Appendix B

E-UTRA Band 5

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1 Effective (Isotropic) Radiated Power

1.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	22.12	20.07	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	22.14	20.09	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	22.20	20.15	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	22.29	20.24	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	22.37	20.32	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	22.30	20.25	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	21.37	19.32	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	22.17	20.12	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	22.07	20.02	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	22.10	20.05	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	22.30	20.25	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	22.33	20.28	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	22.25	20.2	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	21.21	19.16	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	22.11	20.06	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	22.18	20.13	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	22.17	20.12	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	22.30	20.25	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	22.36	20.31	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	22.29	20.24	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	21.03	18.98	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	21.67	19.62	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	21.64	19.59	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	21.57	19.52	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	21.41	19.36	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	21.48	19.43	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	21.42	19.37	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	20.17	18.12	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	21.59	19.54	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	21.61	19.56	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	21.69	19.64	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	21.60	19.55	38.45	PASS

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Band5	1.4MHz	16QAM	20525	3RB#1	21.59	19.54	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	21.59	19.54	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	20.02	17.97	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	21.50	19.45	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	21.45	19.4	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	21.41	19.36	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	21.39	19.34	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	21.26	19.21	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	21.24	19.19	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	19.93	17.88	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	21.14	19.09	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#2	21.03	18.98	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#5	21.14	19.09	38.45	PASS
Band5	1.4MHz	64QAM	20407	3RB#0	21.06	19.01	38.45	PASS
Band5	1.4MHz	64QAM	20407	3RB#1	21.02	18.97	38.45	PASS
Band5	1.4MHz	64QAM	20407	3RB#3	20.94	18.89	38.45	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	20.14	18.09	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	21.17	19.12	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#2	21.12	19.07	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#5	21.08	19.03	38.45	PASS
Band5	1.4MHz	64QAM	20525	3RB#0	21.14	19.09	38.45	PASS
Band5	1.4MHz	64QAM	20525	3RB#1	21.04	18.99	38.45	PASS
Band5	1.4MHz	64QAM	20525	3RB#3	21.01	18.96	38.45	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	20.06	18.01	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	21.27	19.22	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#2	21.16	19.11	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#5	20.99	18.94	38.45	PASS
Band5	1.4MHz	64QAM	20643	3RB#0	21.06	19.01	38.45	PASS
Band5	1.4MHz	64QAM	20643	3RB#1	21.08	19.03	38.45	PASS
Band5	1.4MHz	64QAM	20643	3RB#3	21.01	18.96	38.45	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	20.01	17.96	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	22.34	20.29	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	22.35	20.3	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	22.37	20.32	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#0	21.40	19.35	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#4	21.50	19.45	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#7	21.43	19.38	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	21.28	19.23	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	22.26	20.21	38.45	PASS

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Band5	3MHz	QPSK	20525	1RB#8	22.27	20.22	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	22.18	20.13	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#0	21.39	19.34	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#4	21.38	19.33	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#7	21.12	19.07	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	21.39	19.34	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	22.26	20.21	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	22.15	20.1	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	22.37	20.32	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#0	21.28	19.23	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#4	21.14	19.09	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#7	21.17	19.12	38.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	21.23	19.18	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	21.87	19.82	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	21.62	19.57	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	21.74	19.69	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#0	20.31	18.26	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#4	20.72	18.67	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#7	20.21	18.16	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	20.61	18.56	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	21.73	19.68	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	21.75	19.7	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	21.69	19.64	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#0	20.24	18.19	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#4	20.25	18.2	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#7	20.27	18.22	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	20.37	18.32	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	21.58	19.53	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	21.49	19.44	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	21.52	19.47	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#0	20.45	18.4	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#4	20.46	18.41	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#7	20.88	18.83	38.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	20.15	18.1	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#0	21.26	19.21	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#8	21.40	19.35	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#14	21.51	19.46	38.45	PASS
Band5	3MHz	64QAM	20415	8RB#0	20.45	18.4	38.45	PASS
Band5	3MHz	64QAM	20415	8RB#4	20.23	18.18	38.45	PASS

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Band5	3MHz	64QAM	20415	8RB#7	20.45	18.4	38.45	PASS
Band5	3MHz	64QAM	20415	15RB#0	20.25	18.2	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#0	21.42	19.37	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#8	21.33	19.28	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#14	21.44	19.39	38.45	PASS
Band5	3MHz	64QAM	20525	8RB#0	20.37	18.32	38.45	PASS
Band5	3MHz	64QAM	20525	8RB#4	20.31	18.26	38.45	PASS
Band5	3MHz	64QAM	20525	8RB#7	20.33	18.28	38.45	PASS
Band5	3MHz	64QAM	20525	15RB#0	20.01	17.96	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#0	21.18	19.13	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#8	21.42	19.37	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#14	21.44	19.39	38.45	PASS
Band5	3MHz	64QAM	20635	8RB#0	20.43	18.38	38.45	PASS
Band5	3MHz	64QAM	20635	8RB#4	20.34	18.29	38.45	PASS
Band5	3MHz	64QAM	20635	8RB#7	20.33	18.28	38.45	PASS
Band5	3MHz	64QAM	20635	15RB#0	19.96	17.91	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	22.24	20.19	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	22.41	20.36	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	22.24	20.19	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#0	21.32	19.27	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#6	21.41	19.36	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#13	21.41	19.36	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	21.36	19.31	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	22.14	20.09	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	22.17	20.12	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	22.16	20.11	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#0	21.23	19.18	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#6	21.30	19.25	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#13	21.20	19.15	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	21.39	19.34	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	22.20	20.15	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	22.29	20.24	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	22.33	20.28	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#0	21.23	19.18	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#6	21.20	19.15	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#13	21.33	19.28	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	21.18	19.13	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	21.93	19.88	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	21.79	19.74	38.45	PASS

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Band5	5MHz	16QAM	20425	1RB#24	21.77	19.72	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#0	20.28	18.23	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#6	20.57	18.52	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#13	20.34	18.29	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	20.76	18.71	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	21.56	19.51	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	21.78	19.73	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	21.67	19.62	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#0	20.41	18.36	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#6	20.36	18.31	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#13	20.36	18.31	38.45	PASS
Band5	5MHz	16QAM	20525	25RB#0	20.46	18.41	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	21.64	19.59	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	21.65	19.6	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	21.50	19.45	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#0	20.32	18.27	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#6	20.59	18.54	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#13	20.83	18.78	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	20.19	18.14	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#0	21.36	19.31	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#12	21.29	19.24	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#24	21.41	19.36	38.45	PASS
Band5	5MHz	64QAM	20425	12RB#0	20.40	18.35	38.45	PASS
Band5	5MHz	64QAM	20425	12RB#6	20.29	18.24	38.45	PASS
Band5	5MHz	64QAM	20425	12RB#13	20.38	18.33	38.45	PASS
Band5	5MHz	64QAM	20425	25RB#0	20.17	18.12	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#0	21.26	19.21	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#12	21.48	19.43	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#24	21.52	19.47	38.45	PASS
Band5	5MHz	64QAM	20525	12RB#0	20.35	18.3	38.45	PASS
Band5	5MHz	64QAM	20525	12RB#6	20.31	18.26	38.45	PASS
Band5	5MHz	64QAM	20525	12RB#13	20.44	18.39	38.45	PASS
Band5	5MHz	64QAM	20525	25RB#0	20.02	17.97	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#0	21.30	19.25	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#12	21.48	19.43	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#24	21.45	19.4	38.45	PASS
Band5	5MHz	64QAM	20625	12RB#0	20.36	18.31	38.45	PASS
Band5	5MHz	64QAM	20625	12RB#6	20.40	18.35	38.45	PASS
Band5	5MHz	64QAM	20625	12RB#13	20.42	18.37	38.45	PASS

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Band5	5MHz	64QAM	20625	25RB#0	19.96	17.91	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	22.26	20.21	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	22.36	20.31	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	22.30	20.25	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#0	21.36	19.31	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#12	21.43	19.38	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#25	21.35	19.3	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	21.36	19.31	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	22.18	20.13	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	22.22	20.17	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	22.14	20.09	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#0	21.29	19.24	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#12	21.29	19.24	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#25	21.18	19.13	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	21.41	19.36	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	22.25	20.2	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	22.23	20.18	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	22.29	20.24	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#0	21.23	19.18	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#12	21.23	19.18	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#25	21.23	19.18	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	21.24	19.19	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	21.91	19.86	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	21.70	19.65	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	21.73	19.68	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#0	20.34	18.29	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#12	20.66	18.61	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#25	20.27	18.22	38.45	PASS
Band5	10MHz	16QAM	20450	50RB#0	20.71	18.66	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	21.66	19.61	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	21.79	19.74	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	21.61	19.56	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#0	20.32	18.27	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#12	20.32	18.27	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#25	20.27	18.22	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	20.36	18.31	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	21.60	19.55	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	21.58	19.53	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	21.48	19.43	38.45	PASS

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Band5	10MHz	16QAM	20600	25RB#0	20.38	18.33	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#12	20.49	18.44	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#25	20.91	18.86	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	20.20	18.15	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#0	21.36	19.31	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#24	21.31	19.26	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#49	21.46	19.41	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#0	20.38	18.33	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#12	20.28	18.23	38.45	PASS
Band5	10MHz	64QAM	20450	25RB#25	20.42	18.37	38.45	PASS
Band5	10MHz	64QAM	20450	50RB#0	20.20	18.15	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#0	21.34	19.29	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#24	21.38	19.33	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#49	21.43	19.38	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#0	20.43	18.38	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#12	20.35	18.3	38.45	PASS
Band5	10MHz	64QAM	20525	25RB#25	20.41	18.36	38.45	PASS
Band5	10MHz	64QAM	20525	50RB#0	20.11	18.06	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#0	21.28	19.23	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#24	21.48	19.43	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#49	21.51	19.46	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#0	20.46	18.41	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#12	20.39	18.34	38.45	PASS
Band5	10MHz	64QAM	20600	25RB#25	20.36	18.31	38.45	PASS
Band5	10MHz	64QAM	20600	50RB#0	20.04	17.99	38.45	PASS

Remark:

a: For getting the EIRP (Efficient Isotropic Radiated Power), the following formula should be taken to calculate it,

ERP [dBm] = Conducted Power [dBm] + Gain [dBd]

EIRP [dBm] = Conducted Power [dBm] + Gain [dBi]

The conducted Power is measured by Base Station Simulator

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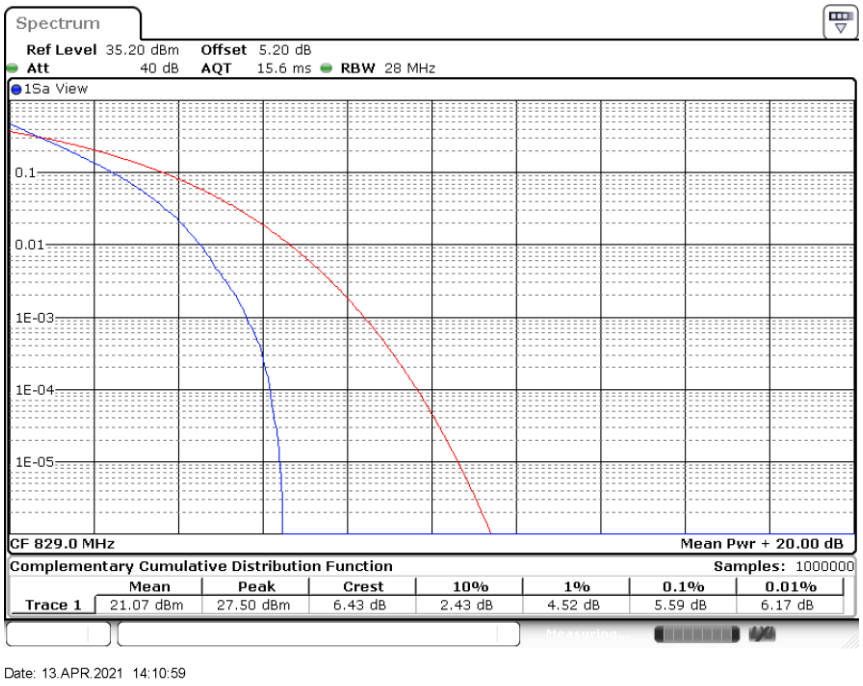
2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	10MHz	QPSK	20450	50RB#0	5.59	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.45	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.94	13	PASS
Band5	10MHz	64QAM	20450	50RB#0	6.23	13	PASS
Band5	10MHz	64QAM	20525	50RB#0	6.20	13	PASS
Band5	10MHz	64QAM	20600	50RB#0	6.67	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.20	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.06	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.46	13	PASS

2.2. Test Plots

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



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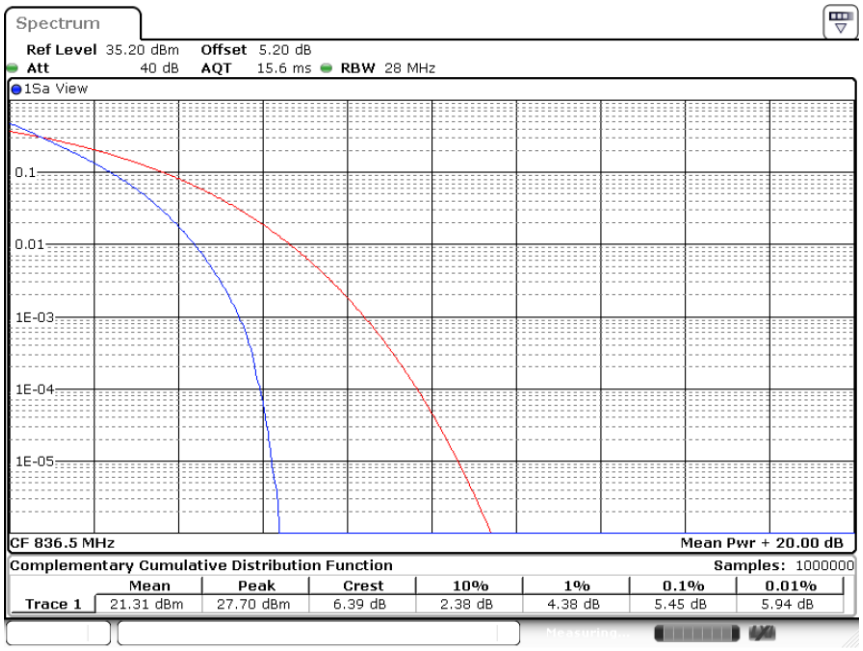
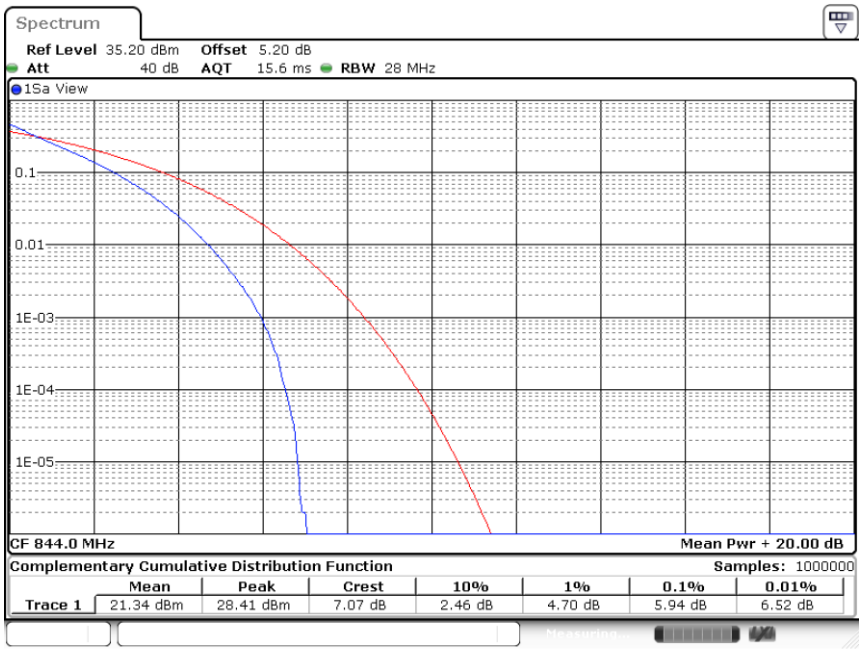
Band5-10MHz-QPSK-20525-50RB#0



Date: 13.APR.2021 14:11:22

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



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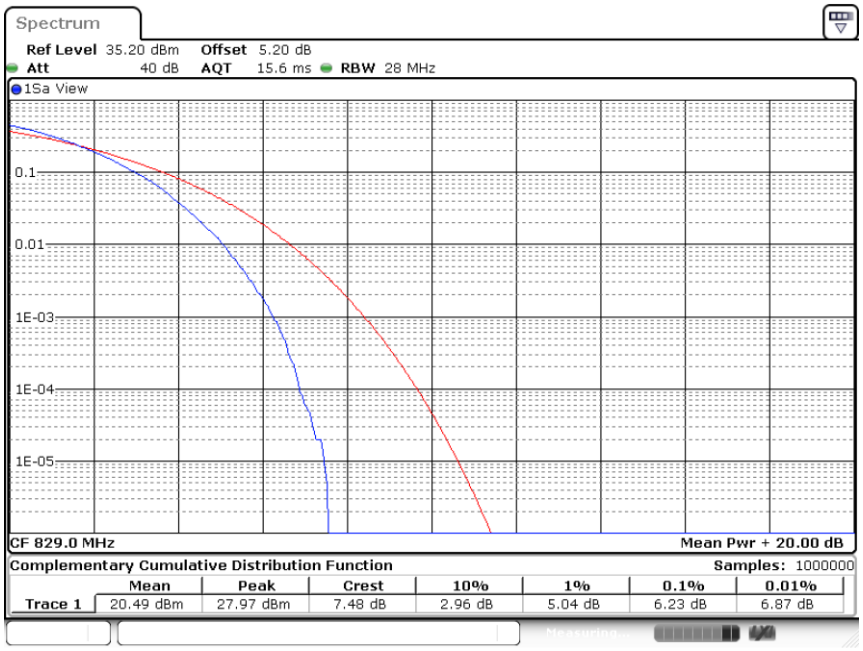
Band5-10MHz-64QAM-20450-50RB#0



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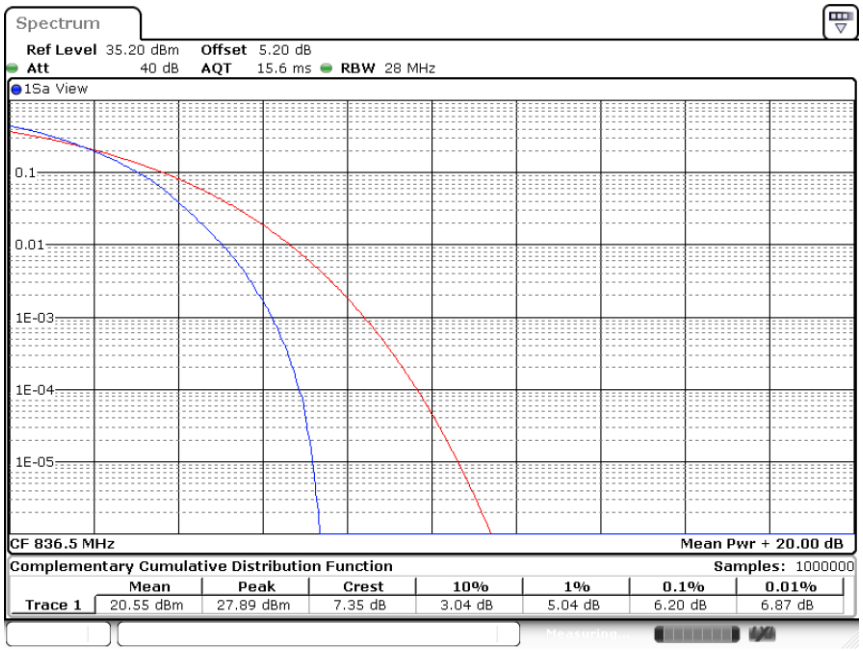
Band5-10MHz-64QAM-20525-50RB#0



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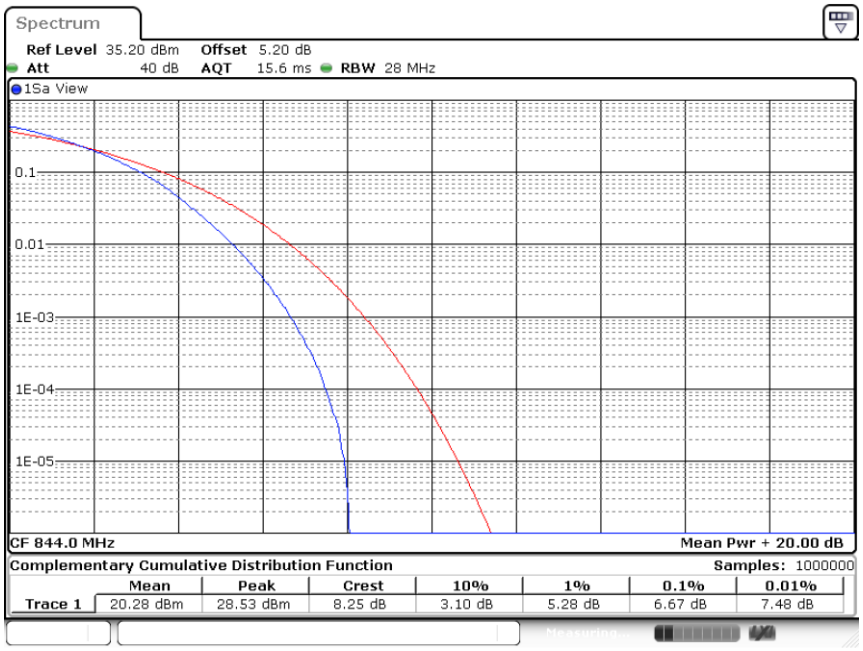
Band5-10MHz-64QAM-20600-50RB#0



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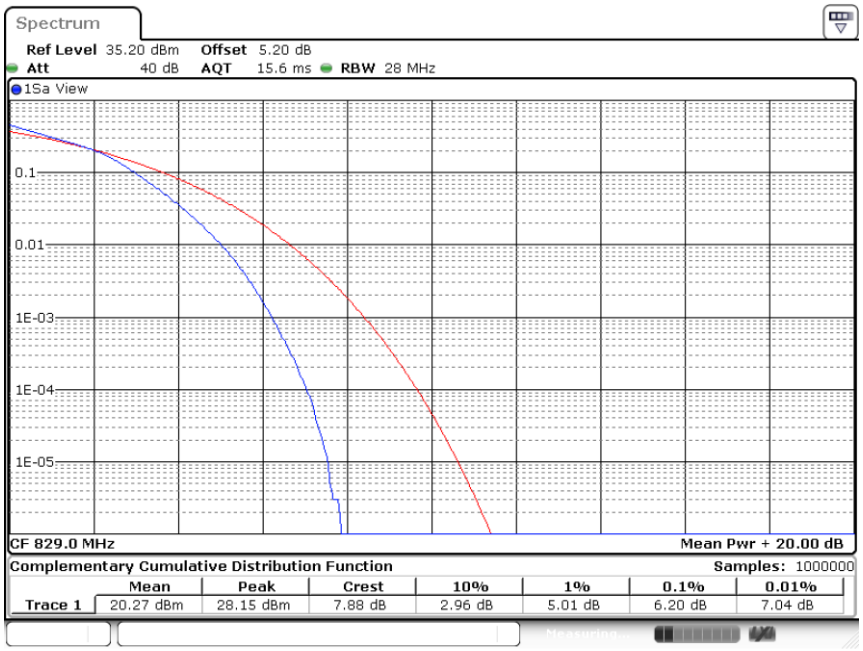
Band5-10MHz-16QAM-20450-50RB#0



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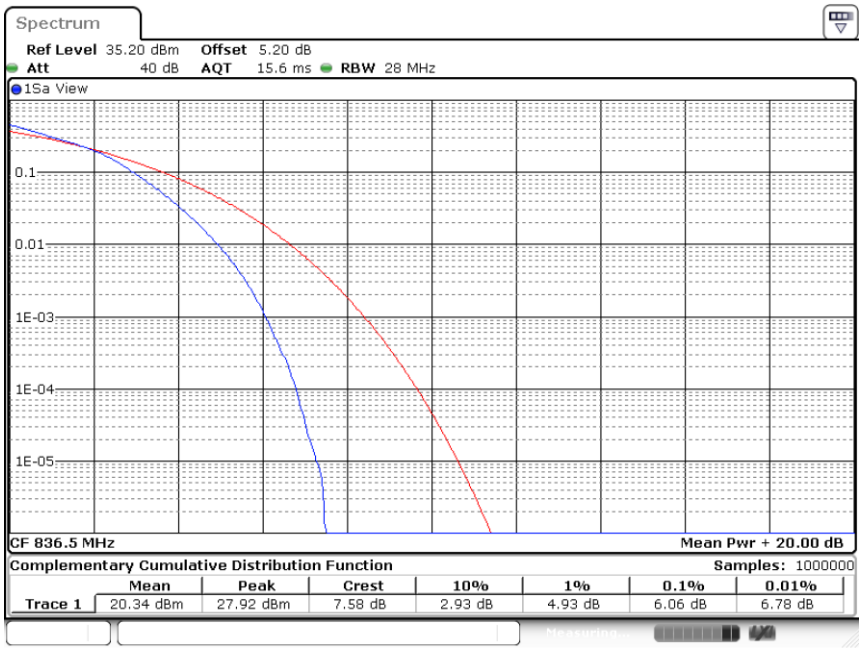
Band5-10MHz-16QAM-20525-50RB#0



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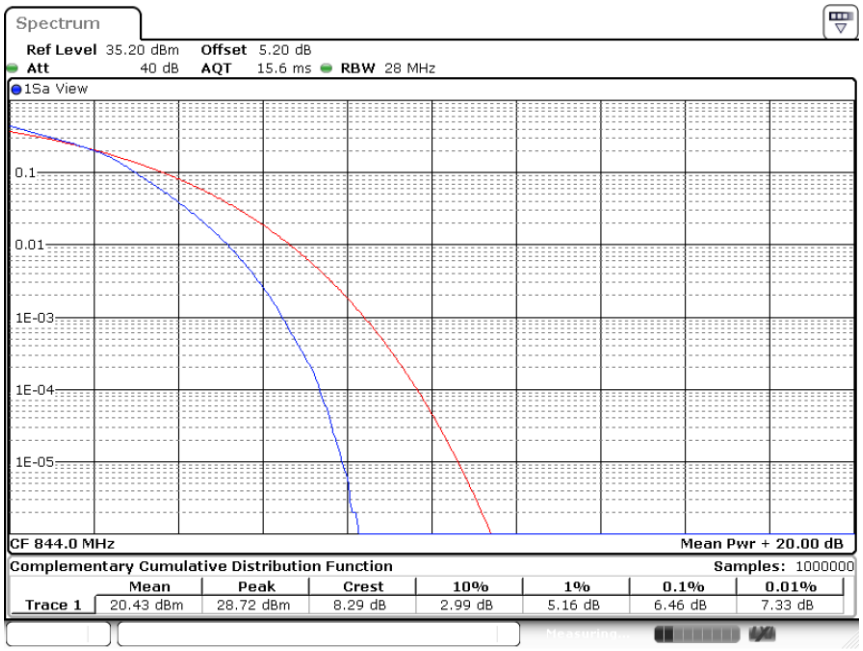
Band5-10MHz-16QAM-20600-50RB#0



Date: 13.APR.2021 14:11:55

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

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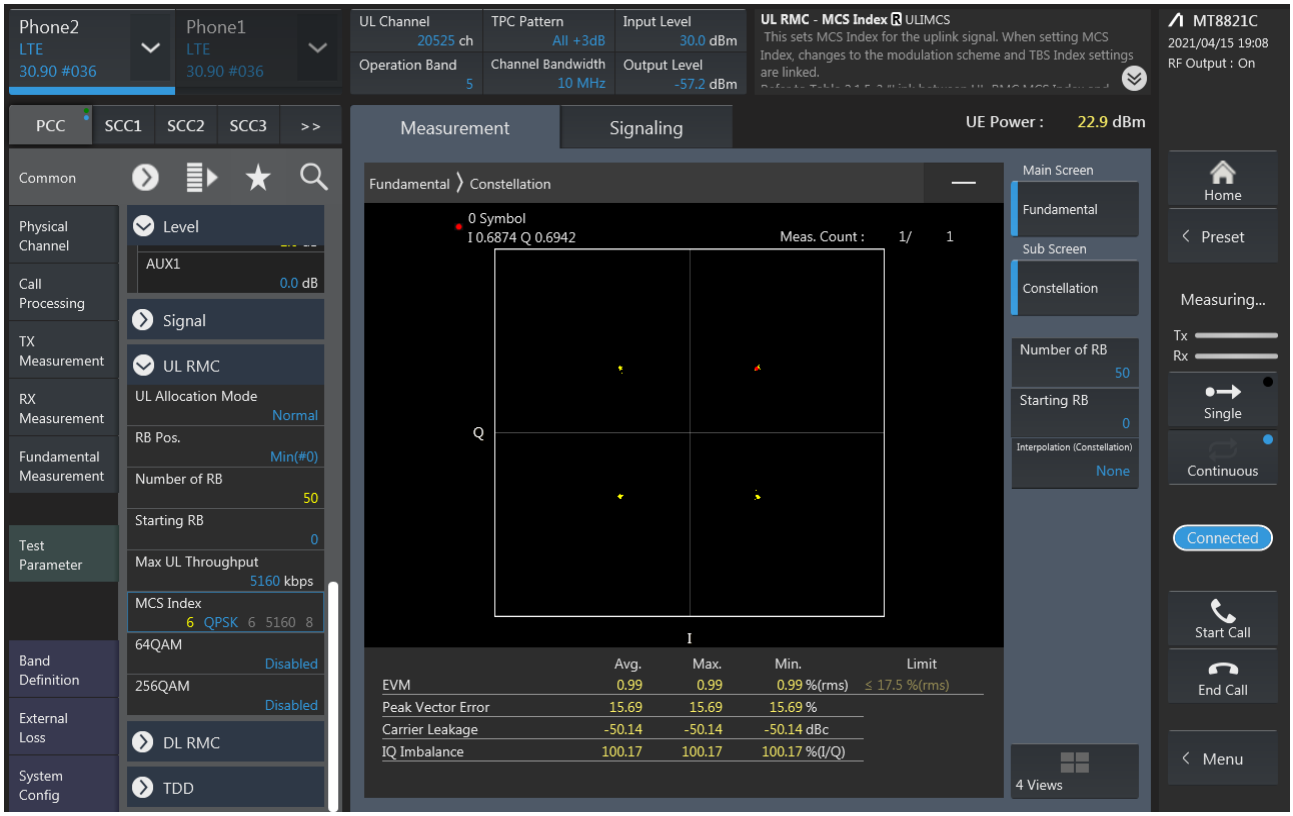
3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 10MHz

3.1.1. Test Channel = MCH



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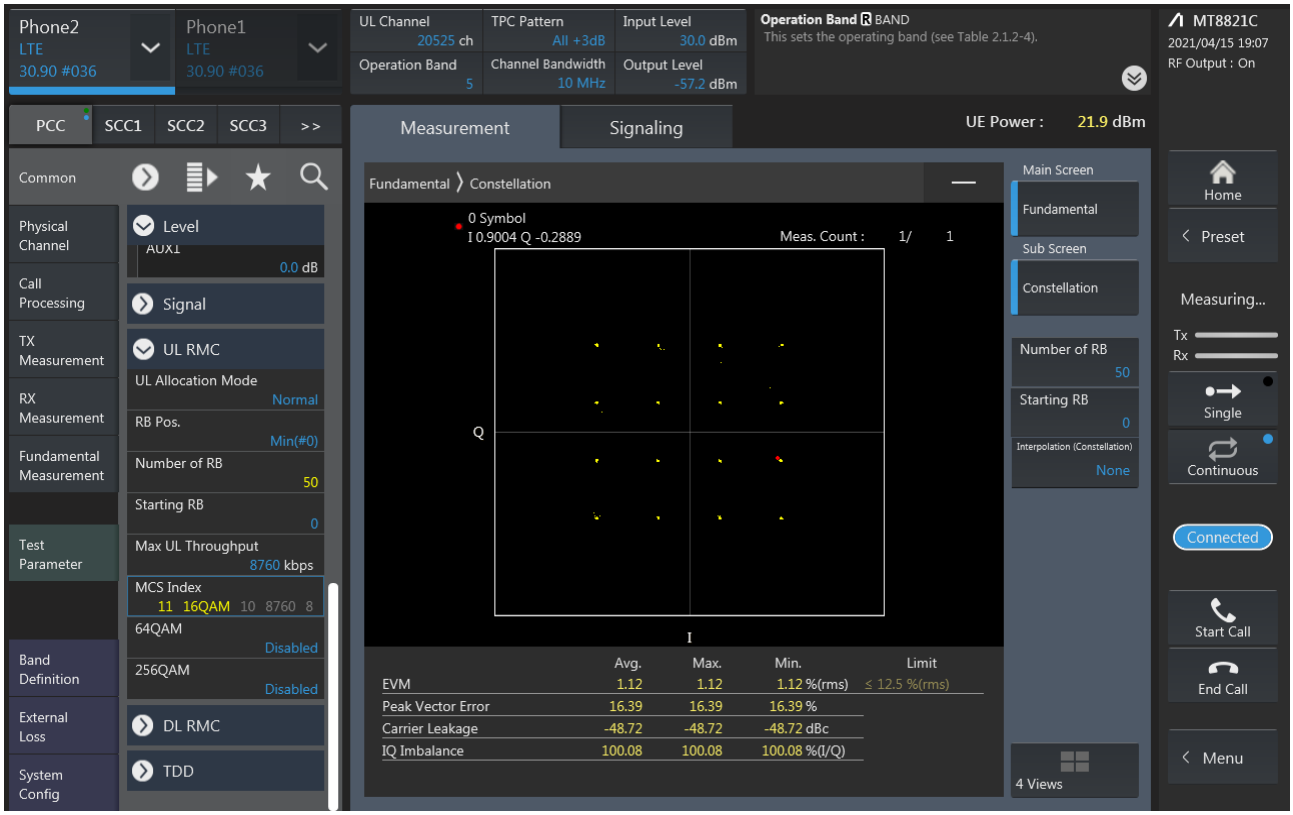
3.2. Test Mode = LTE /TM2 10MHz

3.2.1.Test Channel = MCH



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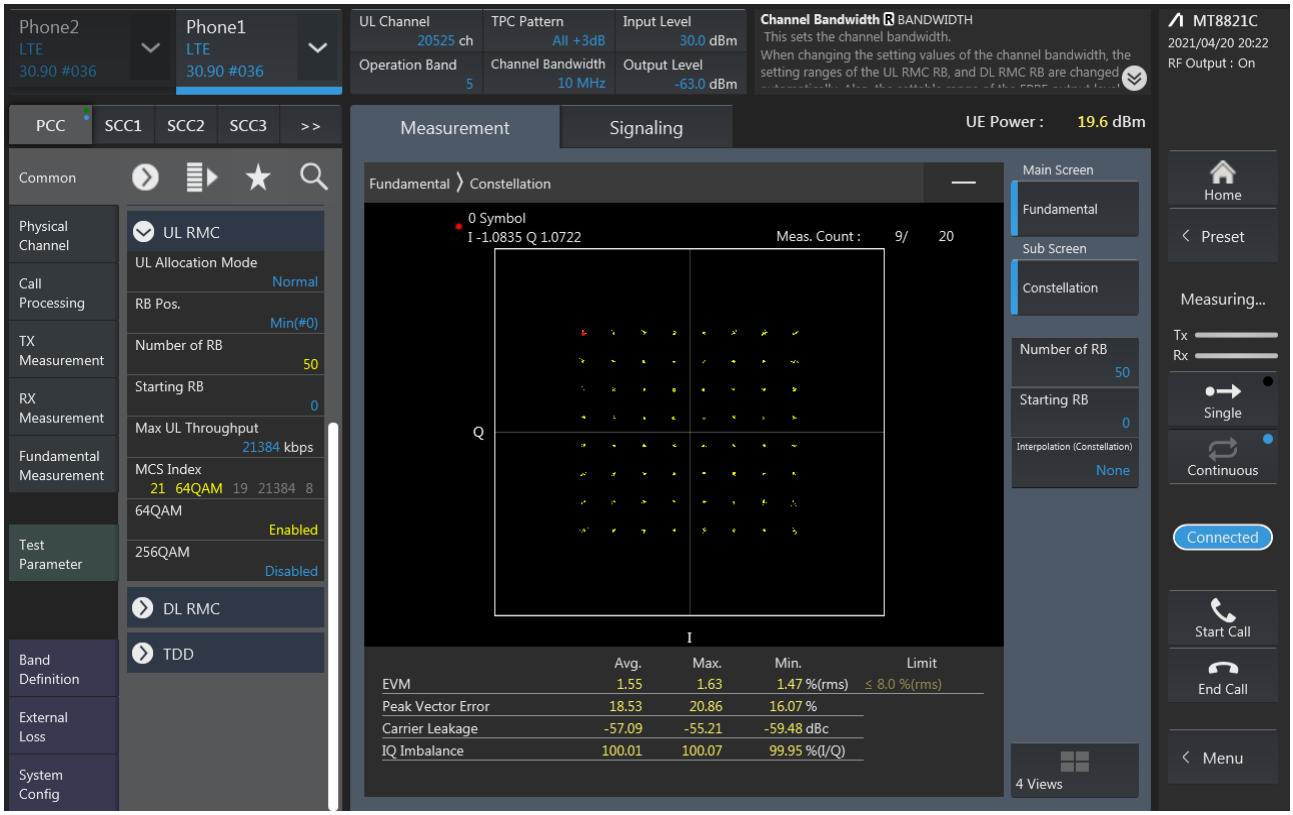
3.3. Test Mode = LTE /TM3 10MHz

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	1.091	1.248	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.091	1.248	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.091	1.245	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	1.094	1.245	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	1.097	1.242	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	1.094	1.242	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.088	1.251	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.091	1.254	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.088	1.251	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.703	3.054	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.703	3.054	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.703	3.048	PASS
Band5	3MHz	64QAM	20415	15RB#0	2.703	3.030	PASS
Band5	3MHz	64QAM	20525	15RB#0	2.709	3.036	PASS
Band5	3MHz	64QAM	20635	15RB#0	2.709	3.042	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.697	3.036	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.691	3.042	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.697	3.030	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.466	4.910	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.476	4.920	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.466	4.920	PASS
Band5	5MHz	64QAM	20425	25RB#0	4.466	4.910	PASS
Band5	5MHz	64QAM	20525	25RB#0	4.476	4.890	PASS
Band5	5MHz	64QAM	20625	25RB#0	4.466	4.910	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.466	4.940	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.486	4.920	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.476	4.920	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.931	9.760	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.931	9.780	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.951	9.800	PASS
Band5	10MHz	64QAM	20450	50RB#0	8.951	9.780	PASS

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Band5	10MHz	64QAM	20525	50RB#0	8.931	9.760	PASS
Band5	10MHz	64QAM	20600	50RB#0	8.951	9.840	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.931	9.800	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.931	9.760	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.951	9.800	PASS

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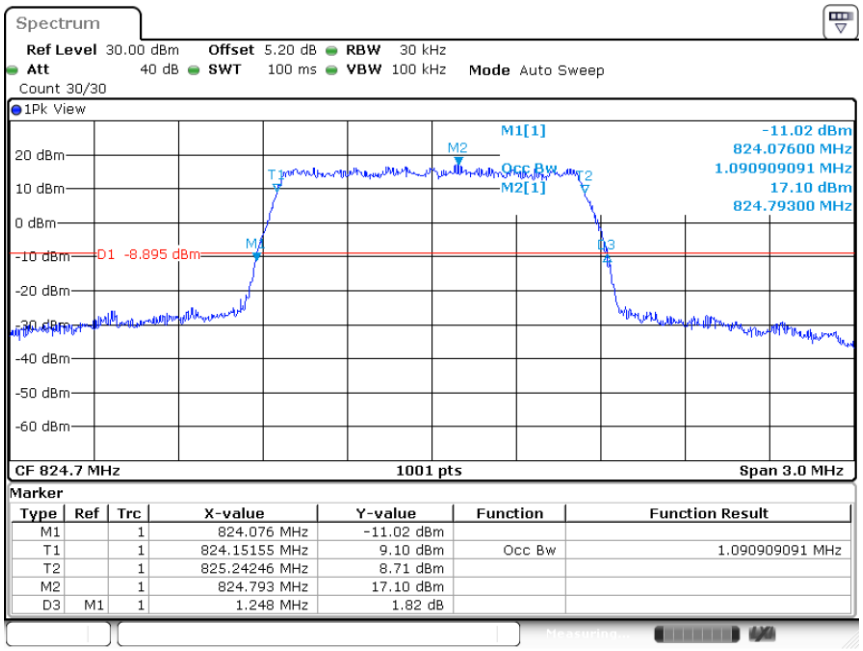
4.2. Test Plots

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



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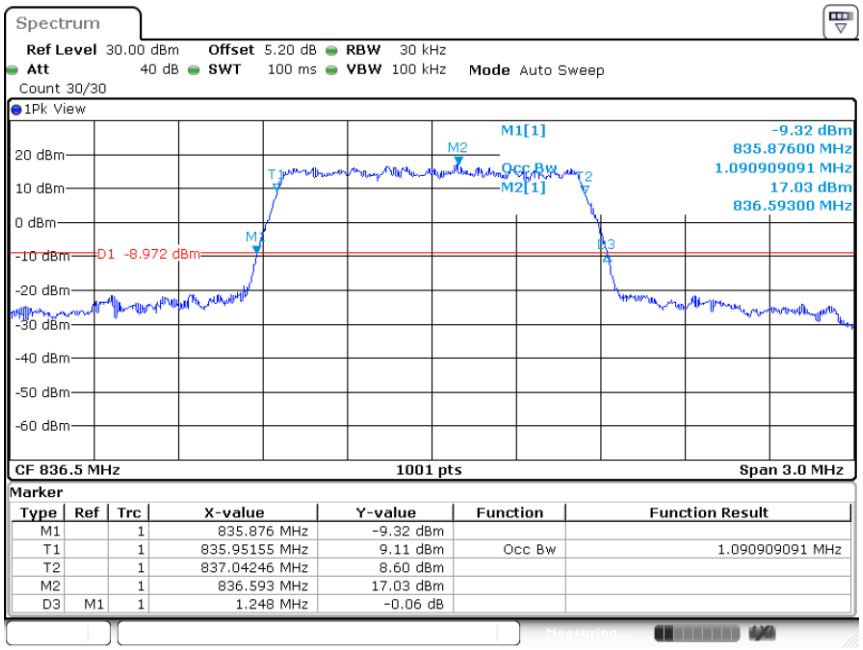

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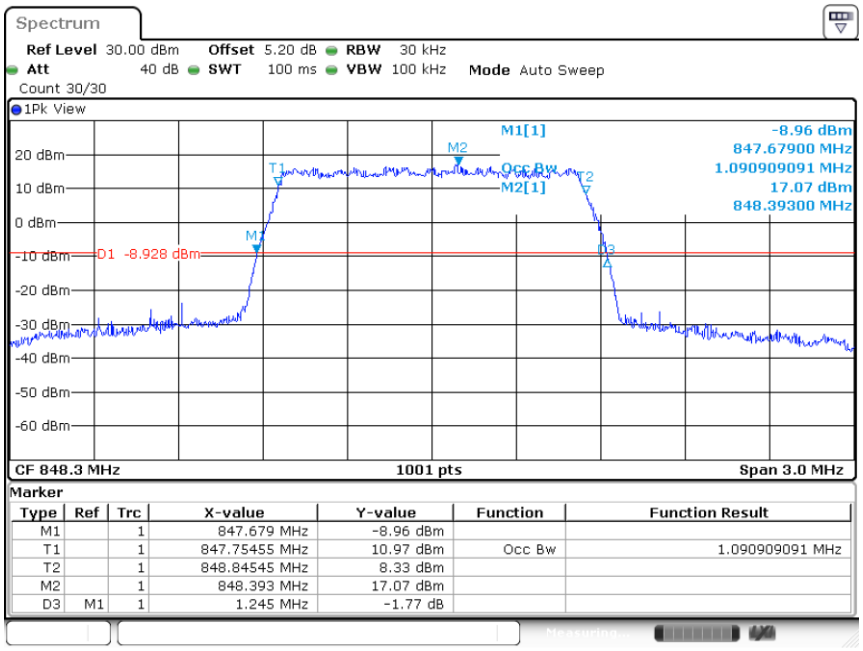
Band5-1.4MHz-QPSK-20643-6RB#0-1.091



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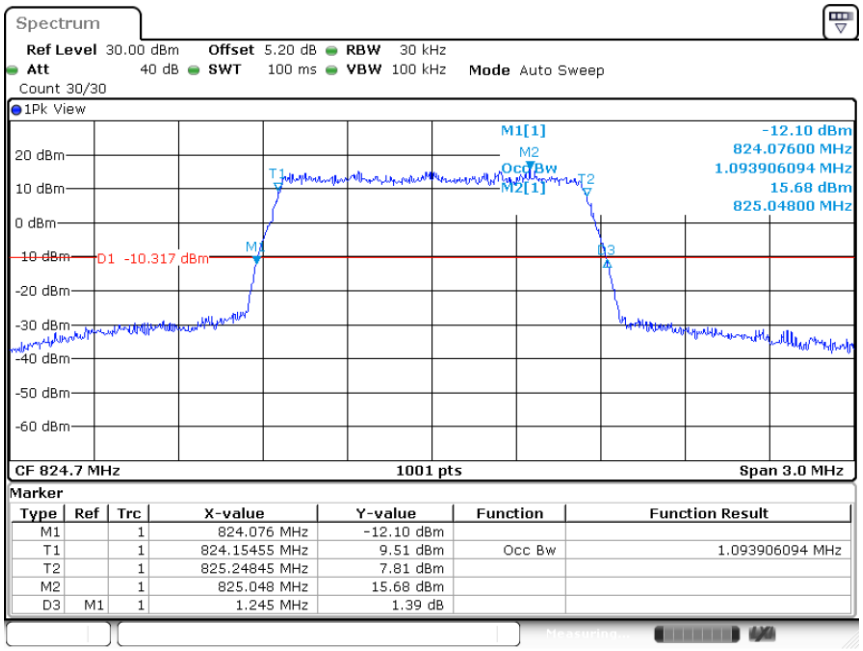

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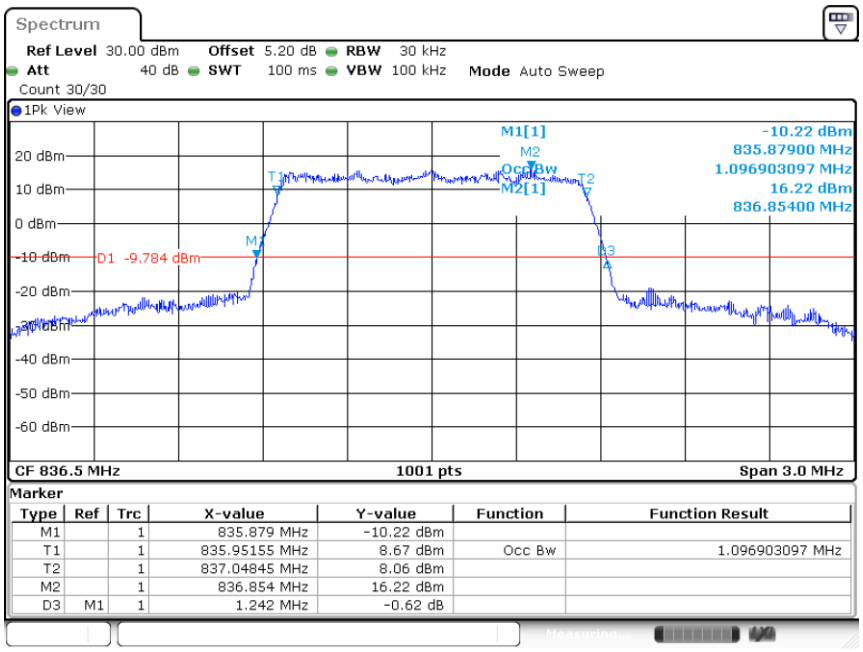
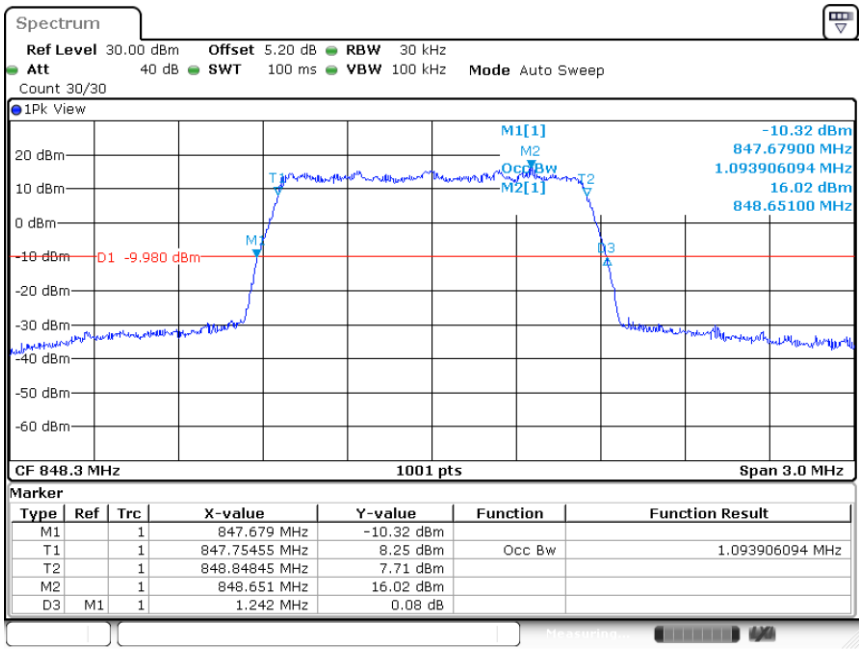


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	835.879 MHz	-10.22 dBm		
T1		1	835.95155 MHz	8.67 dBm	Occ Bw	1.096903097 MHz
T2		1	837.04845 MHz	8.06 dBm		
M2		1	836.854 MHz	16.22 dBm		
D3	M1	1	1.242 MHz	-0.62 dB		

Date: 14.APR.2021 00:09:53

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



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	847.679 MHz	-10.32 dBm		
T1		1	847.75455 MHz	8.25 dBm	Occ Bw	1.093906094 MHz
T2		1	848.84845 MHz	7.71 dBm		
M2		1	848.651 MHz	16.02 dBm		
D3	M1	1	1.242 MHz	0.08 dB		

Date: 14.APR.2021 00:10:06

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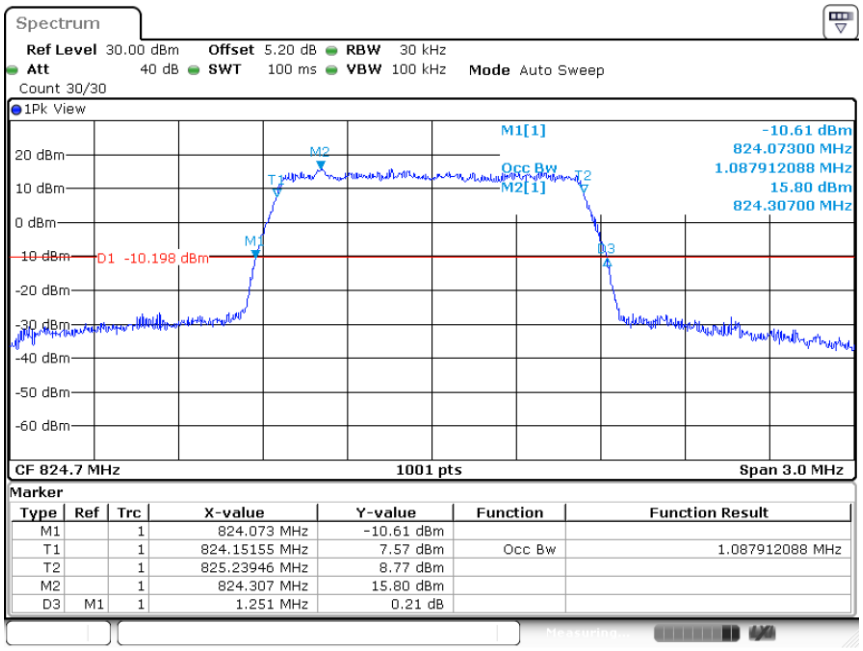
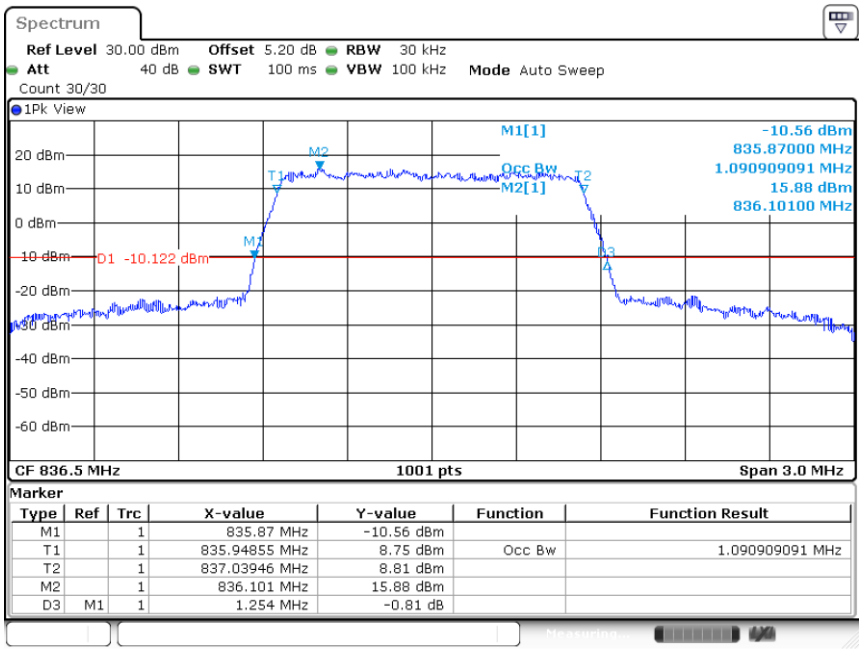
Band5-1.4MHz-16QAM-20407-6RB#0-1.088



Date: 13.APR.2021 13:46:41

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



Date: 13.APR.2021 13:47:06

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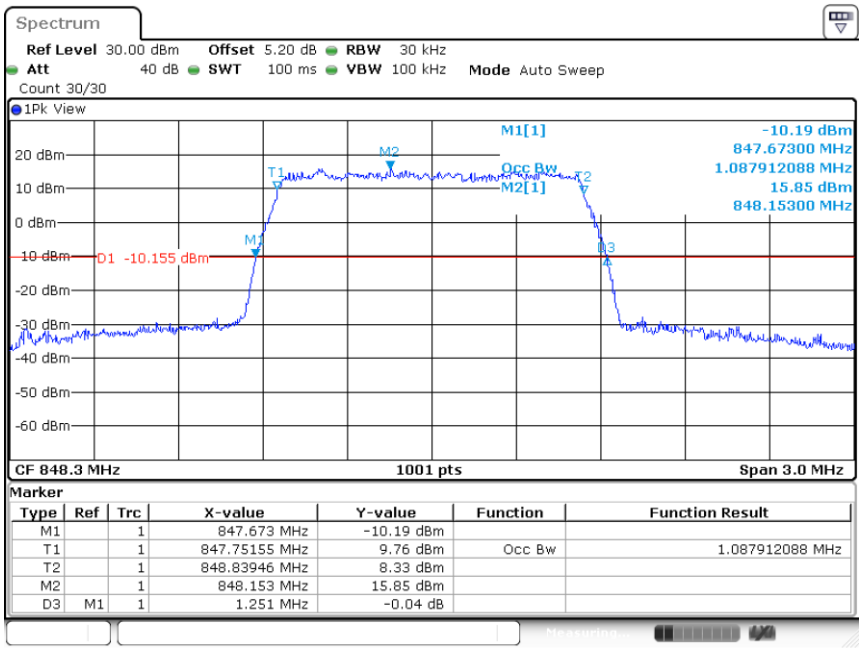
Band5-1.4MHz-16QAM-20643-6RB#0-1.088

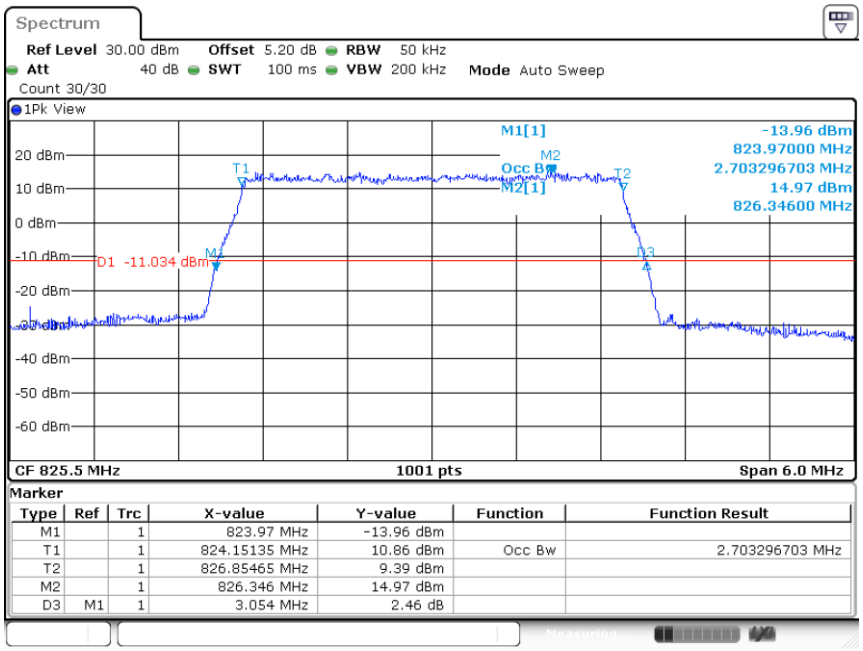


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	847.673 MHz	-10.19 dBm		
T1		1	847.75155 MHz	9.76 dBm	Occ Bw	1.087912088 MHz
T2		1	848.83946 MHz	8.33 dBm		
M2		1	848.153 MHz	15.85 dBm		
D3	M1	1	1.251 MHz	-0.04 dB		

Date: 13.APR.2021 13:47:32

Band5-3MHz-QPSK-20415-15RB#0-2.703



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	823.97 MHz	-13.96 dBm		
T1		1	824.15135 MHz	10.86 dBm	Occ Bw	2.703296703 MHz
T2		1	826.85465 MHz	9.39 dBm		
M2		1	826.346 MHz	14.97 dBm		
D3	M1	1	3.054 MHz	2.46 dB		

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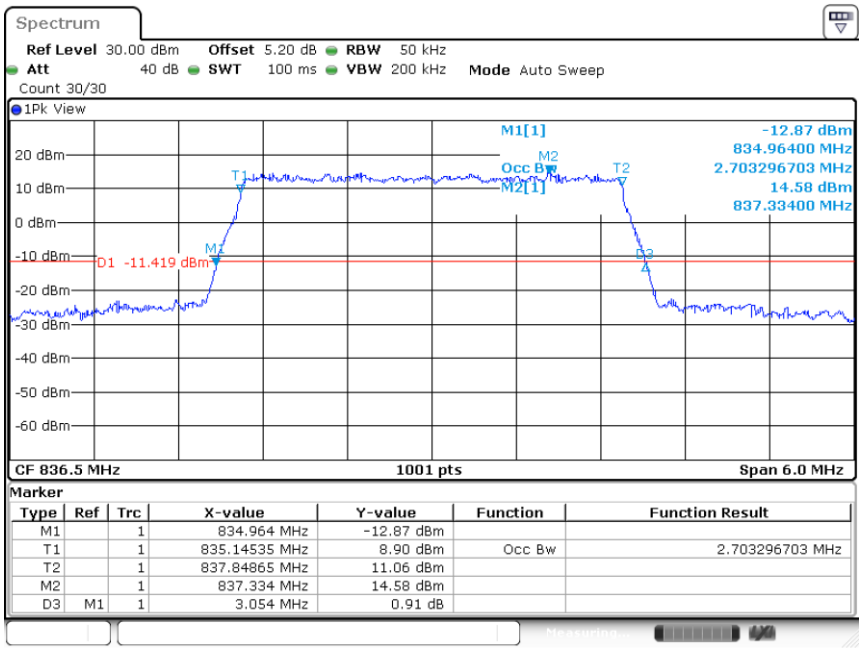
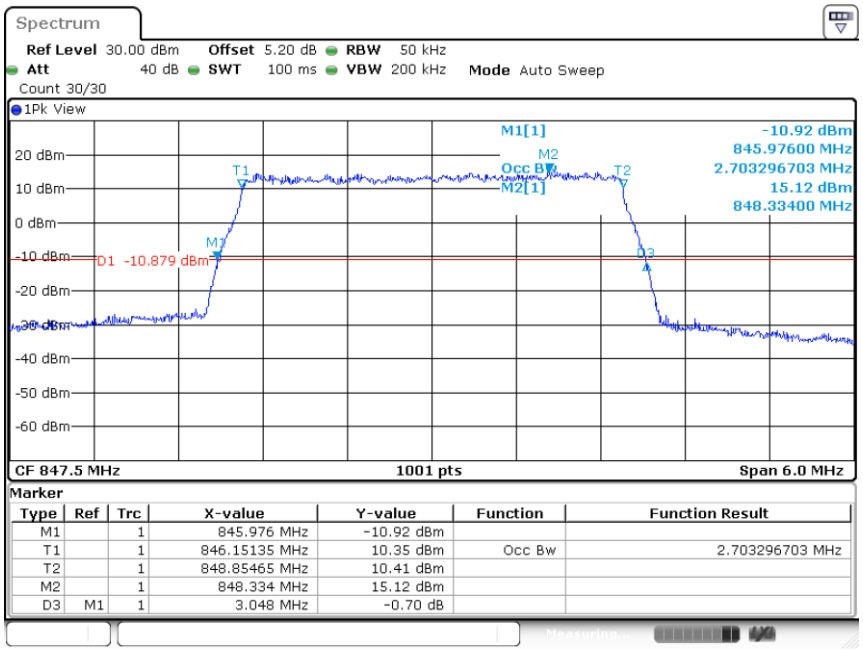
Band5-3MHz-QPSK-20525-15RB#0-2.703



Band5-3MHz-QPSK-20635-15RB#0-2.703



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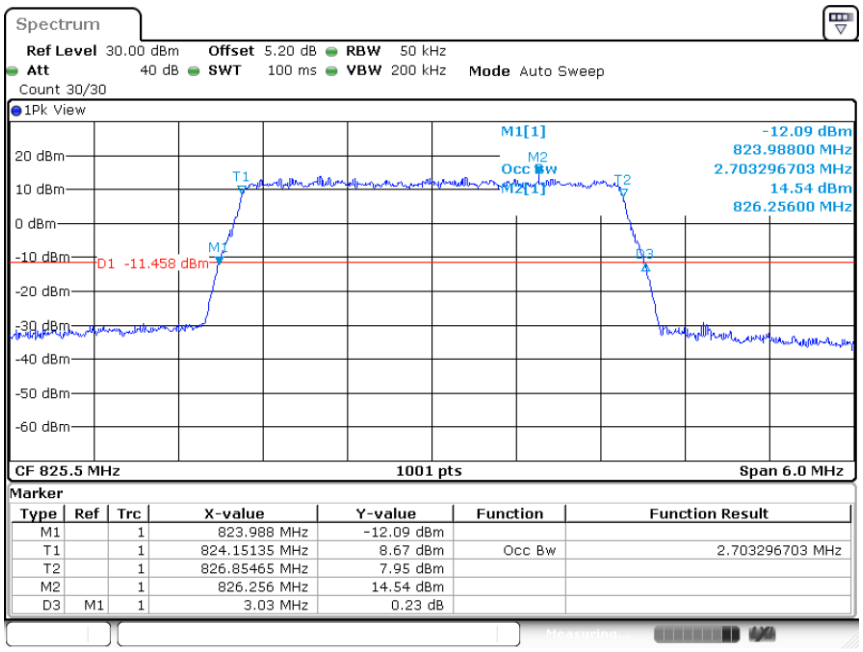
Band5-3MHz-64QAM-20415-15RB#0-2.703



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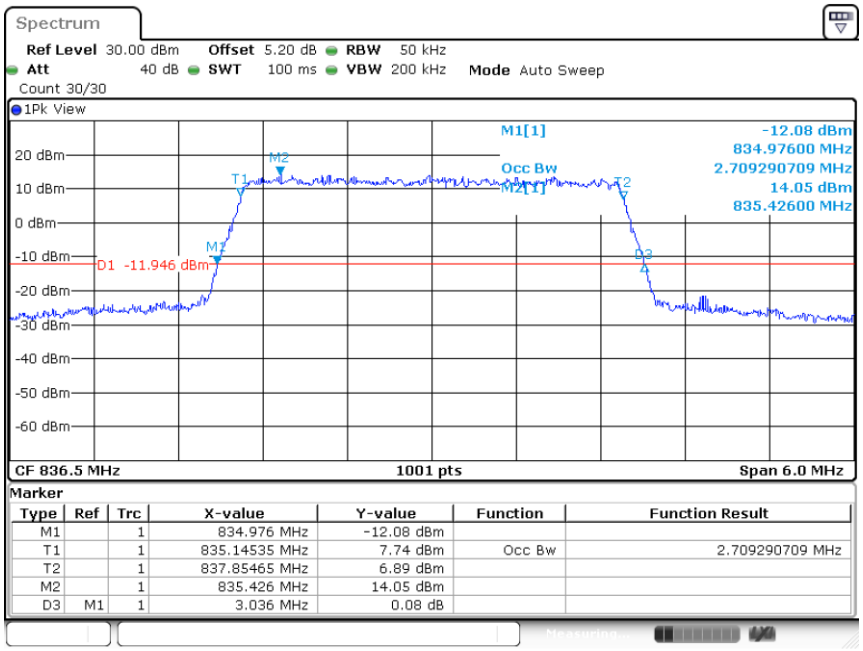
Band5-3MHz-64QAM-20525-15RB#0-2.709



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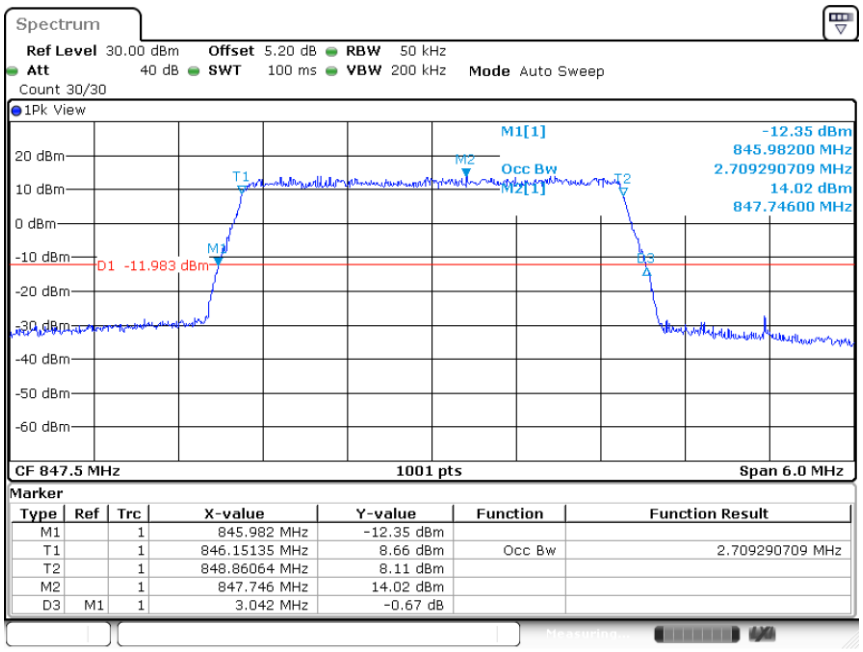
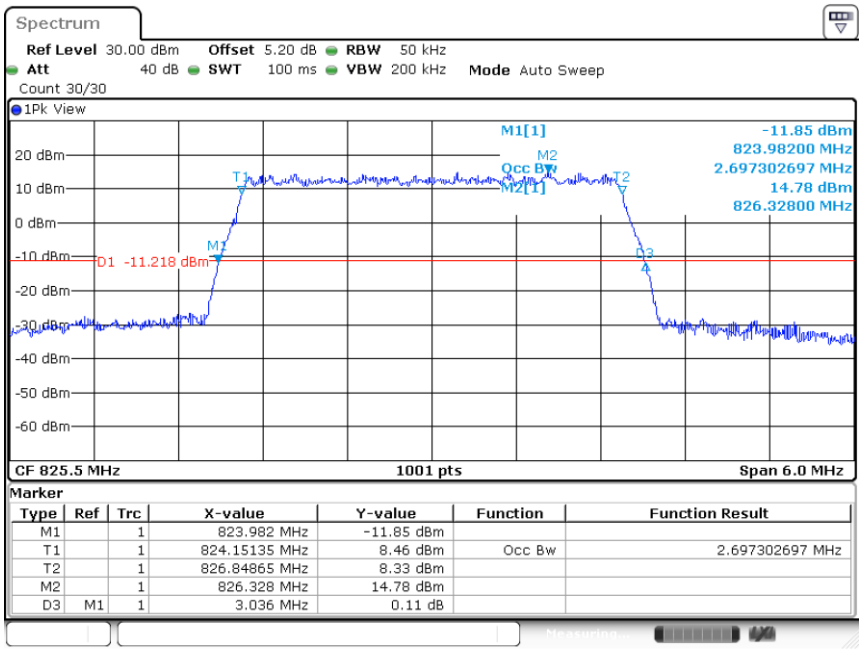
Band5-3MHz-64QAM-20635-15RB#0-2.709



Date: 14.APR.2021 00:16:35

Band5-3MHz-16QAM-20415-15RB#0-2.697



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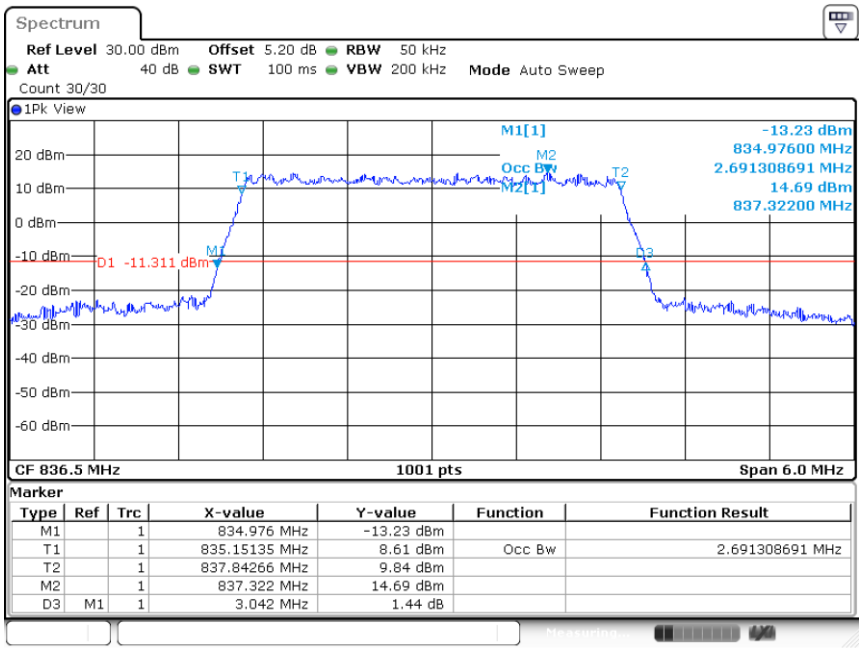
Band5-3MHz-16QAM-20525-15RB#0-2.691

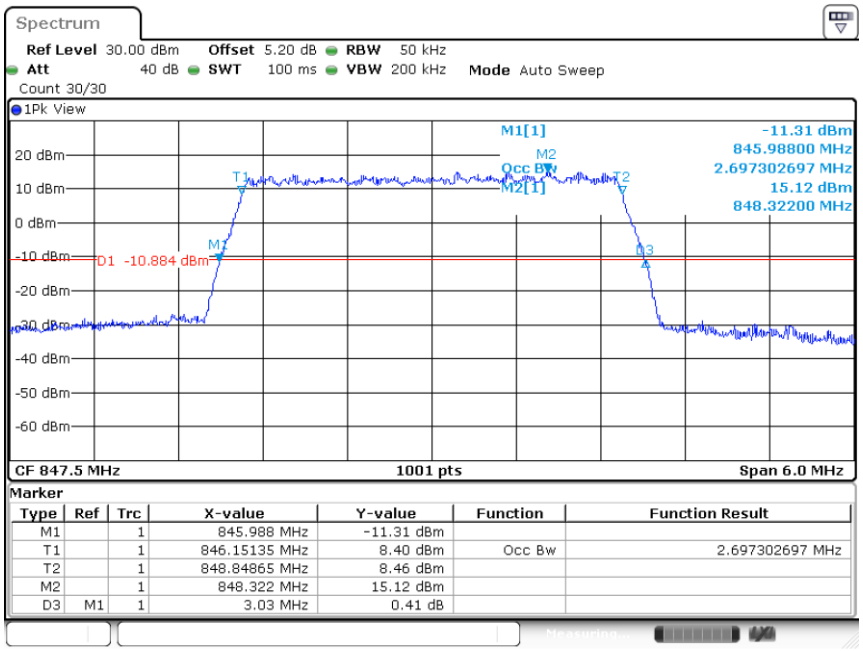


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	834.976 MHz	-13.23 dBm		
T1		1	835.15135 MHz	8.61 dBm	Occ Bw	2.691308691 MHz
T2		1	837.84266 MHz	9.84 dBm		
M2		1	837.322 MHz	14.69 dBm		
D3	M1	1	3.042 MHz	1.44 dB		

Date: 13.APR.2021 13:48:28

Band5-3MHz-16QAM-20635-15RB#0-2.697



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	845.988 MHz	-11.31 dBm		
T1		1	846.15135 MHz	8.40 dBm	Occ Bw	2.697302697 MHz
T2		1	848.84865 MHz	8.46 dBm		
M2		1	848.322 MHz	15.12 dBm		
D3	M1	1	3.03 MHz	0.41 dB		

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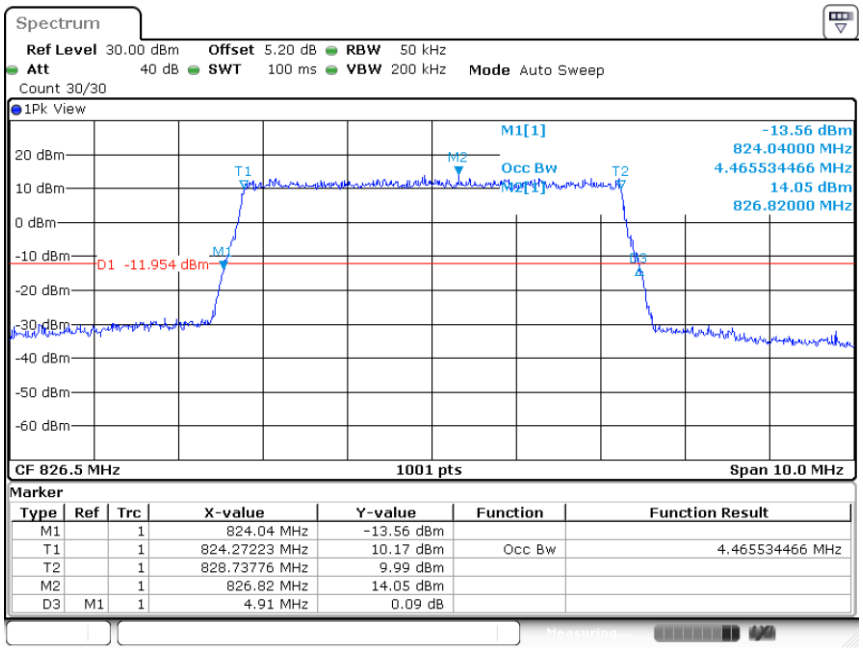
Band5-5MHz-QPSK-20425-25RB#0-4.466



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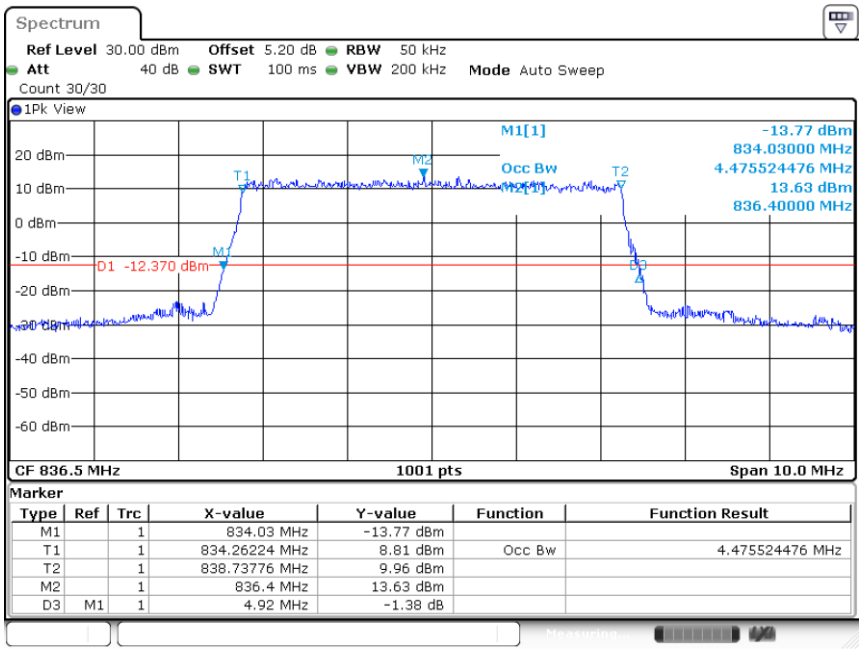
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	824.04 MHz	-13.56 dBm		
T1		1	824.27223 MHz	10.17 dBm	Occ Bw	4.465534466 MHz
T2		1	828.73776 MHz	9.99 dBm		
M2		1	826.82 MHz	14.05 dBm		
D3	M1	1	4.91 MHz	0.09 dB		

Date: 13.APR.2021 13:49:11

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



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	834.03 MHz	-13.77 dBm		
T1		1	834.26224 MHz	8.81 dBm	Occ Bw	4.475524476 MHz
T2		1	838.73776 MHz	9.96 dBm		
M2		1	836.4 MHz	13.63 dBm		
D3	M1	1	4.92 MHz	-1.38 dB		

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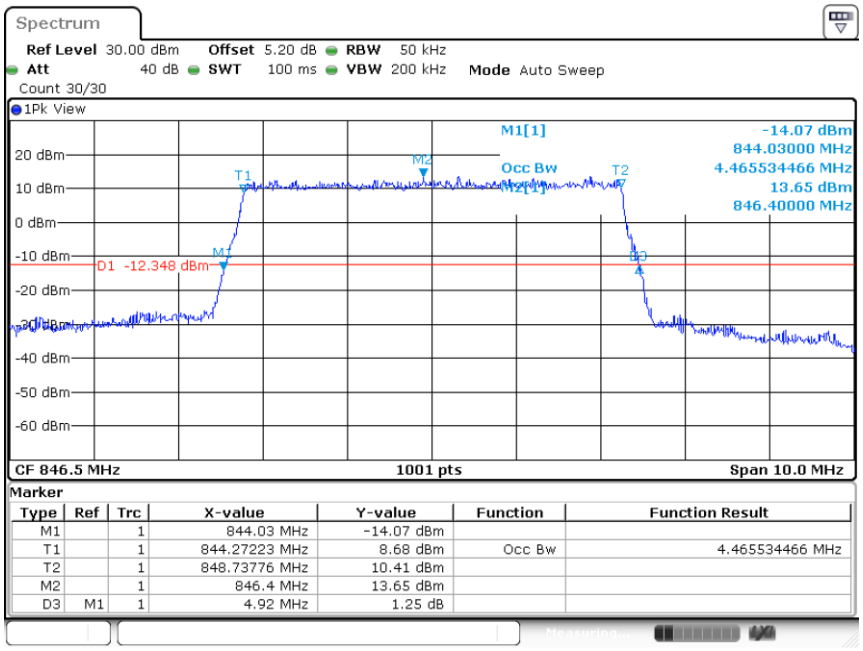
Band5-5MHz-QPSK-20625-25RB#0-4.466

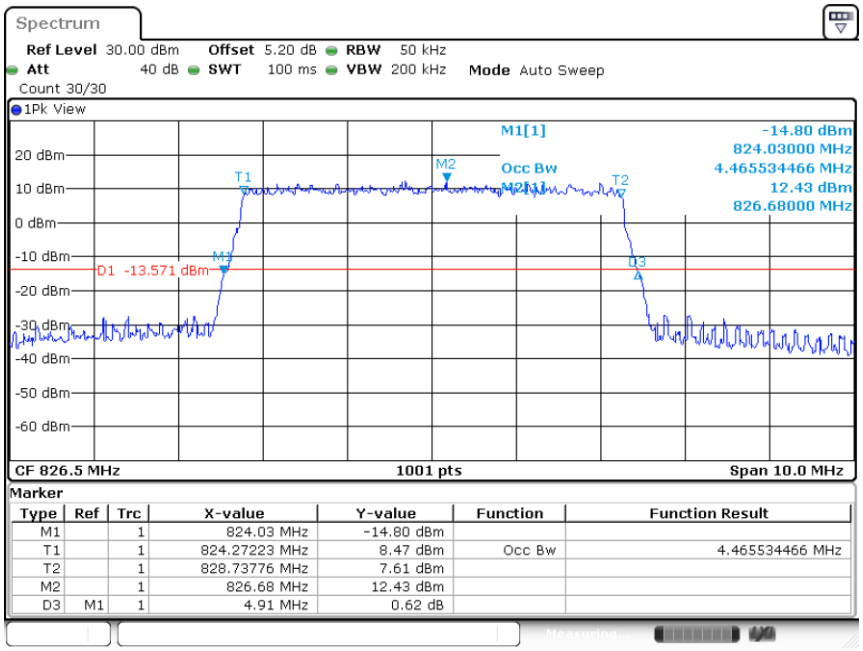


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	844.03 MHz	-14.07 dBm		
T1		1	844.27223 MHz	8.68 dBm	Occ Bw	4.465534466 MHz
T2		1	848.73776 MHz	10.41 dBm		
M2		1	846.4 MHz	13.65 dBm		
D3	M1	1	4.92 MHz	1.25 dB		

Date: 13.APR.2021 13:50:02

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



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	824.03 MHz	-14.80 dBm		
T1		1	824.27223 MHz	8.47 dBm	Occ Bw	4.465534466 MHz
T2		1	828.73776 MHz	7.61 dBm		
M2		1	826.68 MHz	12.43 dBm		
D3	M1	1	4.91 MHz	0.62 dB		

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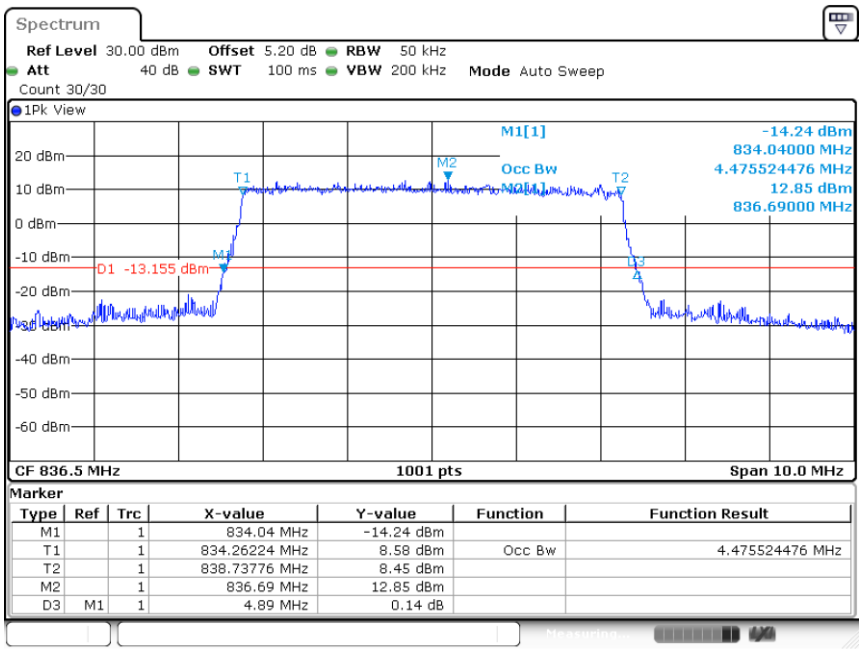
Band5-5MHz-64QAM-20525-25RB#0-4.476



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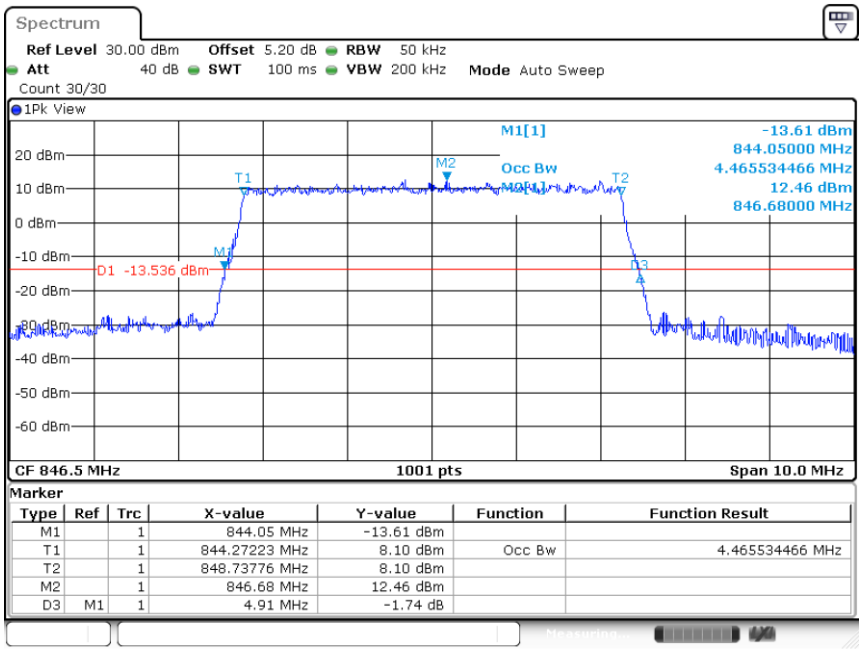
Band5-5MHz-64QAM-20625-25RB#0-4.466



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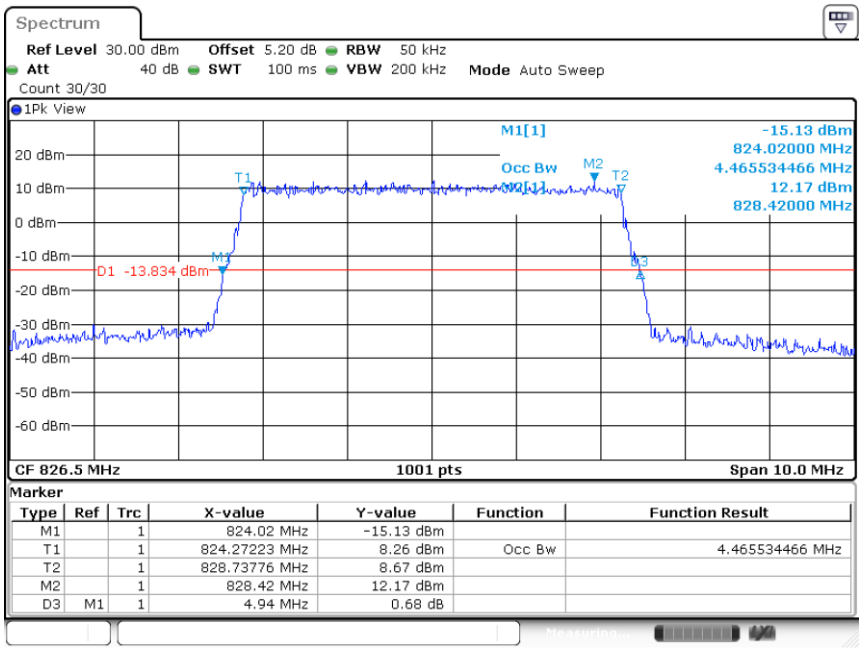
Band5-5MHz-16QAM-20425-25RB#0-4.466



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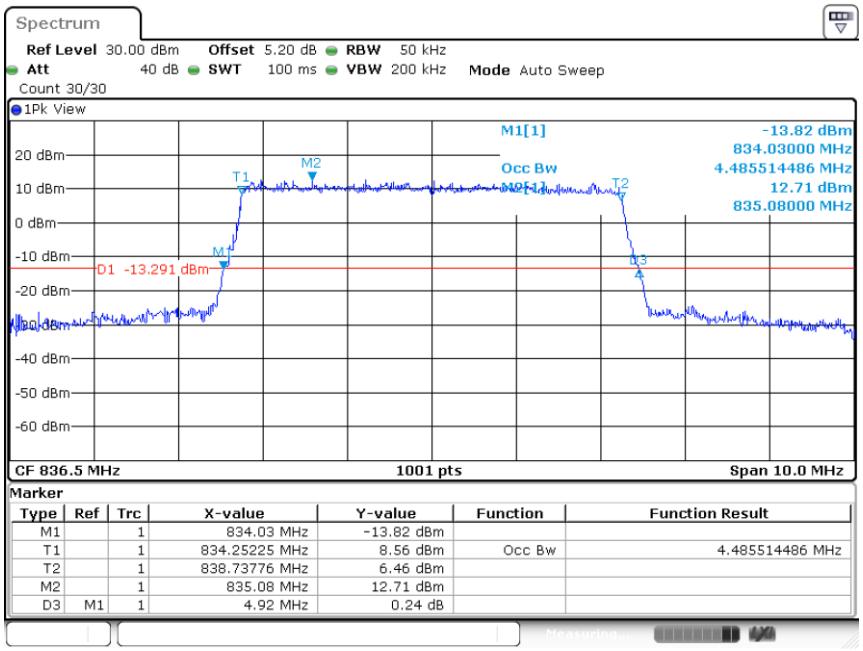
Band5-5MHz-16QAM-20525-25RB#0-4.486



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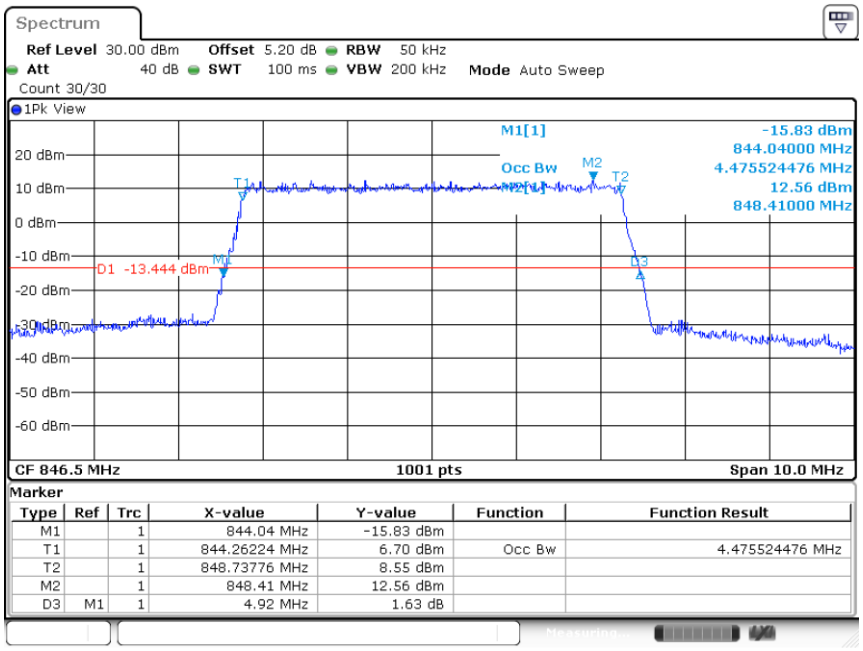
Band5-5MHz-16QAM-20625-25RB#0-4.476



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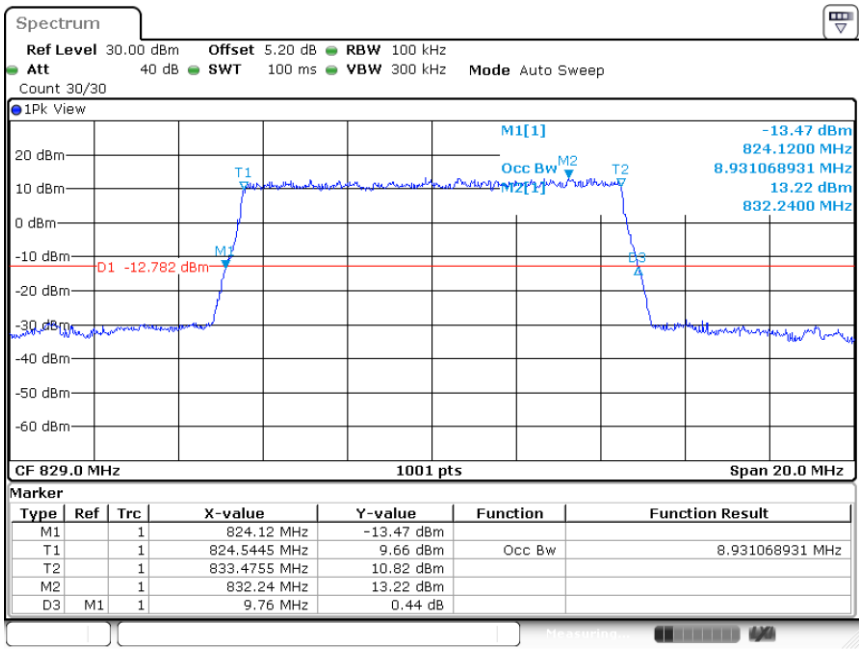
Band5-10MHz-QPSK-20450-50RB#0-8.931



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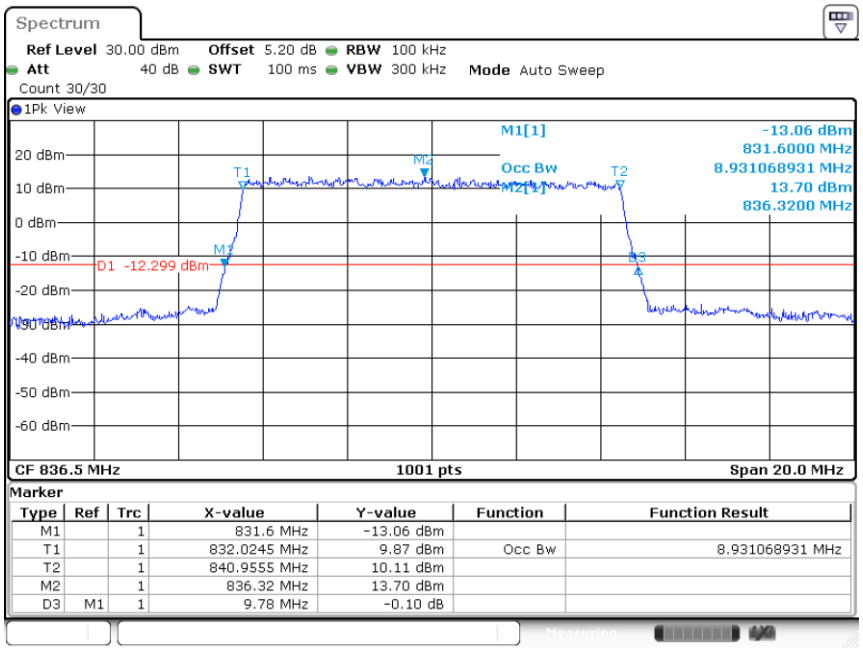
Band5-10MHz-QPSK-20525-50RB#0-8.931

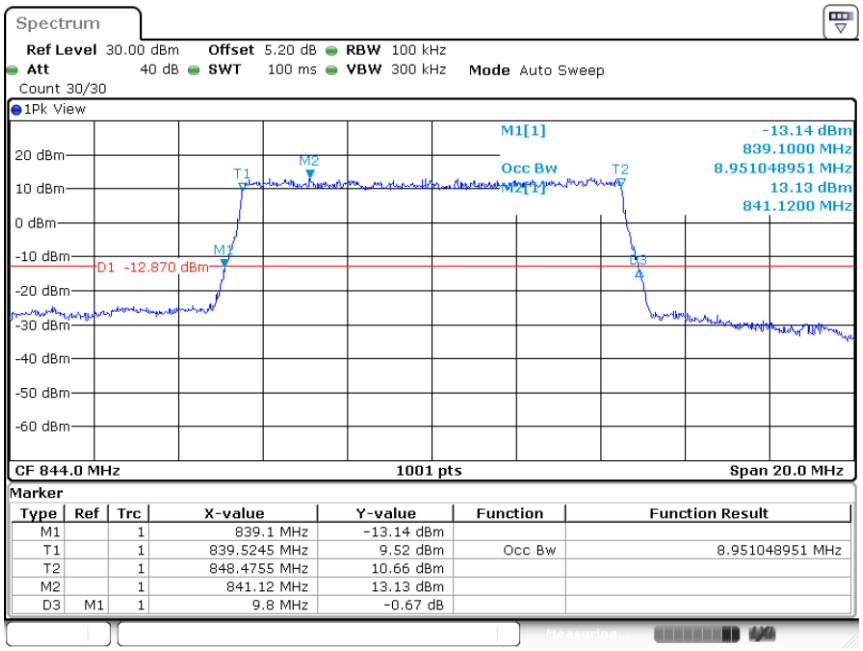


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	831.6 MHz	-13.06 dBm		
T1		1	832.0245 MHz	9.87 dBm	Occ Bw	8.931068931 MHz
T2		1	840.9555 MHz	10.11 dBm		
M2		1	836.32 MHz	13.70 dBm		
D3	M1	1	9.78 MHz	-0.10 dB		

Date: 13.APR.2021 13:50:58

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



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	839.1 MHz	-13.14 dBm		
T1		1	839.5245 MHz	9.52 dBm	Occ Bw	8.951048951 MHz
T2		1	848.4755 MHz	10.66 dBm		
M2		1	841.12 MHz	13.13 dBm		
D3	M1	1	9.8 MHz	-0.67 dB		

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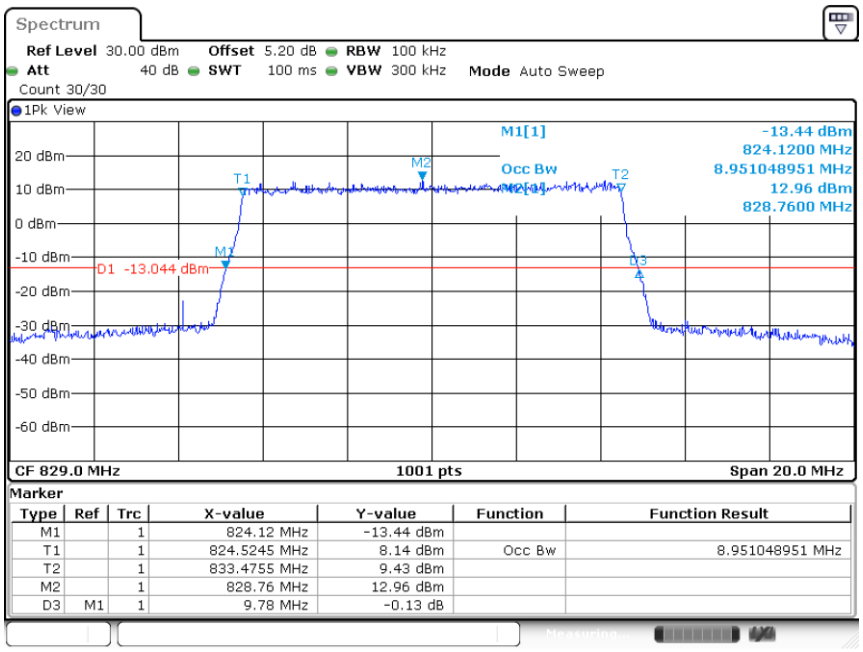
Band5-10MHz-64QAM-20450-50RB#0-8.951



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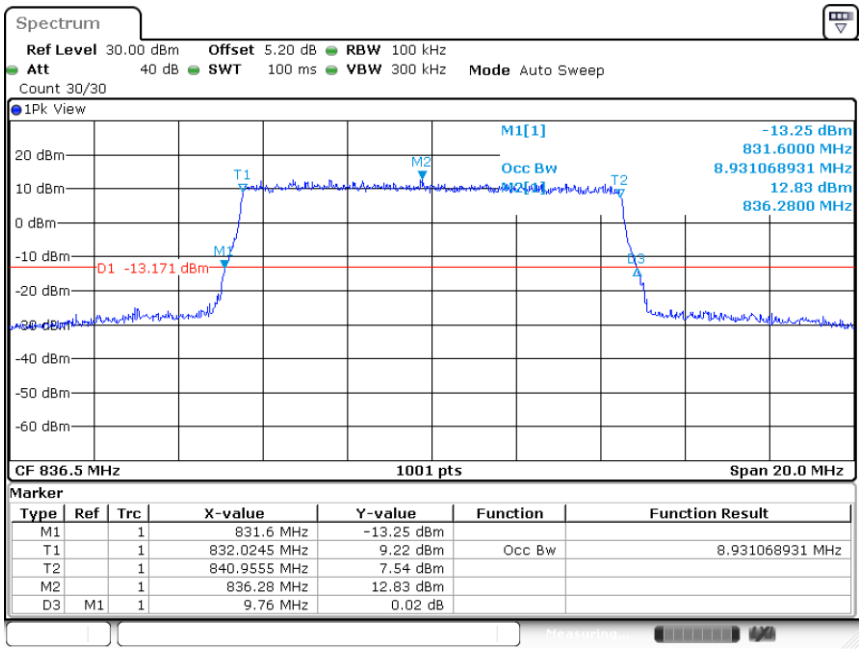
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	824.12 MHz	-13.44 dBm		
T1		1	824.5245 MHz	8.14 dBm	Occ Bw	8.951048951 MHz
T2		1	833.4755 MHz	9.43 dBm		
M2		1	828.76 MHz	12.96 dBm		
D3	M1	1	9.78 MHz	-0.13 dB		

Date: 14.APR.2021 00:17:37

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



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	831.6 MHz	-13.25 dBm		
T1		1	832.0245 MHz	9.22 dBm	Occ Bw	8.931068931 MHz
T2		1	840.9555 MHz	7.54 dBm		
M2		1	836.28 MHz	12.83 dBm		
D3	M1	1	9.76 MHz	0.02 dB		

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