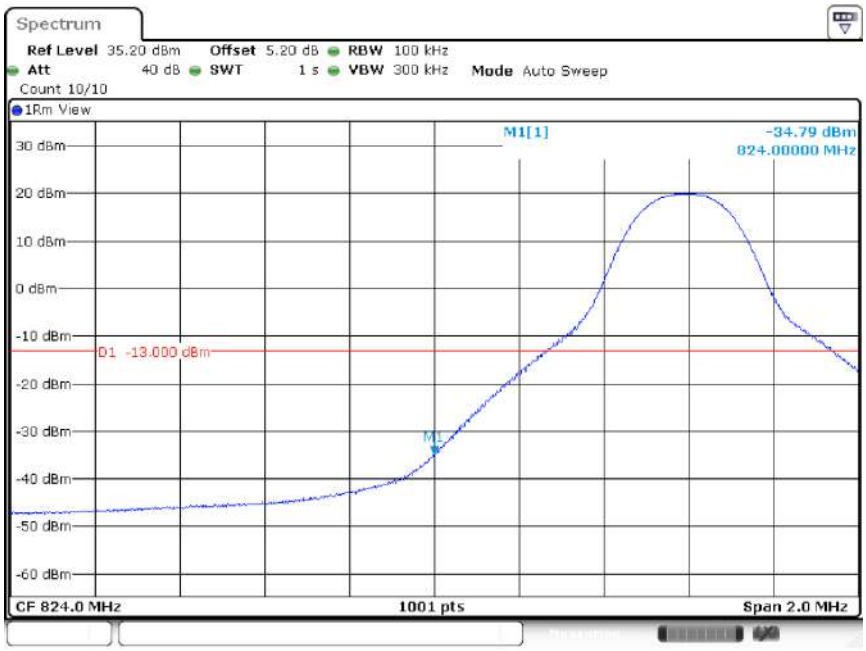

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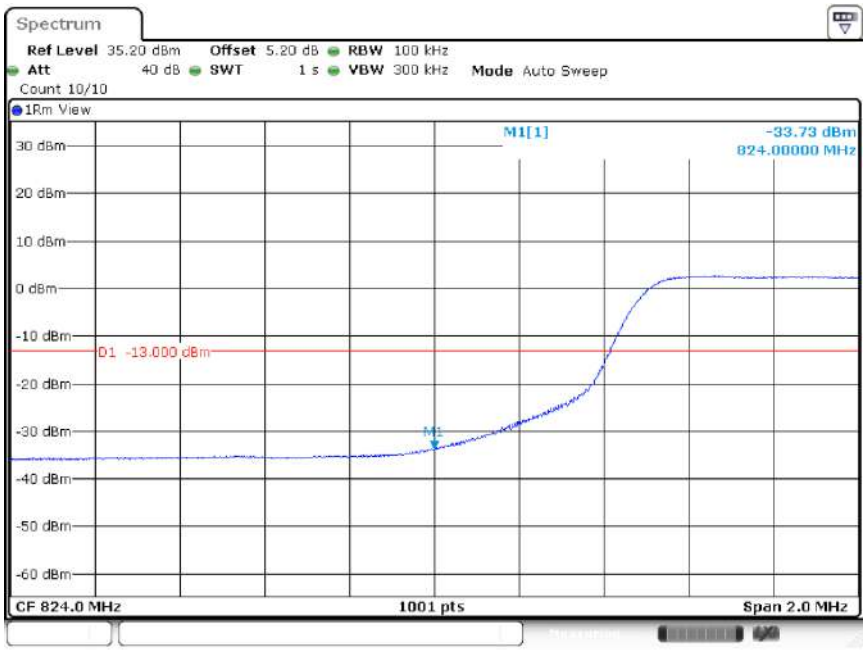

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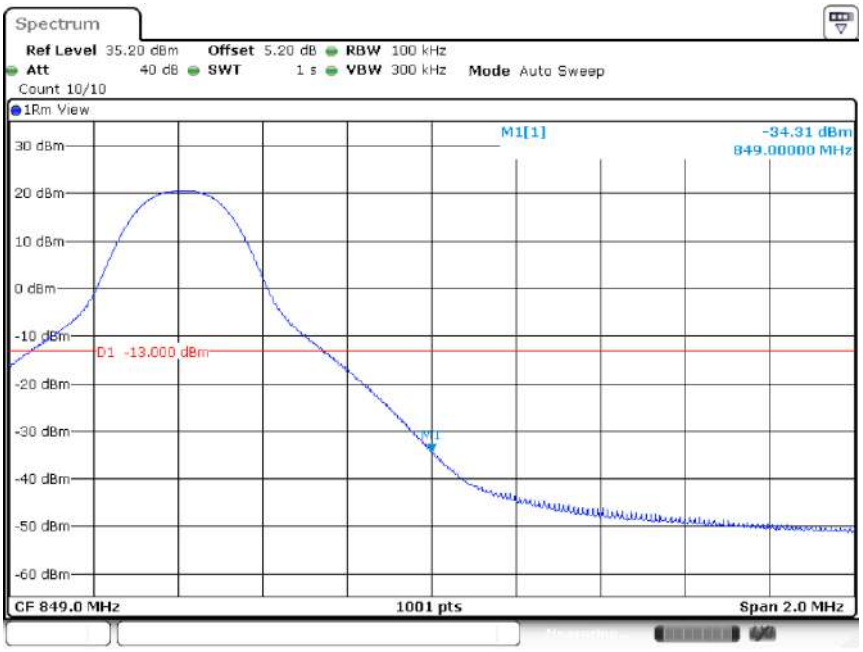

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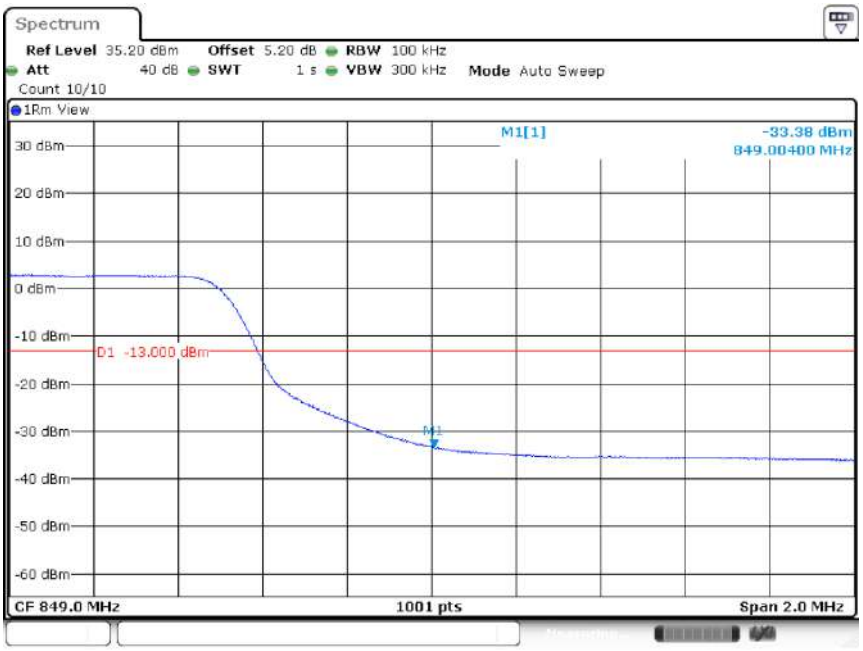
Band5-10MHz-64QAM-20600-50RB#0



Date: 10.AUG.2020 23:54:02

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

Date: 15.JUL.2020 16:53:31

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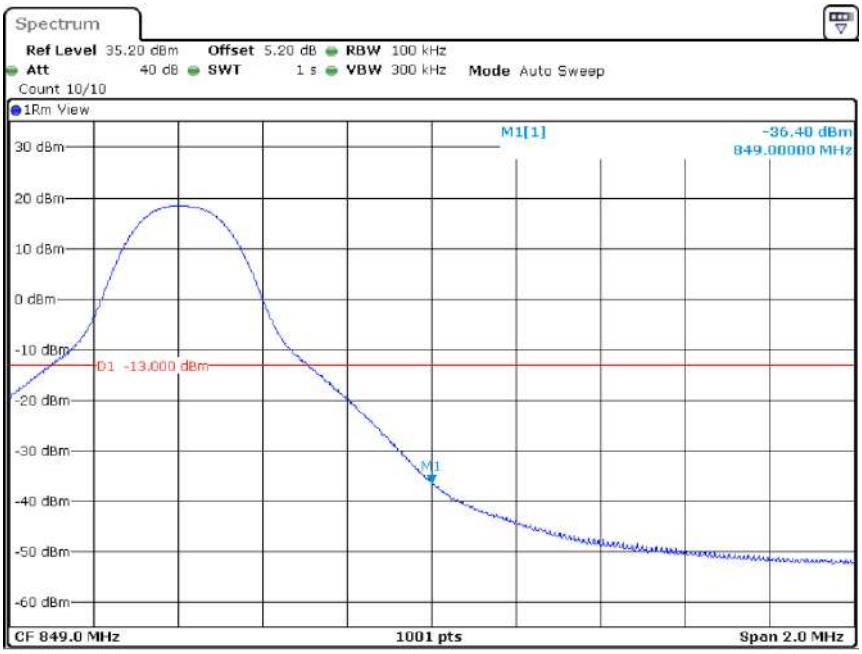
Band5-10MHz-16QAM-20450-50RB#0

Date: 15.JUL.2020 16:54:13

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



Date: 15.JUL.2020 16:54:58

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

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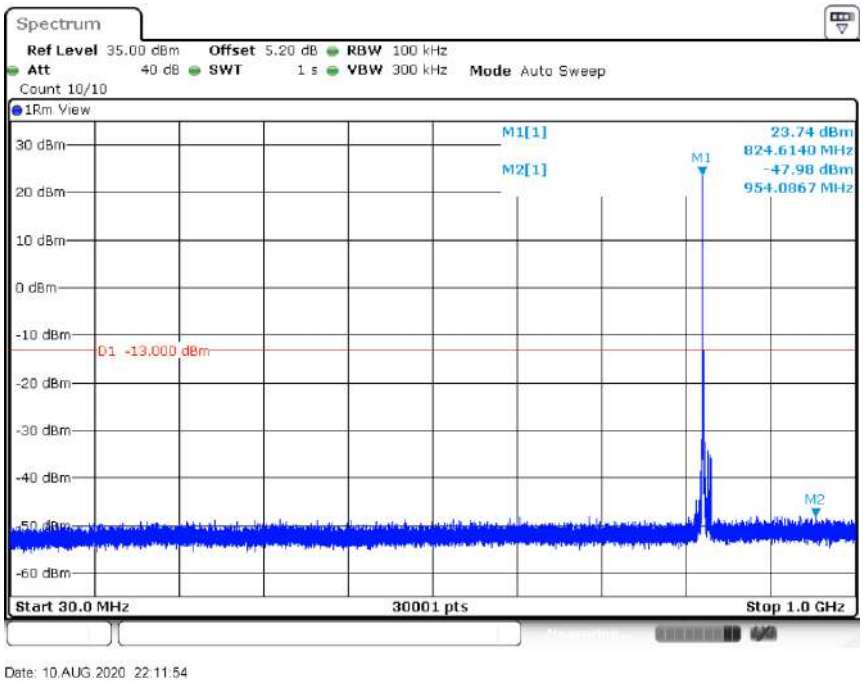
6. Spurious Emission at Antenna Terminal

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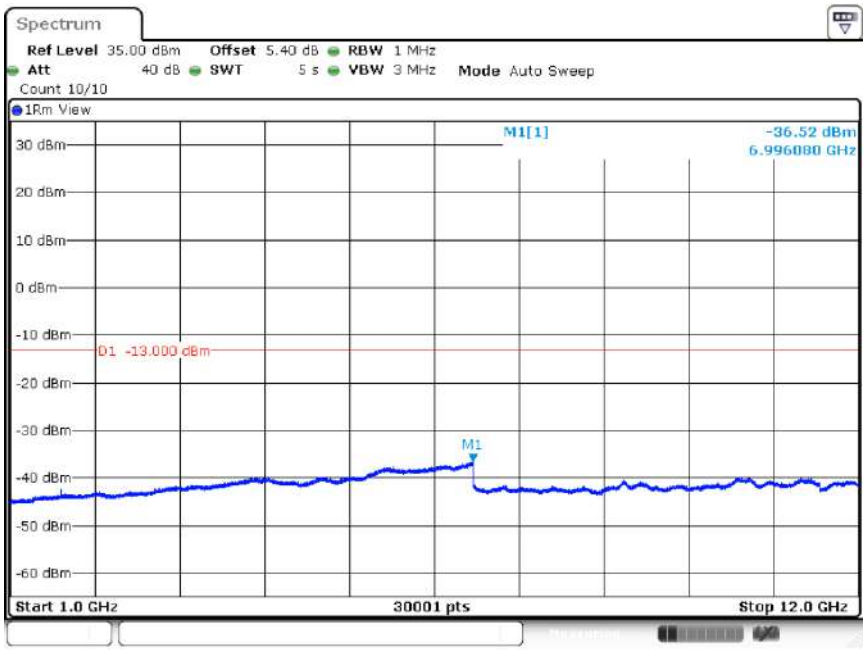
Band5-10MHz-QPSK-20450-1RB#0-Range2:1000~12000MHz



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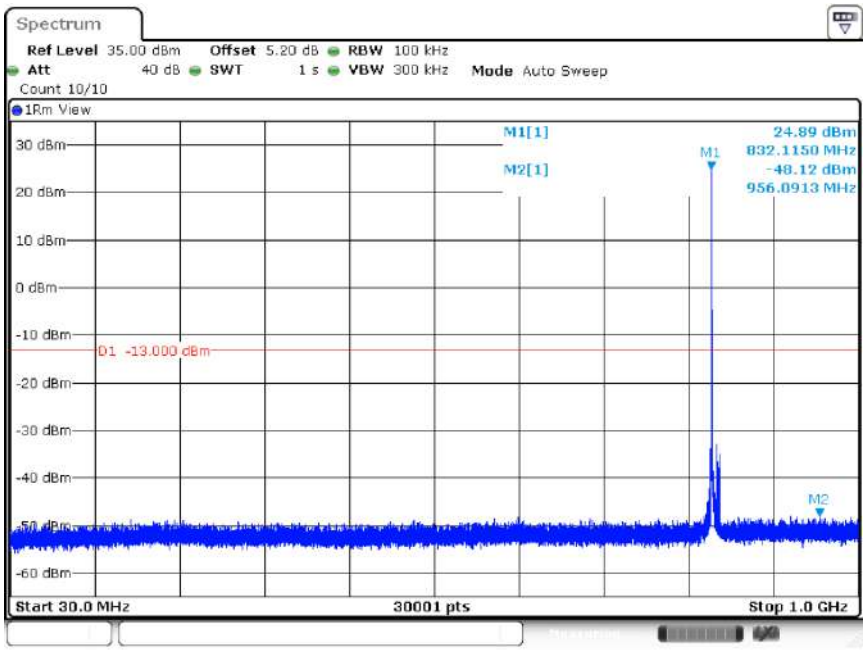
Band5-10MHz-QPSK-20525-1RB#0-Range1:30~1000MHz



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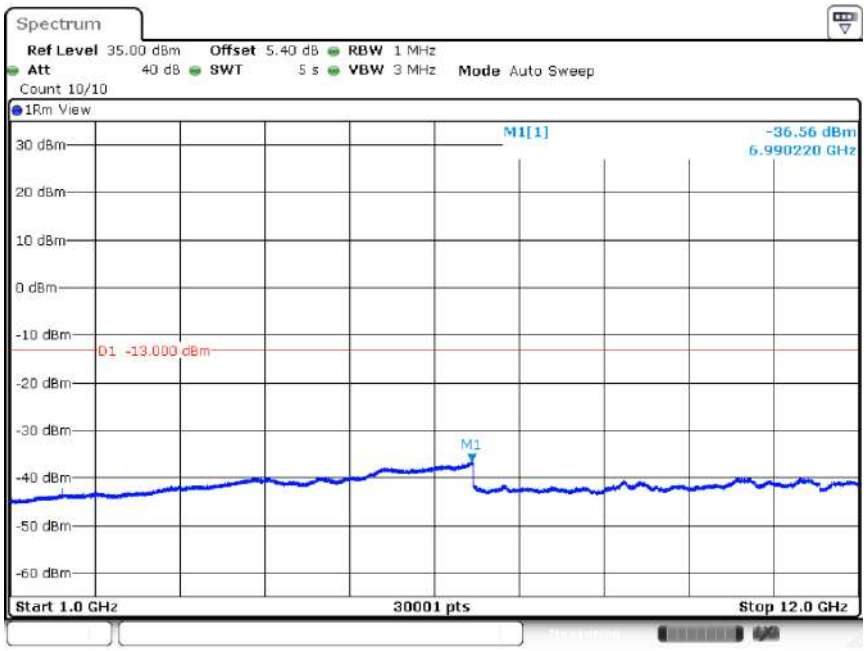
Band5-10MHz-QPSK-20525-1RB#0-Range2:1000~12000MHz



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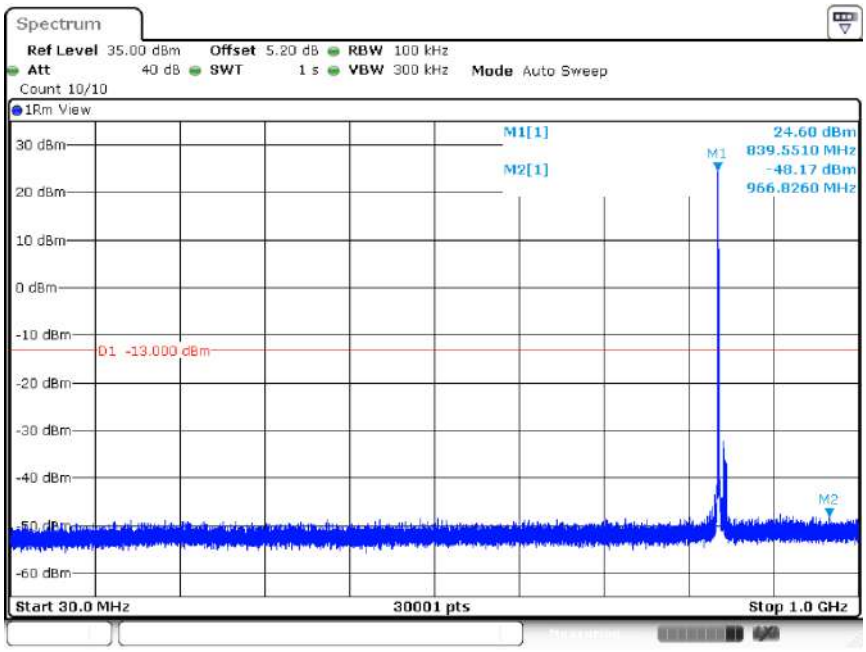
Band5-10MHz-QPSK-20600-1RB#0-Range1:30~1000MHz



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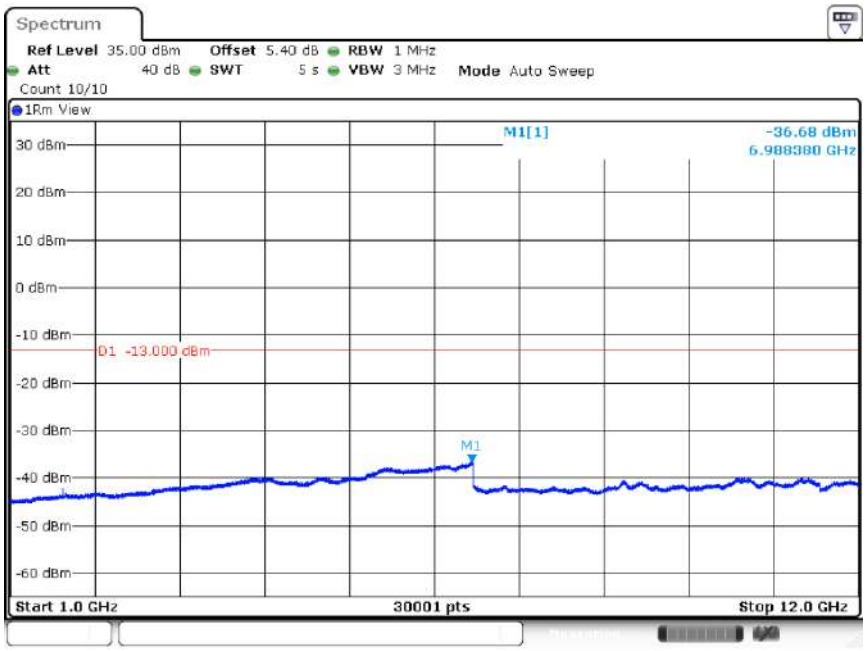
Band5-10MHz-QPSK-20600-1RB#0-Range2:1000~12000MHz



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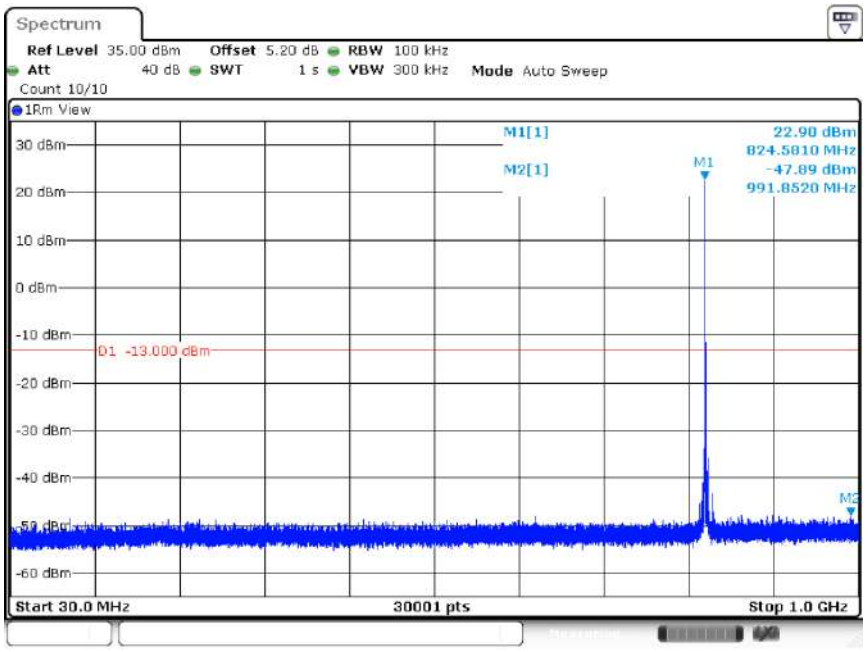
Band5-10MHz-64QAM-20450-1RB#0-Range1:30~1000MHz



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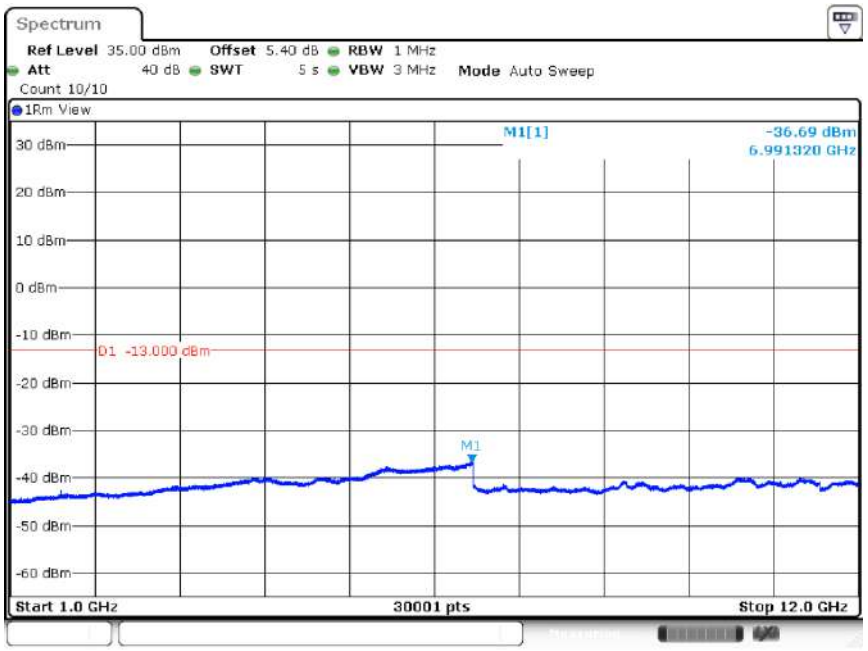
Band5-10MHz-64QAM-20450-1RB#0-Range2:1000~12000MHz



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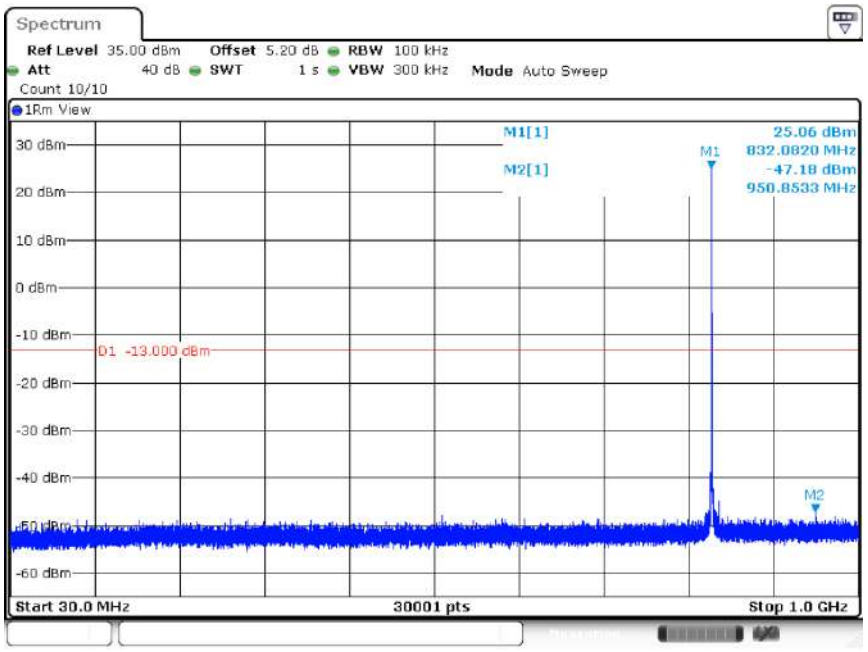

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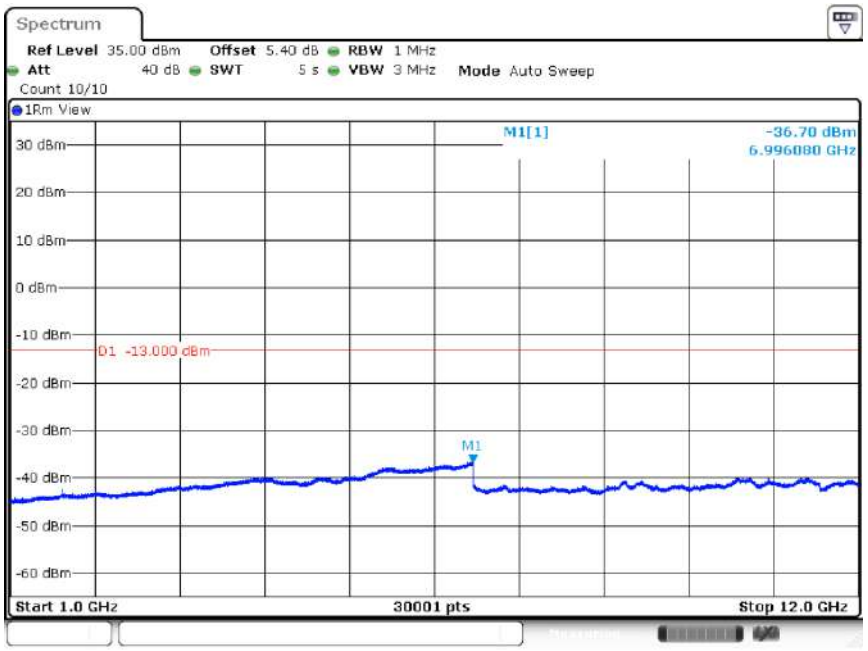
Band5-10MHz-64QAM-20525-1RB#0-Range2:1000~12000MHz



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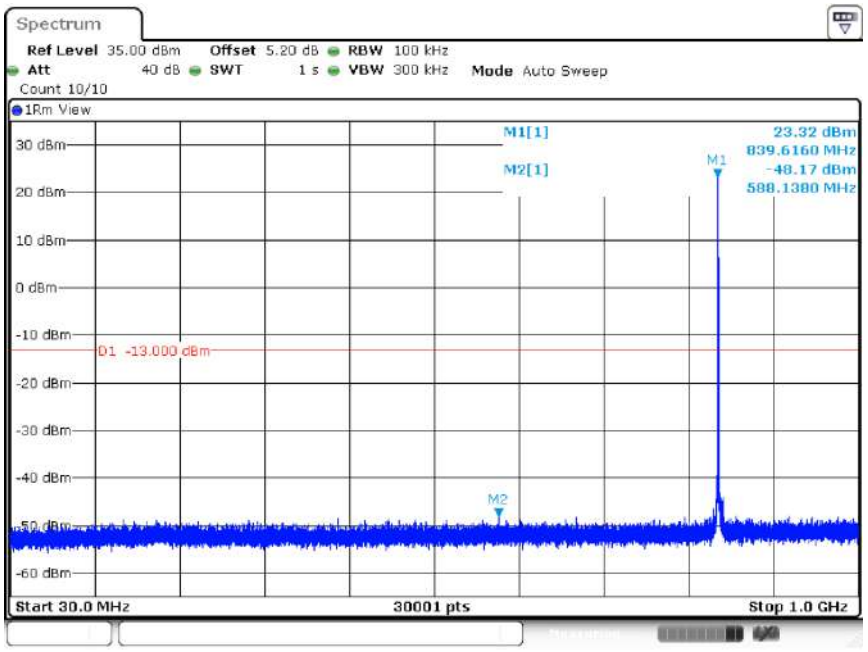

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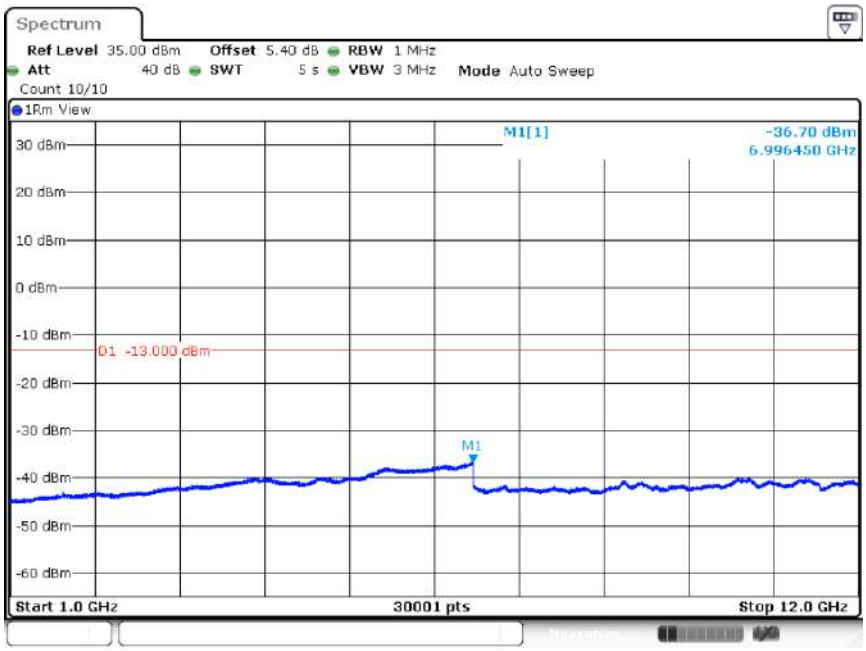

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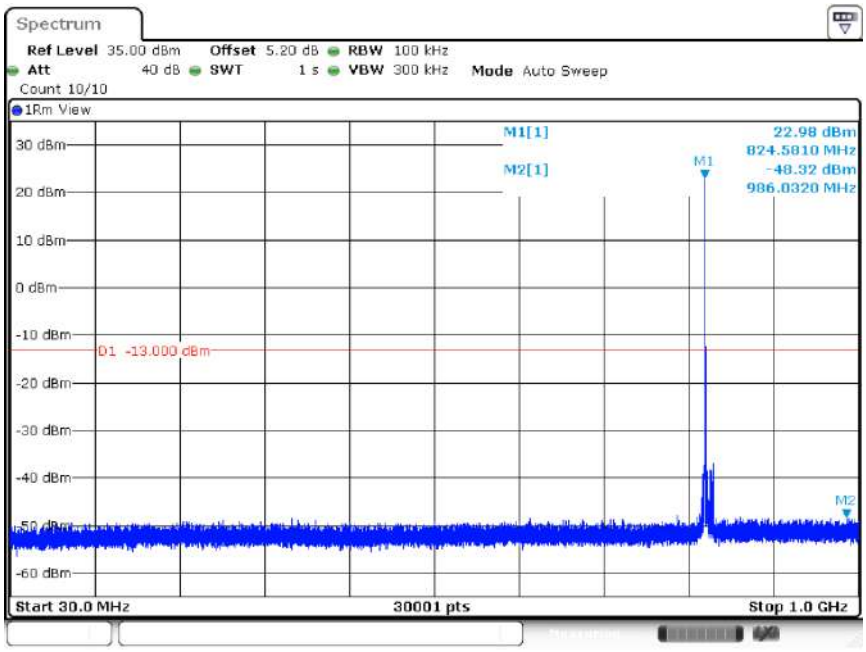
Band5-10MHz-16QAM-20450-1RB#0-Range1:30~1000MHz



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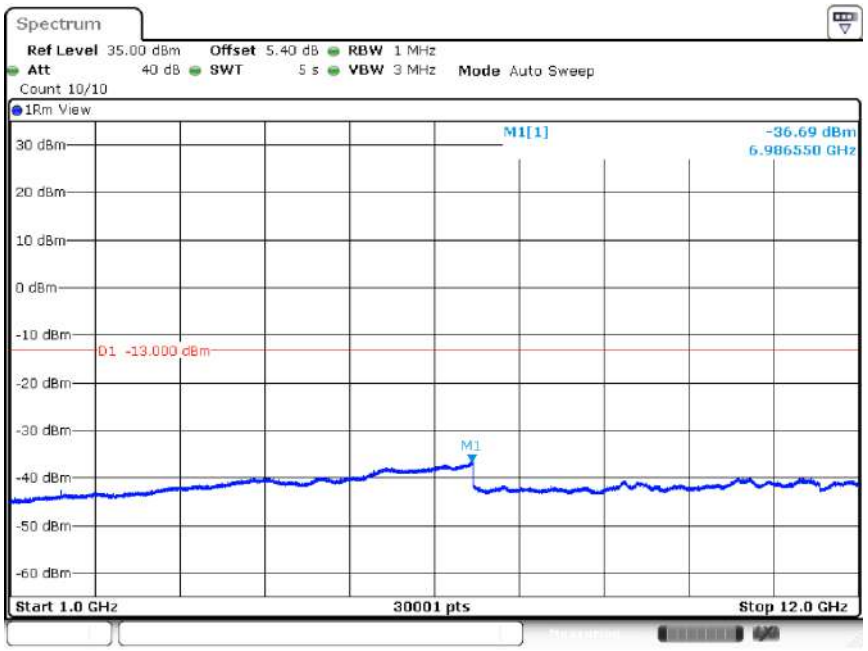

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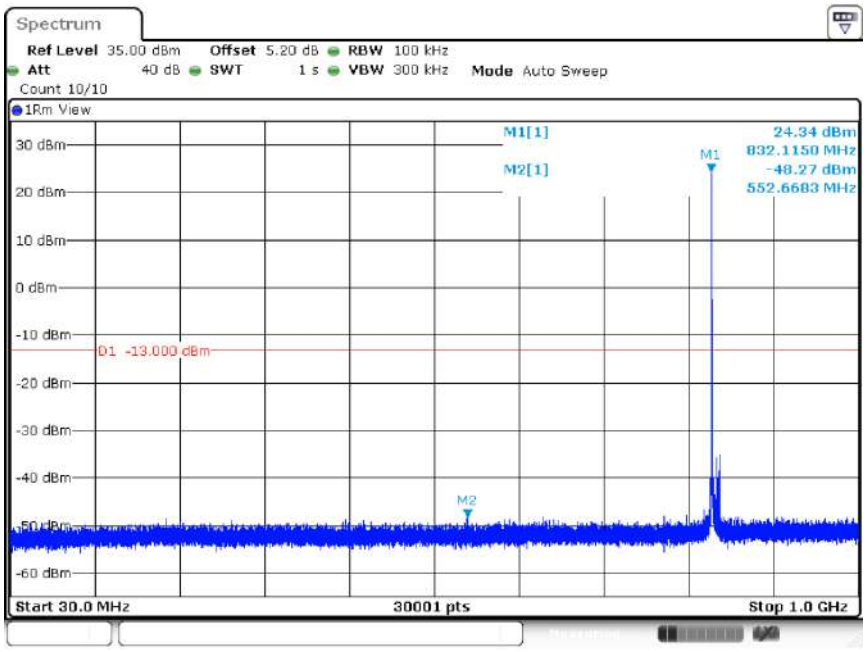

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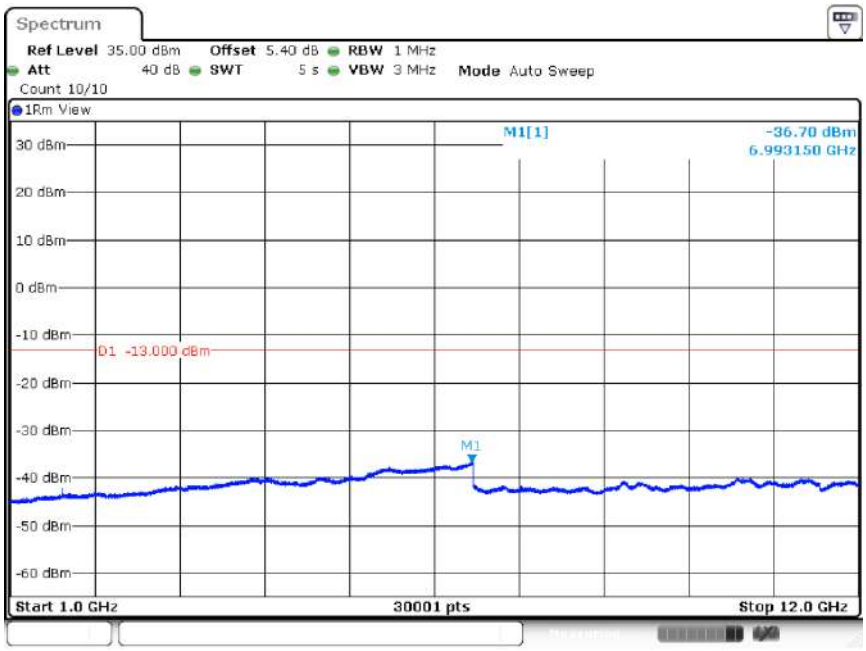
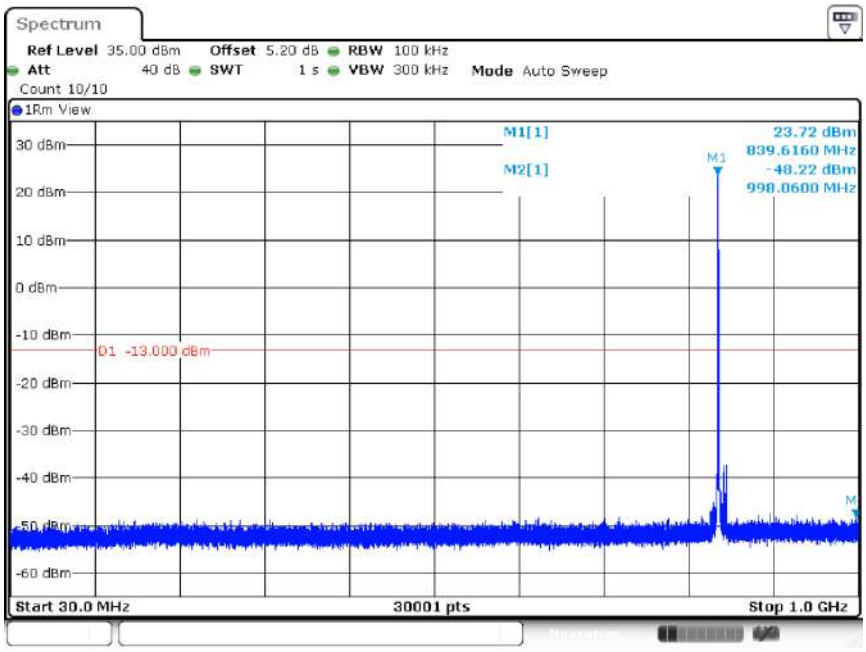
Band5-10MHz-16QAM-20525-1RB#0-Range2:1000~12000MHz



Date: 10.AUG.2020 22:17:25

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



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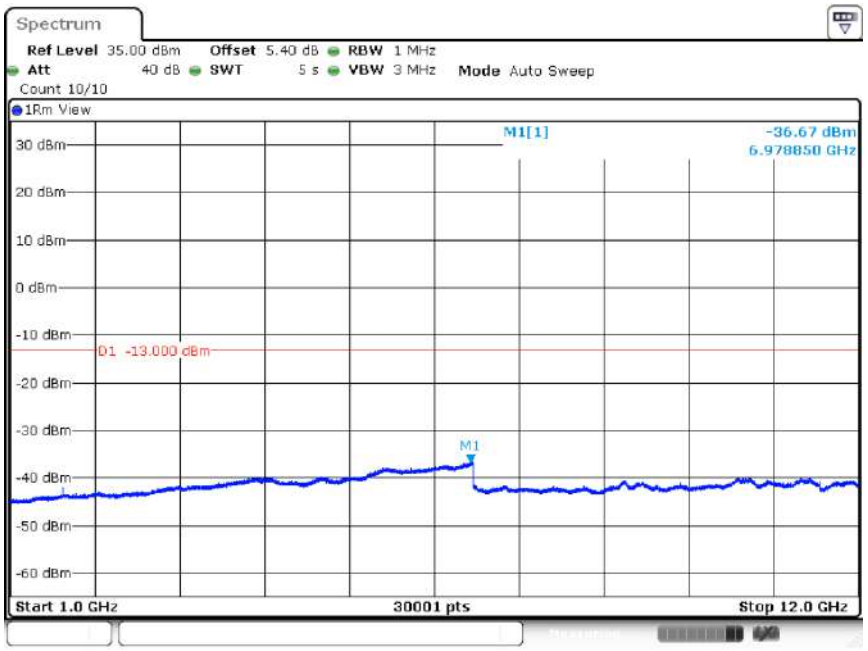
Band5-10MHz-16QAM-20600-1RB#0-Range2:1000~12000MHz



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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)	Height [cm]	Angle [°]	Polarization
74.7677	-61.79	-13.00	48.79	258	69	Vertical
380.2845	-65.87	-13.00	52.87	274	5	Vertical
1648.9298	-43.10	-13.00	30.10	196	348	Vertical
2473.0946	-51.13	-13.00	38.13	321	56	Vertical
5024.4675	-61.76	-13.00	48.76	261	133	Vertical
8830.5944	-54.19	-13.00	41.19	154	69	Vertical
42.3681	-62.52	-13.00	49.52	185	133	Horizontal
232.2551	-64.76	-13.00	51.76	174	6	Horizontal
542.6706	-61.90	-13.00	48.90	196	38	Horizontal
1648.9298	-39.90	-13.00	26.90	231	181	Horizontal
2699.1398	-56.28	-13.00	43.28	262	294	Horizontal
8800.5934	-54.81	-13.00	41.81	261	165	Horizontal

7.1.2.Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
32.7646	-72.29	-13.00	59.29	258	6	Vertical
109.1075	-63.26	-13.00	50.26	219	165	Vertical
339.3970	-66.58	-13.00	53.58	312	325	Vertical
1664.1328	-46.17	-13.00	33.17	262	234	Vertical
3000.0000	-56.66	-13.00	43.66	218	164	Vertical
8824.9942	-54.51	-13.00	41.51	184	102	Vertical
41.9801	-62.48	-13.00	49.48	174	133	Horizontal
234.0497	-64.83	-13.00	51.83	185	356	Horizontal
511.3381	-63.52	-13.00	50.52	196	261	Horizontal
1664.1328	-39.79	-13.00	26.79	321	37	Horizontal
2699.1398	-56.28	-13.00	43.28	262	164	Horizontal
8781.3927	-55.00	-13.00	42.00	214	293	Horizontal

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7.1.3.Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
74.3312	-62.13	-13.00	49.13	258	133	Vertical
112.0661	-62.44	-13.00	49.44	274	196	Vertical
331.5396	-65.46	-13.00	52.46	159	261	Vertical
1678.9358	-48.78	-13.00	35.78	196	234	Vertical
3000.0000	-56.49	-13.00	43.49	231	291	Vertical
8819.3940	-54.19	-13.00	41.19	261	69	Vertical
42.5136	-62.17	-13.00	49.17	184	229	Horizontal
229.1510	-65.35	-13.00	52.35	185	69	Horizontal
536.3168	-62.57	-13.00	49.57	251	101	Horizontal
1678.9358	-38.76	-13.00	25.76	216	180	Horizontal
2699.5399	-56.42	-13.00	43.42	291	199	Horizontal
8764.9922	-54.80	-13.00	41.80	154	69	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 (℃)	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 (℃)	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	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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