



Appendix B

E-UTRA Band 5



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1 Effective (Isotropic) Radiated Power

1.1. Test Result

Down Antenna:

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	24.10	21.35	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	24.04	21.29	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.96	21.21	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	23.92	21.17	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	23.99	21.24	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	23.90	21.15	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.96	20.21	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.90	21.15	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.71	20.96	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.48	20.73	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	23.63	20.88	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	23.92	21.17	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	23.83	21.08	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.71	19.96	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.16	20.41	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.06	20.31	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.41	20.66	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	23.16	20.41	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	23.20	20.45	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	23.40	20.65	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.27	19.52	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	23.39	20.64	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	23.68	20.93	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.98	20.23	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	23.10	20.35	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	23.23	20.48	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	22.87	20.12	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	22.08	19.33	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	23.05	20.3	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.83	20.08	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	23.28	20.53	38.45	PASS



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Band5	1.4MHz	16QAM	20525	3RB#0	22.71	19.96	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	22.72	19.97	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	22.85	20.1	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.89	19.14	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.49	19.74	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.95	20.2	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.93	20.18	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	22.17	19.42	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	22.43	19.68	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	22.48	19.73	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.30	18.55	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	24.17	21.42	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	24.00	21.25	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.81	21.06	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#0	22.97	20.22	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#4	23.00	20.25	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#7	23.04	20.29	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.91	20.16	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.83	21.08	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.76	21.01	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.56	20.81	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#0	22.62	19.87	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#4	22.69	19.94	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.48	19.73	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.56	19.81	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.66	20.91	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.21	20.46	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.01	20.26	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#0	22.19	19.44	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#4	22.22	19.47	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.33	19.58	38.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.16	19.41	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.86	20.11	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	23.45	20.7	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.95	20.2	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#0	21.96	19.21	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#4	21.91	19.16	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#7	22.01	19.26	38.45	PASS



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Band5	3MHz	16QAM	20415	15RB#0	21.97	19.22	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	23.09	20.34	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	23.03	20.28	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.49	19.74	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#0	21.59	18.84	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#4	21.71	18.96	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#7	21.64	18.89	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.58	18.83	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.18	19.43	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.39	19.64	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.46	19.71	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#0	21.04	18.29	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#4	21.06	18.31	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#7	21.13	18.38	38.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.15	18.4	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	24.28	21.53	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.90	21.15	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.78	21.03	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#0	22.93	20.18	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#6	22.82	20.07	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#13	22.95	20.2	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.85	20.1	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.87	21.12	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.77	21.02	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.57	20.82	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.72	19.97	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.79	20.04	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.66	19.91	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.69	19.94	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.85	21.1	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.24	20.49	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.03	20.28	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#0	22.12	19.37	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#6	22.07	19.32	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#13	22.16	19.41	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.07	19.32	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	23.45	20.7	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	23.50	20.75	38.45	PASS



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Band5	5MHz	16QAM	20425	1RB#24	22.99	20.24	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#0	21.95	19.2	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#6	21.88	19.13	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#13	21.93	19.18	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.96	19.21	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.66	19.91	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.92	20.17	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.68	19.93	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#0	21.75	19	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#6	21.71	18.96	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#13	21.50	18.75	38.45	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.61	18.86	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.34	19.59	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.68	19.93	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.55	19.8	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#0	21.18	18.43	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#6	21.13	18.38	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#13	21.03	18.28	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.07	18.32	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	24.27	21.52	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.22	20.47	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.80	21.05	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.32	19.57	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#12	22.40	19.65	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.61	19.86	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.52	19.77	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.86	21.11	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.25	20.5	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.87	21.12	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.31	19.56	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.38	19.63	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.60	19.85	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.44	19.69	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.87	21.12	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	22.81	20.06	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.49	20.74	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#0	21.82	19.07	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#12	21.87	19.12	38.45	PASS



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Band5	10MHz	QPSK	20600	25RB#25	22.06	19.31	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.02	19.27	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	23.19	20.44	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.76	20.01	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	23.04	20.29	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.43	18.68	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#12	21.41	18.66	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.51	18.76	38.45	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.60	18.85	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	23.01	20.26	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.38	19.63	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	23.23	20.48	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.14	18.39	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#12	21.23	18.48	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#25	21.51	18.76	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.32	18.57	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	21.96	19.21	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	21.81	19.06	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.65	19.9	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#0	20.88	18.13	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#12	20.95	18.2	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#25	20.93	18.18	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	20.98	18.23	38.45	PASS



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Up Antenna:

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	24.03	16.58	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.63	16.18	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.61	16.16	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	22.70	15.25	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	22.58	15.13	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	22.69	15.24	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.65	15.20	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.54	16.09	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.45	16.00	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.38	15.93	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	22.45	15.00	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	22.49	15.04	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	22.50	15.05	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.46	15.01	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.45	16.00	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	22.99	15.54	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	22.83	15.38	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	22.25	14.80	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	22.26	14.81	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	22.29	14.84	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	21.82	14.37	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.85	15.40	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.75	15.30	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.73	15.28	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	21.82	14.37	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	21.72	14.27	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	21.65	14.20	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.59	14.14	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.75	15.30	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.69	15.24	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.34	14.89	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	21.51	14.06	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	21.58	14.13	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	21.49	14.04	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.38	13.93	38.45	PASS



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Band5	1.4MHz	16QAM	20643	1RB#0	22.55	15.10	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.10	14.65	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.63	15.18	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	21.21	13.76	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	21.24	13.79	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	21.23	13.78	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	20.83	13.38	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.82	16.37	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.79	16.34	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.61	16.16	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#0	22.61	15.16	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#4	22.60	15.15	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#7	22.97	15.52	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.67	15.22	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.30	15.85	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.35	15.90	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.35	15.90	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#0	22.17	14.72	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#4	22.35	14.90	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.20	14.75	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.20	14.75	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.72	16.27	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	22.89	15.44	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.08	15.63	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#0	21.89	14.44	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#4	21.83	14.38	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#7	21.90	14.45	38.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	21.95	14.50	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	23.06	15.61	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.95	15.50	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	23.04	15.59	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#0	21.69	14.24	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#4	21.61	14.16	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#7	21.57	14.12	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.55	14.10	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.85	15.40	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.75	15.30	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.76	15.31	38.45	PASS



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Band5	3MHz	16QAM	20525	8RB#0	21.34	13.89	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#4	21.31	13.86	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#7	21.40	13.95	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.18	13.73	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	21.82	14.37	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.23	14.78	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.15	14.70	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#0	20.89	13.44	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#4	20.92	13.47	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#7	20.99	13.54	38.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	20.86	13.41	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	24.03	16.58	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.63	16.18	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.61	16.16	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#0	22.70	15.25	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#6	22.58	15.13	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#13	22.69	15.24	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.65	15.20	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.54	16.09	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.45	16.00	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.38	15.93	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.45	15.00	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.49	15.04	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.50	15.05	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.46	15.01	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.45	16.00	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	22.99	15.54	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	22.87	15.42	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#0	21.85	14.40	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#6	21.86	14.41	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#13	21.89	14.44	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	21.82	14.37	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.85	15.40	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	23.09	15.64	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.73	15.28	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#0	21.82	14.37	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#6	21.72	14.27	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#13	21.65	14.20	38.45	PASS





Band5	5MHz	16QAM	20425	25RB#0	21.59	14.14	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.75	15.30	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.69	15.24	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.34	14.89	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#0	21.51	14.06	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#6	21.58	14.13	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#13	21.49	14.04	38.45	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.38	13.93	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.55	15.10	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.10	14.65	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.63	15.18	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#0	22.00	14.55	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#6	20.84	13.39	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#13	20.93	13.48	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.00	13.55	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	24.13	16.68	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.00	15.55	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.82	16.37	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.27	14.82	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#12	22.40	14.95	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.56	15.11	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.42	14.97	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.60	16.15	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.21	15.76	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.82	16.37	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.10	14.65	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.21	14.76	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.49	15.04	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.43	14.98	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.42	15.97	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	22.83	15.38	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.51	16.06	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#0	21.92	14.47	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.03	14.58	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#25	22.33	14.88	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.21	14.76	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.75	15.30	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.90	15.45	38.45	PASS



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Band5	10MHz	16QAM	20450	1RB#49	22.83	15.38	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.42	13.97	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#12	21.47	14.02	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.55	14.10	38.45	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.44	13.99	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.84	15.39	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.10	14.65	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	23.23	15.78	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.15	13.70	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#12	21.15	13.70	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#25	21.42	13.97	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.41	13.96	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.66	15.21	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.03	14.58	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	23.02	15.57	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#0	21.04	13.59	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#12	21.16	13.71	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#25	21.00	13.55	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.11	13.66	38.45	PASS

Remark:

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

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

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



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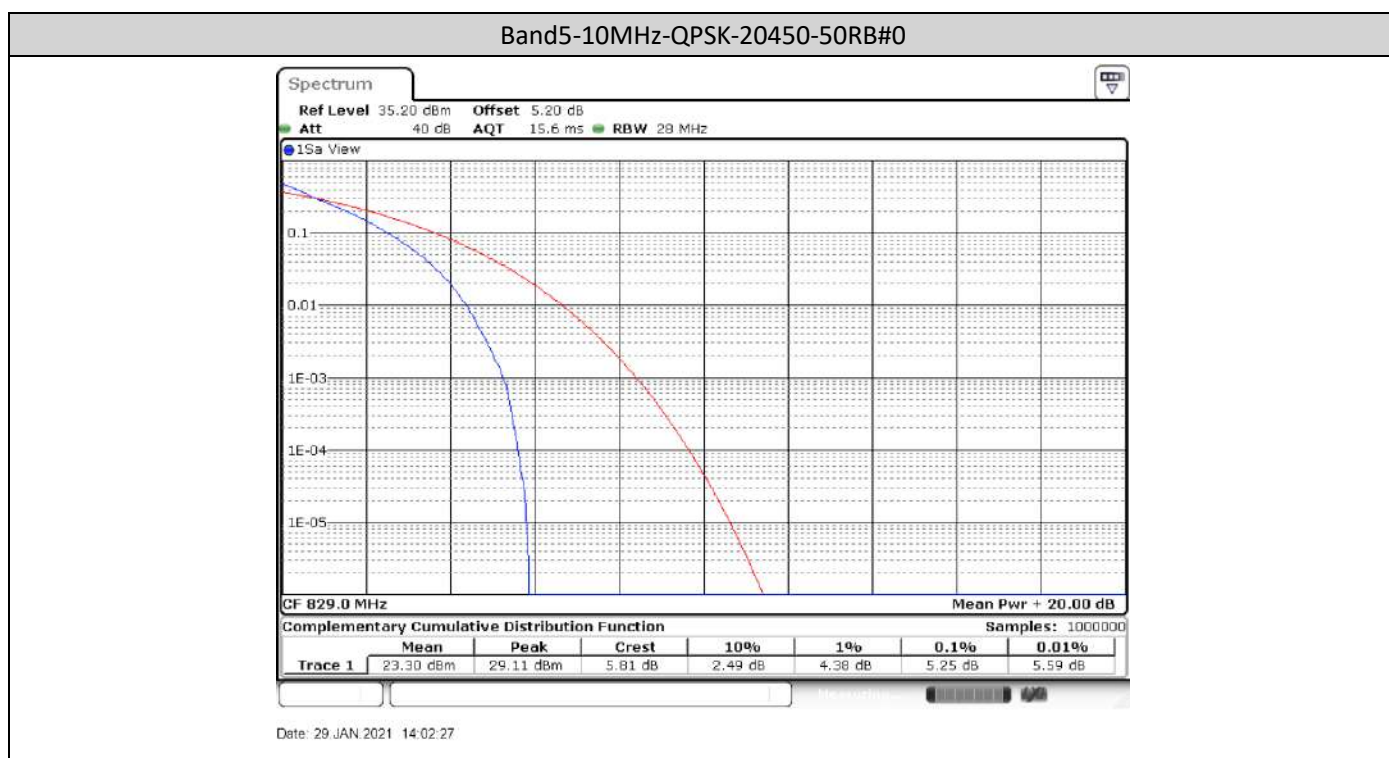


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	10MHz	QPSK	20450	50RB#0	5.25	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.42	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.33	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	5.88	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.14	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.06	13	PASS

2.2. Test Plots



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



Date: 29 JAN 2021 14:02:50

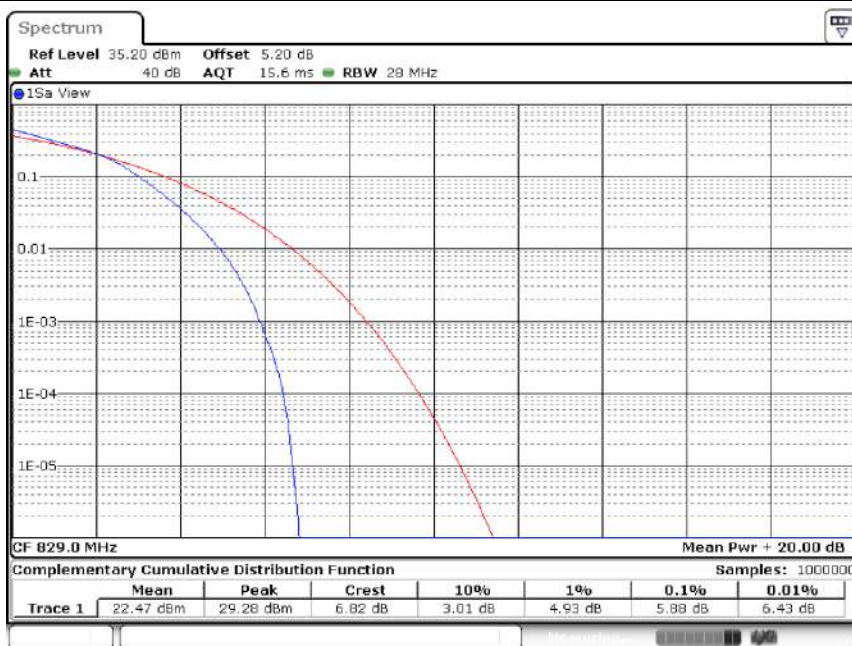
Band5-10MHz-QPSK-20600-50RB#0



Date: 29 JAN 2021 14:03:12

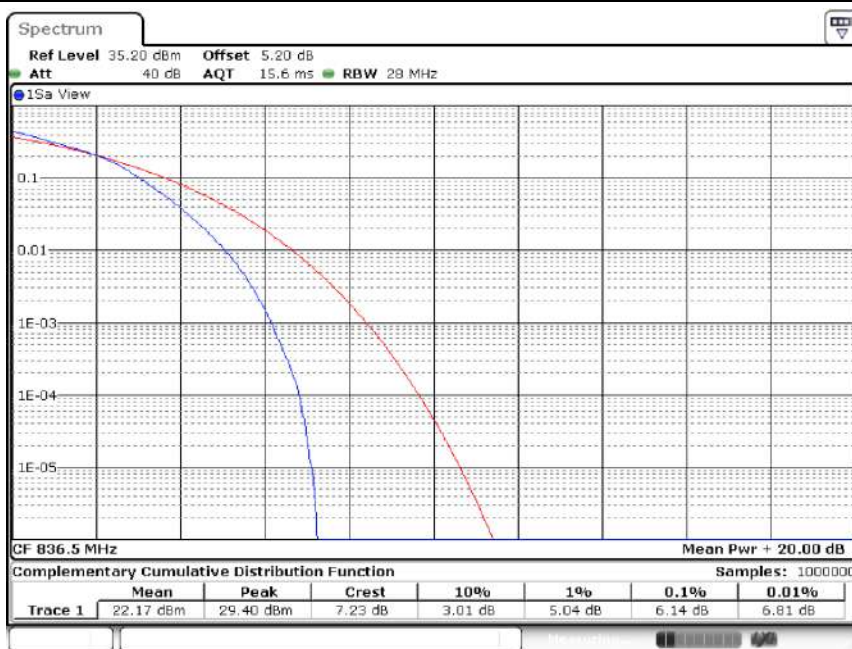


Band5-10MHz-16QAM-20450-50RB#0



Date: 29 JAN 2021 14:02:38

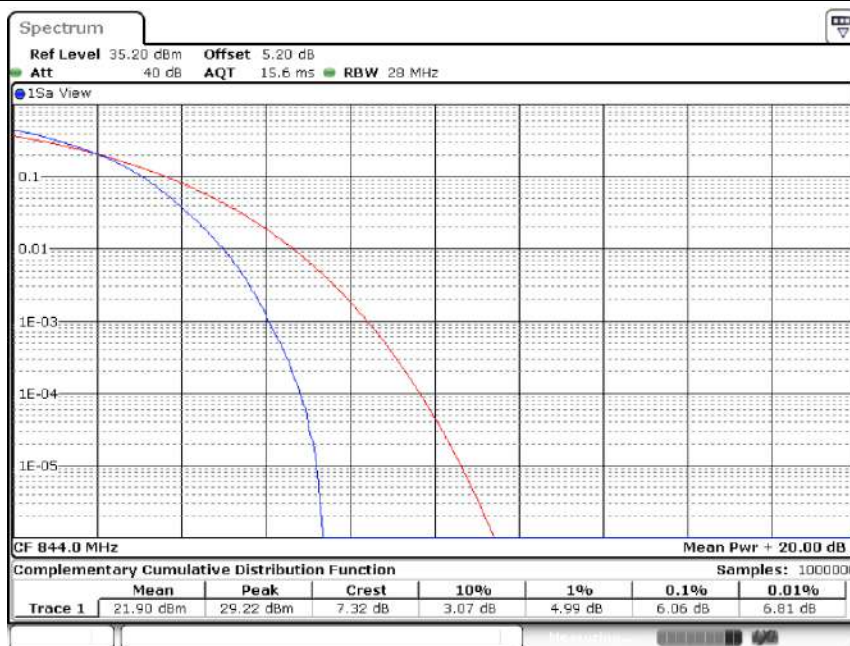
Band5-10MHz-16QAM-20525-50RB#0



Date: 29 JAN 2021 14:03:01



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



Date: 29 JAN 2021 14:03:24



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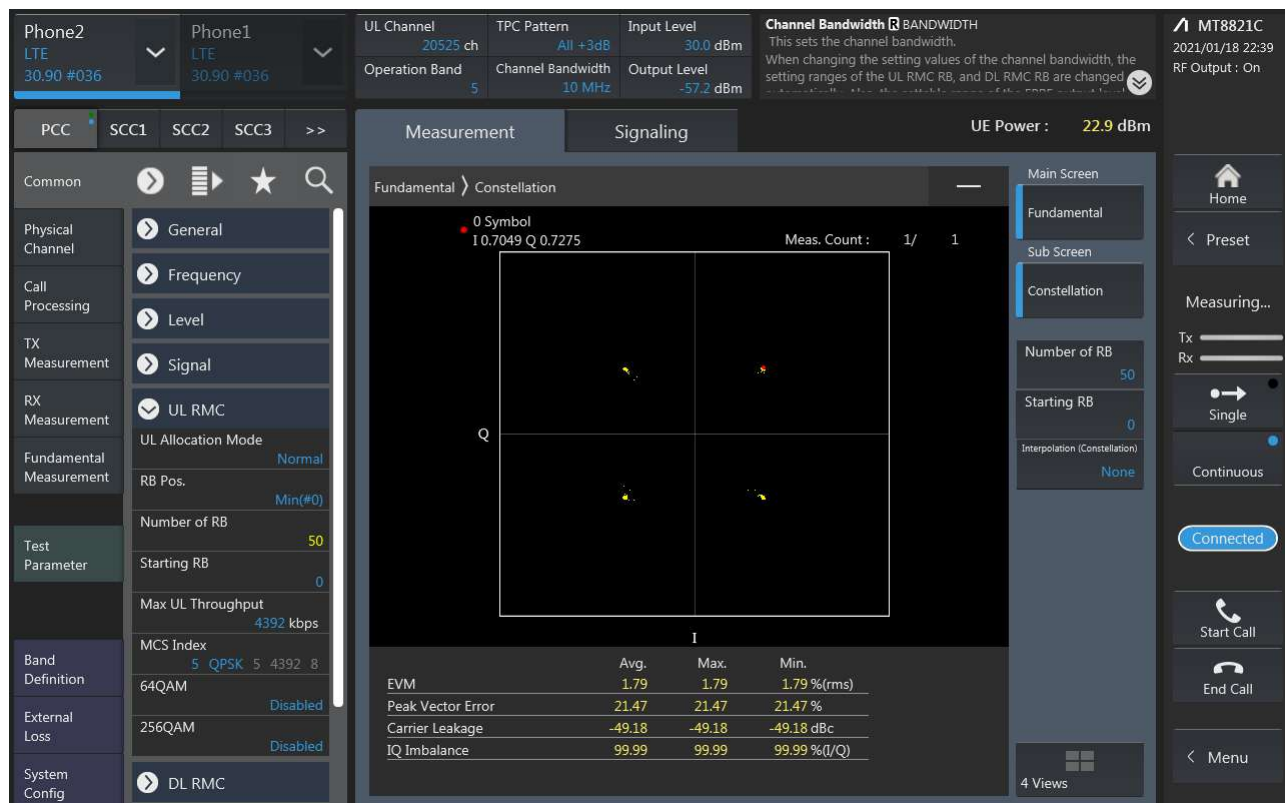
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3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 10MHz

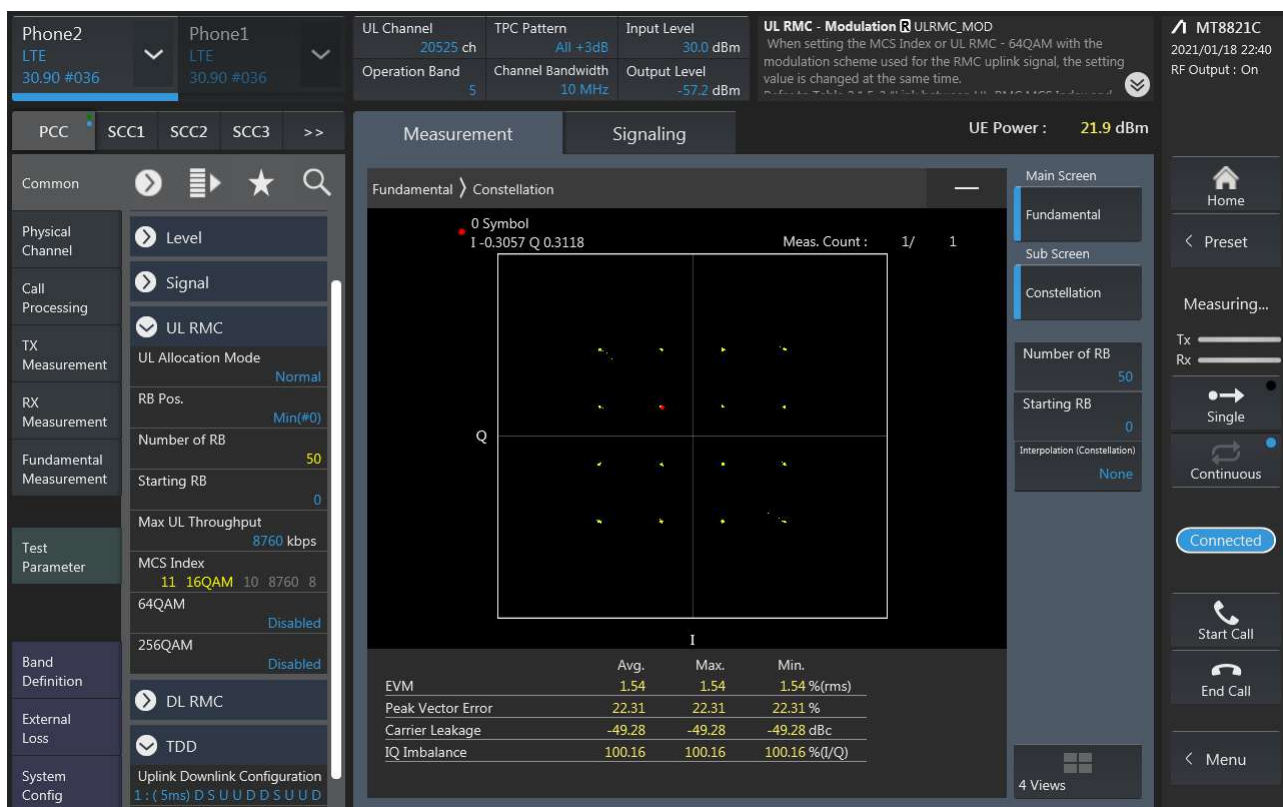
3.1.1. Test Channel = MCH





3.2. Test Mode = LTE /TM2 10MHz

3.2.1. Test Channel = MCH





4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

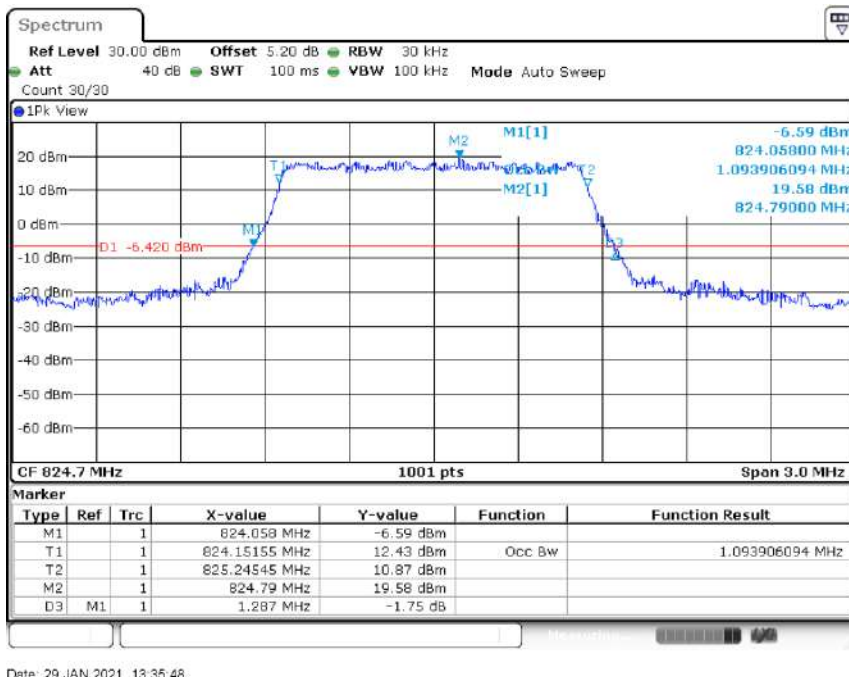
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.094	1.287	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.094	1.287	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.094	1.299	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.091	1.281	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.091	1.278	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.091	1.275	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.697	2.994	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.697	2.976	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.697	2.994	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.685	2.970	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.691	2.976	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.685	2.976	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.476	4.910	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.476	4.940	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.466	4.930	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.486	4.980	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.486	4.960	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.486	4.920	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.931	9.700	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.951	9.760	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.911	9.620	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.911	9.760	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.931	9.760	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.891	9.720	PASS



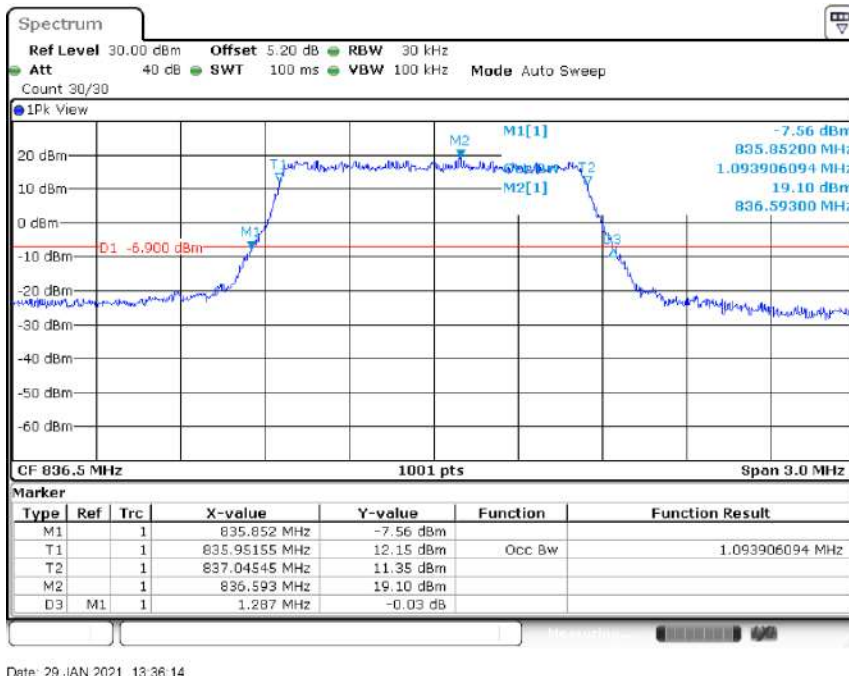
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4.2. Test Plots

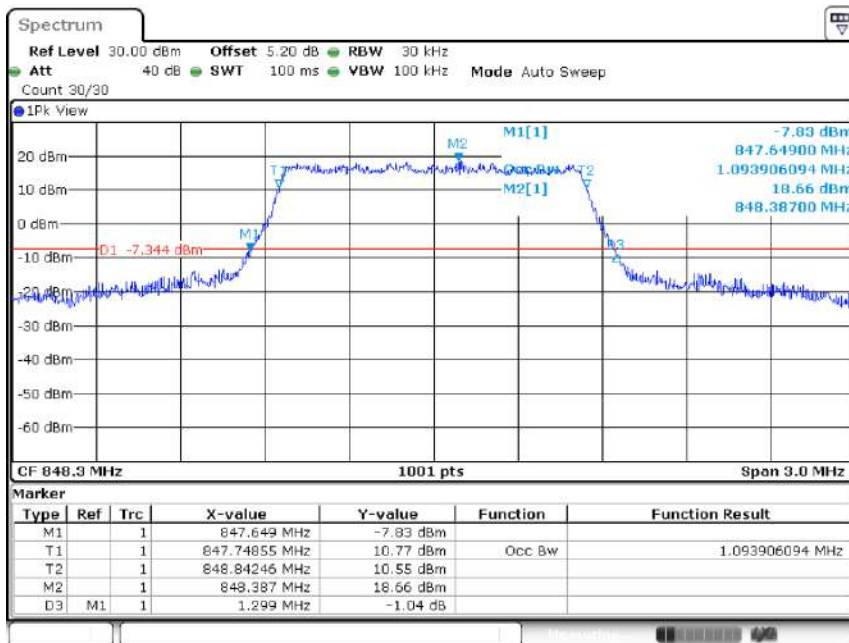
Band5-1.4MHz-QPSK-20407-6RB#0-1.094



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

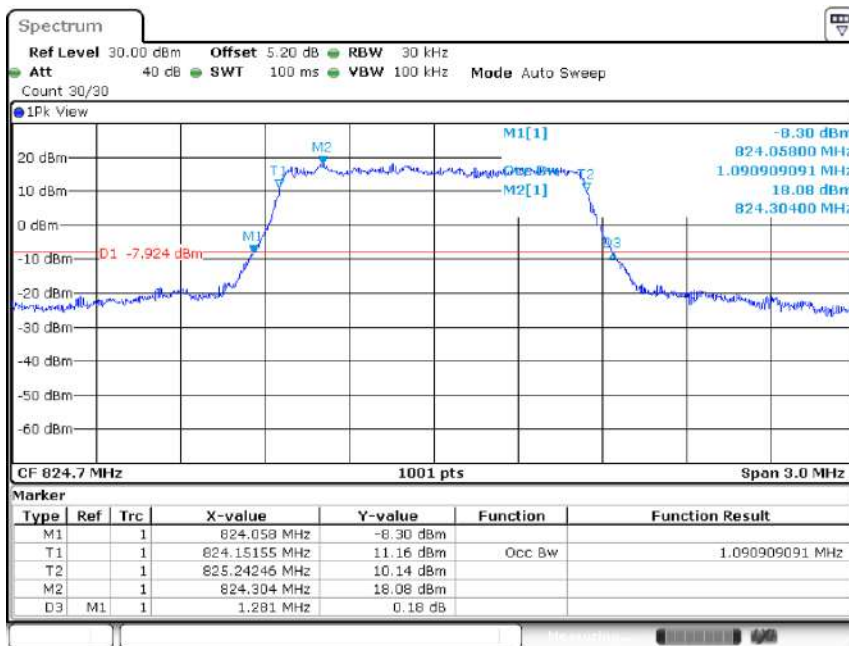


Band5-1.4MHz-QPSK-20643-6RB#0-1.094



Date: 29 JAN 2021 13:36:39

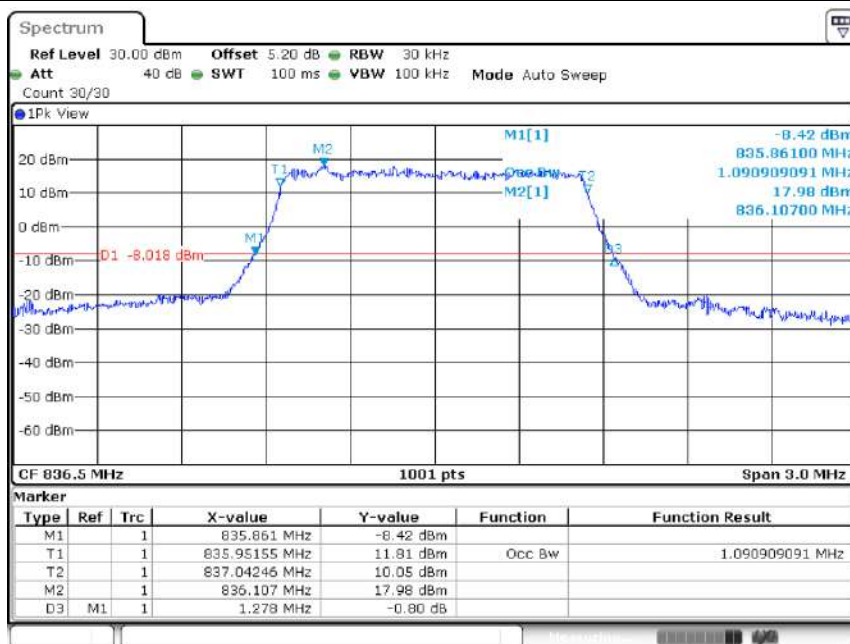
Band5-1.4MHz-16QAM-20407-6RB#0-1.091



Date: 29 JAN 2021 13:36:00

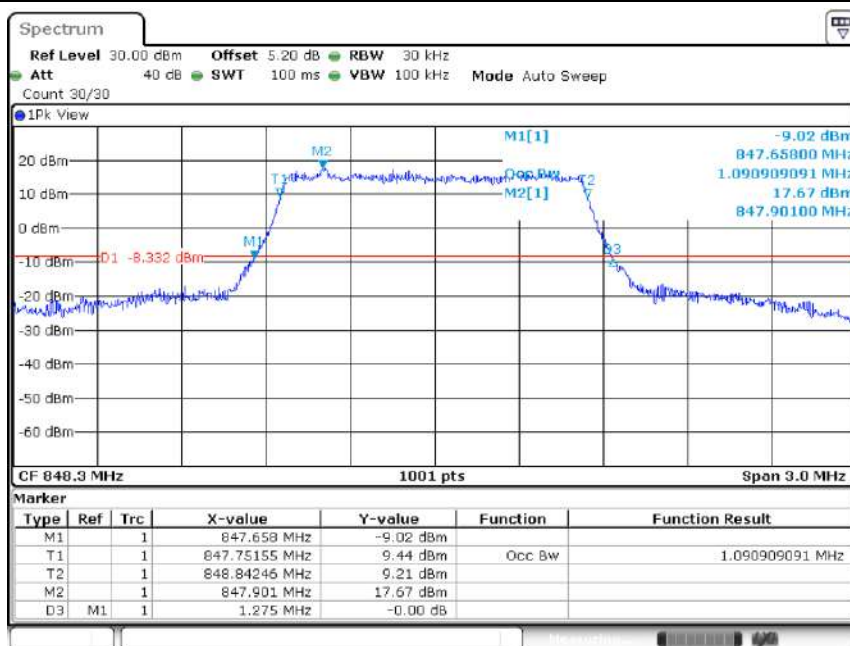


Band5-1.4MHz-16QAM-20525-6RB#0-1.091



Date: 29 JAN 2021 13:36:26

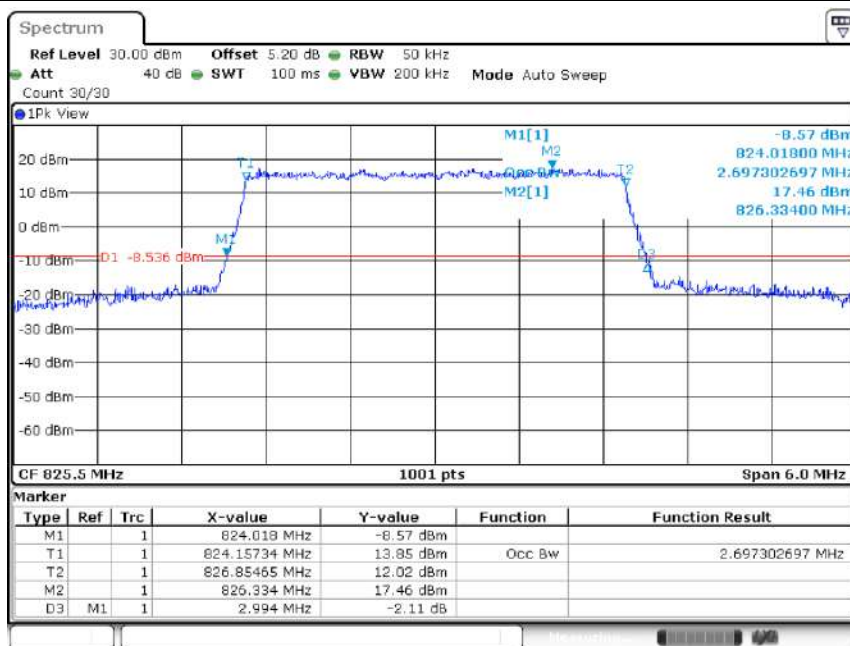
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Date: 29 JAN 2021 13:36:52

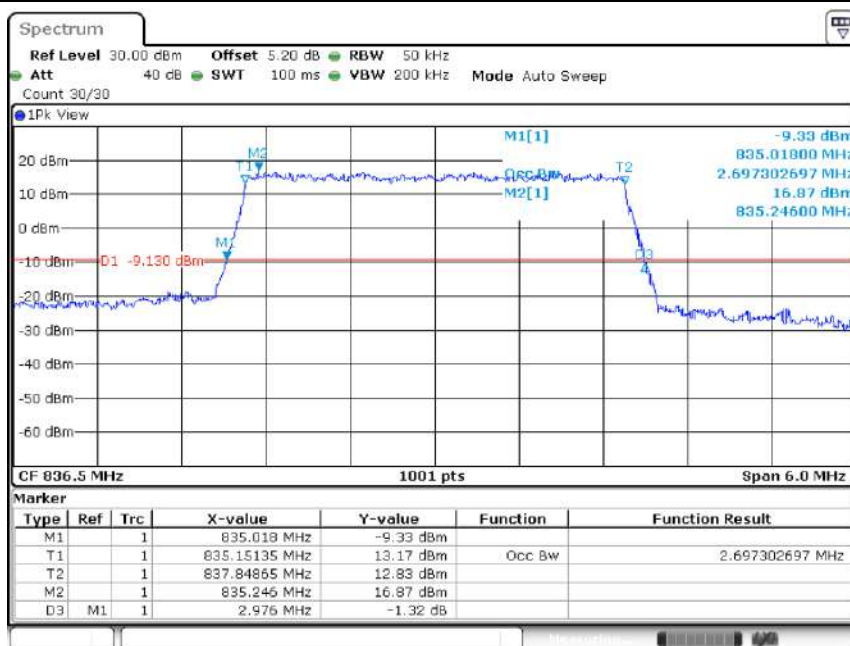


Band5-3MHz-QPSK-20415-15RB#0-2.697



Date: 29 JAN 2021 13:37:10

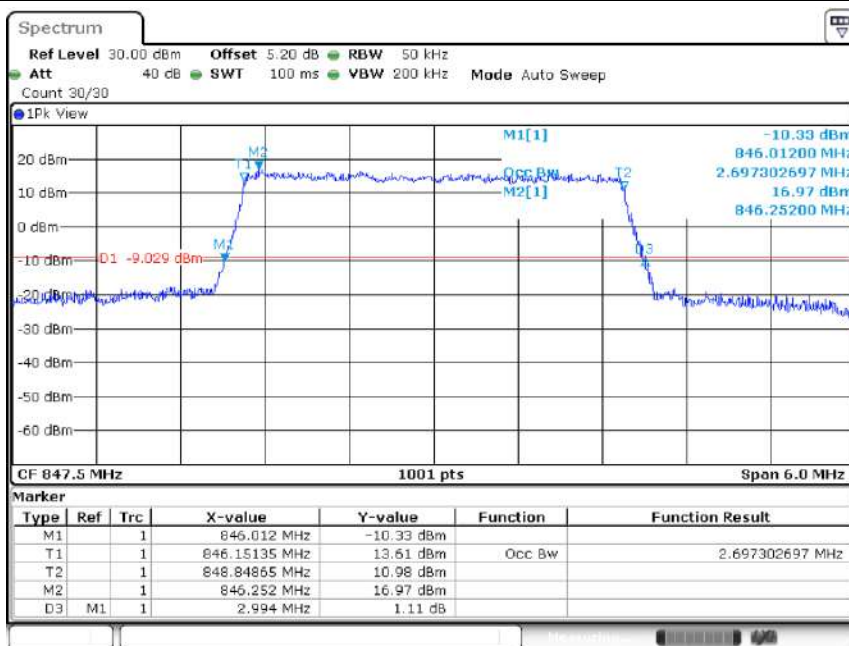
Band5-3MHz-QPSK-20525-15RB#0-2.697



Date: 29 JAN 2021 13:37:36

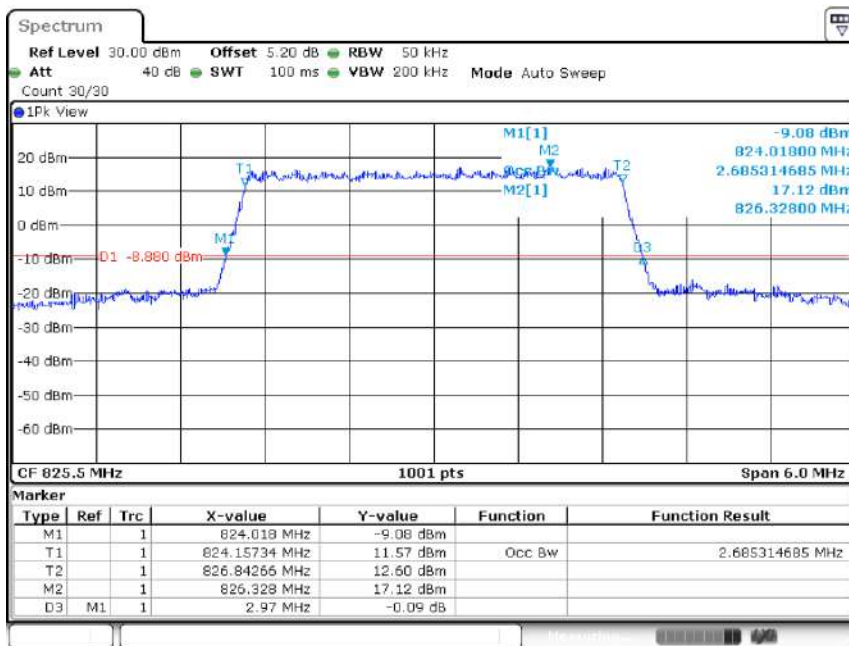


Band5-3MHz-QPSK-20635-15RB#0-2.697



Date: 29 JAN 2021 13:38:01

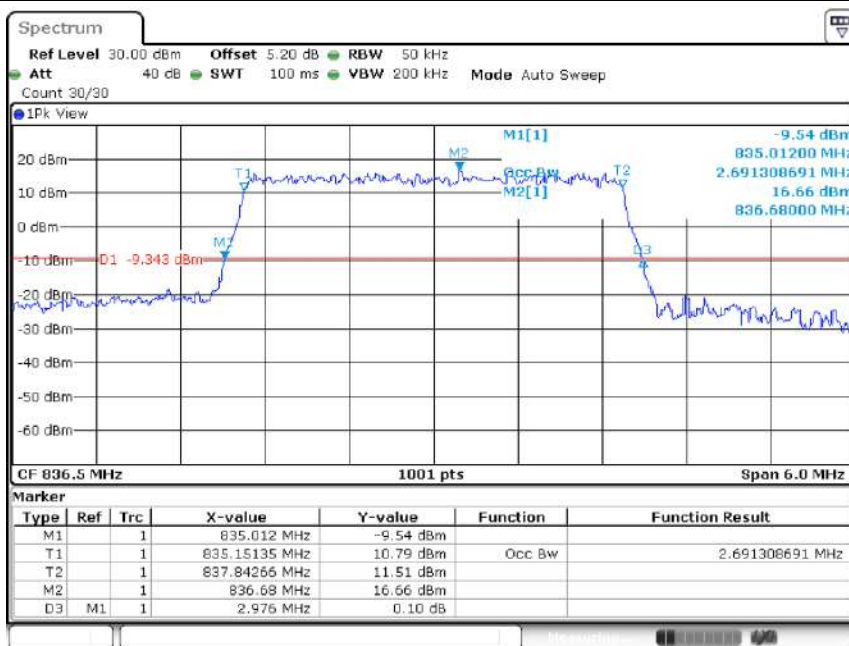
Band5-3MHz-16QAM-20415-15RB#0-2.685



Date: 29 JAN 2021 13:37:23

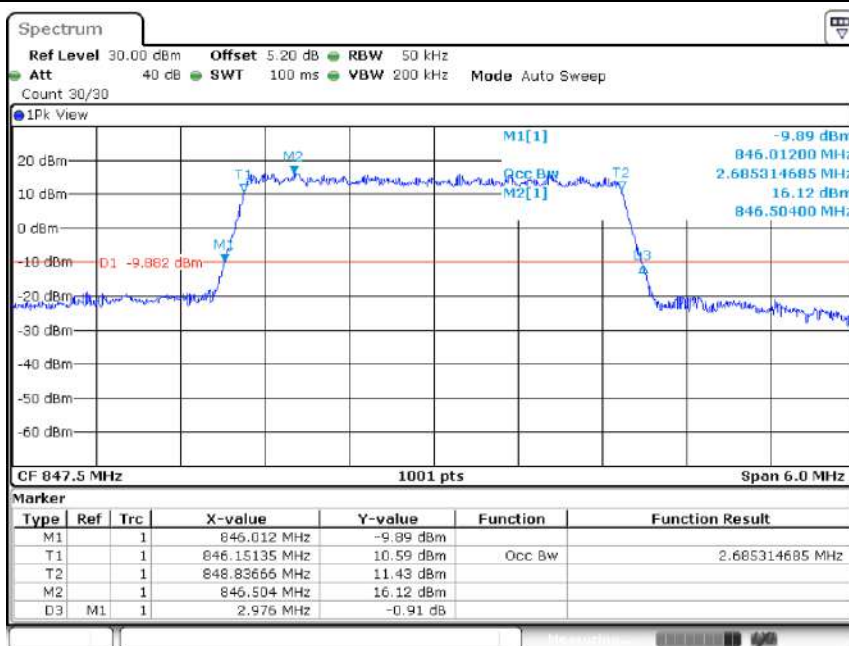


Band5-3MHz-16QAM-20525-15RB#0-2.691



Date: 29 JAN 2021 13:37:48

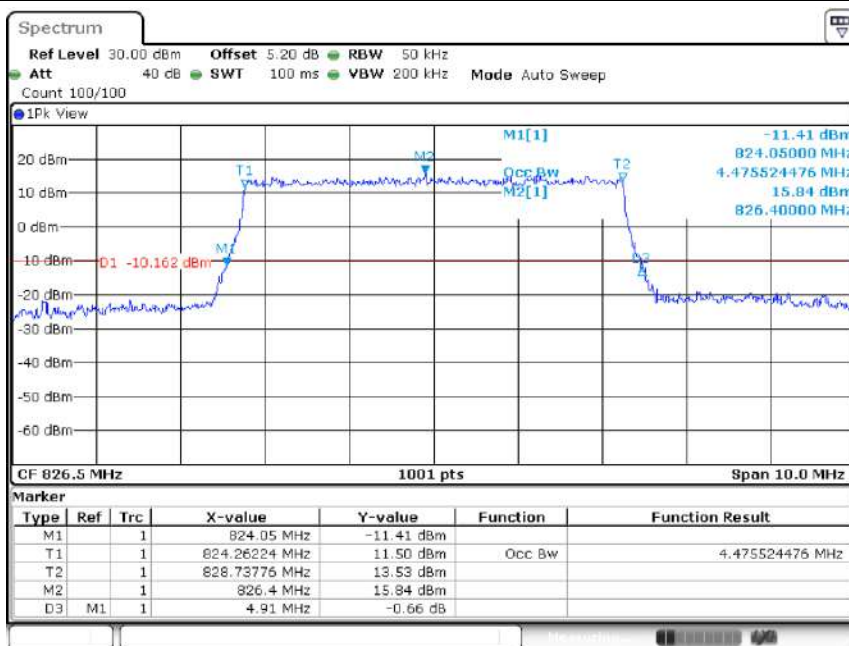
Band5-3MHz-16QAM-20635-15RB#0-2.685



Date: 29 JAN 2021 13:38:14

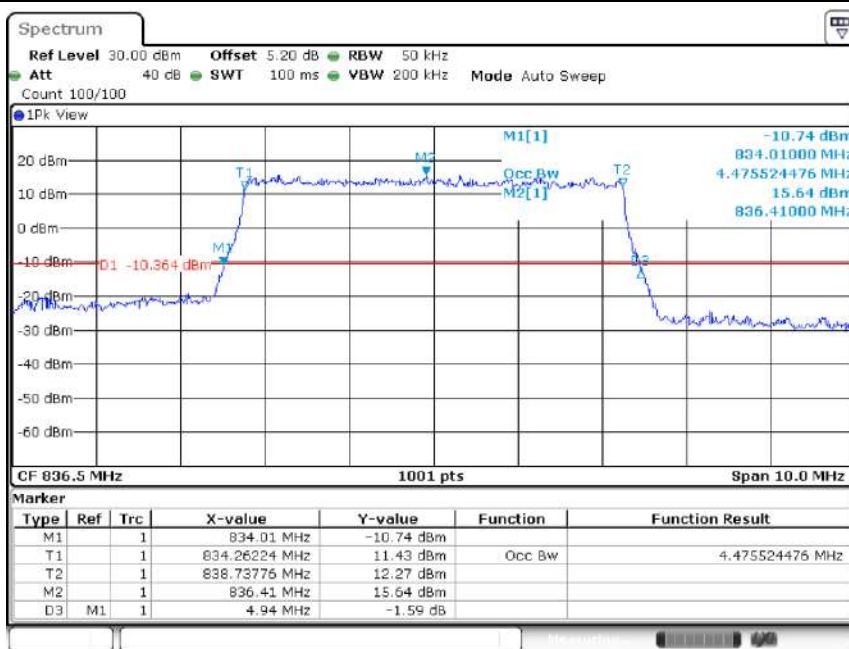


Band5-5MHz-QPSK-20425-25RB#0-4.476



Date: 29 JAN 2021 13:38:39

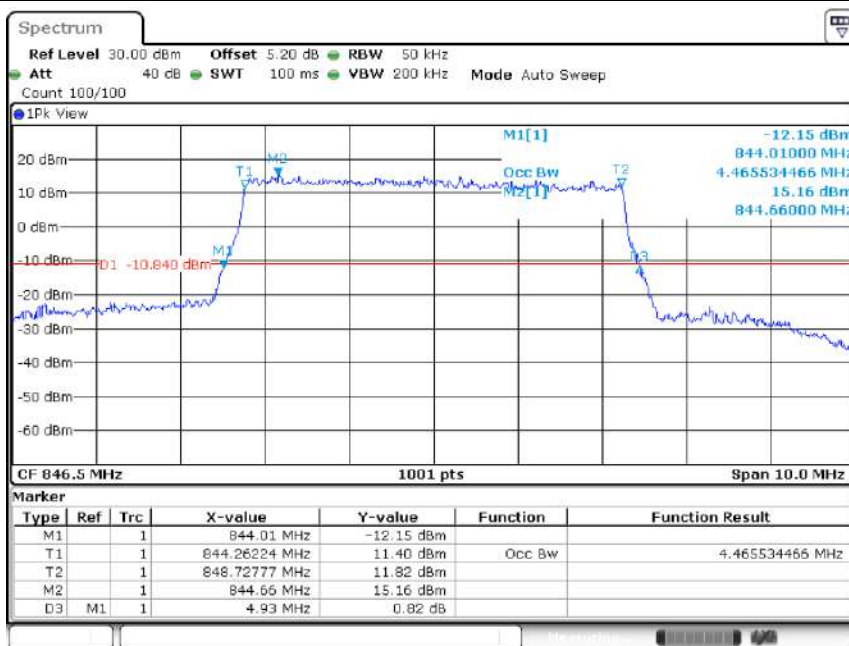
Band5-5MHz-QPSK-20525-25RB#0-4.476



Date: 29 JAN 2021 13:39:18

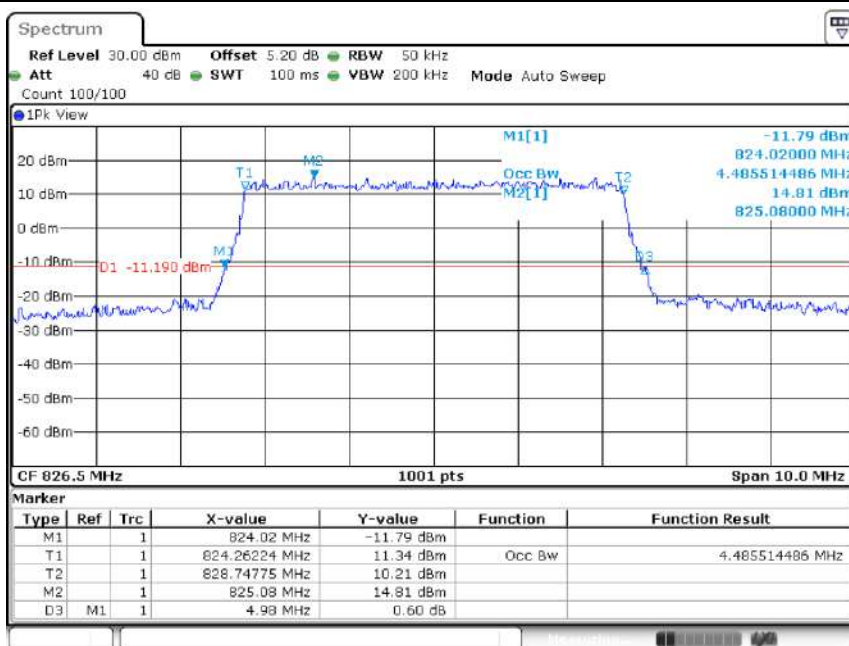


Band5-5MHz-QPSK-20625-25RB#0-4.466



Date: 29 JAN 2021 13:40:00

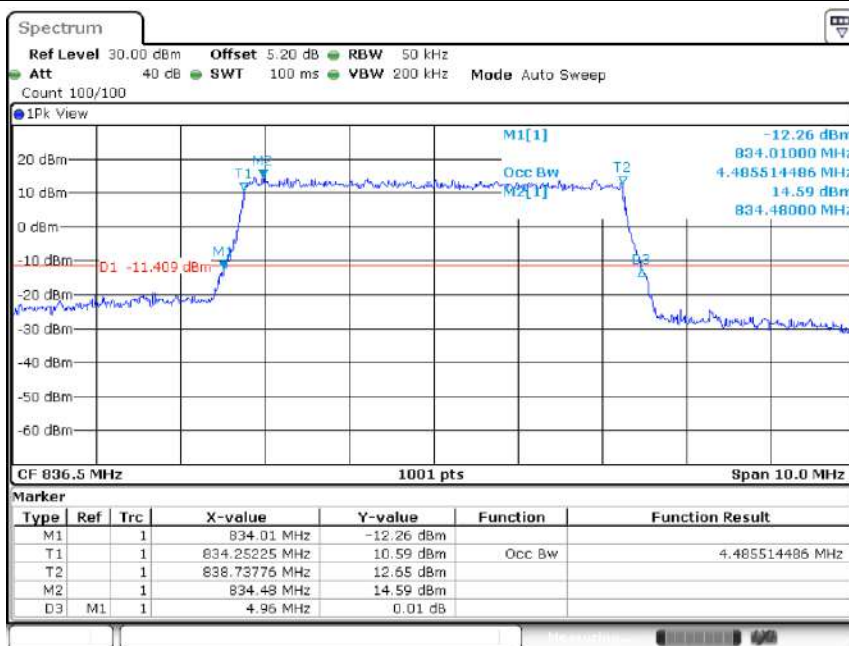
Band5-5MHz-16QAM-20425-25RB#0-4.486



Date: 29 JAN 2021 13:38:58

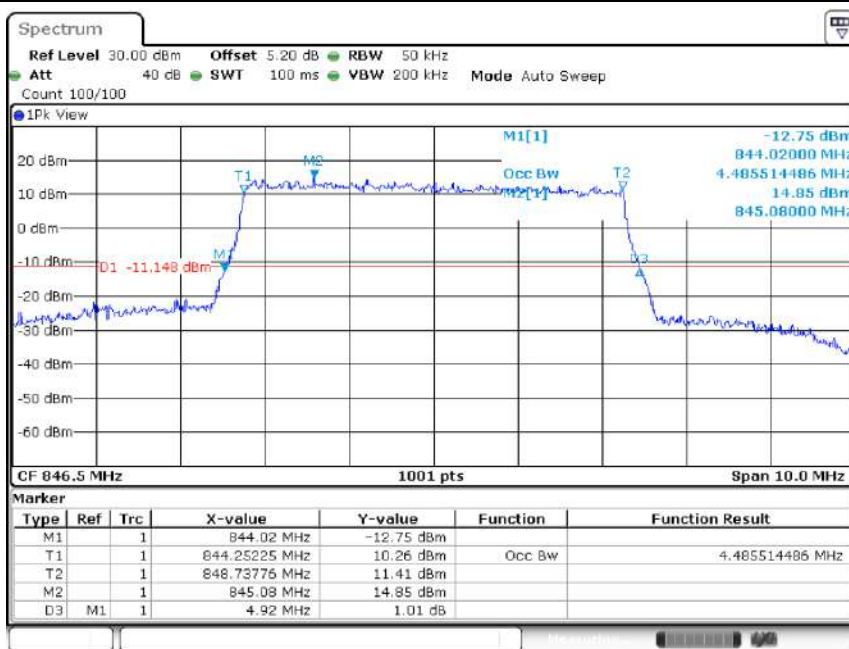


Band5-5MHz-16QAM-20525-25RB#0-4.486



Date: 29 JAN 2021 13:39:38

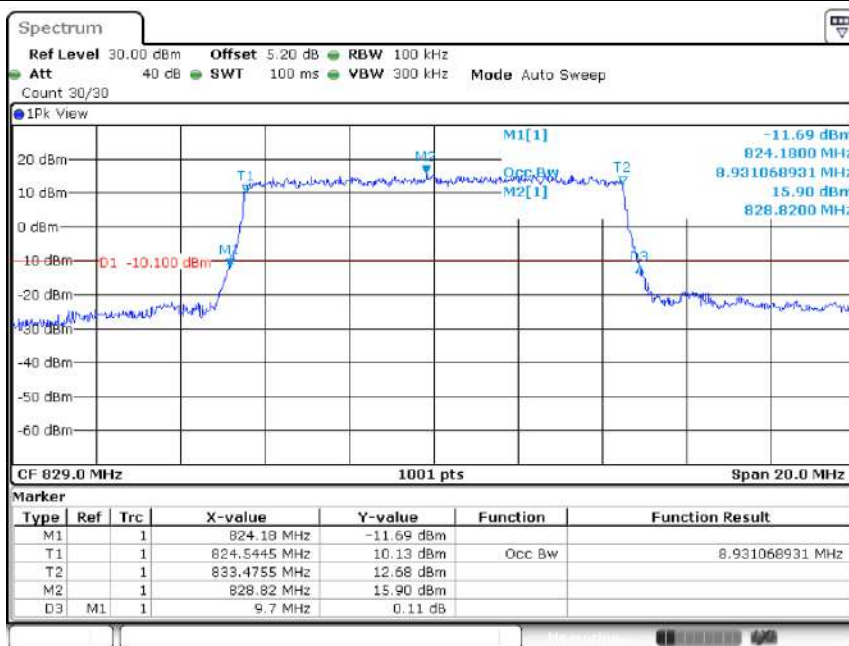
Band5-5MHz-16QAM-20625-25RB#0-4.486



Date: 29 JAN 2021 13:40:19

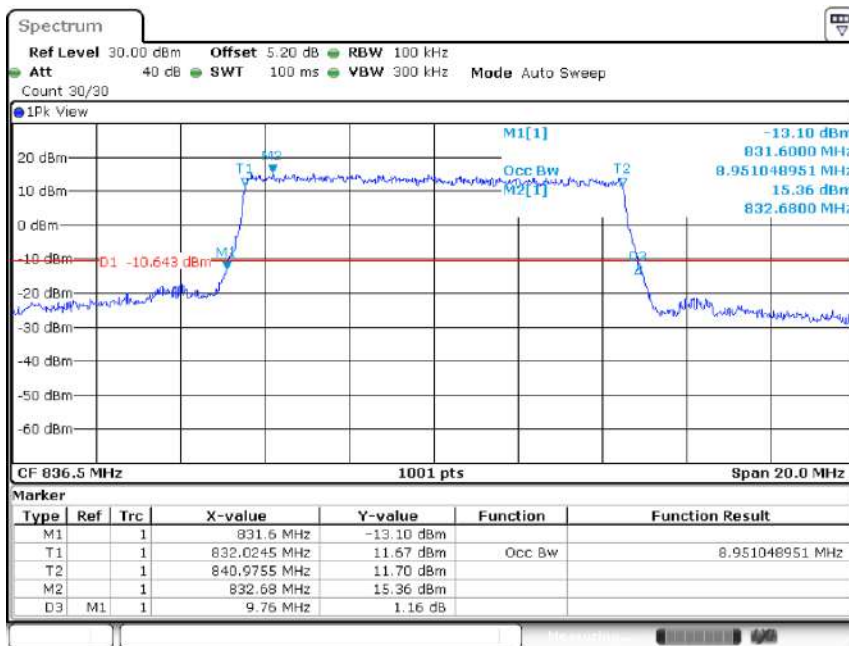


Band5-10MHz-QPSK-20450-50RB#0-8.931



Date: 29 JAN 2021 13:40:38

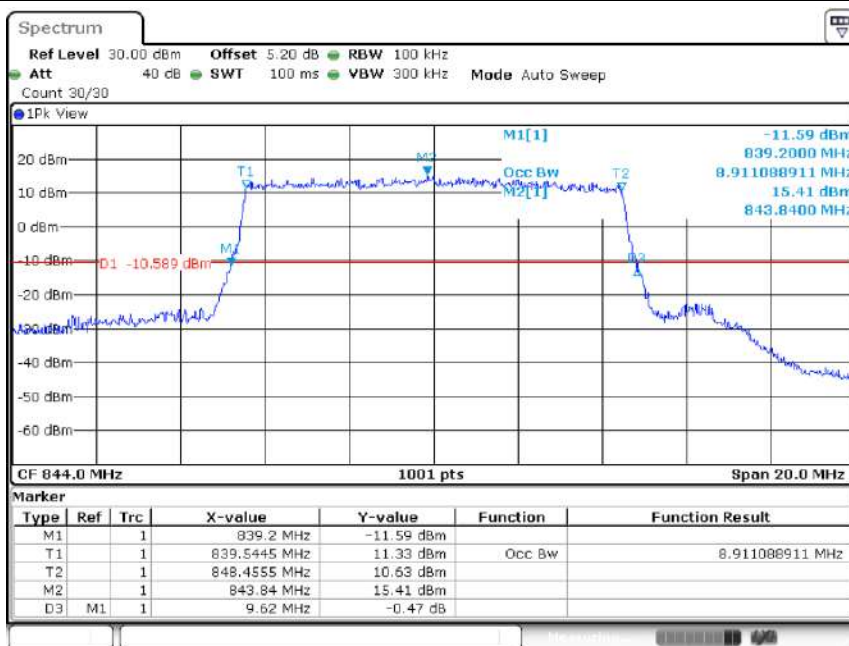
Band5-10MHz-QPSK-20525-50RB#0-8.951



Date: 29 JAN 2021 13:41:04

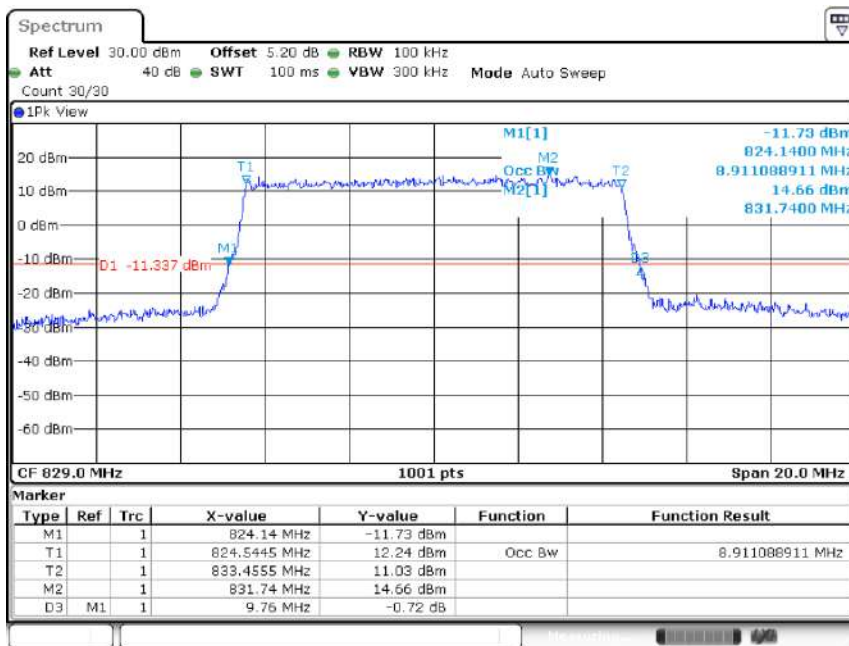


Band5-10MHz-QPSK-20600-50RB#0-8.911



Date: 29 JAN 2021 13:41:30

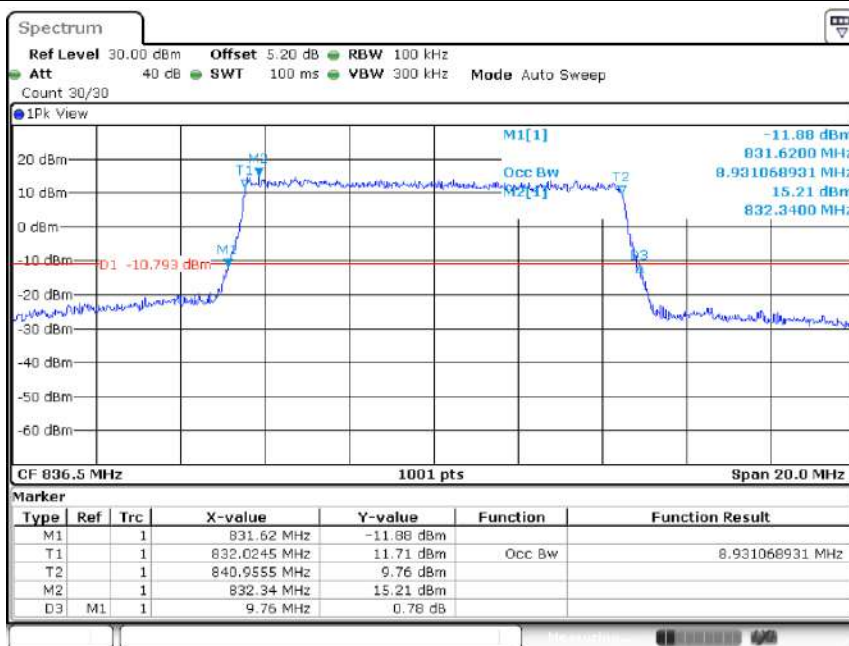
Band5-10MHz-16QAM-20450-50RB#0-8.911



Date: 29 JAN 2021 13:40:51

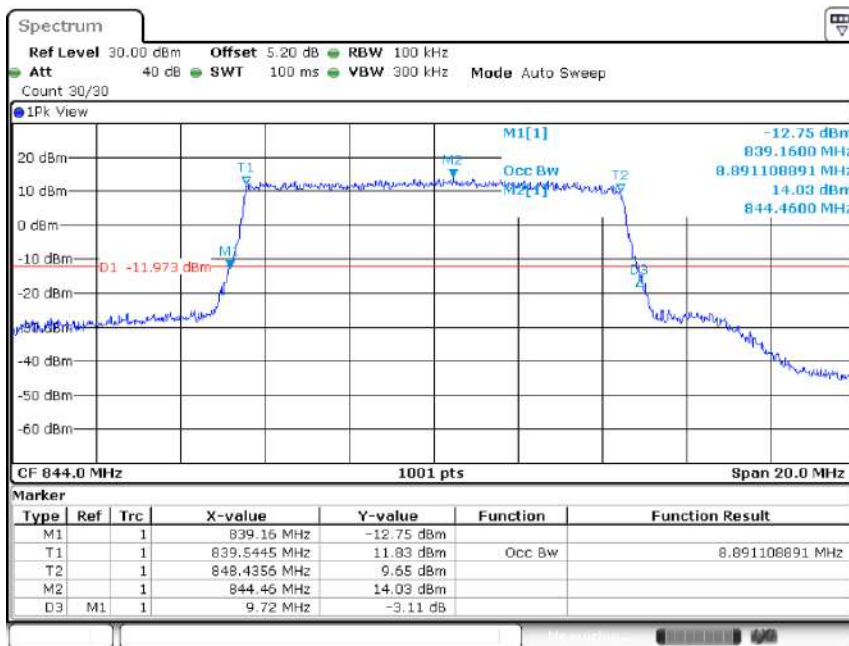


Band5-10MHz-16QAM-20525-50RB#0-8.931



Date: 29 JAN 2021 13:41:17

Band5-10MHz-16QAM-20600-50RB#0-8.891

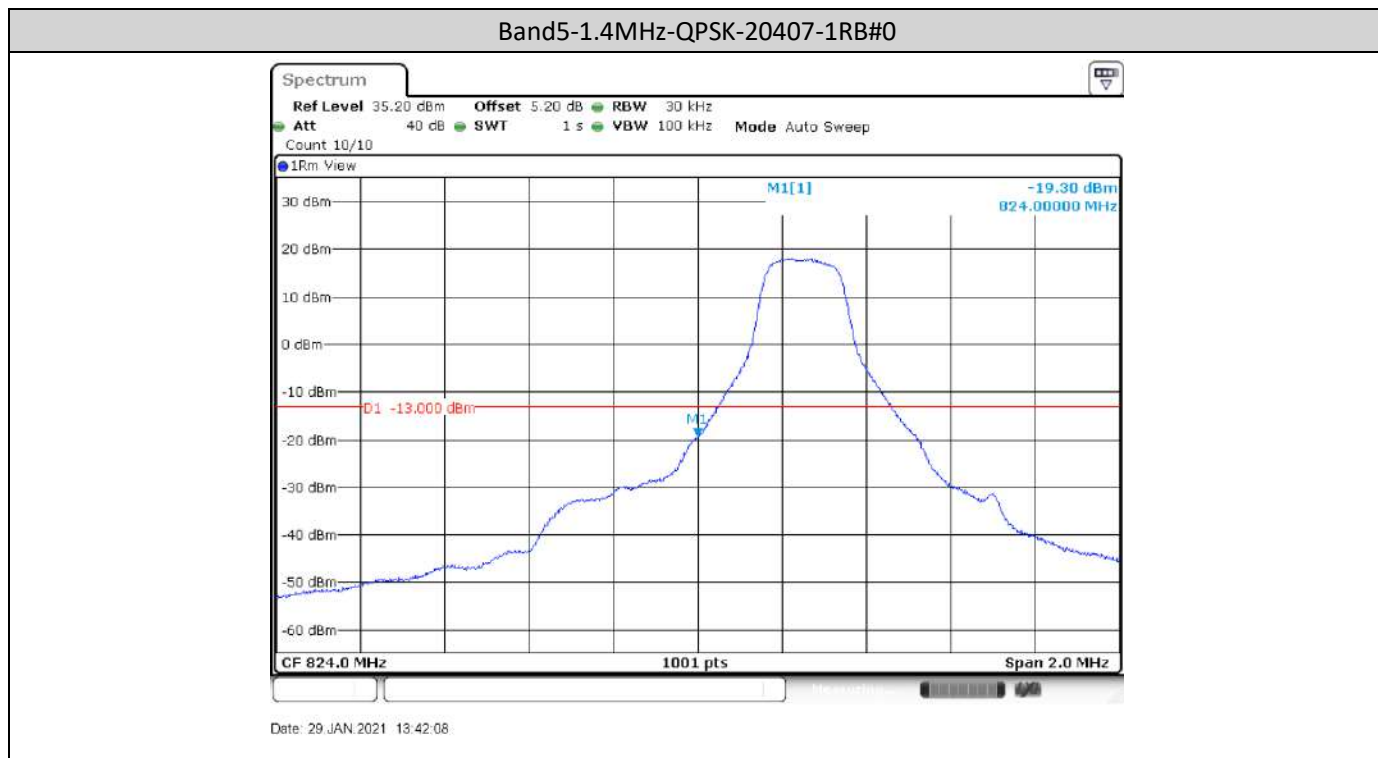


Date: 29 JAN 2021 13:41:43



5. Band Edge Compliance

5.1. Test Plots



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



Date: 29 JAN 2021 13:42:50

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



Date: 29 JAN 2021 13:43:35



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



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



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



Date: 29 JAN 2021 13:43:10

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



Date: 29 JAN 2021 13:43:55



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



Date: 29 JAN 2021 13:44:36

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



Date: 29 JAN 2021 13:45:02

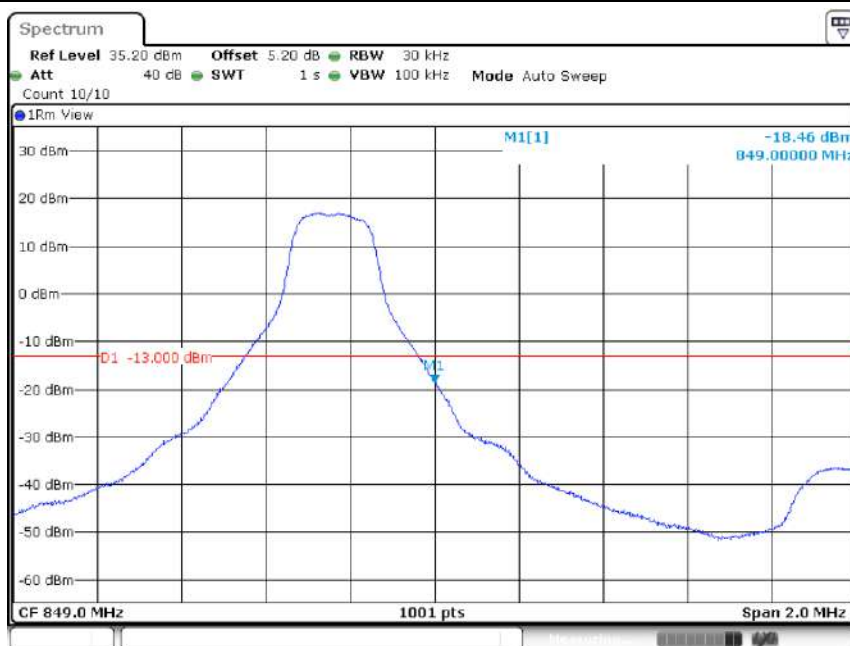


Band5-3MHz-QPSK-20415-15RB#0



Date: 29 JAN 2021 13:45:43

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



Date: 29 JAN 2021 13:46:30



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



Date: 29 JAN 2021 13:47:11

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



Date: 29 JAN 2021 13:45:23



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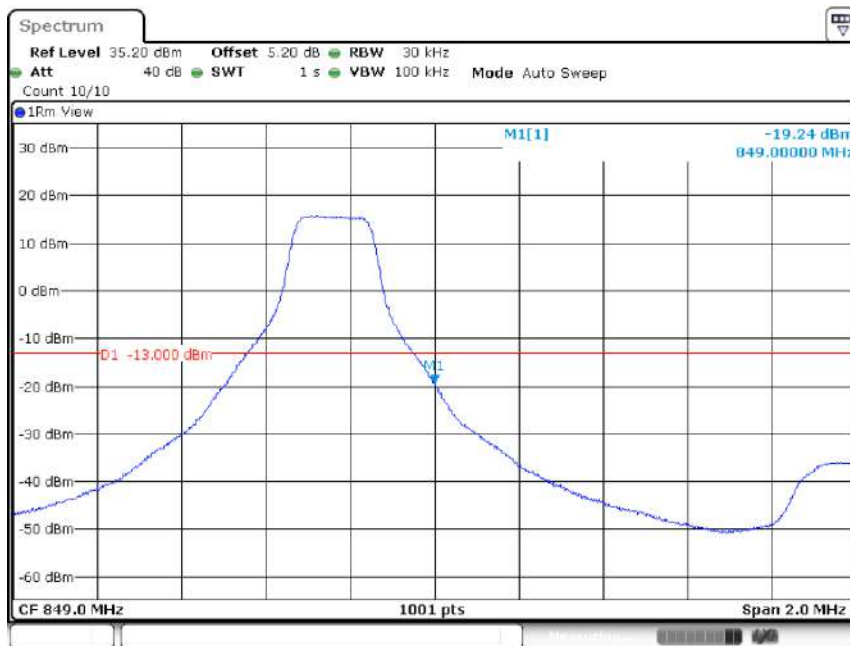
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Band5-3MHz-16QAM-20415-15RB#0



Date: 29 JAN 2021 13:46:04

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



Date: 29 JAN 2021 13:46:51

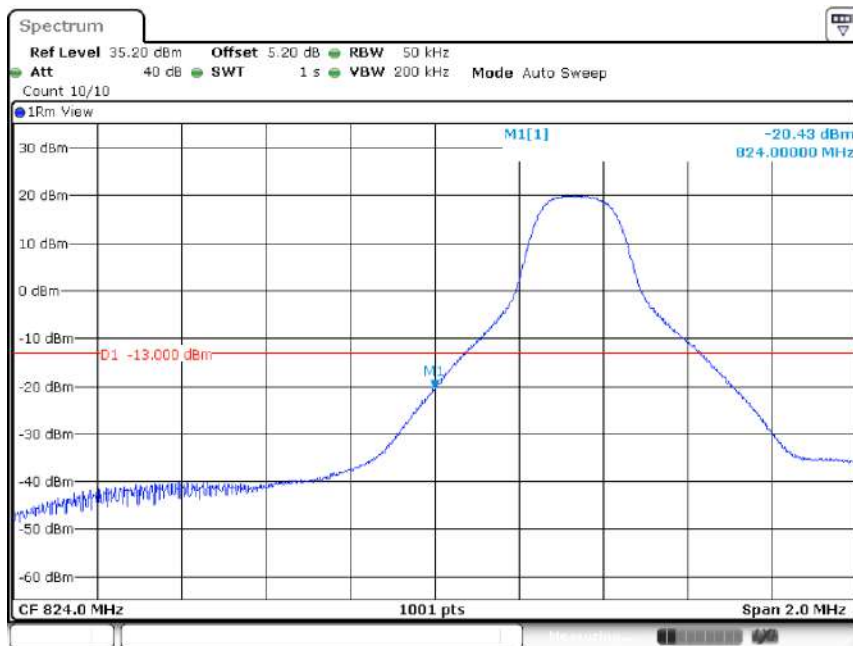


Band5-3MHz-16QAM-20635-15RB#0



Date: 29 JAN 2021 13:47:32

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



Date: 29 JAN 2021 13:47:57



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



Date: 29 JAN 2021 13:48:38

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



Date: 29 JAN 2021 13:48:26



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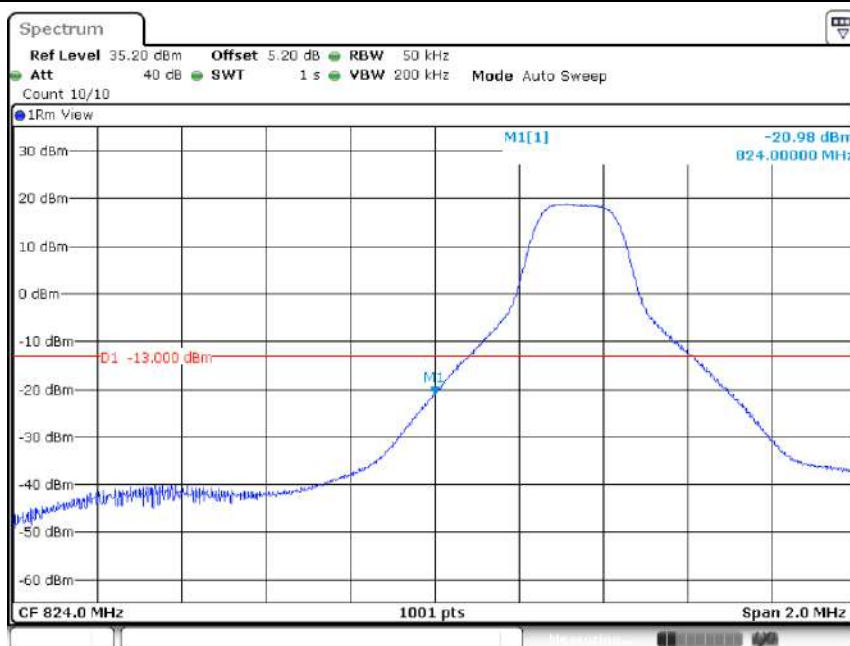
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Band5-5MHz-QPSK-20625-25RB#0



Date: 29 JAN 2021 13:50:07

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



Date: 29 JAN 2021 13:48:18



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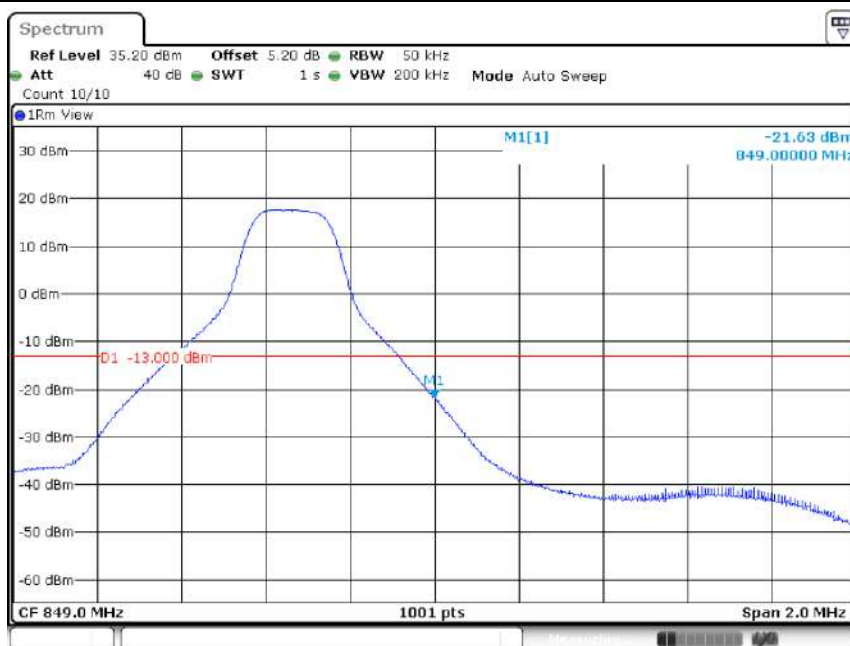
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Band5-5MHz-16QAM-20425-25RB#0



Date: 29 JAN 2021 13:48:59

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



Date: 29 JAN 2021 13:48:46



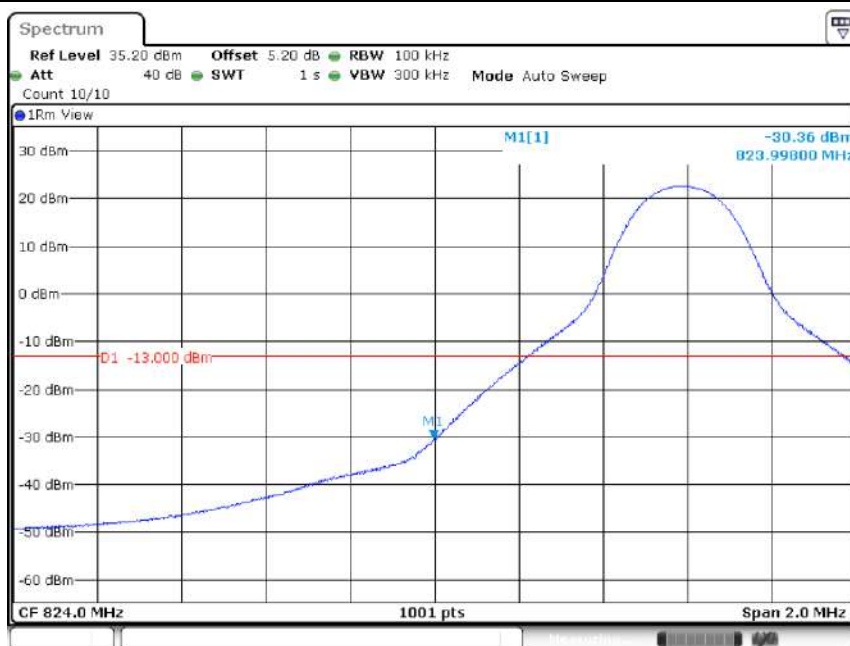
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Band5-5MHz-16QAM-20625-25RB#0



Date: 29 JAN 2021 13:50:27

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



Date: 29 JAN 2021 13:50:54



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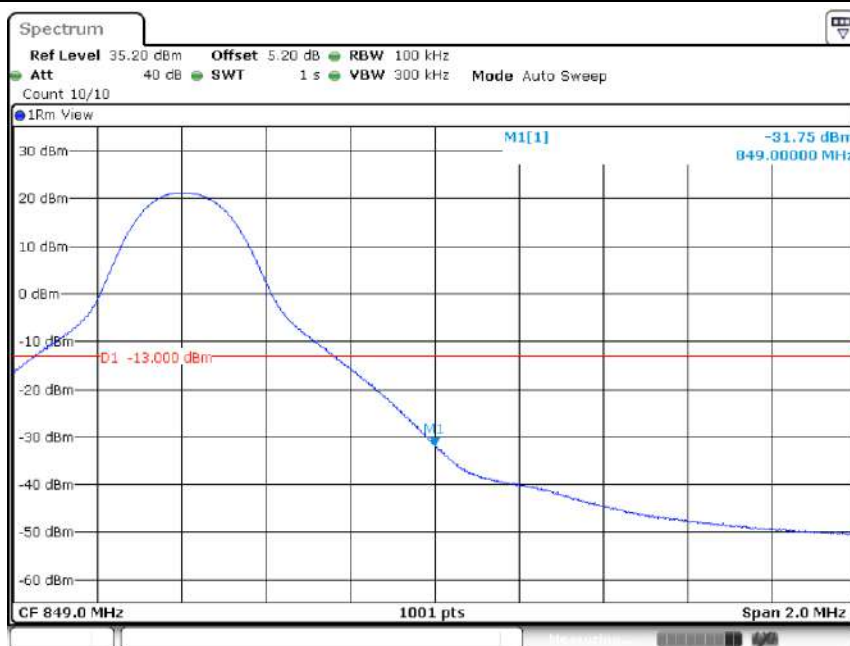
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Band5-10MHz-QPSK-20450-50RB#0



Date: 29 JAN 2021 13:51:36

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



Date: 29 JAN 2021 13:52:23



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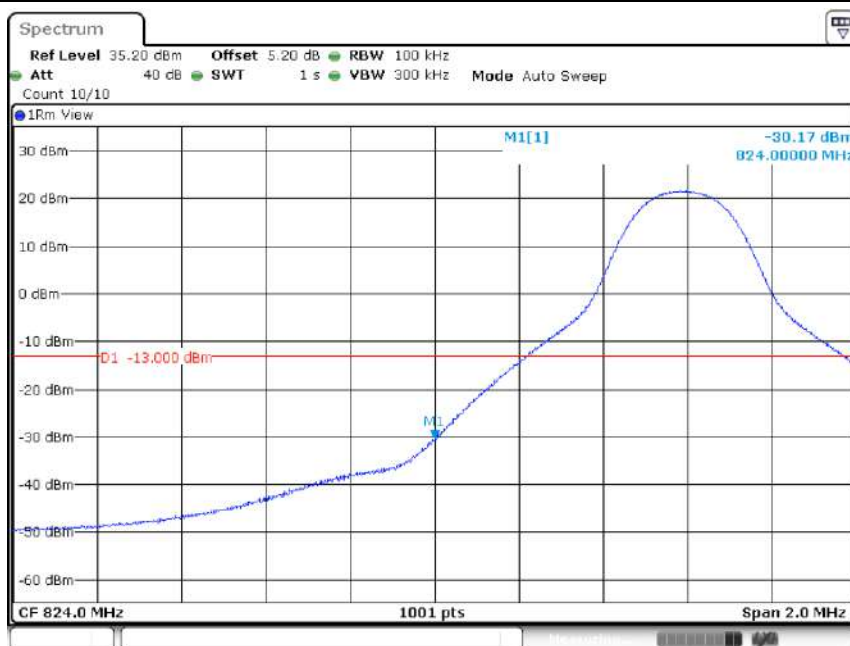


Band5-10MHz-QPSK-20600-50RB#0



Date: 29 JAN 2021 13:53:04

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



Date: 29 JAN 2021 13:51:15



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



Date: 29 JAN 2021 13:51:56

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



Date: 29 JAN 2021 13:52:43



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



Date: 29 JAN 2021 13:53:24



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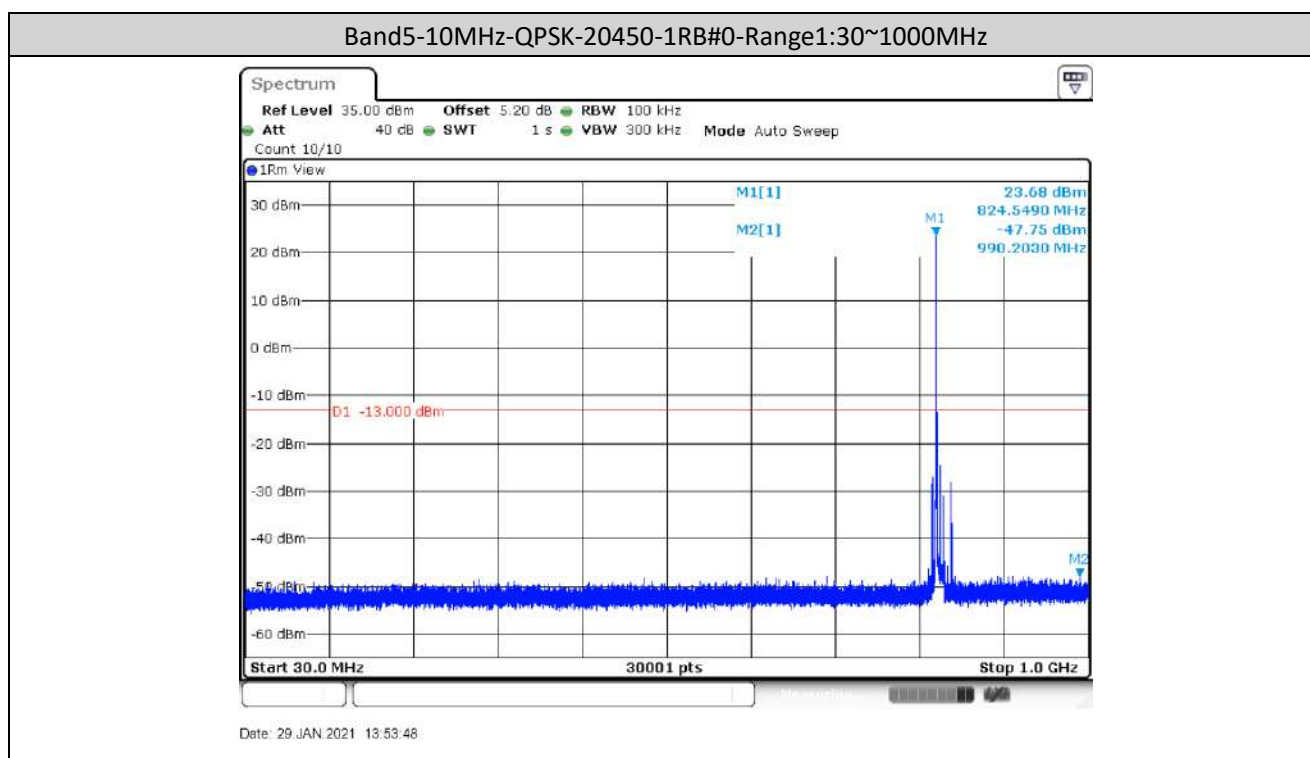
6. Spurious Emission at Antenna Terminal

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.

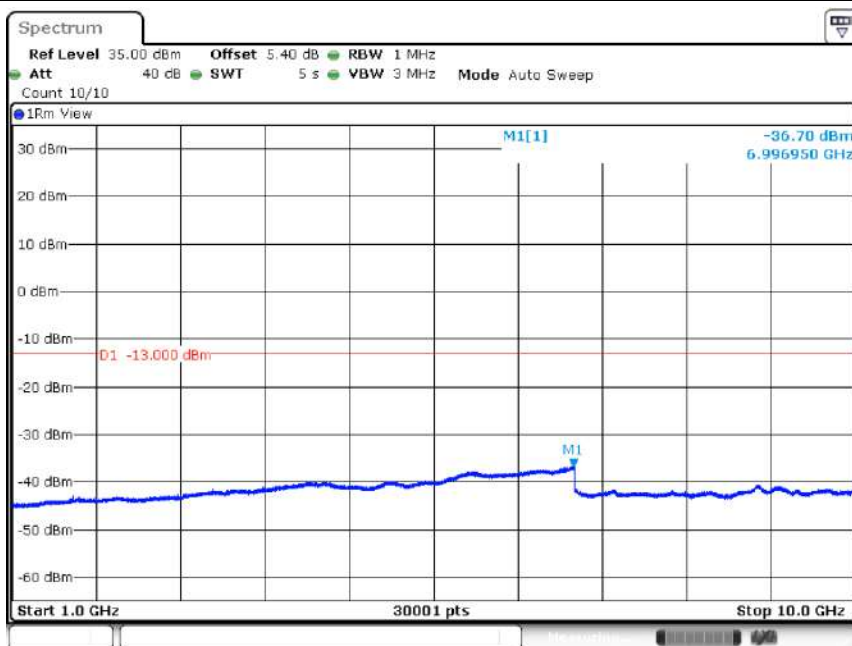
Remark2: According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.

Remark3: 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 had been displayed.

6.1. Test Plots

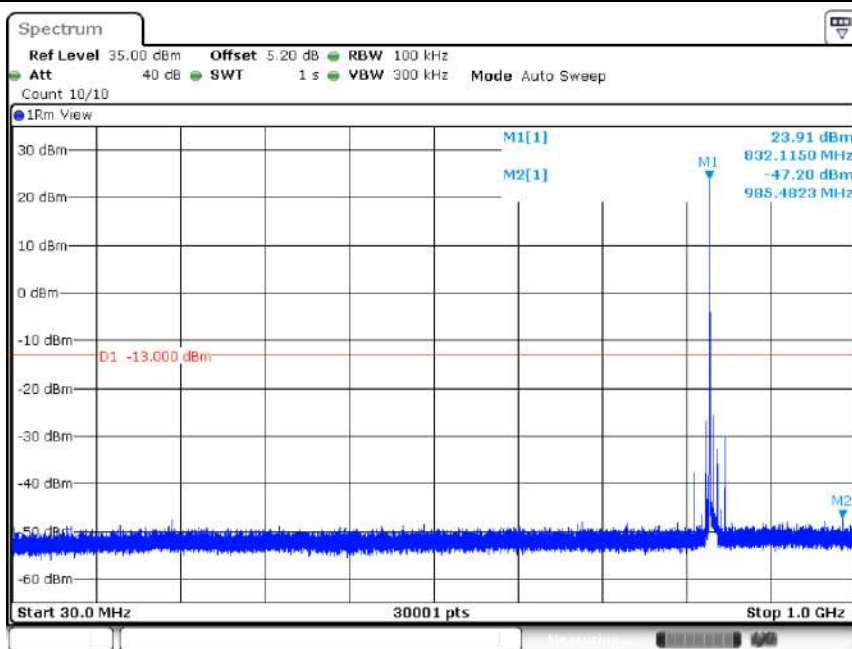


Band5-10MHz-QPSK-20450-1RB#0-Range2:1000~10000MHz



Date: 29 JAN 2021 13:54:55

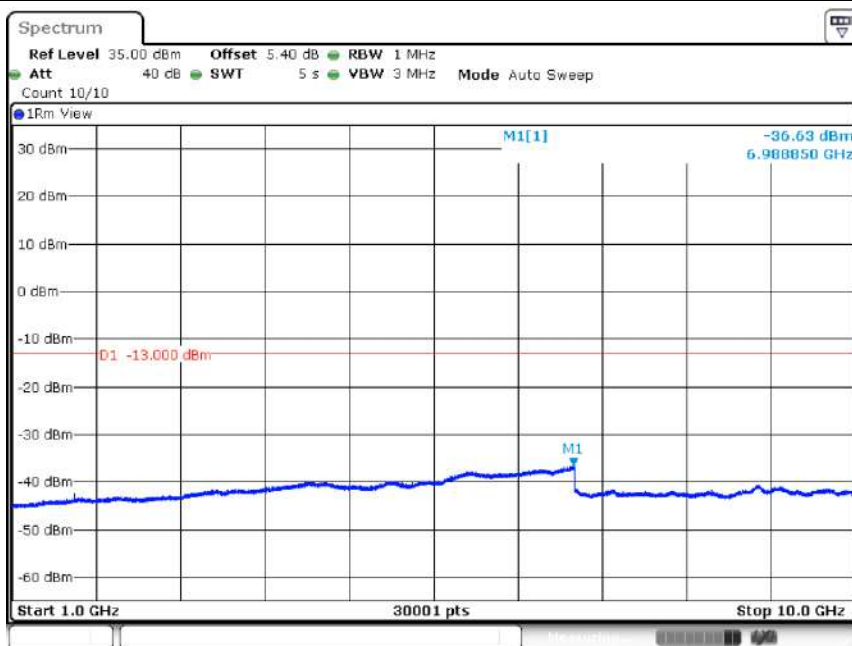
Band5-10MHz-QPSK-20525-1RB#0-Range1:30~1000MHz



Date: 29 JAN 2021 13:56:43

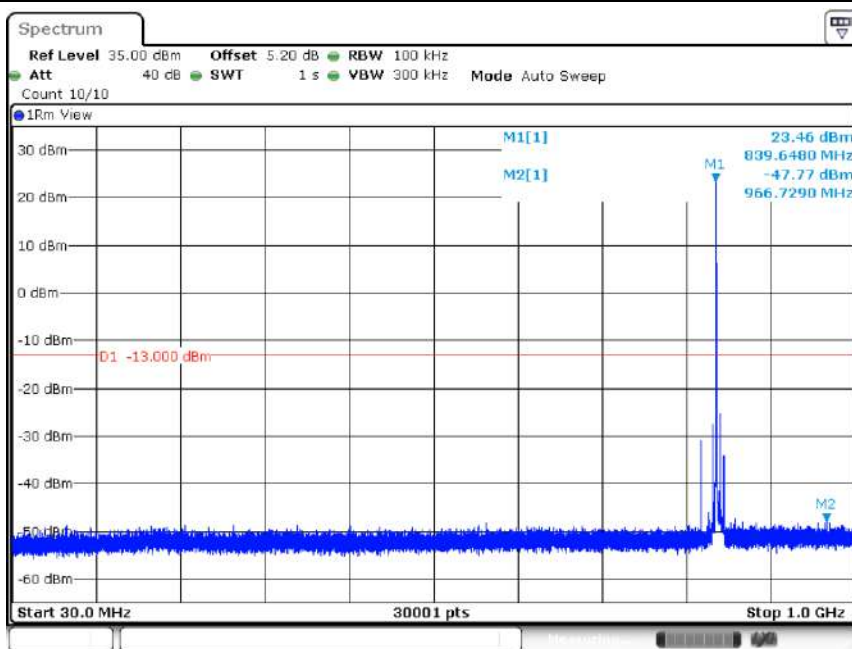


Band5-10MHz-QPSK-20525-1RB#0-Range2:1000~10000MHz



Date: 29 JAN 2021 13:57:50

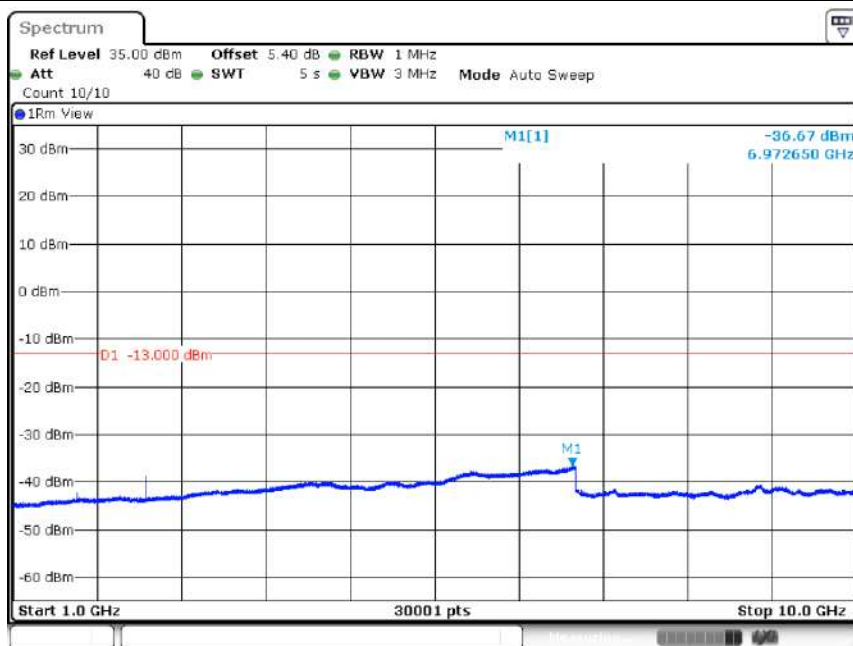
Band5-10MHz-QPSK-20600-1RB#0-Range1:30~1000MHz



Date: 29 JAN 2021 13:58:37

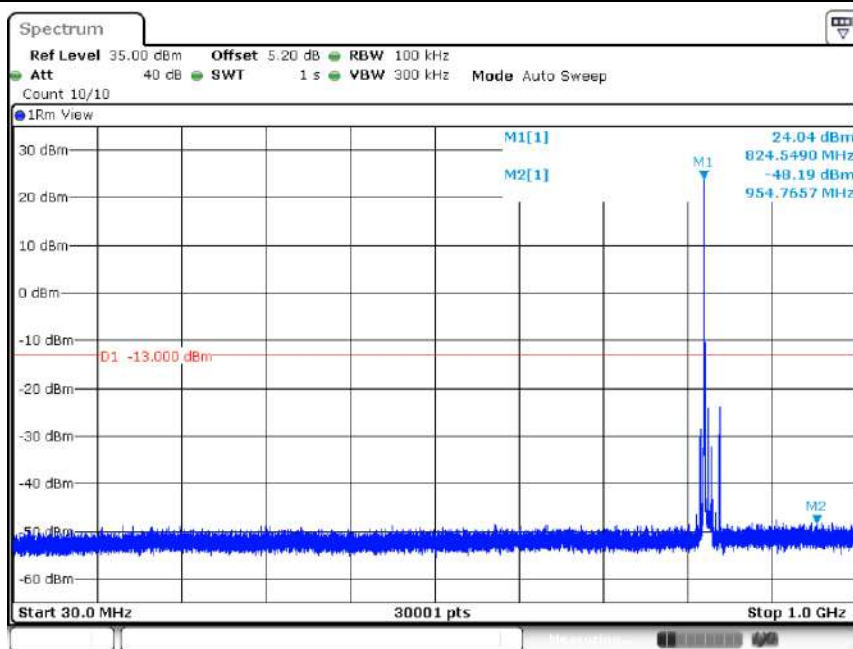


Band5-10MHz-QPSK-20600-1RB#0-Range2:1000~10000MHz



Date: 29 JAN 2021 14:00:44

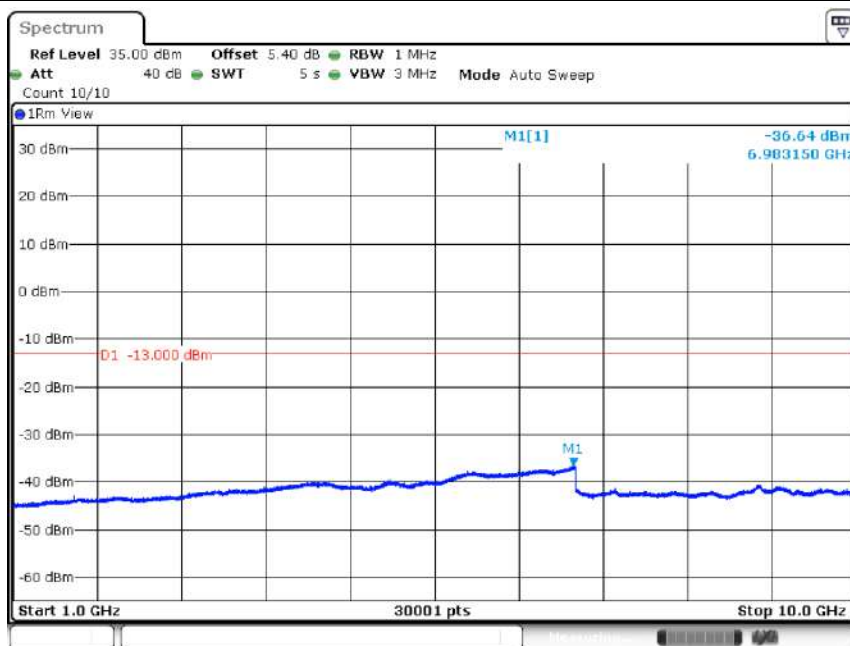
Band5-10MHz-16QAM-20450-1RB#0-Range1:30~1000MHz



Date: 29 JAN 2021 13:55:15

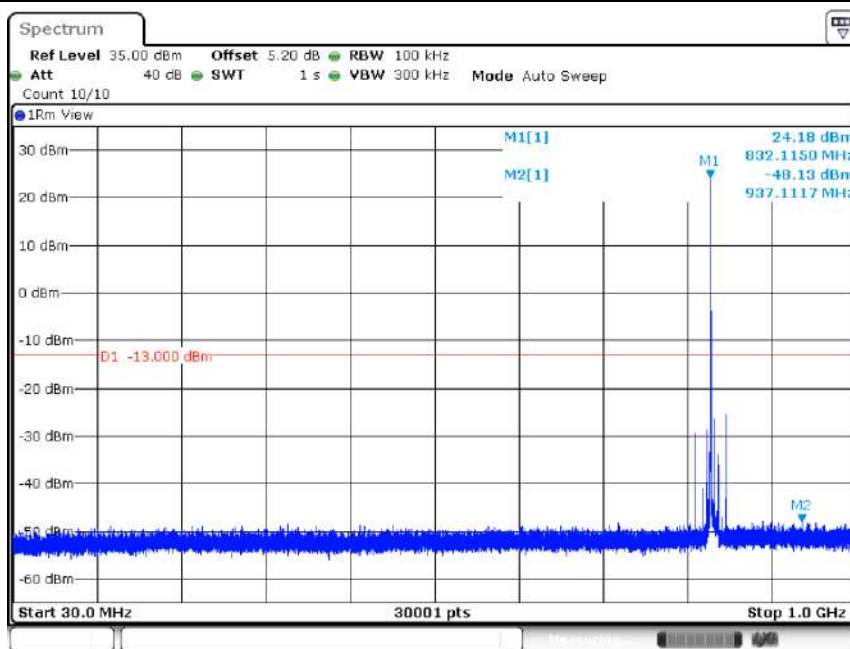


Band5-10MHz-16QAM-20450-1RB#0-Range2:1000~10000MHz



Date: 29 JAN 2021 13:56:23

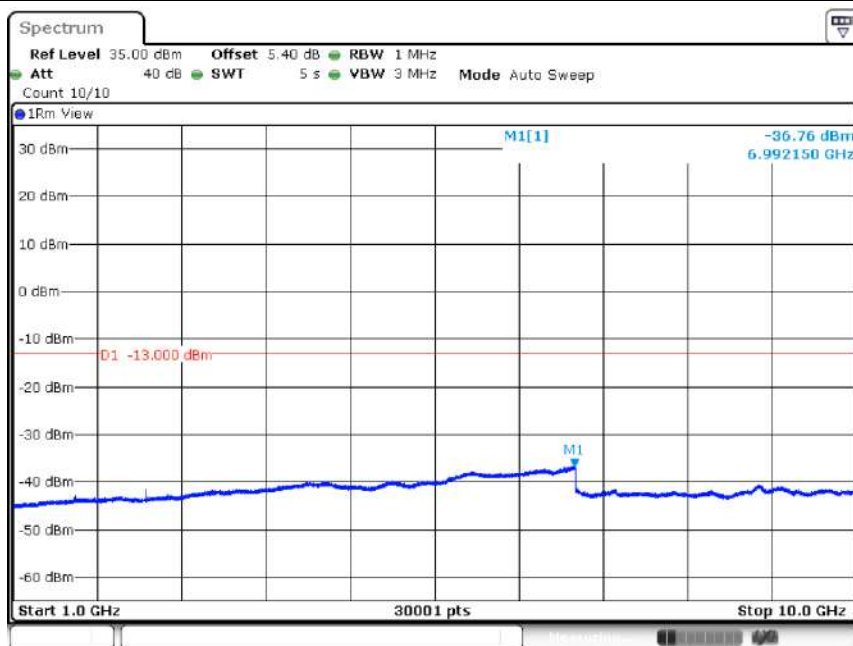
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Date: 29 JAN 2021 13:58:10

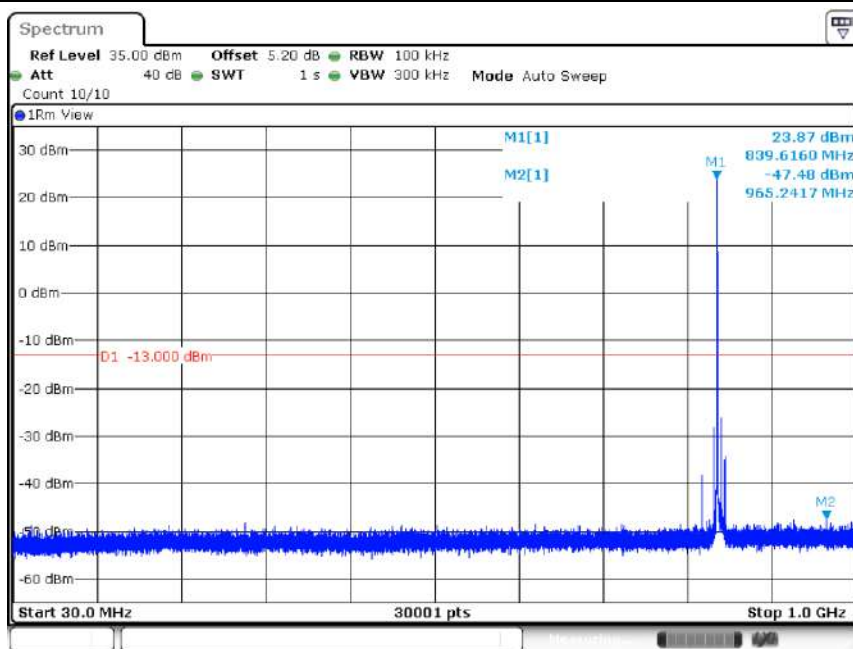


Band5-10MHz-16QAM-20525-1RB#0-Range2:1000~10000MHz



Date: 29 JAN 2021 13:59:17

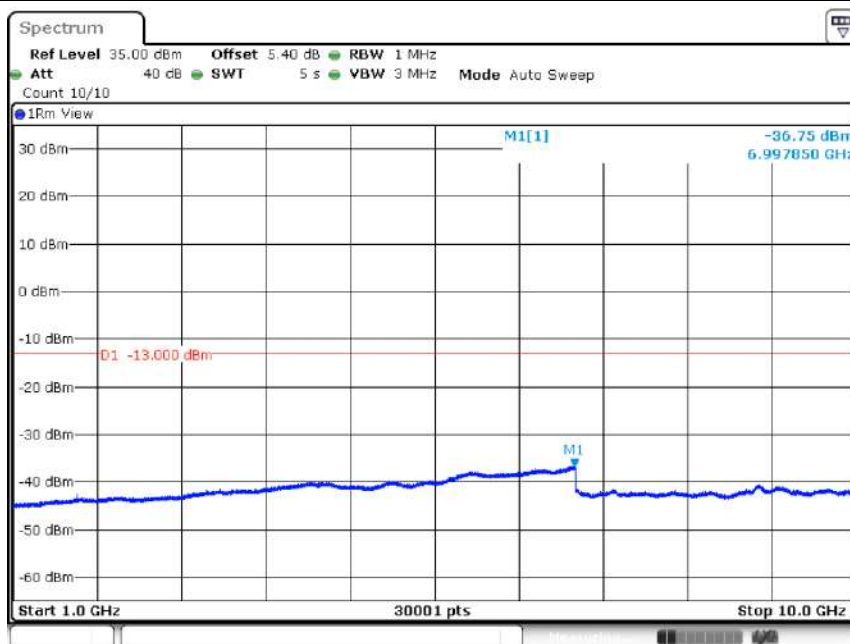
Band5-10MHz-16QAM-20600-1RB#0-Range1:30~1000MHz



Date: 29 JAN 2021 14:01:04



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



Date: 29 JAN 2021 14:02:11



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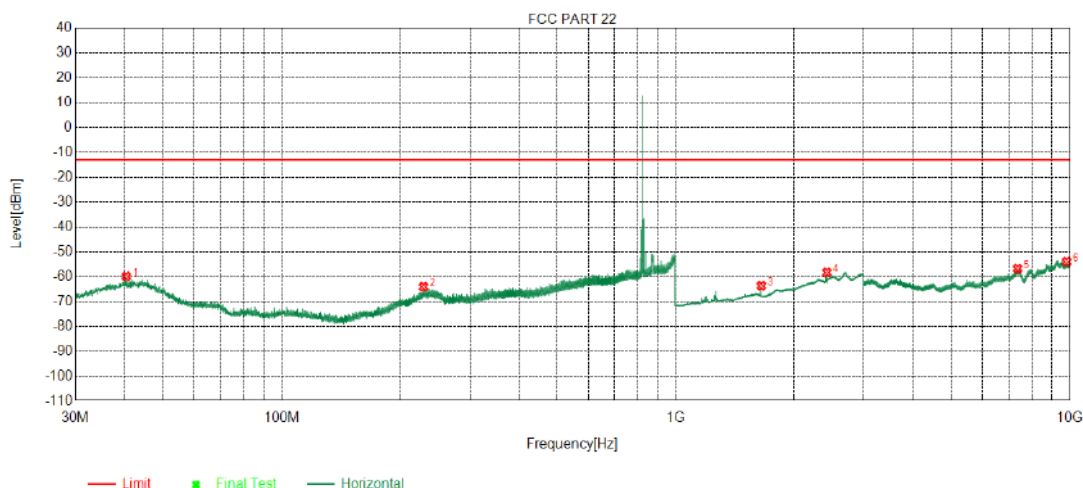


7. Field Strength of Spurious Radiation

1.1. Test Band = LTE_5_TM1 DOWN ANT

1.1.1. Test Channel = Low Channel

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	40.3310	-66.69	-59.91	-13.00	46.91	186	53	Horizontal
2	229.1995	-66.77	-64.08	-13.00	51.08	242	352	Horizontal
3	1648.9298	-67.74	-63.69	-13.00	50.69	221	180	Horizontal
4	2417.4835	-67.95	-58.32	-13.00	45.32	286	234	Horizontal
5	7366.9789	-56.64	-56.78	-13.00	43.78	294	352	Horizontal
6	9803.0601	-59.59	-54.01	-13.00	41.01	212	153	Horizontal



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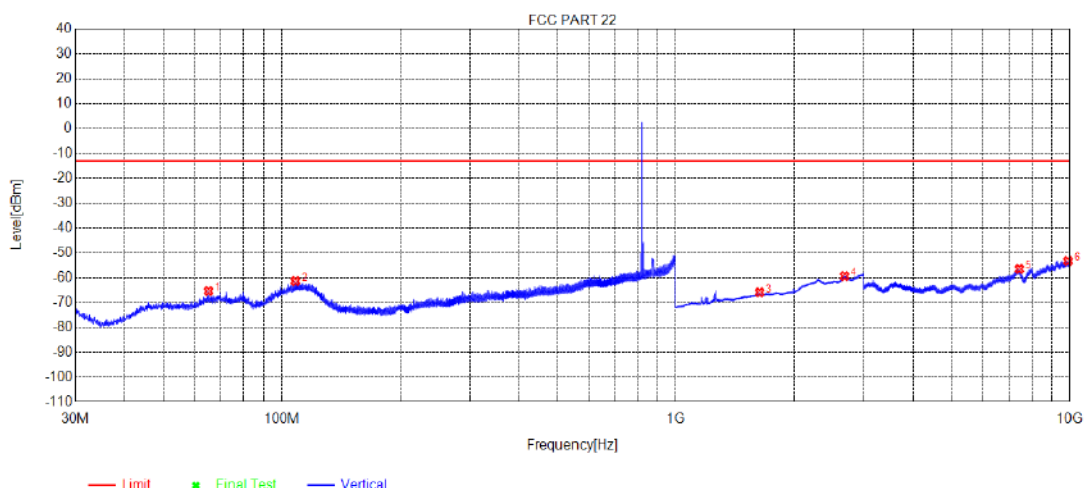
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1.2. Test Band = LTE_5_TM1 DOWN ANT
1.2.1. Test Channel = Low Channel

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	65.3098	-66.80	-65.41	-13.00	52.41	172	327	Vertical
2	108.3799	-67.47	-61.44	-13.00	48.44	252	29	Vertical
3	1632.9266	-70.57	-65.95	-13.00	52.95	263	260	Vertical
4	2683.1366	-70.77	-59.41	-13.00	46.41	211	343	Vertical
5	7437.2146	-56.90	-56.52	-13.00	43.52	194	153	Vertical
6	9891.2630	-59.74	-53.35	-13.00	40.35	185	277	Vertical



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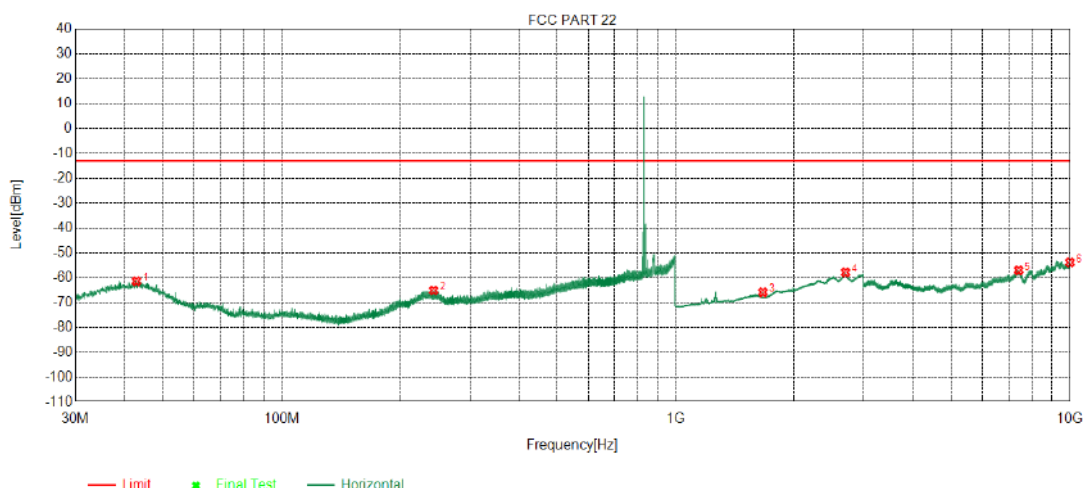
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1.3. Test Band = LTE_5_TM1 DOWN ANT

1.3.1. Test Channel = Mid Channel

Test Graph



Suspected Data List

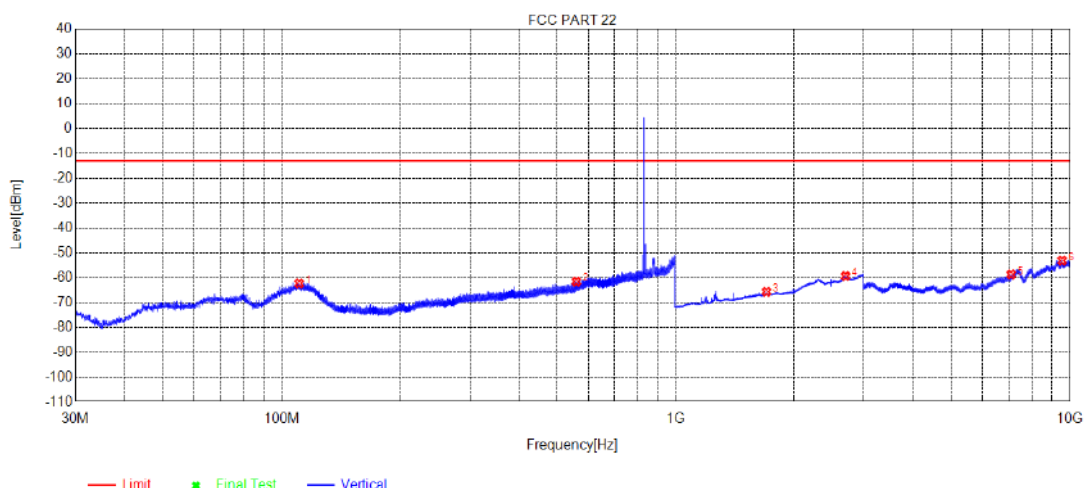
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	42.8046	-68.35	-61.44	-13.00	48.44	185	103	Horizontal
2	243.1682	-67.90	-65.18	-13.00	52.18	162	351	Horizontal
3	1664.1328	-69.77	-65.87	-13.00	52.87	132	43	Horizontal
4	2696.7393	-70.73	-57.89	-13.00	44.89	285	145	Horizontal
5	7414.3471	-56.97	-57.02	-13.00	44.02	277	301	Horizontal
6	9994.6332	-59.46	-53.90	-13.00	40.90	267	252	Horizontal



1.4. Test Band = LTE 5 TM1 DOWN ANT

1.4.1. Test Channel = Mid Channel

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	110.7080	-68.70	-62.35	-13.00	49.35	185	103	Vertical
2	559.3555	-67.23	-61.60	-13.00	48.60	162	351	Vertical
3	1699.7399	-70.53	-65.68	-13.00	52.68	132	43	Vertical
4	2697.1394	-71.01	-59.39	-13.00	46.39	285	145	Vertical
5	7096.3032	-57.72	-58.74	-13.00	45.74	277	301	Vertical
6	9545.4515	-58.42	-53.14	-13.00	40.14	267	252	Vertical



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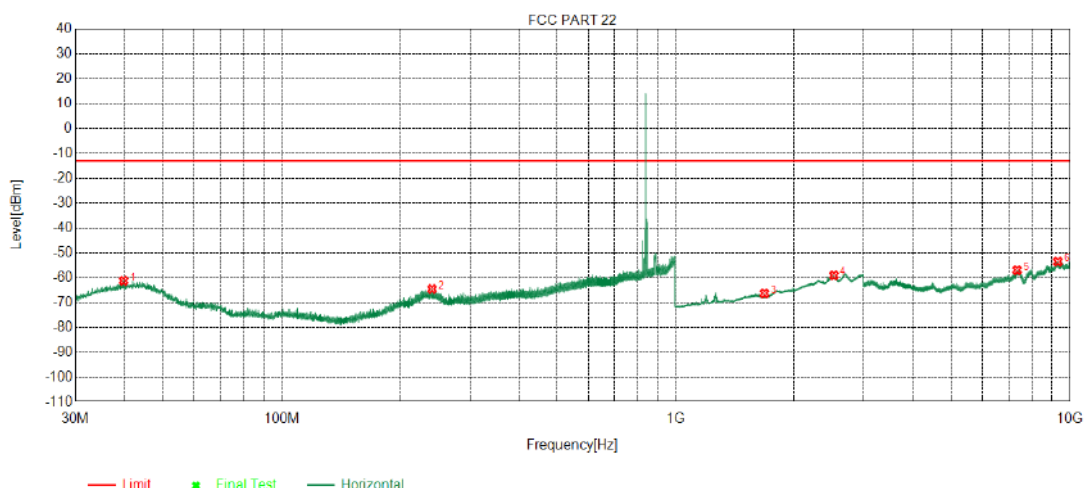
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1.5. Test Band = LTE 5 TM1 DOWN ANT

1.5.1. Test Channel = High Channel

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	39.7005	-67.94	-61.28	-13.00	48.28	177	277	Horizontal
2	240.9855	-67.34	-64.57	-13.00	51.57	102	252	Horizontal
3	1679.3359	-70.10	-66.35	-13.00	53.35	163	223	Horizontal
4	2519.1038	-70.23	-59.08	-13.00	46.08	241	168	Horizontal
5	7345.5115	-56.78	-56.98	-13.00	43.98	266	301	Horizontal
6	9319.8107	-59.31	-53.56	-13.00	40.56	284	327	Horizontal



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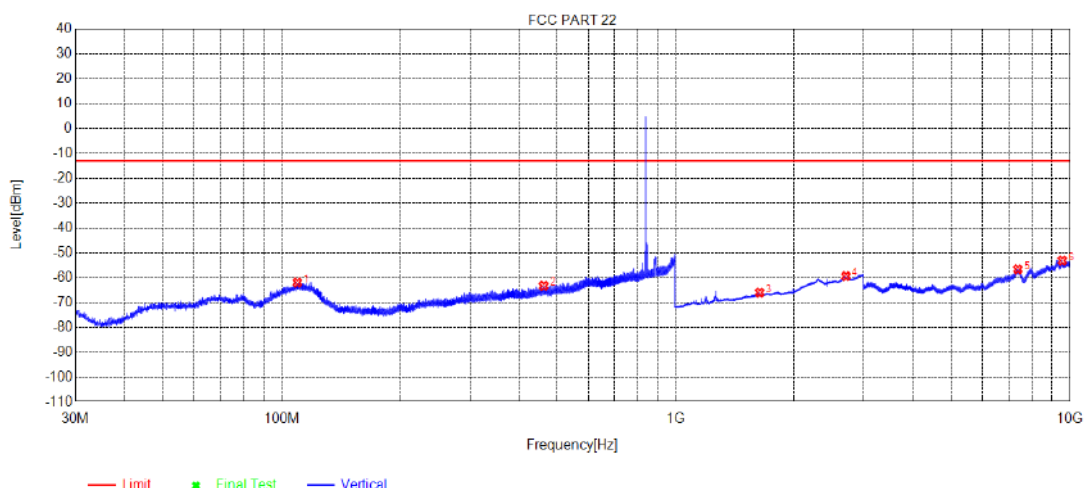
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1.6. Test Band = LTE 5 TM1 DOWN ANT

1.6.1. Test Channel = High Channel

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	109.5440	-68.27	-61.97	-13.00	48.97	169	308	Vertical
2	462.1566	-67.64	-63.33	-13.00	50.33	142	182	Vertical
3	1632.9266	-70.62	-66.00	-13.00	53.00	121	335	Vertical
4	2703.1406	-71.06	-59.42	-13.00	46.42	258	222	Vertical
5	7379.1126	-57.18	-56.64	-13.00	43.64	268	156	Vertical
6	9554.7852	-58.41	-53.13	-13.00	40.13	215	259	Vertical



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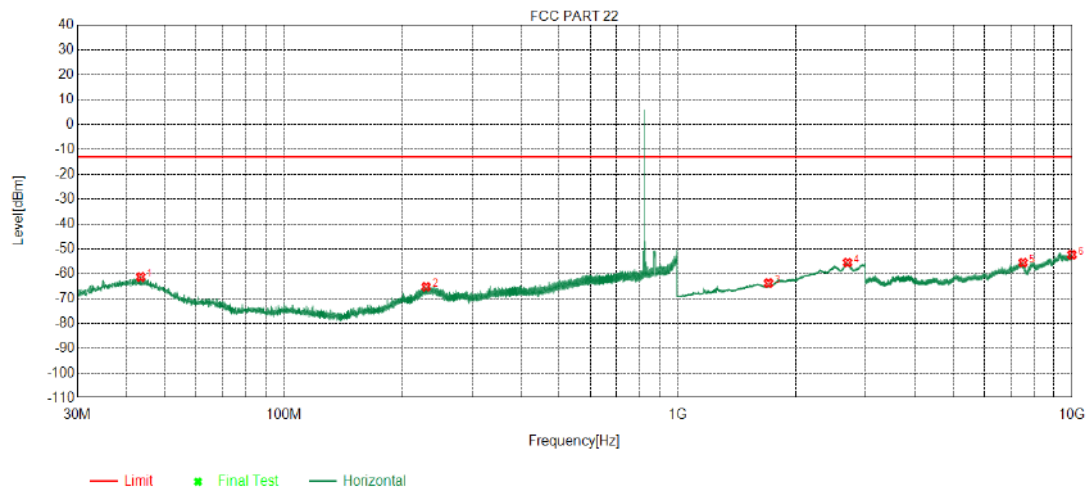
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1.7. Test Band = LTE_5_TM1 UP ANT

1.7.1. Test Channel = Low Channel

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	43.3867	-68.27	-61.33	-13.00	48.33	116	8	Horizontal
2	229.9755	-68.14	-65.31	-13.00	52.31	252	110	Horizontal
3	1700.1400	-67.40	-63.85	-13.00	50.85	233	300	Horizontal
4	2696.7393	-68.39	-55.55	-13.00	42.55	284	360	Horizontal
5	7517.4839	-55.46	-55.58	-13.00	42.58	119	34	Horizontal
6	9988.5663	-57.93	-52.41	-13.00	39.41	274	61	Horizontal

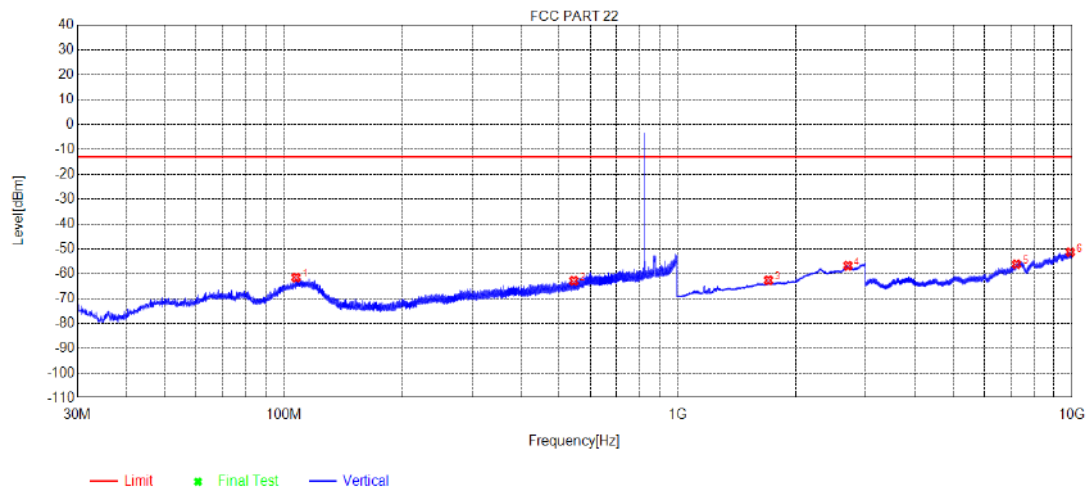




1.8. Test Band = LTE_5_TM1 UP ANT

1.8.1. Test Channel = Low Channel

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	107.4099	-67.38	-61.57	-13.00	48.57	263	17	Vertical
2	544.8047	-68.02	-62.91	-13.00	49.91	244	101	Vertical
3	1699.7399	-67.51	-62.66	-13.00	49.66	258	235	Vertical
4	2703.1406	-68.42	-56.78	-13.00	43.78	169	315	Vertical
5	7233.2744	-56.21	-56.22	-13.00	43.22	143	297	Vertical
6	9899.4300	-57.76	-51.39	-13.00	38.39	128	101	Vertical



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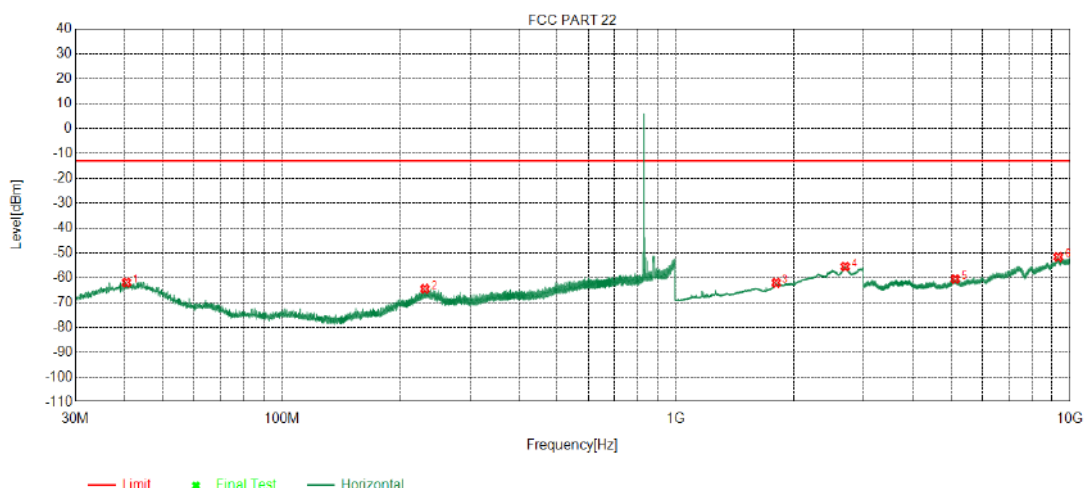
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1.9. Test Band = LTE 5 TM1 UP ANT

1.9.1. Test Channel = Mid Channel

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	40.3795	-68.76	-61.98	-13.00	48.98	166	282	Horizontal
2	231.1396	-67.35	-64.52	-13.00	51.52	124	26	Horizontal
3	1799.7600	-68.07	-62.09	-13.00	49.09	185	314	Horizontal
4	2691.5383	-68.22	-55.53	-13.00	42.53	166	45	Horizontal
5	5122.2374	-53.94	-60.57	-13.00	47.57	298	159	Horizontal
6	9343.6115	-57.21	-51.68	-13.00	38.68	211	233	Horizontal



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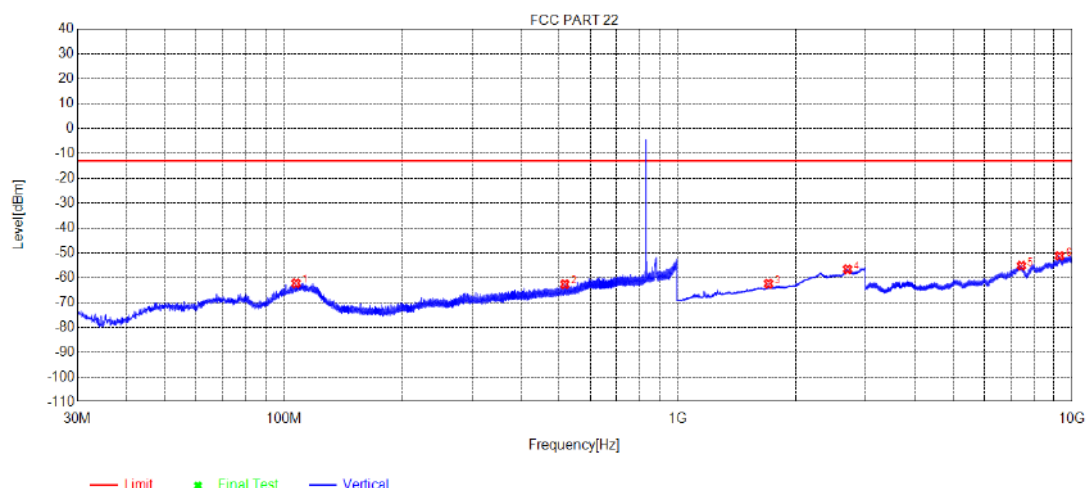
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1.10. Test Band = LTE_5_TM1 UP ANT

1.10.1. Test Channel = Mid Channel

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	107.4099	-68.09	-62.28	-13.00	49.28	176	295	Vertical
2	516.7703	-67.44	-62.64	-13.00	49.64	152	114	Vertical
3	1700.1400	-67.27	-62.42	-13.00	49.42	295	74	Vertical
4	2697.1394	-68.23	-56.61	-13.00	43.61	264	138	Vertical
5	7449.3483	-55.50	-55.18	-13.00	42.18	221	295	Vertical
6	9302.3101	-57.35	-51.26	-13.00	38.26	238	323	Vertical



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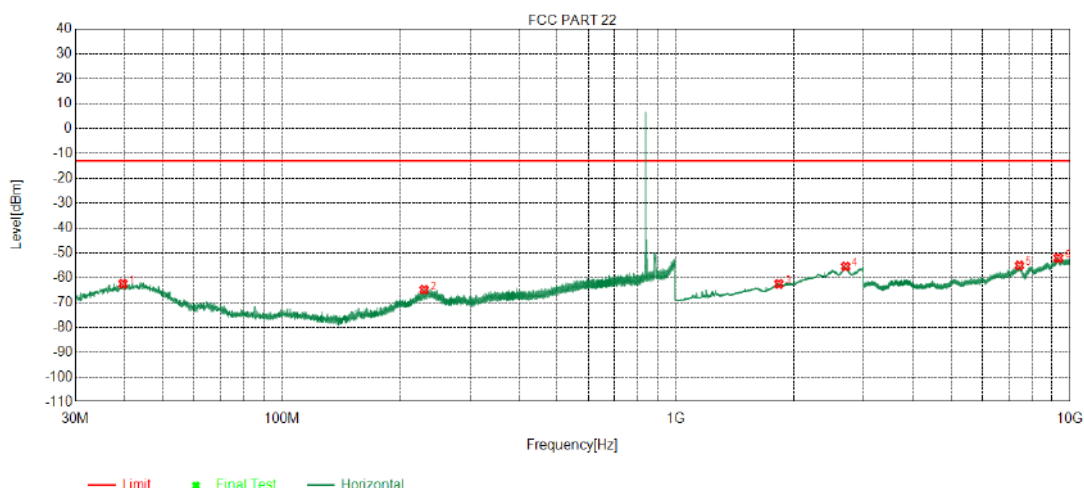
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1.11. Test Band = LTE 5 TM1 UP ANT

1.11.1. Test Channel = High Channel

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	39.5550	-69.08	-62.47	-13.00	49.47	116	4	Horizontal
2	229.9755	-67.67	-64.84	-13.00	51.84	295	28	Horizontal
3	1828.5657	-68.53	-62.52	-13.00	49.52	243	351	Horizontal
4	2699.1398	-68.39	-55.48	-13.00	42.48	221	273	Horizontal
5	7450.0483	-55.07	-55.10	-13.00	42.10	258	28	Horizontal
6	9347.5783	-57.57	-52.08	-13.00	39.08	269	280	Horizontal



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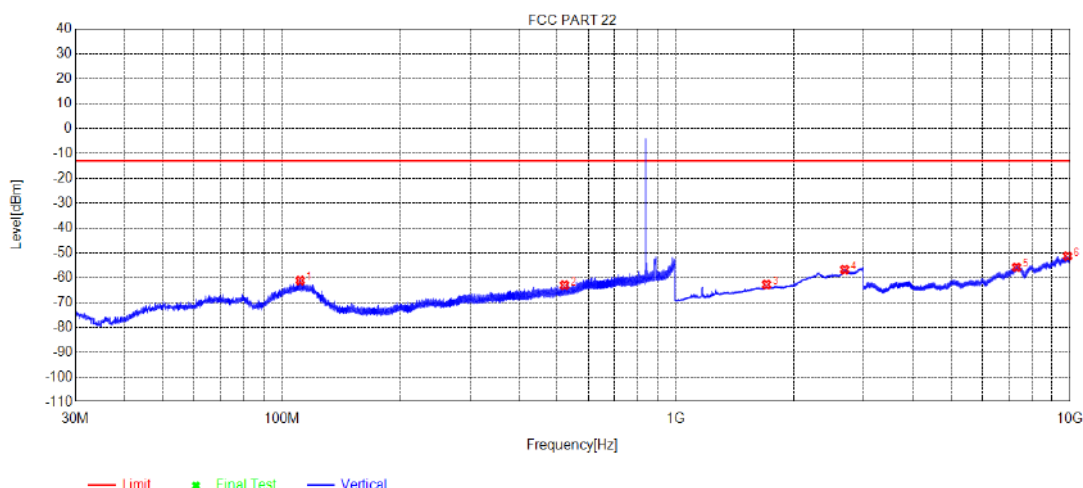
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1.12. Test Band = LTE_5_TM1 UP ANT

1.12.1. Test Channel = High Channel

Test Graph



Suspected Data List

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	111.3871	-67.44	-61.15	-13.00	48.15	178	114	Vertical
2	521.6691	-67.92	-63.06	-13.00	50.06	199	140	Vertical
3	1700.1400	-67.65	-62.80	-13.00	49.80	162	11	Vertical
4	2683.1366	-68.10	-56.74	-13.00	43.74	138	194	Vertical
5	7321.9441	-56.34	-55.85	-13.00	42.85	125	37	Vertical
6	9855.0952	-57.82	-51.37	-13.00	38.37	268	12	Vertical

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 above 18G below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data displayed in this report.
- 3 all modulation and all Bandwidth had been tested, but only the worst case data displayed in this report.



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8. Frequency Stability

8.1. Frequency Vs Voltage

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	10MHz	QPSK	20450	50RB#0	VL	NT	-0.30	-0.000362	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	VN	NT	-0.10	-0.000121	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	VH	NT	0.60	0.000724	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VL	NT	-2.20	-0.002630	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VN	NT	0.20	0.000239	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	-0.20	-0.000239	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VL	NT	0.20	0.000237	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VN	NT	2.10	0.002488	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	VH	NT	0.80	0.000948	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VL	NT	1.20	0.001448	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VN	NT	1.40	0.001689	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	VH	NT	1.30	0.001568	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VL	NT	-0.50	-0.000598	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VN	NT	0.40	0.000478	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	VH	NT	-0.30	-0.000359	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VL	NT	-0.30	-0.000355	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VN	NT	-2.20	-0.002607	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	VH	NT	0.10	0.000118	±2.5	PASS

8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	10MHz	QPSK	20450	50RB#0	NV	-30	-3.80	-0.004584	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-20	0.60	0.000724	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-10	3.50	0.004222	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	0	0.70	0.000844	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	10	1.30	0.001568	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	20	0.10	0.000121	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	30	0.90	0.001086	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	40	1.60	0.001930	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	50	-0.10	-0.000121	±2.5	PASS



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Band5	10MHz	QPSK	20525	50RB#0	NV	-30	2.80	0.003347	±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	-10	0.30	0.000359	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	1.10	0.001315	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	-0.40	-0.000478	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	-1.20	-0.001435	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	2.00	0.002391	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	-0.60	-0.000717	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	0.10	0.000120	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-30	1.90	0.002251	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-20	-0.20	-0.000237	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-10	1.30	0.001540	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	0	1.60	0.001896	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	10	-0.90	-0.001066	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	20	-0.40	-0.000474	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	30	-0.10	-0.000118	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	40	-0.30	-0.000355	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	50	-3.10	-0.003673	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	-30	-1.40	-0.001689	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	-20	-2.50	-0.003016	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	-10	-0.70	-0.000844	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	0	0.70	0.000844	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	10	-0.30	-0.000362	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	20	1.80	0.002171	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	30	1.10	0.001327	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	40	-0.10	-0.000121	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	50	0.90	0.001086	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	-30	0.10	0.000120	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	-20	-1.80	-0.002152	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	-10	-0.50	-0.000598	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	0	0.80	0.000956	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	10	0.30	0.000359	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	20	-0.20	-0.000239	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	30	0.70	0.000837	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	40	1.00	0.001195	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	50	1.40	0.001674	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	-30	-0.70	-0.000829	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	-20	2.10	0.002488	±2.5	PASS



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Band5	10MHz	16QAM	20600	50RB#0	NV	-10	1.90	0.002251	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	0	0.10	0.000118	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	10	0.80	0.000948	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	20	0.40	0.000474	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	30	1.60	0.001896	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	40	1.60	0.001896	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	50	3.50	0.004147	±2.5	PASS



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