



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	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
BAND5	1.4MHz	QPSK	20407	1RB#0	24.03	19.22	38.45	PASS
BAND5	1.4MHz	QPSK	20407	1RB#2	24.10	19.29	38.45	PASS
BAND5	1.4MHz	QPSK	20407	1RB#5	24.37	19.56	38.45	PASS
BAND5	1.4MHz	QPSK	20407	3RB#0	24.12	19.31	38.45	PASS
BAND5	1.4MHz	QPSK	20407	3RB#1	23.98	19.17	38.45	PASS
BAND5	1.4MHz	QPSK	20407	3RB#3	24.38	19.57	38.45	PASS
BAND5	1.4MHz	QPSK	20407	6RB#0	22.83	18.02	38.45	PASS
BAND5	1.4MHz	QPSK	20525	1RB#0	24.21	19.4	38.45	PASS
BAND5	1.4MHz	QPSK	20525	1RB#2	24.02	19.21	38.45	PASS
BAND5	1.4MHz	QPSK	20525	1RB#5	24.34	19.53	38.45	PASS
BAND5	1.4MHz	QPSK	20525	3RB#0	24.32	19.51	38.45	PASS
BAND5	1.4MHz	QPSK	20525	3RB#1	23.89	19.08	38.45	PASS
BAND5	1.4MHz	QPSK	20525	3RB#3	24.32	19.51	38.45	PASS
BAND5	1.4MHz	QPSK	20525	6RB#0	22.84	18.03	38.45	PASS
BAND5	1.4MHz	QPSK	20643	1RB#0	24.35	19.54	38.45	PASS
BAND5	1.4MHz	QPSK	20643	1RB#2	24.01	19.2	38.45	PASS
BAND5	1.4MHz	QPSK	20643	1RB#5	24.32	19.51	38.45	PASS
BAND5	1.4MHz	QPSK	20643	3RB#0	24.04	19.23	38.45	PASS
BAND5	1.4MHz	QPSK	20643	3RB#1	23.89	19.08	38.45	PASS
BAND5	1.4MHz	QPSK	20643	3RB#3	24.27	19.46	38.45	PASS
BAND5	1.4MHz	QPSK	20643	6RB#0	22.46	17.65	38.45	PASS
BAND5	1.4MHz	64QAM	20407	1RB#0	23.08	18.27	38.45	PASS
BAND5	1.4MHz	64QAM	20407	1RB#2	23.09	18.28	38.45	PASS
BAND5	1.4MHz	64QAM	20407	1RB#5	23.41	18.6	38.45	PASS
BAND5	1.4MHz	64QAM	20407	3RB#0	23.16	18.35	38.45	PASS
BAND5	1.4MHz	64QAM	20407	3RB#1	23.11	18.3	38.45	PASS
BAND5	1.4MHz	64QAM	20407	3RB#3	23.02	18.21	38.45	PASS
BAND5	1.4MHz	64QAM	20407	6RB#0	22.26	17.45	38.45	PASS
BAND5	1.4MHz	64QAM	20525	1RB#0	22.37	17.56	38.45	PASS
BAND5	1.4MHz	64QAM	20525	1RB#2	21.90	17.09	38.45	PASS
BAND5	1.4MHz	64QAM	20525	1RB#5	22.50	17.69	38.45	PASS
BAND5	1.4MHz	64QAM	20525	3RB#0	22.35	17.54	38.45	PASS
BAND5	1.4MHz	64QAM	20525	3RB#1	22.12	17.31	38.45	PASS
BAND5	1.4MHz	64QAM	20525	3RB#3	22.19	17.38	38.45	PASS



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BAND5	1.4MHz	64QAM	20525	6RB#0	21.12	16.31	38.45	PASS
BAND5	1.4MHz	64QAM	20643	1RB#0	22.55	17.74	38.45	PASS
BAND5	1.4MHz	64QAM	20643	1RB#2	22.19	17.38	38.45	PASS
BAND5	1.4MHz	64QAM	20643	1RB#5	22.56	17.75	38.45	PASS
BAND5	1.4MHz	64QAM	20643	3RB#0	21.94	17.13	38.45	PASS
BAND5	1.4MHz	64QAM	20643	3RB#1	21.97	17.16	38.45	PASS
BAND5	1.4MHz	64QAM	20643	3RB#3	22.22	17.41	38.45	PASS
BAND5	1.4MHz	64QAM	20643	6RB#0	20.99	16.18	38.45	PASS
BAND5	1.4MHz	16QAM	20407	1RB#0	23.20	18.39	38.45	PASS
BAND5	1.4MHz	16QAM	20407	1RB#2	22.84	18.03	38.45	PASS
BAND5	1.4MHz	16QAM	20407	1RB#5	23.49	18.68	38.45	PASS
BAND5	1.4MHz	16QAM	20407	3RB#0	23.15	18.34	38.45	PASS
BAND5	1.4MHz	16QAM	20407	3RB#1	23.08	18.27	38.45	PASS
BAND5	1.4MHz	16QAM	20407	3RB#3	22.98	18.17	38.45	PASS
BAND5	1.4MHz	16QAM	20407	6RB#0	22.28	17.47	38.45	PASS
BAND5	1.4MHz	16QAM	20525	1RB#0	23.26	18.45	38.45	PASS
BAND5	1.4MHz	16QAM	20525	1RB#2	23.06	18.25	38.45	PASS
BAND5	1.4MHz	16QAM	20525	1RB#5	23.53	18.72	38.45	PASS
BAND5	1.4MHz	16QAM	20525	3RB#0	23.33	18.52	38.45	PASS
BAND5	1.4MHz	16QAM	20525	3RB#1	23.08	18.27	38.45	PASS
BAND5	1.4MHz	16QAM	20525	3RB#3	23.27	18.46	38.45	PASS
BAND5	1.4MHz	16QAM	20525	6RB#0	22.34	17.53	38.45	PASS
BAND5	1.4MHz	16QAM	20643	1RB#0	23.46	18.65	38.45	PASS
BAND5	1.4MHz	16QAM	20643	1RB#2	22.96	18.15	38.45	PASS
BAND5	1.4MHz	16QAM	20643	1RB#5	23.46	18.65	38.45	PASS
BAND5	1.4MHz	16QAM	20643	3RB#0	22.92	18.11	38.45	PASS
BAND5	1.4MHz	16QAM	20643	3RB#1	23.01	18.2	38.45	PASS
BAND5	1.4MHz	16QAM	20643	3RB#3	22.99	18.18	38.45	PASS
BAND5	1.4MHz	16QAM	20643	6RB#0	21.94	17.13	38.45	PASS
BAND5	3MHz	QPSK	20415	1RB#0	24.37	19.56	38.45	PASS
BAND5	3MHz	QPSK	20415	1RB#8	24.21	19.4	38.45	PASS
BAND5	3MHz	QPSK	20415	1RB#14	24.23	19.42	38.45	PASS
BAND5	3MHz	QPSK	20415	8RB#0	22.85	18.04	38.45	PASS
BAND5	3MHz	QPSK	20415	8RB#4	22.82	18.01	38.45	PASS
BAND5	3MHz	QPSK	20415	8RB#7	22.74	17.93	38.45	PASS
BAND5	3MHz	QPSK	20415	15RB#0	22.85	18.04	38.45	PASS
BAND5	3MHz	QPSK	20525	1RB#0	24.23	19.42	38.45	PASS
BAND5	3MHz	QPSK	20525	1RB#8	24.36	19.55	38.45	PASS
BAND5	3MHz	QPSK	20525	1RB#14	24.28	19.47	38.45	PASS
BAND5	3MHz	QPSK	20525	8RB#0	22.82	18.01	38.45	PASS
BAND5	3MHz	QPSK	20525	8RB#4	22.73	17.92	38.45	PASS

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BAND5	3MHz	QPSK	20525	8RB#7	22.72	17.91	38.45	PASS
BAND5	3MHz	QPSK	20525	15RB#0	22.82	18.01	38.45	PASS
BAND5	3MHz	QPSK	20635	1RB#0	23.95	19.14	38.45	PASS
BAND5	3MHz	QPSK	20635	1RB#8	24.47	19.66	38.45	PASS
BAND5	3MHz	QPSK	20635	1RB#14	24.38	19.57	38.45	PASS
BAND5	3MHz	QPSK	20635	8RB#0	22.86	18.05	38.45	PASS
BAND5	3MHz	QPSK	20635	8RB#4	22.70	17.89	38.45	PASS
BAND5	3MHz	QPSK	20635	8RB#7	22.72	17.91	38.45	PASS
BAND5	3MHz	QPSK	20635	15RB#0	22.87	18.06	38.45	PASS
BAND5	3MHz	64QAM	20415	1RB#0	23.10	18.29	38.45	PASS
BAND5	3MHz	64QAM	20415	1RB#8	23.30	18.49	38.45	PASS
BAND5	3MHz	64QAM	20415	1RB#14	23.44	18.63	38.45	PASS
BAND5	3MHz	64QAM	20415	8RB#0	22.31	17.5	38.45	PASS
BAND5	3MHz	64QAM	20415	8RB#4	22.24	17.43	38.45	PASS
BAND5	3MHz	64QAM	20415	8RB#7	22.22	17.41	38.45	PASS
BAND5	3MHz	64QAM	20415	15RB#0	22.30	17.49	38.45	PASS
BAND5	3MHz	64QAM	20525	1RB#0	22.44	17.63	38.45	PASS
BAND5	3MHz	64QAM	20525	1RB#8	22.47	17.66	38.45	PASS
BAND5	3MHz	64QAM	20525	1RB#14	22.45	17.64	38.45	PASS
BAND5	3MHz	64QAM	20525	8RB#0	21.33	16.52	38.45	PASS
BAND5	3MHz	64QAM	20525	8RB#4	21.19	16.38	38.45	PASS
BAND5	3MHz	64QAM	20525	8RB#7	21.23	16.42	38.45	PASS
BAND5	3MHz	64QAM	20525	15RB#0	21.31	16.5	38.45	PASS
BAND5	3MHz	64QAM	20635	1RB#0	22.16	17.35	38.45	PASS
BAND5	3MHz	64QAM	20635	1RB#8	22.51	17.7	38.45	PASS
BAND5	3MHz	64QAM	20635	1RB#14	22.51	17.7	38.45	PASS
BAND5	3MHz	64QAM	20635	8RB#0	21.24	16.43	38.45	PASS
BAND5	3MHz	64QAM	20635	8RB#4	21.23	16.42	38.45	PASS
BAND5	3MHz	64QAM	20635	8RB#7	21.21	16.4	38.45	PASS
BAND5	3MHz	64QAM	20635	15RB#0	21.38	16.57	38.45	PASS
BAND5	3MHz	16QAM	20415	1RB#0	23.42	18.61	38.45	PASS
BAND5	3MHz	16QAM	20415	1RB#8	23.32	18.51	38.45	PASS
BAND5	3MHz	16QAM	20415	1RB#14	23.59	18.78	38.45	PASS
BAND5	3MHz	16QAM	20415	8RB#0	22.01	17.2	38.45	PASS
BAND5	3MHz	16QAM	20415	8RB#4	22.30	17.49	38.45	PASS
BAND5	3MHz	16QAM	20415	8RB#7	22.20	17.39	38.45	PASS
BAND5	3MHz	16QAM	20415	15RB#0	22.29	17.48	38.45	PASS
BAND5	3MHz	16QAM	20525	1RB#0	23.34	18.53	38.45	PASS
BAND5	3MHz	16QAM	20525	1RB#8	23.40	18.59	38.45	PASS
BAND5	3MHz	16QAM	20525	1RB#14	23.40	18.59	38.45	PASS
BAND5	3MHz	16QAM	20525	8RB#0	22.24	17.43	38.45	PASS

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BAND5	3MHz	16QAM	20525	8RB#4	22.20	17.39	38.45	PASS
BAND5	3MHz	16QAM	20525	8RB#7	22.21	17.4	38.45	PASS
BAND5	3MHz	16QAM	20525	15RB#0	22.28	17.47	38.45	PASS
BAND5	3MHz	16QAM	20635	1RB#0	23.10	18.29	38.45	PASS
BAND5	3MHz	16QAM	20635	1RB#8	23.56	18.75	38.45	PASS
BAND5	3MHz	16QAM	20635	1RB#14	23.47	18.66	38.45	PASS
BAND5	3MHz	16QAM	20635	8RB#0	22.20	17.39	38.45	PASS
BAND5	3MHz	16QAM	20635	8RB#4	22.21	17.4	38.45	PASS
BAND5	3MHz	16QAM	20635	8RB#7	22.14	17.33	38.45	PASS
BAND5	3MHz	16QAM	20635	15RB#0	22.33	17.52	38.45	PASS
BAND5	5MHz	QPSK	20425	1RB#0	24.16	19.35	38.45	PASS
BAND5	5MHz	QPSK	20425	1RB#12	23.55	18.74	38.45	PASS
BAND5	5MHz	QPSK	20425	1RB#24	24.26	19.45	38.45	PASS
BAND5	5MHz	QPSK	20425	12RB#0	22.91	18.1	38.45	PASS
BAND5	5MHz	QPSK	20425	12RB#6	22.78	17.97	38.45	PASS
BAND5	5MHz	QPSK	20425	12RB#13	22.75	17.94	38.45	PASS
BAND5	5MHz	QPSK	20425	25RB#0	22.81	18	38.45	PASS
BAND5	5MHz	QPSK	20525	1RB#0	24.36	19.55	38.45	PASS
BAND5	5MHz	QPSK	20525	1RB#12	23.52	18.71	38.45	PASS
BAND5	5MHz	QPSK	20525	1RB#24	24.27	19.46	38.45	PASS
BAND5	5MHz	QPSK	20525	12RB#0	23.05	18.24	38.45	PASS
BAND5	5MHz	QPSK	20525	12RB#6	22.90	18.09	38.45	PASS
BAND5	5MHz	QPSK	20525	12RB#13	22.84	18.03	38.45	PASS
BAND5	5MHz	QPSK	20525	25RB#0	22.85	18.04	38.45	PASS
BAND5	5MHz	QPSK	20625	1RB#0	24.20	19.39	38.45	PASS
BAND5	5MHz	QPSK	20625	1RB#12	23.52	18.71	38.45	PASS
BAND5	5MHz	QPSK	20625	1RB#24	24.14	19.33	38.45	PASS
BAND5	5MHz	QPSK	20625	12RB#0	22.55	17.74	38.45	PASS
BAND5	5MHz	QPSK	20625	12RB#6	22.89	18.08	38.45	PASS
BAND5	5MHz	QPSK	20625	12RB#13	22.95	18.14	38.45	PASS
BAND5	5MHz	QPSK	20625	25RB#0	22.84	18.03	38.45	PASS
BAND5	5MHz	64QAM	20425	1RB#0	23.21	18.4	38.45	PASS
BAND5	5MHz	64QAM	20425	1RB#12	23.03	18.22	38.45	PASS
BAND5	5MHz	64QAM	20425	1RB#24	23.20	18.39	38.45	PASS
BAND5	5MHz	64QAM	20425	12RB#0	22.36	17.55	38.45	PASS
BAND5	5MHz	64QAM	20425	12RB#6	22.22	17.41	38.45	PASS
BAND5	5MHz	64QAM	20425	12RB#13	22.19	17.38	38.45	PASS
BAND5	5MHz	64QAM	20425	25RB#0	22.24	17.43	38.45	PASS
BAND5	5MHz	64QAM	20525	1RB#0	22.50	17.69	38.45	PASS
BAND5	5MHz	64QAM	20525	1RB#12	22.04	17.23	38.45	PASS
BAND5	5MHz	64QAM	20525	1RB#24	22.48	17.67	38.45	PASS

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BAND5	5MHz	64QAM	20525	12RB#0	21.40	16.59	38.45	PASS
BAND5	5MHz	64QAM	20525	12RB#6	21.10	16.29	38.45	PASS
BAND5	5MHz	64QAM	20525	12RB#13	21.35	16.54	38.45	PASS
BAND5	5MHz	64QAM	20525	25RB#0	21.31	16.5	38.45	PASS
BAND5	5MHz	64QAM	20625	1RB#0	22.42	17.61	38.45	PASS
BAND5	5MHz	64QAM	20625	1RB#12	21.76	16.95	38.45	PASS
BAND5	5MHz	64QAM	20625	1RB#24	22.37	17.56	38.45	PASS
BAND5	5MHz	64QAM	20625	12RB#0	21.14	16.33	38.45	PASS
BAND5	5MHz	64QAM	20625	12RB#6	21.31	16.5	38.45	PASS
BAND5	5MHz	64QAM	20625	12RB#13	21.36	16.55	38.45	PASS
BAND5	5MHz	64QAM	20625	25RB#0	21.35	16.54	38.45	PASS
BAND5	5MHz	16QAM	20425	1RB#0	23.27	18.46	38.45	PASS
BAND5	5MHz	16QAM	20425	1RB#12	23.05	18.24	38.45	PASS
BAND5	5MHz	16QAM	20425	1RB#24	23.33	18.52	38.45	PASS
BAND5	5MHz	16QAM	20425	12RB#0	22.33	17.52	38.45	PASS
BAND5	5MHz	16QAM	20425	12RB#6	22.23	17.42	38.45	PASS
BAND5	5MHz	16QAM	20425	12RB#13	22.18	17.37	38.45	PASS
BAND5	5MHz	16QAM	20425	25RB#0	22.25	17.44	38.45	PASS
BAND5	5MHz	16QAM	20525	1RB#0	23.40	18.59	38.45	PASS
BAND5	5MHz	16QAM	20525	1RB#12	22.73	17.92	38.45	PASS
BAND5	5MHz	16QAM	20525	1RB#24	23.47	18.66	38.45	PASS
BAND5	5MHz	16QAM	20525	12RB#0	22.51	17.7	38.45	PASS
BAND5	5MHz	16QAM	20525	12RB#6	22.30	17.49	38.45	PASS
BAND5	5MHz	16QAM	20525	12RB#13	22.28	17.47	38.45	PASS
BAND5	5MHz	16QAM	20525	25RB#0	22.27	17.46	38.45	PASS
BAND5	5MHz	16QAM	20625	1RB#0	23.26	18.45	38.45	PASS
BAND5	5MHz	16QAM	20625	1RB#12	22.81	18	38.45	PASS
BAND5	5MHz	16QAM	20625	1RB#24	23.31	18.5	38.45	PASS
BAND5	5MHz	16QAM	20625	12RB#0	22.02	17.21	38.45	PASS
BAND5	5MHz	16QAM	20625	12RB#6	22.34	17.53	38.45	PASS
BAND5	5MHz	16QAM	20625	12RB#13	22.41	17.6	38.45	PASS
BAND5	5MHz	16QAM	20625	25RB#0	22.28	17.47	38.45	PASS
BAND5	10MHz	QPSK	20450	1RB#0	24.41	19.6	38.45	PASS
BAND5	10MHz	QPSK	20450	1RB#24	23.92	19.11	38.45	PASS
BAND5	10MHz	QPSK	20450	1RB#49	24.31	19.5	38.45	PASS
BAND5	10MHz	QPSK	20450	25RB#0	22.86	18.05	38.45	PASS
BAND5	10MHz	QPSK	20450	25RB#12	22.78	17.97	38.45	PASS
BAND5	10MHz	QPSK	20450	25RB#25	22.82	18.01	38.45	PASS
BAND5	10MHz	QPSK	20450	50RB#0	22.83	18.02	38.45	PASS
BAND5	10MHz	QPSK	20525	1RB#0	24.04	19.23	38.45	PASS
BAND5	10MHz	QPSK	20525	1RB#24	24.04	19.23	38.45	PASS

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BAND5	10MHz	QPSK	20525	1RB#49	24.18	19.37	38.45	PASS
BAND5	10MHz	QPSK	20525	25RB#0	22.91	18.1	38.45	PASS
BAND5	10MHz	QPSK	20525	25RB#12	22.88	18.07	38.45	PASS
BAND5	10MHz	QPSK	20525	25RB#25	22.81	18	38.45	PASS
BAND5	10MHz	QPSK	20525	50RB#0	22.84	18.03	38.45	PASS
BAND5	10MHz	QPSK	20600	1RB#0	24.36	19.55	38.45	PASS
BAND5	10MHz	QPSK	20600	1RB#24	23.98	19.17	38.45	PASS
BAND5	10MHz	QPSK	20600	1RB#49	24.38	19.57	38.45	PASS
BAND5	10MHz	QPSK	20600	25RB#0	22.79	17.98	38.45	PASS
BAND5	10MHz	QPSK	20600	25RB#12	22.74	17.93	38.45	PASS
BAND5	10MHz	QPSK	20600	25RB#25	22.84	18.03	38.45	PASS
BAND5	10MHz	QPSK	20600	50RB#0	22.71	17.9	38.45	PASS
BAND5	10MHz	64QAM	20450	1RB#0	23.11	18.3	38.45	PASS
BAND5	10MHz	64QAM	20450	1RB#24	22.95	18.14	38.45	PASS
BAND5	10MHz	64QAM	20450	1RB#49	23.31	18.5	38.45	PASS
BAND5	10MHz	64QAM	20450	25RB#0	22.26	17.45	38.45	PASS
BAND5	10MHz	64QAM	20450	25RB#12	22.21	17.4	38.45	PASS
BAND5	10MHz	64QAM	20450	25RB#25	22.26	17.45	38.45	PASS
BAND5	10MHz	64QAM	20450	50RB#0	22.24	17.43	38.45	PASS
BAND5	10MHz	64QAM	20525	1RB#0	22.26	17.45	38.45	PASS
BAND5	10MHz	64QAM	20525	1RB#24	22.12	17.31	38.45	PASS
BAND5	10MHz	64QAM	20525	1RB#49	22.36	17.55	38.45	PASS
BAND5	10MHz	64QAM	20525	25RB#0	21.39	16.58	38.45	PASS
BAND5	10MHz	64QAM	20525	25RB#12	21.36	16.55	38.45	PASS
BAND5	10MHz	64QAM	20525	25RB#25	21.26	16.45	38.45	PASS
BAND5	10MHz	64QAM	20525	50RB#0	21.29	16.48	38.45	PASS
BAND5	10MHz	64QAM	20600	1RB#0	22.52	17.71	38.45	PASS
BAND5	10MHz	64QAM	20600	1RB#24	21.93	17.12	38.45	PASS
BAND5	10MHz	64QAM	20600	1RB#49	22.44	17.63	38.45	PASS
BAND5	10MHz	64QAM	20600	25RB#0	21.31	16.5	38.45	PASS
BAND5	10MHz	64QAM	20600	25RB#12	21.25	16.44	38.45	PASS
BAND5	10MHz	64QAM	20600	25RB#25	21.34	16.53	38.45	PASS
BAND5	10MHz	64QAM	20600	50RB#0	21.20	16.39	38.45	PASS
BAND5	10MHz	16QAM	20450	1RB#0	23.51	18.7	38.45	PASS
BAND5	10MHz	16QAM	20450	1RB#24	22.96	18.15	38.45	PASS
BAND5	10MHz	16QAM	20450	1RB#49	23.48	18.67	38.45	PASS
BAND5	10MHz	16QAM	20450	25RB#0	22.28	17.47	38.45	PASS
BAND5	10MHz	16QAM	20450	25RB#12	22.22	17.41	38.45	PASS
BAND5	10MHz	16QAM	20450	25RB#25	22.24	17.43	38.45	PASS
BAND5	10MHz	16QAM	20450	50RB#0	22.25	17.44	38.45	PASS
BAND5	10MHz	16QAM	20525	1RB#0	23.12	18.31	38.45	PASS

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BAND5	10MHz	16QAM	20525	1RB#24	23.10	18.29	38.45	PASS
BAND5	10MHz	16QAM	20525	1RB#49	23.33	18.52	38.45	PASS
BAND5	10MHz	16QAM	20525	25RB#0	22.34	17.53	38.45	PASS
BAND5	10MHz	16QAM	20525	25RB#12	22.30	17.49	38.45	PASS
BAND5	10MHz	16QAM	20525	25RB#25	22.23	17.42	38.45	PASS
BAND5	10MHz	16QAM	20525	50RB#0	22.26	17.45	38.45	PASS
BAND5	10MHz	16QAM	20600	1RB#0	23.53	18.72	38.45	PASS
BAND5	10MHz	16QAM	20600	1RB#24	23.09	18.28	38.45	PASS
BAND5	10MHz	16QAM	20600	1RB#49	23.50	18.69	38.45	PASS
BAND5	10MHz	16QAM	20600	25RB#0	22.27	17.46	38.45	PASS
BAND5	10MHz	16QAM	20600	25RB#12	22.17	17.36	38.45	PASS
BAND5	10MHz	16QAM	20600	25RB#25	22.27	17.46	38.45	PASS
BAND5	10MHz	16QAM	20600	50RB#0	22.13	17.32	38.45	PASS

Note:

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

$$\text{ERP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBd]}$$

$$\text{EIRP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBi]}$$

b: SGP=Signal Generator Level

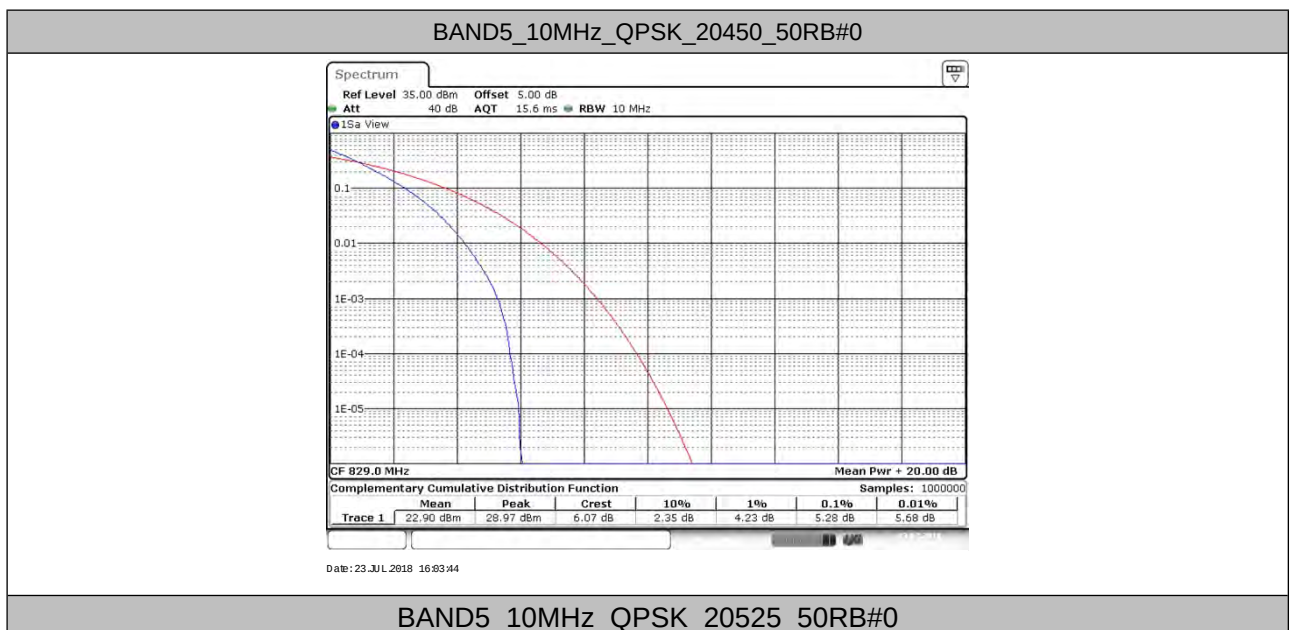


2. Peak-to-Average Ratio(CCDF)

2.1. Test Result

BAND	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
BAND5	10MHz	QPSK	20450	50RB#0	5.28	13	PASS
BAND5	10MHz	QPSK	20525	50RB#0	5.25	13	PASS
BAND5	10MHz	QPSK	20600	50RB#0	5.13	13	PASS
BAND5	10MHz	64QAM	20450	50RB#0	5.86	13	PASS
BAND5	10MHz	64QAM	20525	50RB#0	6.06	13	PASS
BAND5	10MHz	64QAM	20600	50RB#0	6.06	13	PASS
BAND5	10MHz	16QAM	20450	50RB#0	5.88	13	PASS
BAND5	10MHz	16QAM	20525	50RB#0	5.83	13	PASS
BAND5	10MHz	16QAM	20600	50RB#0	5.80	13	PASS

2.2. Test Plots

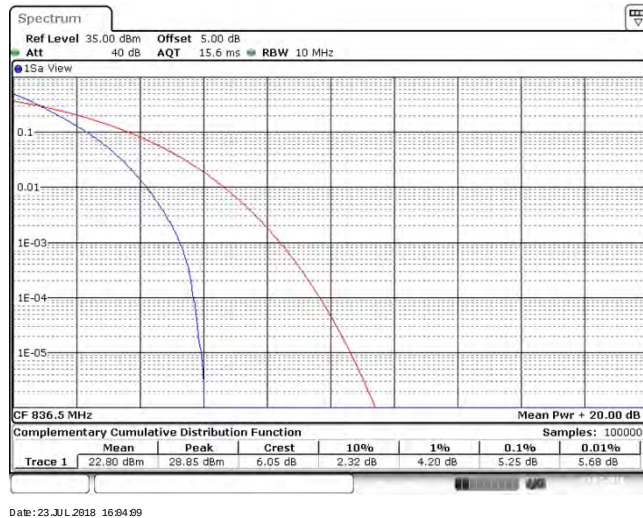




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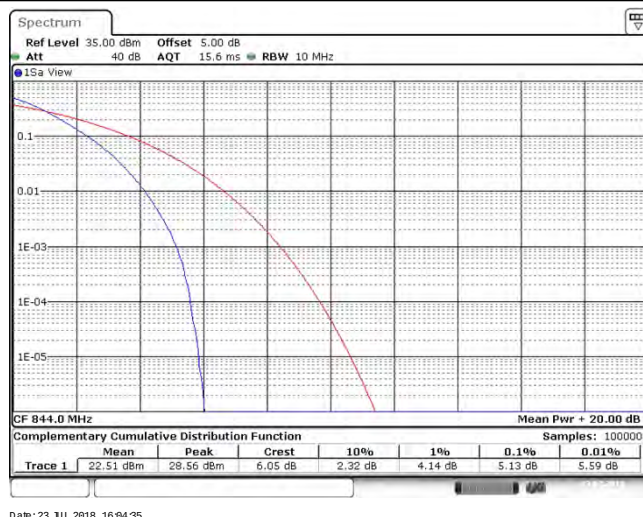
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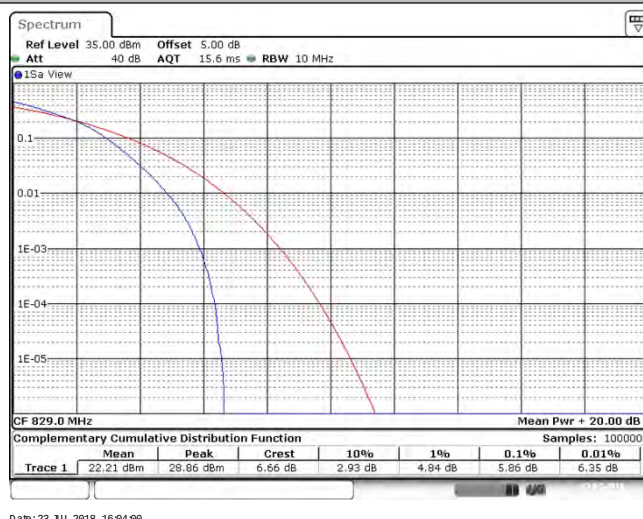
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BAND5_10MHz_QPSK_20600_50RB#0



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BAND5_10MHz_64QAM_20450_50RB#0



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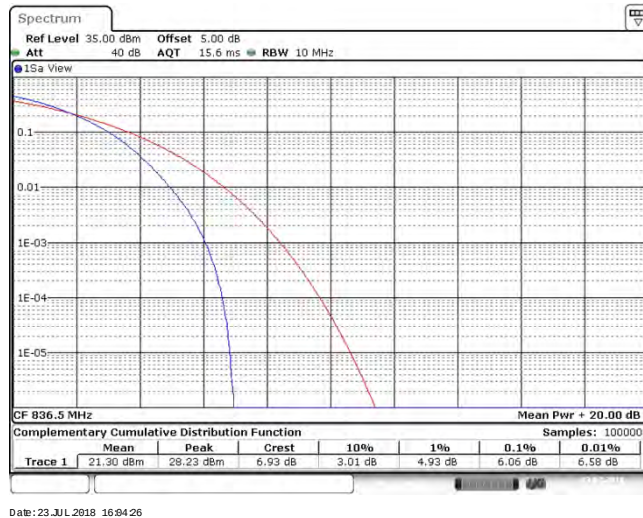
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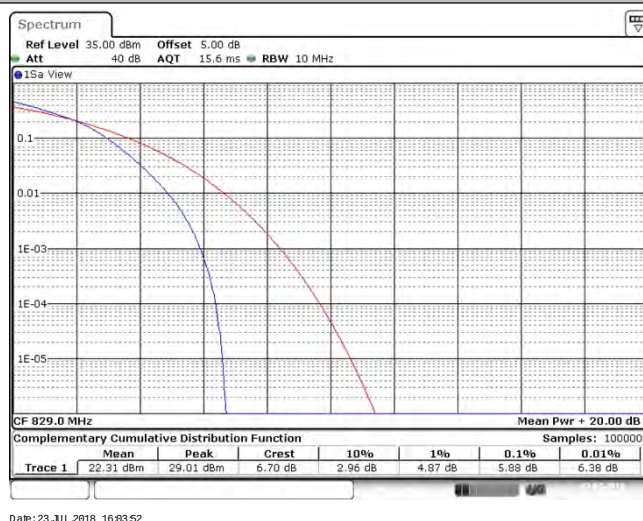
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BAND5_10MHz_64QAM_20600_50RB#0



BAND5_10MHz_16QAM_20450_50RB#0



BAND5_10MHz_16QAM_20525_50RB#0



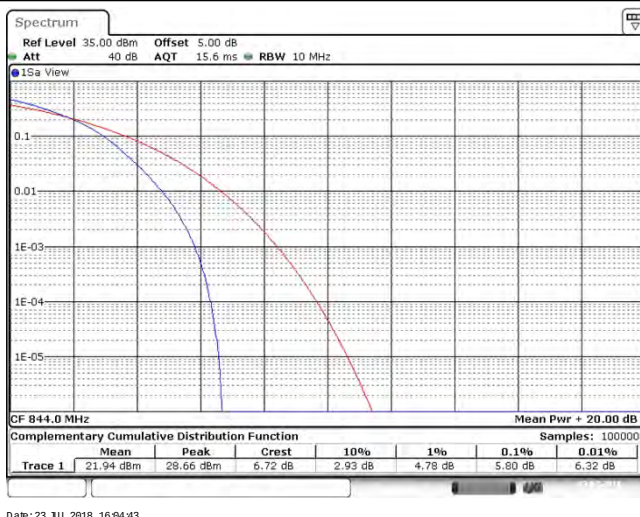
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BAND5_10MHz_16QAM_20600_50RB#0



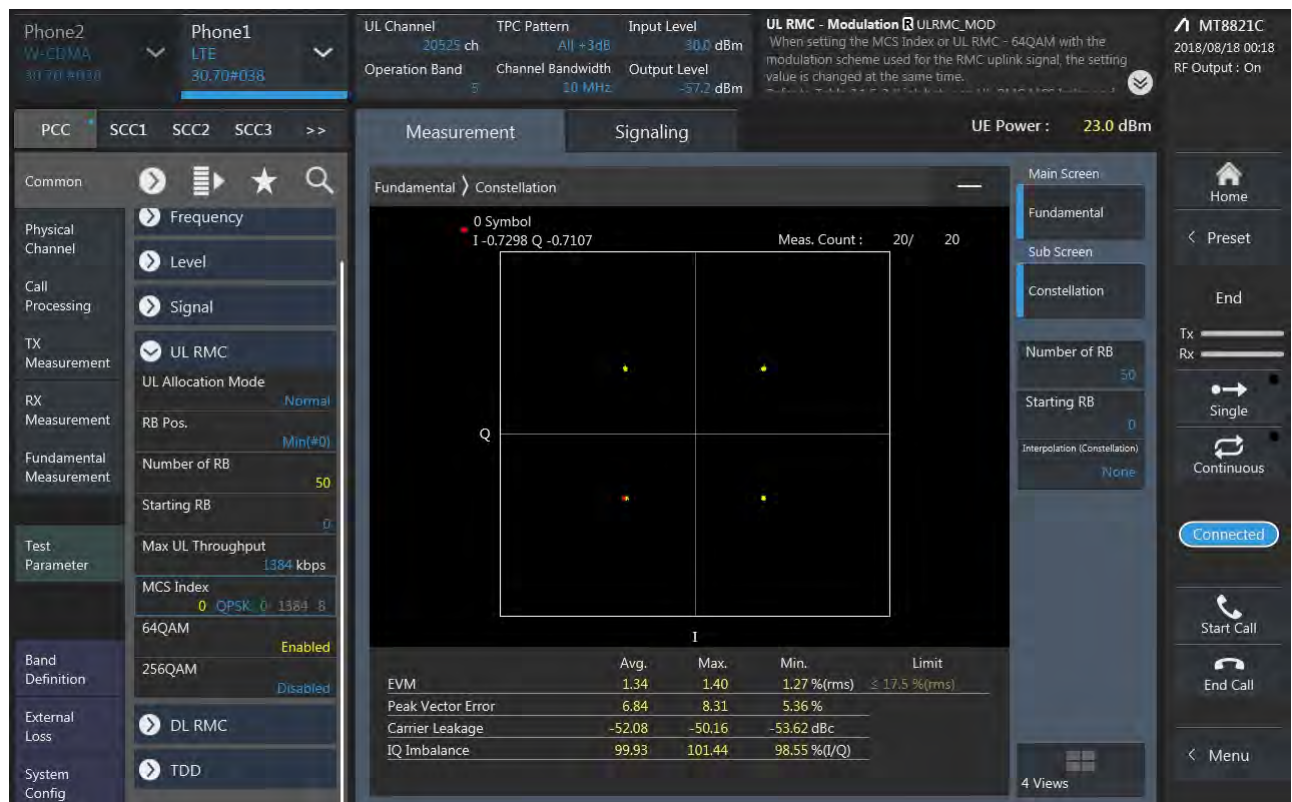


3. Modulation Characteristics

3.1. Test BAND = LTE BAND5

3.1.1. Test Mode = LTE /TM1 10MHz

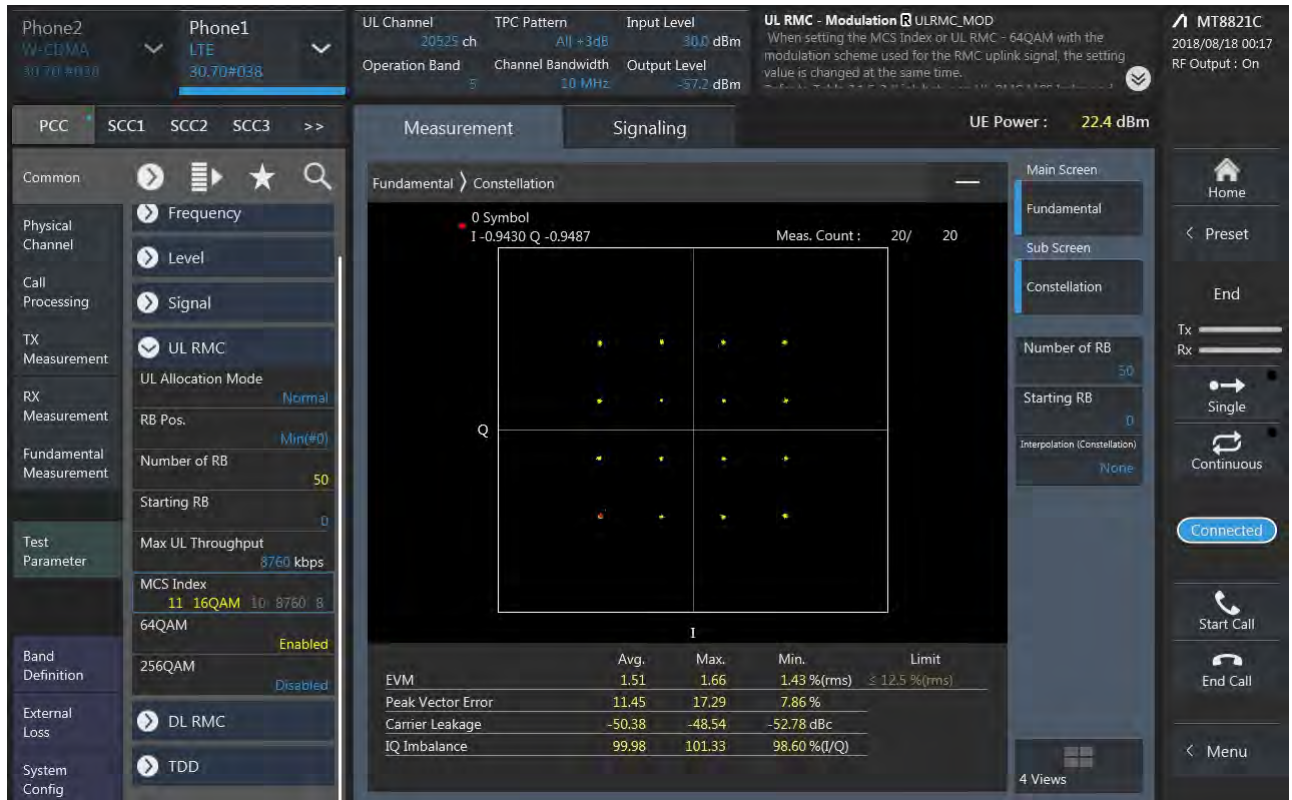
3.1.1.1. Test Channel = MCH





3.1.2. Test Mode = LTE /TM2 10MHz

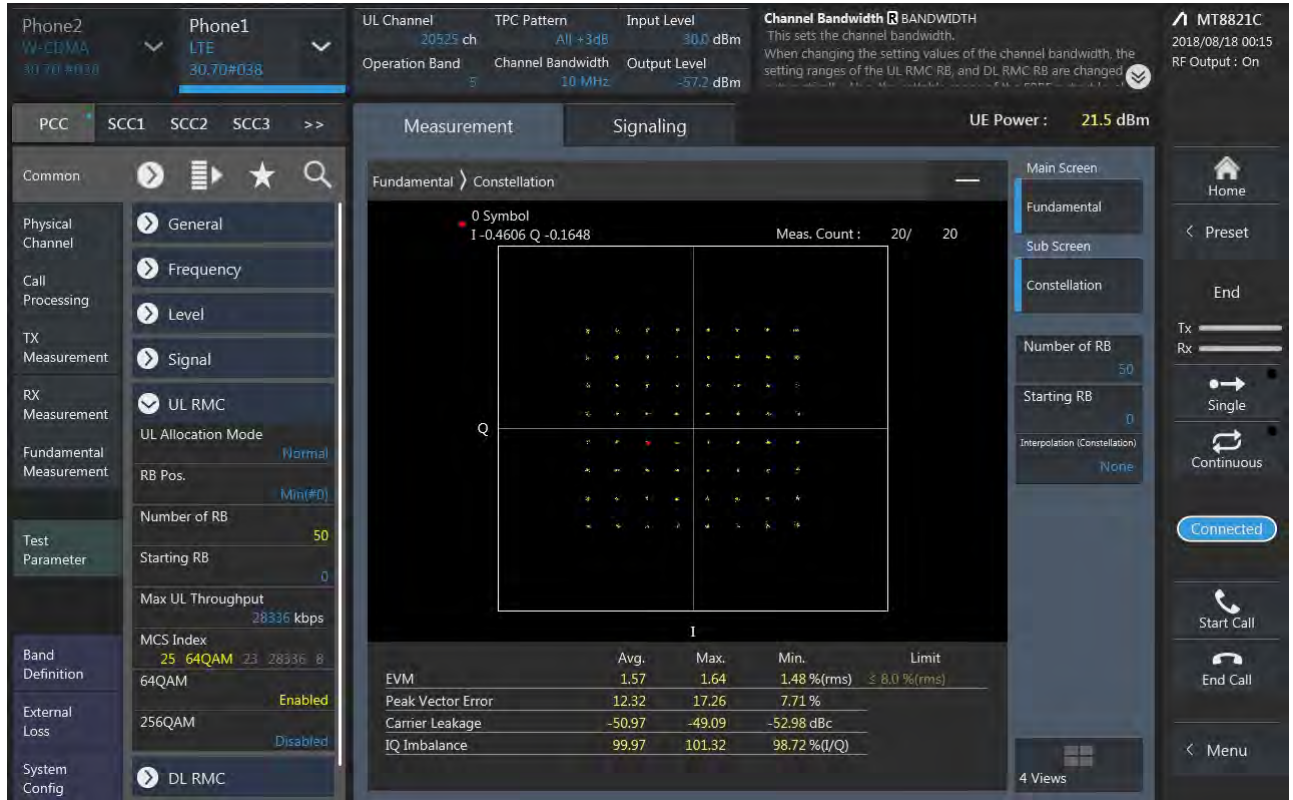
3.1.2.1. Test Channel = MCH





3.1.1. Test Mode = LTE /TM3 10MHz

3.1.1.1. 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	1.242	PASS
BAND5	1.4MHz	QPSK	20525	6RB#0	1.1	1.248	PASS
BAND5	1.4MHz	QPSK	20643	6RB#0	1.097	1.248	PASS
BAND5	1.4MHz	64QAM	20407	6RB#0	1.094	1.245	PASS
BAND5	1.4MHz	64QAM	20525	6RB#0	1.094	1.251	PASS
BAND5	1.4MHz	64QAM	20643	6RB#0	1.094	1.242	PASS
BAND5	1.4MHz	16QAM	20407	6RB#0	1.094	1.242	PASS
BAND5	1.4MHz	16QAM	20525	6RB#0	1.094	1.254	PASS
BAND5	1.4MHz	16QAM	20643	6RB#0	1.094	1.242	PASS
BAND5	3MHz	QPSK	20415	15RB#0	2.697	2.970	PASS
BAND5	3MHz	QPSK	20525	15RB#0	2.697	2.982	PASS
BAND5	3MHz	QPSK	20635	15RB#0	2.703	2.970	PASS
BAND5	3MHz	64QAM	20415	15RB#0	2.697	2.976	PASS
BAND5	3MHz	64QAM	20525	15RB#0	2.697	2.970	PASS
BAND5	3MHz	64QAM	20635	15RB#0	2.697	2.970	PASS
BAND5	3MHz	16QAM	20415	15RB#0	2.691	2.946	PASS
BAND5	3MHz	16QAM	20525	15RB#0	2.691	2.970	PASS
BAND5	3MHz	16QAM	20635	15RB#0	2.697	2.994	PASS
BAND5	5MHz	QPSK	20425	25RB#0	4.476	4.910	PASS
BAND5	5MHz	QPSK	20525	25RB#0	4.476	4.920	PASS
BAND5	5MHz	QPSK	20625	25RB#0	4.476	4.910	PASS
BAND5	5MHz	64QAM	20425	25RB#0	4.476	4.910	PASS
BAND5	5MHz	64QAM	20525	25RB#0	4.466	4.920	PASS
BAND5	5MHz	64QAM	20625	25RB#0	4.466	4.910	PASS
BAND5	5MHz	16QAM	20425	25RB#0	4.476	4.910	PASS
BAND5	5MHz	16QAM	20525	25RB#0	4.486	4.920	PASS
BAND5	5MHz	16QAM	20625	25RB#0	4.486	4.930	PASS
BAND5	10MHz	QPSK	20450	50RB#0	8.951	9.740	PASS
BAND5	10MHz	QPSK	20525	50RB#0	8.931	9.760	PASS
BAND5	10MHz	QPSK	20600	50RB#0	8.931	9.760	PASS
BAND5	10MHz	64QAM	20450	50RB#0	8.951	9.760	PASS
BAND5	10MHz	64QAM	20525	50RB#0	8.911	9.800	PASS
BAND5	10MHz	64QAM	20600	50RB#0	8.951	9.740	PASS



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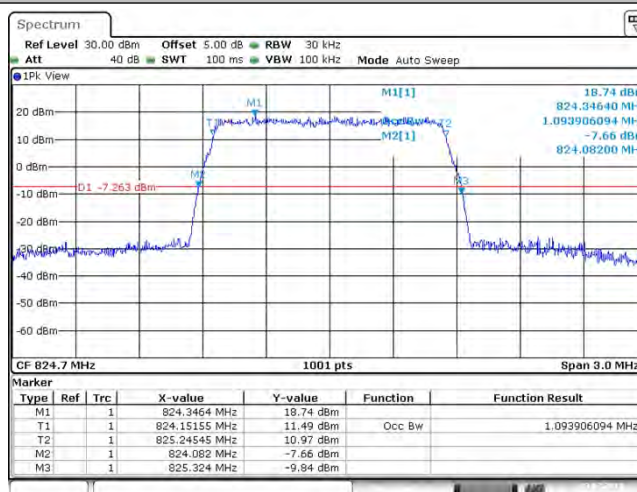
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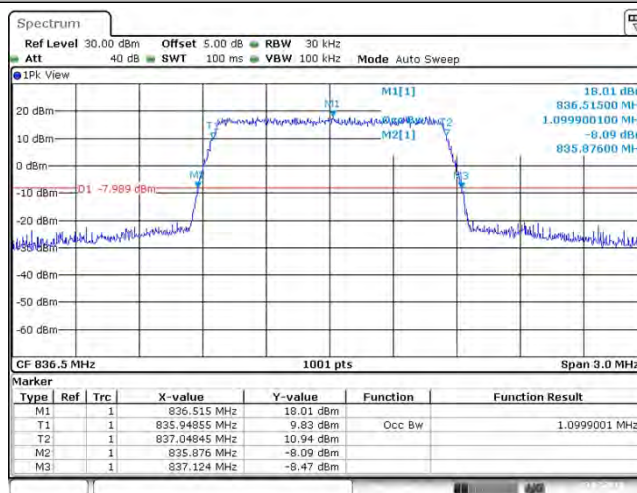
BAND5	10MHz	16QAM	20450	50RB#0	8.951	9.740	PASS
BAND5	10MHz	16QAM	20525	50RB#0	8.951	9.800	PASS
BAND5	10MHz	16QAM	20600	50RB#0	8.931	9.740	PASS

4.2. Test Plots

BAND5_1.4MHz_QPSK_20407_6RB#0



BAND5_1.4MHz_QPSK_20525_6RB#0



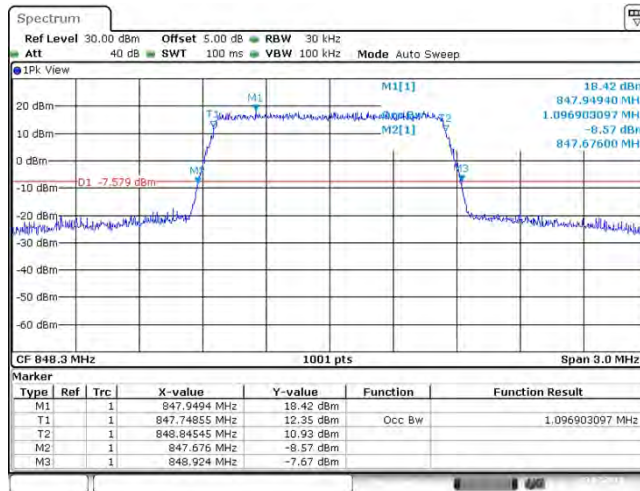
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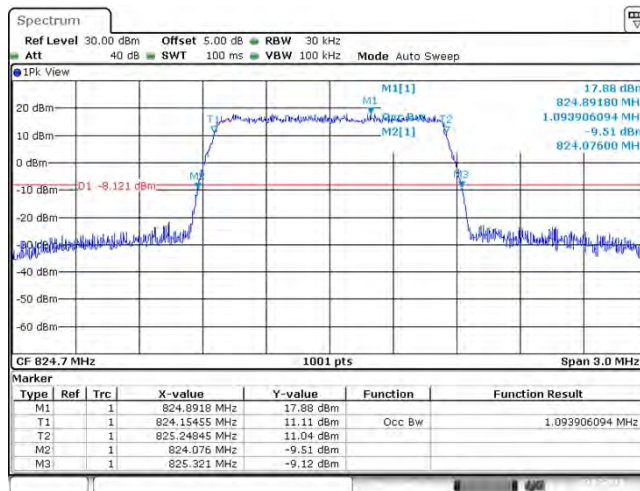
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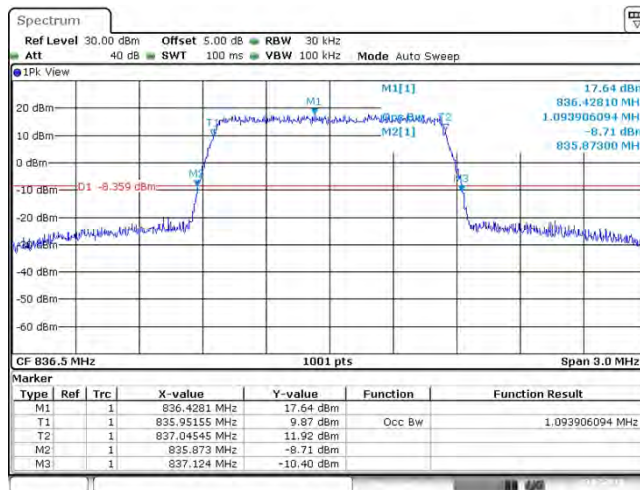
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BAND5_1.4MHz_64QAM_20407_6RB#0



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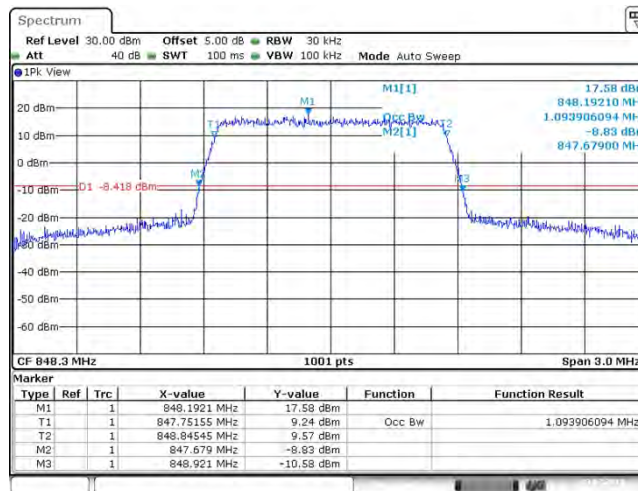
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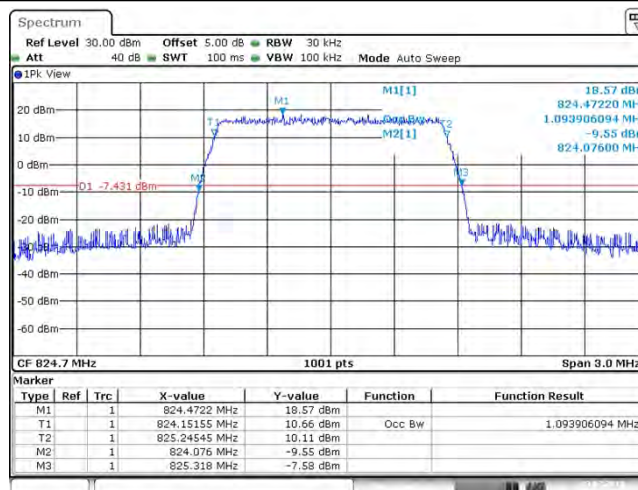
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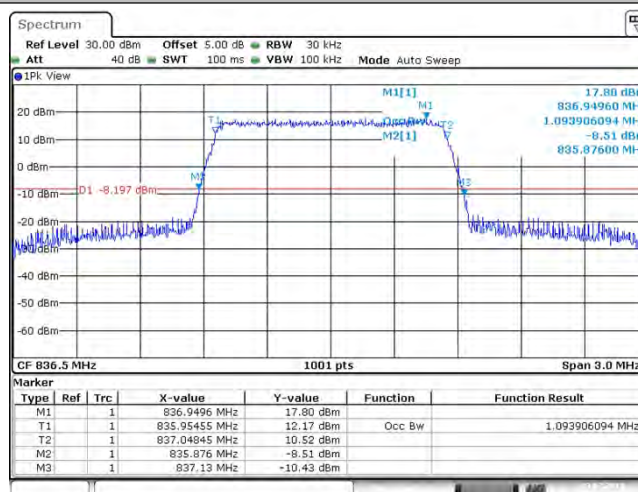
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BAND5_1.4MHz_16QAM_20525_6RB#0



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BAND5_1.4MHz_16QAM_20643_6RB#0

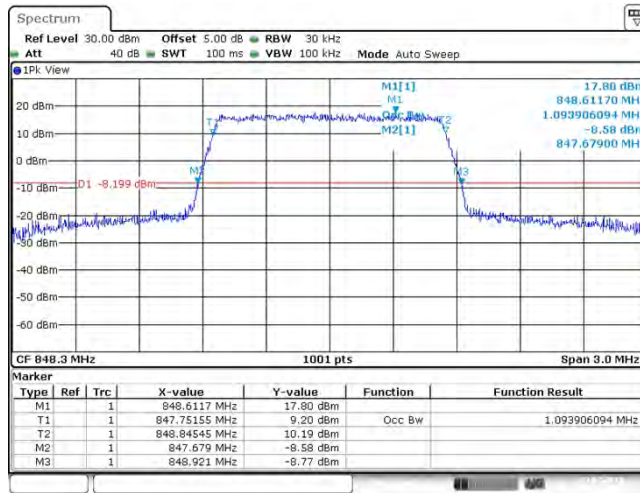
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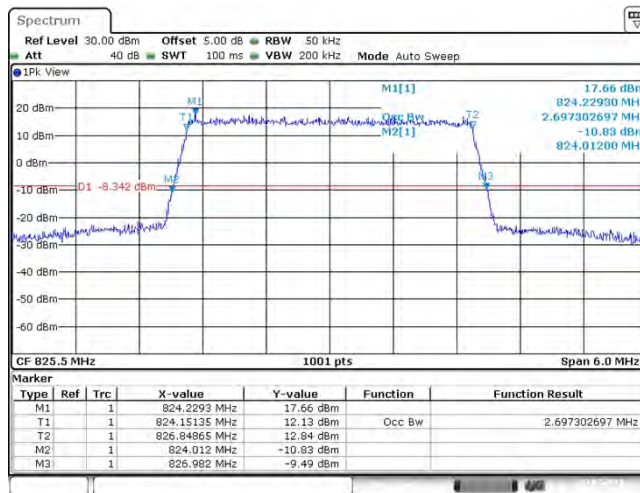
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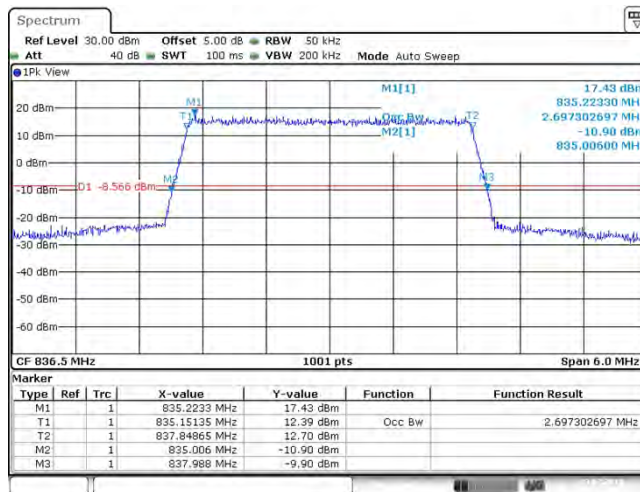
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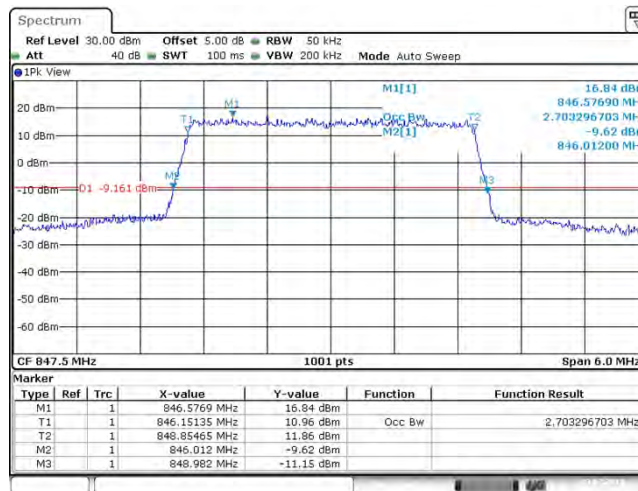
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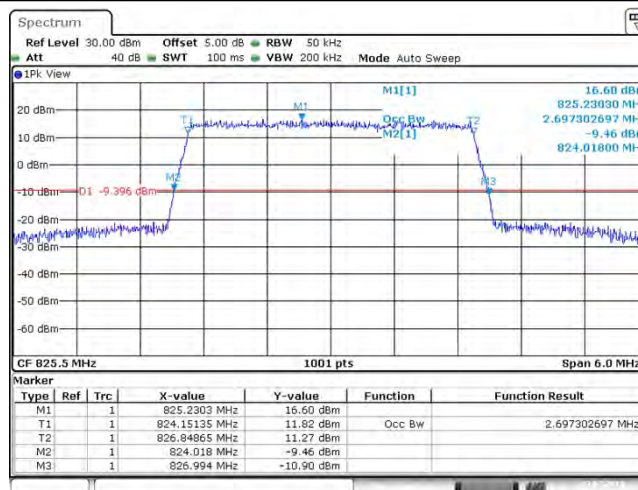
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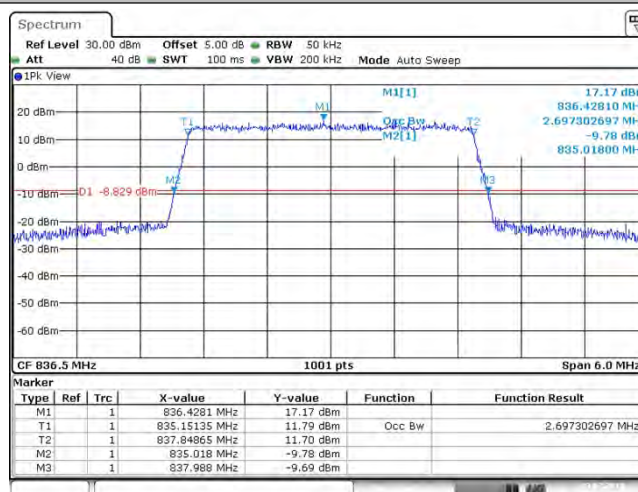
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BAND5_3MHz_64QAM_20415_15RB#0



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Date: 23 JUL 2018 16:53:41

BAND5_3MHz_64QAM_20635_15RB#0

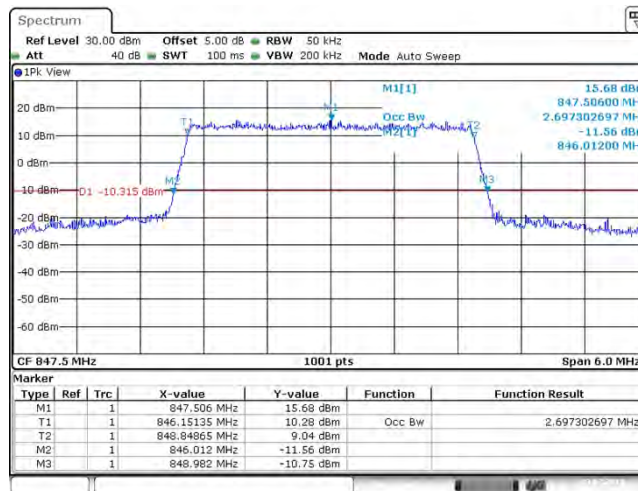
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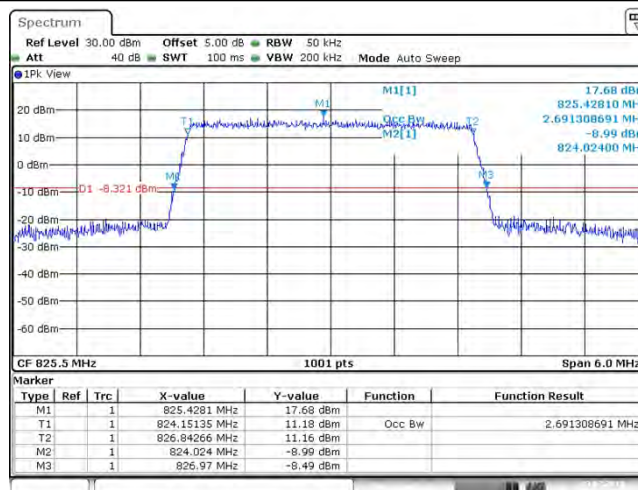
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: SZEM180700654901

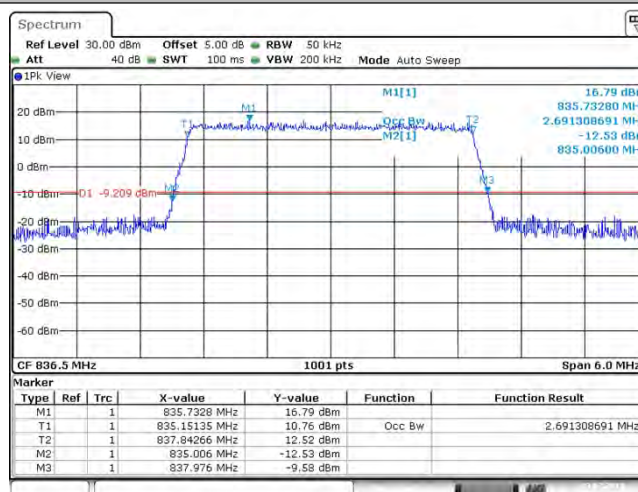
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BAND5_3MHz_16QAM_20415_15RB#0



BAND5_3MHz_16QAM_20525_15RB#0



BAND5_3MHz_16QAM_20635_15RB#0

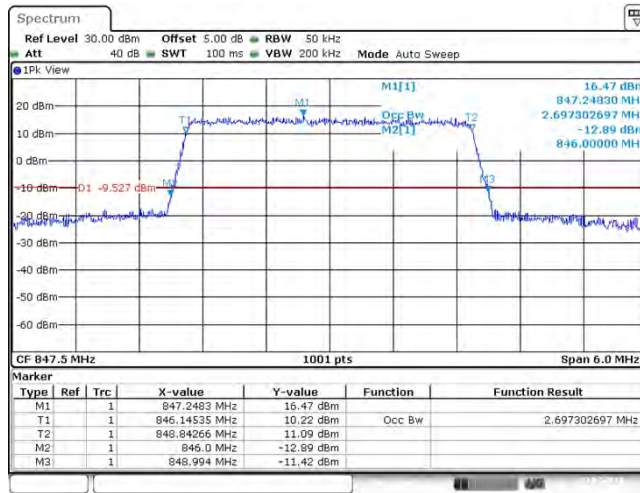
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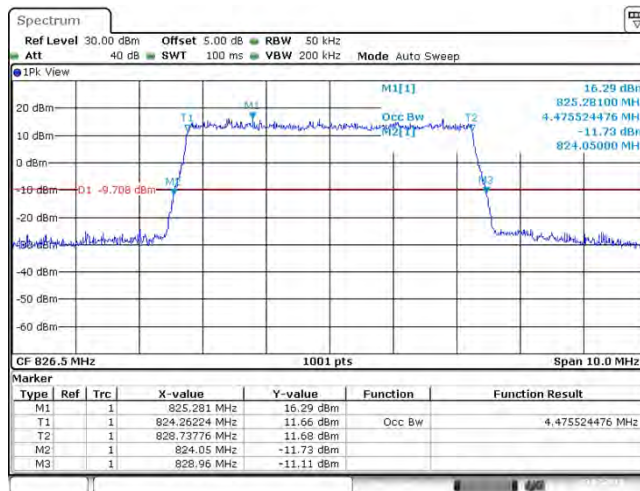
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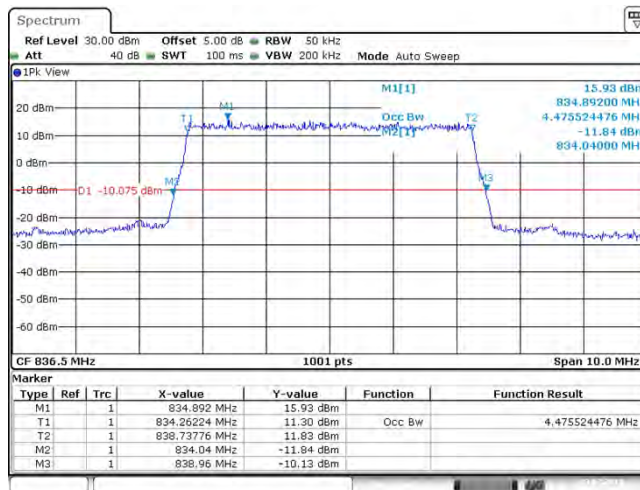
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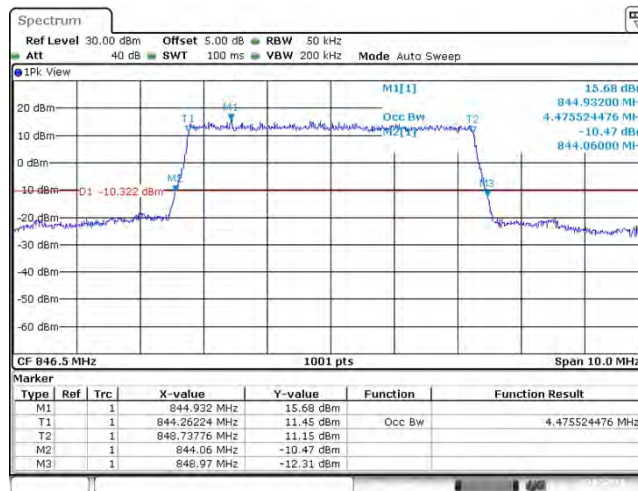
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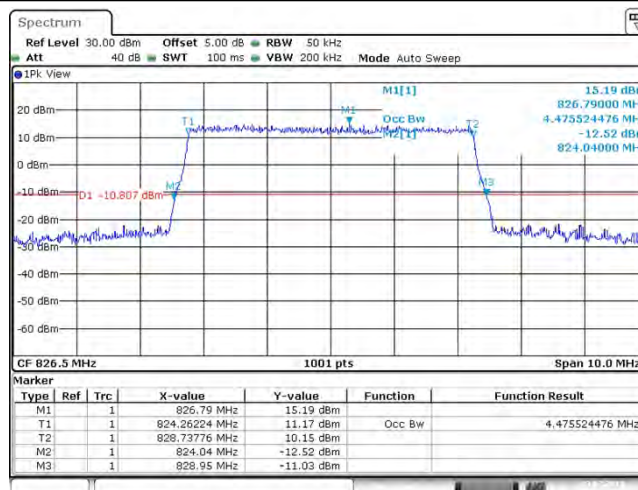
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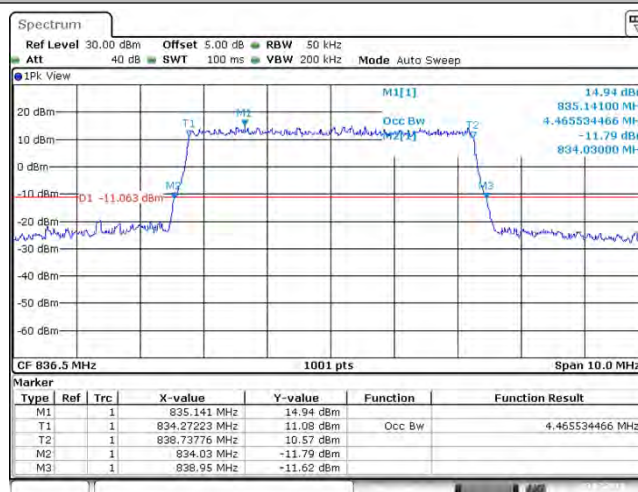
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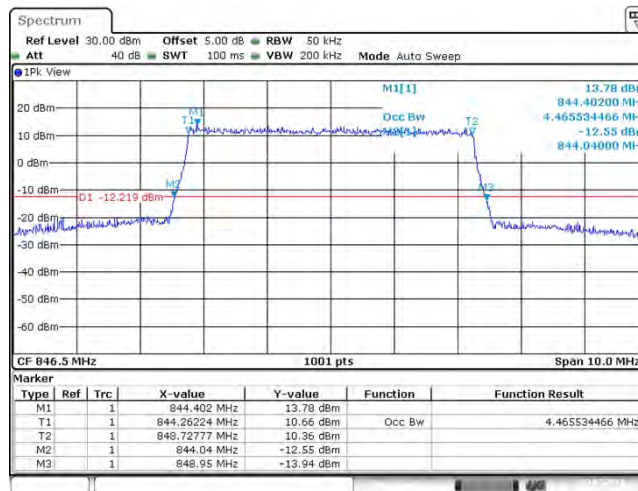
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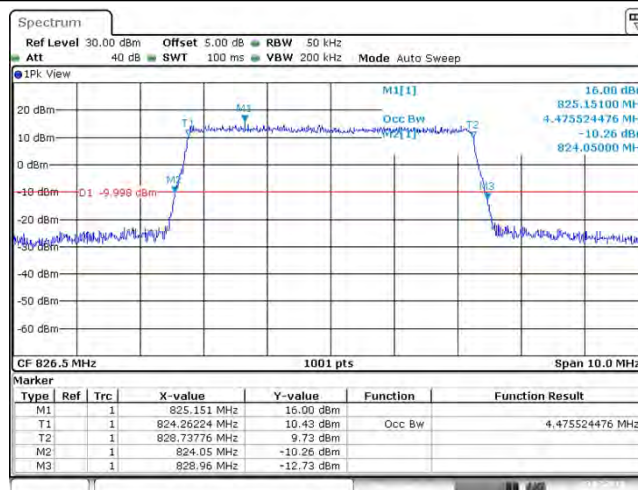
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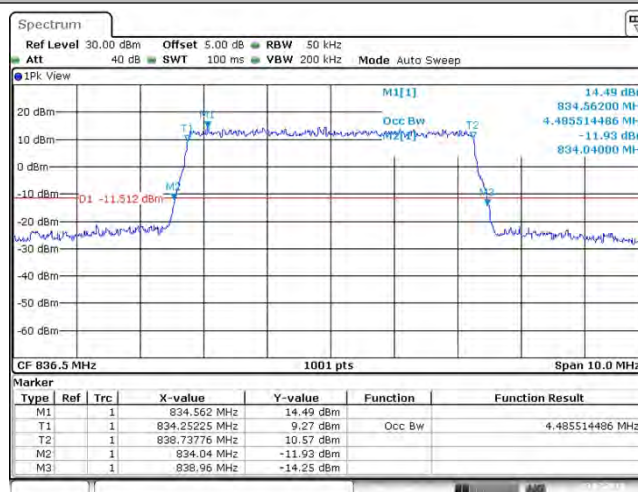
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BAND5_5MHz_16QAM_20425_25RB#0



BAND5_5MHz_16QAM_20525_25RB#0



BAND5_5MHz_16QAM_20625_25RB#0

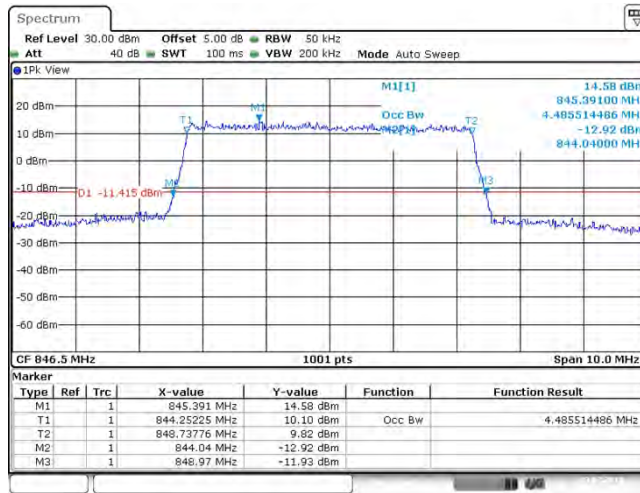
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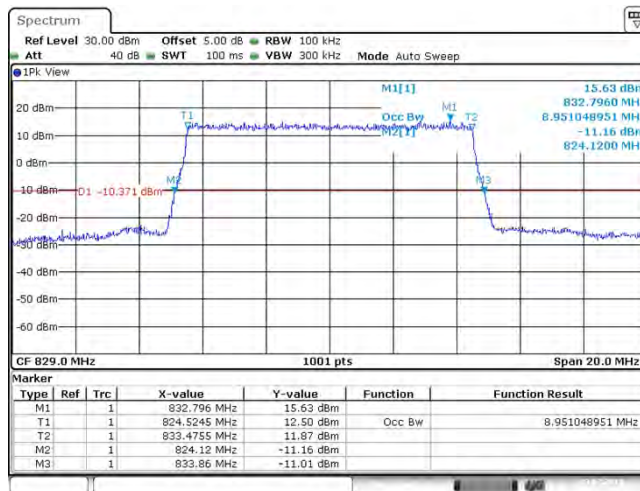
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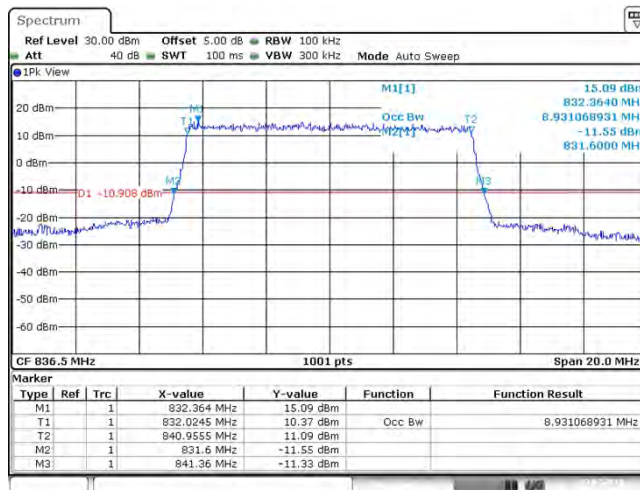
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Date: 23 JUL 2018 16:57:39

BAND5_10MHz_QPSK_20525_50RB#0



Date: 23 JUL 2018 16:58:17

BAND5_10MHz_QPSK_20600_50RB#0

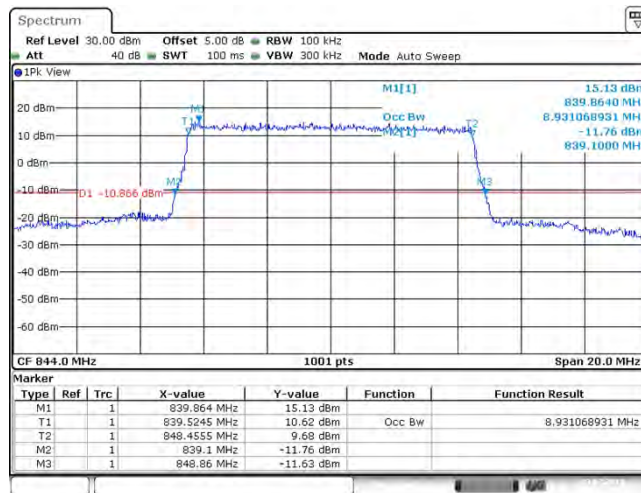
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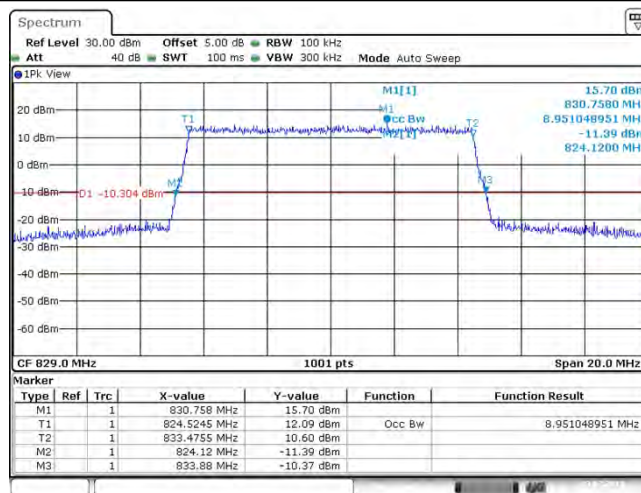
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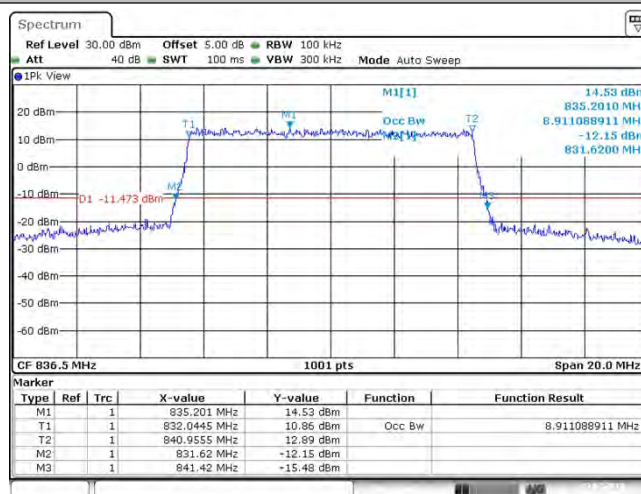
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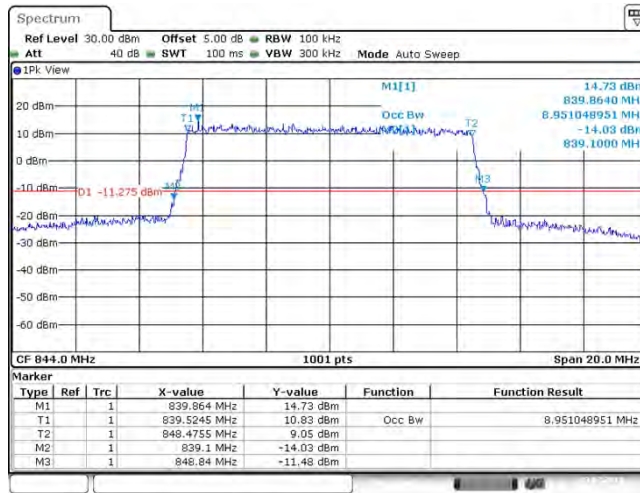
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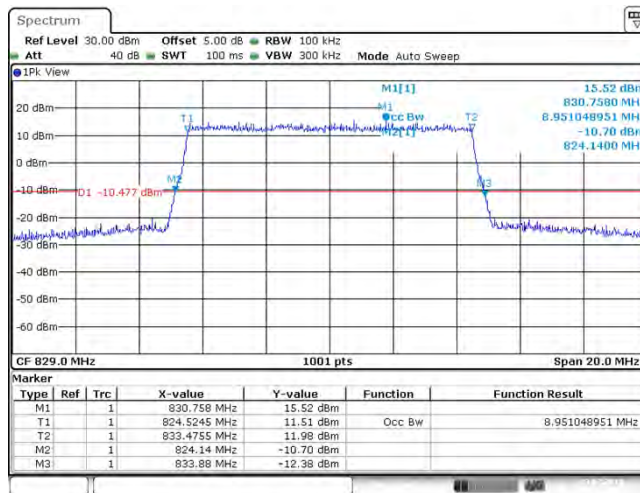
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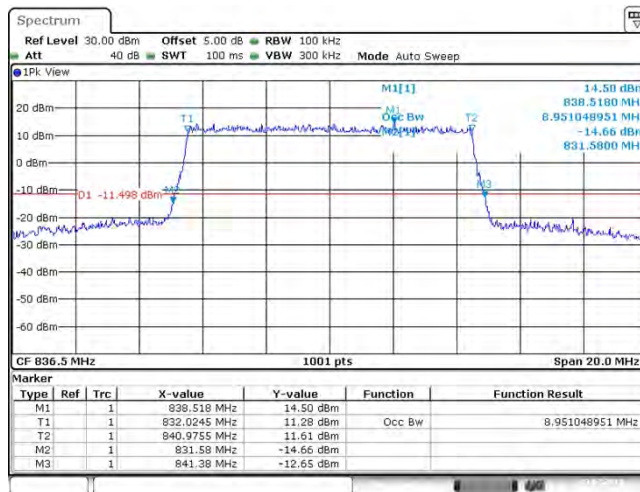
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Date: 23 JUL 2018 16:58:29

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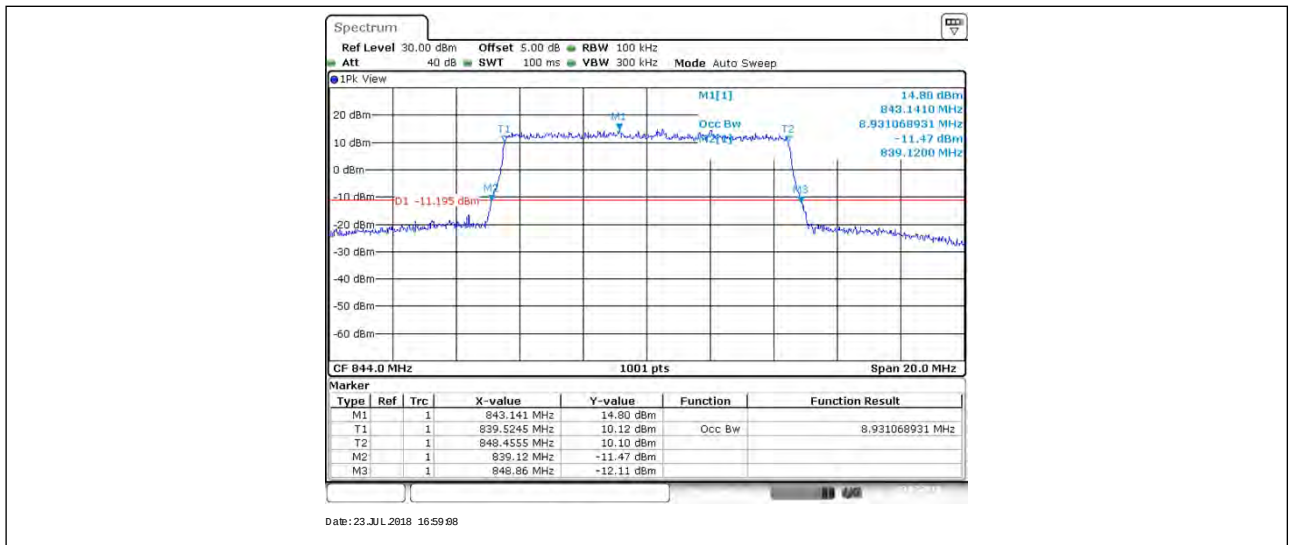
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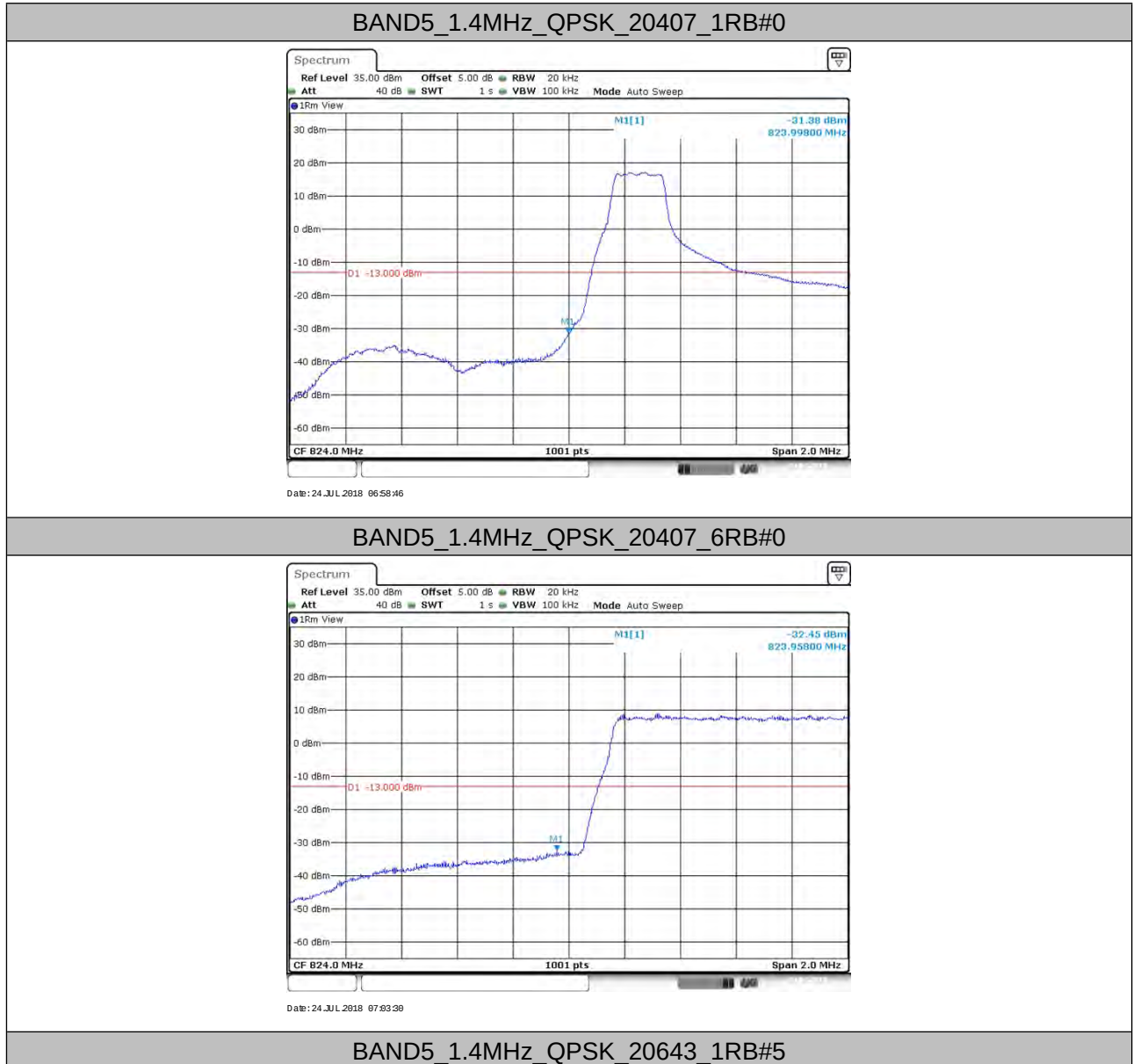
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5. Band Edge Compliance

5.1. Test Plots





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Date: 24 JUL 2018 07:51:08

BAND5_1.4MHz_QPSK_20643_6RB#0



Date: 24 JUL 2018 07:55:48

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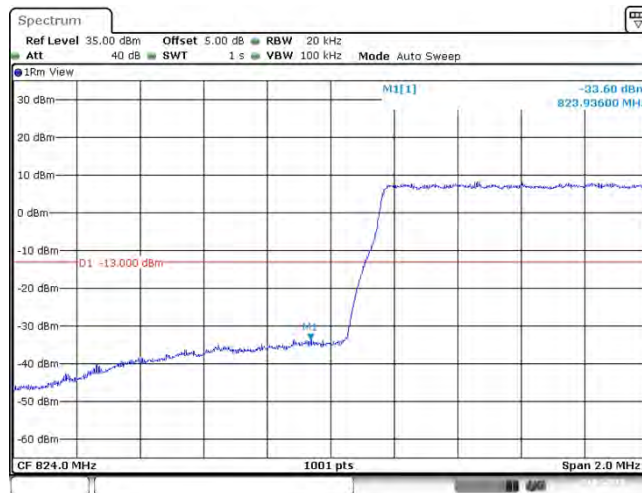
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Date: 24 JUL 2018 07:55:02

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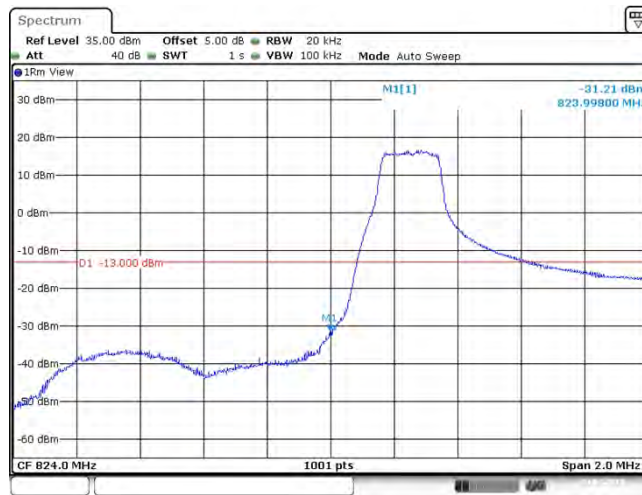
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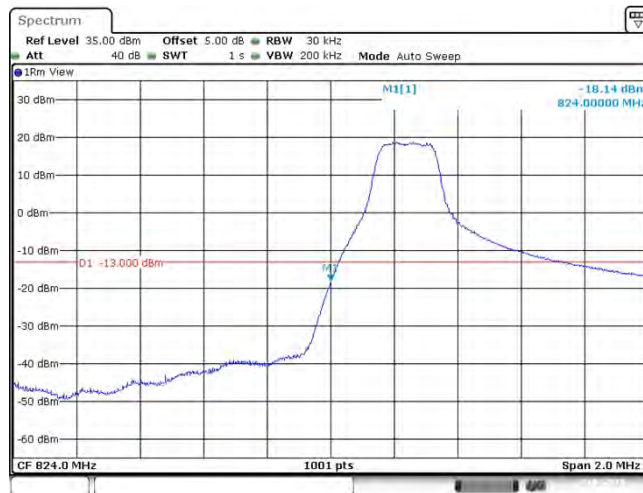
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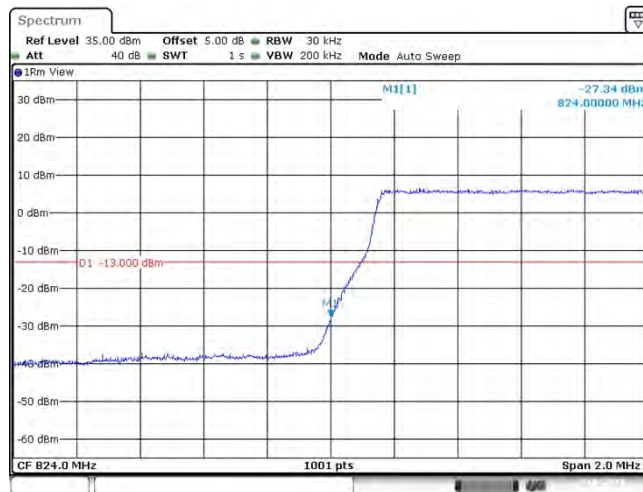
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Date: 24 JUL 2018 07:12:57

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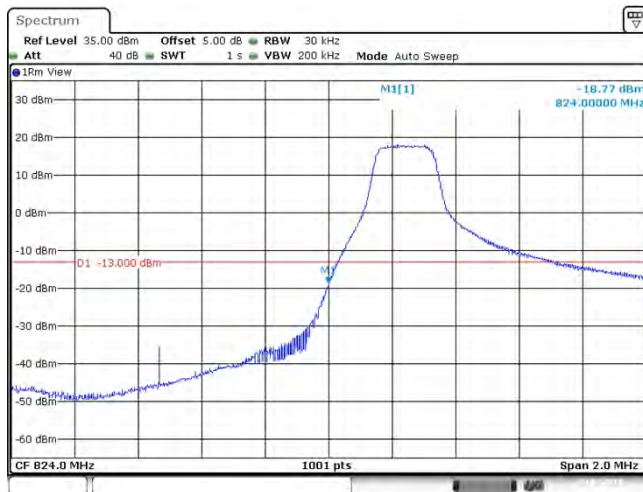
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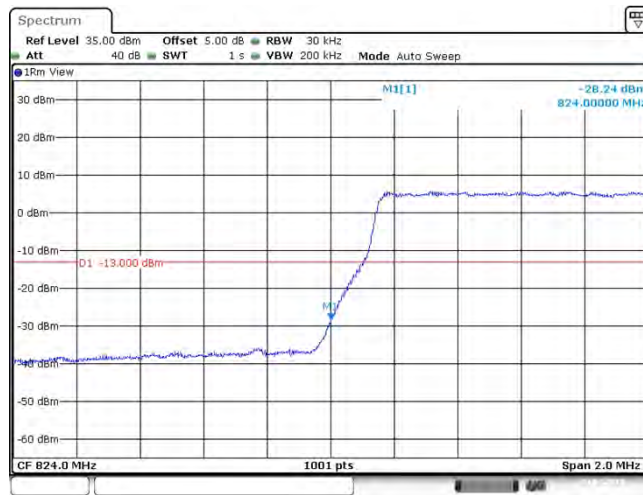
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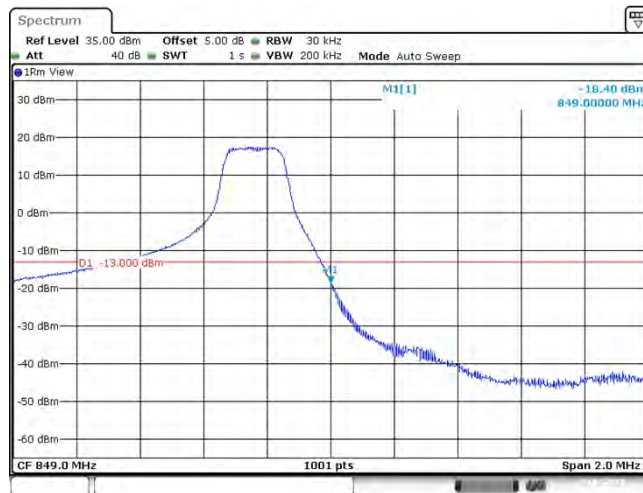
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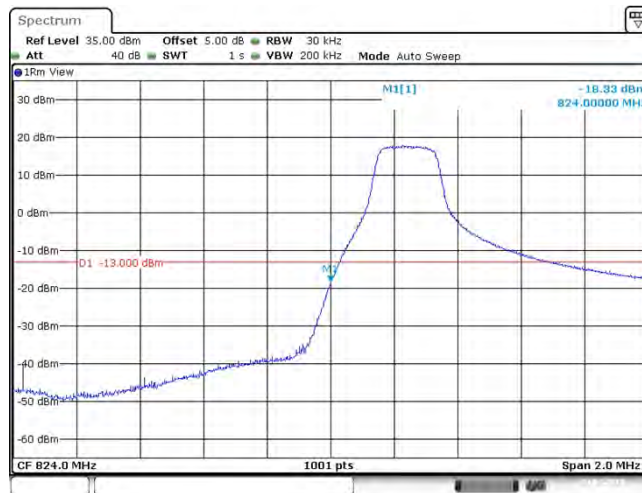
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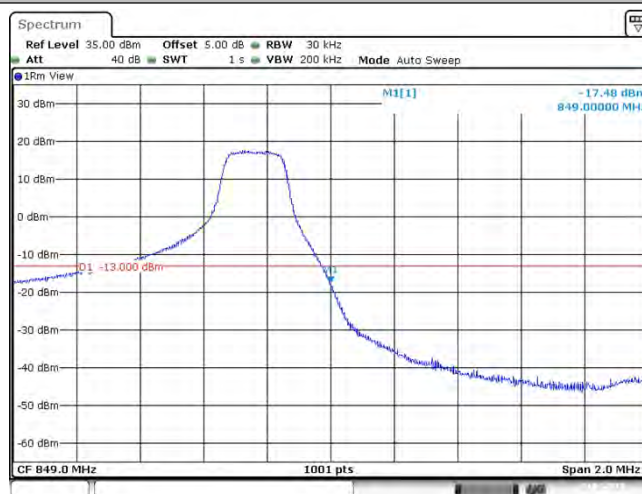
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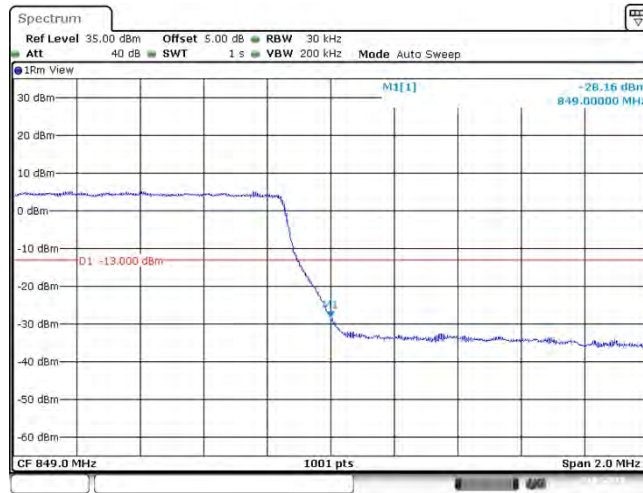
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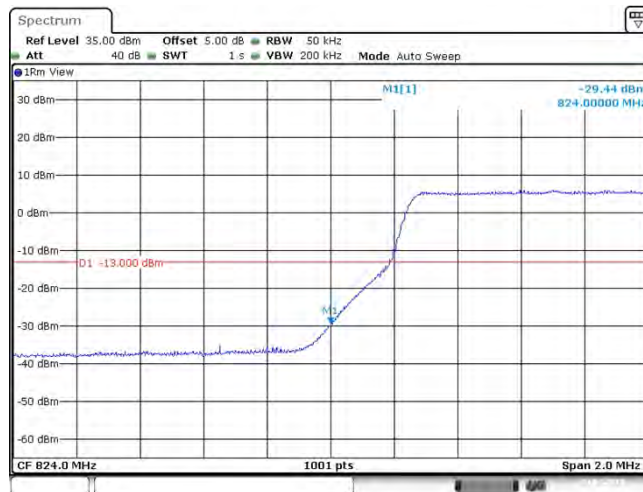
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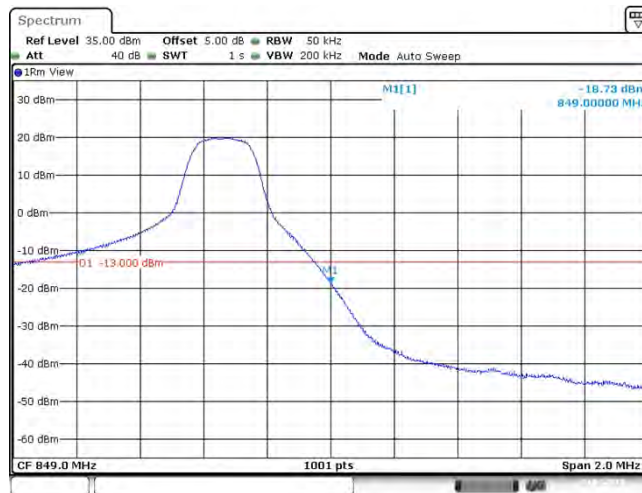
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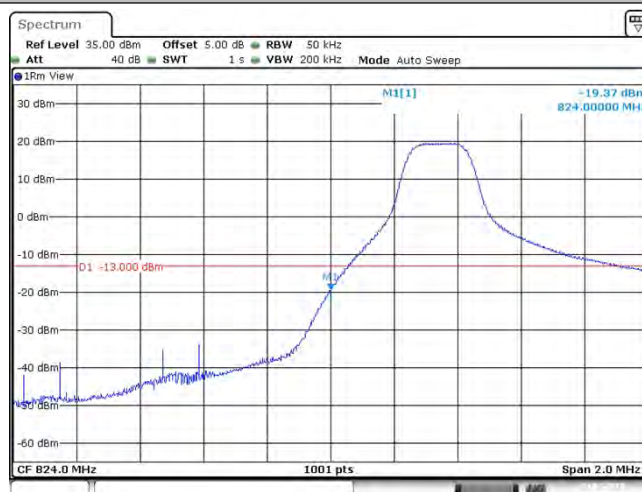
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Date: 24 JUL 2018 07:19:30

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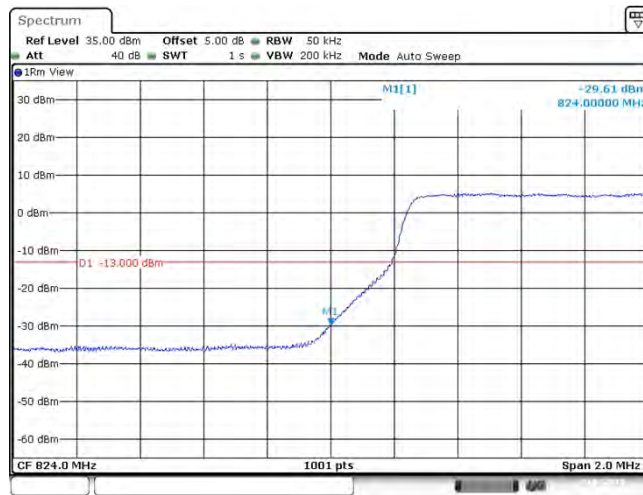
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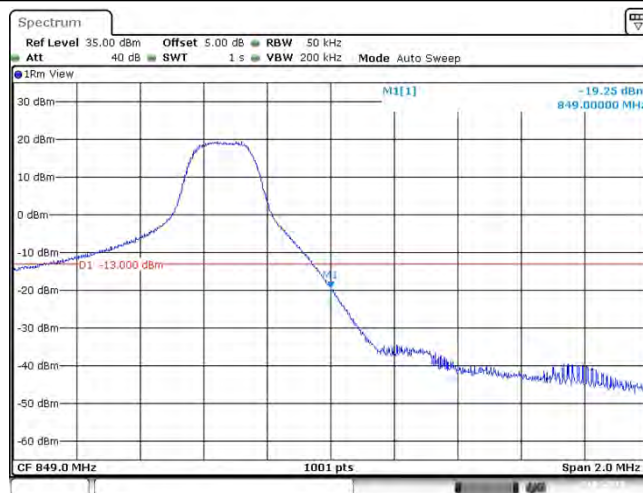
Report No.: SZEM180700654901

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Date: 24 JUL 2018 07:23:56

BAND5_5MHz_64QAM_20625_1RB#24



Date: 24 JUL 2018 07:21:33

BAND5_5MHz_64QAM_20625_25RB#0



Date: 24 JUL 2018 07:26:14

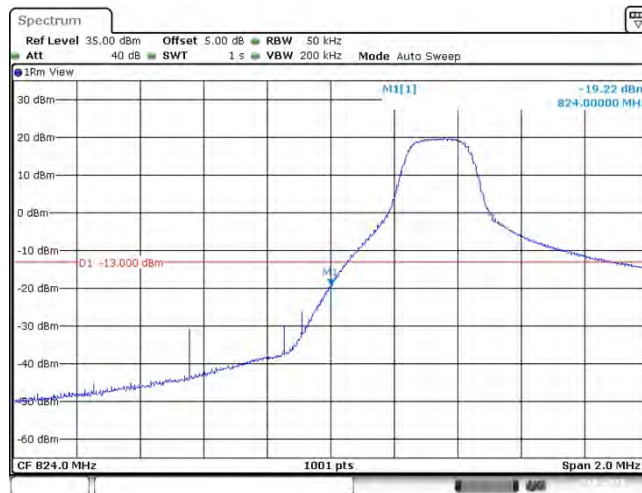
BAND5_5MHz_16QAM_20425_1RB#0



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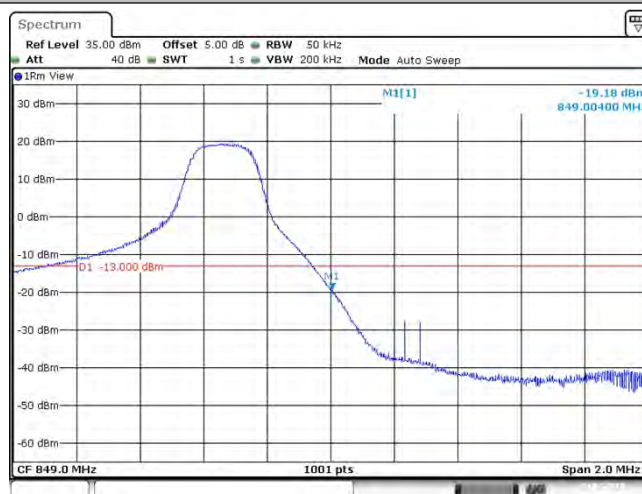
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BAND5_5MHz_16QAM_20425_25RB#0



Date: 24 JUL 2018 07:23:18

BAND5_5MHz_16QAM_20625_1RB#24



Date: 24 JUL 2018 07:26:47

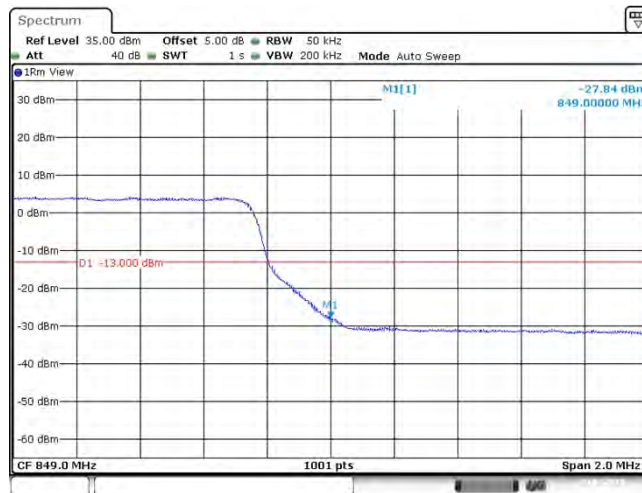
BAND5_5MHz_16QAM_20625_25RB#0



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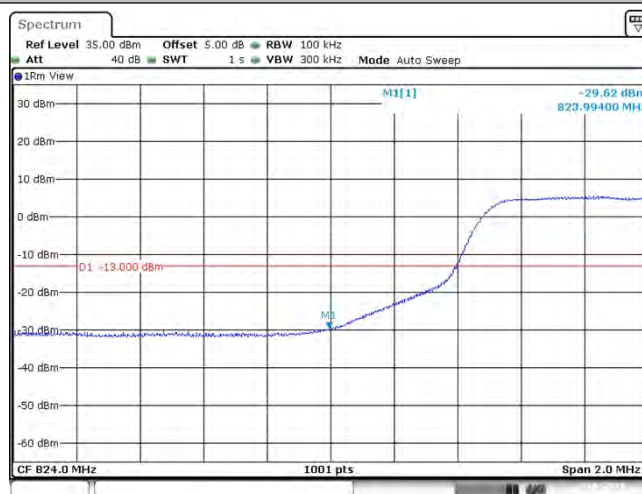
Date: 24 JUL 2018 07:25:28

BAND5_10MHz_QPSK_20450_1RB#0



Date: 24 JUL 2018 07:27:05

BAND5_10MHz_QPSK_20450_50RB#0



Date: 24 JUL 2018 07:31:55

BAND5_10MHz_QPSK_20600_1RB#49

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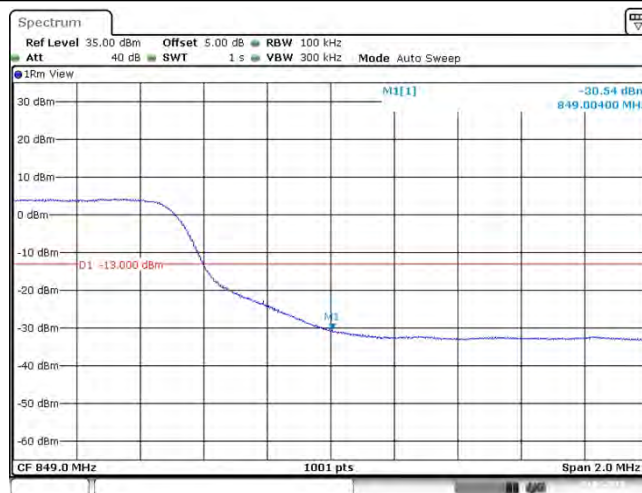
Report No.: SZEM180700654901

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Date: 24 JUL 2018 07:29:28

BAND5_10MHz_QPSK_20600_50RB#0



Date: 24 JUL 2018 07:34:14

BAND5_10MHz_64QAM_20450_1RB#0



Date: 24 JUL 2018 07:28:37

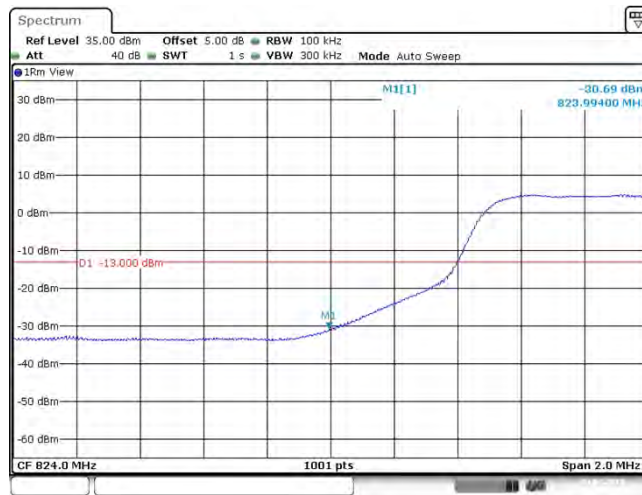
BAND5_10MHz_64QAM_20450_50RB#0



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Date: 24 JUL 2018 07:33:27

BAND5_10MHz_64QAM_20600_1RB#49



Date: 24 JUL 2018 07:31:09

BAND5_10MHz_64QAM_20600_50RB#0



Date: 24 JUL 2018 07:35:46

BAND5_10MHz_16QAM_20450_1RB#0

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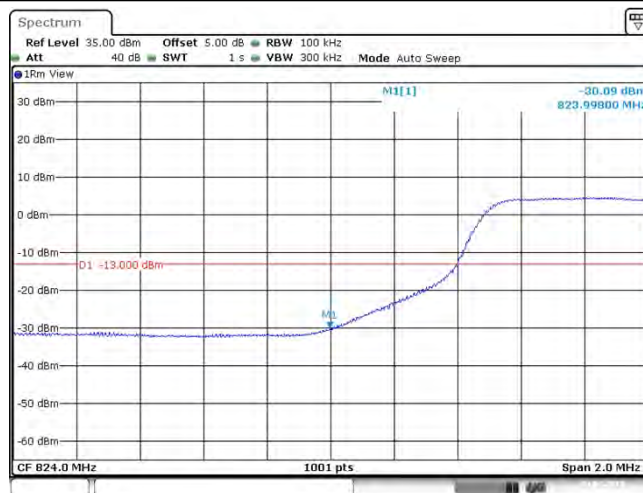
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Date: 24 JUL 2018 07:27:51

BAND5_10MHz_16QAM_20450_50RB#0



Date: 24 JUL 2018 07:32:41

BAND5_10MHz_16QAM_20600_1RB#49



Date: 24 JUL 2018 07:39:14

BAND5_10MHz_16QAM_20600_50RB#0



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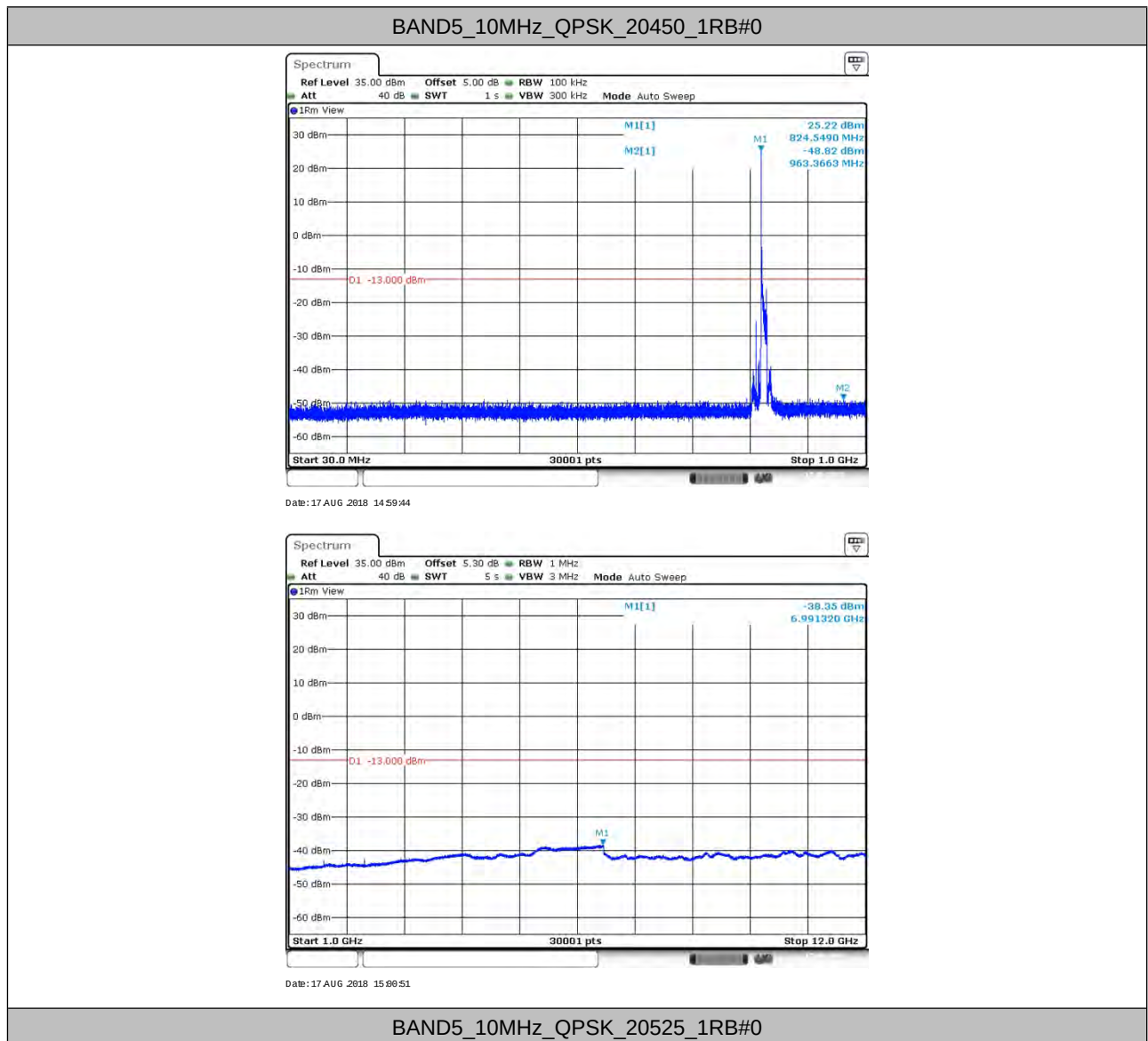


6. Spurious Emission at Antenna Terminal

NOTE1: 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.

NOTE2: only the worst case data displayed in this report.

6.1. Test Plots

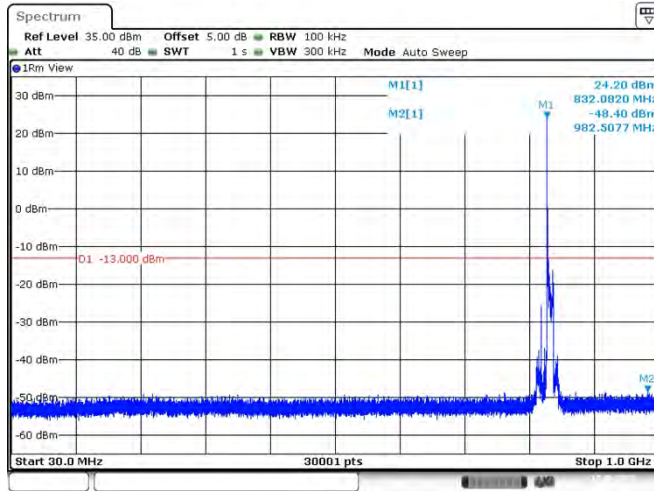




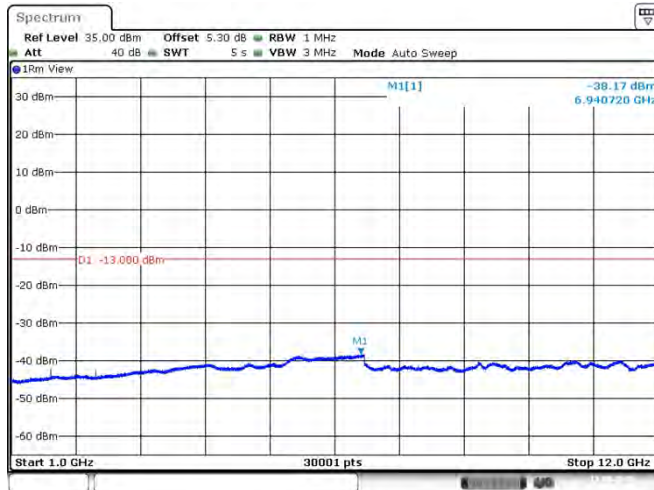
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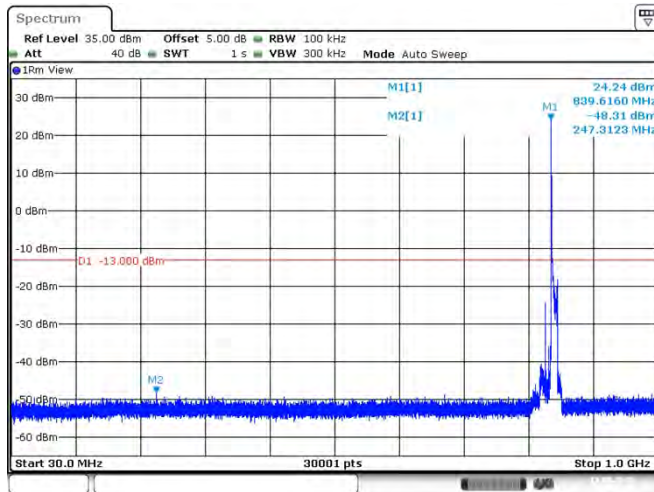


Date: 17 AUG 2018 15:04:05



Date: 17 AUG 2018 15:05:12

BAND5_10MHz_QPSK_20600_1RB#0



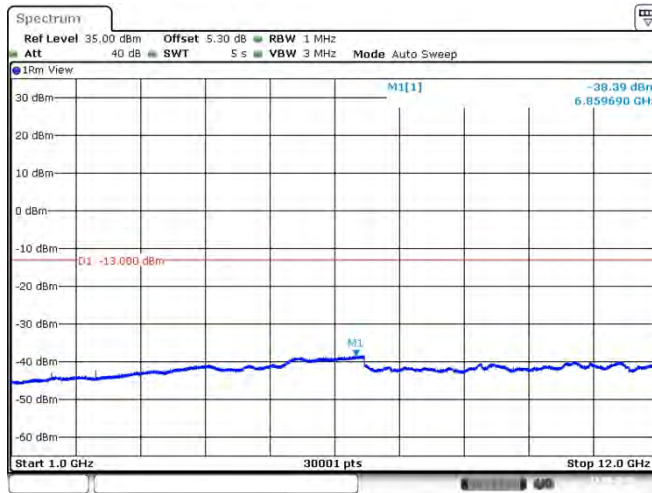
Date: 17 AUG 2018 15:08:26



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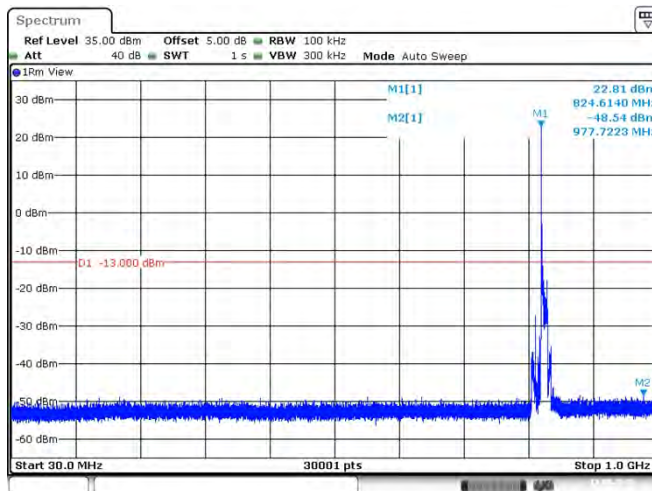
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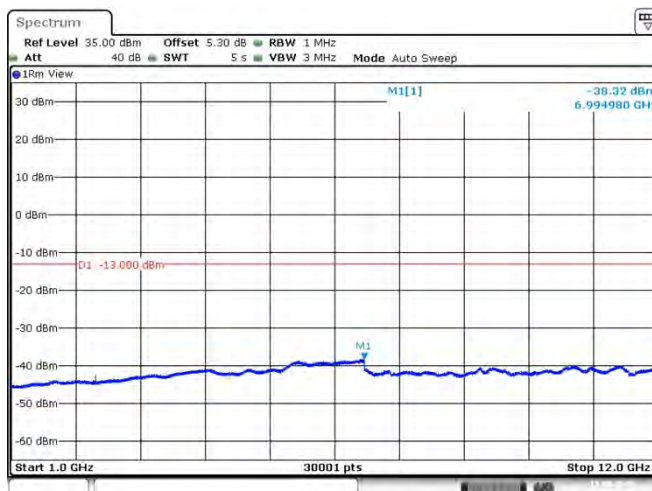


Date: 17 AUG 2018 15:09:34

BAND5_10MHz_64QAM_20450_1RB#0



Date: 17 AUG 2018 15:02:37



Date: 17 AUG 2018 15:03:45

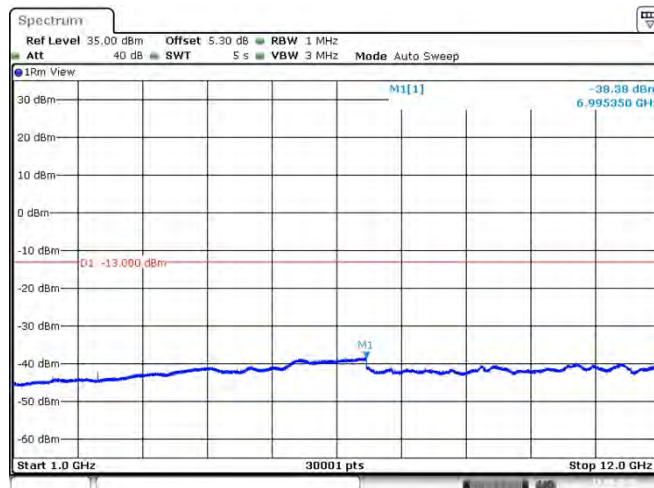
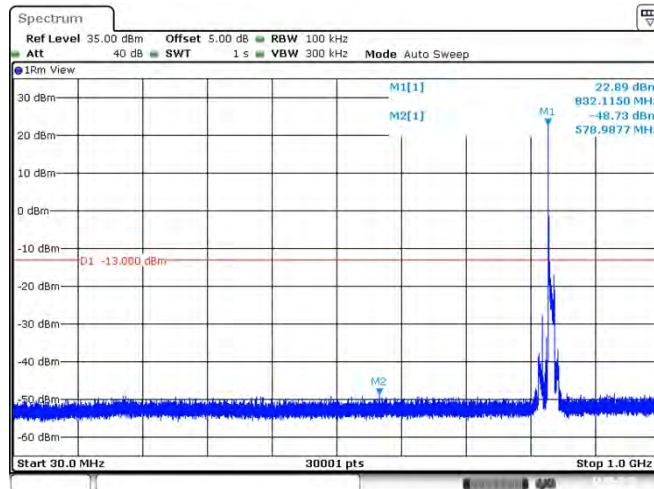
BAND5_10MHz_64QAM_20525_1RB#0



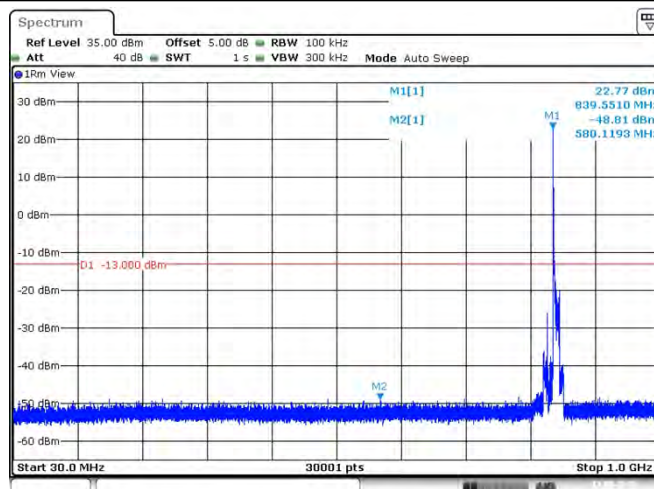
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BAND5_10MHz_64QAM_20600_1RB#0

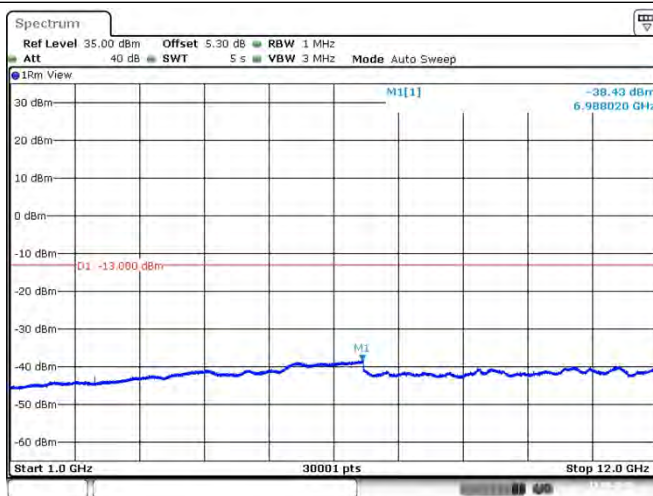




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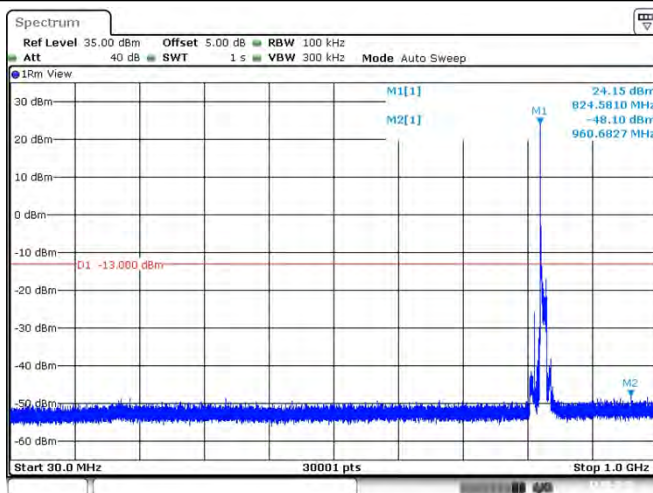
Report No.: SZEM180700654901

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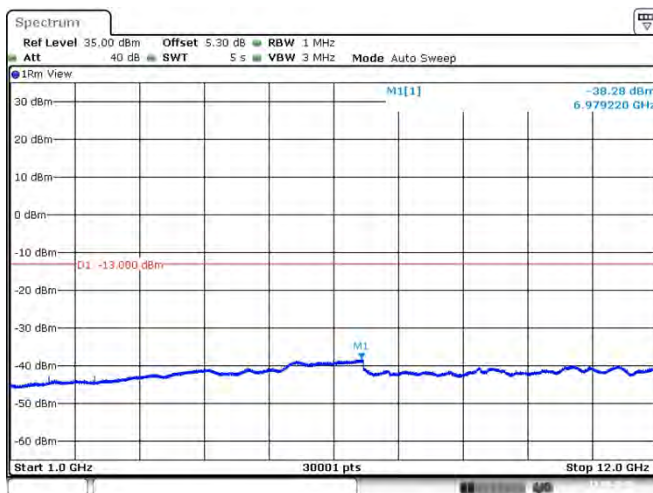


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BAND5_10MHz_16QAM_20450_1RB#0



Date: 17 AUG 2018 15:01:11



Date: 17 AUG 2018 15:02:18

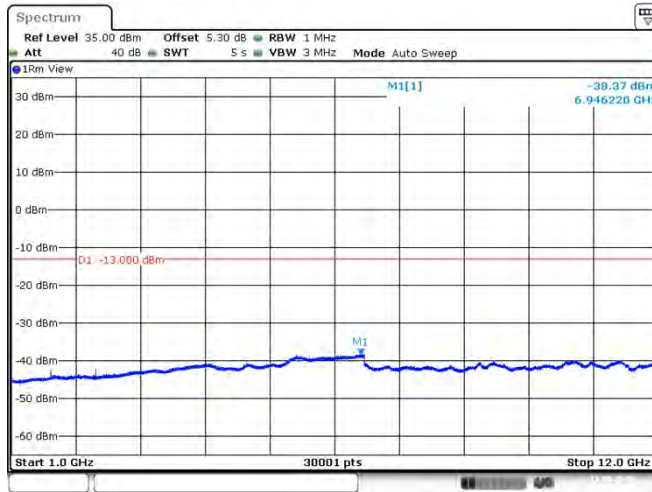
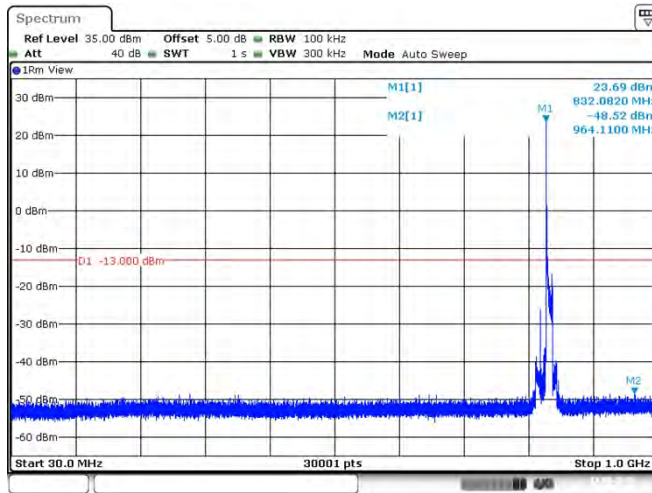
BAND5_10MHz_16QAM_20525_1RB#0



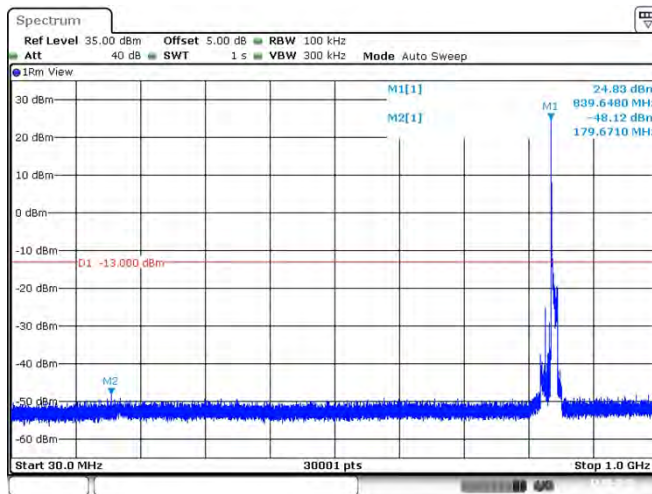
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BAND5_10MHz_16QAM_20600_1RB#0

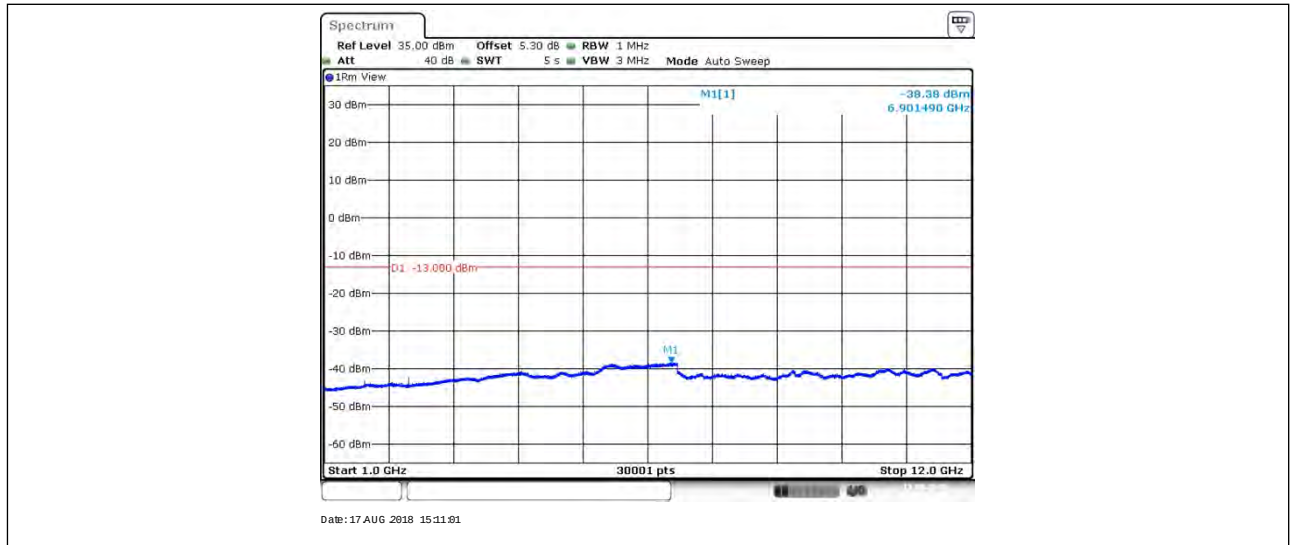




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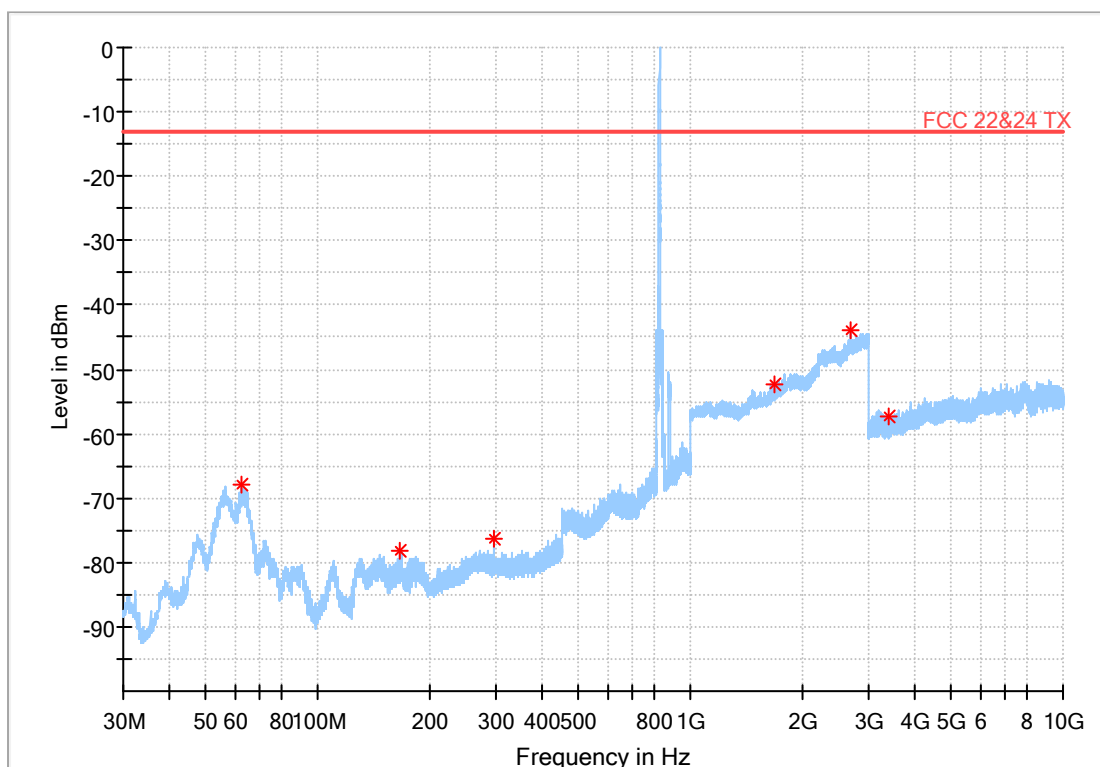
7. Field Strength of Spurious Radiation

7.1. Test BAND = LTE BAND 5-Main Antenna

7.1.1. Test Mode = LTE/TM1 10MHz

7.1.1.1. Test Channel = LCH-H

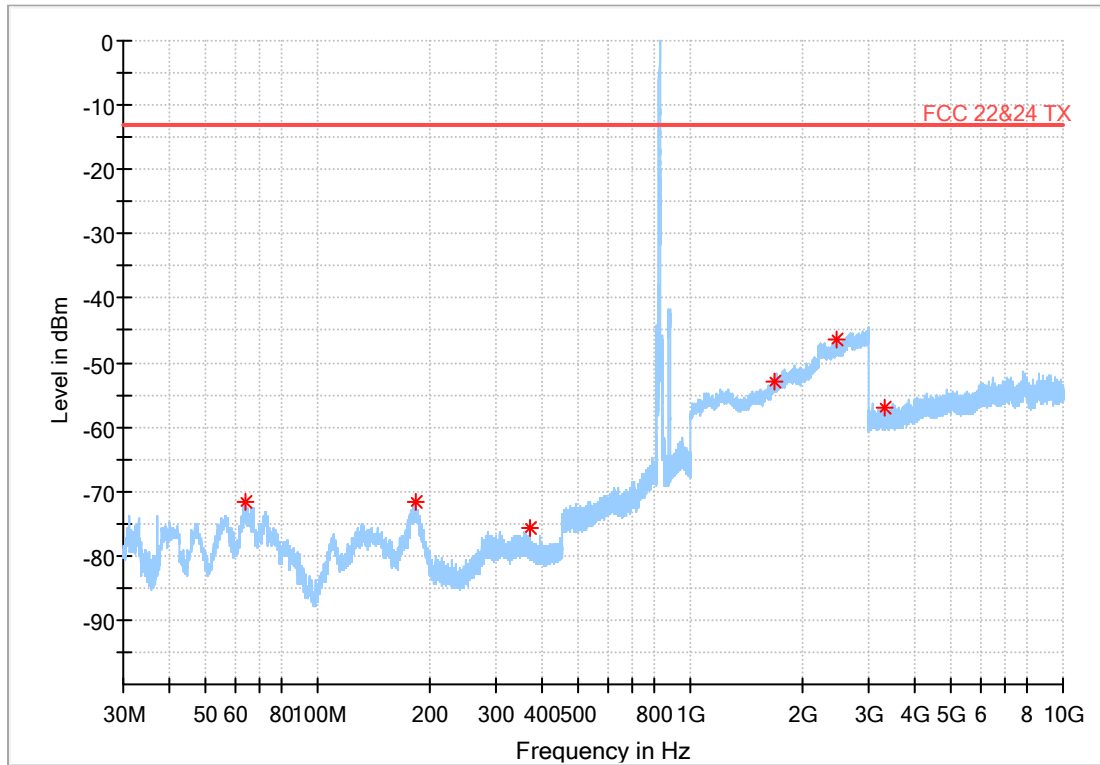
Full Spectrum





7.1.1.2. Test Channel = LCH-V

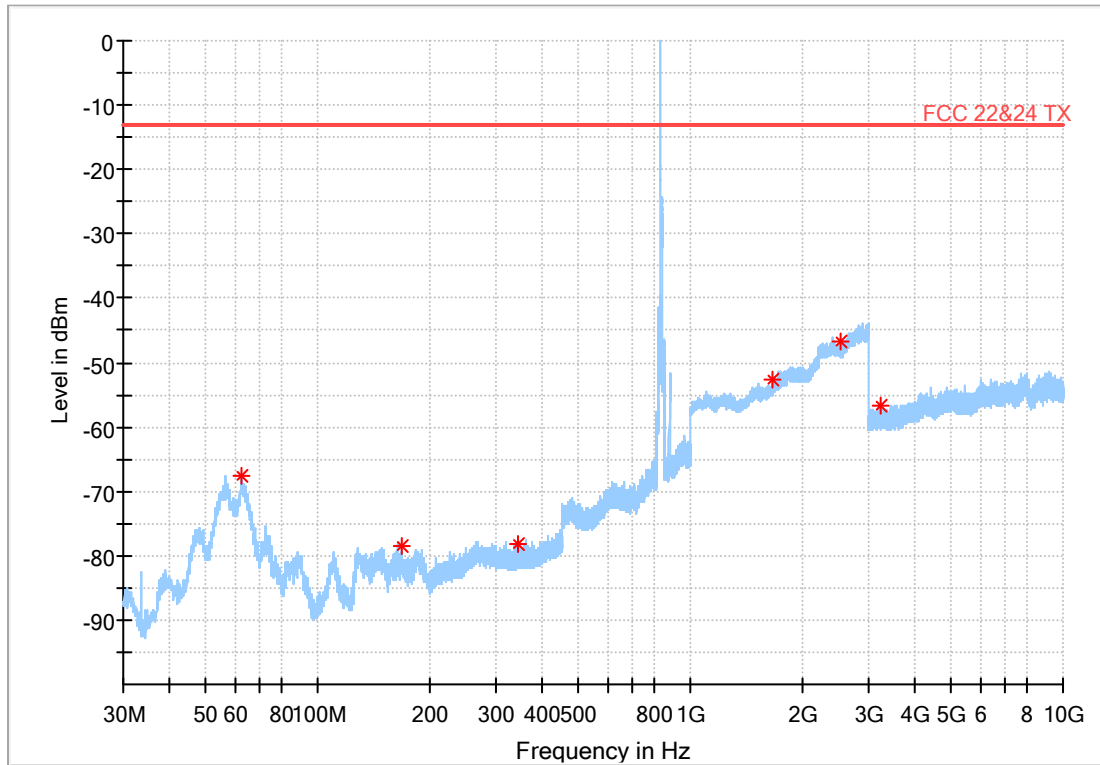
Full Spectrum





7.1.1.3. Test Channel = MCH-H

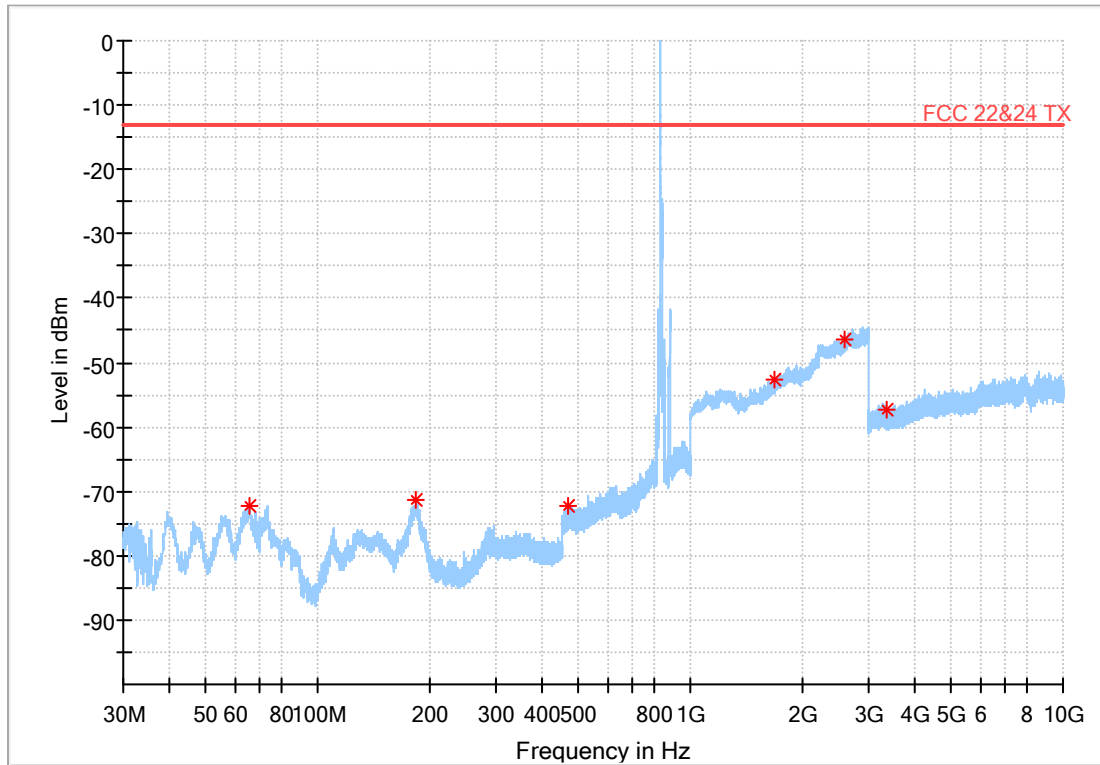
Full Spectrum





7.1.1.4. Test Channel = MCH-V

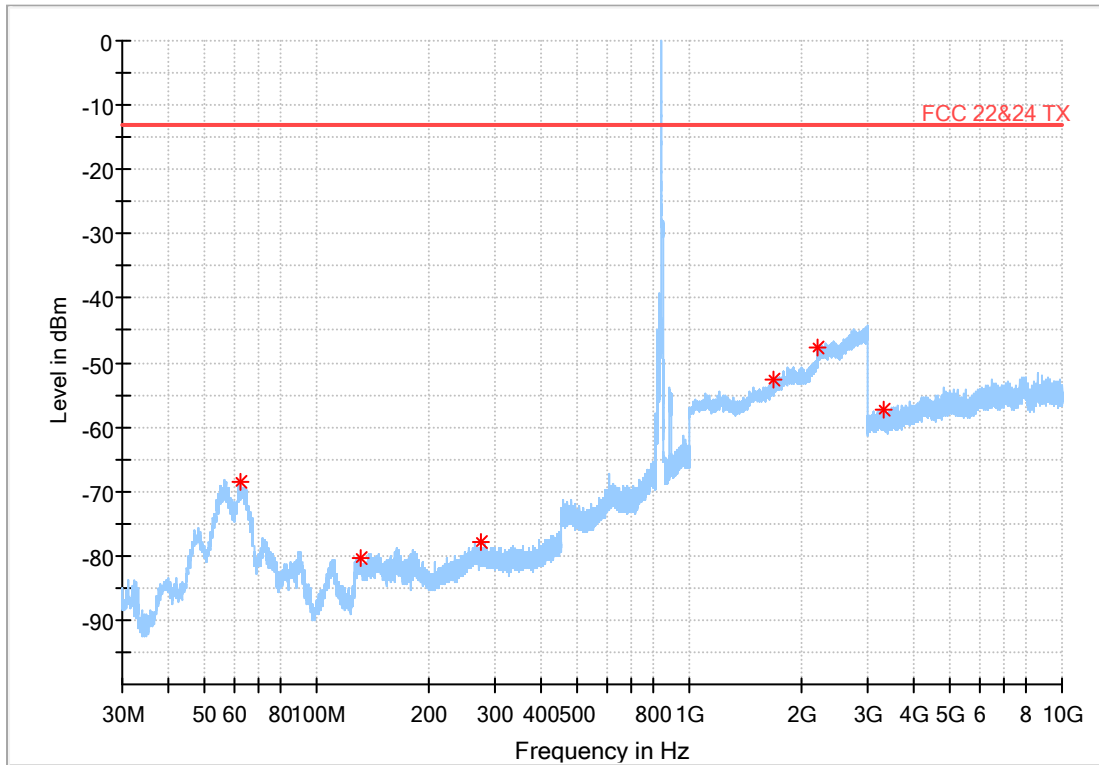
Full Spectrum





7.1.1.5. Test Channel = HCH-H

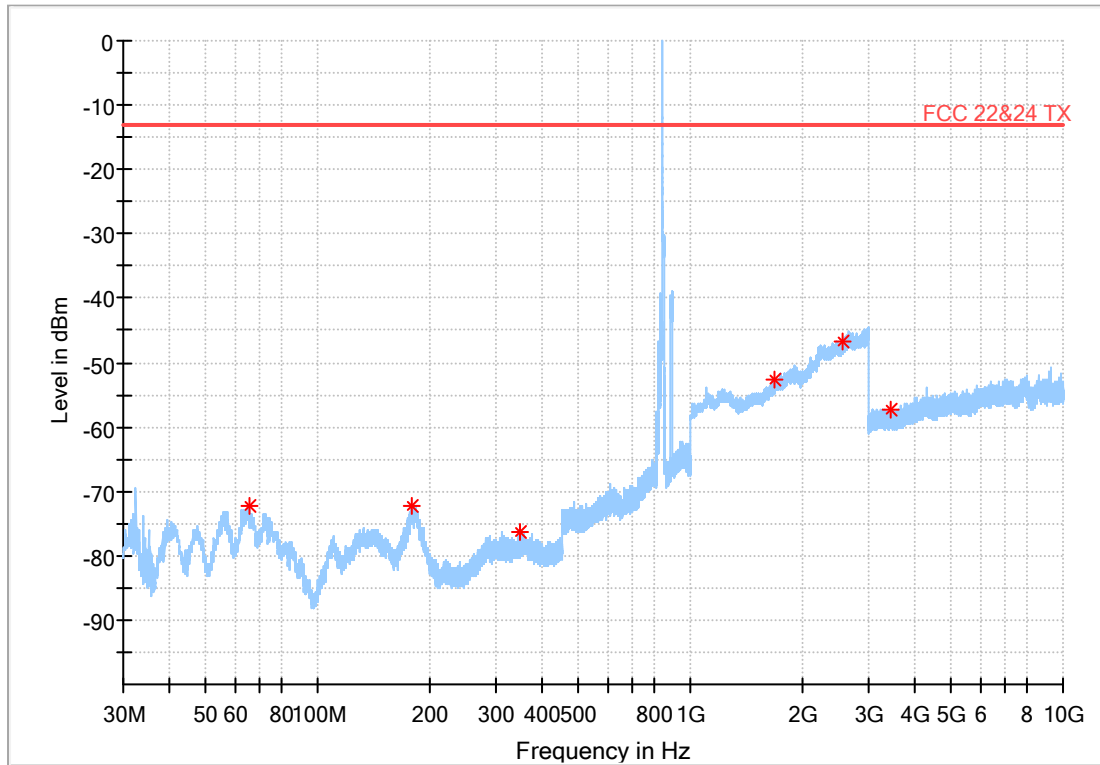
Full Spectrum





7.1.1.6. Test Channel = HCH-V

Full Spectrum



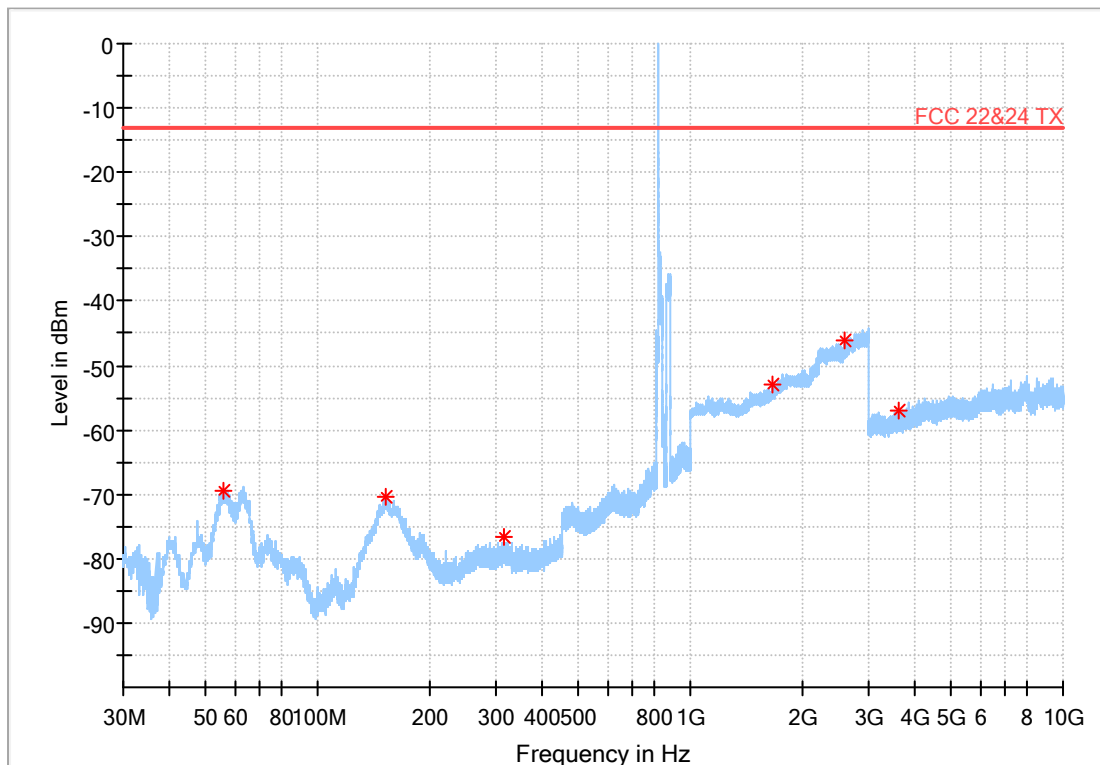


7.2. Test BAND = LTE BAND 5-Second Antenna

7.2.1. Test Mode =LTE/TM1 10MHz

7.2.1.1. Test Channel = LCH-H

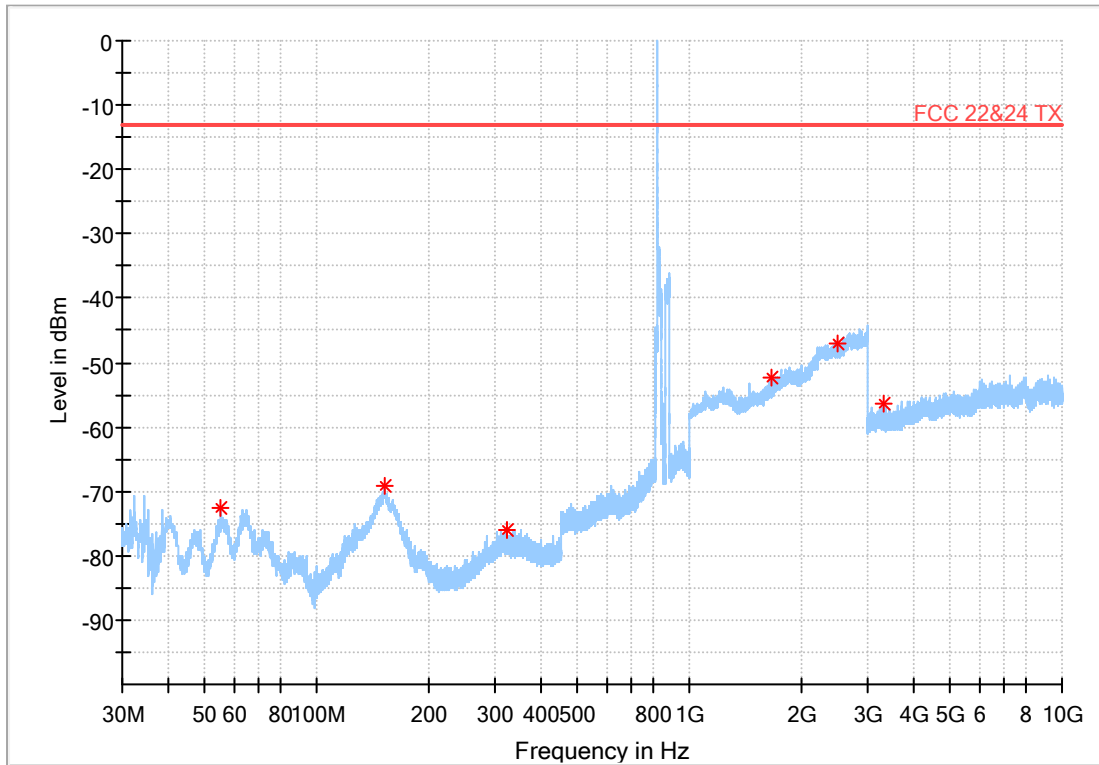
Full Spectrum





7.2.1.2. Test Channel = LCH-V

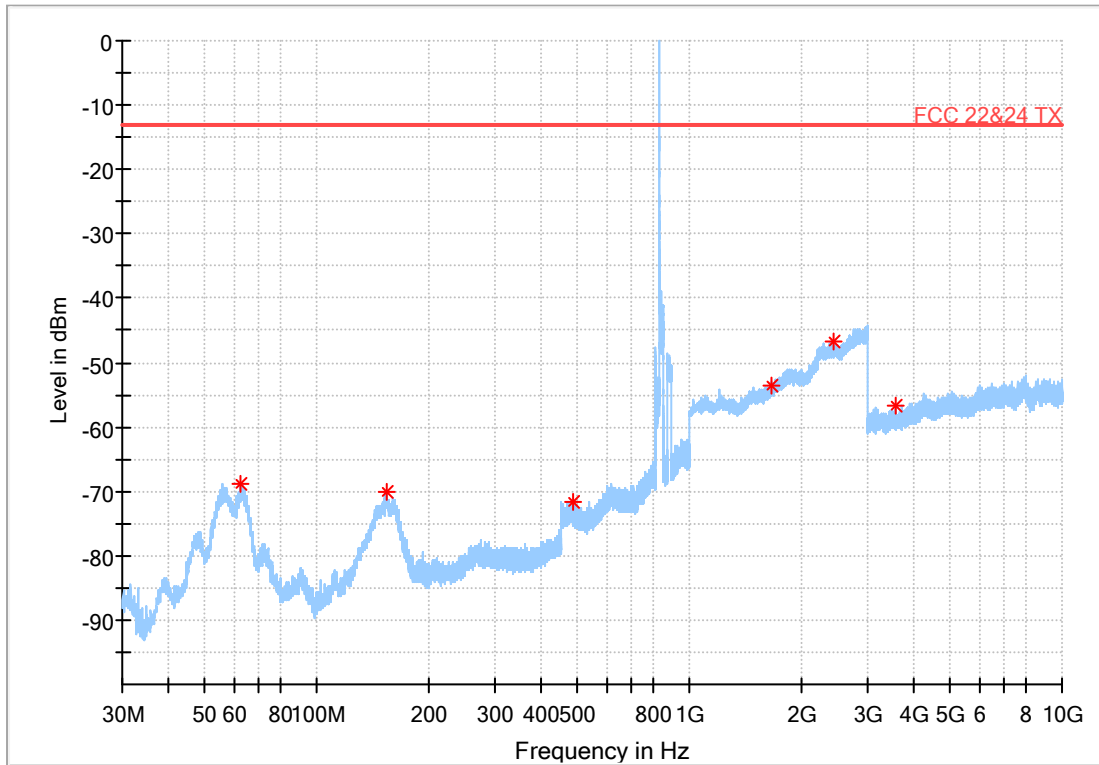
Full Spectrum





7.2.1.3. Test Channel = MCH-H

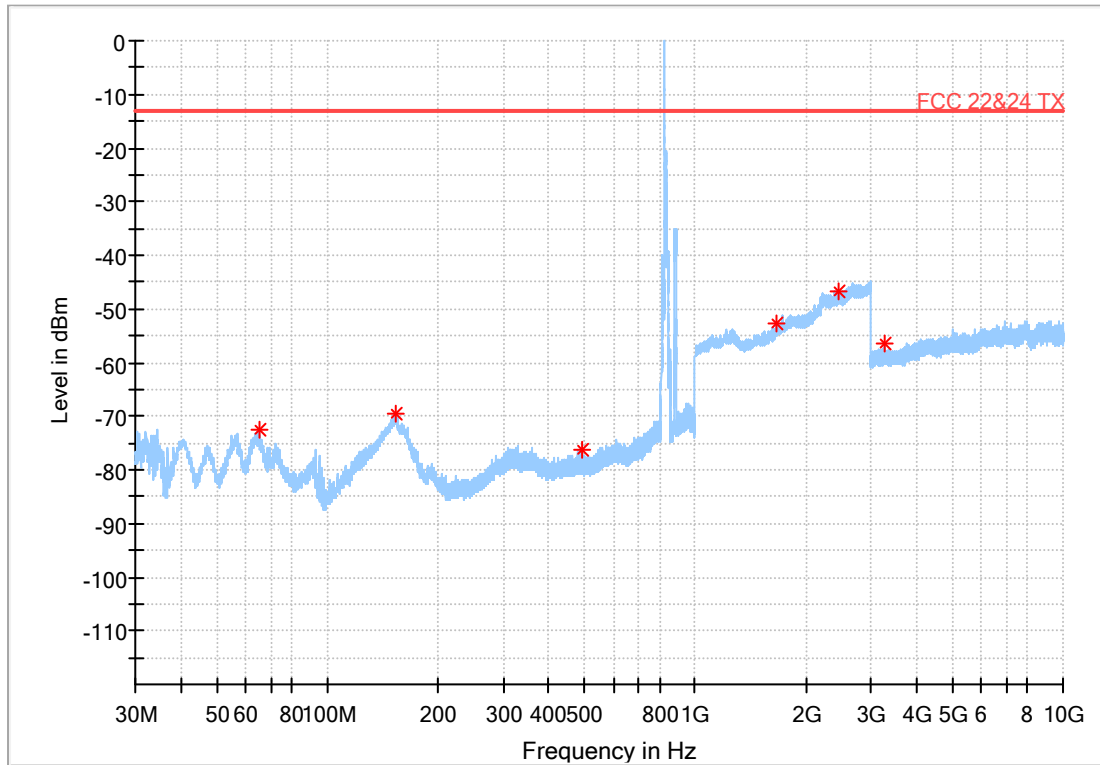
Full Spectrum





7.2.1.4. Test Channel = MCH-V

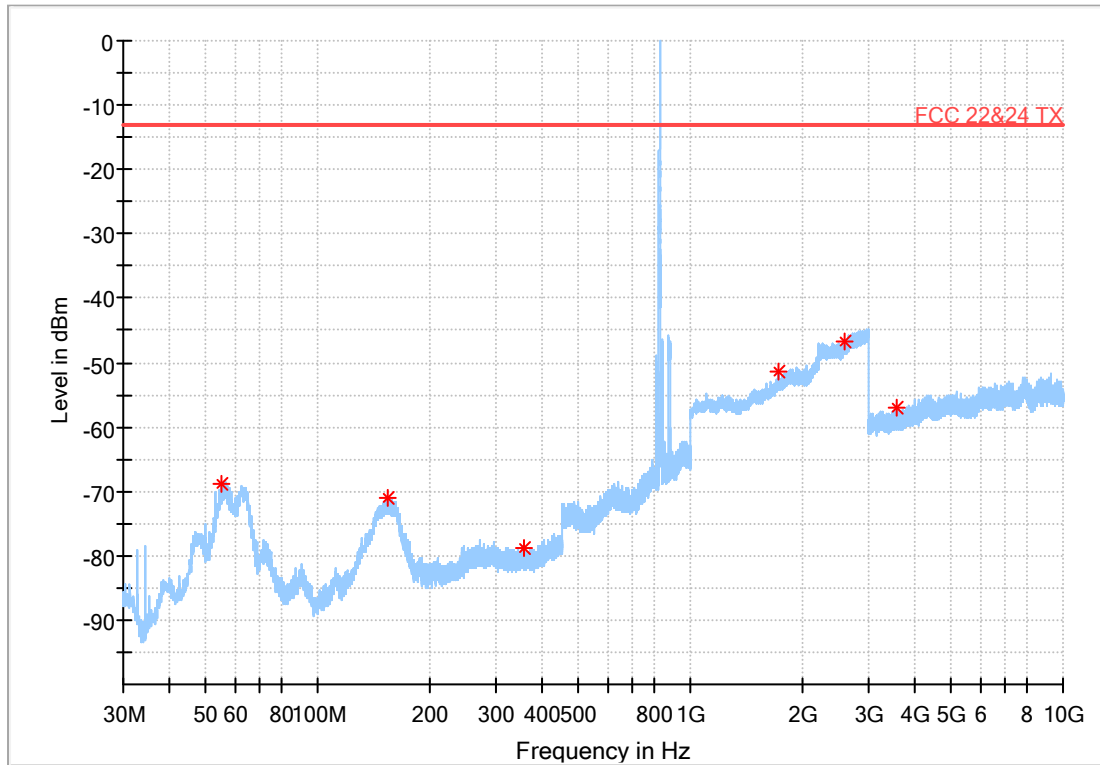
Full Spectrum





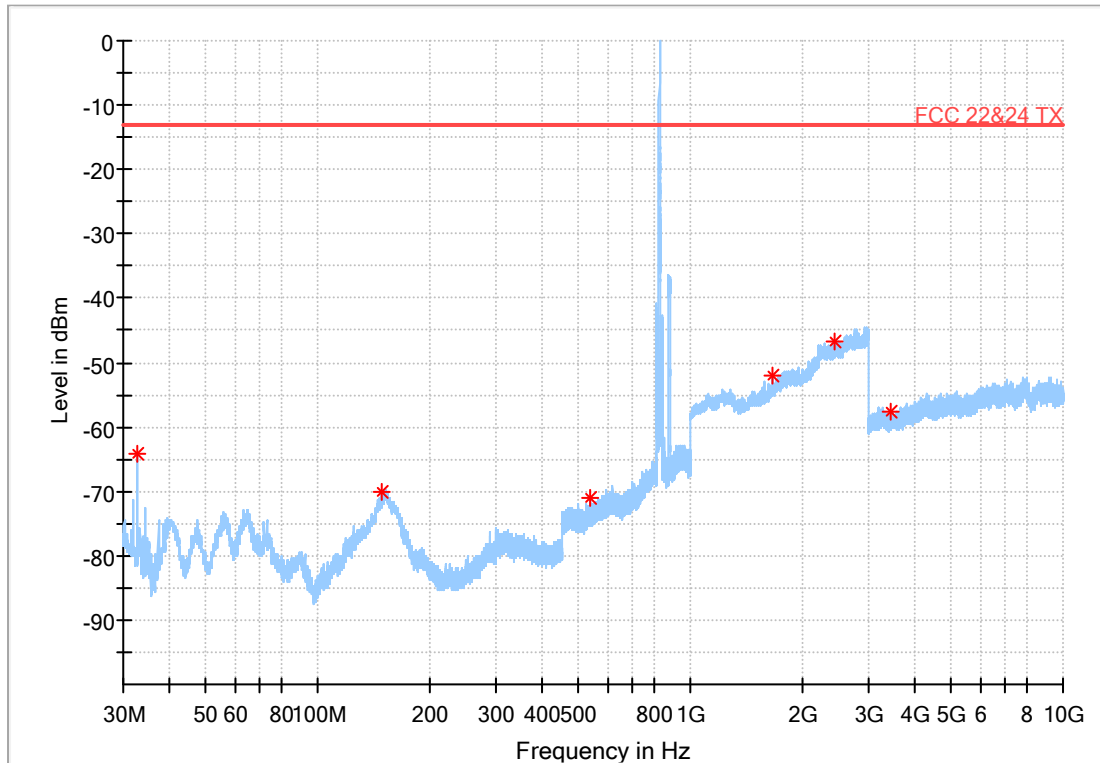
7.2.1.5. Test Channel = HCH-H

Full Spectrum



7.2.1.6. Test Channel = HCH-V

Full Spectrum



NOTE:

- 1) All modes are tested, but the data presented above is the worst case. 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.
- 2) We have tested all modulation and all Bandwidth, but only the worst case data presented in this report.



8. Frequency Stability

8.1. Frequency Vs Voltage

Voltage										
BAND	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
BAND5	10MHz	QPSK	20450	50RB#0	VL	NT	1.10	0.001327	±2.5	PASS
BAND5	10MHz	QPSK	20450	50RB#0	VN	NT	1.40	0.001689	±2.5	PASS
BAND5	10MHz	QPSK	20450	50RB#0	VH	NT	0.70	0.000844	±2.5	PASS
BAND5	10MHz	QPSK	20525	50RB#0	VL	NT	0.90	0.001076	±2.5	PASS
BAND5	10MHz	QPSK	20525	50RB#0	VN	NT	-0.10	-0.000120	±2.5	PASS
BAND5	10MHz	QPSK	20525	50RB#0	VH	NT	0.40	0.000478	±2.5	PASS
BAND5	10MHz	QPSK	20600	50RB#0	VL	NT	-1.20	-0.001422	±2.5	PASS
BAND5	10MHz	QPSK	20600	50RB#0	VN	NT	-1.30	-0.001540	±2.5	PASS
BAND5	10MHz	QPSK	20600	50RB#0	VH	NT	-0.50	-0.000592	±2.5	PASS
BAND5	10MHz	64QAM	20450	50RB#0	VL	NT	10.50	0.012666	±2.5	PASS
BAND5	10MHz	64QAM	20450	50RB#0	VN	NT	9.50	0.011460	±2.5	PASS
BAND5	10MHz	64QAM	20450	50RB#0	VH	NT	7.20	0.008685	±2.5	PASS
BAND5	10MHz	64QAM	20525	50RB#0	VL	NT	0.70	0.000837	±2.5	PASS
BAND5	10MHz	64QAM	20525	50RB#0	VN	NT	0.60	0.000717	±2.5	PASS
BAND5	10MHz	64QAM	20525	50RB#0	VH	NT	0.80	0.000956	±2.5	PASS
BAND5	10MHz	64QAM	20600	50RB#0	VL	NT	-1.00	-0.001185	±2.5	PASS
BAND5	10MHz	64QAM	20600	50RB#0	VN	NT	-1.10	-0.001303	±2.5	PASS
BAND5	10MHz	64QAM	20600	50RB#0	VH	NT	-1.50	-0.001777	±2.5	PASS
BAND5	10MHz	16QAM	20450	50RB#0	VL	NT	1.80	0.002171	±2.5	PASS
BAND5	10MHz	16QAM	20450	50RB#0	VN	NT	1.20	0.001448	±2.5	PASS
BAND5	10MHz	16QAM	20450	50RB#0	VH	NT	0.90	0.001086	±2.5	PASS
BAND5	10MHz	16QAM	20525	50RB#0	VL	NT	1.20	0.001435	±2.5	PASS
BAND5	10MHz	16QAM	20525	50RB#0	VN	NT	0.20	0.000239	±2.5	PASS
BAND5	10MHz	16QAM	20525	50RB#0	VH	NT	0.90	0.001076	±2.5	PASS
BAND5	10MHz	16QAM	20600	50RB#0	VL	NT	-1.70	-0.002014	±2.5	PASS
BAND5	10MHz	16QAM	20600	50RB#0	VN	NT	-1.30	-0.001540	±2.5	PASS
BAND5	10MHz	16QAM	20600	50RB#0	VH	NT	-1.00	-0.001185	±2.5	PASS



8.2.Frequency Vs Temperature

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	0.30	0.000362	±2.5	PASS
BAND5	10MHz	QPSK	20450	50RB#0	NV	-20	1.50	0.001809	±2.5	PASS
BAND5	10MHz	QPSK	20450	50RB#0	NV	0	0.80	0.000965	±2.5	PASS
BAND5	10MHz	QPSK	20450	50RB#0	NV	10	1.40	0.001689	±2.5	PASS
BAND5	10MHz	QPSK	20450	50RB#0	NV	20	1.50	0.001809	±2.5	PASS
BAND5	10MHz	QPSK	20525	50RB#0	NV	-30	0.70	0.000837	±2.5	PASS
BAND5	10MHz	QPSK	20525	50RB#0	NV	-20	0.30	0.000359	±2.5	PASS
BAND5	10MHz	QPSK	20525	50RB#0	NV	0	0.10	0.000120	±2.5	PASS
BAND5	10MHz	QPSK	20525	50RB#0	NV	10	0.50	0.000598	±2.5	PASS
BAND5	10MHz	QPSK	20525	50RB#0	NV	20	0.10	0.000120	±2.5	PASS
BAND5	10MHz	QPSK	20600	50RB#0	NV	-30	-1.30	-0.001540	±2.5	PASS
BAND5	10MHz	QPSK	20600	50RB#0	NV	-20	-0.70	-0.000829	±2.5	PASS
BAND5	10MHz	QPSK	20600	50RB#0	NV	0	-0.90	-0.001066	±2.5	PASS
BAND5	10MHz	QPSK	20600	50RB#0	NV	10	-1.90	-0.002251	±2.5	PASS
BAND5	10MHz	QPSK	20600	50RB#0	NV	20	-0.80	-0.000948	±2.5	PASS
BAND5	10MHz	64QAM	20450	50RB#0	NV	-30	2.10	0.002533	±2.5	PASS
BAND5	10MHz	64QAM	20450	50RB#0	NV	-20	5.50	0.006634	±2.5	PASS
BAND5	10MHz	64QAM	20450	50RB#0	NV	0	6.60	0.007961	±2.5	PASS
BAND5	10MHz	64QAM	20450	50RB#0	NV	10	5.70	0.006876	±2.5	PASS
BAND5	10MHz	64QAM	20450	50RB#0	NV	20	9.30	0.011218	±2.5	PASS
BAND5	10MHz	64QAM	20525	50RB#0	NV	-30	1.10	0.001315	±2.5	PASS
BAND5	10MHz	64QAM	20525	50RB#0	NV	-20	1.00	0.001195	±2.5	PASS
BAND5	10MHz	64QAM	20525	50RB#0	NV	0	0.80	0.000956	±2.5	PASS
BAND5	10MHz	64QAM	20525	50RB#0	NV	10	0.50	0.000598	±2.5	PASS
BAND5	10MHz	64QAM	20525	50RB#0	NV	20	0.20	0.000239	±2.5	PASS
BAND5	10MHz	64QAM	20600	50RB#0	NV	-30	-1.40	-0.001659	±2.5	PASS
BAND5	10MHz	64QAM	20600	50RB#0	NV	-20	-0.90	-0.001066	±2.5	PASS
BAND5	10MHz	64QAM	20600	50RB#0	NV	0	-1.00	-0.001185	±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	-1.40	-0.001659	±2.5	PASS
BAND5	10MHz	16QAM	20450	50RB#0	NV	-30	1.20	0.001448	±2.5	PASS
BAND5	10MHz	16QAM	20450	50RB#0	NV	-20	1.40	0.001689	±2.5	PASS
BAND5	10MHz	16QAM	20450	50RB#0	NV	0	1.20	0.001448	±2.5	PASS
BAND5	10MHz	16QAM	20450	50RB#0	NV	10	1.20	0.001448	±2.5	PASS
BAND5	10MHz	16QAM	20450	50RB#0	NV	20	1.10	0.001327	±2.5	PASS
BAND5	10MHz	16QAM	20525	50RB#0	NV	-30	0.30	0.000359	±2.5	PASS
BAND5	10MHz	16QAM	20525	50RB#0	NV	-20	1.10	0.001315	±2.5	PASS
BAND5	10MHz	16QAM	20525	50RB#0	NV	0	0.70	0.000837	±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	20	1.00	0.001195	±2.5	PASS
BAND5	10MHz	16QAM	20600	50RB#0	NV	-30	-1.10	-0.001303	±2.5	PASS



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BAND5	10MHz	16QAM	20600	50RB#0	NV	-20	-0.60	-0.000711	±2.5	PASS
BAND5	10MHz	16QAM	20600	50RB#0	NV	0	-1.60	-0.001896	±2.5	PASS
BAND5	10MHz	16QAM	20600	50RB#0	NV	10	-1.30	-0.001540	±2.5	PASS
BAND5	10MHz	16QAM	20600	50RB#0	NV	20	-1.20	-0.001422	±2.5	PASS

The End