Appendix B

E-UTRA Band 12

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1 Effective (Isotropic) Radiated Power

Test Result

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	22.91	18.85	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	23.24	19.18	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	23.13	19.07	34.77	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	23.09	19.03	34.77	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	23.23	19.17	34.77	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	23.18	19.12	34.77	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.28	18.22	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	23.01	18.95	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	22.92	18.86	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	22.95	18.89	34.77	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	23.32	19.26	34.77	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	23.18	19.12	34.77	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	23.37	19.31	34.77	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.26	18.20	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	23.10	19.04	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.22	19.16	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	23.11	19.05	34.77	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	23.13	19.07	34.77	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	23.28	19.22	34.77	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	23.39	19.33	34.77	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.15	18.09	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	21.86	17.80	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	22.12	18.06	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	22.07	18.01	34.77	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	22.01	17.95	34.77	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	22.08	18.02	34.77	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	22.09	18.03	34.77	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	21.01	16.95	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	21.88	17.82	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	22.27	18.21	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.19	18.13	34.77	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	22.10	18.04	34.77	PASS

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Band12	1.4MHz	16QAM	23095	3RB#1	22.36	18.30	34.77	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	22.30	18.24	34.77	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	21.13	17.07	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	21.57	17.51	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	22.14	18.08	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	22.45	18.39	34.77	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	22.20	18.14	34.77	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	22.43	18.37	34.77	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	22.47	18.41	34.77	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	21.20	17.14	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#0	20.90	16.84	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#2	21.21	17.15	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#5	21.09	17.03	34.77	PASS
Band12	1.4MHz	64QAM	23017	3RB#0	21.02	16.96	34.77	PASS
Band12	1.4MHz	64QAM	23017	3RB#1	21.23	17.17	34.77	PASS
Band12	1.4MHz	64QAM	23017	3RB#3	21.12	17.06	34.77	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	20.19	16.13	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#0	21.00	16.94	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#2	20.91	16.85	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#5	20.85	16.79	34.77	PASS
Band12	1.4MHz	64QAM	23095	3RB#0	21.25	17.19	34.77	PASS
Band12	1.4MHz	64QAM	23095	3RB#1	21.18	17.12	34.77	PASS
Band12	1.4MHz	64QAM	23095	3RB#3	21.33	17.27	34.77	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	20.21	16.15	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#0	21.03	16.97	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#2	21.20	17.14	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#5	21.02	16.96	34.77	PASS
Band12	1.4MHz	64QAM	23173	3RB#0	21.06	17.00	34.77	PASS
Band12	1.4MHz	64QAM	23173	3RB#1	21.27	17.21	34.77	PASS
Band12	1.4MHz	64QAM	23173	3RB#3	21.36	17.30	34.77	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	20.05	15.99	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#0	23.00	18.94	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#8	23.13	19.07	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#14	22.69	18.63	34.77	PASS
Band12	3MHz	QPSK	23025	8RB#0	22.06	18.00	34.77	PASS
Band12	3MHz	QPSK	23025	8RB#4	22.21	18.15	34.77	PASS
Band12	3MHz	QPSK	23025	8RB#7	22.21	18.15	34.77	PASS
Band12	3MHz	QPSK	23025	15RB#0	22.15	18.09	34.77	PASS

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Band12	3MHz	QPSK	23095	1RB#0	23.44	19.38	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#8	23.28	19.22	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#14	23.25	19.19	34.77	PASS
Band12	3MHz	QPSK	23095	8RB#0	22.24	18.18	34.77	PASS
Band12	3MHz	QPSK	23095	8RB#4	22.30	18.24	34.77	PASS
Band12	3MHz	QPSK	23095	8RB#7	22.25	18.19	34.77	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.28	18.22	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.35	19.29	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#8	23.41	19.35	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#14	22.82	18.76	34.77	PASS
Band12	3MHz	QPSK	23165	8RB#0	22.47	18.41	34.77	PASS
Band12	3MHz	QPSK	23165	8RB#4	22.39	18.33	34.77	PASS
Band12	3MHz	QPSK	23165	8RB#7	22.31	18.25	34.77	PASS
Band12	3MHz	QPSK	23165	15RB#0	22.29	18.23	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#0	21.74	17.68	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#8	21.98	17.92	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#14	22.04	17.98	34.77	PASS
Band12	3MHz	16QAM	23025	8RB#0	20.91	16.85	34.77	PASS
Band12	3MHz	16QAM	23025	8RB#4	21.21	17.15	34.77	PASS
Band12	3MHz	16QAM	23025	8RB#7	21.21	17.15	34.77	PASS
Band12	3MHz	16QAM	23025	15RB#0	20.98	16.92	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#0	22.34	18.28	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#8	22.05	17.99	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.30	18.24	34.77	PASS
Band12	3MHz	16QAM	23095	8RB#0	21.35	17.29	34.77	PASS
Band12	3MHz	16QAM	23095	8RB#4	21.43	17.37	34.77	PASS
Band12	3MHz	16QAM	23095	8RB#7	21.47	17.41	34.77	PASS
Band12	3MHz	16QAM	23095	15RB#0	21.34	17.28	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#0	21.90	17.84	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#8	21.98	17.92	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#14	21.73	17.67	34.77	PASS
Band12	3MHz	16QAM	23165	8RB#0	21.40	17.34	34.77	PASS
Band12	3MHz	16QAM	23165	8RB#4	21.32	17.26	34.77	PASS
Band12	3MHz	16QAM	23165	8RB#7	21.29	17.23	34.77	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.39	17.33	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#0	20.93	16.87	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#8	21.07	17.01	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#14	20.65	16.59	34.77	PASS

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Band12	3MHz	64QAM	23025	8RB#0	19.96	15.90	34.77	PASS
Band12	3MHz	64QAM	23025	8RB#4	20.14	16.08	34.77	PASS
Band12	3MHz	64QAM	23025	8RB#7	20.12	16.06	34.77	PASS
Band12	3MHz	64QAM	23025	15RB#0	20.08	16.02	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#0	21.42	17.36	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#8	21.19	17.13	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#14	21.19	17.13	34.77	PASS
Band12	3MHz	64QAM	23095	8RB#0	20.19	16.13	34.77	PASS
Band12	3MHz	64QAM	23095	8RB#4	20.26	16.20	34.77	PASS
Band12	3MHz	64QAM	23095	8RB#7	20.17	16.11	34.77	PASS
Band12	3MHz	64QAM	23095	15RB#0	20.26	16.20	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#0	21.26	17.20	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#8	21.32	17.26	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#14	20.78	16.72	34.77	PASS
Band12	3MHz	64QAM	23165	8RB#0	20.42	16.36	34.77	PASS
Band12	3MHz	64QAM	23165	8RB#4	20.37	16.31	34.77	PASS
Band12	3MHz	64QAM	23165	8RB#7	20.24	16.18	34.77	PASS
Band12	3MHz	64QAM	23165	15RB#0	20.23	16.17	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#0	22.87	18.81	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#12	22.70	18.64	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#24	22.72	18.66	34.77	PASS
Band12	5MHz	QPSK	23035	12RB#0	22.15	18.09	34.77	PASS
Band12	5MHz	QPSK	23035	12RB#6	22.11	18.05	34.77	PASS
Band12	5MHz	QPSK	23035	12RB#13	22.07	18.01	34.77	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.12	18.06	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#0	23.20	19.14	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.09	19.03	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#24	22.83	18.77	34.77	PASS
Band12	5MHz	QPSK	23095	12RB#0	22.20	18.14	34.77	PASS
Band12	5MHz	QPSK	23095	12RB#6	22.14	18.08	34.77	PASS
Band12	5MHz	QPSK	23095	12RB#13	22.19	18.13	34.77	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.16	18.10	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#0	23.10	19.04	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#12	22.91	18.85	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#24	22.62	18.56	34.77	PASS
Band12	5MHz	QPSK	23155	12RB#0	22.14	18.08	34.77	PASS
Band12	5MHz	QPSK	23155	12RB#6	22.16	18.10	34.77	PASS
Band12	5MHz	QPSK	23155	12RB#13	22.21	18.15	34.77	PASS

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Band12	5MHz	QPSK	23155	25RB#0	22.14	18.08	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#0	22.26	18.20	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#12	21.82	17.76	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#24	21.59	17.53	34.77	PASS
Band12	5MHz	16QAM	23035	12RB#0	21.02	16.96	34.77	PASS
Band12	5MHz	16QAM	23035	12RB#6	20.94	16.88	34.77	PASS
Band12	5MHz	16QAM	23035	12RB#13	20.91	16.85	34.77	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.13	17.07	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#0	21.69	17.63	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.43	18.37	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#24	21.88	17.82	34.77	PASS
Band12	5MHz	16QAM	23095	12RB#0	21.01	16.95	34.77	PASS
Band12	5MHz	16QAM	23095	12RB#6	21.20	17.14	34.77	PASS
Band12	5MHz	16QAM	23095	12RB#13	21.29	17.23	34.77	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.24	17.18	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#0	22.35	18.29	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#12	21.70	17.64	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#24	21.40	17.34	34.77	PASS
Band12	5MHz	16QAM	23155	12RB#0	20.98	16.92	34.77	PASS
Band12	5MHz	16QAM	23155	12RB#6	20.94	16.88	34.77	PASS
Band12	5MHz	16QAM	23155	12RB#13	20.99	16.93	34.77	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.22	17.16	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#0	20.78	16.72	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#12	20.61	16.55	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#24	20.69	16.63	34.77	PASS
Band12	5MHz	64QAM	23035	12RB#0	20.15	16.09	34.77	PASS
Band12	5MHz	64QAM	23035	12RB#6	20.06	16.00	34.77	PASS
Band12	5MHz	64QAM	23035	12RB#13	20.07	16.01	34.77	PASS
Band12	5MHz	64QAM	23035	25RB#0	20.08	16.02	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#0	21.20	17.14	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#12	21.05	16.99	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#24	20.82	16.76	34.77	PASS
Band12	5MHz	64QAM	23095	12RB#0	20.15	16.09	34.77	PASS
Band12	5MHz	64QAM	23095	12RB#6	20.10	16.04	34.77	PASS
Band12	5MHz	64QAM	23095	12RB#13	20.09	16.03	34.77	PASS
Band12	5MHz	64QAM	23095	25RB#0	20.11	16.05	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#0	21.09	17.03	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#12	20.85	16.79	34.77	PASS

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Band12	5MHz	64QAM	23155	1RB#24	20.56	16.50	34.77	PASS
Band12	5MHz	64QAM	23155	12RB#0	20.11	16.05	34.77	PASS
Band12	5MHz	64QAM	23155	12RB#6	20.08	16.02	34.77	PASS
Band12	5MHz	64QAM	23155	12RB#13	20.11	16.05	34.77	PASS
Band12	5MHz	64QAM	23155	25RB#0	20.05	15.99	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.06	19.00	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#24	22.97	18.91	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.01	18.95	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#0	22.05	17.99	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#12	22.23	18.17	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#25	22.18	18.12	34.77	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.17	18.11	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#0	22.78	18.72	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.18	19.12	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#49	23.02	18.96	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#0	22.06	18.00	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#12	22.23	18.17	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#25	22.28	18.22	34.77	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.25	18.19	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.09	19.03	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#24	23.19	19.13	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#49	22.95	18.89	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#0	22.20	18.14	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#12	22.29	18.23	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#25	22.35	18.29	34.77	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.35	18.29	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#0	22.19	18.13	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.09	18.03	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#49	21.94	17.88	34.77	PASS
Band12	10MHz	16QAM	23060	25RB#0	20.90	16.84	34.77	PASS
Band12	10MHz	16QAM	23060	25RB#12	21.06	17.00	34.77	PASS
Band12	10MHz	16QAM	23060	25RB#25	21.17	17.11	34.77	PASS
Band12	10MHz	16QAM	23060	50RB#0	21.17	17.11	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#0	22.09	18.03	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#24	22.38	18.32	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#49	22.35	18.29	34.77	PASS
Band12	10MHz	16QAM	23095	25RB#0	21.18	17.12	34.77	PASS
Band12	10MHz	16QAM	23095	25RB#12	21.27	17.21	34.77	PASS

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Band12	10MHz	16QAM	23095	25RB#25	21.22	17.16	34.77	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.18	17.12	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#0	21.88	17.82	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#24	22.27	18.21	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#49	21.72	17.66	34.77	PASS
Band12	10MHz	16QAM	23130	25RB#0	21.32	17.26	34.77	PASS
Band12	10MHz	16QAM	23130	25RB#12	21.39	17.33	34.77	PASS
Band12	10MHz	16QAM	23130	25RB#25	21.30	17.24	34.77	PASS
Band12	10MHz	16QAM	23130	50RB#0	21.40	17.34	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#0	20.96	16.90	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#24	20.89	16.83	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#49	20.94	16.88	34.77	PASS
Band12	10MHz	64QAM	23060	25RB#0	19.99	15.93	34.77	PASS
Band12	10MHz	64QAM	23060	25RB#12	20.17	16.11	34.77	PASS
Band12	10MHz	64QAM	23060	25RB#25	20.18	16.12	34.77	PASS
Band12	10MHz	64QAM	23060	50RB#0	20.15	16.09	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#0	20.77	16.71	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#24	21.11	17.05	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#49	20.98	16.92	34.77	PASS
Band12	10MHz	64QAM	23095	25RB#0	20.06	16.00	34.77	PASS
Band12	10MHz	64QAM	23095	25RB#12	20.18	16.12	34.77	PASS
Band12	10MHz	64QAM	23095	25RB#25	20.23	16.17	34.77	PASS
Band12	10MHz	64QAM	23095	50RB#0	20.25	16.19	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#0	20.99	16.93	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#24	21.14	17.08	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#49	20.89	16.83	34.77	PASS
Band12	10MHz	64QAM	23130	25RB#0	20.18	16.12	34.77	PASS
Band12	10MHz	64QAM	23130	25RB#12	20.29	16.23	34.77	PASS
Band12	10MHz	64QAM	23130	25RB#25	20.29	16.23	34.77	PASS
Band12	10MHz	64QAM	23130	50RB#0	20.32	16.26	34.77	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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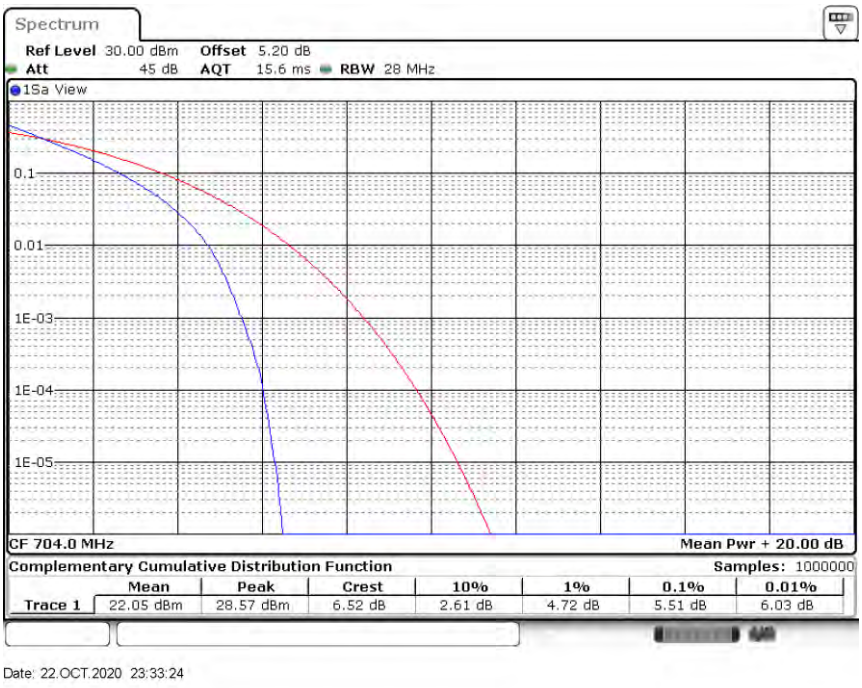
2 Peak-to-Average Ratio (CCDF)

2.1 Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	10MHz	QPSK	23060	50RB#0	5.51	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.65	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.57	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.35	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.43	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.43	13	PASS
Band12	10MHz	64QAM	23060	50RB#0	7.10	13	PASS
Band12	10MHz	64QAM	23095	50RB#0	7.16	13	PASS
Band12	10MHz	64QAM	23130	50RB#0	7.10	13	PASS

2.2 Test Plots

Band12-10MHz-QPSK-23060-50RB#0



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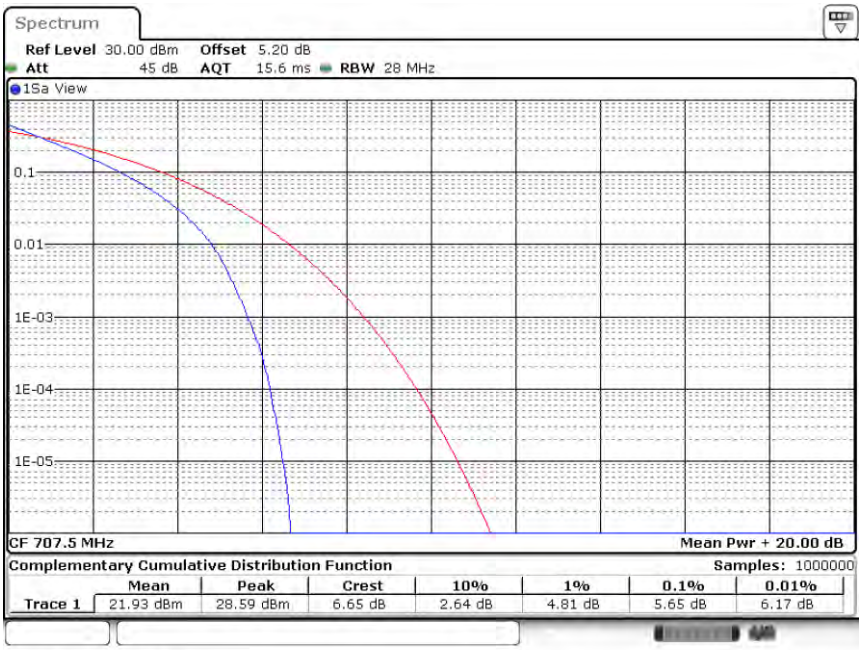
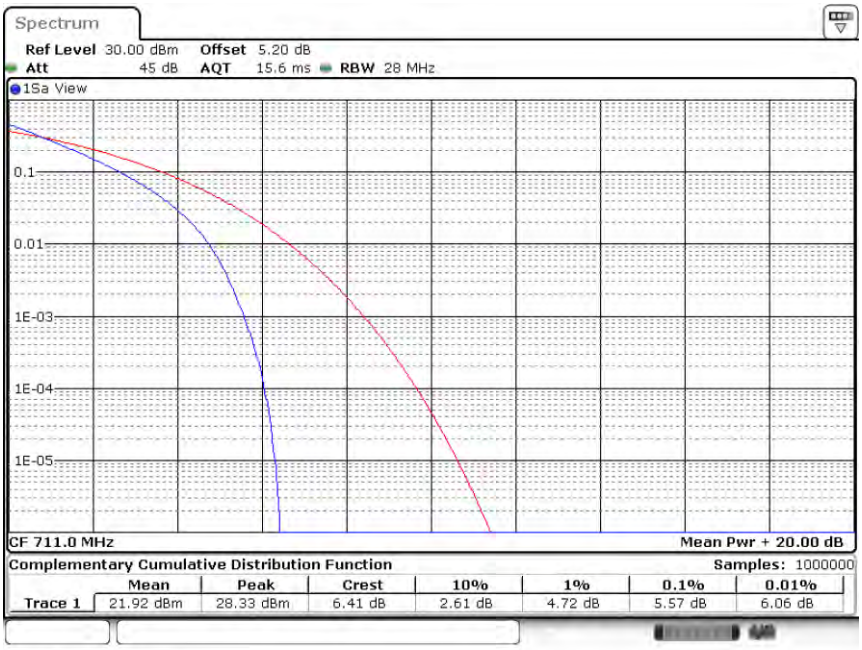
Band12-10MHz-QPSK-23095-50RB#0



Date: 22.OCT.2020 23:33:53

Band12-10MHz-QPSK-23130-50RB#0



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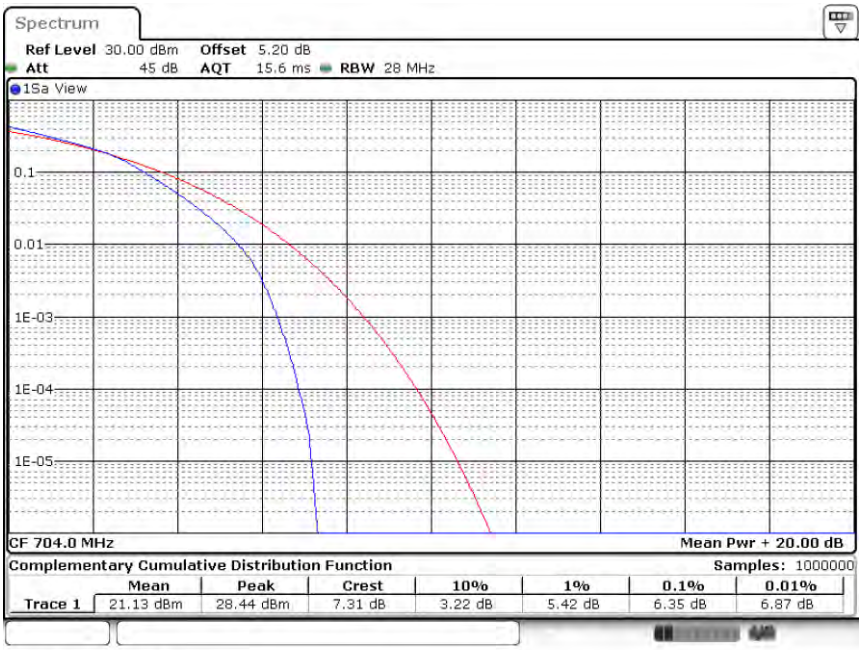
Band12-10MHz-16QAM-23060-50RB#0



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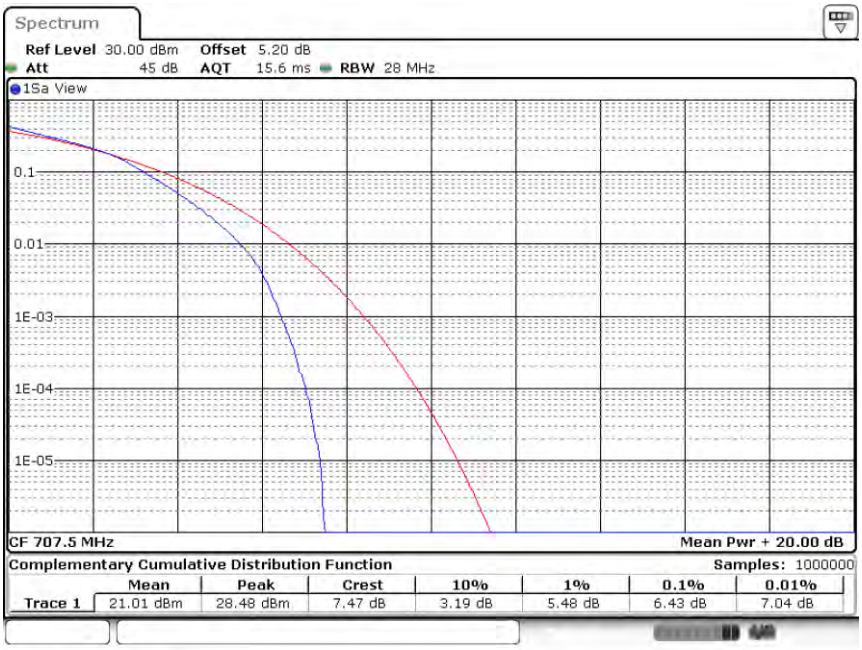
Band12-10MHz-16QAM-23095-50RB#0



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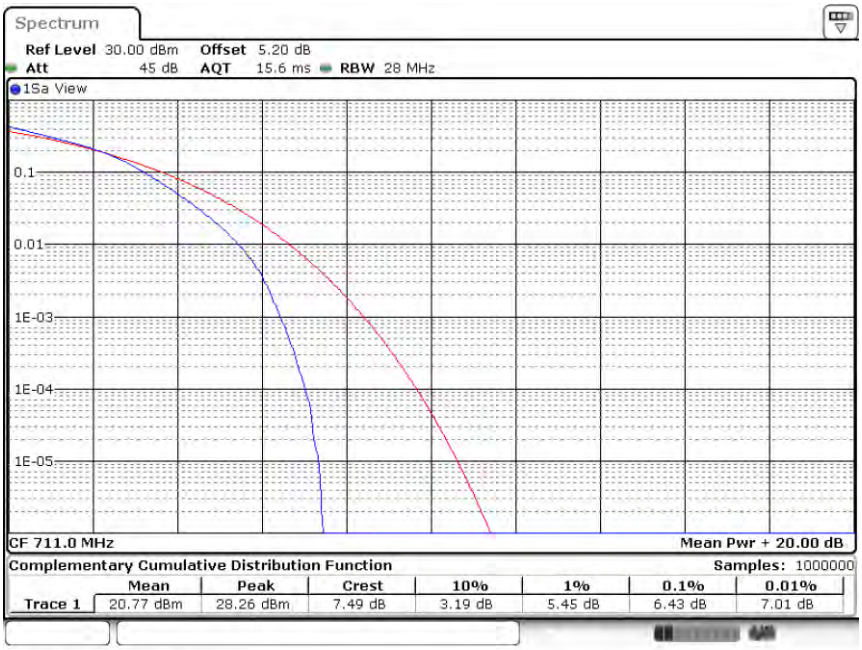
Band12-10MHz-16QAM-23130-50RB#0



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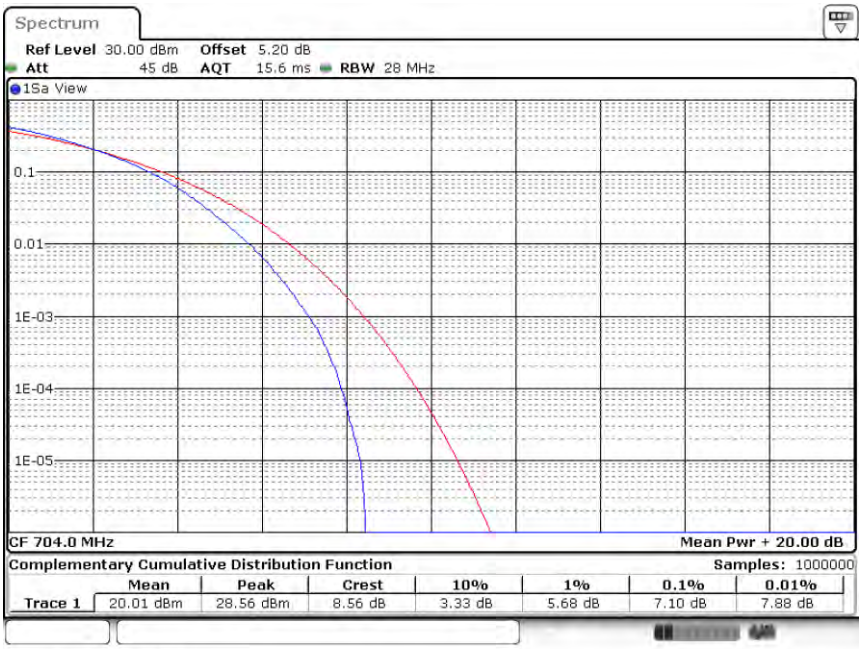

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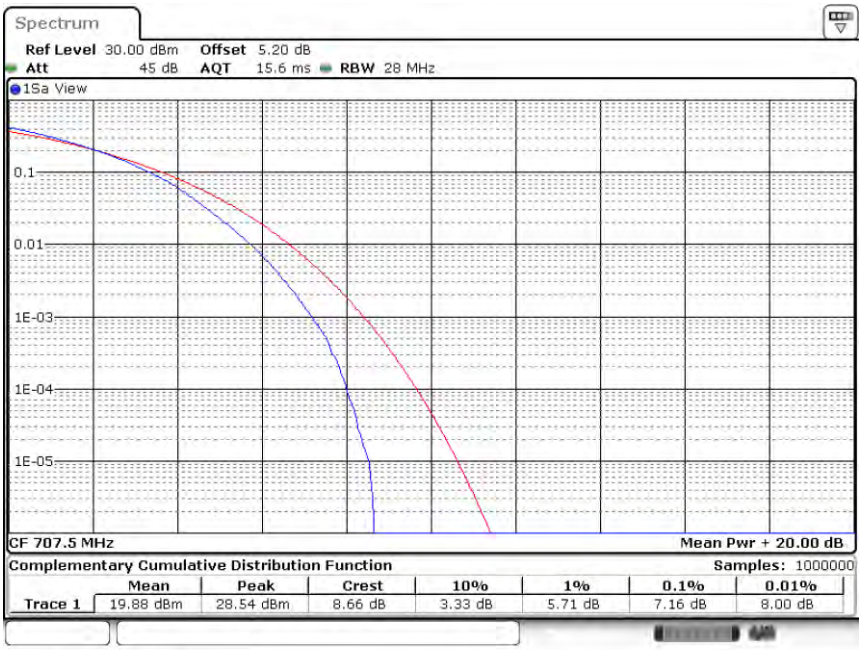
Band12-10MHz-64QAM-23095-50RB#0



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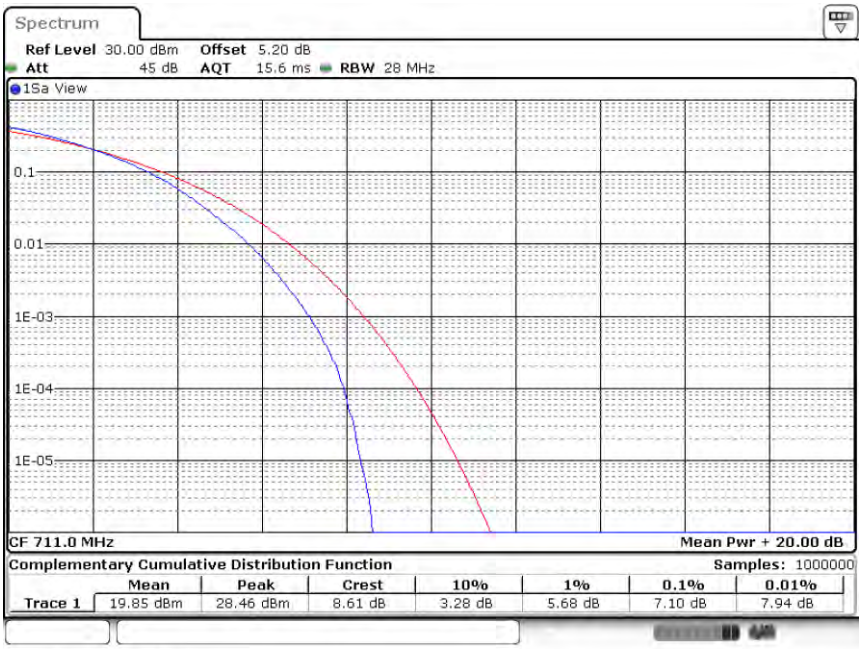
Band12-10MHz-64QAM-23130-50RB#0



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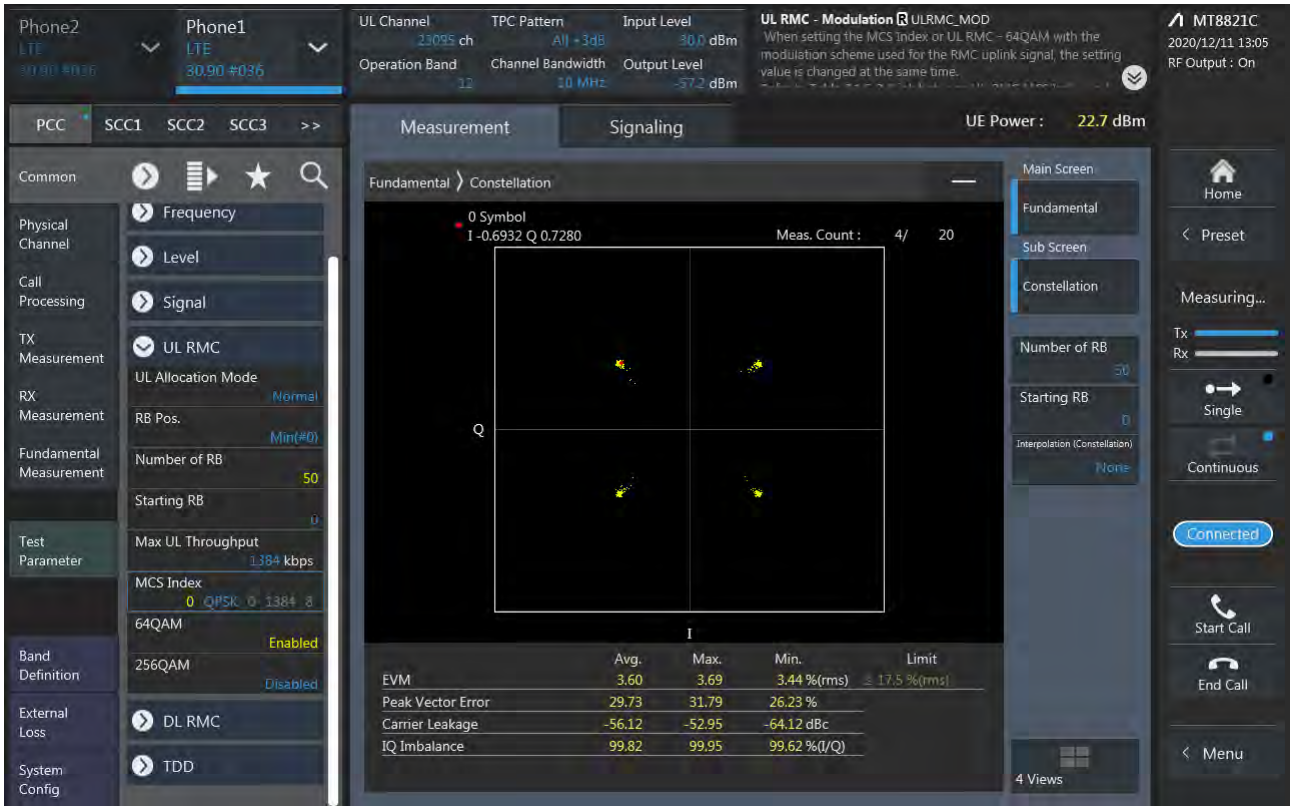
3 Modulation Characteristics

3.1 Test Mode = LTE /TM1 10MHz

3.1.1 Test Channel = MCH



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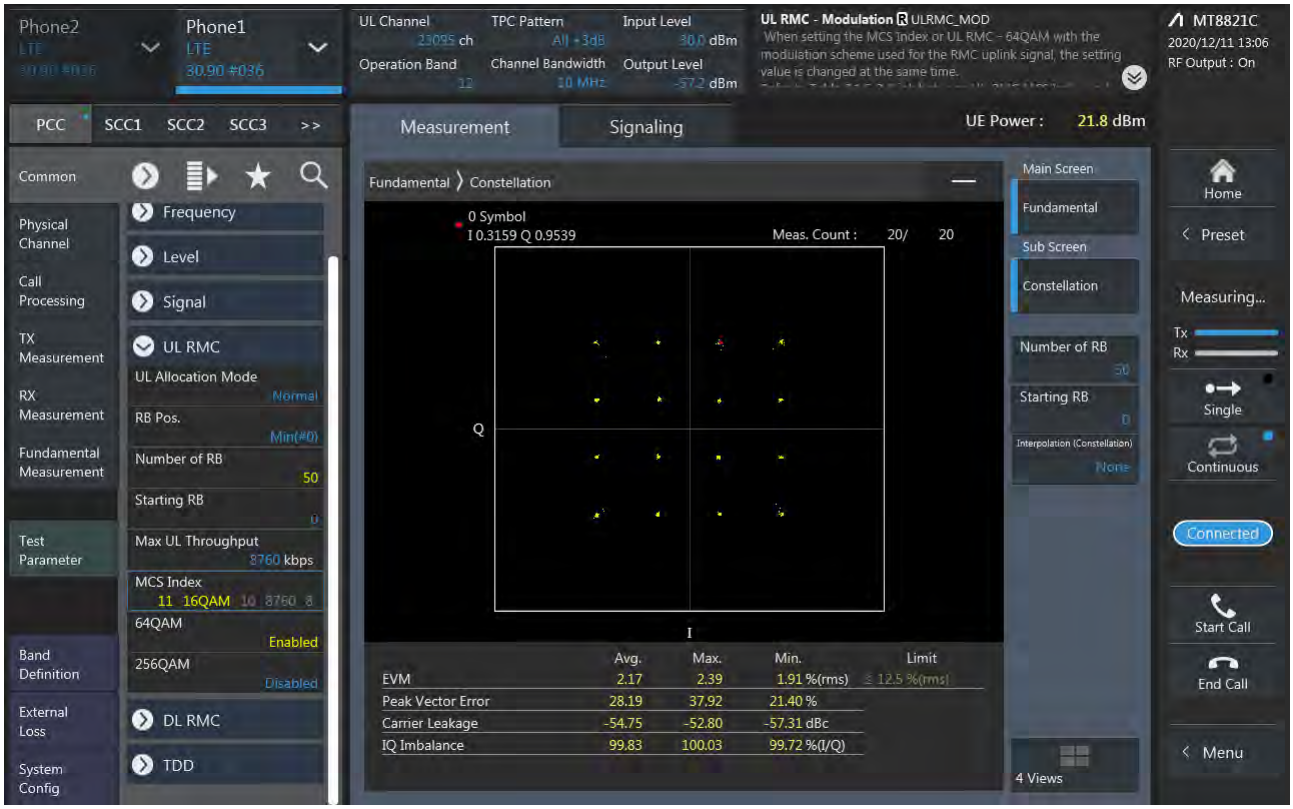
3.2 Test Mode = LTE /TM2 10MHz

3.2.1 Test Channel = MCH



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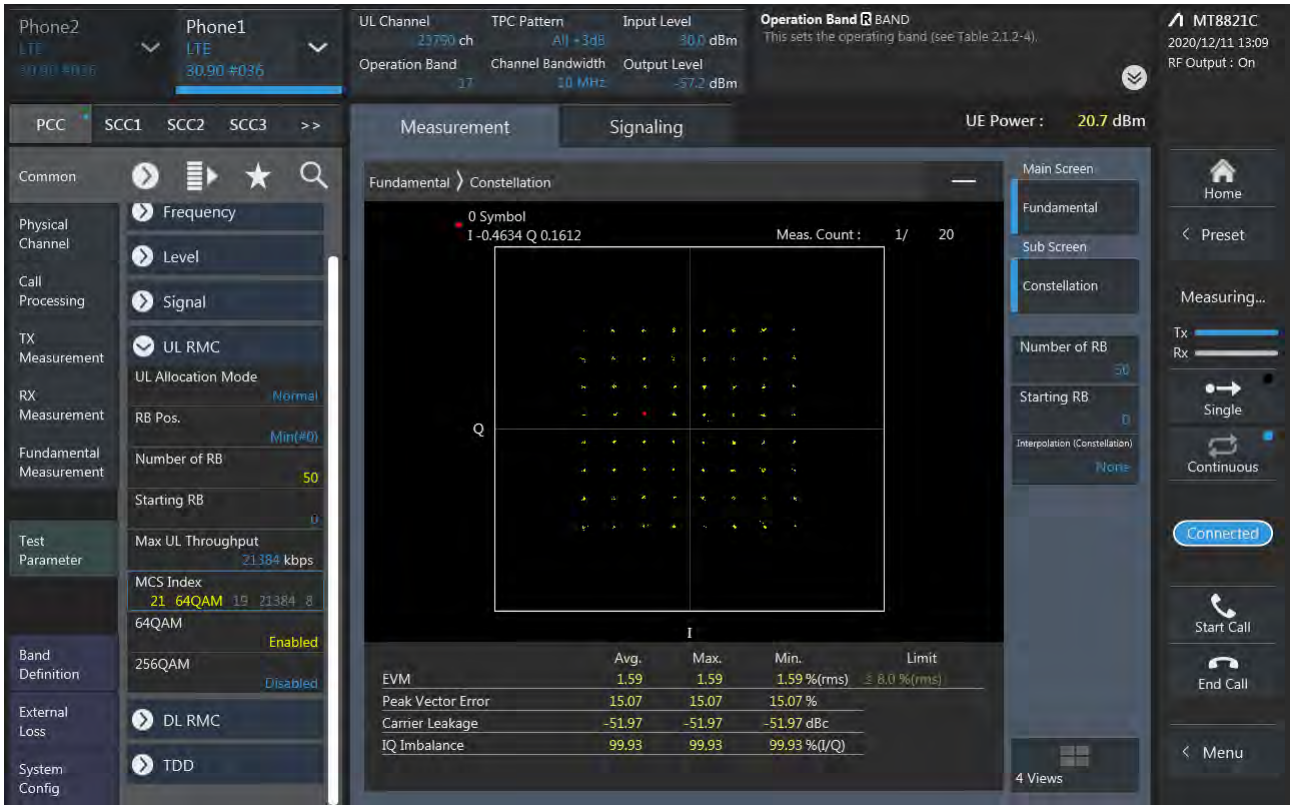
3.3 Test Mode = LTE /TM3 10MHz

3.3.1 Test Channel = MCH



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4 26dB Bandwidth and Occupied Bandwidth

4.1 Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.094	1.281	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.091	1.287	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.094	1.296	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.091	1.296	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.091	1.290	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.094	1.275	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	1.1	1.323	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	1.097	1.284	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	1.097	1.299	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.697	2.988	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.697	2.994	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.697	2.994	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.685	2.970	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.691	2.982	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.691	2.976	PASS
Band12	3MHz	64QAM	23025	15RB#0	2.697	2.988	PASS
Band12	3MHz	64QAM	23095	15RB#0	2.691	2.982	PASS
Band12	3MHz	64QAM	23165	15RB#0	2.697	2.976	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.476	4.930	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.476	4.940	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.476	4.910	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.486	4.980	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.496	4.950	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.476	4.960	PASS
Band12	5MHz	64QAM	23035	25RB#0	4.486	4.960	PASS
Band12	5MHz	64QAM	23095	25RB#0	4.476	4.960	PASS
Band12	5MHz	64QAM	23155	25RB#0	4.466	4.920	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.911	9.720	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.931	9.700	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.911	9.760	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.911	9.720	PASS

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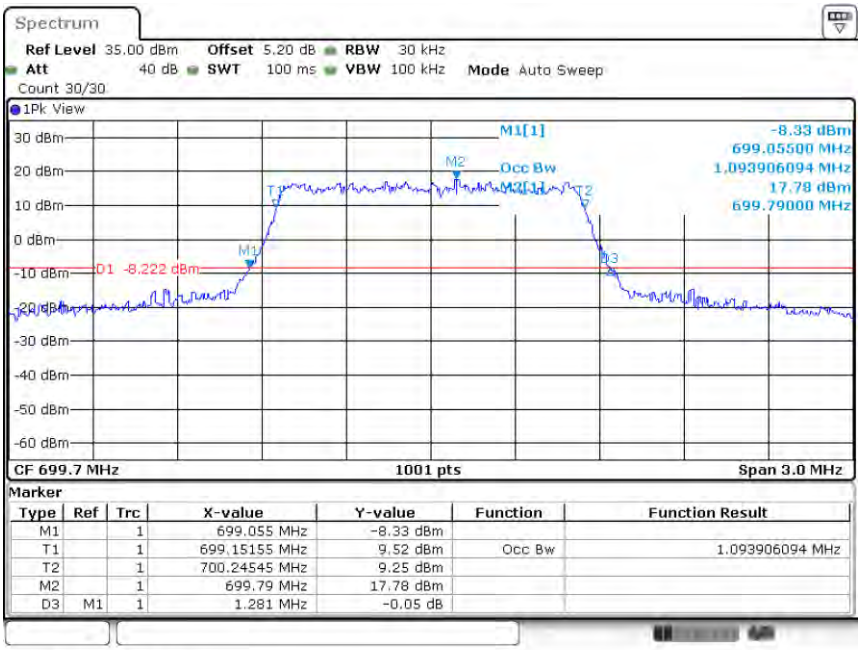
Band12	10MHz	16QAM	23095	50RB#0	8.951	9.720	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.951	9.780	PASS
Band12	10MHz	64QAM	23060	50RB#0	8.911	9.660	PASS
Band12	10MHz	64QAM	23095	50RB#0	8.931	9.680	PASS
Band12	10MHz	64QAM	23130	50RB#0	8.931	9.740	PASS

4.2 Test Plots

Band12-1.4MHz-QPSK-23017-6RB#0-1.094



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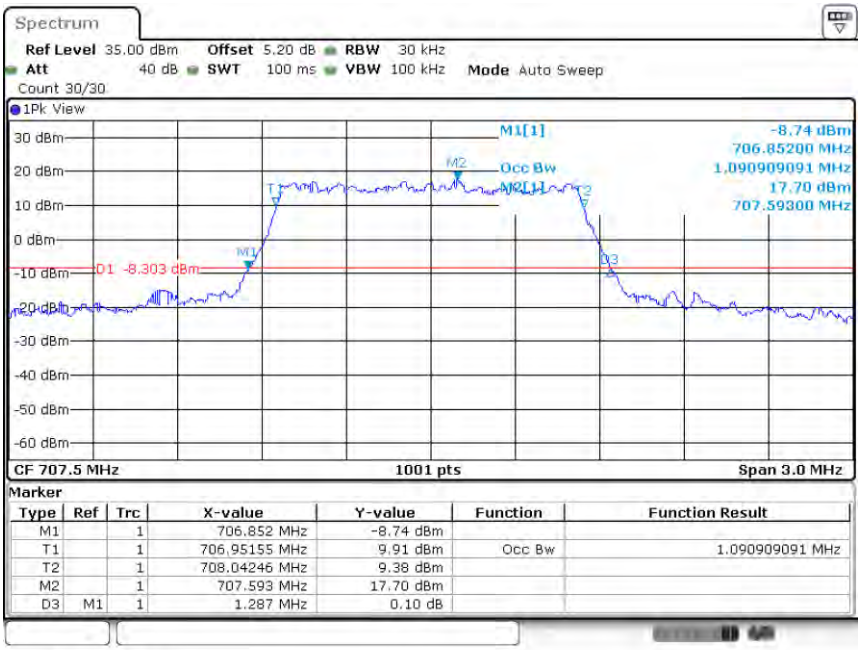
Band12-1.4MHz-QPSK-23095-6RB#0-1.091

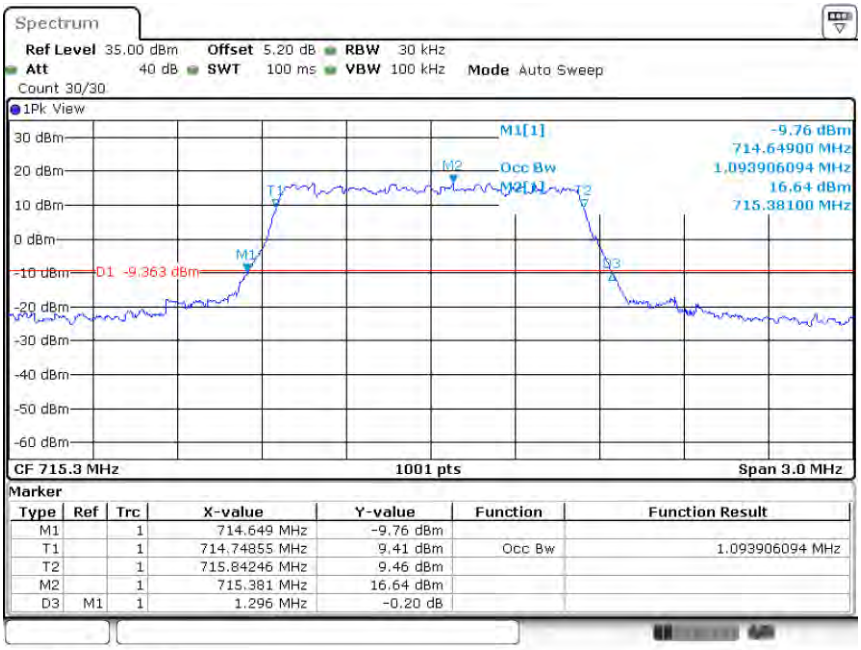


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	706.852 MHz	-8.74 dBm		
T1		1	706.95155 MHz	9.91 dBm	Occ Bw	1.090909091 MHz
T2		1	708.04246 MHz	9.38 dBm		
M2		1	707.593 MHz	17.70 dBm		
D3	M1	1	1.287 MHz	0.10 dB		

Date: 22.OCT.2020 23:03:04

Band12-1.4MHz-QPSK-23173-6RB#0-1.094



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	714.649 MHz	-9.76 dBm		
T1		1	714.74855 MHz	9.41 dBm	Occ Bw	1.093906094 MHz
T2		1	715.84246 MHz	9.46 dBm		
M2		1	715.381 MHz	16.64 dBm		
D3	M1	1	1.296 MHz	-0.20 dB		

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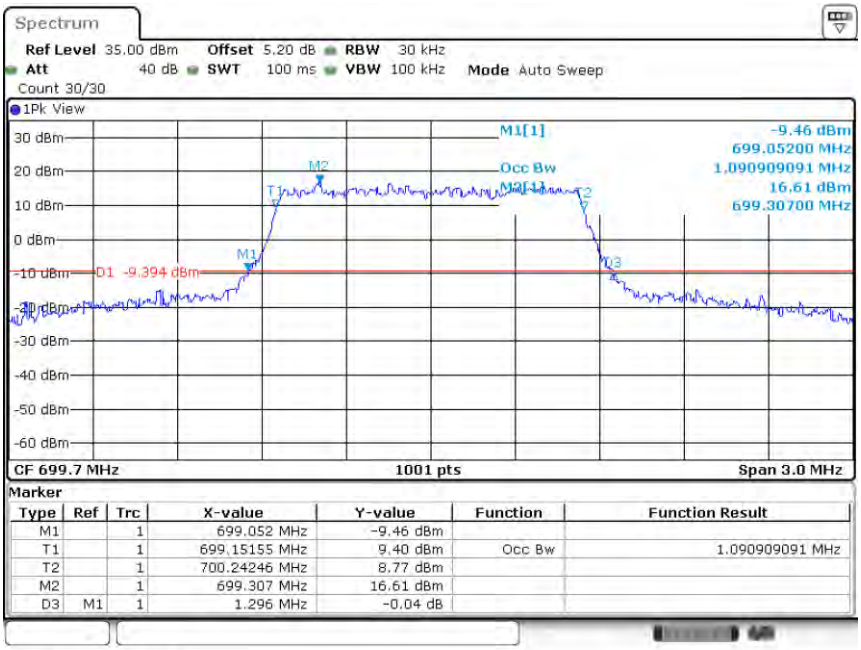

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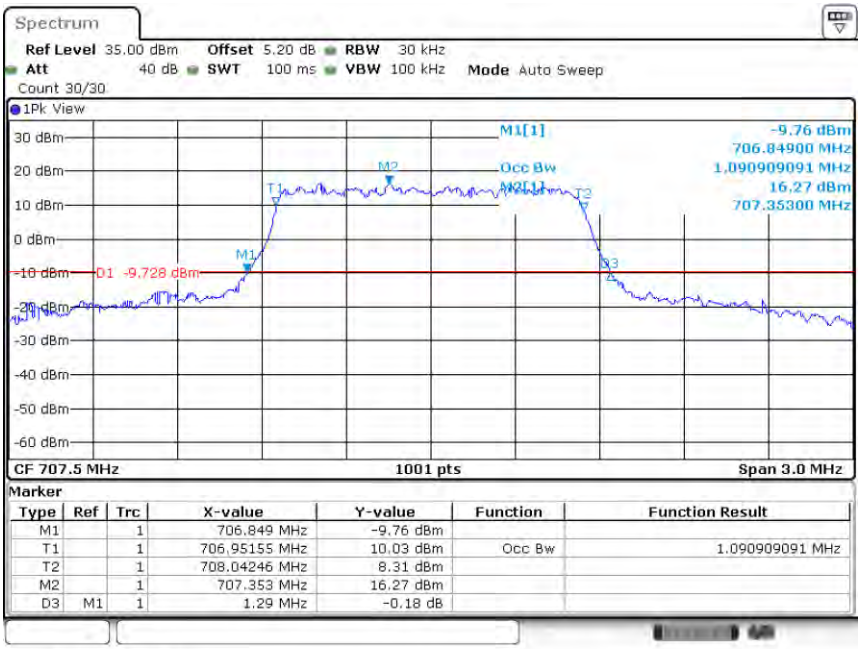
Band12-1.4MHz-16QAM-23095-6RB#0-1.091



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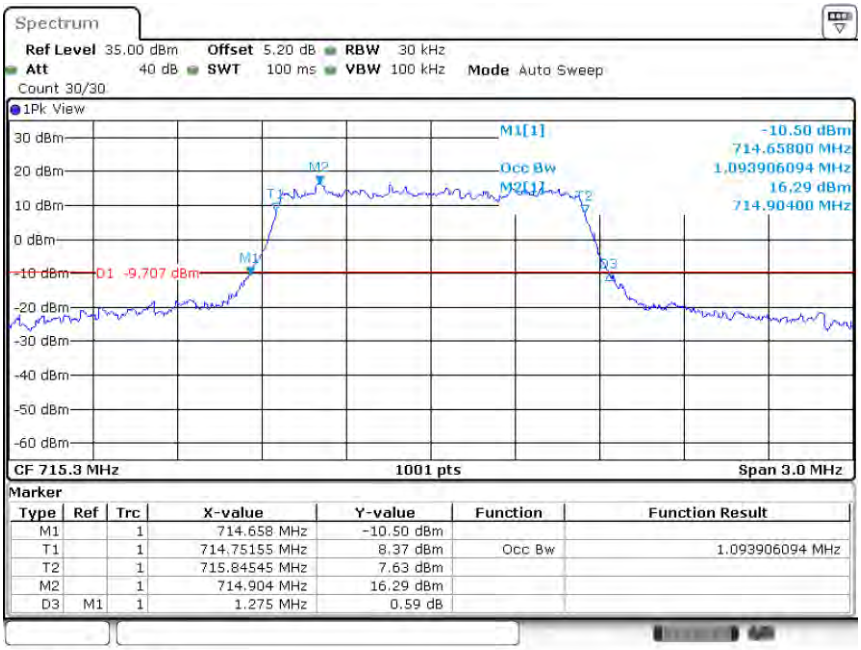
Band12-1.4MHz-16QAM-23173-6RB#0-1.094



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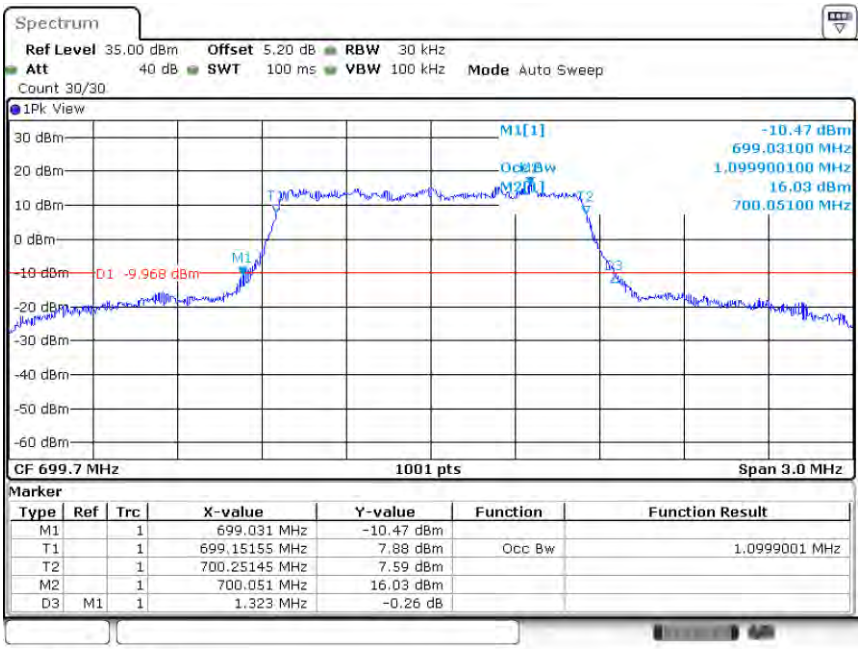

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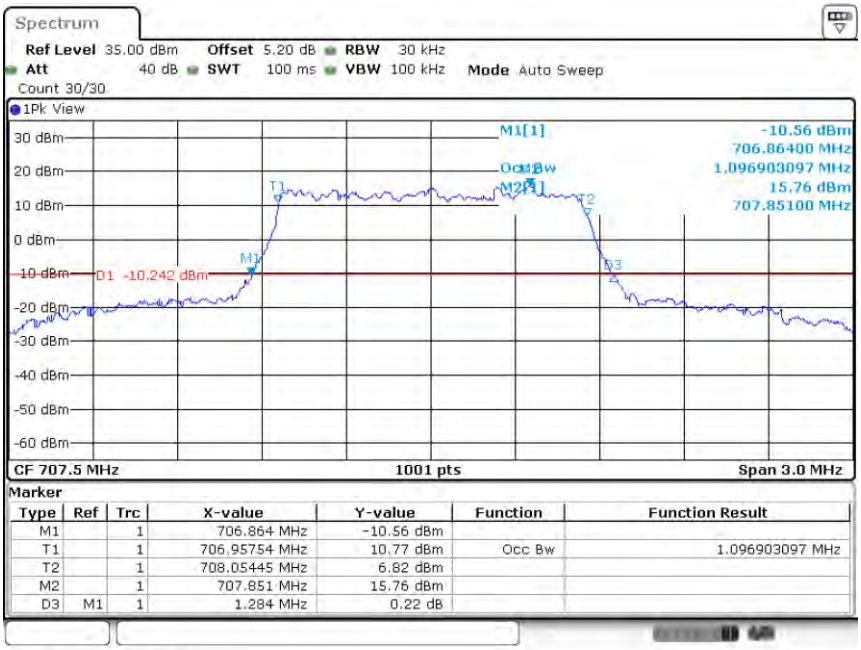
Band12-1.4MHz-64QAM-23095-6RB#0-1.097

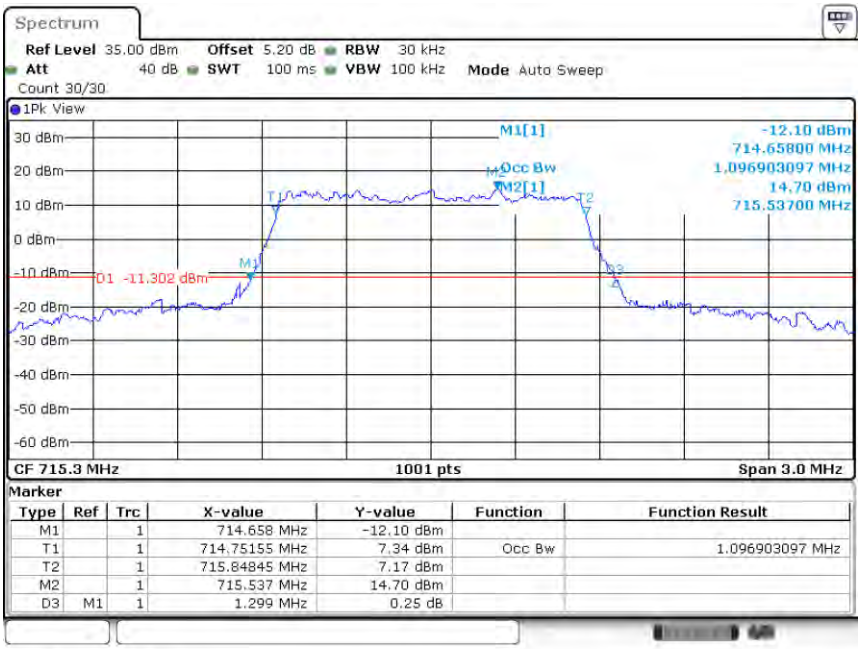


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	706.864 MHz	-10.56 dBm		
T1		1	706.95754 MHz	10.77 dBm	Occ Bw	1.096903097 MHz
T2		1	708.05445 MHz	6.82 dBm		
M2		1	707.851 MHz	15.76 dBm		
D3	M1	1	1.284 MHz	0.22 dB		

Date: 23.OCT.2020 00:17:46

Band12-1.4MHz-64QAM-23173-6RB#0-1.097



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	714.658 MHz	-12.10 dBm		
T1		1	714.75155 MHz	7.34 dBm	Occ Bw	1.096903097 MHz
T2		1	715.84845 MHz	7.17 dBm		
M2		1	715.537 MHz	14.70 dBm		
D3	M1	1	1.299 MHz	0.25 dB		

Date: 23.OCT.2020 00:18:02

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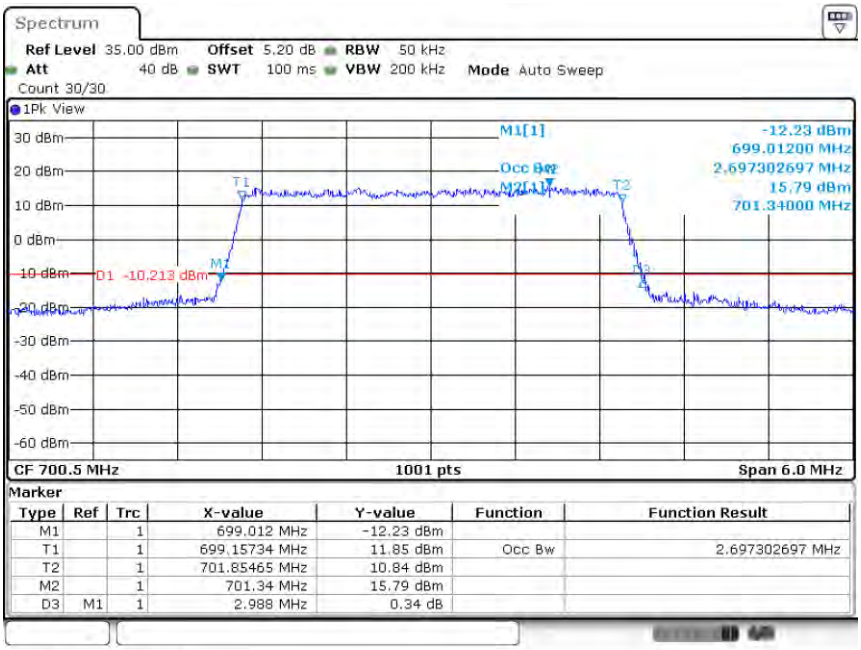
Band12-3MHz-QPSK-23025-15RB#0-2.697



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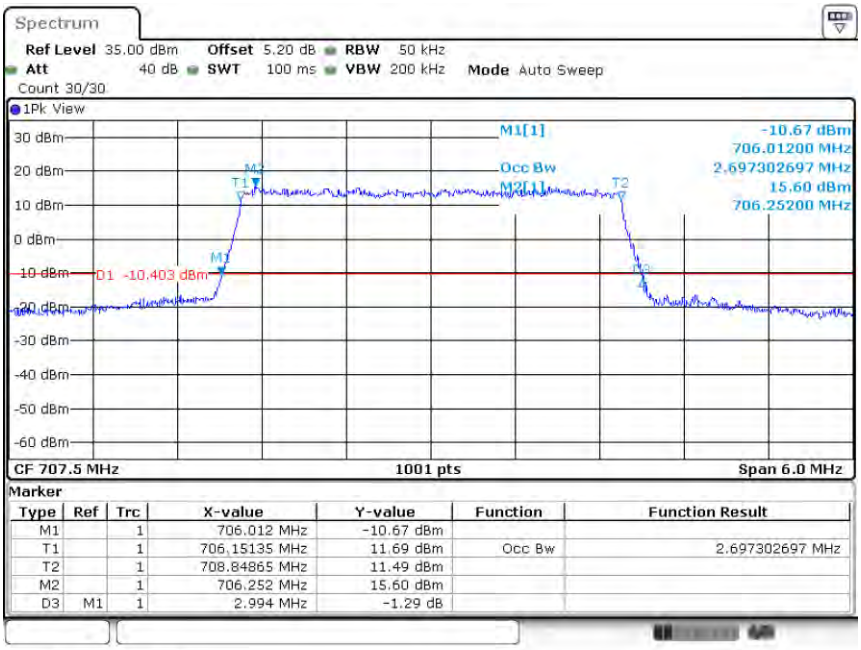
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	699.012 MHz	-12.23 dBm		
T1		1	699.15734 MHz	11.85 dBm	Occ Bw	2.697302697 MHz
T2		1	701.85465 MHz	10.84 dBm		
M2		1	701.34 MHz	15.79 dBm		
D3	M1	1	2.988 MHz	0.34 dB		

Date: 22.OCT.2020 23:04:15

Band12-3MHz-QPSK-23095-15RB#0-2.697



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	706.012 MHz	-10.67 dBm		
T1		1	706.15135 MHz	11.69 dBm	Occ Bw	2.697302697 MHz
T2		1	708.84865 MHz	11.49 dBm		
M2		1	706.252 MHz	15.60 dBm		
D3	M1	1	2.994 MHz	-1.29 dB		

Date: 22.OCT.2020 23:04:47

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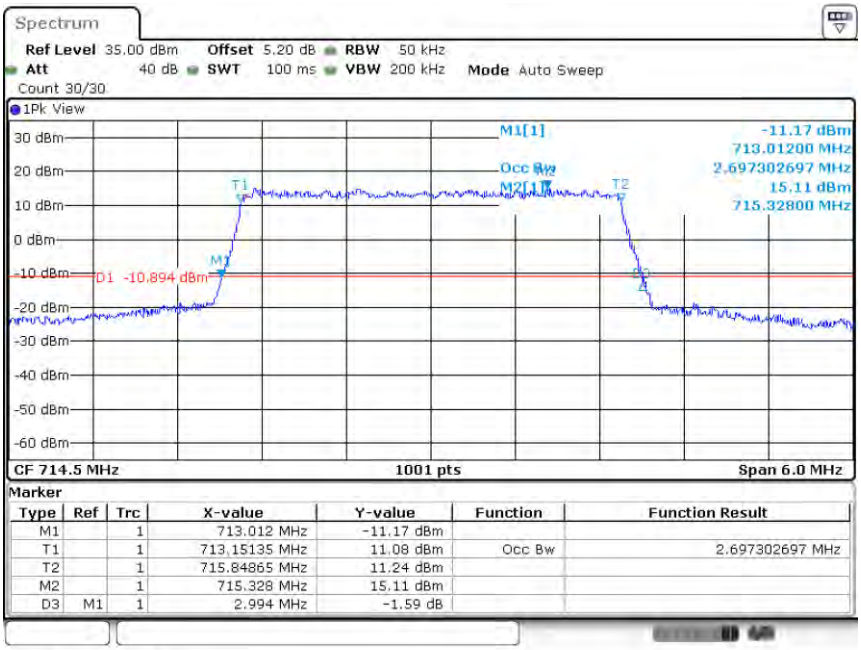
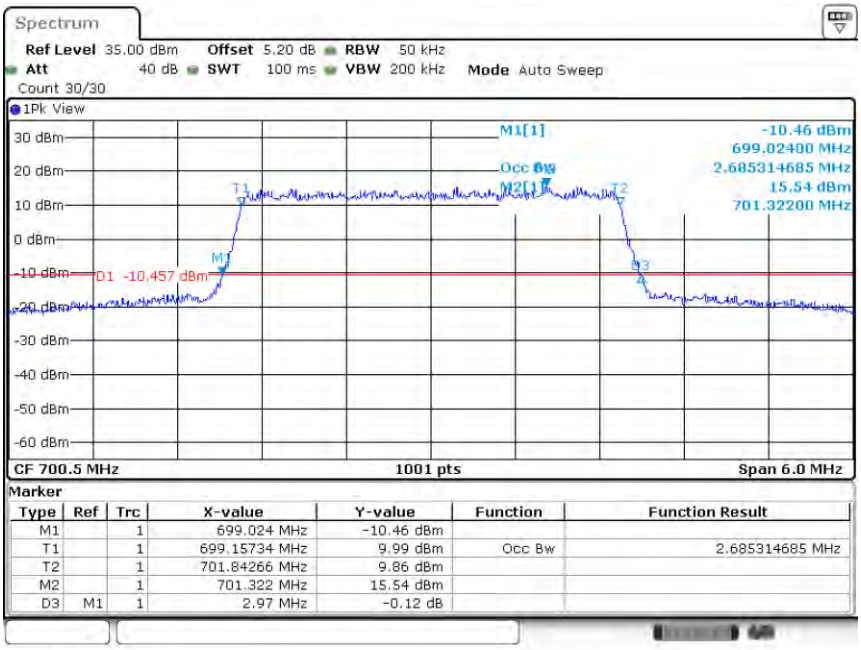
Band12-3MHz-QPSK-23165-15RB#0-2.697



Date: 22.OCT.2020 23:05:19

Band12-3MHz-16QAM-23025-15RB#0-2.685



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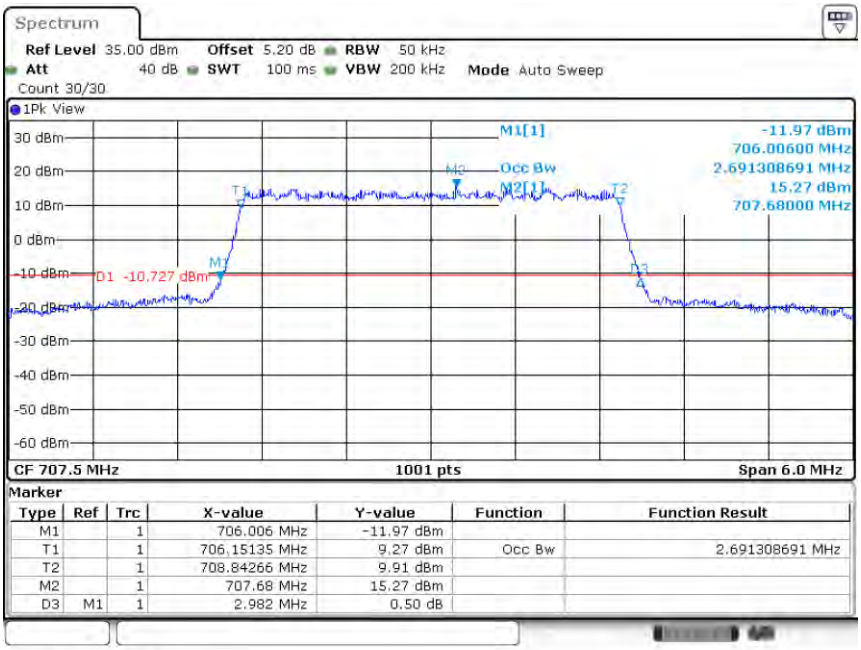
Band12-3MHz-16QAM-23095-15RB#0-2.691



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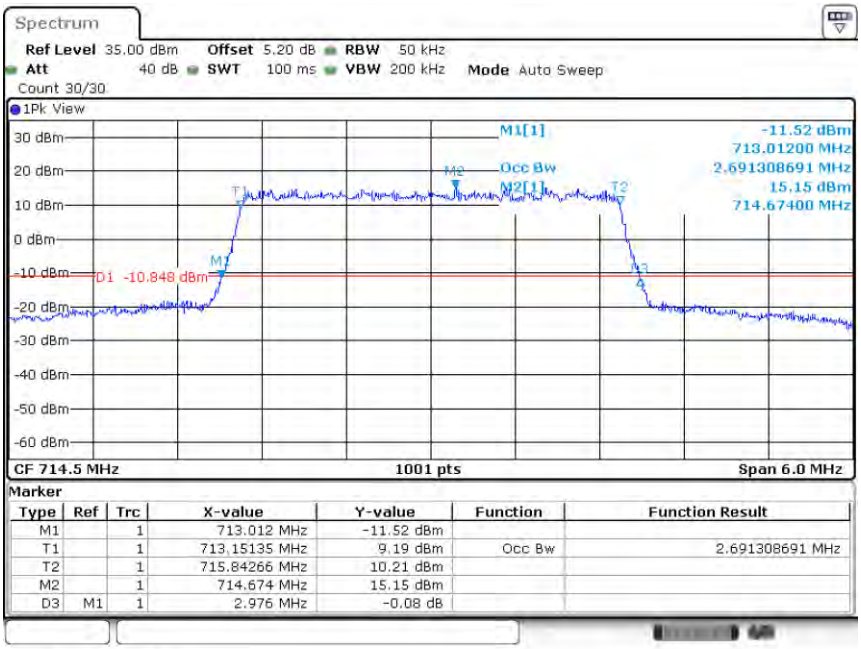
Band12-3MHz-16QAM-23165-15RB#0-2.691



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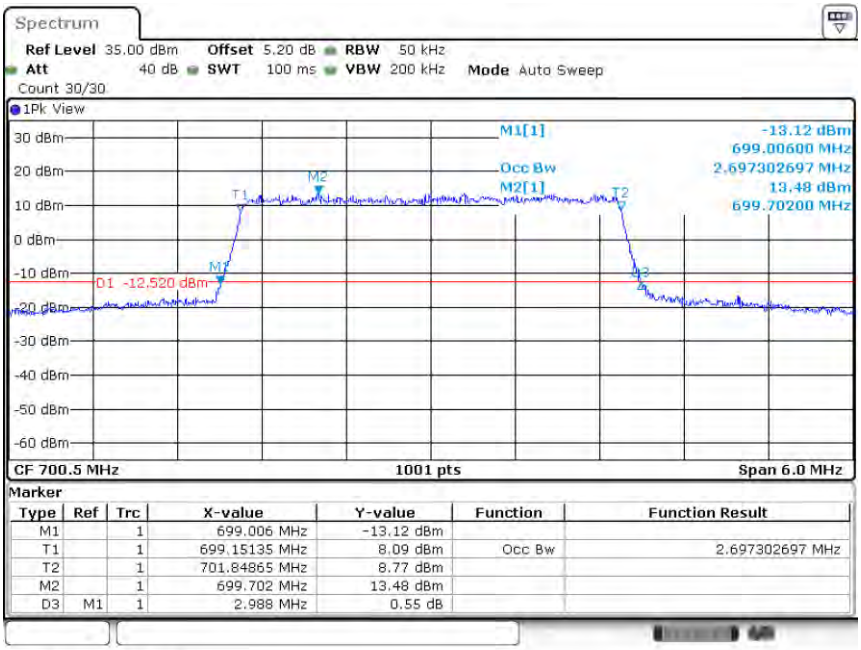
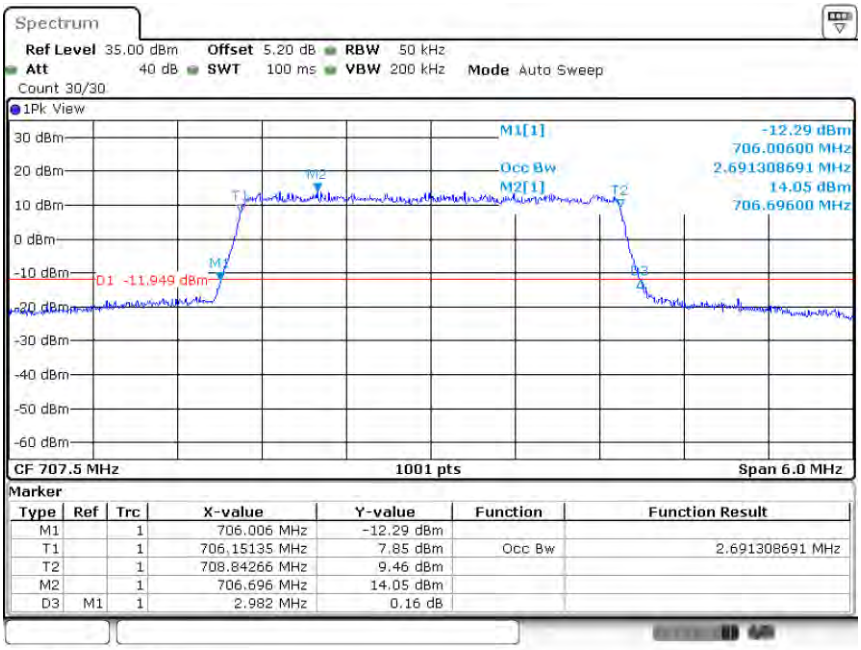


Date: 23.OCT.2020 00:18:25

Band12-3MHz-64QAM-23095-15RB#0-2.691



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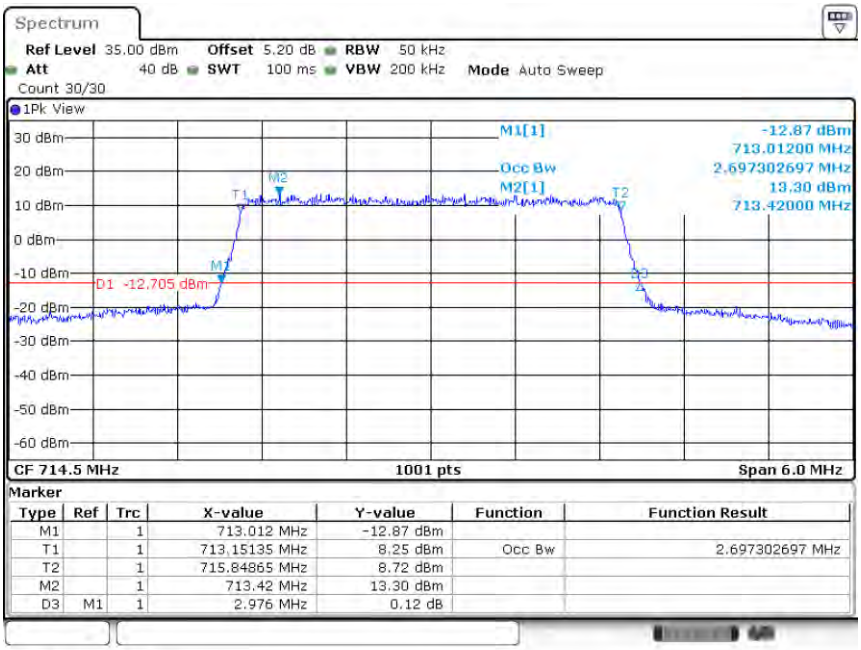
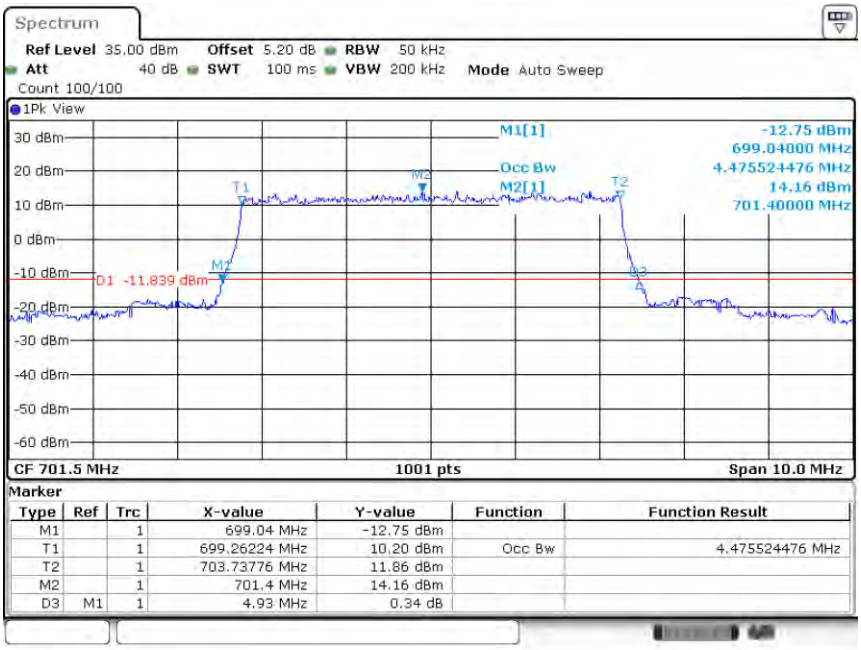


Date: 23.OCT.2020 00:18:58

Band12-5MHz-QPSK-23035-25RB#0-4.476



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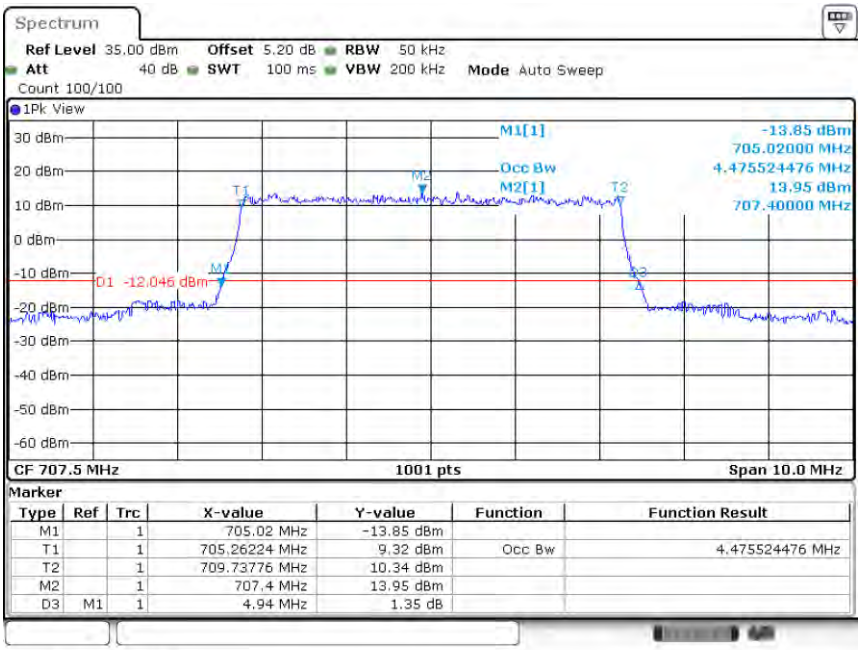
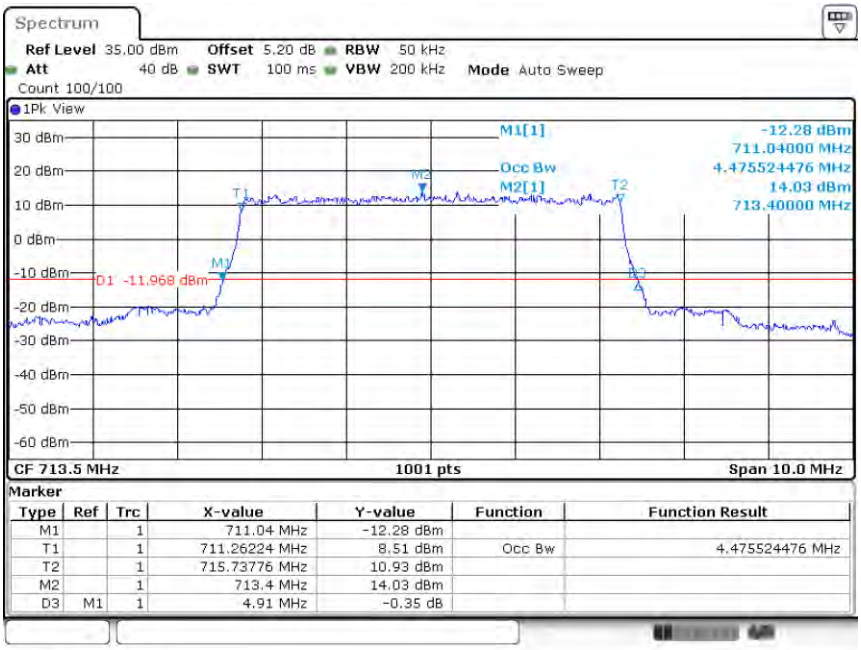


Date: 22.OCT.2020 23:06:50

Band12-5MHz-QPSK-23155-25RB#0-4.476



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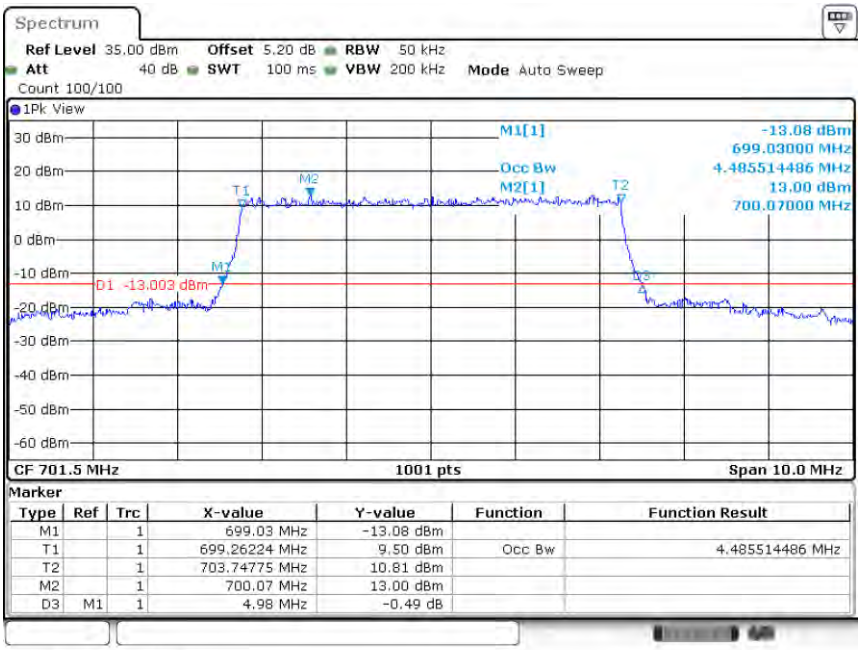
Band12-5MHz-16QAM-23035-25RB#0-4.486



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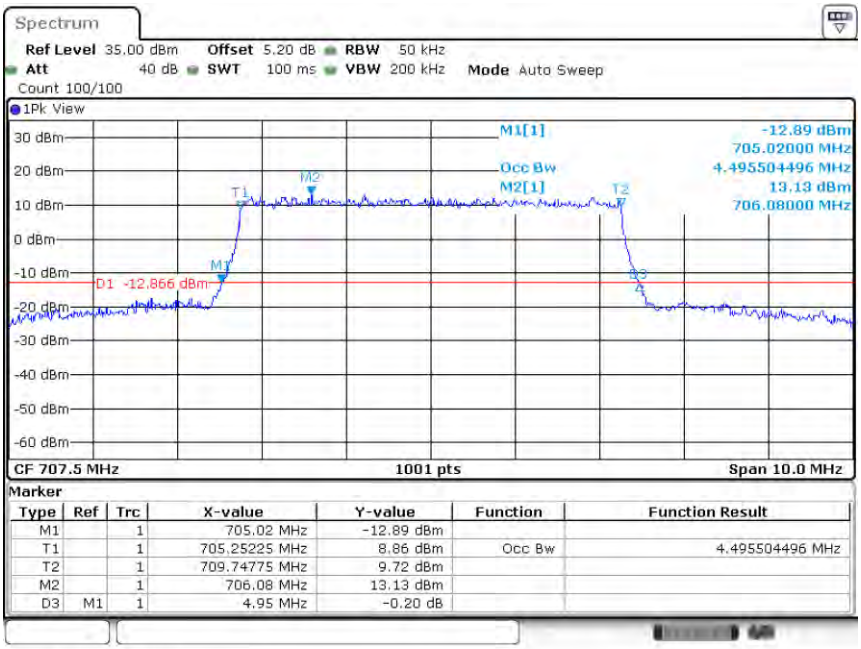
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	699.03 MHz	-13.08 dBm		
T1		1	699.26224 MHz	9.50 dBm	Occ Bw	4.485514486 MHz
T2		1	703.74775 MHz	10.81 dBm		
M2		1	700.07 MHz	13.00 dBm		
D3	M1	1	4.98 MHz	-0.49 dB		

Date: 22.OCT.2020 23:06:27

Band12-5MHz-16QAM-23095-25RB#0-4.496



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	705.02 MHz	-12.89 dBm		
T1		1	705.25225 MHz	8.86 dBm	Occ Bw	4.495504496 MHz
T2		1	709.74775 MHz	9.72 dBm		
M2		1	706.08 MHz	13.13 dBm		
D3	M1	1	4.95 MHz	-0.20 dB		

Date: 22.OCT.2020 23:07:13

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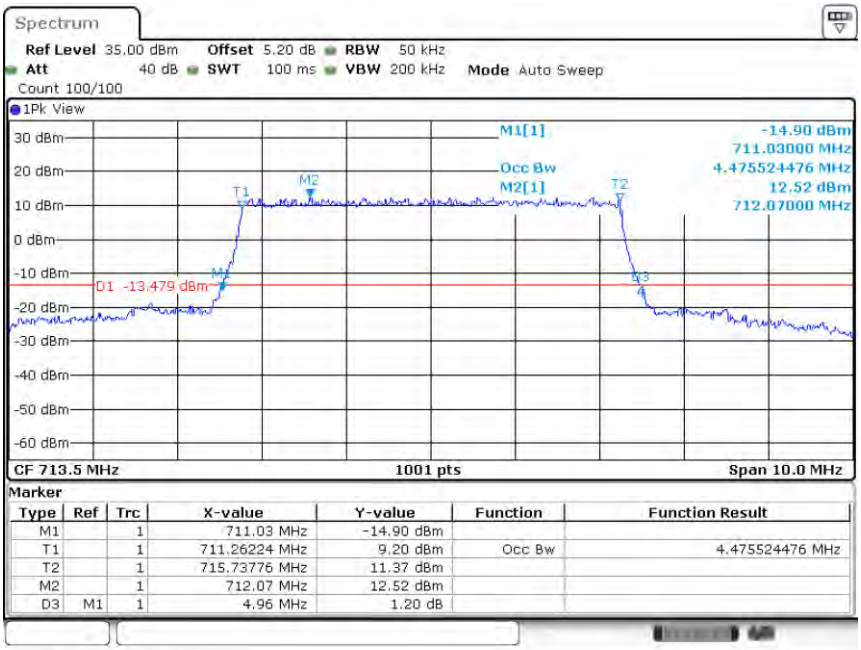
Band12-5MHz-16QAM-23155-25RB#0-4.476



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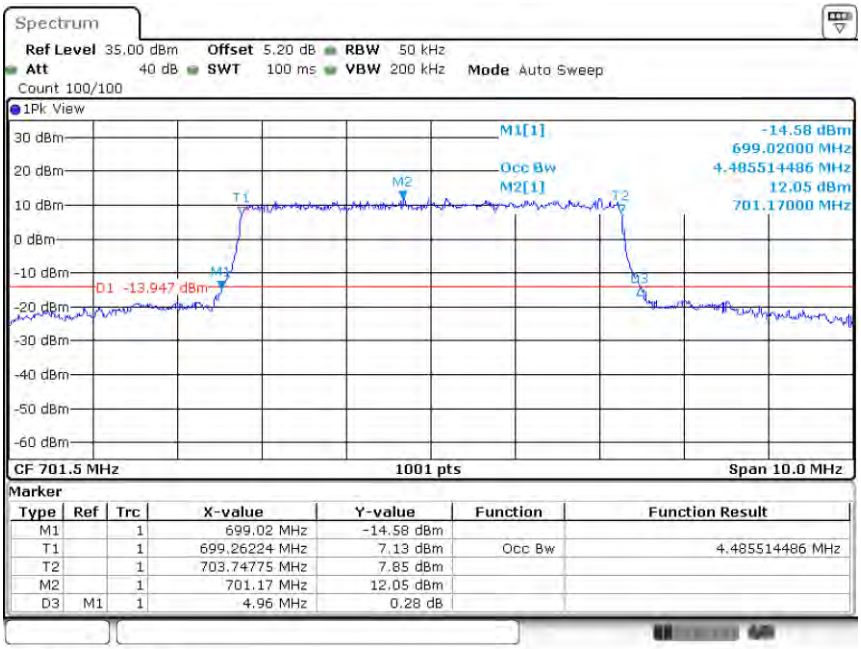
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	711.03 MHz	-14.90 dBm		
T1		1	711.26224 MHz	9.20 dBm	Occ Bw	4.475524476 MHz
T2		1	715.73776 MHz	11.37 dBm		
M2		1	712.07 MHz	12.52 dBm		
D3	M1	1	4.96 MHz	1.20 dB		

Date: 22.OCT.2020 23:08:00

Band12-5MHz-64QAM-23035-25RB#0-4.486



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	699.02 MHz	-14.58 dBm		
T1		1	699.26224 MHz	7.13 dBm	Occ Bw	4.485514486 MHz
T2		1	703.74775 MHz	7.85 dBm		
M2		1	701.17 MHz	12.05 dBm		
D3	M1	1	4.96 MHz	0.28 dB		

Date: 23.OCT.2020 00:19:28

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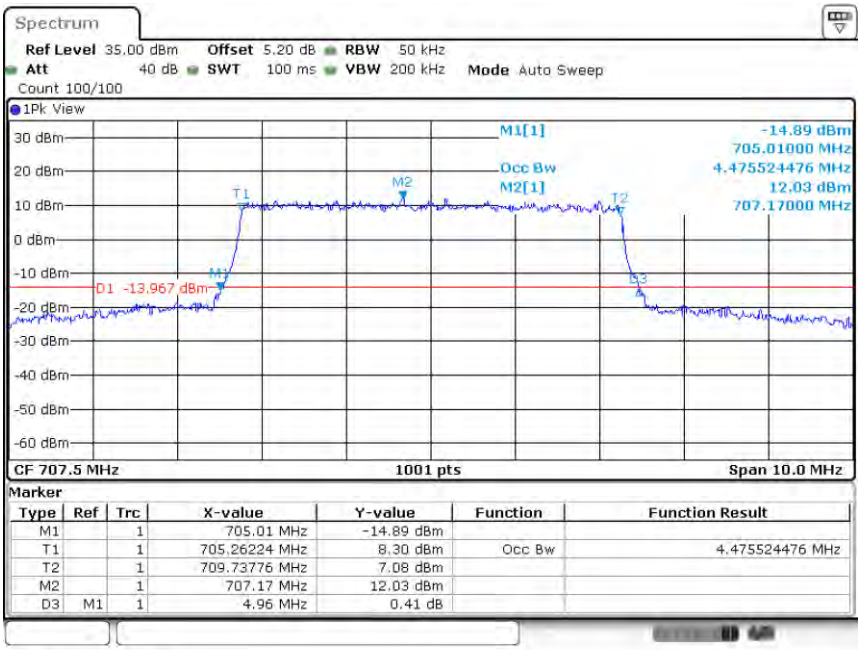
Band12-5MHz-64QAM-23095-25RB#0-4.476

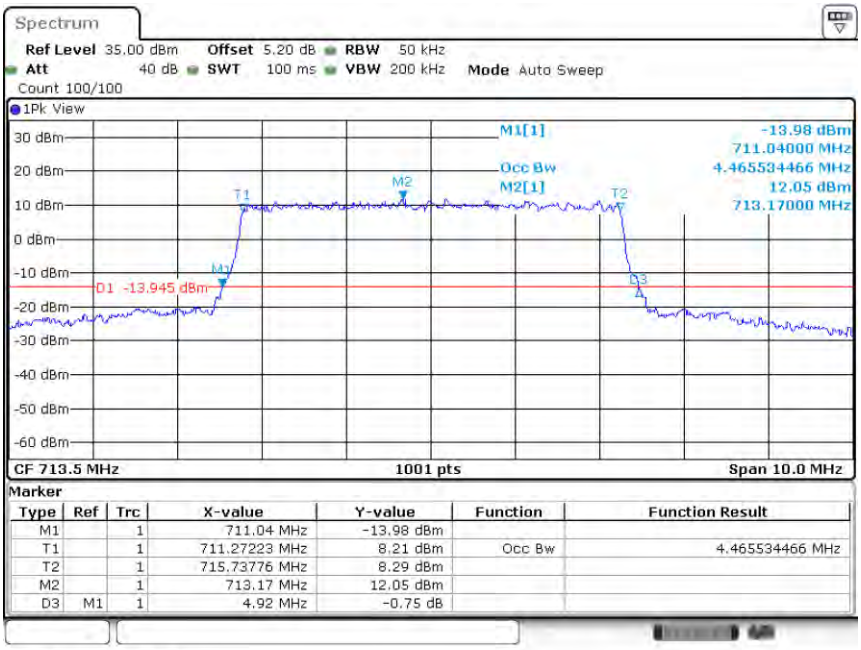


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	705.01 MHz	-14.89 dBm		
T1		1	705.26224 MHz	8.30 dBm	Occ Bw	4.475524476 MHz
T2		1	709.73776 MHz	7.08 dBm		
M2		1	707.17 MHz	12.03 dBm		
D3	M1	1	4.96 MHz	0.41 dB		

Date: 23.OCT.2020 00:19:52

Band12-5MHz-64QAM-23155-25RB#0-4.466



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	711.04 MHz	-13.98 dBm		
T1		1	711.27223 MHz	8.21 dBm	Occ Bw	4.465534466 MHz
T2		1	715.73776 MHz	8.29 dBm		
M2		1	713.17 MHz	12.05 dBm		
D3	M1	1	4.92 MHz	-0.75 dB		

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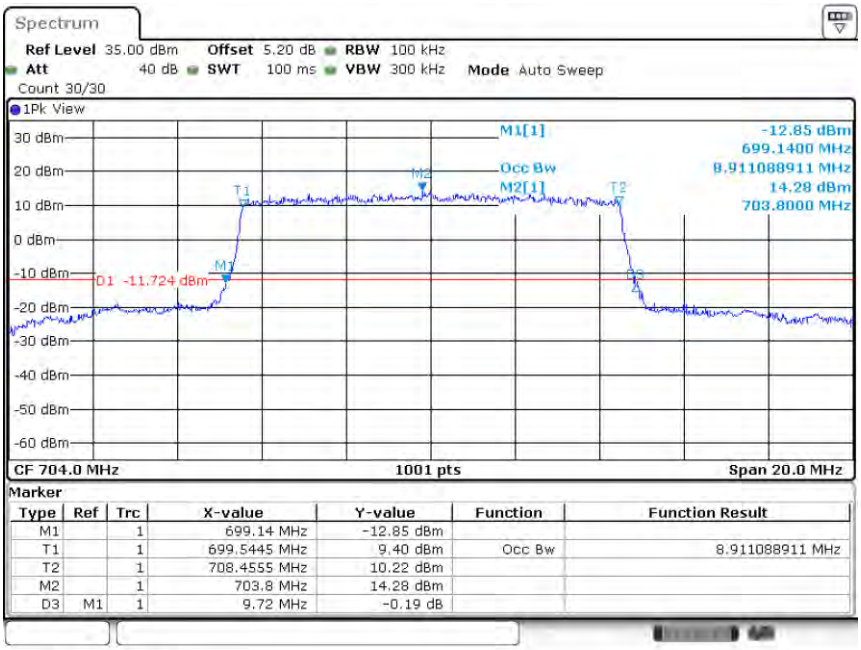
Band12-10MHz-QPSK-23060-50RB#0-8.911



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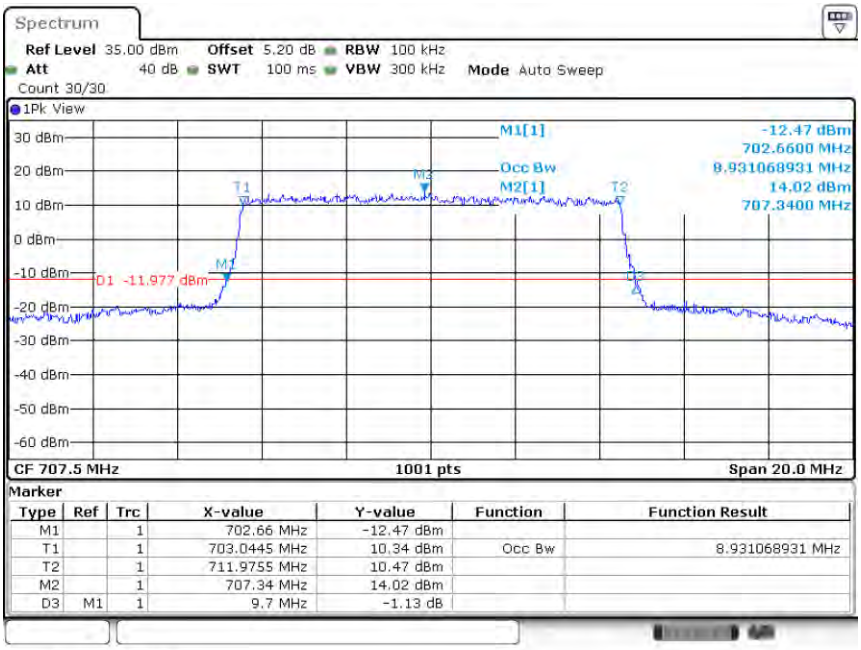
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	699.14 MHz	-12.85 dBm		
T1		1	699.5445 MHz	9.40 dBm	Occ Bw	8.911088911 MHz
T2		1	708.4555 MHz	10.22 dBm		
M2		1	703.8 MHz	14.28 dBm		
D3	M1	1	9.72 MHz	-0.19 dB		

Date: 22.OCT.2020 23:08:23

Band12-10MHz-QPSK-23095-50RB#0-8.931



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	702.66 MHz	-12.47 dBm		
T1		1	703.0445 MHz	10.34 dBm	Occ Bw	8.931068931 MHz
T2		1	711.9755 MHz	10.47 dBm		
M2		1	707.34 MHz	14.02 dBm		
D3	M1	1	9.7 MHz	-1.13 dB		

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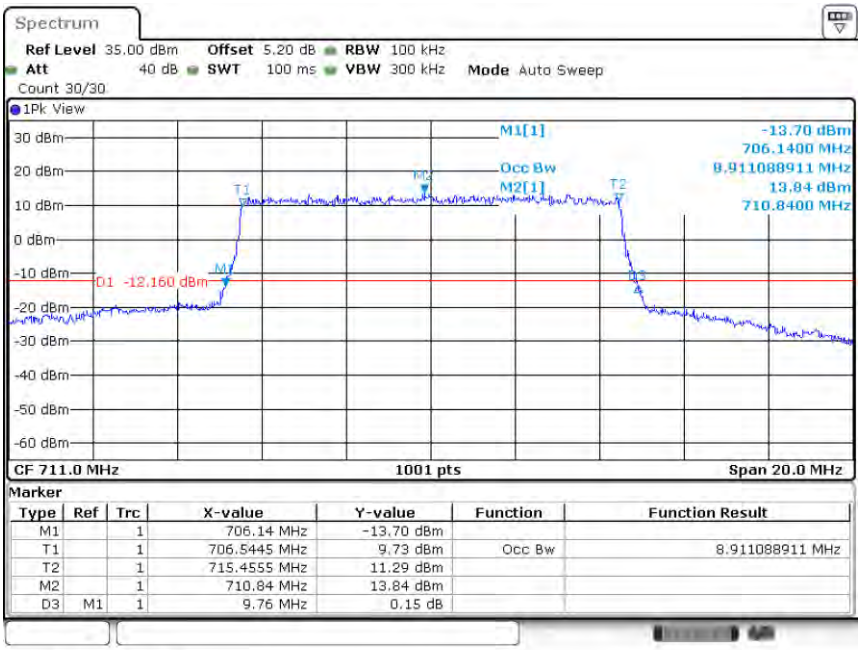
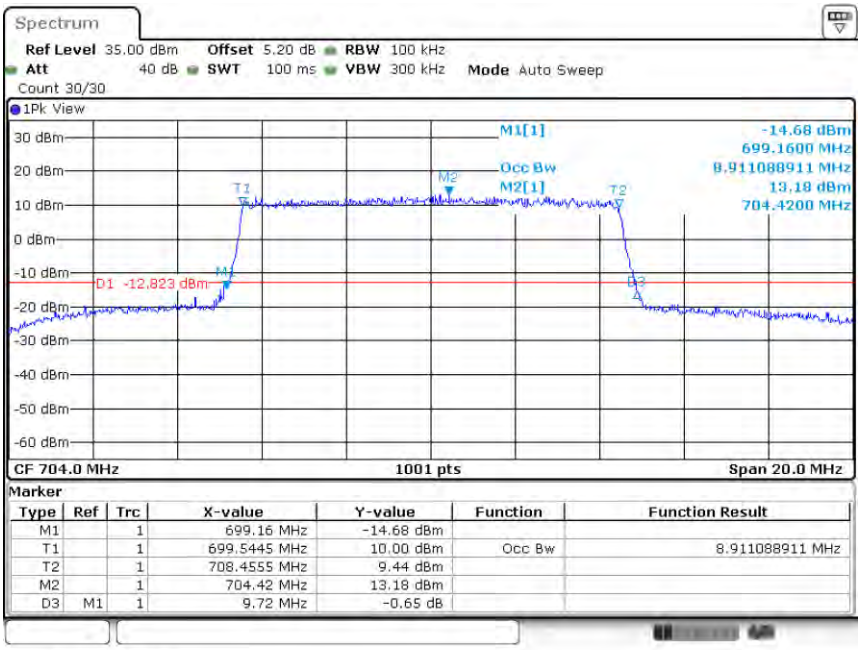
Band12-10MHz-QPSK-23130-50RB#0-8.911



Date: 22.OCT.2020 23:09:27

Band12-10MHz-16QAM-23060-50RB#0-8.911



Date: 22.OCT.2020 23:08:39

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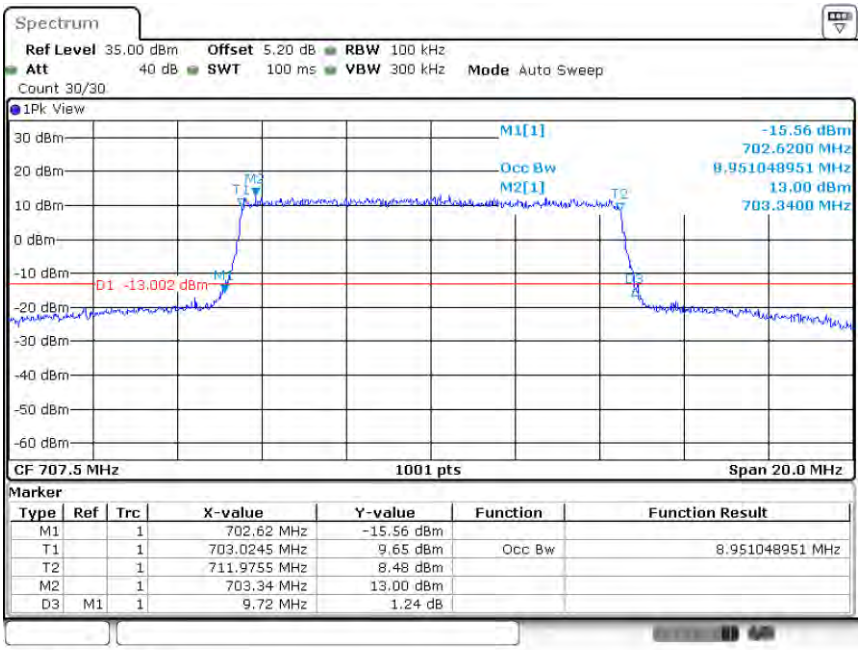
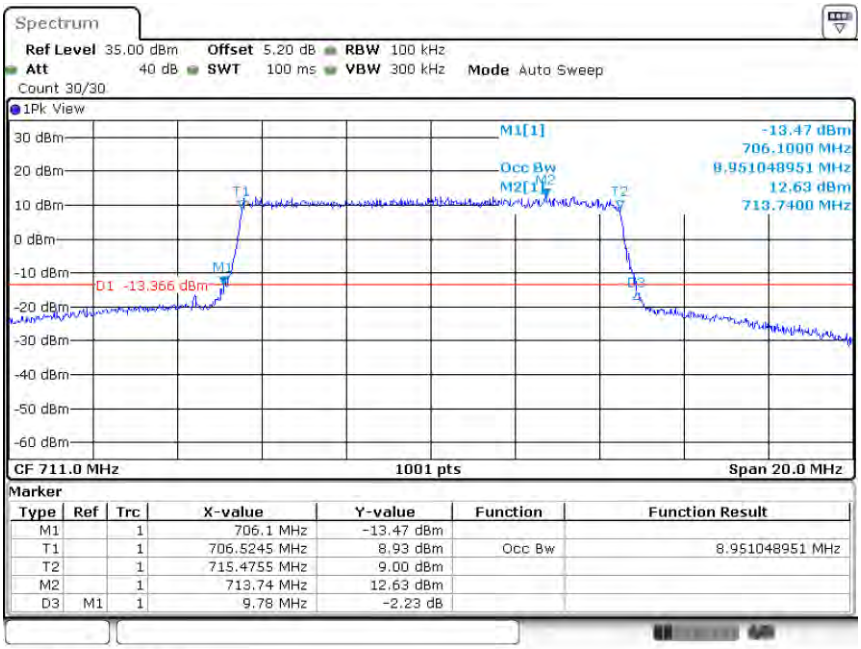
Band12-10MHz-16QAM-23095-50RB#0-8.951



Date: 22.OCT.2020 23:09:11

Band12-10MHz-16QAM-23130-50RB#0-8.951



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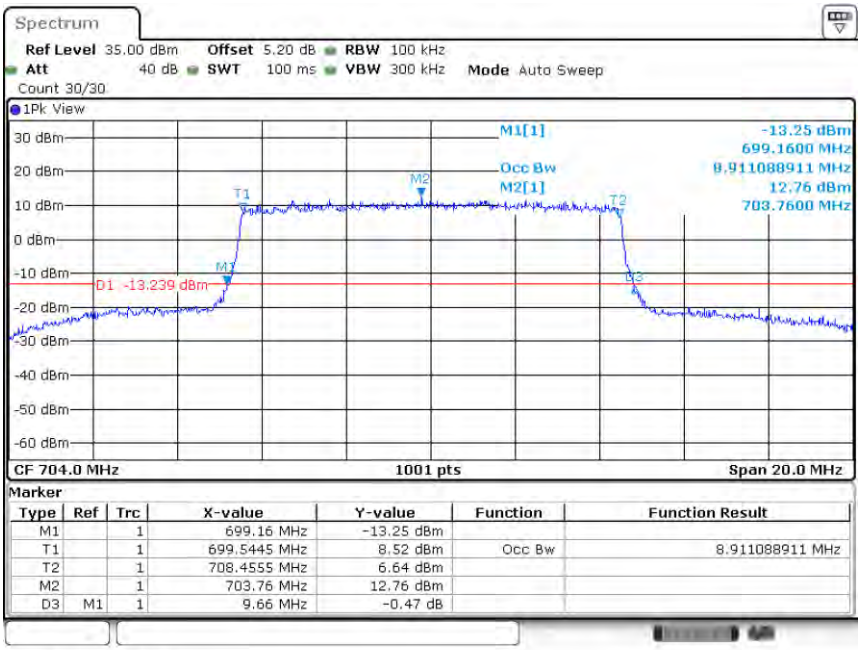
Band12-10MHz-64QAM-23060-50RB#0-8.911

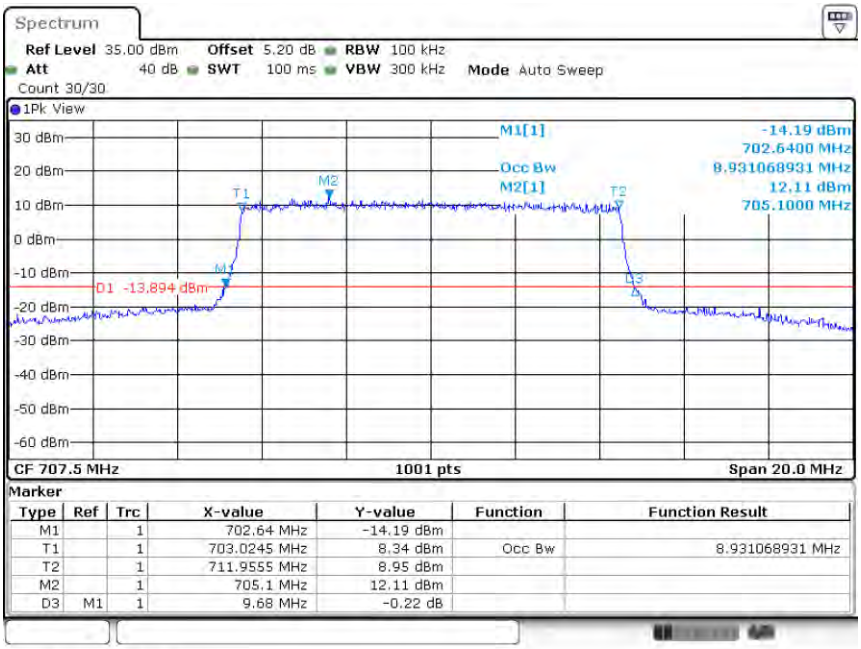


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	699.16 MHz	-13.25 dBm		
T1		1	699.5445 MHz	8.52 dBm	Occ Bw	8.911088911 MHz
T2		1	708.4555 MHz	6.64 dBm		
M2		1	703.76 MHz	12.76 dBm		
D3	M1	1	9.66 MHz	-0.47 dB		

Date: 23.OCT.2020 00:33:39

Band12-10MHz-64QAM-23095-50RB#0-8.931



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	702.64 MHz	-14.19 dBm		
T1		1	703.0245 MHz	8.34 dBm	Occ Bw	8.931068931 MHz
T2		1	711.9555 MHz	8.95 dBm		
M2		1	705.1 MHz	12.11 dBm		
D3	M1	1	9.68 MHz	-0.22 dB		

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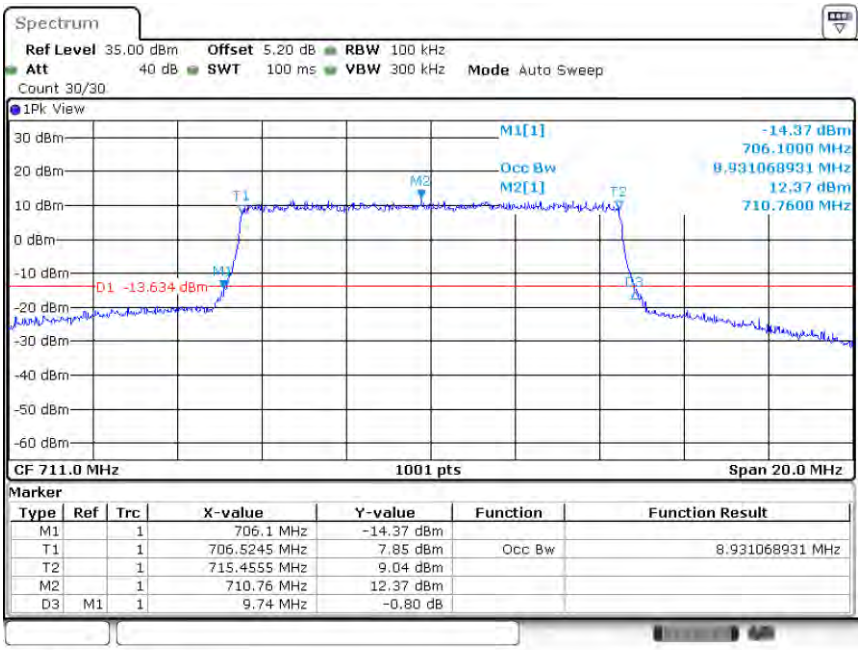

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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	706.1 MHz	-14.37 dBm		
T1		1	706.5245 MHz	7.85 dBm	Occ Bw	8.931068931 MHz
T2		1	715.4555 MHz	9.04 dBm		
M2		1	710.76 MHz	12.37 dBm		
D3	M1	1	9.74 MHz	-0.80 dB		

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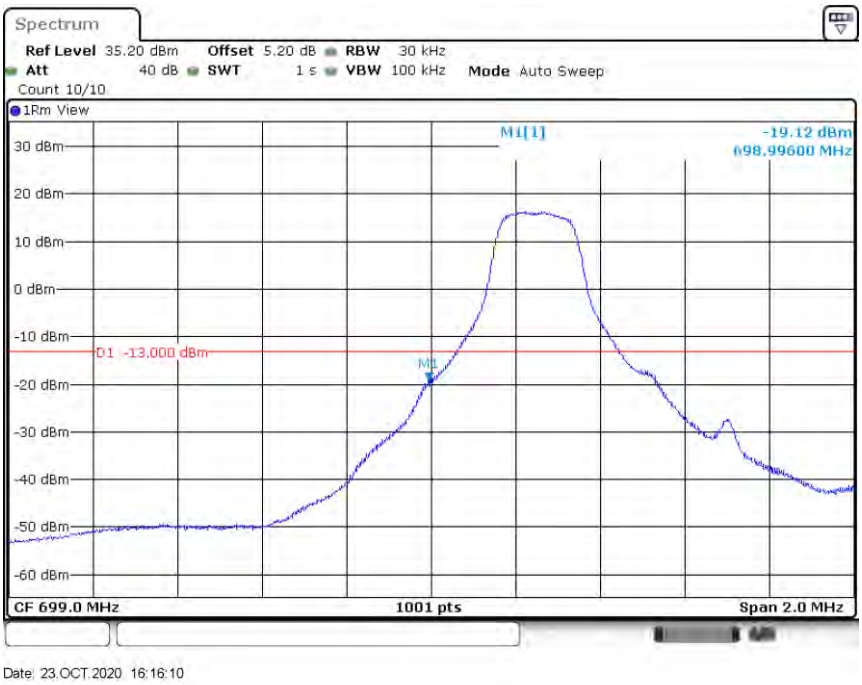
5 Band Edge Compliance

5.1 Test Plots

Band12-1.4MHz-QPSK-23017-1RB#0



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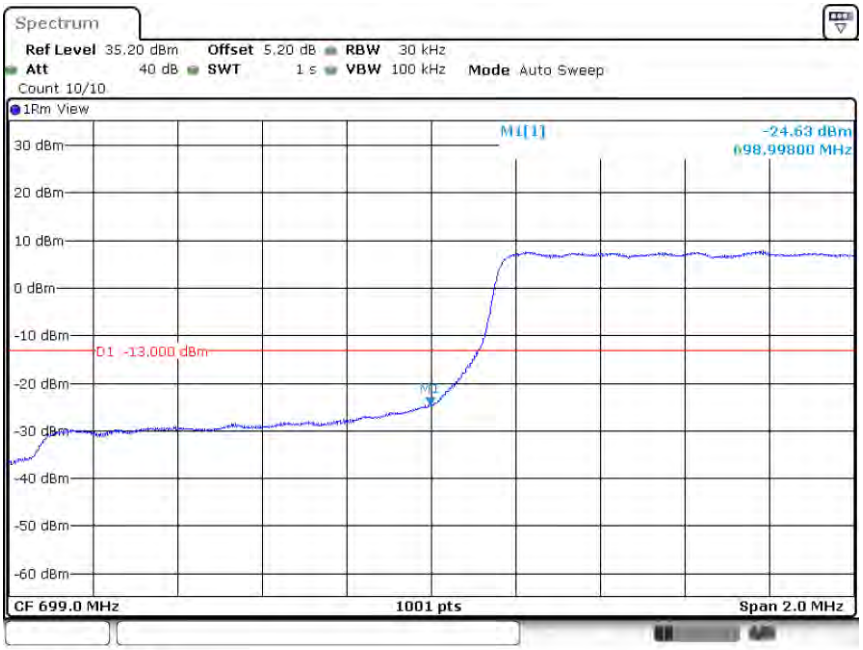
Band12-1.4MHz-QPSK-23017-6RB#0



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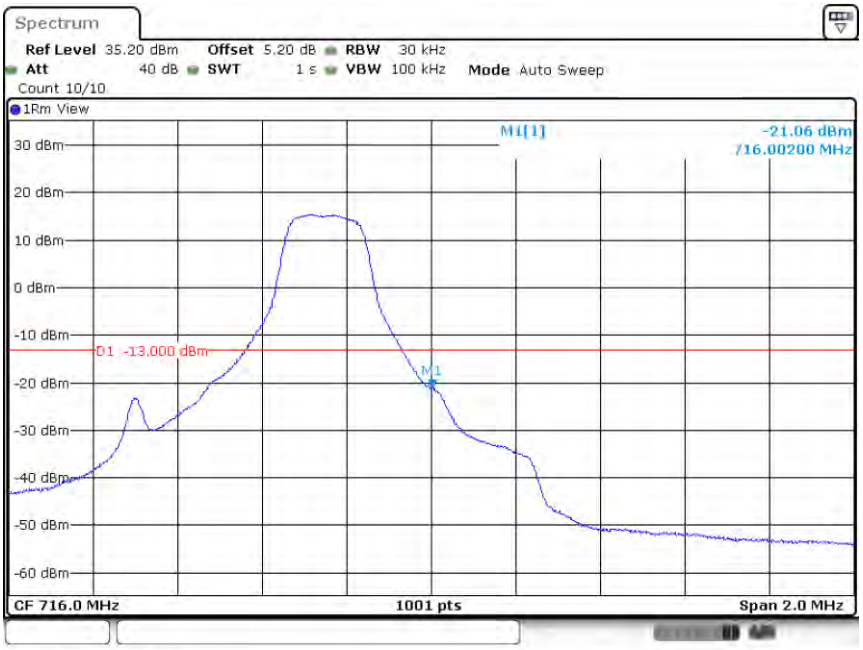
Band12-1.4MHz-QPSK-23173-1RB#5



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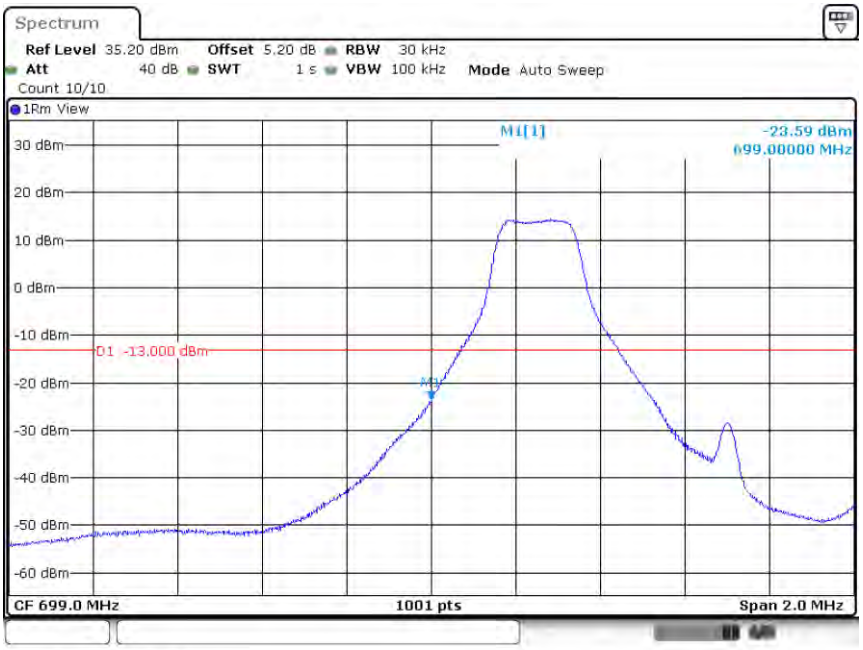
Band12-1.4MHz-QPSK-23173-6RB#0

Date: 23.OCT.2020 16:18:17

Band12-1.4MHz-64QAM-23017-1RB#0



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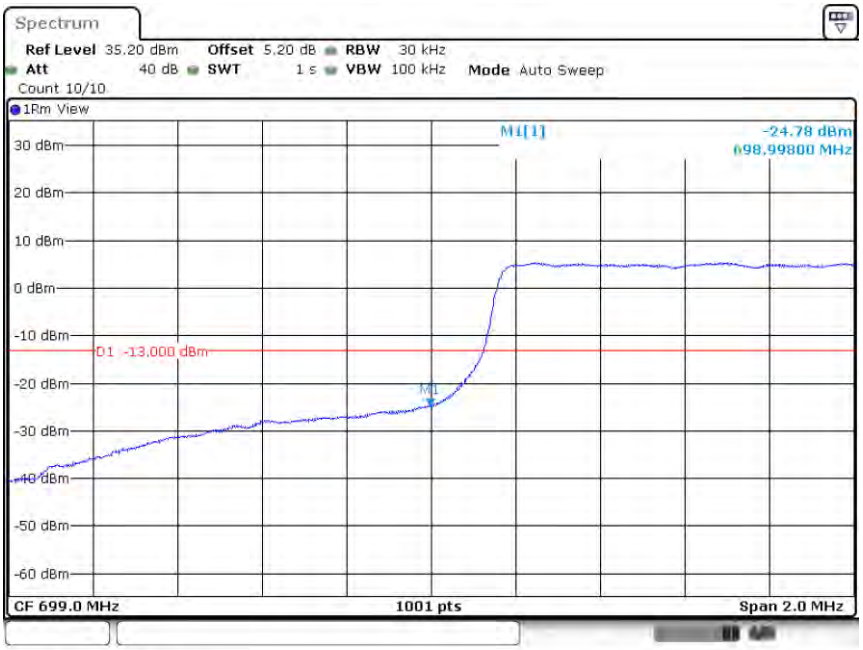
Band12-1.4MHz-64QAM-23017-6RB#0



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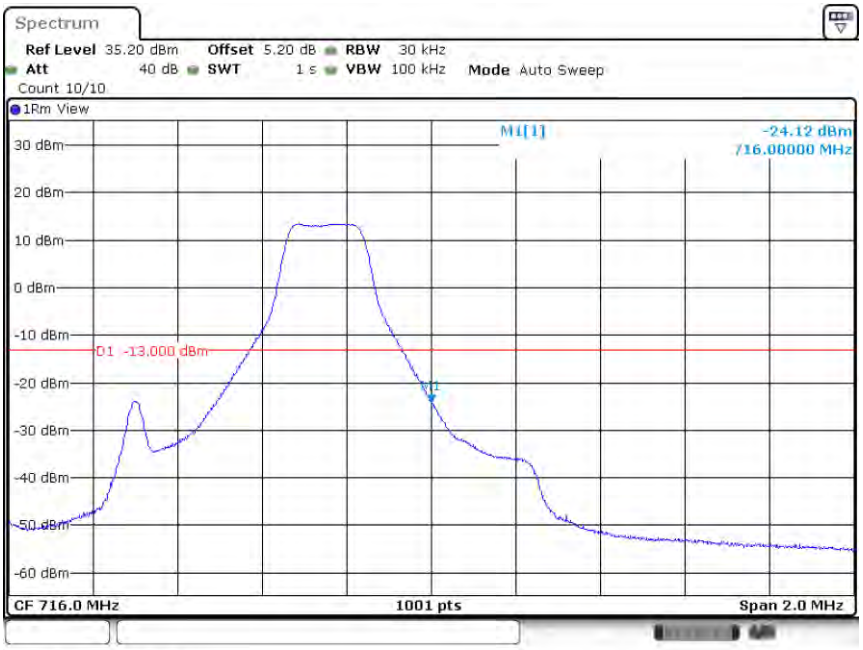
Band12-1.4MHz-64QAM-23173-1RB#5



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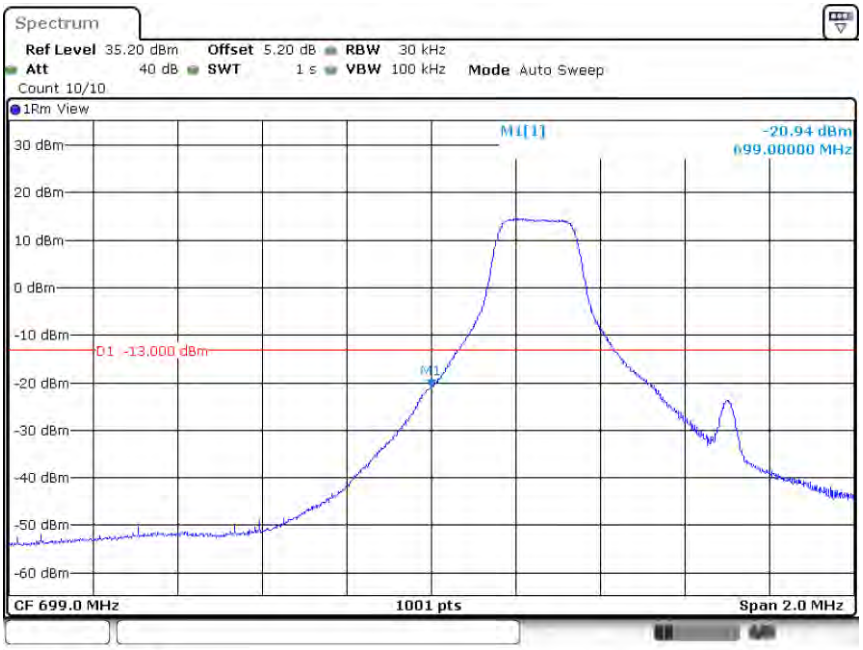
Band12-1.4MHz-64QAM-23173-6RB#0

Date: 23.OCT.2020 16:46:47

Band12-1.4MHz-16QAM-23017-1RB#0



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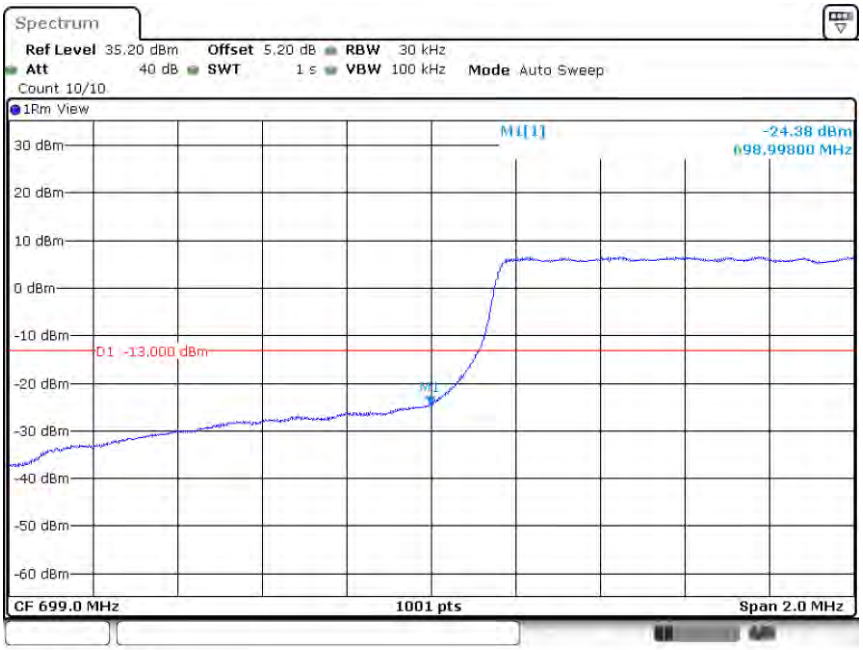
Band12-1.4MHz-16QAM-23017-6RB#0



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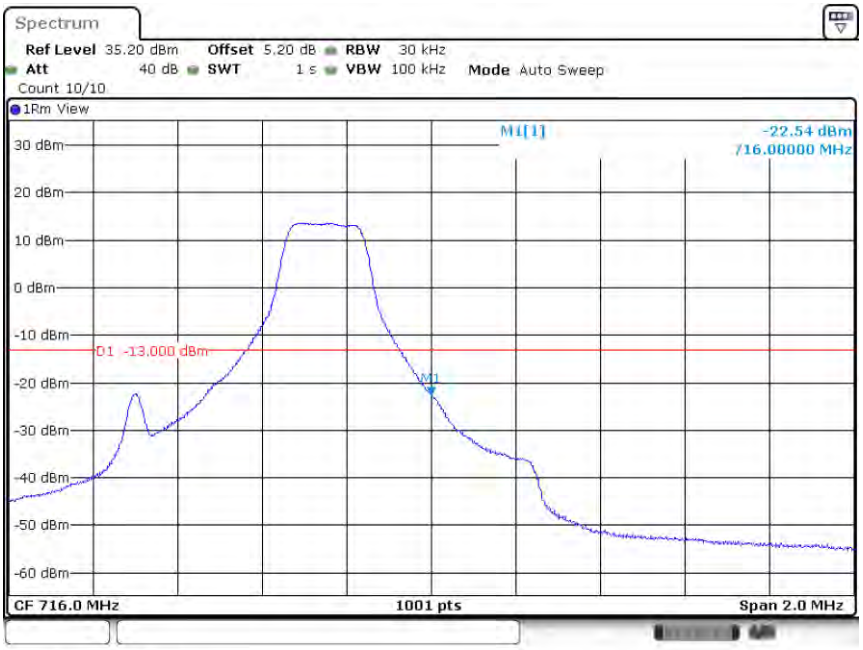

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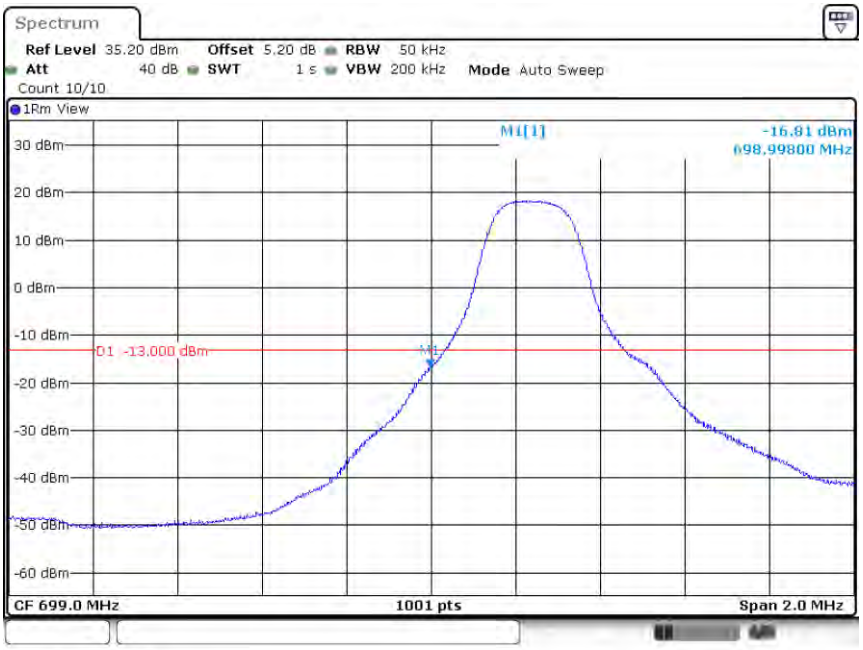
Band12-1.4MHz-16QAM-23173-6RB#0

Date: 23.OCT.2020 16:18:38

Band12-3MHz-QPSK-23025-1RB#0



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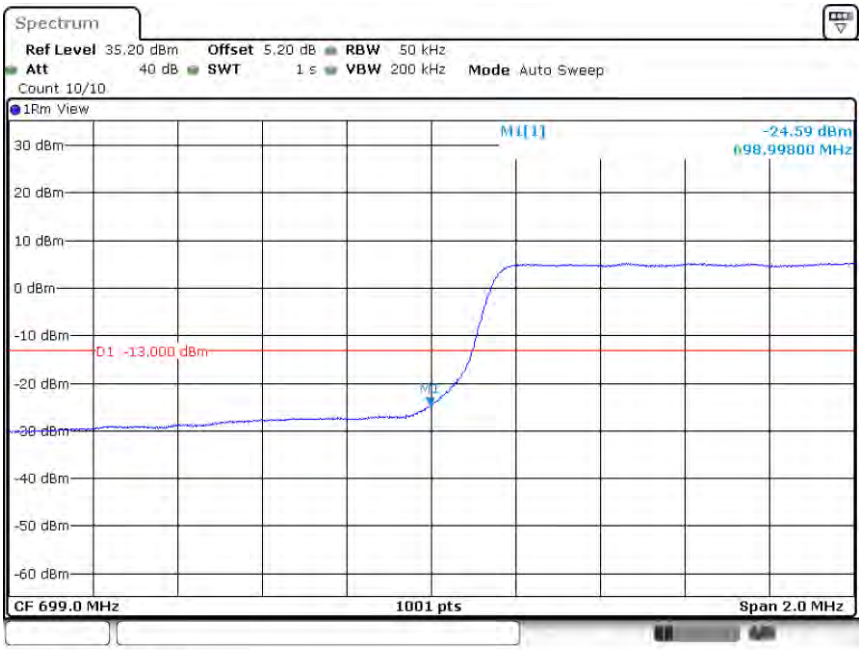
Band12-3MHz-QPSK-23025-15RB#0



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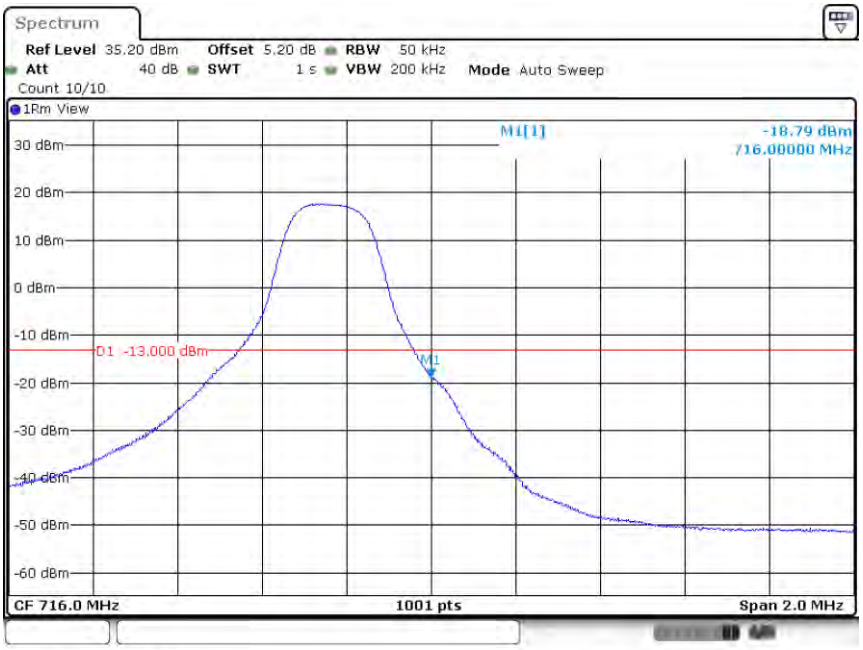

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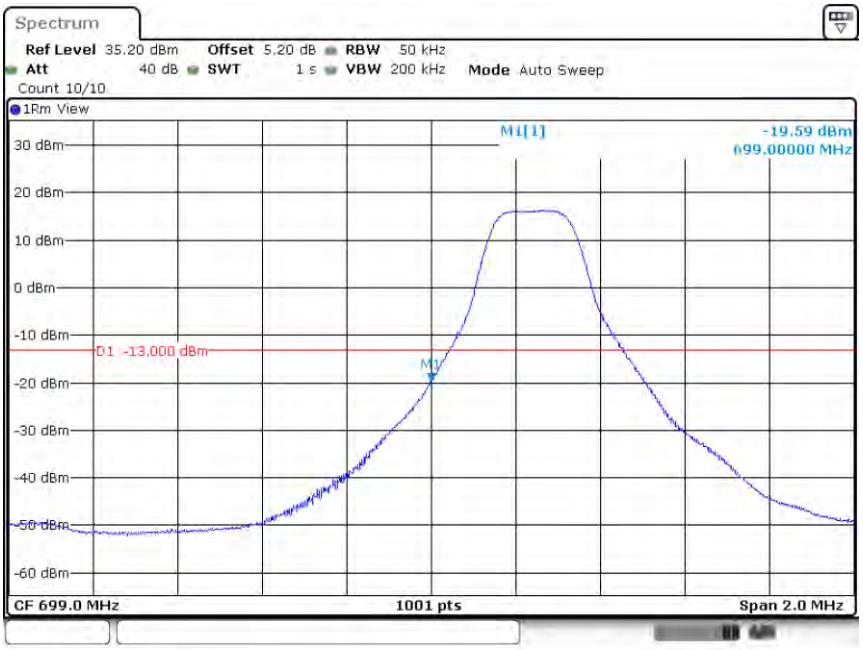
Band12-3MHz-QPSK-23165-15RB#0

Date: 23.OCT.2020 16:21:11

Band12-3MHz-64QAM-23025-1RB#0



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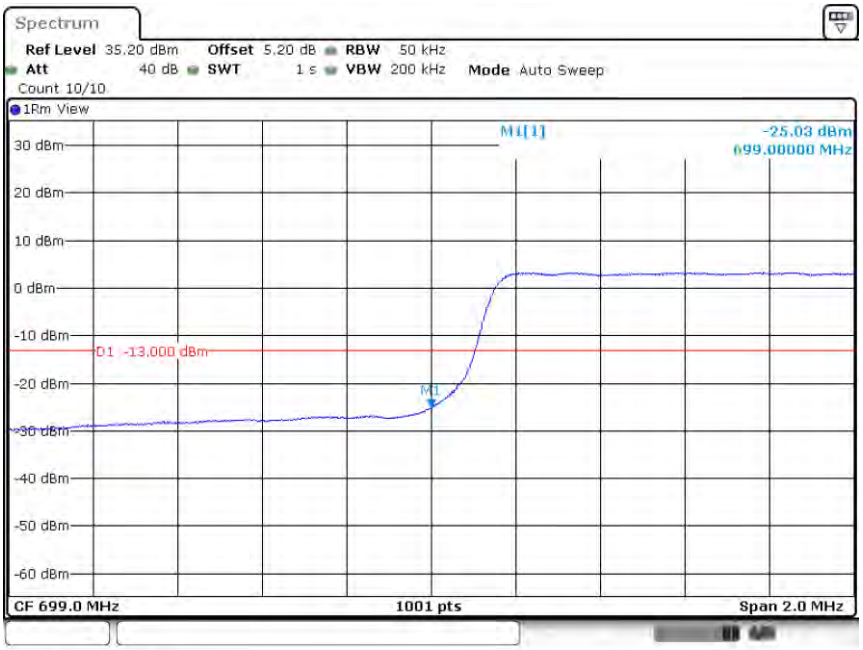

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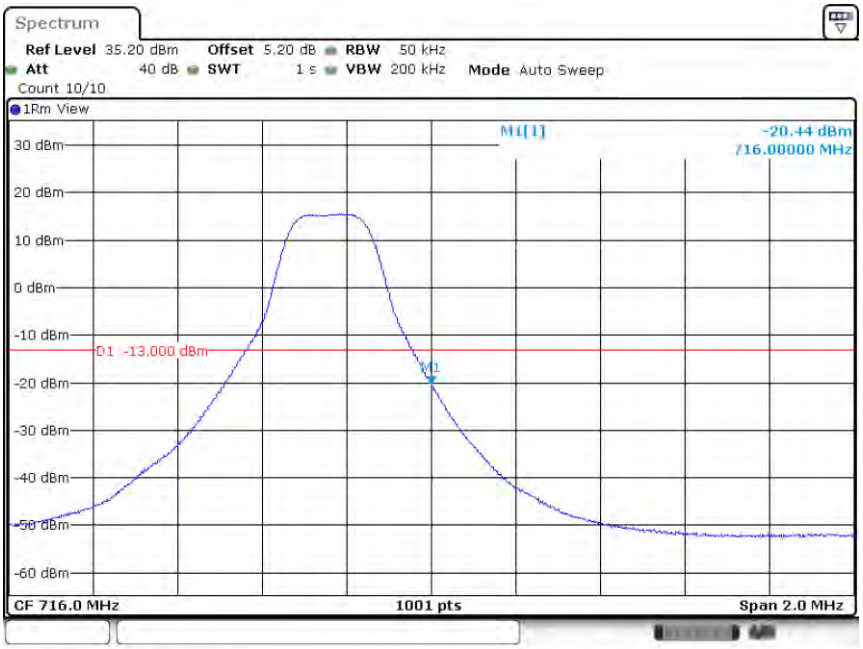
Band12-3MHz-64QAM-23165-1RB#14



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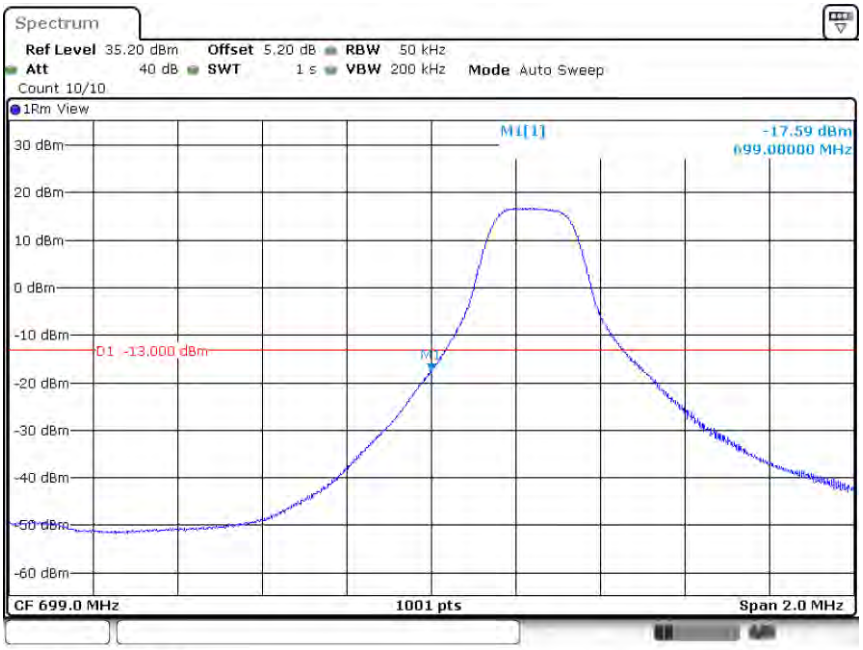
Band12-3MHz-16QAM-23025-1RB#0



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Date: 23.OCT.2020 16:20:06

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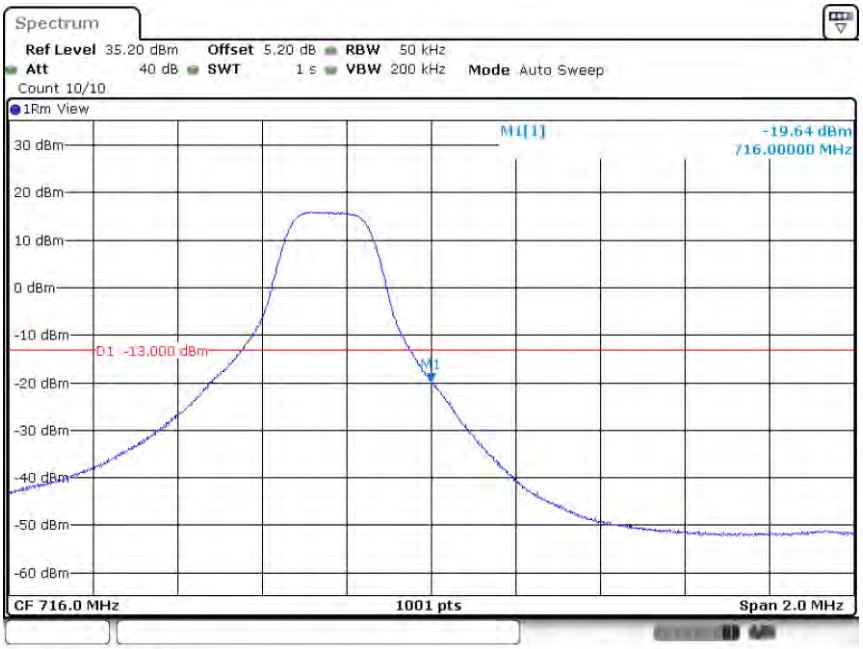

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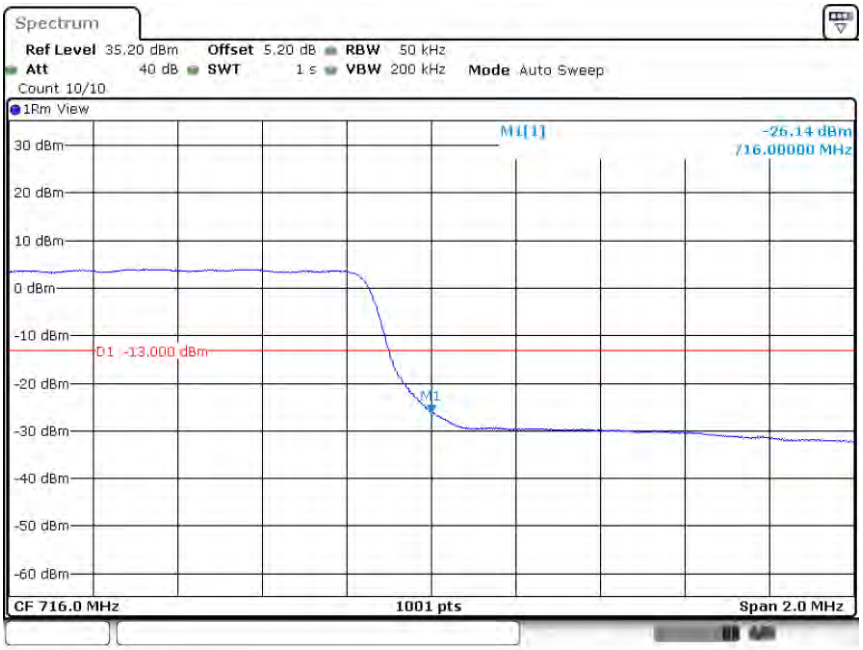

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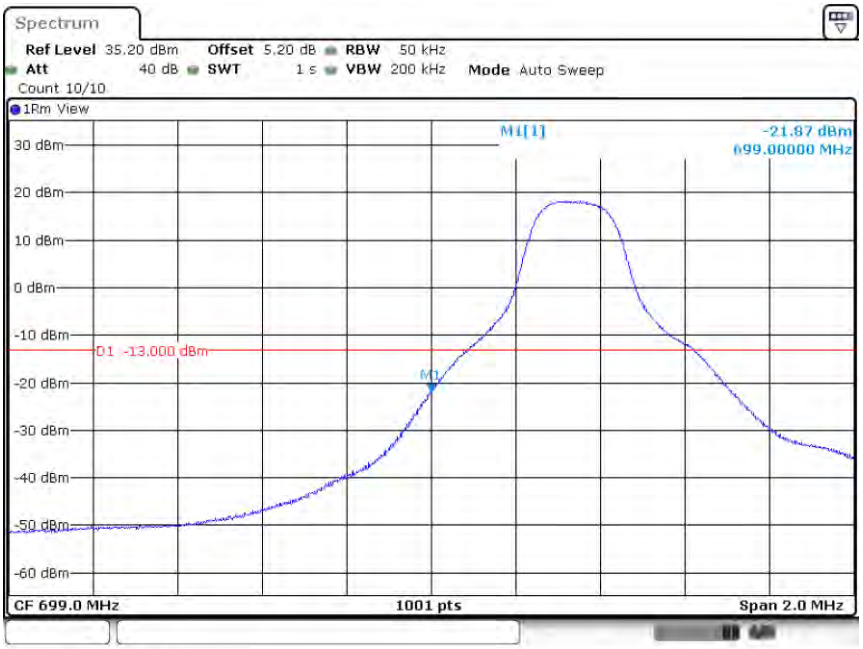

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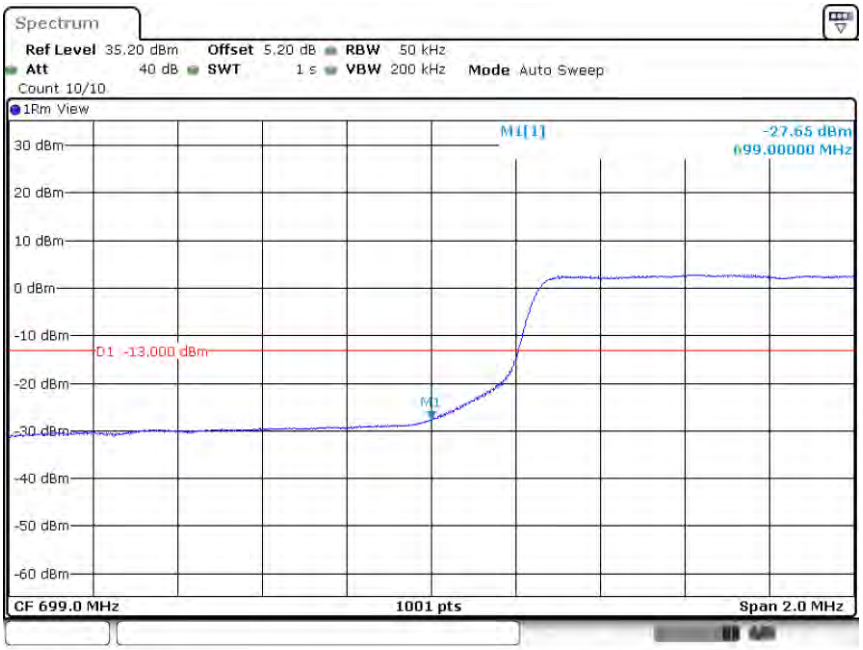

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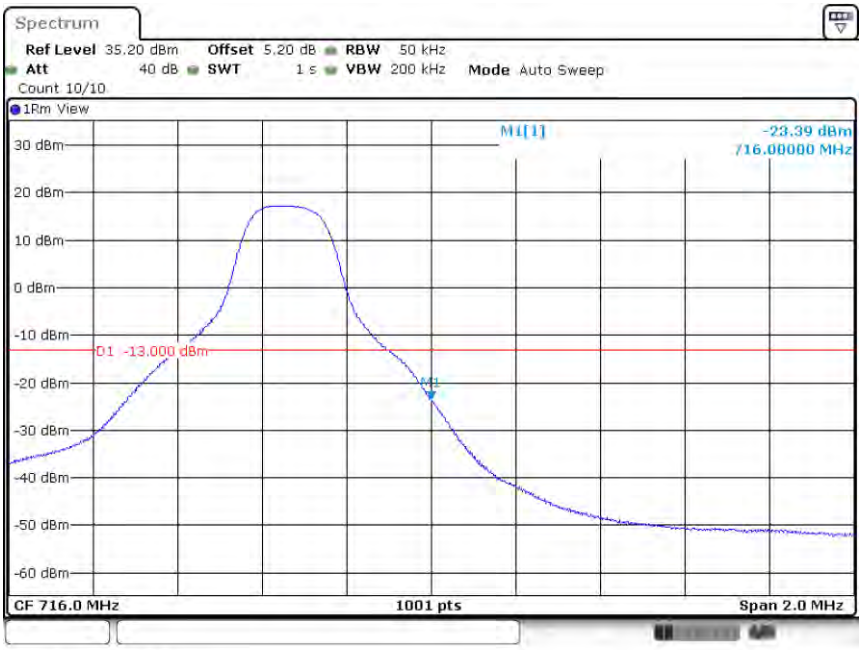

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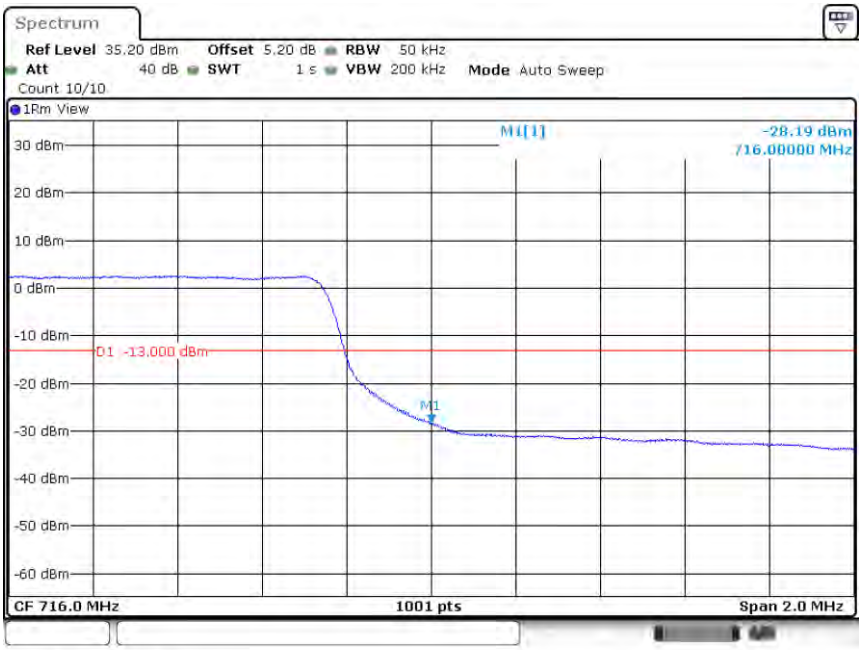
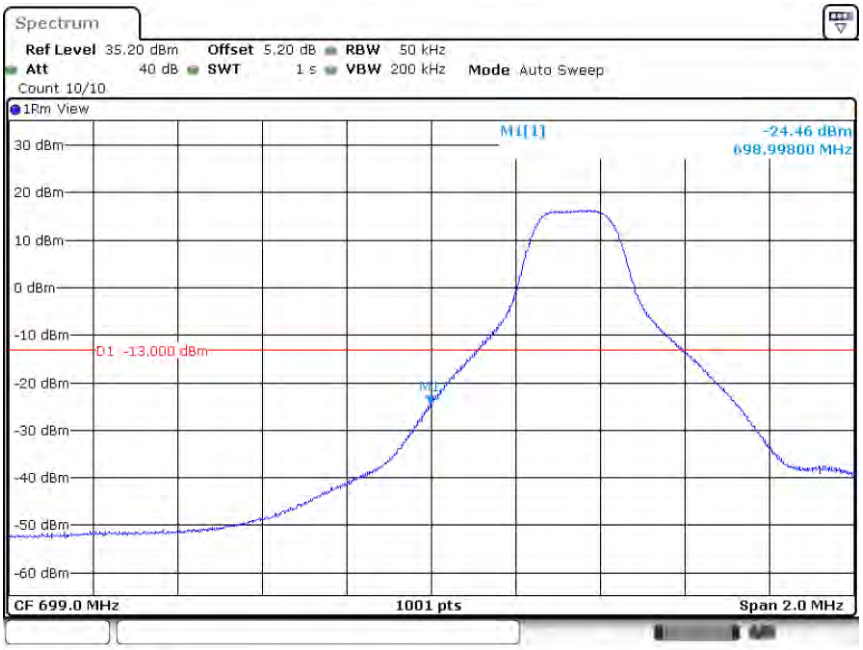
Band12-5MHz-QPSK-23155-25RB#0



Date: 23.OCT.2020 16:24:05

Band12-5MHz-64QAM-23035-1RB#0



Date: 23.OCT.2020 16:48:58

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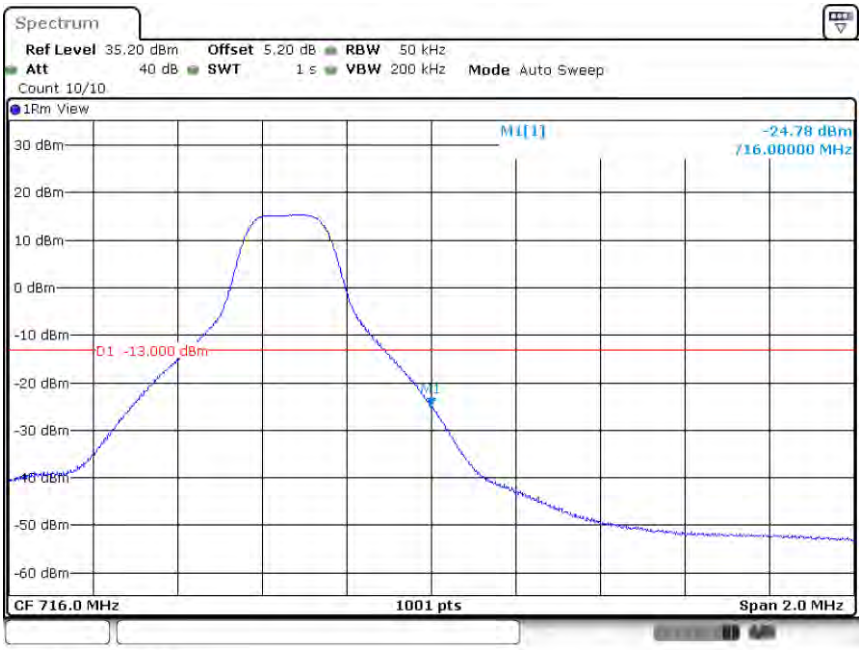
Band12-5MHz-64QAM-23035-25RB#0

Date: 23.OCT.2020 16:49:19

Band12-5MHz-64QAM-23155-1RB#24



Date: 23.OCT.2020 16:49:52

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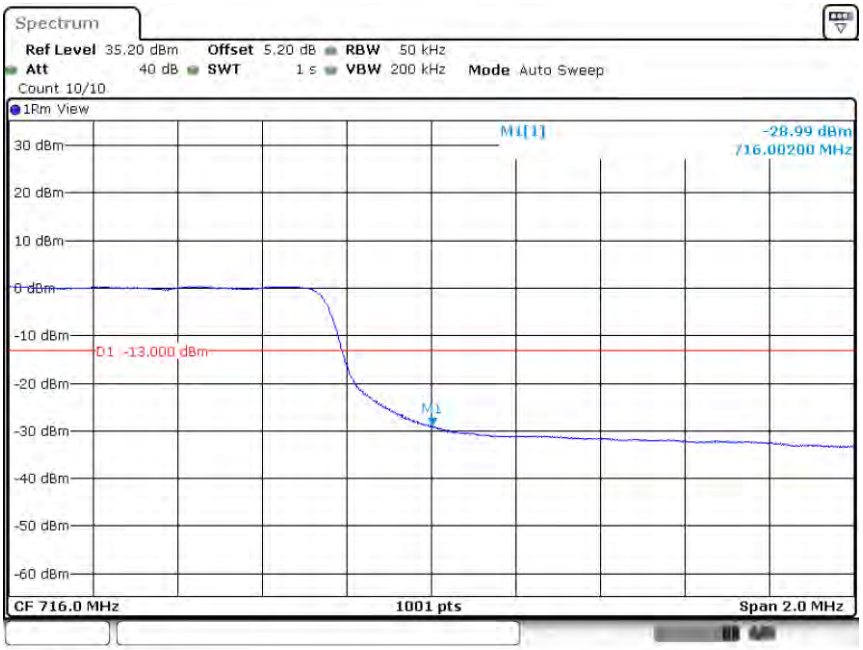

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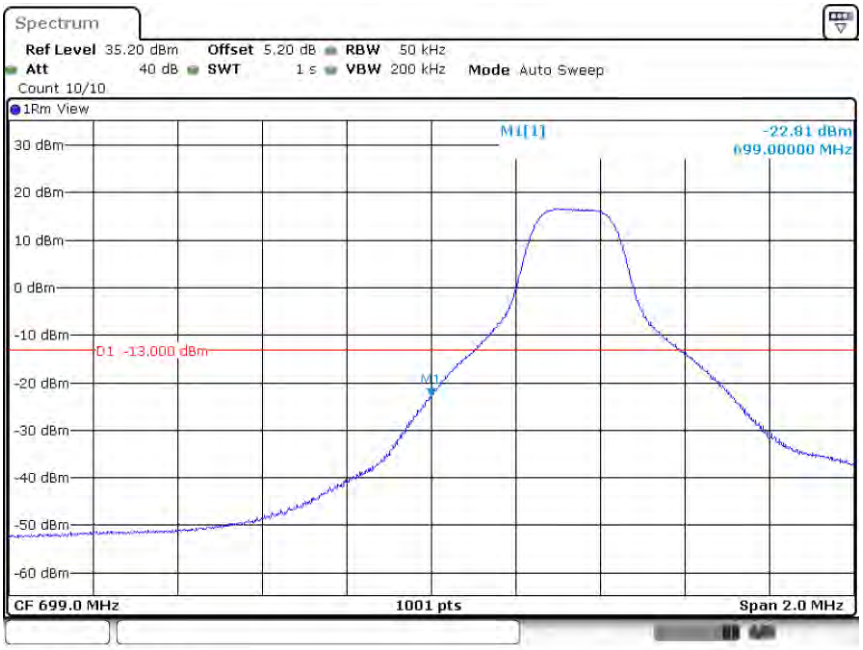
Band12-5MHz-16QAM-23035-1RB#0



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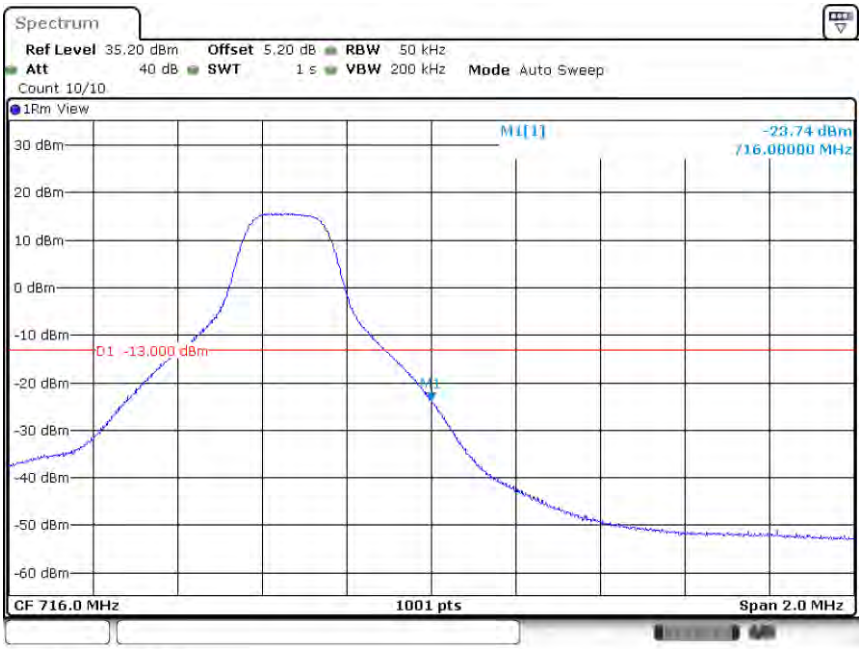
Band12-5MHz-16QAM-23035-25RB#0

Date: 23.OCT.2020 16:23:00

Band12-5MHz-16QAM-23155-1RB#24



Date: 23.OCT.2020 16:23:45

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Band12-5MHz-16QAM-23155-25RB#0

Date: 23.OCT.2020 16:24:26

Band12-10MHz-QPSK-23060-1RB#0

Date: 23.OCT.2020 16:24:52

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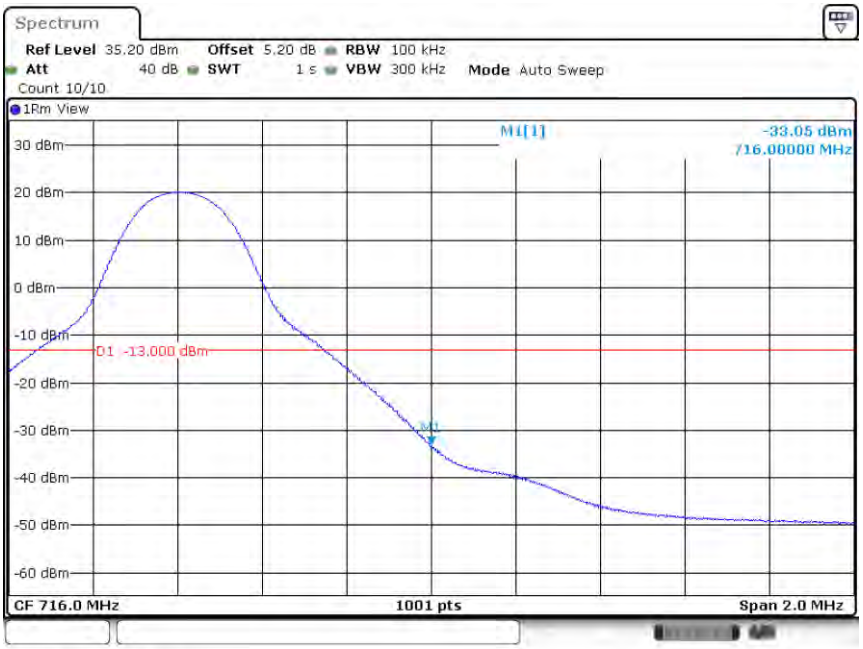
Band12-10MHz-QPSK-23060-50RB#0

Date: 23.OCT.2020 16:25:33

Band12-10MHz-QPSK-23130-1RB#49



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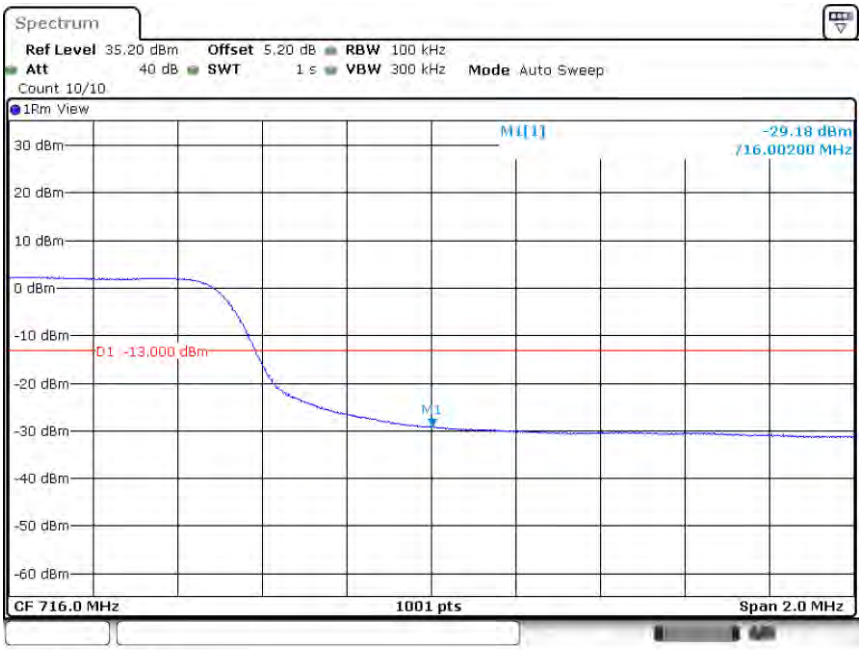
Band12-10MHz-QPSK-23130-50RB#0



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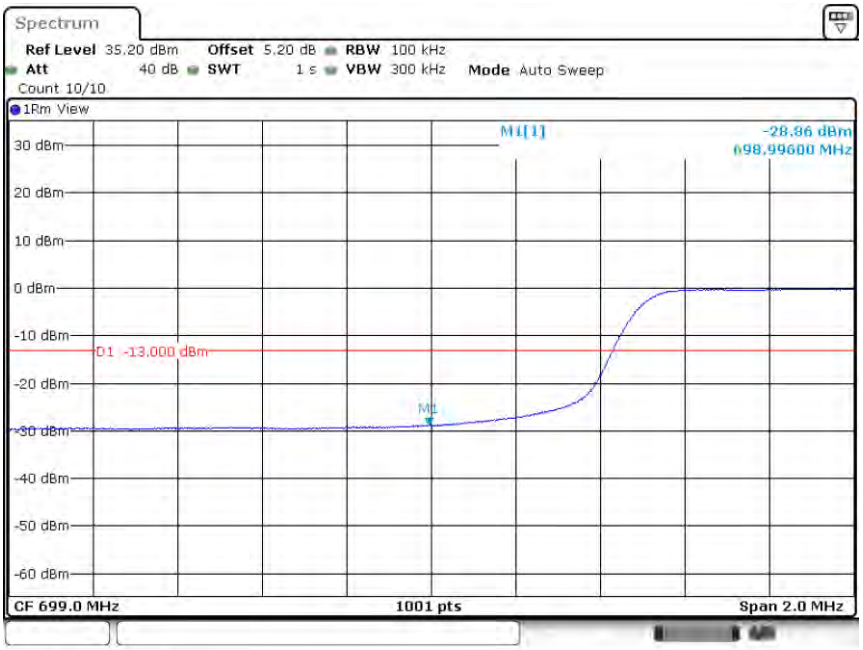
Band12-10MHz-64QAM-23060-50RB#0



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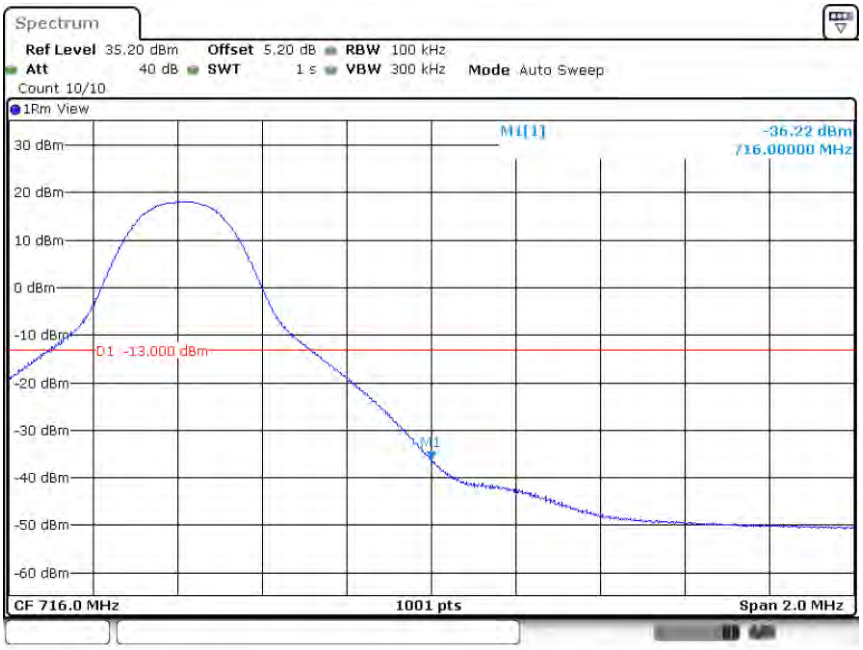

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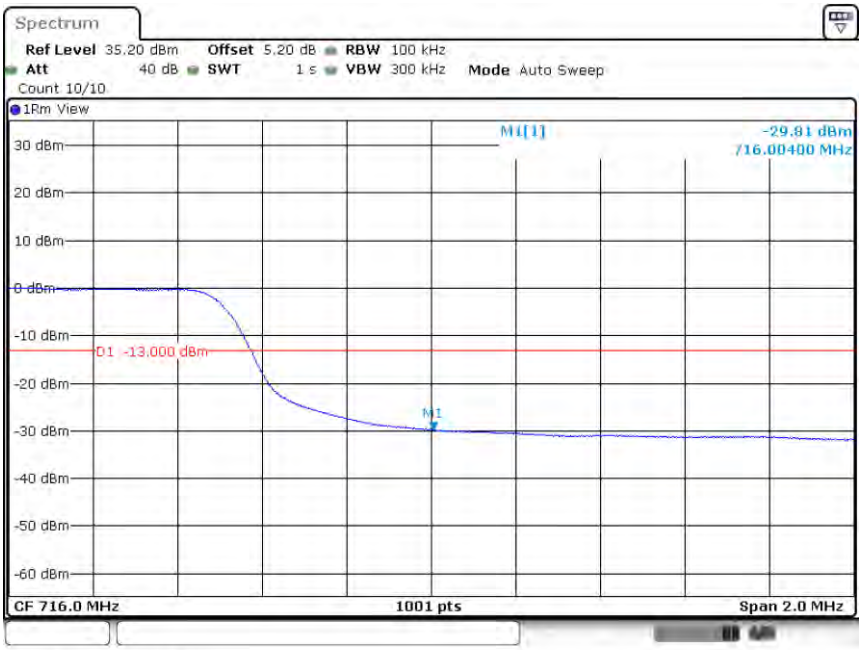
Band12-10MHz-64QAM-23130-50RB#0



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Band12-10MHz-16QAM-23060-1RB#0

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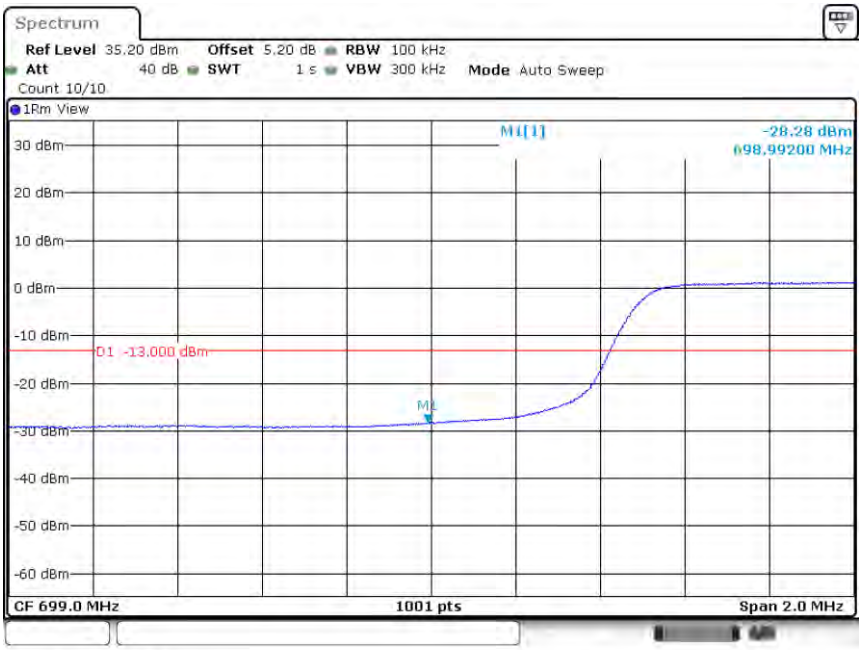
Band12-10MHz-16QAM-23060-50RB#0



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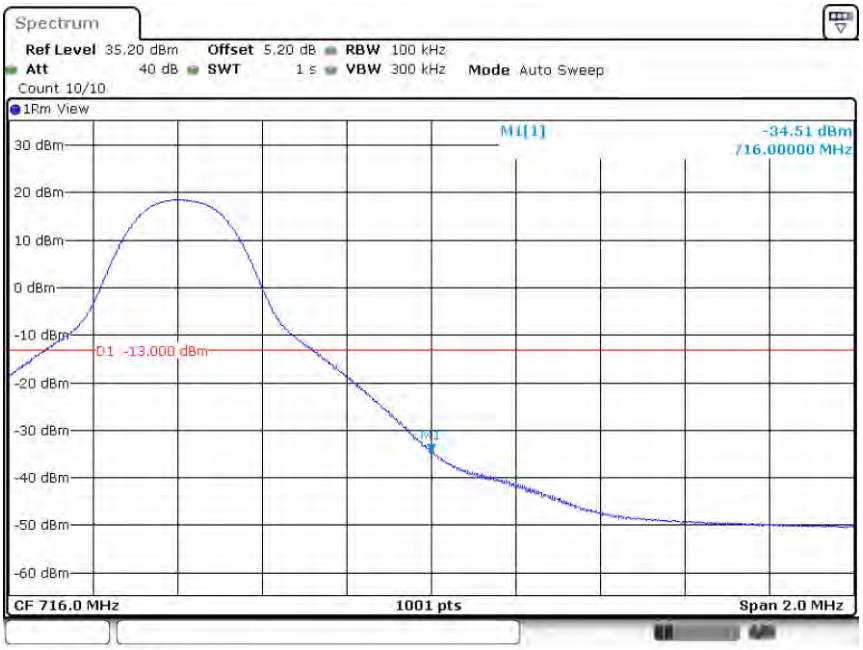

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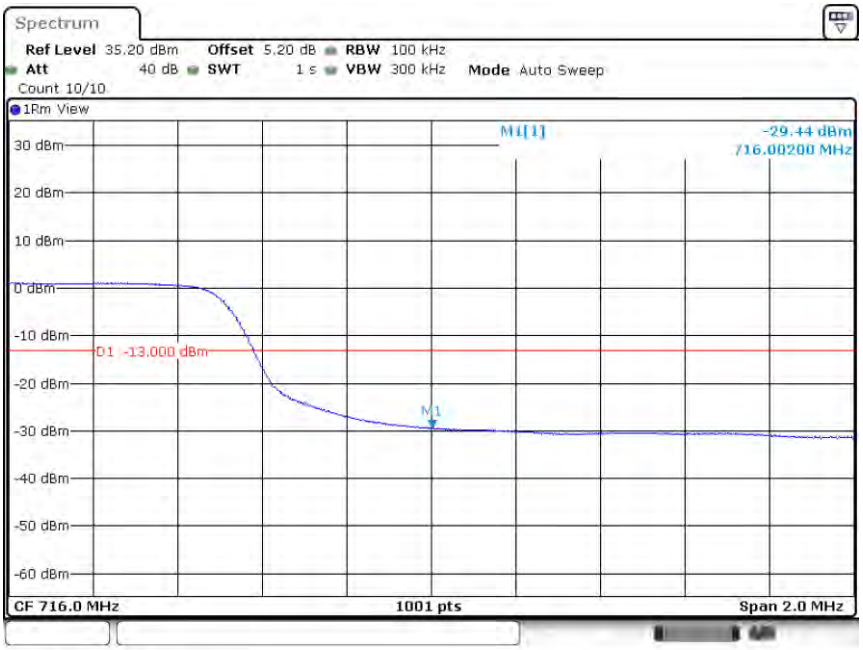

Date: 23.OCT.2020 16:27:23

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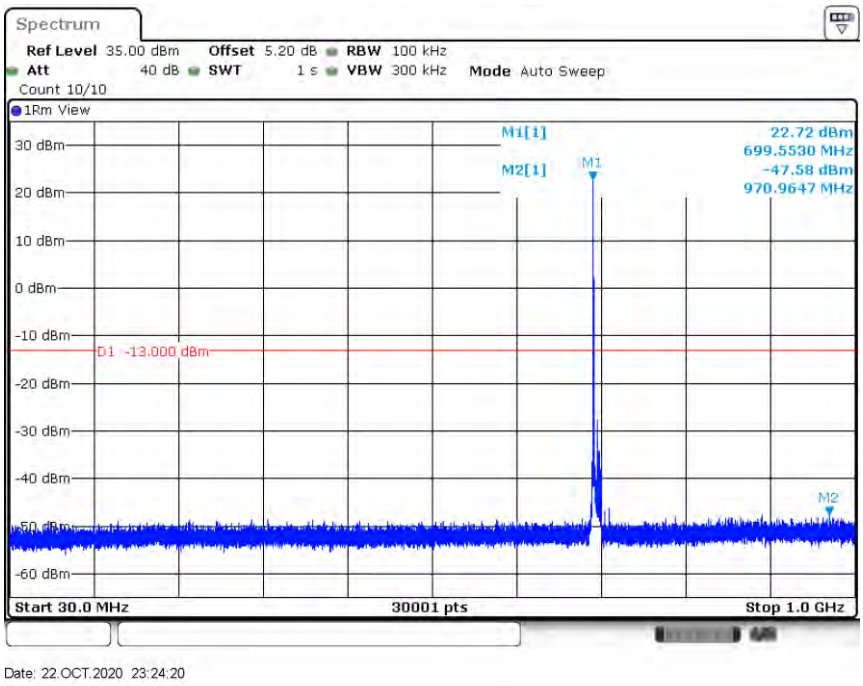
6 Spurious Emission at Antenna Terminal

Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of < RBW/2 so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = k * (Span / RBW)" with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

Remark2: only the worst case data displayed in this report.

6.1 Test Plots

Band12-10MHz-QPSK-23060-1RB#0-Range1:30~1000MHz



Date: 22.OCT.2020 23:24:20

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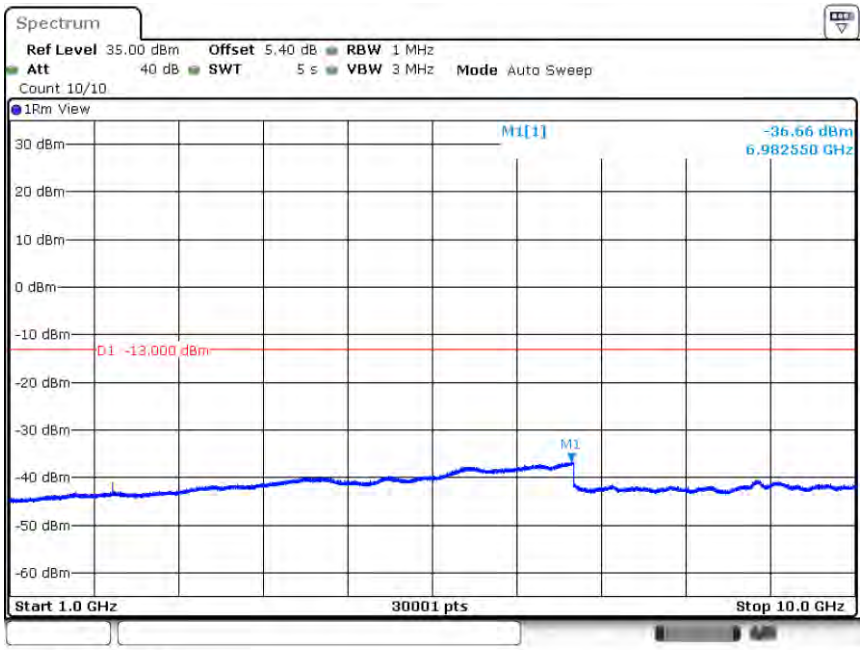
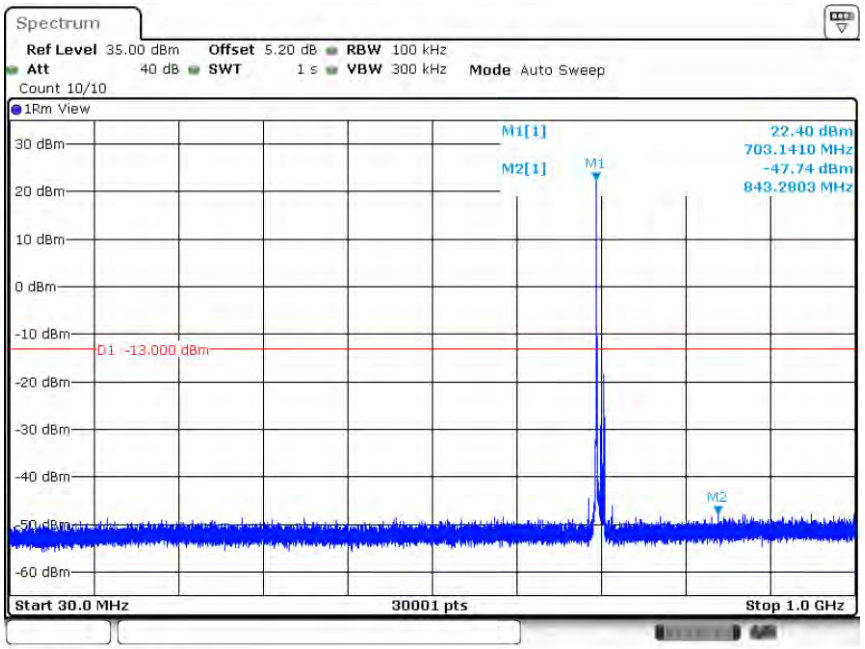
Band12-10MHz-QPSK-23060-1RB#0-Range2:1000~10000MHz



Date: 22.OCT.2020 23:25:29

Band12-10MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



Date: 22.OCT.2020 23:27:23

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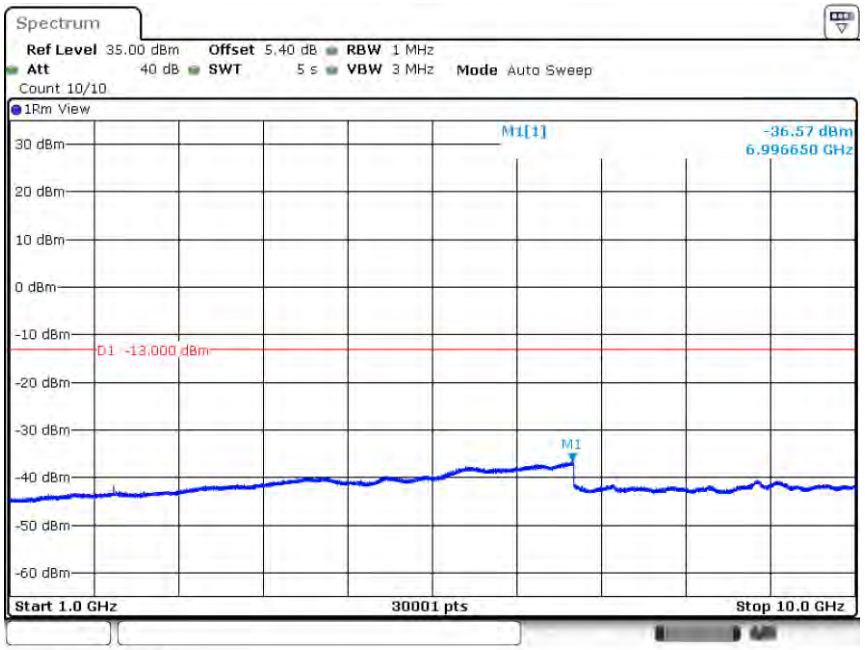
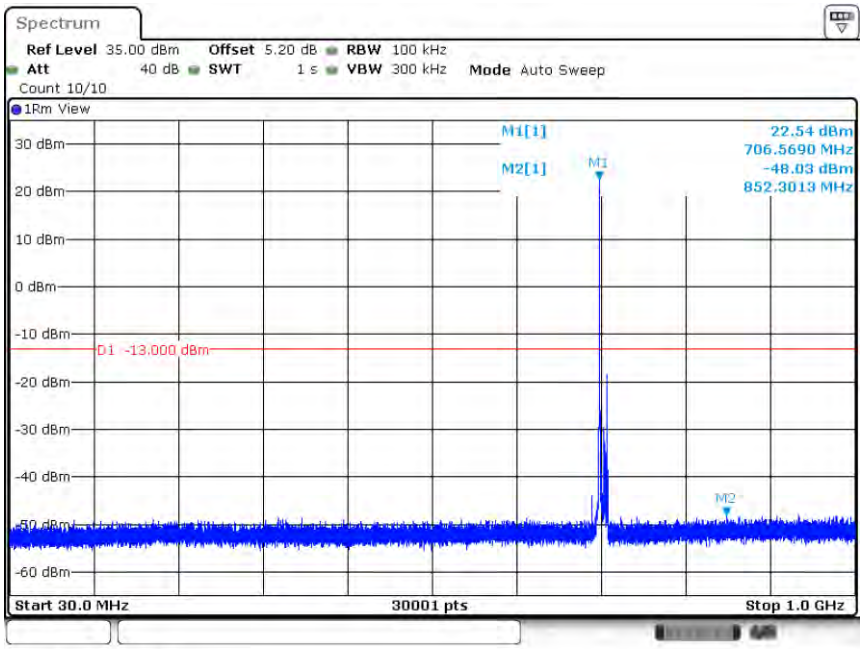
Band12-10MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz



Date: 22.OCT.2020 23:28:31

Band12-10MHz-QPSK-23130-1RB#0-Range1:30~1000MHz



Date: 22.OCT.2020 23:30:26

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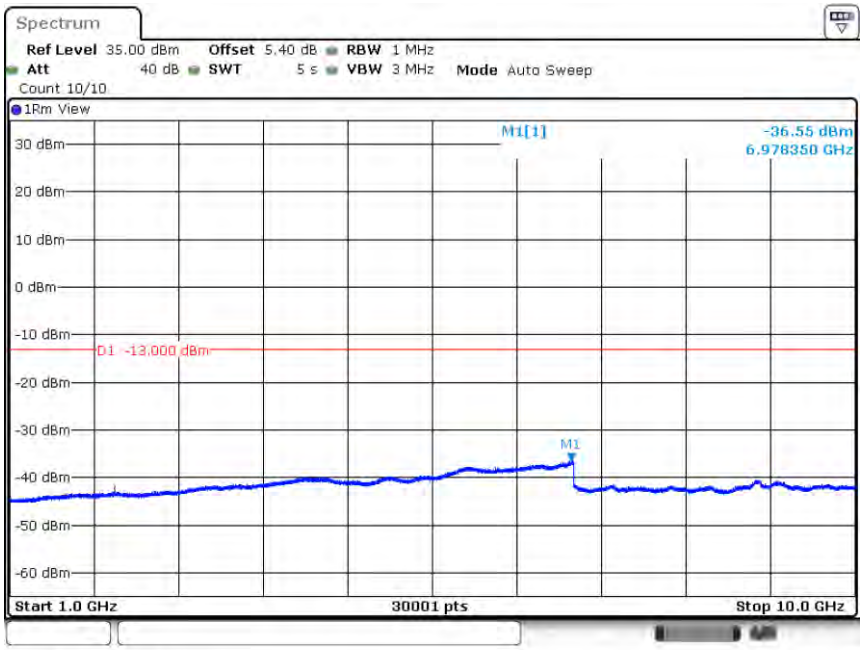
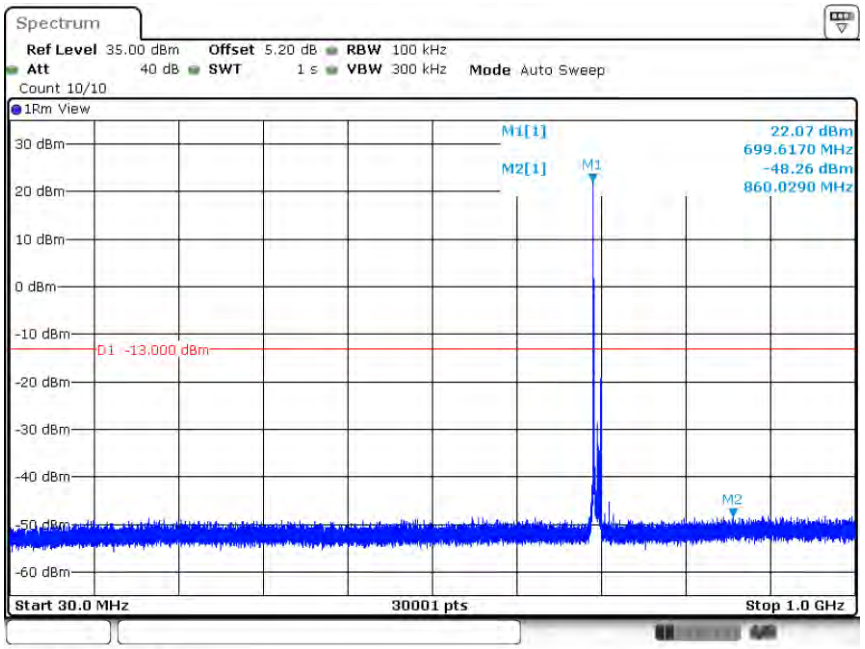
Band12-10MHz-QPSK-23130-1RB#0-Range2:1000~10000MHz



Date: 22.OCT.2020 23:31:34

Band12-10MHz-16QAM-23060-1RB#0-Range1:30~1000MHz



Date: 22.OCT.2020 23:25:52

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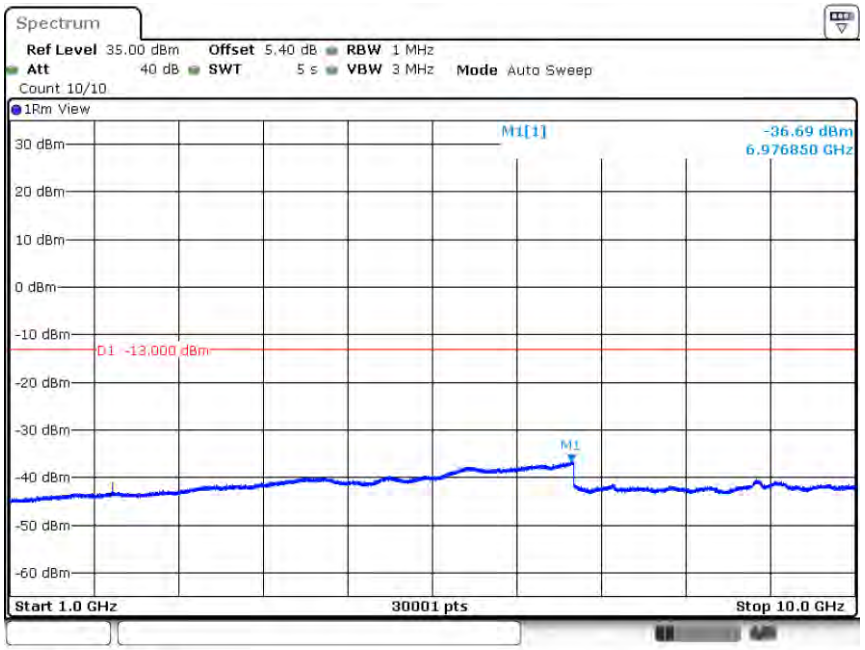
Band12-10MHz-16QAM-23060-1RB#0-Range2:1000~10000MHz



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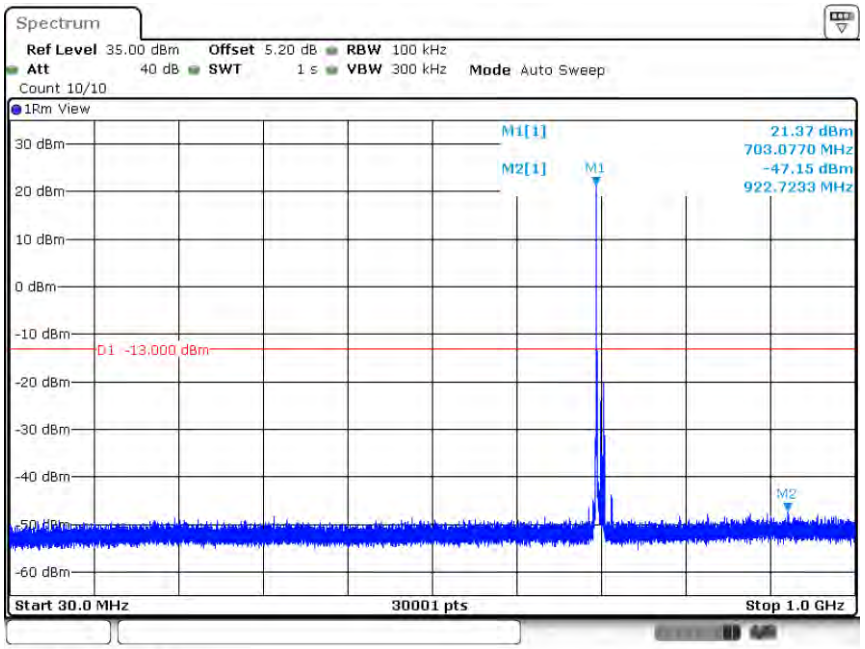
Band12-10MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



Date: 22.OCT.2020 23:28:54

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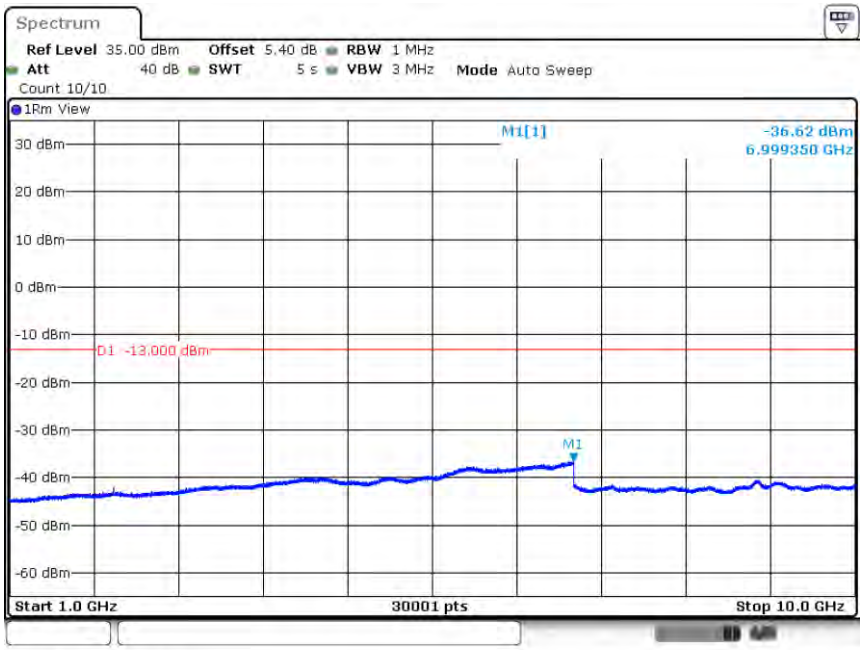
Band12-10MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz



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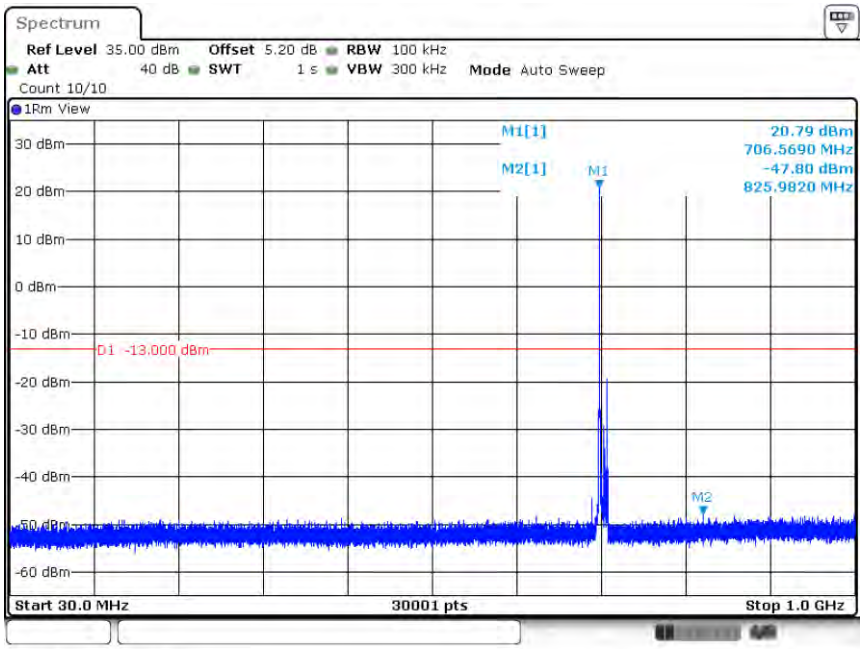
Band12-10MHz-16QAM-23130-1RB#0-Range1:30~1000MHz



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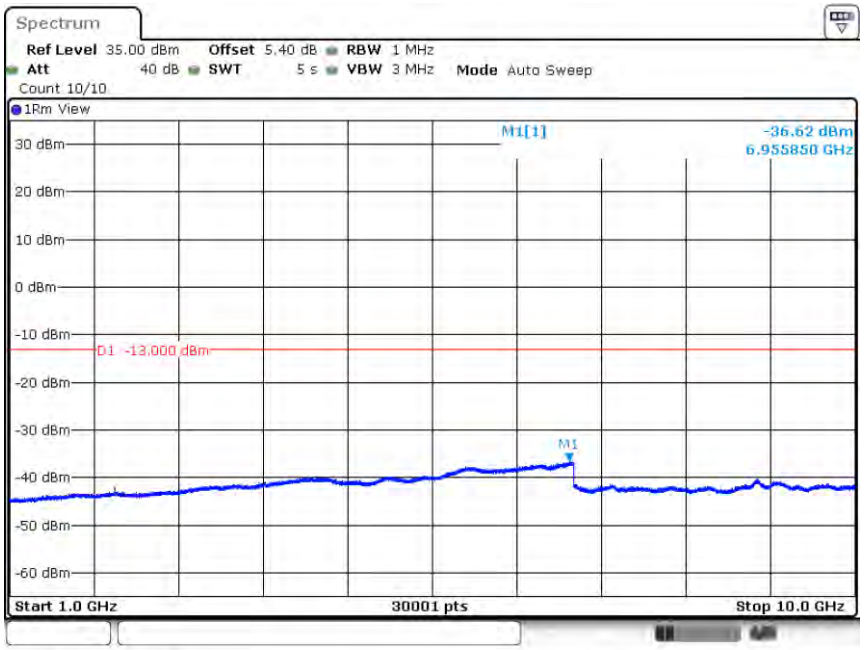
Band12-10MHz-16QAM-23130-1RB#0-Range2:1000~10000MHz



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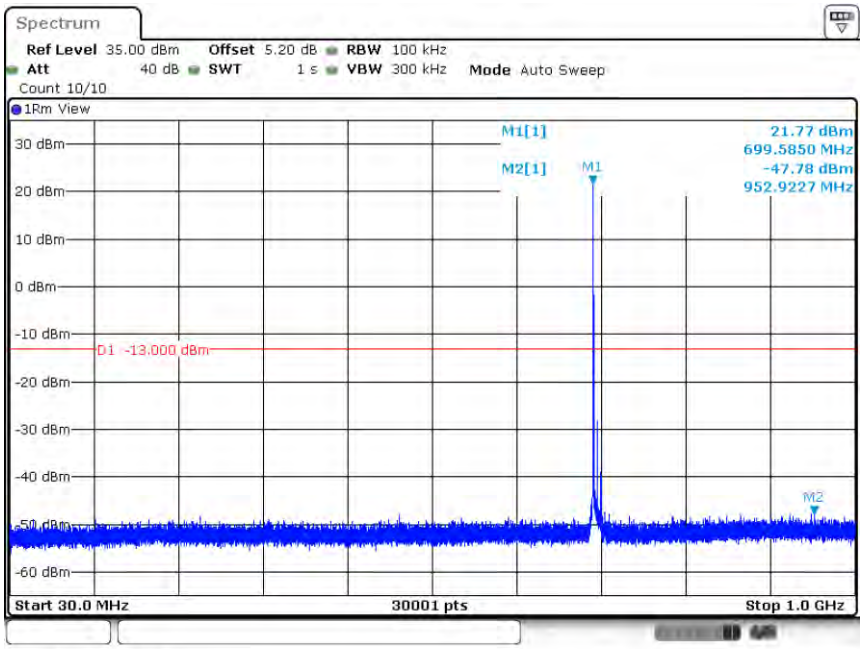
Band12-10MHz-64QAM-23060-1RB#0-Range1:30~1000MHz



Date: 23.OCT.2020 00:55:29

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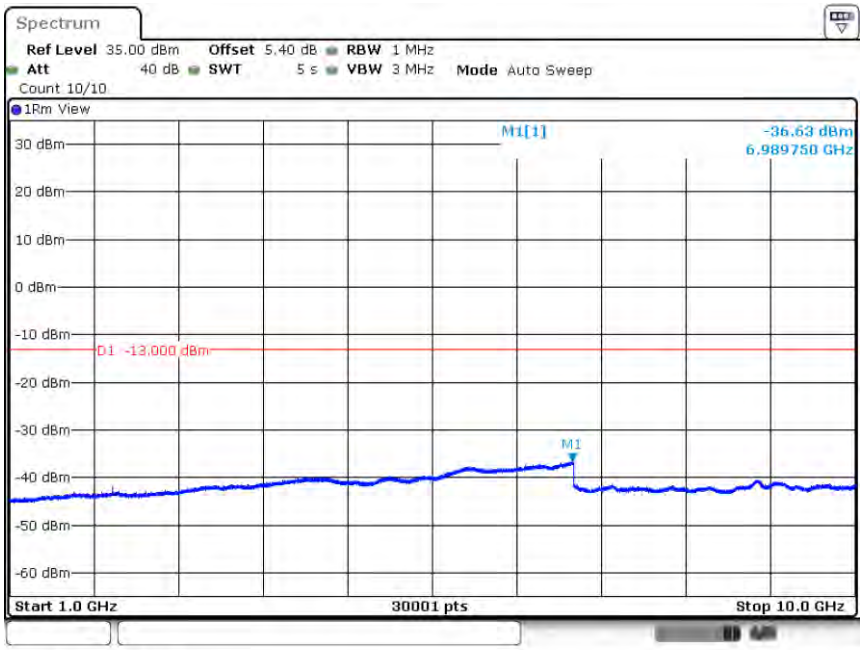

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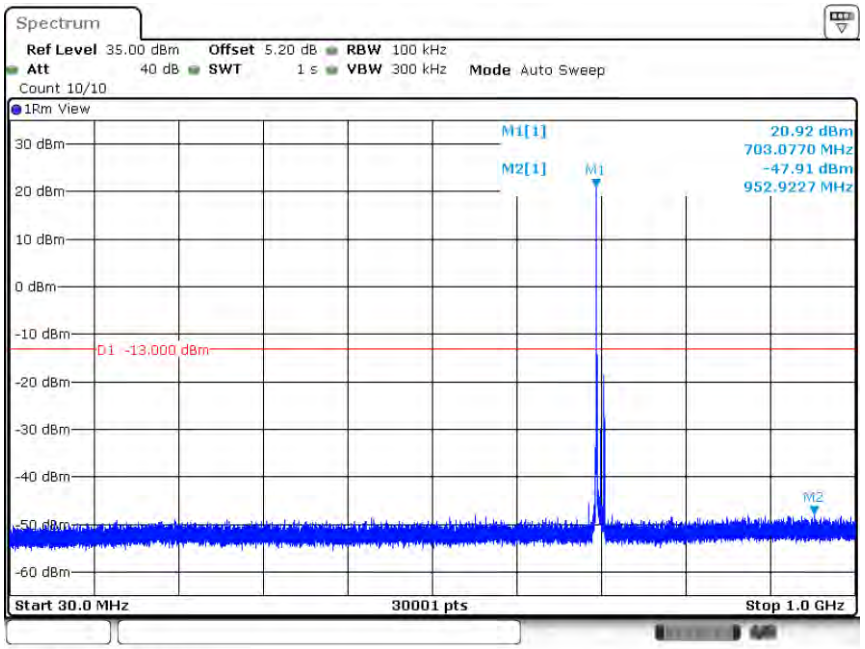

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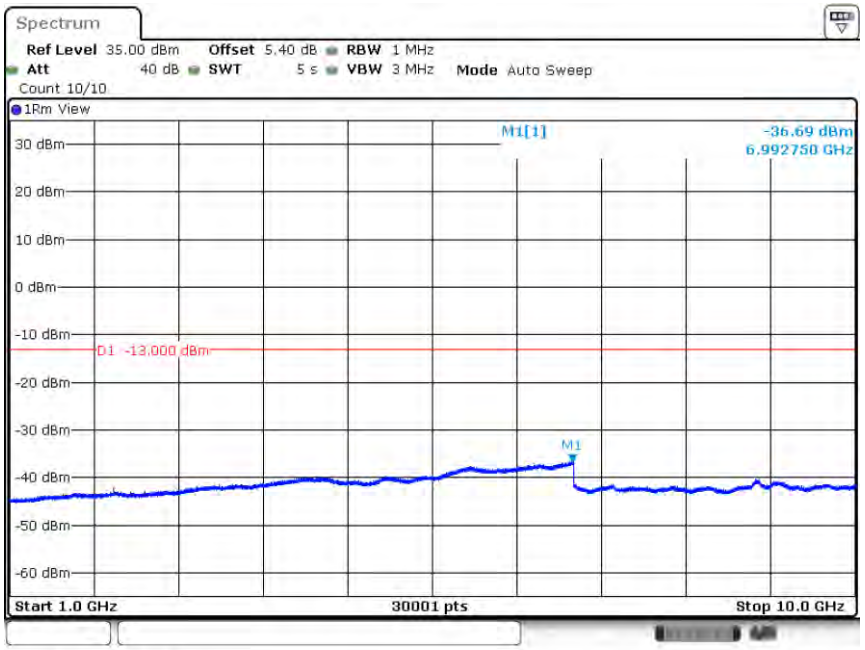
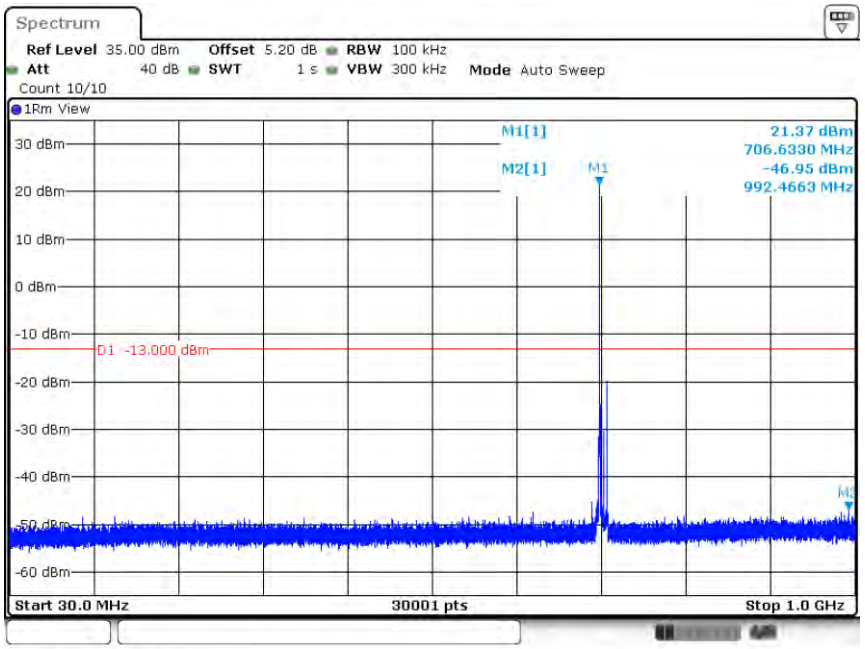


Date: 23.OCT.2020 00:58:09

Band12-10MHz-64QAM-23130-1RB#0-Range1:30~1000MHz



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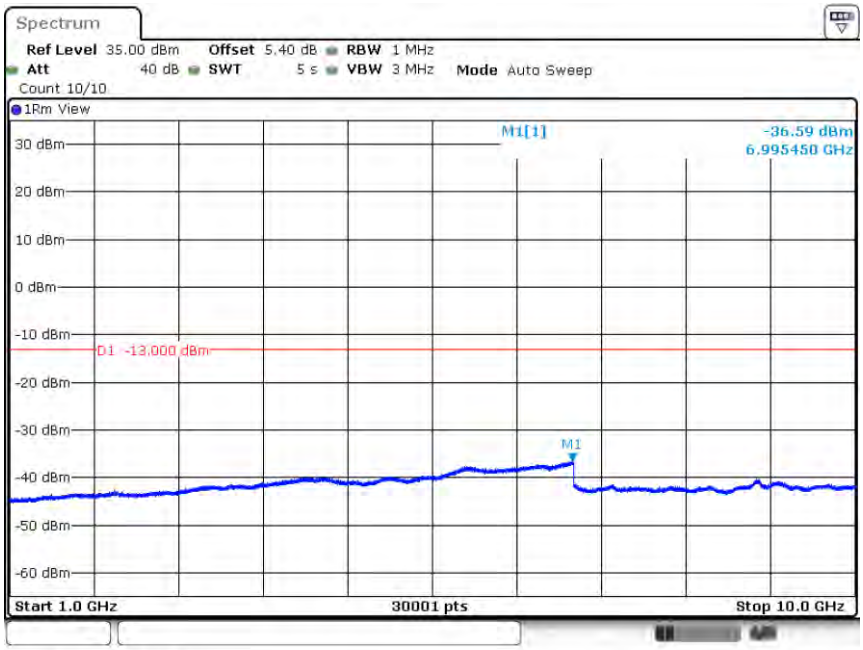

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7 Field Strength of Spurious Radiation

7.1 Test Band = LTE_12 _TM1

7.1.1 Test Channel = Low Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	41.9801	-62.92	-13.00	49.92	Horizontal
2	234.1952	-66.75	-13.00	53.75	Horizontal
3	1399.2799	-63.05	-13.00	50.05	Horizontal
4	2099.0198	-51.10	-13.00	38.10	Horizontal
5	2697.5395	-54.31	-13.00	41.31	Horizontal
6	9303.0521	-52.40	-13.00	39.40	Horizontal

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7.2 Test Band = LTE_12 _TM1

7.2.1 Test Channel = Low Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	109.1075	-63.53	-13.00	50.53	Vertical
2	466.6188	-65.47	-13.00	52.47	Vertical
3	1399.2799	-61.44	-13.00	48.44	Vertical
4	2098.6197	-53.11	-13.00	40.11	Vertical
5	7452.4581	-55.60	-13.00	42.60	Vertical
6	9882.9553	-51.69	-13.00	38.69	Vertical

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7.3 Test Band = LTE_12 _TM1

7.3.1 Test Channel = Middle Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	40.1370	-61.29	-13.00	48.29	Horizontal
2	230.8485	-67.31	-13.00	54.31	Horizontal
3	2109.4219	-49.56	-13.00	36.56	Horizontal
4	2703.5407	-54.48	-13.00	41.48	Horizontal
5	7223.1289	-57.75	-13.00	44.75	Horizontal
6	9326.0130	-52.06	-13.00	39.06	Horizontal

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7.4 Test Band = LTE_12 _TM1

7.4.1 Test Channel = Middle Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	79.9575	-63.83	-13.00	50.83	Vertical
2	109.3985	-63.55	-13.00	50.55	Vertical
3	521.9601	-64.89	-13.00	51.89	Vertical
4	2109.4219	-52.43	-13.00	39.43	Vertical
5	2699.1398	-55.63	-13.00	42.63	Vertical
6	9875.1150	-51.80	-13.00	38.80	Vertical

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7.5 Test Band = LTE_12 _TM1

7.5.1 Test Channel = High Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	41.2526	-63.26	-13.00	50.26	Horizontal
2	226.1923	-67.16	-13.00	54.16	Horizontal
3	1412.8826	-61.09	-13.00	48.09	Horizontal
4	2119.8240	-48.84	-13.00	35.84	Horizontal
5	2693.5387	-54.71	-13.00	41.71	Horizontal
6	9326.0130	-52.76	-13.00	39.76	Horizontal

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7.6 Test Band = LTE_12 _TM1

7.6.1 Test Channel = High Channel

Suspected Data List					
NO.	Freq. [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	61.8661	-64.87	-13.00	51.87	Vertical
2	110.5140	-63.11	-13.00	50.11	Vertical
3	1412.8826	-61.31	-13.00	48.31	Vertical
4	2119.8240	-51.09	-13.00	38.09	Vertical
5	7452.1781	-55.94	-13.00	42.94	Vertical
6	9554.2222	-52.69	-13.00	39.69	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 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

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band12	10MHz	QPSK	23060	50RB#0	VL	NT	-0.80	-0.001136	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VN	NT	-3.40	-0.004830	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VH	NT	0.20	0.000284	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VL	NT	-1.10	-0.001555	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VN	NT	-1.20	-0.001696	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VH	NT	0.30	0.000424	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VL	NT	-1.40	-0.001969	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VN	NT	-1.50	-0.002110	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VH	NT	-3.00	-0.004219	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VL	NT	-1.10	-0.001563	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VN	NT	0.00	0.000000	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VH	NT	-0.50	-0.000710	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VL	NT	-0.70	-0.000989	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VN	NT	-0.50	-0.000707	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VH	NT	-1.40	-0.001979	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VL	NT	-2.10	-0.002954	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VN	NT	-0.20	-0.000281	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VH	NT	-1.50	-0.002110	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	VL	NT	-1.50	-0.002131	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	VN	NT	0.00	0.000000	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	VH	NT	-0.50	-0.000710	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	VL	NT	-1.10	-0.001555	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	VN	NT	-0.10	-0.000141	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	VH	NT	0.90	0.001272	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	VL	NT	-1.50	-0.002110	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	VN	NT	-0.60	-0.000844	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	VH	NT	0.10	0.000141	±2.5	PASS

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8.2 Frequency Vs Temperature

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band12	10MHz	QPSK	23060	50RB#0	NV	-30	-0.20	-0.000284	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-20	-0.60	-0.000852	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-10	-0.40	-0.000568	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	0	-1.10	-0.001563	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	10	0.30	0.000426	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	20	-0.10	-0.000142	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	30	-0.90	-0.001278	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	40	0.40	0.000568	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	50	-0.90	-0.001278	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-30	0.40	0.000565	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-20	-0.90	-0.001272	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-10	-0.50	-0.000707	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	0	0.70	0.000989	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	10	-0.50	-0.000707	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	20	-0.20	-0.000283	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	30	0.30	0.000424	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	40	-1.50	-0.002120	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	50	-1.10	-0.001555	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-30	-2.20	-0.003094	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-20	-2.40	-0.003376	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-10	-1.30	-0.001828	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	0	-2.40	-0.003376	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	10	-1.70	-0.002391	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	20	-1.10	-0.001547	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	30	-2.40	-0.003376	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	40	-2.60	-0.003657	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	50	-2.70	-0.003797	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-30	-0.60	-0.000852	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-20	-0.40	-0.000568	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-10	-0.10	-0.000142	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	0	-1.10	-0.001563	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	10	0.00	0.000000	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	20	-0.20	-0.000284	±2.5	PASS

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Band12	10MHz	16QAM	23060	50RB#0	NV	30	-1.30	-0.001847	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	40	0.60	0.000852	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	50	0.70	0.000994	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-30	0.20	0.000283	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-20	-0.80	-0.001131	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-10	0.10	0.000141	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	0	-1.20	-0.001696	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	10	0.10	0.000141	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	20	0.30	0.000424	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	30	-0.20	-0.000283	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	40	-1.80	-0.002544	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	50	-0.70	-0.000989	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	-30	-1.10	-0.001547	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	-20	-2.20	-0.003094	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	-10	-0.50	-0.000703	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	0	-1.70	-0.002391	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	10	-2.60	-0.003657	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	20	-1.60	-0.002250	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	30	-1.60	-0.002250	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	40	-1.20	-0.001688	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	50	-1.40	-0.001969	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	-30	1.00	0.001420	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	-20	0.60	0.000852	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	-10	0.30	0.000426	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	0	-1.00	-0.001420	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	10	-1.30	-0.001847	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	20	-1.50	-0.002131	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	30	-0.10	-0.000142	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	40	0.30	0.000426	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	50	-1.10	-0.001563	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	-30	-0.60	-0.000848	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	-20	-1.20	-0.001696	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	-10	-0.40	-0.000565	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	0	0.30	0.000424	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	10	-0.80	-0.001131	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	20	-2.20	-0.003110	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	30	-1.70	-0.002403	±2.5	PASS

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Band12	10MHz	64QAM	23095	50RB#0	NV	40	-2.40	-0.003392	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	50	-0.70	-0.000989	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	-30	-0.70	-0.000985	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	-20	-2.10	-0.002954	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	-10	-2.90	-0.004079	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	0	-1.00	-0.001406	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	10	-2.20	-0.003094	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	20	-2.60	-0.003657	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	30	-1.80	-0.002532	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	40	-2.50	-0.003516	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	50	-2.20	-0.003094	±2.5	PASS

The End

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