Appendix B

E-UTRA Band 12

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1 Effective (Isotropic) Radiated Power

1.1. Test Result

ANT13:

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	23.39	14.30	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	23.32	14.23	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	23.32	14.23	34.77	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	23.47	14.38	34.77	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	23.34	14.25	34.77	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	23.30	14.21	34.77	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.41	13.32	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	23.36	14.27	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.27	14.18	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	23.21	14.12	34.77	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	23.19	14.10	34.77	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	23.40	14.31	34.77	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	23.34	14.25	34.77	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.36	13.27	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	23.38	14.29	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.40	14.31	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	23.58	14.49	34.77	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	23.39	14.30	34.77	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	23.51	14.42	34.77	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	23.55	14.46	34.77	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.51	13.42	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	22.30	13.21	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	22.54	13.45	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	22.35	13.26	34.77	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	22.25	13.16	34.77	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	22.33	13.24	34.77	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	22.34	13.25	34.77	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	21.29	12.20	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	22.37	13.28	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	22.50	13.41	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.50	13.41	34.77	PASS

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Band12	1.4MHz	16QAM	23095	3RB#0	22.49	13.40	34.77	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	22.20	13.11	34.77	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	22.38	13.29	34.77	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	21.35	12.26	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	22.49	13.40	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	22.51	13.42	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	22.33	13.24	34.77	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	22.39	13.30	34.77	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	22.49	13.40	34.77	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	22.36	13.27	34.77	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	21.58	12.49	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#0	21.44	12.35	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#2	21.29	12.20	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#5	21.27	12.18	34.77	PASS
Band12	1.4MHz	64QAM	23017	3RB#0	21.48	12.39	34.77	PASS
Band12	1.4MHz	64QAM	23017	3RB#1	21.36	12.27	34.77	PASS
Band12	1.4MHz	64QAM	23017	3RB#3	21.21	12.12	34.77	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	20.79	11.70	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#0	21.36	12.27	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#2	21.36	12.27	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#5	21.21	12.12	34.77	PASS
Band12	1.4MHz	64QAM	23095	3RB#0	21.20	12.11	34.77	PASS
Band12	1.4MHz	64QAM	23095	3RB#1	21.42	12.33	34.77	PASS
Band12	1.4MHz	64QAM	23095	3RB#3	21.37	12.28	34.77	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	20.78	11.69	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#0	21.45	12.36	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#2	21.46	12.37	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#5	21.53	12.44	34.77	PASS
Band12	1.4MHz	64QAM	23173	3RB#0	21.47	12.38	34.77	PASS
Band12	1.4MHz	64QAM	23173	3RB#1	21.43	12.34	34.77	PASS
Band12	1.4MHz	64QAM	23173	3RB#3	21.53	12.44	34.77	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	21.01	11.92	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#0	23.31	14.22	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#8	23.39	14.30	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.35	14.26	34.77	PASS
Band12	3MHz	QPSK	23025	8RB#0	22.23	13.14	34.77	PASS
Band12	3MHz	QPSK	23025	8RB#4	22.26	13.17	34.77	PASS
Band12	3MHz	QPSK	23025	8RB#7	22.25	13.16	34.77	PASS

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Band12	3MHz	QPSK	23025	15RB#0	22.24	13.15	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#0	23.38	14.29	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#8	23.33	14.24	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#14	23.47	14.38	34.77	PASS
Band12	3MHz	QPSK	23095	8RB#0	22.36	13.27	34.77	PASS
Band12	3MHz	QPSK	23095	8RB#4	22.38	13.29	34.77	PASS
Band12	3MHz	QPSK	23095	8RB#7	22.41	13.32	34.77	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.42	13.33	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.54	14.45	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#8	23.50	14.41	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#14	23.49	14.40	34.77	PASS
Band12	3MHz	QPSK	23165	8RB#0	22.48	13.39	34.77	PASS
Band12	3MHz	QPSK	23165	8RB#4	22.47	13.38	34.77	PASS
Band12	3MHz	QPSK	23165	8RB#7	22.52	13.43	34.77	PASS
Band12	3MHz	QPSK	23165	15RB#0	22.53	13.44	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#0	22.38	13.29	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#8	22.34	13.25	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#14	22.53	13.44	34.77	PASS
Band12	3MHz	16QAM	23025	8RB#0	21.29	12.20	34.77	PASS
Band12	3MHz	16QAM	23025	8RB#4	21.38	12.29	34.77	PASS
Band12	3MHz	16QAM	23025	8RB#7	21.30	12.21	34.77	PASS
Band12	3MHz	16QAM	23025	15RB#0	21.23	12.14	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#0	22.49	13.40	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#8	22.44	13.35	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.51	13.42	34.77	PASS
Band12	3MHz	16QAM	23095	8RB#0	21.45	12.36	34.77	PASS
Band12	3MHz	16QAM	23095	8RB#4	21.41	12.32	34.77	PASS
Band12	3MHz	16QAM	23095	8RB#7	21.42	12.33	34.77	PASS
Band12	3MHz	16QAM	23095	15RB#0	21.37	12.28	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#0	22.50	13.41	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#8	22.38	13.29	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#14	22.46	13.37	34.77	PASS
Band12	3MHz	16QAM	23165	8RB#0	21.51	12.42	34.77	PASS
Band12	3MHz	16QAM	23165	8RB#4	21.67	12.58	34.77	PASS
Band12	3MHz	16QAM	23165	8RB#7	21.63	12.54	34.77	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.46	12.37	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#0	21.29	12.20	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#8	21.48	12.39	34.77	PASS

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Band12	3MHz	64QAM	23025	1RB#14	21.28	12.19	34.77	PASS
Band12	3MHz	64QAM	23025	8RB#0	20.66	11.57	34.77	PASS
Band12	3MHz	64QAM	23025	8RB#4	20.67	11.58	34.77	PASS
Band12	3MHz	64QAM	23025	8RB#7	20.64	11.55	34.77	PASS
Band12	3MHz	64QAM	23025	15RB#0	20.65	11.56	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#0	21.43	12.34	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#8	21.29	12.20	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#14	21.42	12.33	34.77	PASS
Band12	3MHz	64QAM	23095	8RB#0	20.73	11.64	34.77	PASS
Band12	3MHz	64QAM	23095	8RB#4	20.78	11.69	34.77	PASS
Band12	3MHz	64QAM	23095	8RB#7	20.86	11.77	34.77	PASS
Band12	3MHz	64QAM	23095	15RB#0	20.92	11.83	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#0	21.44	12.35	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#8	21.49	12.40	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#14	21.48	12.39	34.77	PASS
Band12	3MHz	64QAM	23165	8RB#0	20.88	11.79	34.77	PASS
Band12	3MHz	64QAM	23165	8RB#4	20.85	11.76	34.77	PASS
Band12	3MHz	64QAM	23165	8RB#7	20.95	11.86	34.77	PASS
Band12	3MHz	64QAM	23165	15RB#0	20.97	11.88	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#0	23.30	14.21	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.31	14.22	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#24	23.35	14.26	34.77	PASS
Band12	5MHz	QPSK	23035	12RB#0	22.31	13.22	34.77	PASS
Band12	5MHz	QPSK	23035	12RB#6	22.29	13.20	34.77	PASS
Band12	5MHz	QPSK	23035	12RB#13	22.33	13.24	34.77	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.37	13.28	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#0	23.36	14.27	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.44	14.35	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#24	23.50	14.41	34.77	PASS
Band12	5MHz	QPSK	23095	12RB#0	22.37	13.28	34.77	PASS
Band12	5MHz	QPSK	23095	12RB#6	22.45	13.36	34.77	PASS
Band12	5MHz	QPSK	23095	12RB#13	22.37	13.28	34.77	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.43	13.34	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#0	23.50	14.41	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.47	14.38	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#24	23.56	14.47	34.77	PASS
Band12	5MHz	QPSK	23155	12RB#0	22.49	13.40	34.77	PASS
Band12	5MHz	QPSK	23155	12RB#6	22.50	13.41	34.77	PASS

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Band12	5MHz	QPSK	23155	12RB#13	22.52	13.43	34.77	PASS
Band12	5MHz	QPSK	23155	25RB#0	22.52	13.43	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#0	22.14	13.05	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#12	22.14	13.05	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#24	22.43	13.34	34.77	PASS
Band12	5MHz	16QAM	23035	12RB#0	21.27	12.18	34.77	PASS
Band12	5MHz	16QAM	23035	12RB#6	21.31	12.22	34.77	PASS
Band12	5MHz	16QAM	23035	12RB#13	21.31	12.22	34.77	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.37	12.28	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#0	22.83	13.74	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.41	13.32	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#24	22.53	13.44	34.77	PASS
Band12	5MHz	16QAM	23095	12RB#0	21.41	12.32	34.77	PASS
Band12	5MHz	16QAM	23095	12RB#6	21.43	12.34	34.77	PASS
Band12	5MHz	16QAM	23095	12RB#13	21.47	12.38	34.77	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.38	12.29	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#0	22.49	13.40	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#12	22.59	13.50	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#24	22.64	13.55	34.77	PASS
Band12	5MHz	16QAM	23155	12RB#0	21.38	12.29	34.77	PASS
Band12	5MHz	16QAM	23155	12RB#6	21.44	12.35	34.77	PASS
Band12	5MHz	16QAM	23155	12RB#13	21.54	12.45	34.77	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.60	12.51	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#0	21.26	12.17	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#12	21.38	12.29	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#24	21.32	12.23	34.77	PASS
Band12	5MHz	64QAM	23035	12RB#0	20.76	11.67	34.77	PASS
Band12	5MHz	64QAM	23035	12RB#6	20.67	11.58	34.77	PASS
Band12	5MHz	64QAM	23035	12RB#13	20.75	11.66	34.77	PASS
Band12	5MHz	64QAM	23035	25RB#0	20.83	11.74	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#0	21.29	12.20	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#12	21.47	12.38	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#24	21.54	12.45	34.77	PASS
Band12	5MHz	64QAM	23095	12RB#0	20.83	11.74	34.77	PASS
Band12	5MHz	64QAM	23095	12RB#6	20.82	11.73	34.77	PASS
Band12	5MHz	64QAM	23095	12RB#13	20.82	11.73	34.77	PASS
Band12	5MHz	64QAM	23095	25RB#0	20.85	11.76	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#0	21.45	12.36	34.77	PASS

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Band12	5MHz	64QAM	23155	1RB#12	21.54	12.45	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#24	21.66	12.57	34.77	PASS
Band12	5MHz	64QAM	23155	12RB#0	20.96	11.87	34.77	PASS
Band12	5MHz	64QAM	23155	12RB#6	20.89	11.80	34.77	PASS
Band12	5MHz	64QAM	23155	12RB#13	20.87	11.78	34.77	PASS
Band12	5MHz	64QAM	23155	25RB#0	20.91	11.82	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.31	14.22	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.37	14.28	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.41	14.32	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#0	22.33	13.24	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#12	22.31	13.22	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#25	22.48	13.39	34.77	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.44	13.35	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.67	14.58	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.43	14.34	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#49	23.48	14.39	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#0	22.29	13.20	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#12	22.40	13.31	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#25	22.49	13.40	34.77	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.45	13.36	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.36	14.27	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#24	23.48	14.39	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#49	23.63	14.54	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#0	22.34	13.25	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#12	22.46	13.37	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#25	22.47	13.38	34.77	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.40	13.31	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#0	22.14	13.05	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.32	13.23	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#49	22.07	12.98	34.77	PASS
Band12	10MHz	16QAM	23060	25RB#0	21.29	12.20	34.77	PASS
Band12	10MHz	16QAM	23060	25RB#12	21.40	12.31	34.77	PASS
Band12	10MHz	16QAM	23060	25RB#25	21.41	12.32	34.77	PASS
Band12	10MHz	16QAM	23060	50RB#0	21.49	12.40	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#0	22.23	13.14	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#24	22.43	13.34	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#49	22.14	13.05	34.77	PASS
Band12	10MHz	16QAM	23095	25RB#0	21.42	12.33	34.77	PASS

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Band12	10MHz	16QAM	23095	25RB#12	21.40	12.31	34.77	PASS
Band12	10MHz	16QAM	23095	25RB#25	21.53	12.44	34.77	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.34	12.25	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#0	22.48	13.39	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#24	22.06	12.97	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#49	22.11	13.02	34.77	PASS
Band12	10MHz	16QAM	23130	25RB#0	21.34	12.25	34.77	PASS
Band12	10MHz	16QAM	23130	25RB#12	21.47	12.38	34.77	PASS
Band12	10MHz	16QAM	23130	25RB#25	21.49	12.40	34.77	PASS
Band12	10MHz	16QAM	23130	50RB#0	21.38	12.29	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#0	21.21	12.12	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#24	21.45	12.36	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#49	21.41	12.32	34.77	PASS
Band12	10MHz	64QAM	23060	25RB#0	20.72	11.63	34.77	PASS
Band12	10MHz	64QAM	23060	25RB#12	20.78	11.69	34.77	PASS
Band12	10MHz	64QAM	23060	25RB#25	20.90	11.81	34.77	PASS
Band12	10MHz	64QAM	23060	50RB#0	20.86	11.77	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#0	21.67	12.58	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#24	21.41	12.32	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#49	21.47	12.38	34.77	PASS
Band12	10MHz	64QAM	23095	25RB#0	20.66	11.57	34.77	PASS
Band12	10MHz	64QAM	23095	25RB#12	20.77	11.68	34.77	PASS
Band12	10MHz	64QAM	23095	25RB#25	20.90	11.81	34.77	PASS
Band12	10MHz	64QAM	23095	50RB#0	20.92	11.83	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#0	21.39	12.30	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#24	21.47	12.38	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#49	21.61	12.52	34.77	PASS
Band12	10MHz	64QAM	23130	25RB#0	20.73	11.64	34.77	PASS
Band12	10MHz	64QAM	23130	25RB#12	20.81	11.72	34.77	PASS
Band12	10MHz	64QAM	23130	25RB#25	20.97	11.88	34.77	PASS
Band12	10MHz	64QAM	23130	50RB#0	20.77	11.68	34.77	PASS

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ANT41:

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	22.98	15.71	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	22.92	15.65	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	22.95	15.68	34.77	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	23.12	15.85	34.77	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	23.09	15.82	34.77	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	23.23	15.96	34.77	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.03	14.76	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	23.27	16.00	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.18	15.91	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	23.32	16.05	34.77	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	23.17	15.90	34.77	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	23.09	15.82	34.77	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	23.10	15.83	34.77	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.21	14.94	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	23.25	15.98	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.45	16.18	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	23.26	15.99	34.77	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	23.25	15.98	34.77	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	23.37	16.10	34.77	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	23.39	16.12	34.77	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.34	15.07	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	22.06	14.79	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	22.10	14.83	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	22.52	15.25	34.77	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	22.13	14.86	34.77	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	22.06	14.79	34.77	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	22.19	14.92	34.77	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	21.03	13.76	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	22.49	15.22	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	22.29	15.02	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.25	14.98	34.77	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	22.05	14.78	34.77	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	22.22	14.95	34.77	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	22.10	14.83	34.77	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	21.18	13.91	34.77	PASS

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Band12	1.4MHz	16QAM	23173	1RB#0	22.59	15.32	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	22.55	15.28	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	22.66	15.39	34.77	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	22.39	15.12	34.77	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	22.43	15.16	34.77	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	22.39	15.12	34.77	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	21.33	14.06	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#0	21.62	14.35	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#2	21.24	13.97	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#5	21.63	14.36	34.77	PASS
Band12	1.4MHz	64QAM	23017	3RB#0	21.45	14.18	34.77	PASS
Band12	1.4MHz	64QAM	23017	3RB#1	21.65	14.38	34.77	PASS
Band12	1.4MHz	64QAM	23017	3RB#3	21.47	14.20	34.77	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	20.22	12.95	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#0	21.42	14.15	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#2	21.54	14.27	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#5	21.53	14.26	34.77	PASS
Band12	1.4MHz	64QAM	23095	3RB#0	21.53	14.26	34.77	PASS
Band12	1.4MHz	64QAM	23095	3RB#1	21.50	14.23	34.77	PASS
Band12	1.4MHz	64QAM	23095	3RB#3	21.65	14.38	34.77	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	20.30	13.03	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#0	21.63	14.36	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#2	21.31	14.04	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#5	21.59	14.32	34.77	PASS
Band12	1.4MHz	64QAM	23173	3RB#0	21.57	14.30	34.77	PASS
Band12	1.4MHz	64QAM	23173	3RB#1	21.45	14.18	34.77	PASS
Band12	1.4MHz	64QAM	23173	3RB#3	21.56	14.29	34.77	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	20.41	13.14	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#0	23.13	15.86	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#8	23.23	15.96	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.12	15.85	34.77	PASS
Band12	3MHz	QPSK	23025	8RB#0	22.03	14.76	34.77	PASS
Band12	3MHz	QPSK	23025	8RB#4	22.09	14.82	34.77	PASS
Band12	3MHz	QPSK	23025	8RB#7	22.04	14.77	34.77	PASS
Band12	3MHz	QPSK	23025	15RB#0	22.05	14.78	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#0	23.21	15.94	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#8	23.14	15.87	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#14	23.25	15.98	34.77	PASS

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Band12	3MHz	QPSK	23095	8RB#0	22.10	14.83	34.77	PASS
Band12	3MHz	QPSK	23095	8RB#4	22.14	14.87	34.77	PASS
Band12	3MHz	QPSK	23095	8RB#7	22.13	14.86	34.77	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.21	14.94	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.32	16.05	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#8	23.41	16.14	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#14	23.42	16.15	34.77	PASS
Band12	3MHz	QPSK	23165	8RB#0	22.27	15.00	34.77	PASS
Band12	3MHz	QPSK	23165	8RB#4	22.32	15.05	34.77	PASS
Band12	3MHz	QPSK	23165	8RB#7	22.30	15.03	34.77	PASS
Band12	3MHz	QPSK	23165	15RB#0	22.29	15.02	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#0	22.33	15.06	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#8	21.95	14.68	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#14	22.47	15.20	34.77	PASS
Band12	3MHz	16QAM	23025	8RB#0	21.16	13.89	34.77	PASS
Band12	3MHz	16QAM	23025	8RB#4	21.13	13.86	34.77	PASS
Band12	3MHz	16QAM	23025	8RB#7	21.20	13.93	34.77	PASS
Band12	3MHz	16QAM	23025	15RB#0	20.96	13.69	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#0	22.63	15.36	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#8	22.07	14.80	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.22	14.95	34.77	PASS
Band12	3MHz	16QAM	23095	8RB#0	21.10	13.83	34.77	PASS
Band12	3MHz	16QAM	23095	8RB#4	21.14	13.87	34.77	PASS
Band12	3MHz	16QAM	23095	8RB#7	21.16	13.89	34.77	PASS
Band12	3MHz	16QAM	23095	15RB#0	21.18	13.91	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#0	22.49	15.22	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#8	22.63	15.36	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#14	22.76	15.49	34.77	PASS
Band12	3MHz	16QAM	23165	8RB#0	21.31	14.04	34.77	PASS
Band12	3MHz	16QAM	23165	8RB#4	21.44	14.17	34.77	PASS
Band12	3MHz	16QAM	23165	8RB#7	21.32	14.05	34.77	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.30	14.03	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#0	21.73	14.46	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#8	21.22	13.95	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#14	21.64	14.37	34.77	PASS
Band12	3MHz	64QAM	23025	8RB#0	20.24	12.97	34.77	PASS
Band12	3MHz	64QAM	23025	8RB#4	20.39	13.12	34.77	PASS
Band12	3MHz	64QAM	23025	8RB#7	20.34	13.07	34.77	PASS

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Band12	3MHz	64QAM	23025	15RB#0	20.35	13.08	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#0	21.34	14.07	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#8	21.62	14.35	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#14	21.61	14.34	34.77	PASS
Band12	3MHz	64QAM	23095	8RB#0	20.28	13.01	34.77	PASS
Band12	3MHz	64QAM	23095	8RB#4	20.23	12.96	34.77	PASS
Band12	3MHz	64QAM	23095	8RB#7	20.46	13.19	34.77	PASS
Band12	3MHz	64QAM	23095	15RB#0	20.39	13.12	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#0	21.75	14.48	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#8	21.30	14.03	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#14	21.57	14.30	34.77	PASS
Band12	3MHz	64QAM	23165	8RB#0	20.31	13.04	34.77	PASS
Band12	3MHz	64QAM	23165	8RB#4	20.19	12.92	34.77	PASS
Band12	3MHz	64QAM	23165	8RB#7	20.28	13.01	34.77	PASS
Band12	3MHz	64QAM	23165	15RB#0	20.46	13.19	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#0	23.13	15.86	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.06	15.79	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#24	23.29	16.02	34.77	PASS
Band12	5MHz	QPSK	23035	12RB#0	22.06	14.79	34.77	PASS
Band12	5MHz	QPSK	23035	12RB#6	22.07	14.80	34.77	PASS
Band12	5MHz	QPSK	23035	12RB#13	22.14	14.87	34.77	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.08	14.81	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#0	23.31	16.04	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.25	15.98	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#24	23.24	15.97	34.77	PASS
Band12	5MHz	QPSK	23095	12RB#0	22.12	14.85	34.77	PASS
Band12	5MHz	QPSK	23095	12RB#6	22.18	14.91	34.77	PASS
Band12	5MHz	QPSK	23095	12RB#13	22.21	14.94	34.77	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.26	14.99	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#0	23.28	16.01	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.30	16.03	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#24	23.42	16.15	34.77	PASS
Band12	5MHz	QPSK	23155	12RB#0	22.30	15.03	34.77	PASS
Band12	5MHz	QPSK	23155	12RB#6	22.30	15.03	34.77	PASS
Band12	5MHz	QPSK	23155	12RB#13	22.28	15.01	34.77	PASS
Band12	5MHz	QPSK	23155	25RB#0	22.28	15.01	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#0	22.07	14.80	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#12	22.16	14.89	34.77	PASS

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Band12	5MHz	16QAM	23035	1RB#24	22.60	15.33	34.77	PASS
Band12	5MHz	16QAM	23035	12RB#0	21.10	13.83	34.77	PASS
Band12	5MHz	16QAM	23035	12RB#6	21.10	13.83	34.77	PASS
Band12	5MHz	16QAM	23035	12RB#13	21.12	13.85	34.77	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.12	13.85	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#0	22.44	15.17	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.50	15.23	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#24	22.46	15.19	34.77	PASS
Band12	5MHz	16QAM	23095	12RB#0	21.15	13.88	34.77	PASS
Band12	5MHz	16QAM	23095	12RB#6	21.17	13.90	34.77	PASS
Band12	5MHz	16QAM	23095	12RB#13	21.17	13.90	34.77	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.30	14.03	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#0	22.69	15.42	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#12	22.33	15.06	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#24	22.34	15.07	34.77	PASS
Band12	5MHz	16QAM	23155	12RB#0	21.23	13.96	34.77	PASS
Band12	5MHz	16QAM	23155	12RB#6	21.22	13.95	34.77	PASS
Band12	5MHz	16QAM	23155	12RB#13	21.23	13.96	34.77	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.24	13.97	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#0	21.66	14.39	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#12	21.31	14.04	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#24	21.67	14.40	34.77	PASS
Band12	5MHz	64QAM	23035	12RB#0	20.25	12.98	34.77	PASS
Band12	5MHz	64QAM	23035	12RB#6	20.31	13.04	34.77	PASS
Band12	5MHz	64QAM	23035	12RB#13	20.46	13.19	34.77	PASS
Band12	5MHz	64QAM	23035	25RB#0	20.31	13.04	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#0	21.43	14.16	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#12	21.63	14.36	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#24	21.48	14.21	34.77	PASS
Band12	5MHz	64QAM	23095	12RB#0	20.34	13.07	34.77	PASS
Band12	5MHz	64QAM	23095	12RB#6	20.36	13.09	34.77	PASS
Band12	5MHz	64QAM	23095	12RB#13	20.46	13.19	34.77	PASS
Band12	5MHz	64QAM	23095	25RB#0	20.33	13.06	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#0	21.76	14.49	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#12	21.32	14.05	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#24	21.68	14.41	34.77	PASS
Band12	5MHz	64QAM	23155	12RB#0	20.20	12.93	34.77	PASS
Band12	5MHz	64QAM	23155	12RB#6	20.19	12.92	34.77	PASS

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Band12	5MHz	64QAM	23155	25RB#0	20.38	13.11	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.14	15.87	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.37	16.10	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.30	16.03	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#0	22.11	14.84	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#12	22.17	14.90	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#25	22.36	15.09	34.77	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.19	14.92	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.03	15.76	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.47	16.20	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#49	23.27	16.00	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#0	22.11	14.84	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#12	22.25	14.98	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#25	22.26	14.99	34.77	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.25	14.98	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.21	15.94	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#24	23.40	16.13	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#49	23.35	16.08	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#0	22.21	14.94	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#12	22.20	14.93	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#25	22.23	14.96	34.77	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.24	14.97	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#0	22.57	15.30	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.13	14.86	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#49	22.57	15.30	34.77	PASS
Band12	10MHz	16QAM	23060	25RB#0	21.08	13.81	34.77	PASS
Band12	10MHz	16QAM	23060	25RB#12	21.20	13.93	34.77	PASS
Band12	10MHz	16QAM	23060	25RB#25	21.26	13.99	34.77	PASS
Band12	10MHz	16QAM	23060	50RB#0	21.16	13.89	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#0	22.28	15.01	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#24	22.65	15.38	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#49	22.43	15.16	34.77	PASS
Band12	10MHz	16QAM	23095	25RB#0	21.14	13.87	34.77	PASS
Band12	10MHz	16QAM	23095	25RB#12	21.18	13.91	34.77	PASS
Band12	10MHz	16QAM	23095	25RB#25	21.27	14.00	34.77	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.24	13.97	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#0	22.62	15.35	34.77	PASS

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Band12	10MHz	16QAM	23130	1RB#49	22.49	15.22	34.77	PASS
Band12	10MHz	16QAM	23130	25RB#0	21.14	13.87	34.77	PASS
Band12	10MHz	16QAM	23130	25RB#12	21.14	13.87	34.77	PASS
Band12	10MHz	16QAM	23130	25RB#25	21.14	13.87	34.77	PASS
Band12	10MHz	16QAM	23130	50RB#0	21.33	14.06	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#0	21.72	14.45	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#24	21.22	13.95	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#49	21.62	14.35	34.77	PASS
Band12	10MHz	64QAM	23060	25RB#0	20.27	13.00	34.77	PASS
Band12	10MHz	64QAM	23060	25RB#12	20.34	13.07	34.77	PASS
Band12	10MHz	64QAM	23060	25RB#25	20.45	13.18	34.77	PASS
Band12	10MHz	64QAM	23060	50RB#0	20.26	12.99	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#0	21.34	14.07	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#24	21.67	14.40	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#49	21.56	14.29	34.77	PASS
Band12	10MHz	64QAM	23095	25RB#0	20.29	13.02	34.77	PASS
Band12	10MHz	64QAM	23095	25RB#12	20.33	13.06	34.77	PASS
Band12	10MHz	64QAM	23095	25RB#25	20.41	13.14	34.77	PASS
Band12	10MHz	64QAM	23095	50RB#0	20.38	13.11	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#0	21.68	14.41	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#24	21.23	13.96	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#49	21.63	14.36	34.77	PASS
Band12	10MHz	64QAM	23130	25RB#0	20.19	12.92	34.77	PASS
Band12	10MHz	64QAM	23130	25RB#12	20.20	12.93	34.77	PASS
Band12	10MHz	64QAM	23130	25RB#25	20.30	13.03	34.77	PASS
Band12	10MHz	64QAM	23130	50RB#0	20.47	13.20	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]

The conducted Power is measured by Base Station Simulator

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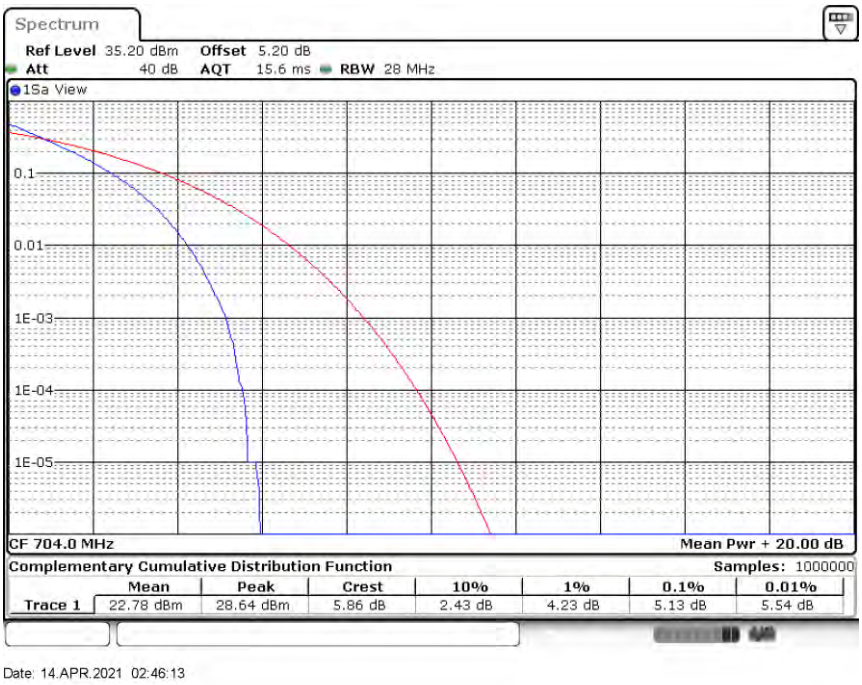
2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	10MHz	QPSK	23060	50RB#0	5.13	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.25	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.16	13	PASS
Band12	10MHz	64QAM	23060	50RB#0	6.29	13	PASS
Band12	10MHz	64QAM	23095	50RB#0	6.38	13	PASS
Band12	10MHz	64QAM	23130	50RB#0	6.32	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	5.88	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	5.88	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	5.83	13	PASS

2.2. Test Plots

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



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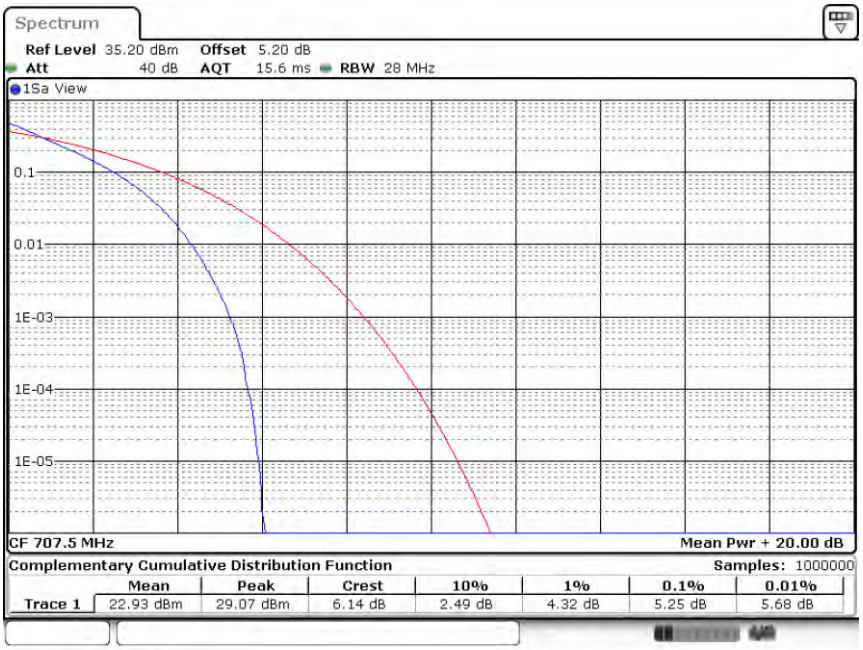
Band12-10MHz-QPSK-23095-50RB#0



Date: 14.APR.2021 02:46:36

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

Date: 14.APR.2021 02:46:58

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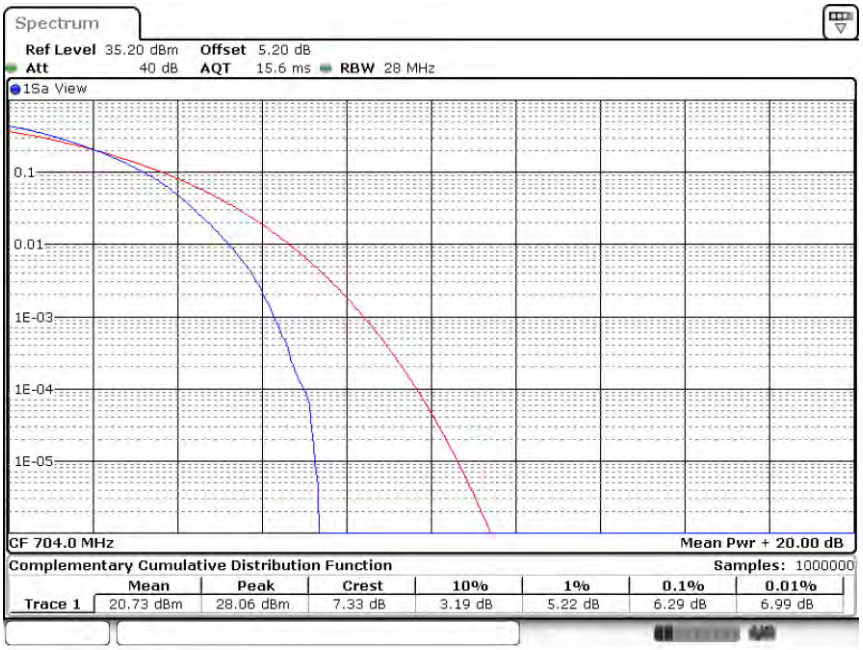
Band12-10MHz-64QAM-23060-50RB#0



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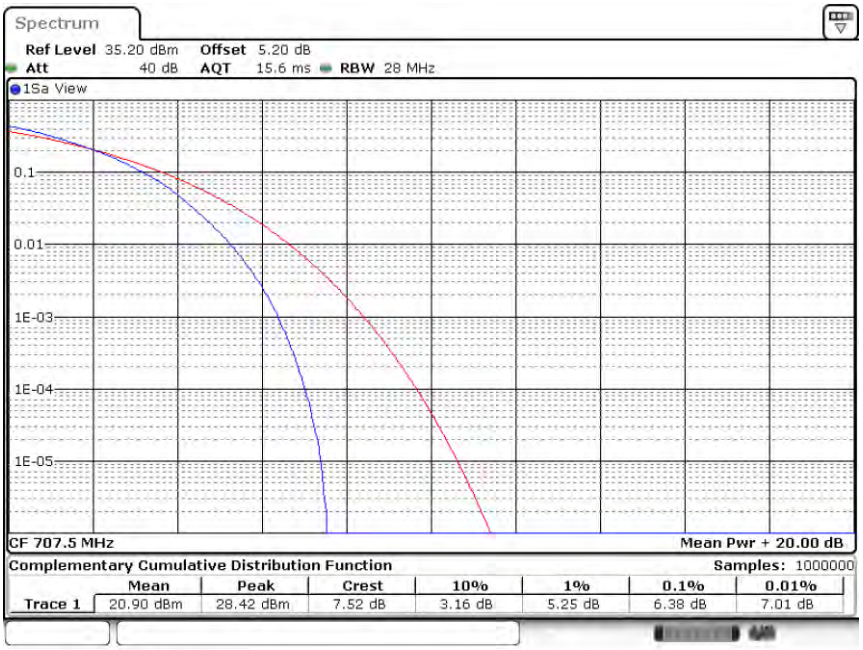
Band12-10MHz-64QAM-23095-50RB#0



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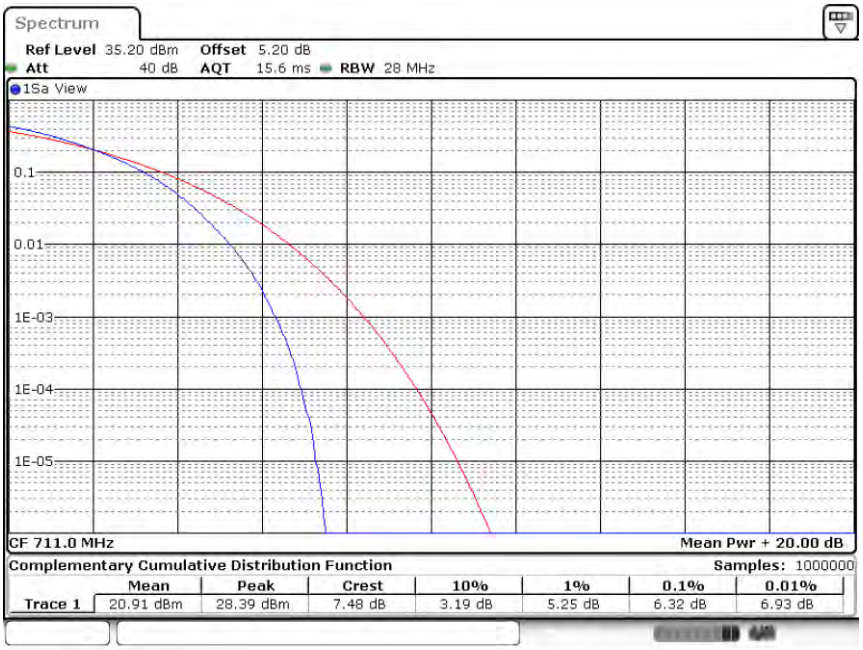
Band12-10MHz-64QAM-23130-50RB#0



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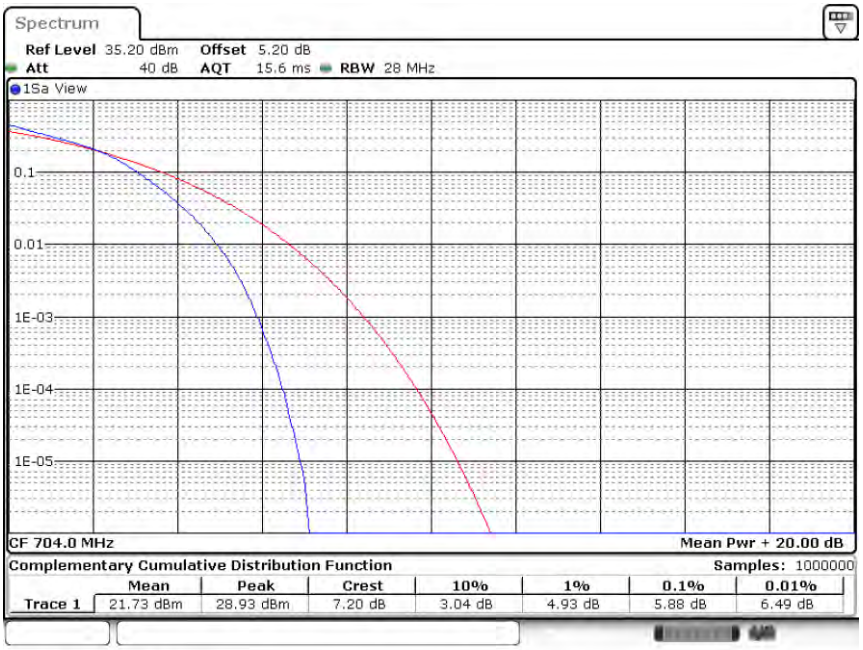
Band12-10MHz-16QAM-23060-50RB#0



Date: 14.APR.2021 02:46:24

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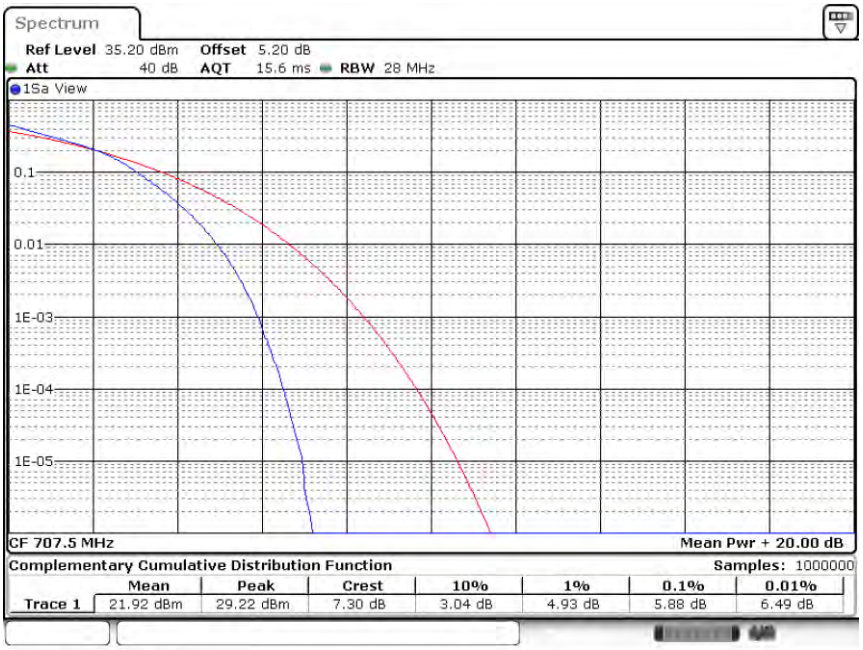
Band12-10MHz-16QAM-23095-50RB#0



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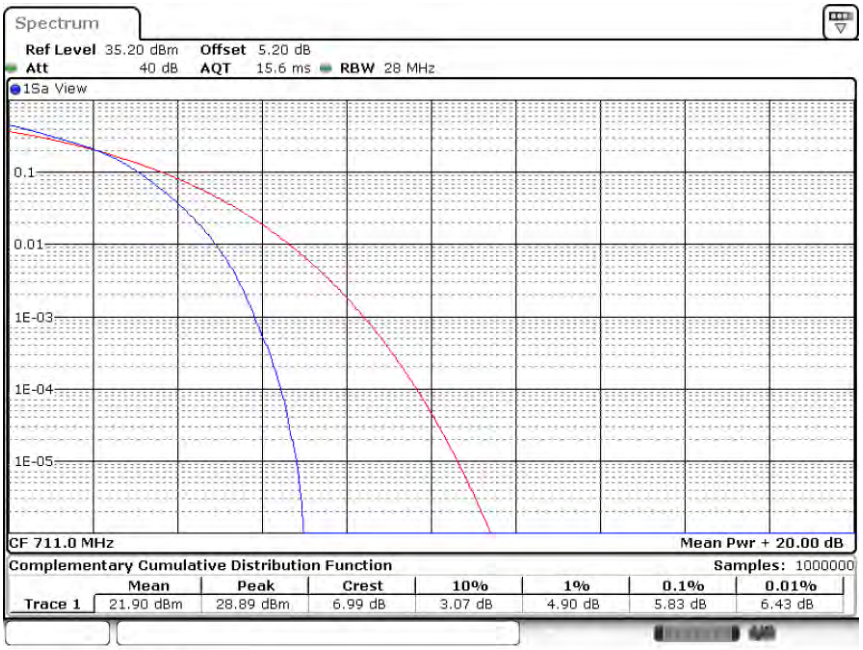
Band12-10MHz-16QAM-23130-50RB#0



Date: 14.APR.2021 02:47:10

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

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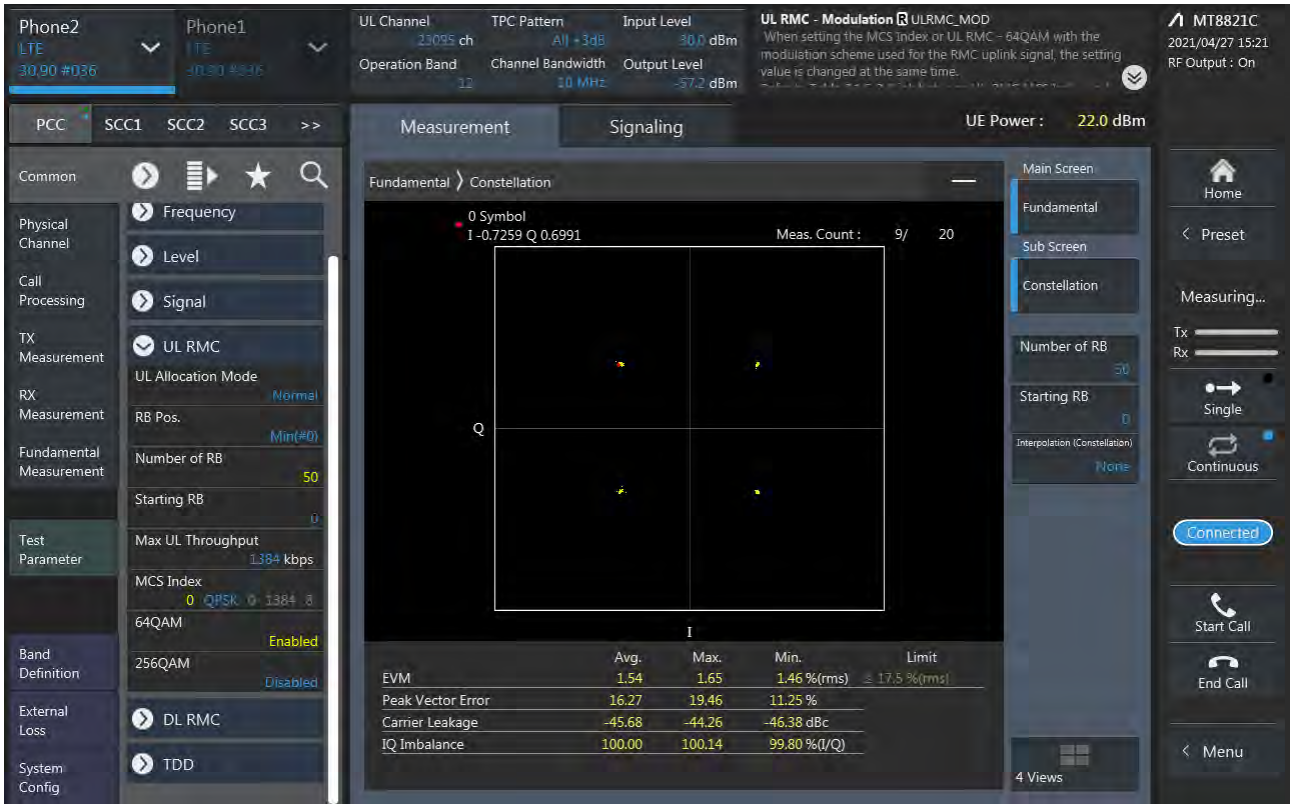
3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 10MHz

3.1.1. Test Channel = MCH



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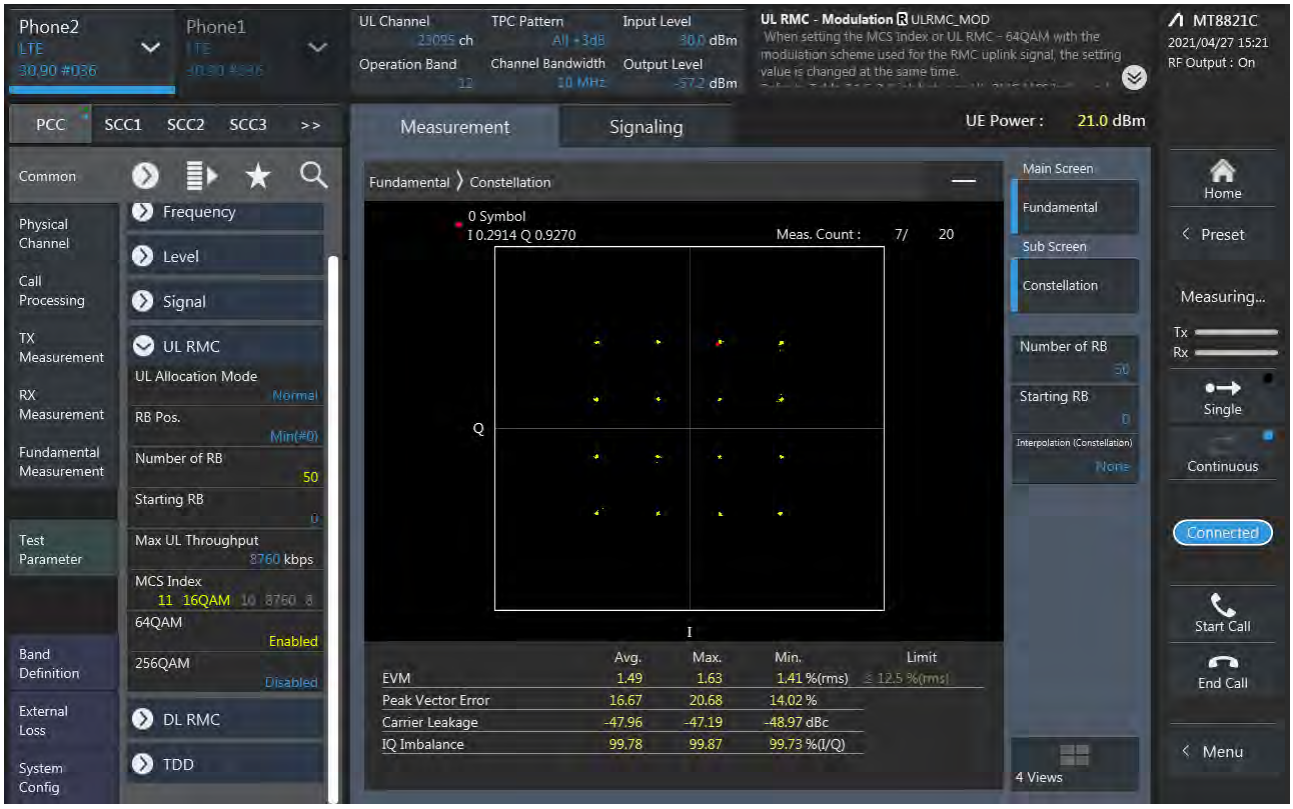
3.2. Test Mode = LTE /TM2 10MHz

3.2.1.Test Channel = MCH



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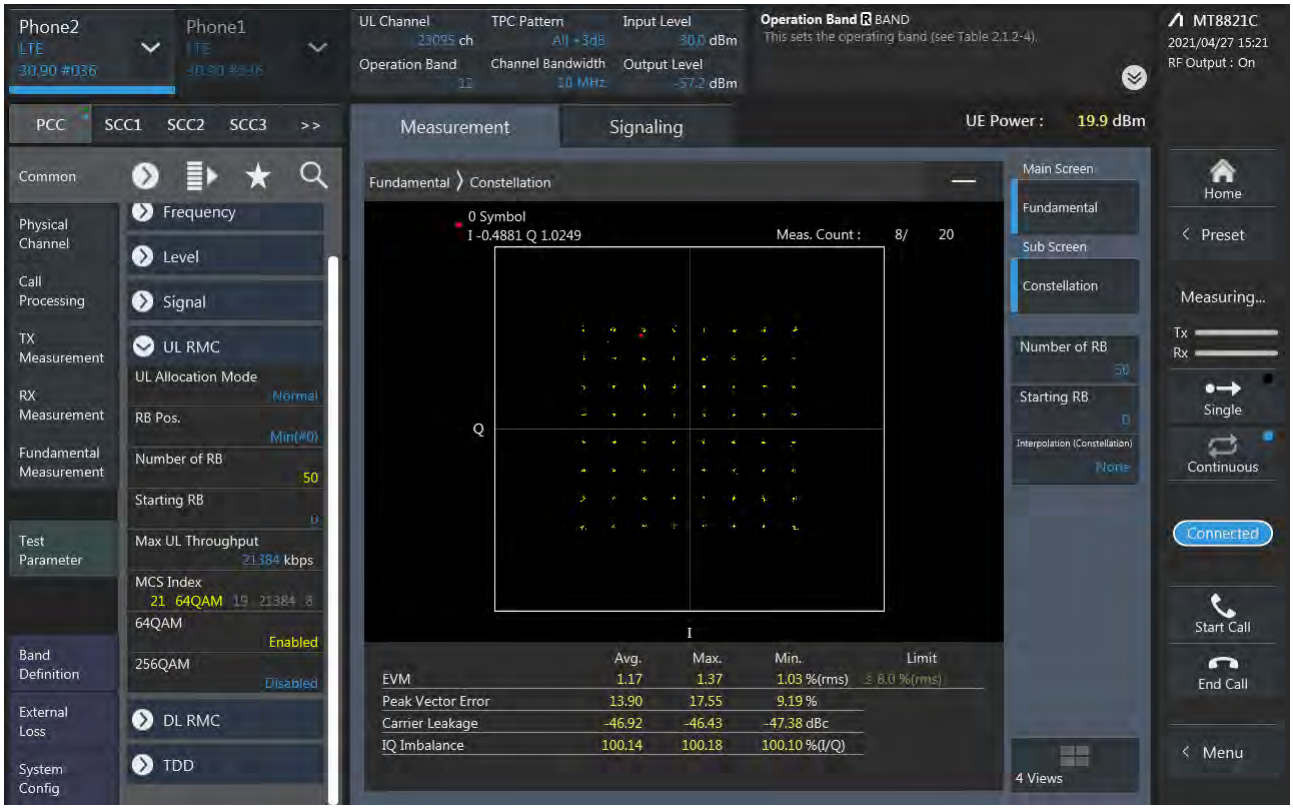
3.3. Test Mode = LTE /TM3 10MHz

3.3.1.Test Channel = MCH



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4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.091	1.287	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.091	1.299	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.091	1.284	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	1.097	1.290	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	1.097	1.287	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	1.094	1.287	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.088	1.281	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.091	1.281	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.091	1.293	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.691	2.940	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.697	2.940	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.691	2.958	PASS
Band12	3MHz	64QAM	23025	15RB#0	2.685	2.934	PASS
Band12	3MHz	64QAM	23095	15RB#0	2.685	2.982	PASS
Band12	3MHz	64QAM	23165	15RB#0	2.685	2.928	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.685	2.922	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.679	2.916	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.679	2.928	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.466	4.880	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.476	4.840	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.466	4.860	PASS
Band12	5MHz	64QAM	23035	25RB#0	4.466	4.840	PASS
Band12	5MHz	64QAM	23095	25RB#0	4.466	4.860	PASS
Band12	5MHz	64QAM	23155	25RB#0	4.476	4.860	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.476	4.880	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.476	4.890	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.476	4.870	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.931	9.580	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.951	9.680	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.951	9.680	PASS
Band12	10MHz	64QAM	23060	50RB#0	8.911	9.540	PASS

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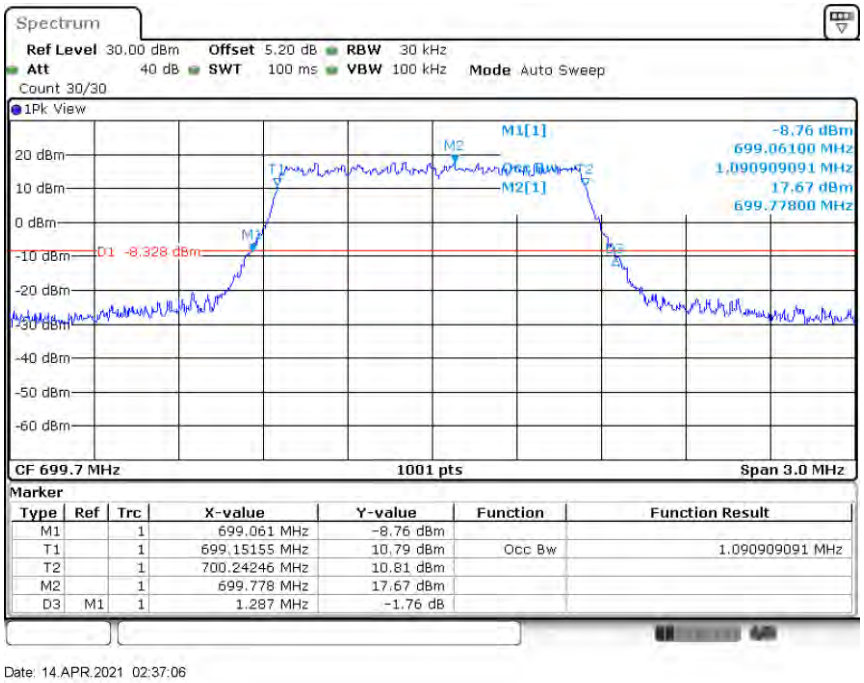
Band12	10MHz	64QAM	23095	50RB#0	8.931	9.660	PASS
Band12	10MHz	64QAM	23130	50RB#0	8.931	9.600	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.911	9.620	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.931	9.680	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.951	9.640	PASS

4.2. Test Plots

Band12-1.4MHz-QPSK-23017-6RB#0-1.091



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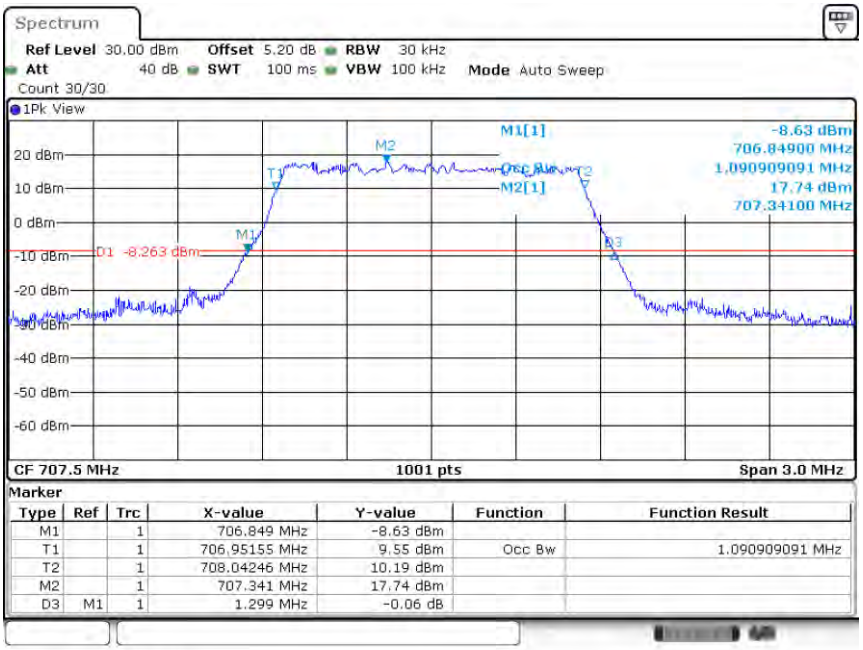
Band12-1.4MHz-QPSK-23095-6RB#0-1.091



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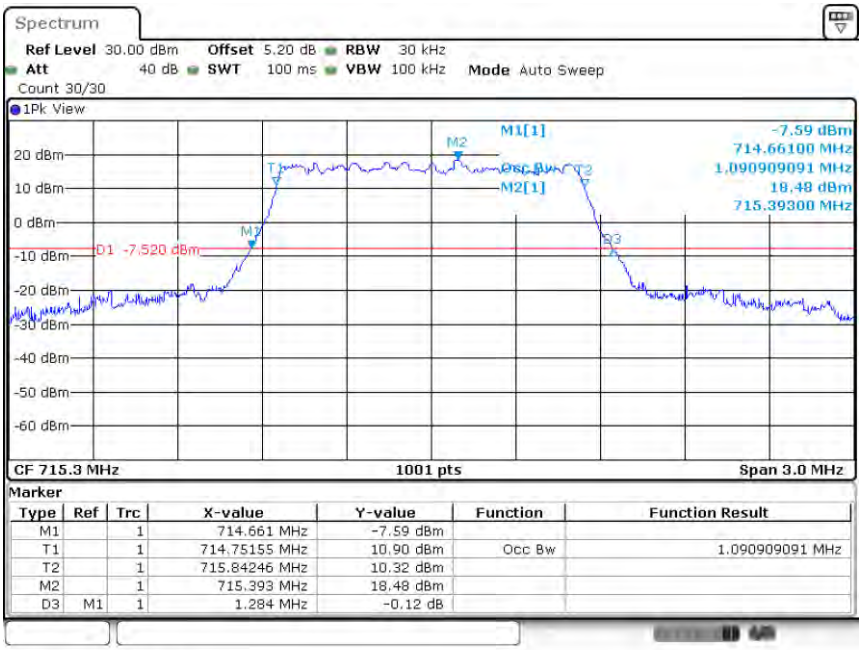
Band12-1.4MHz-QPSK-23173-6RB#0-1.091



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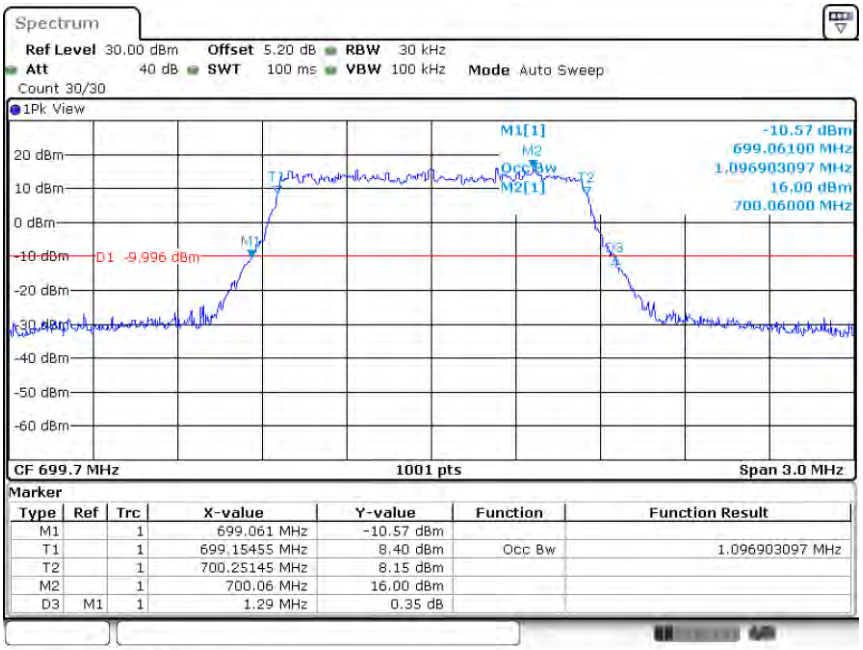
Band12-1.4MHz-64QAM-23017-6RB#0-1.097



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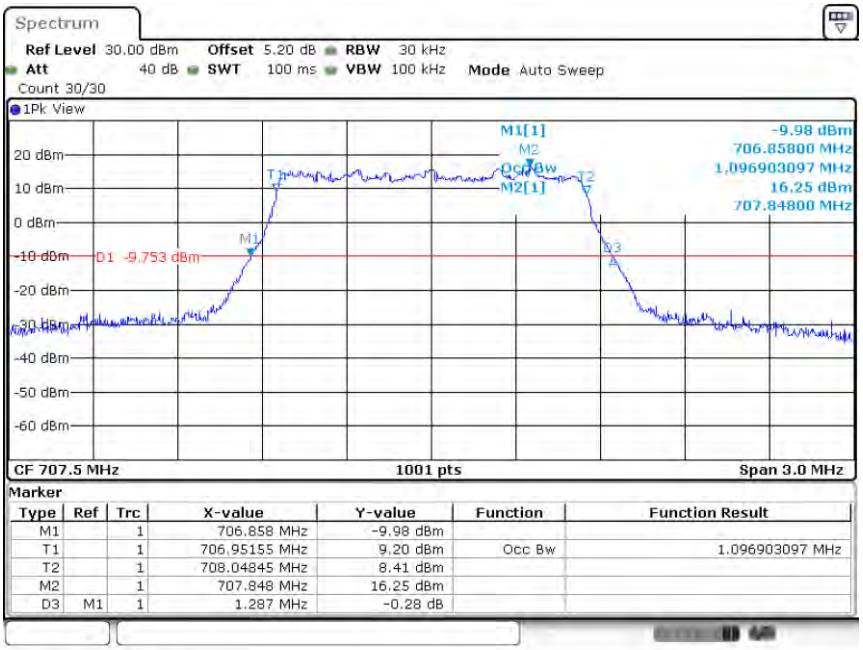
Band12-1.4MHz-64QAM-23095-6RB#0-1.097



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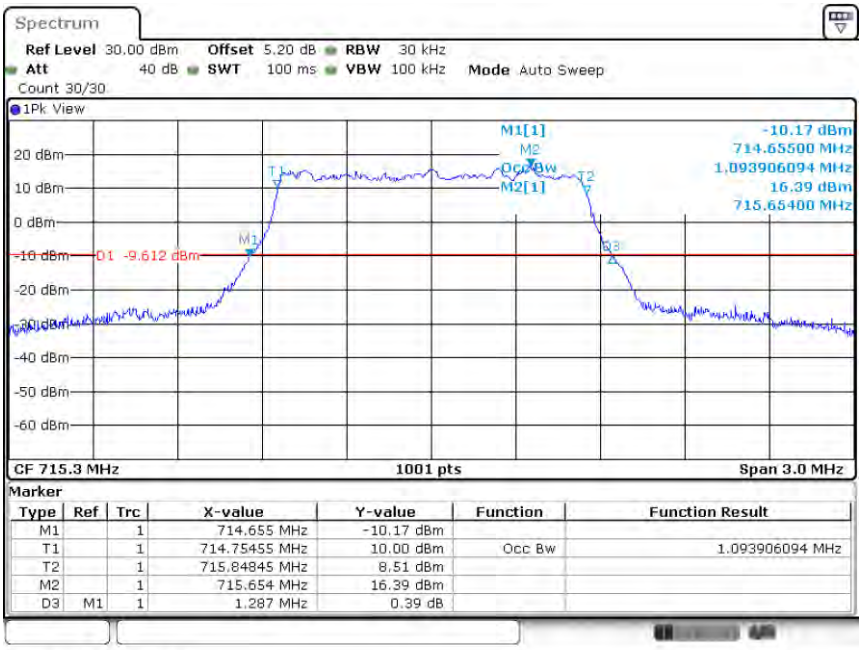
Band12-1.4MHz-64QAM-23173-6RB#0-1.094



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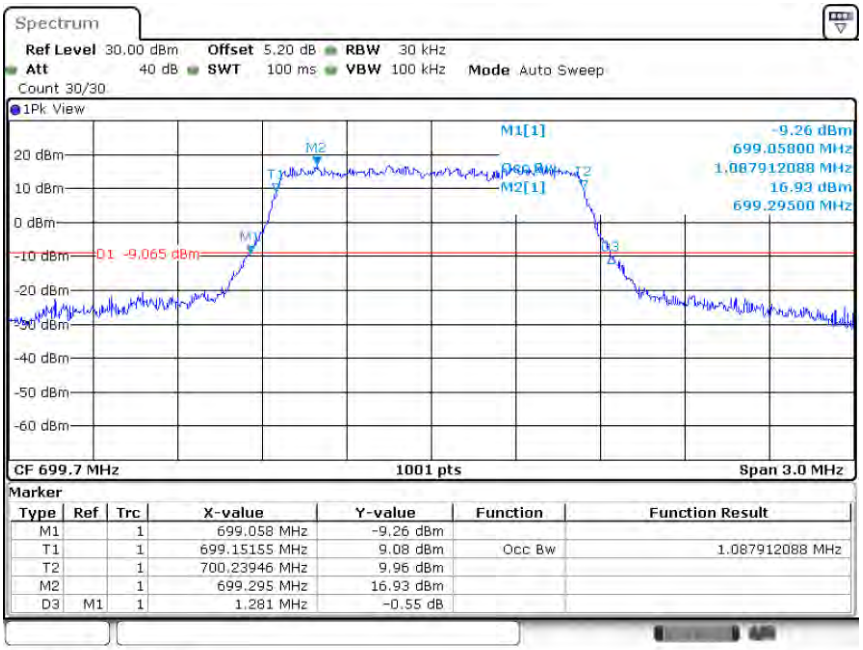
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	714.655 MHz	-10.17 dBm		
T1		1	714.75455 MHz	10.00 dBm	Occ Bw	1.093906094 MHz
T2		1	715.84845 MHz	8.51 dBm		
M2		1	715.654 MHz	16.39 dBm		
D3	M1	1	1.287 MHz	0.39 dB		

Date: 14.APR.2021 03:09:22

Band12-1.4MHz-16QAM-23017-6RB#0-1.088



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	699.058 MHz	-9.26 dBm		
T1		1	699.15155 MHz	9.08 dBm	Occ Bw	1.087912088 MHz
T2		1	700.23946 MHz	9.96 dBm		
M2		1	699.295 MHz	16.93 dBm		
D3	M1	1	1.281 MHz	-0.55 dB		

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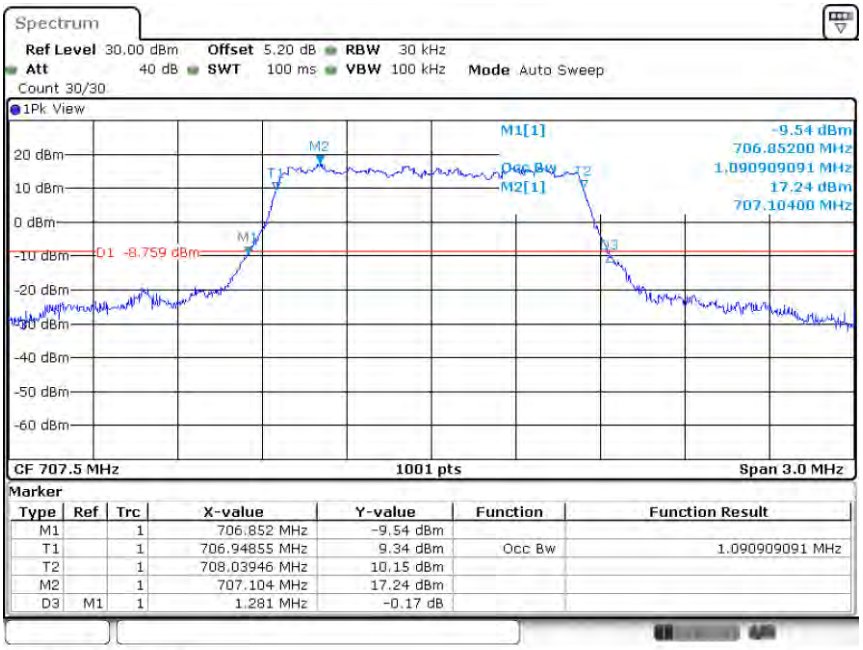
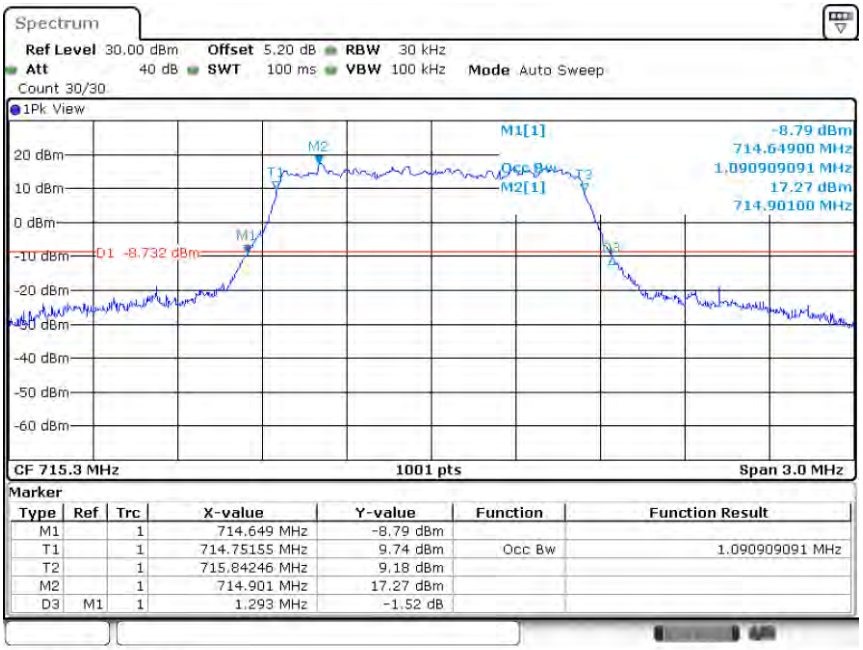
Band12-1.4MHz-16QAM-23095-6RB#0-1.091



Date: 14.APR.2021 02:37:45

Band12-1.4MHz-16QAM-23173-6RB#0-1.091



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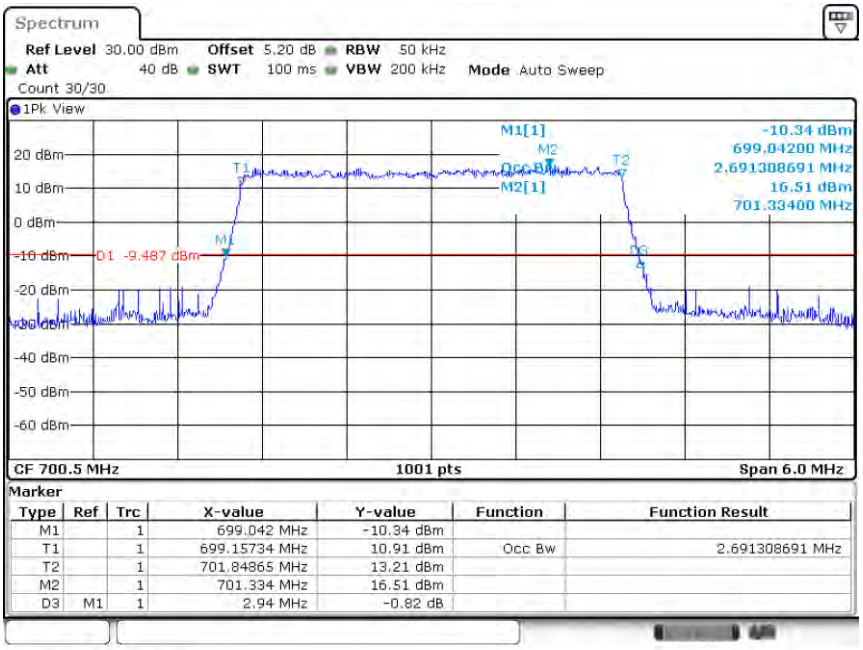
Band12-3MHz-QPSK-23025-15RB#0-2.691



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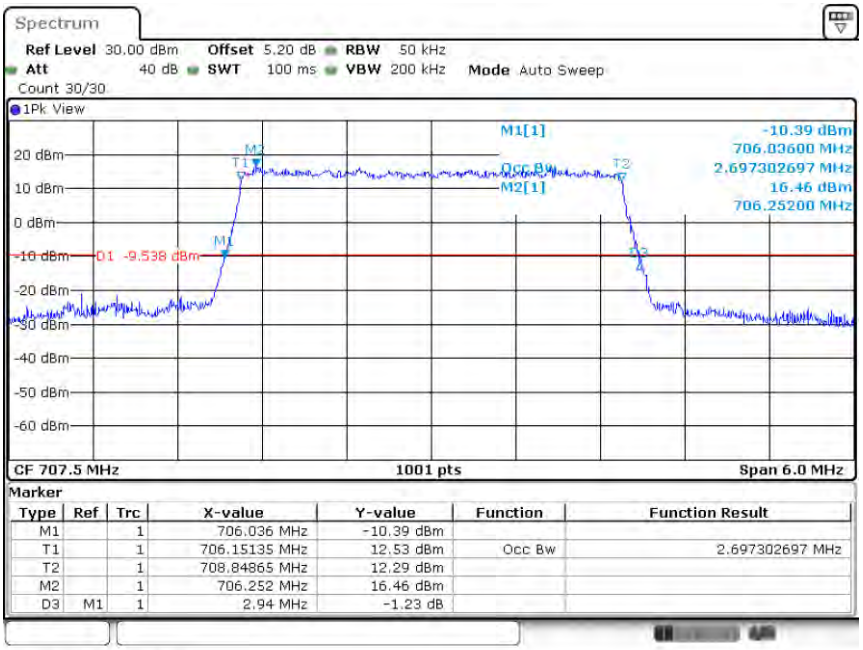
Band12-3MHz-QPSK-23095-15RB#0-2.697



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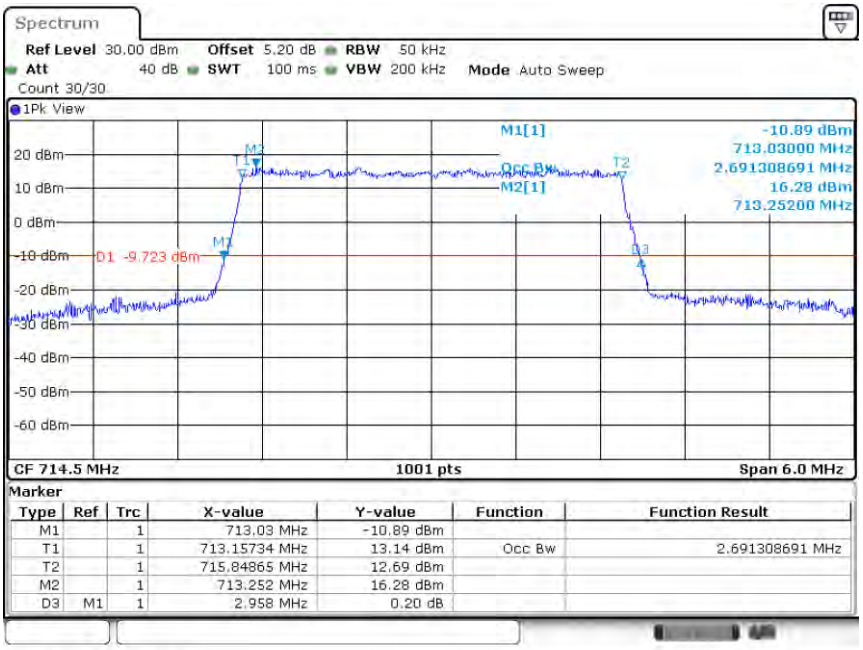
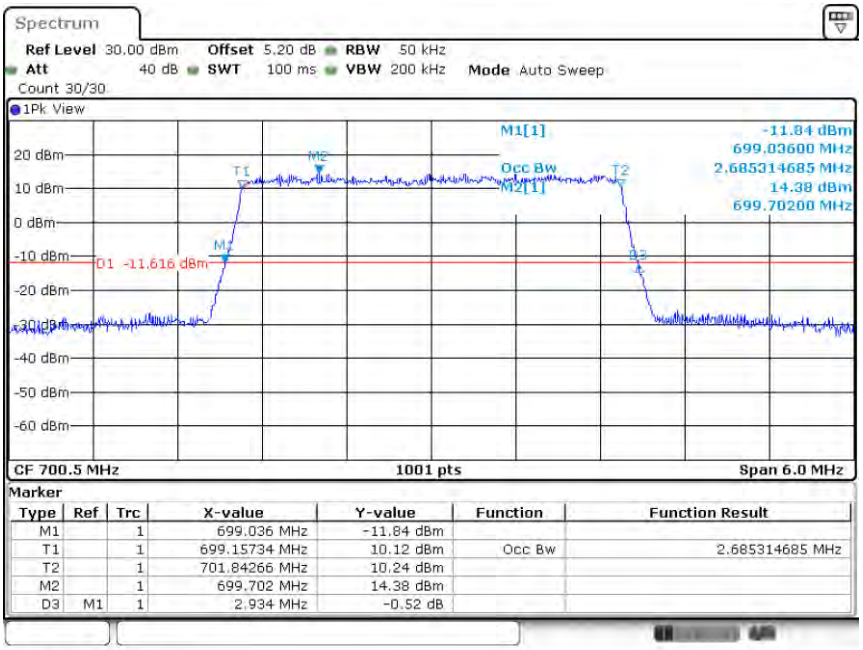
Band12-3MHz-QPSK-23165-15RB#0-2.691



Date: 14.APR.2021 02:39:22

Band12-3MHz-64QAM-23025-15RB#0-2.685



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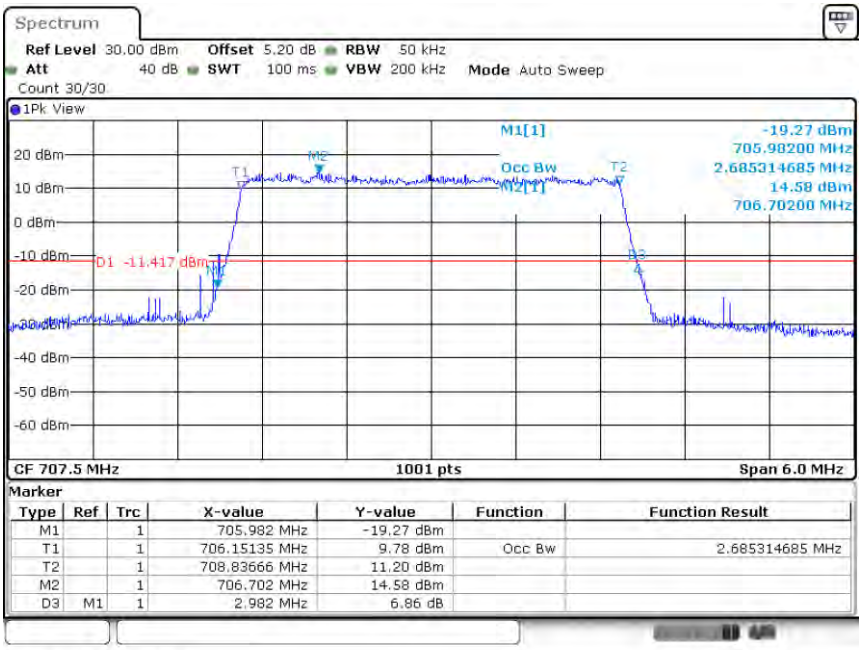
Band12-3MHz-64QAM-23095-15RB#0-2.685



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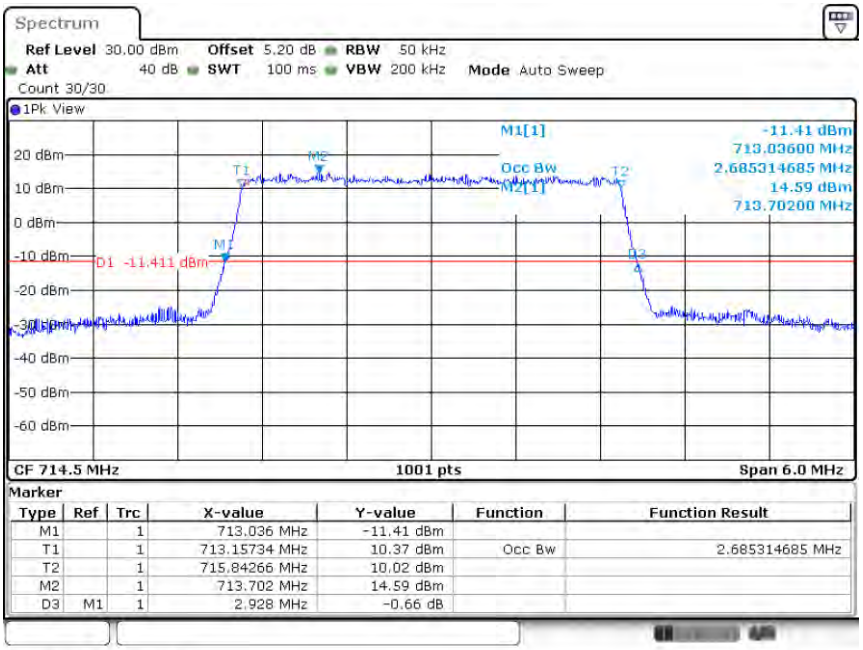
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	705.982 MHz	-19.27 dBm		
T1		1	706.15135 MHz	9.78 dBm	Occ Bw	2.685314685 MHz
T2		1	708.83666 MHz	11.20 dBm		
M2		1	706.702 MHz	14.58 dBm		
D3	M1	1	2.982 MHz	6.86 dB		

Date: 14.APR.2021 03:09:53

Band12-3MHz-64QAM-23165-15RB#0-2.685



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	713.036 MHz	-11.41 dBm		
T1		1	713.15734 MHz	10.37 dBm	Occ Bw	2.685314685 MHz
T2		1	715.84266 MHz	10.02 dBm		
M2		1	713.702 MHz	14.59 dBm		
D3	M1	1	2.928 MHz	-0.66 dB		

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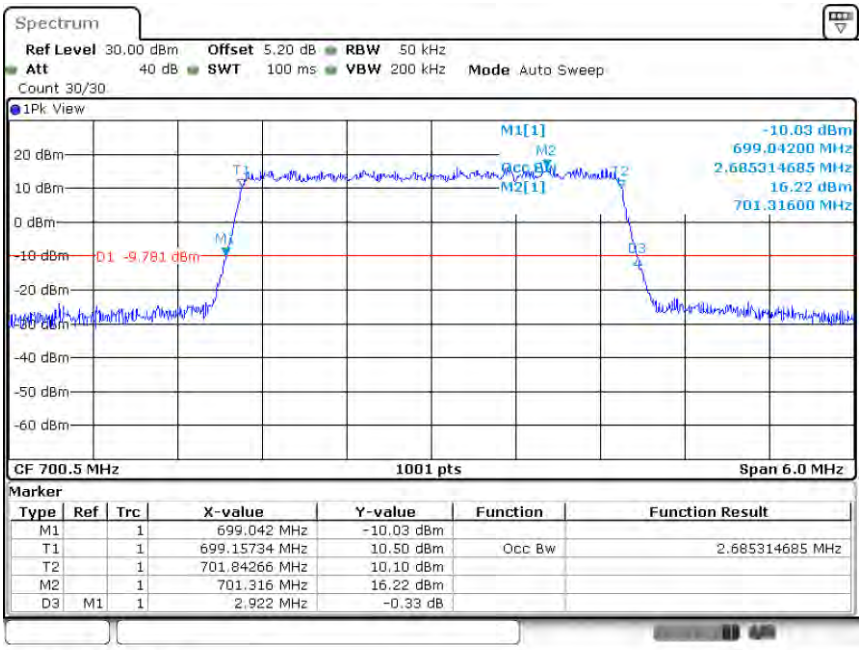
Band12-3MHz-16QAM-23025-15RB#0-2.685



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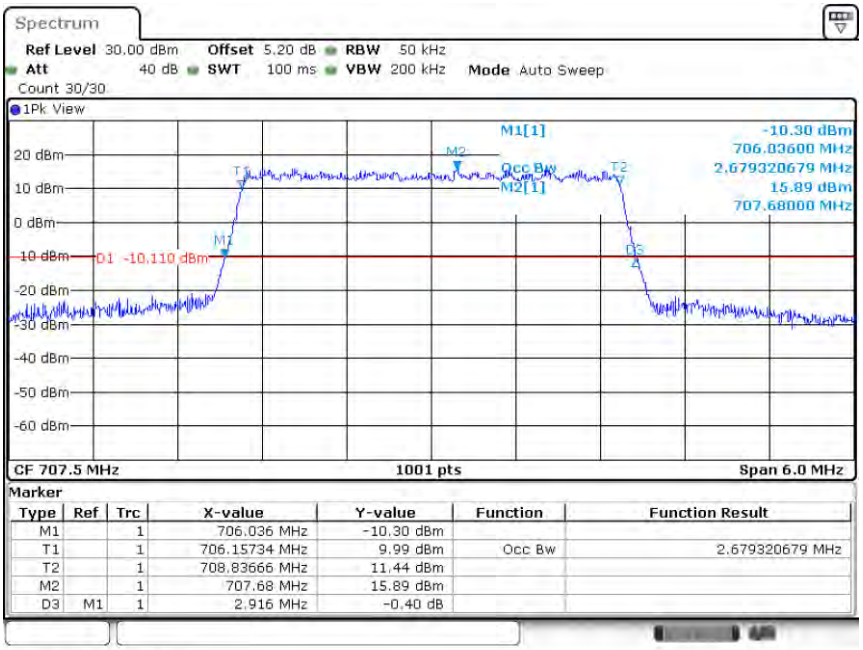
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	699.042 MHz	-10.03 dBm		
T1		1	699.15734 MHz	10.50 dBm	Occ Bw	2.685314685 MHz
T2		1	701.84266 MHz	10.10 dBm		
M2		1	701.316 MHz	16.22 dBm		
D3	M1	1	2.922 MHz	-0.33 dB		

Date: 14.APR.2021 02:38:43

Band12-3MHz-16QAM-23095-15RB#0-2.679



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	706.036 MHz	-10.30 dBm		
T1		1	706.15734 MHz	9.99 dBm	Occ Bw	2.679320679 MHz
T2		1	708.83666 MHz	11.44 dBm		
M2		1	707.68 MHz	15.89 dBm		
D3	M1	1	2.916 MHz	-0.40 dB		

Date: 14.APR.2021 02:39:09

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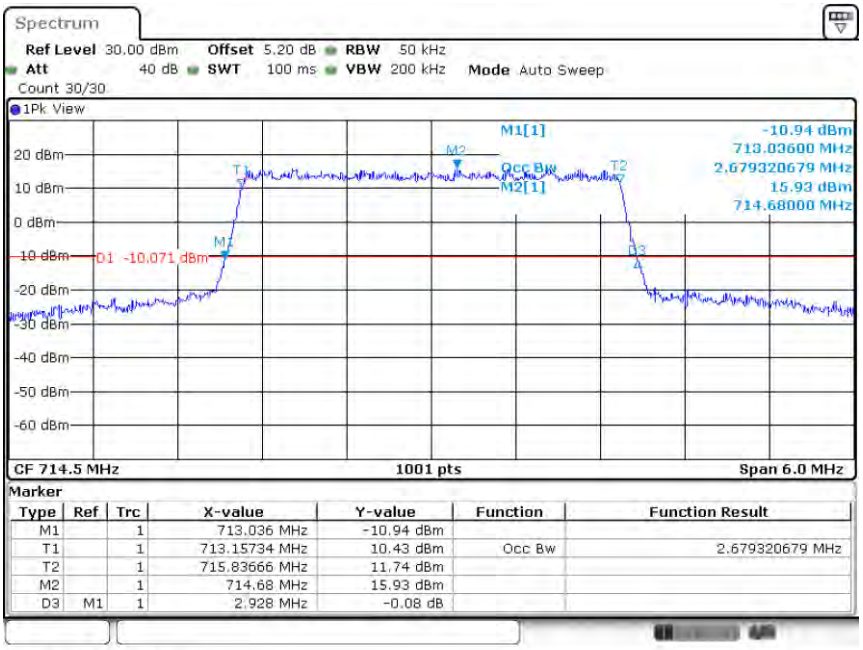
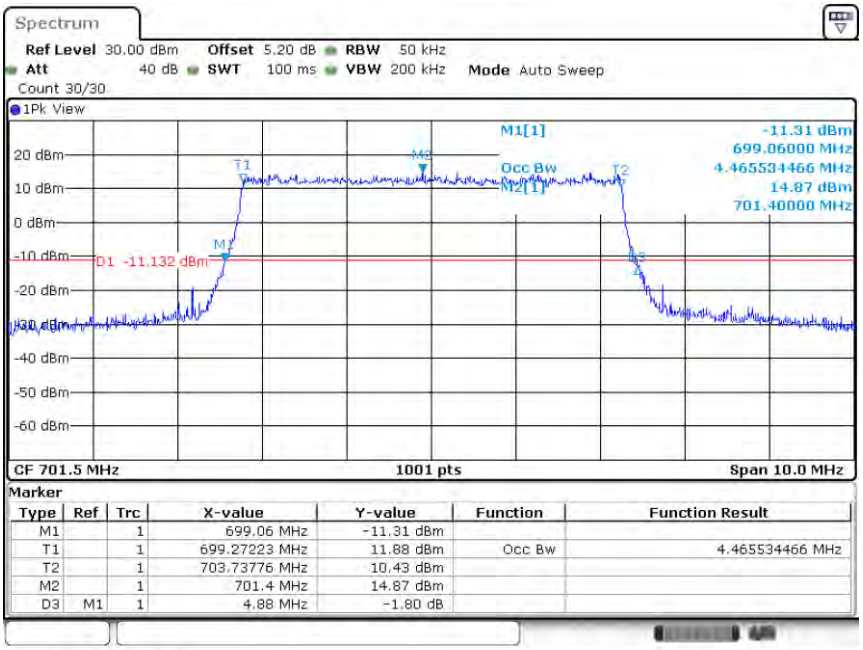
Band12-3MHz-16QAM-23165-15RB#0-2.679



Date: 14.APR.2021 02:39:35

Band12-5MHz-QPSK-23035-25RB#0-4.466



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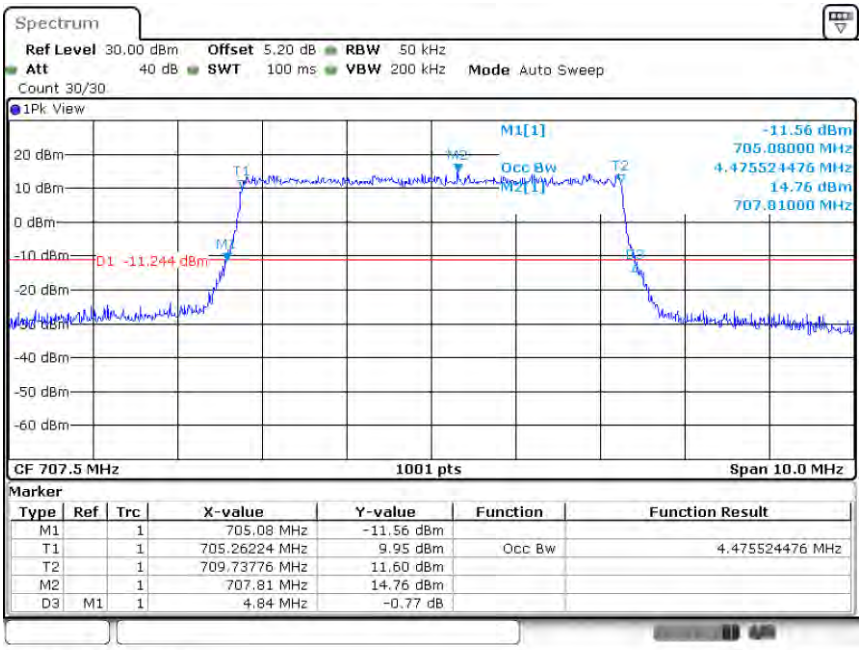
Band12-5MHz-QPSK-23095-25RB#0-4.476



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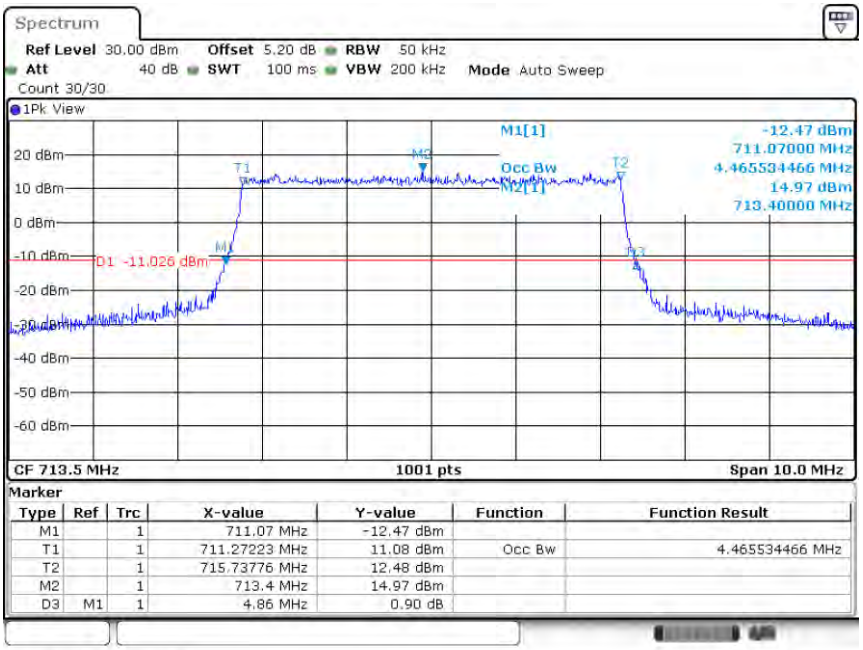
Band12-5MHz-QPSK-23155-25RB#0-4.466



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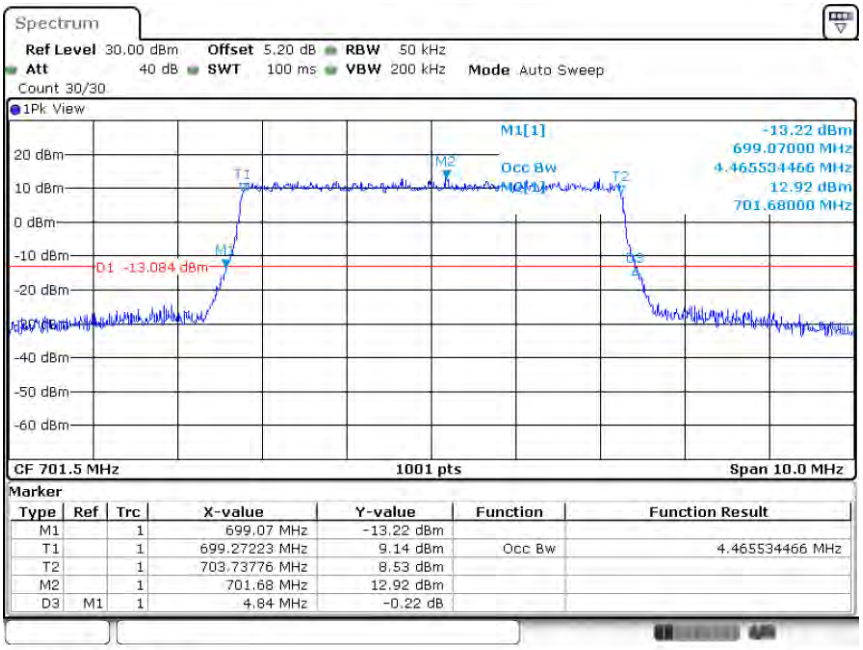
Band12-5MHz-64QAM-23035-25RB#0-4.466

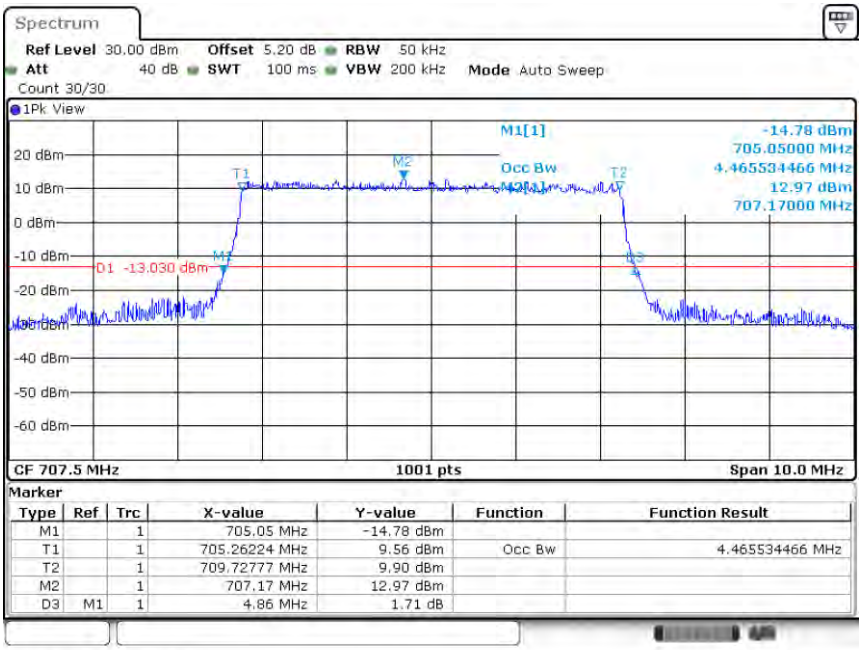


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	699.07 MHz	-13.22 dBm		
T1		1	699.27223 MHz	9.14 dBm	Occ Bw	4.465534466 MHz
T2		1	703.73776 MHz	8.53 dBm		
M2		1	701.68 MHz	12.92 dBm		
D3	M1	1	4.84 MHz	-0.22 dB		

Date: 14.APR.2021 03:10:24

Band12-5MHz-64QAM-23095-25RB#0-4.466



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	705.05 MHz	-14.78 dBm		
T1		1	705.26224 MHz	9.56 dBm	Occ Bw	4.465534466 MHz
T2		1	709.72777 MHz	9.90 dBm		
M2		1	707.17 MHz	12.97 dBm		
D3	M1	1	4.86 MHz	1.71 dB		

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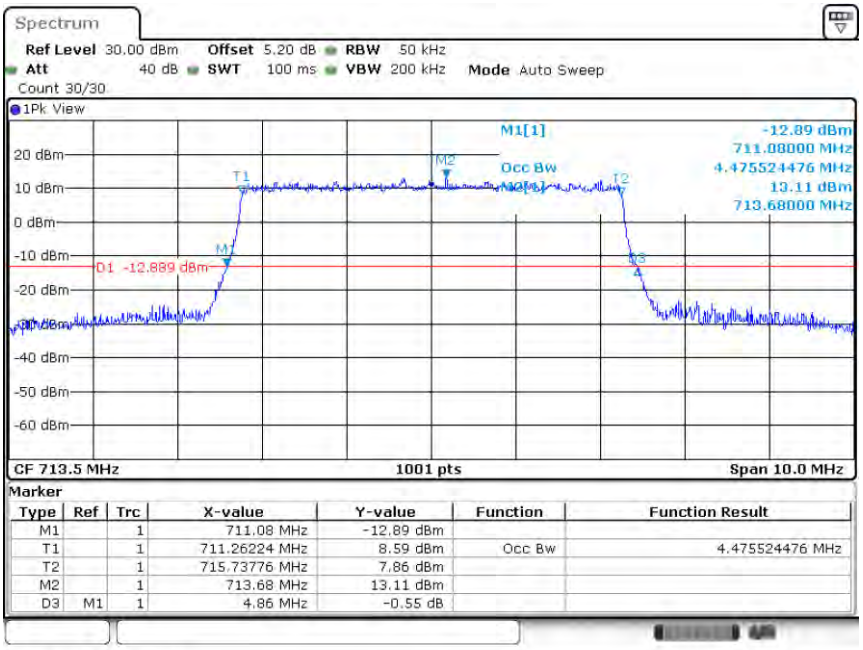
Band12-5MHz-64QAM-23155-25RB#0-4.476



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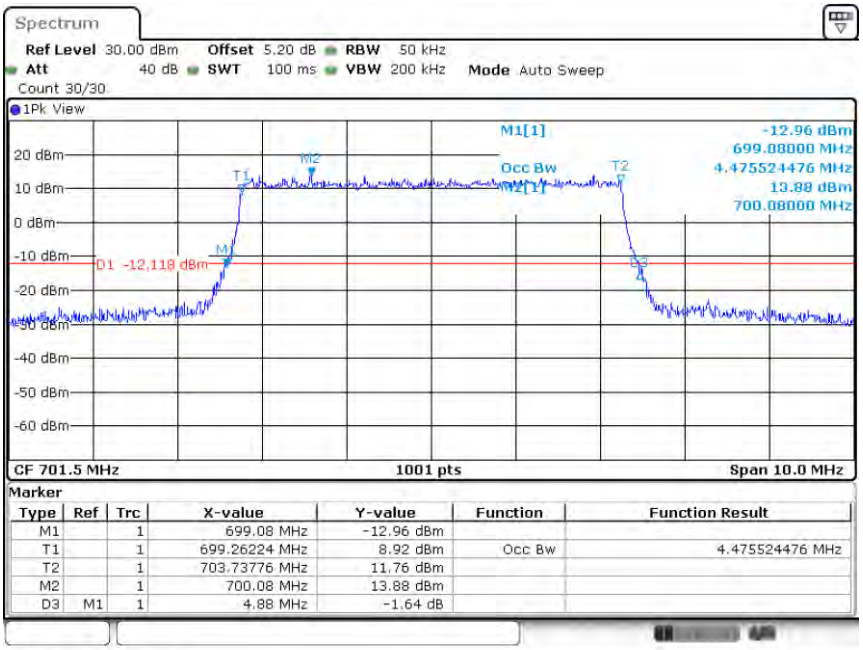
Band12-5MHz-16QAM-23035-25RB#0-4.476



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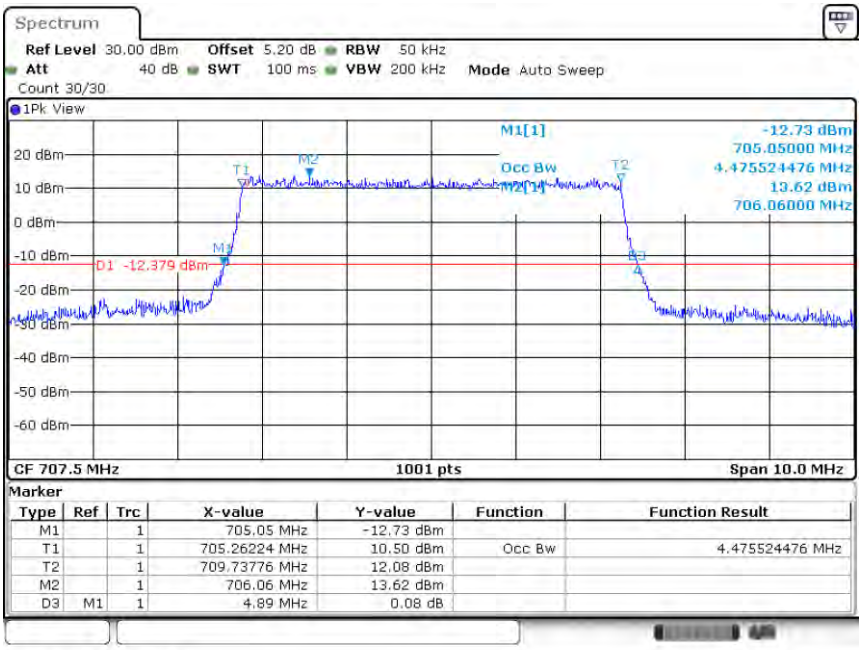
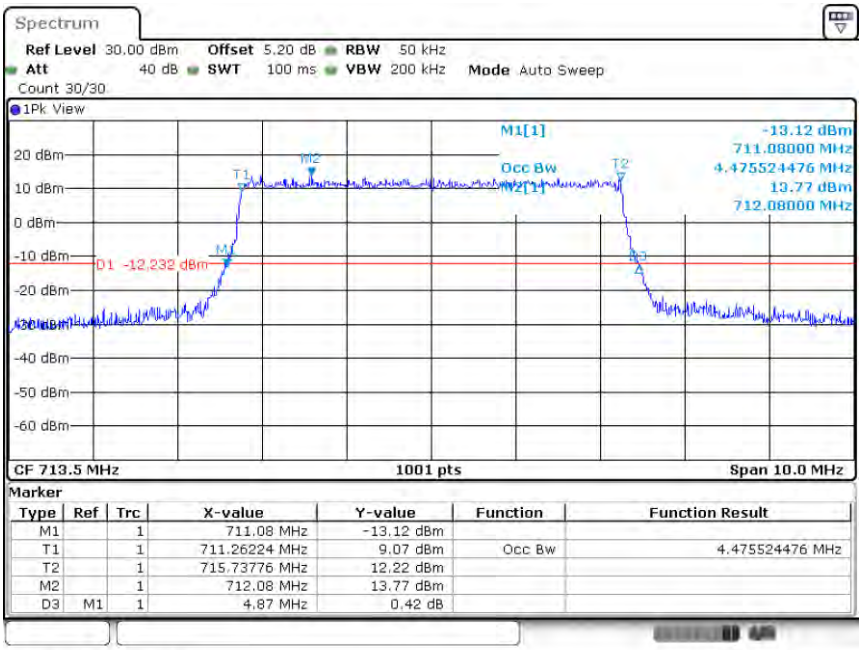


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	705.05 MHz	-12.73 dBm		
T1		1	705.26224 MHz	10.50 dBm	Occ Bw	4.475524476 MHz
T2		1	709.73776 MHz	12.08 dBm		
M2		1	706.06 MHz	13.62 dBm		
D3	M1	1	4.89 MHz	0.08 dB		

Date: 14.APR.2021 02:40:32

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



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	711.08 MHz	-13.12 dBm		
T1		1	711.26224 MHz	9.07 dBm	Occ Bw	4.475524476 MHz
T2		1	715.73776 MHz	12.22 dBm		
M2		1	712.08 MHz	13.77 dBm		
D3	M1	1	4.87 MHz	0.42 dB		

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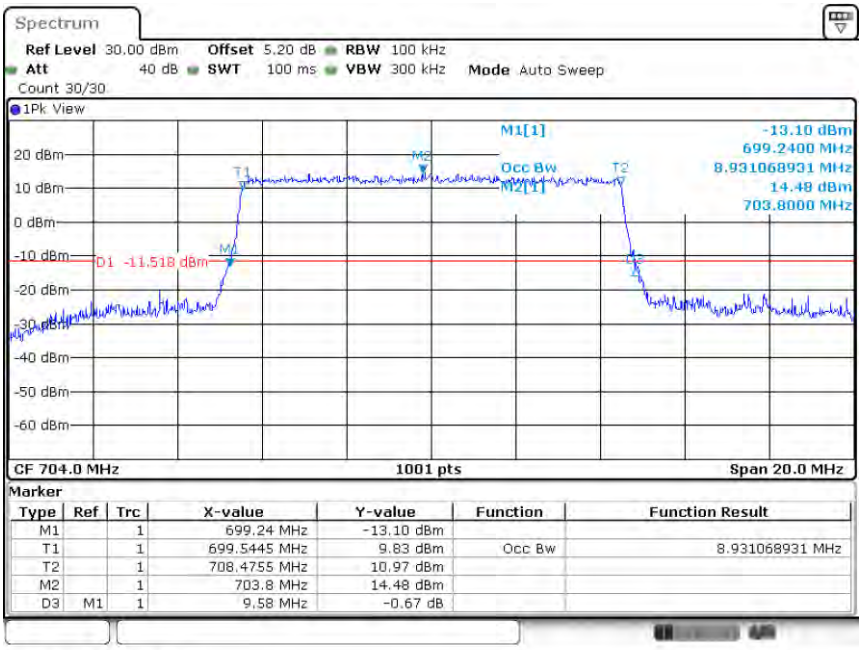
Band12-10MHz-QPSK-23060-50RB#0-8.931



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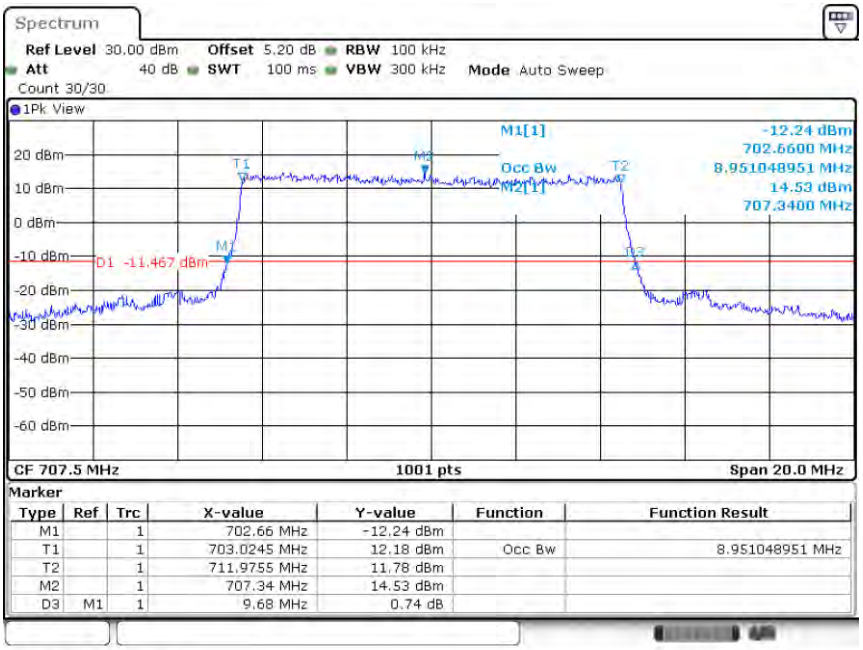
Band12-10MHz-QPSK-23095-50RB#0-8.951



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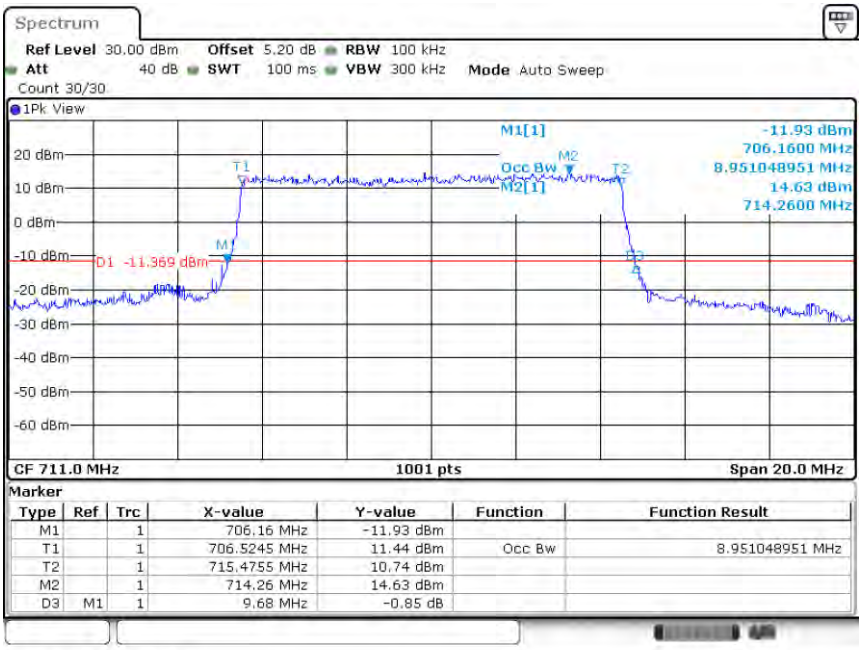
Band12-10MHz-QPSK-23130-50RB#0-8.951



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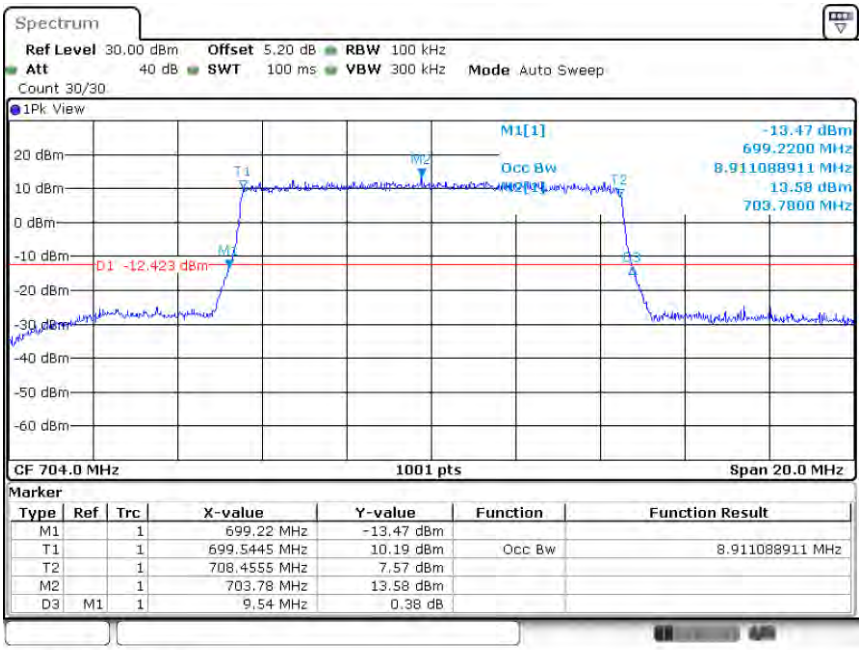
Band12-10MHz-64QAM-23060-50RB#0-8.911



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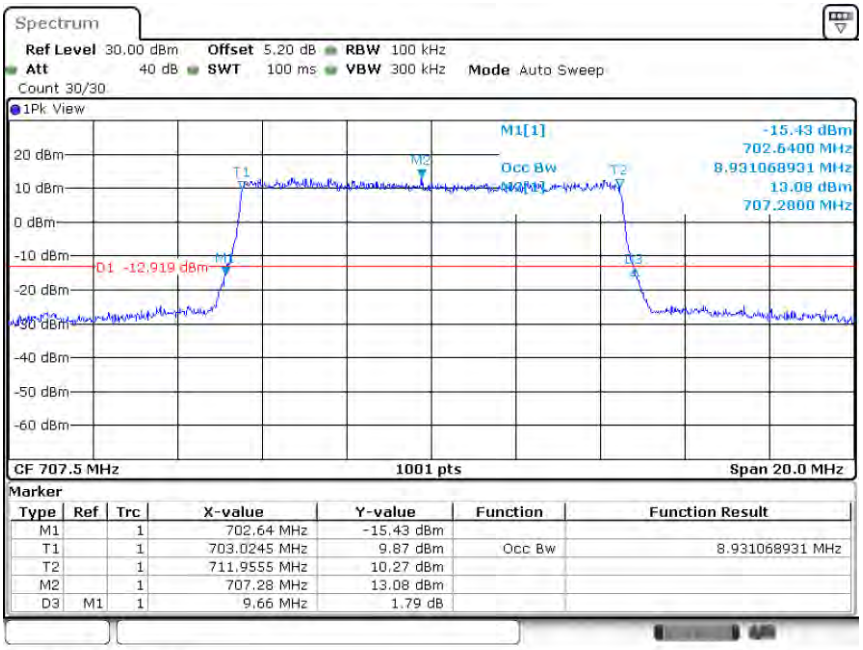
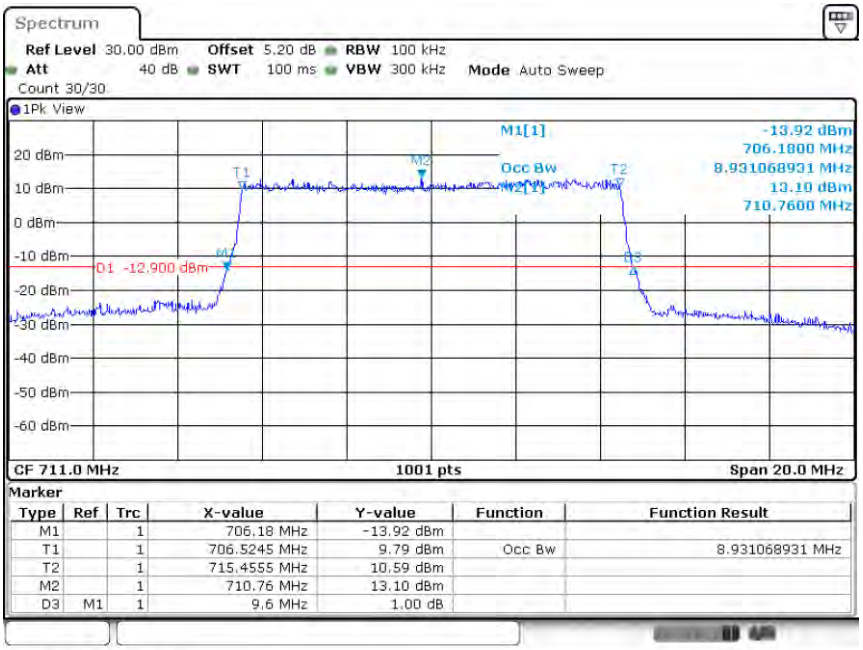
Band12-10MHz-64QAM-23095-50RB#0-8.931



Date: 14.APR.2021 03:11:23

Band12-10MHz-64QAM-23130-50RB#0-8.931



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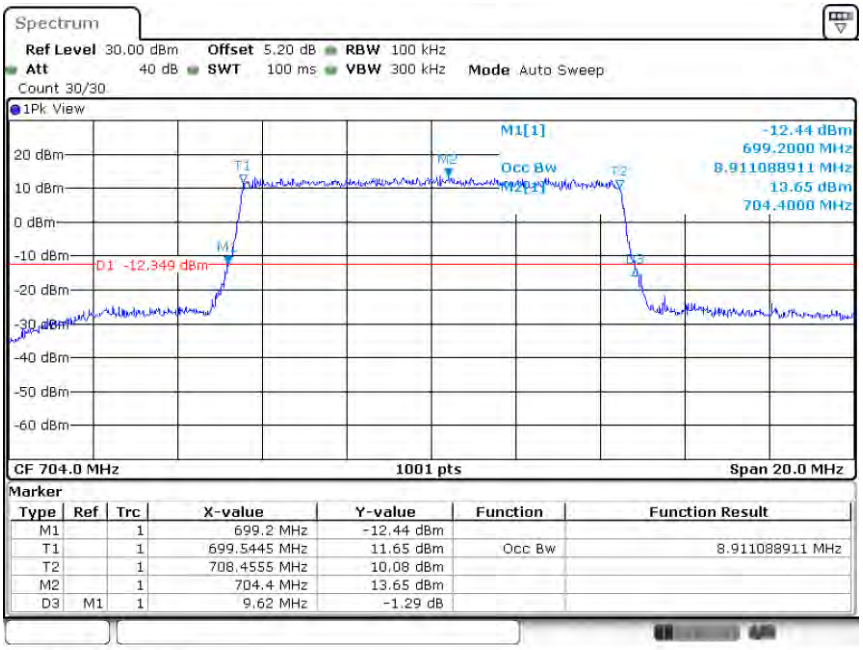
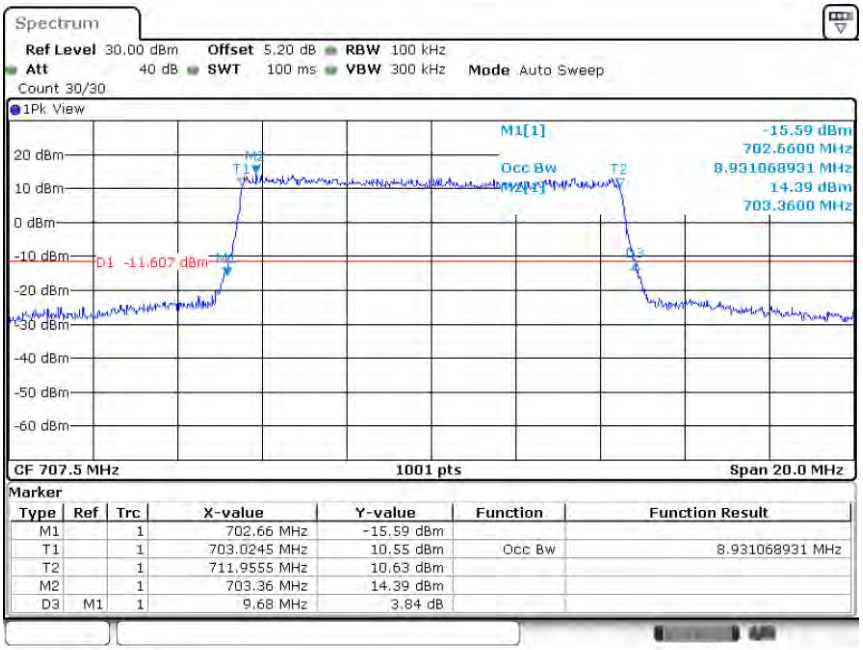
Band12-10MHz-16QAM-23060-50RB#0-8.911



Date: 14.APR.2021 02:41:28

Band12-10MHz-16QAM-23095-50RB#0-8.931



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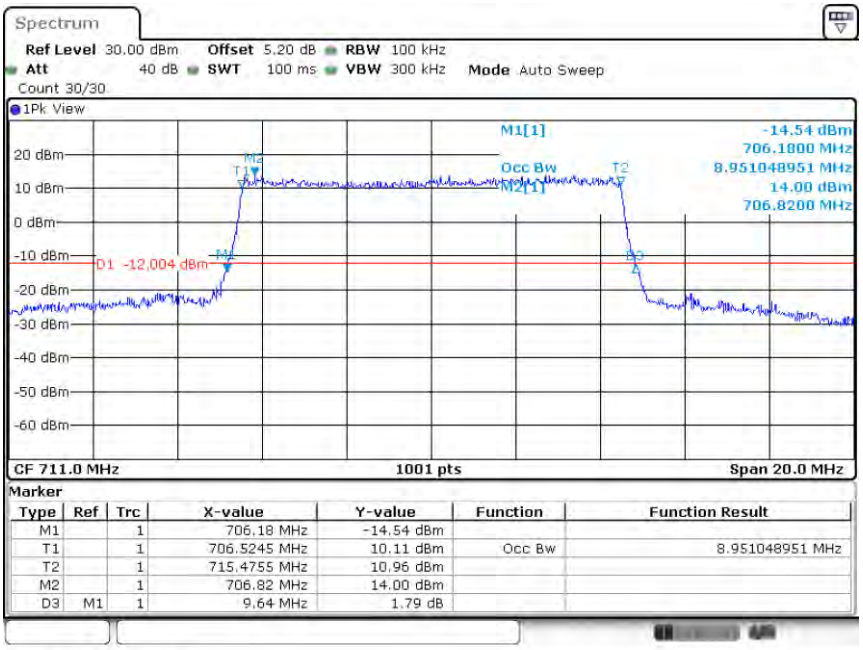
Band12-10MHz-16QAM-23130-50RB#0-8.951



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	706.18 MHz	-14.54 dBm		
T1		1	706.5245 MHz	10.11 dBm	Occ Bw	8.951048951 MHz
T2		1	715.4755 MHz	10.96 dBm		
M2		1	706.82 MHz	14.00 dBm		
D3	M1	1	9.64 MHz	1.79 dB		

Date: 14.APR.2021 02:42:20

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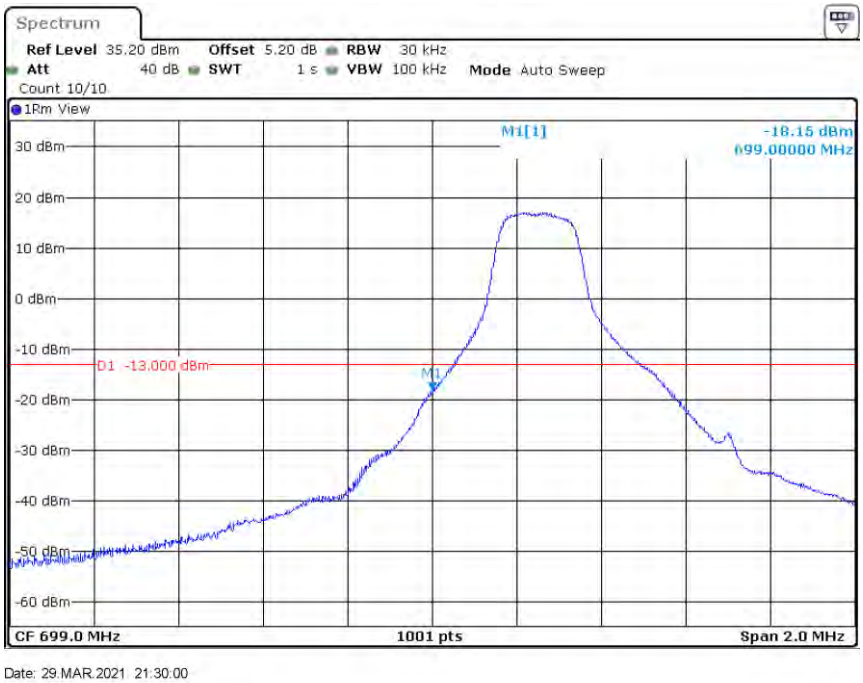
5. Band Edge Compliance

5.1. Test Plots

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



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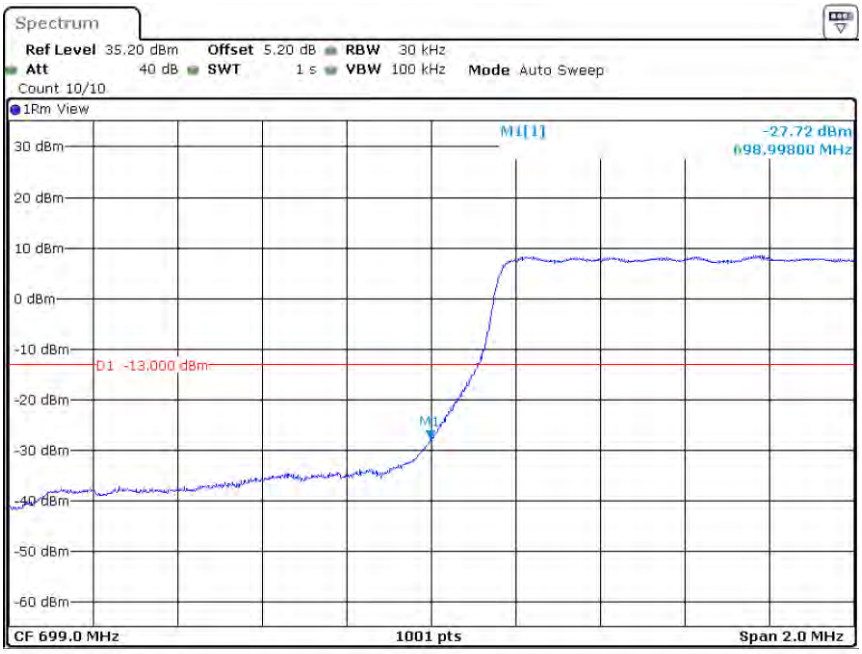
Band12-1.4MHz-QPSK-23017-6RB#0



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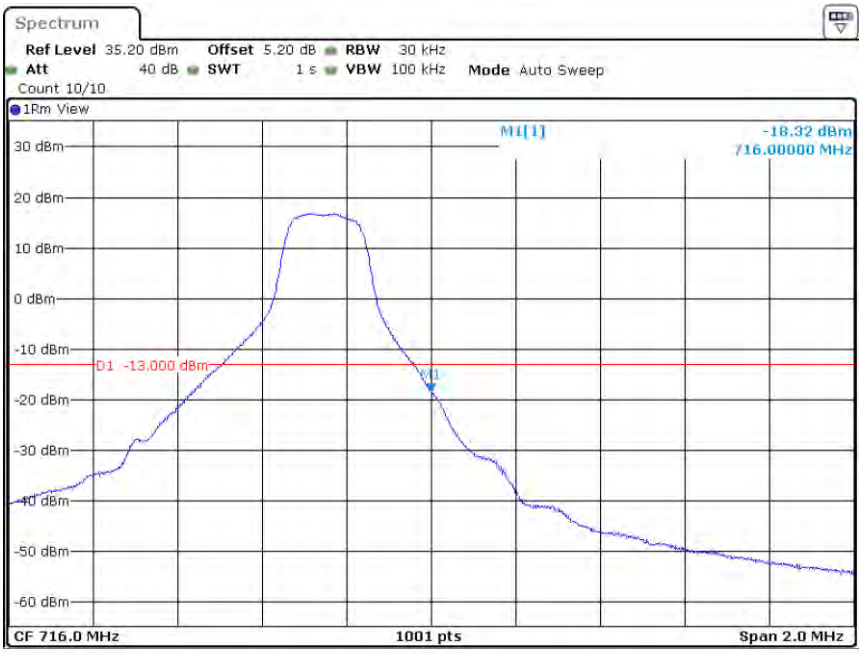
Band12-1.4MHz-QPSK-23173-1RB#5



Date: 29.MAR.2021 21:31:29

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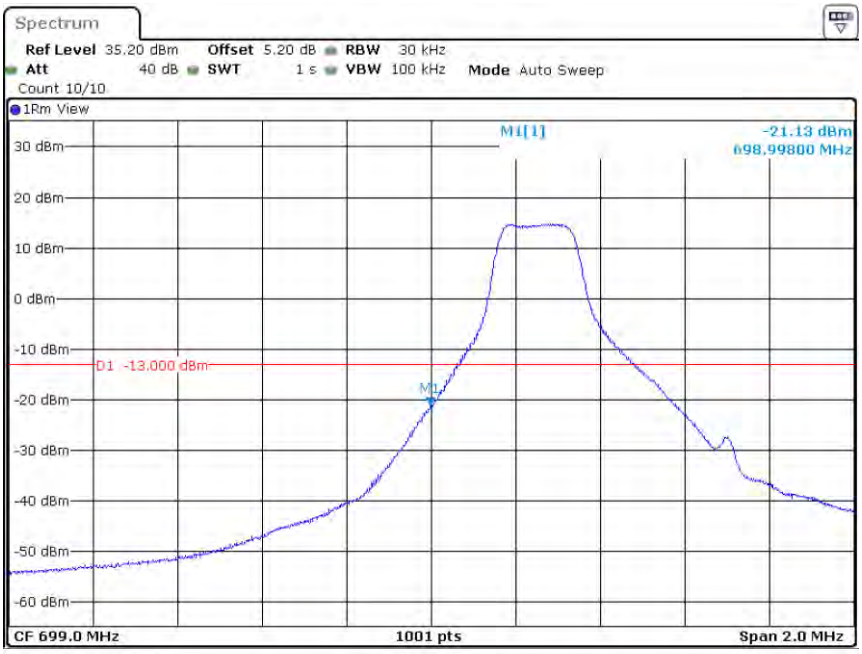
Band12-1.4MHz-QPSK-23173-6RB#0

Date: 29.MAR.2021 21:32:10

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



Date: 29.MAR.2021 21:54:04

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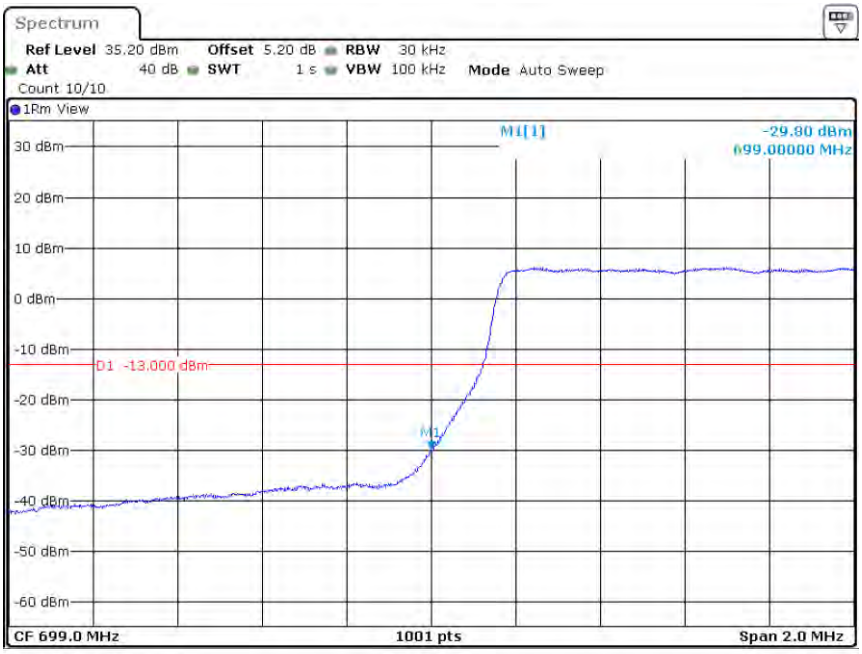
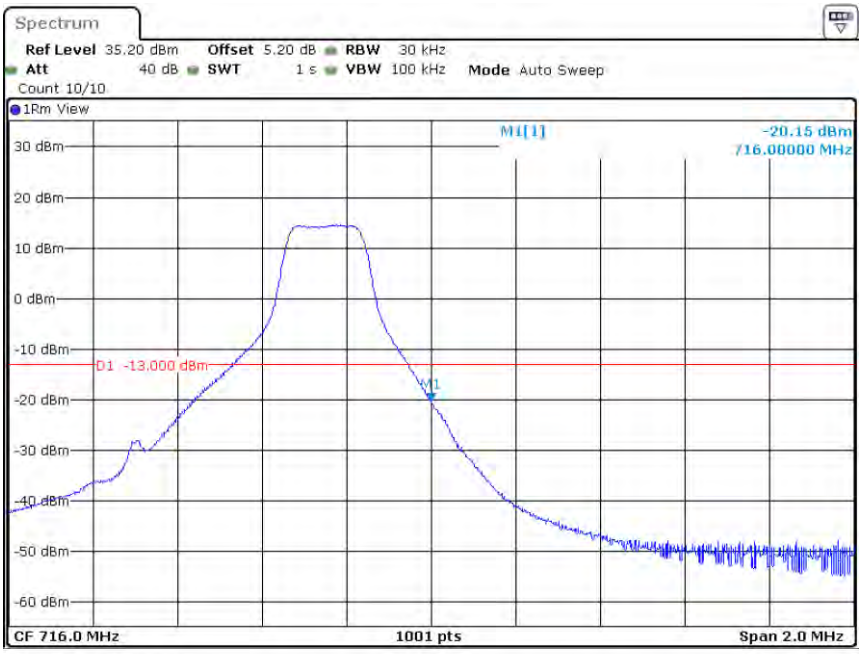
Band12-1.4MHz-64QAM-23017-6RB#0



Date: 29.MAR.2021 21:54:25

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



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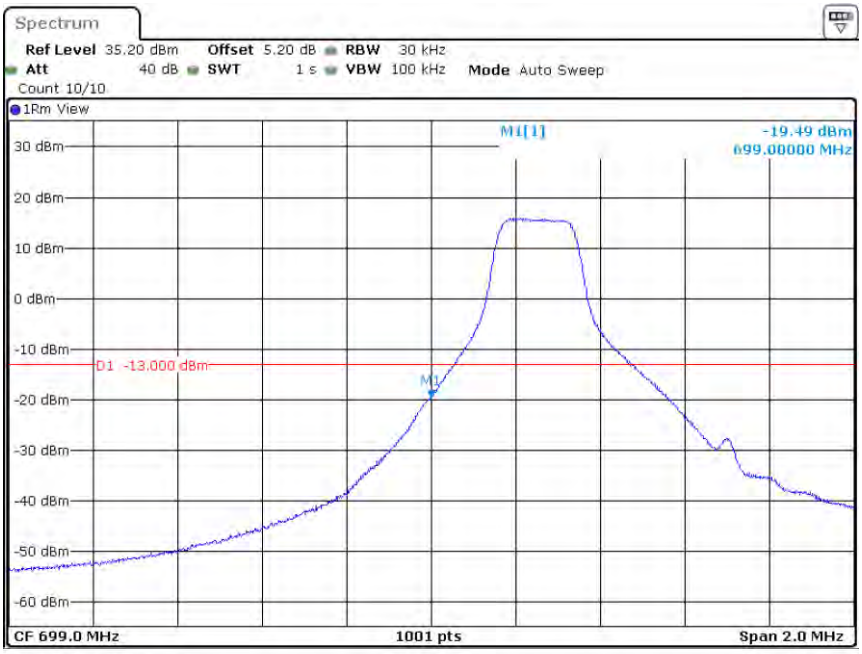
Band12-1.4MHz-64QAM-23173-6RB#0

Date: 29.MAR.2021 21:55:12

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



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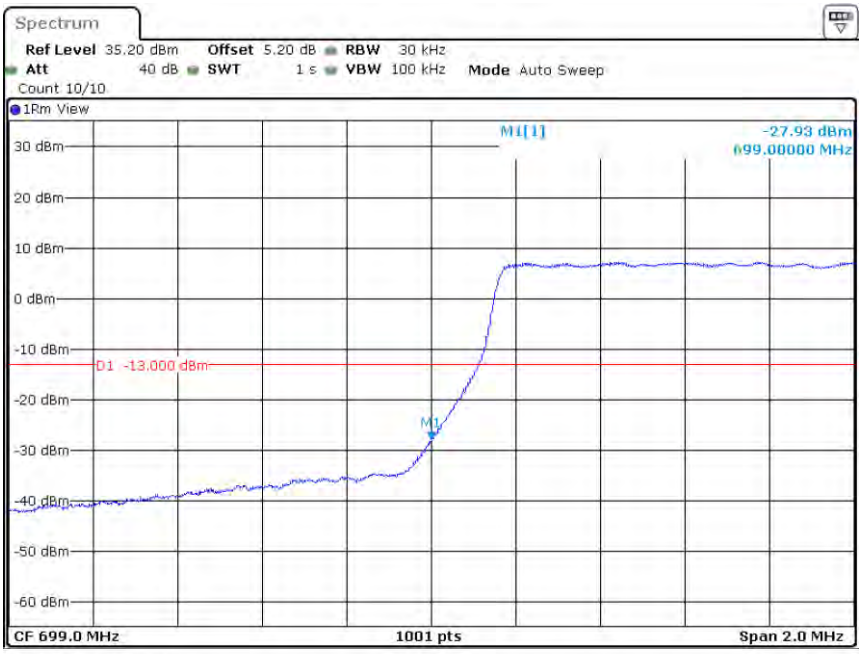
Band12-1.4MHz-16QAM-23017-6RB#0



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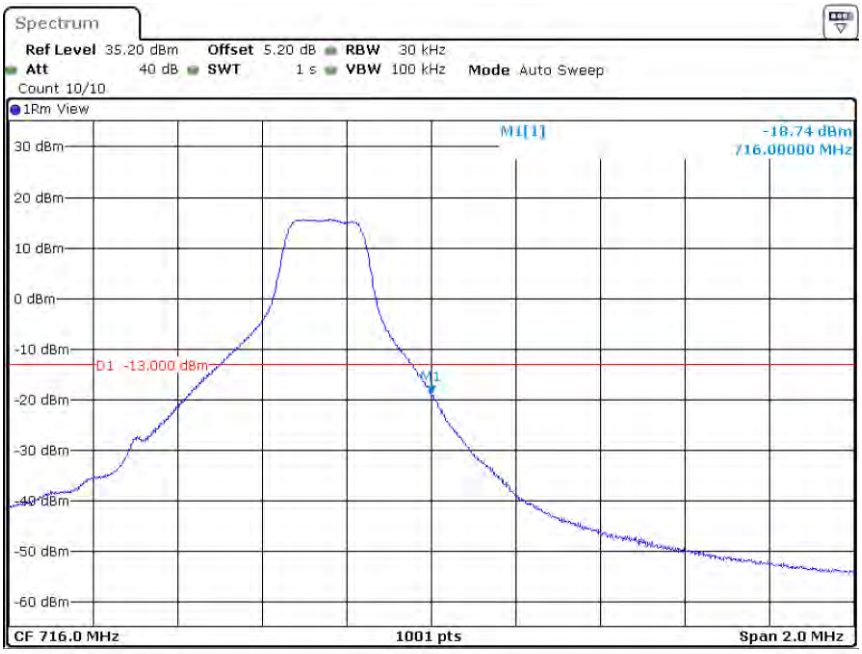

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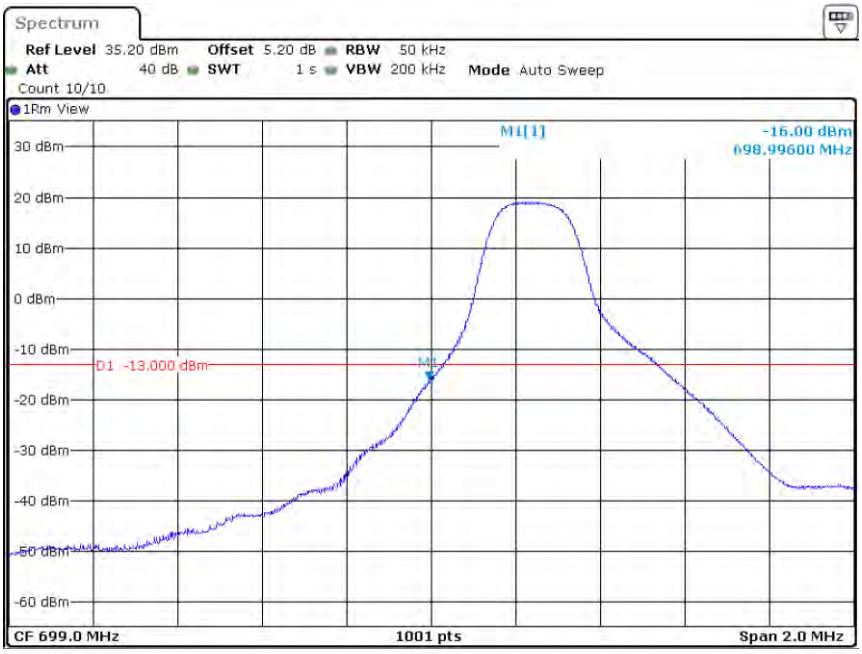
Band12-1.4MHz-16QAM-23173-6RB#0

Date: 29.MAR.2021 21:32:31

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



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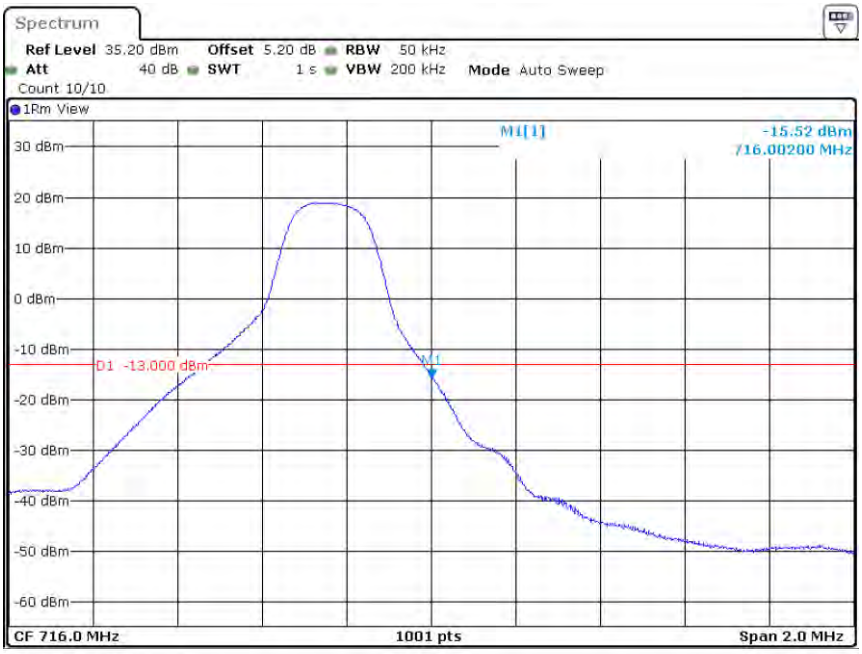
Band12-3MHz-QPSK-23025-15RB#0

Date: 29.MAR.2021 21:33:39

Band12-3MHz-QPSK-23165-1RB#14



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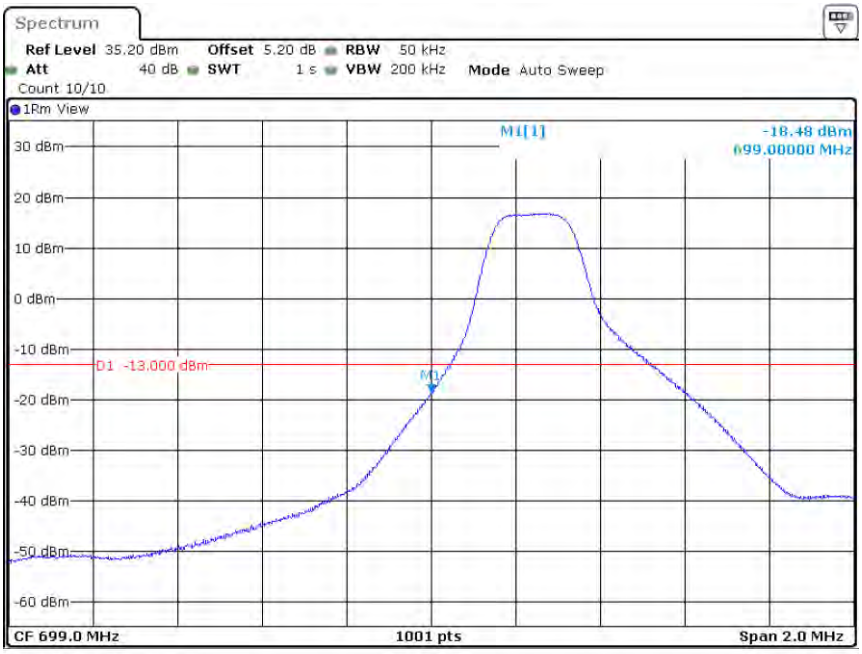
Band12-3MHz-QPSK-23165-15RB#0

Date: 29.MAR.2021 21:35:06

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



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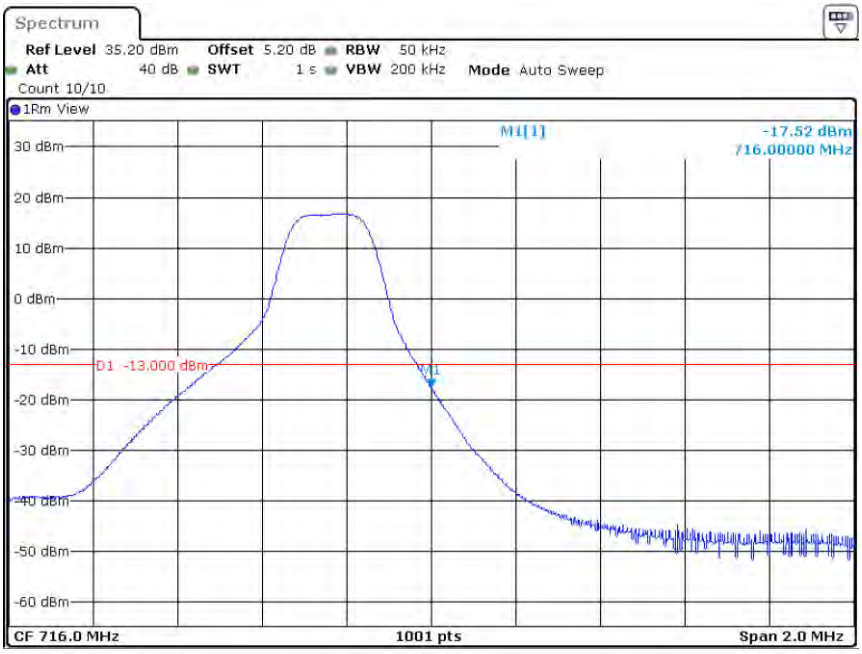
Band12-3MHz-64QAM-23025-15RB#0

Date: 29.MAR.2021 21:56:00

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



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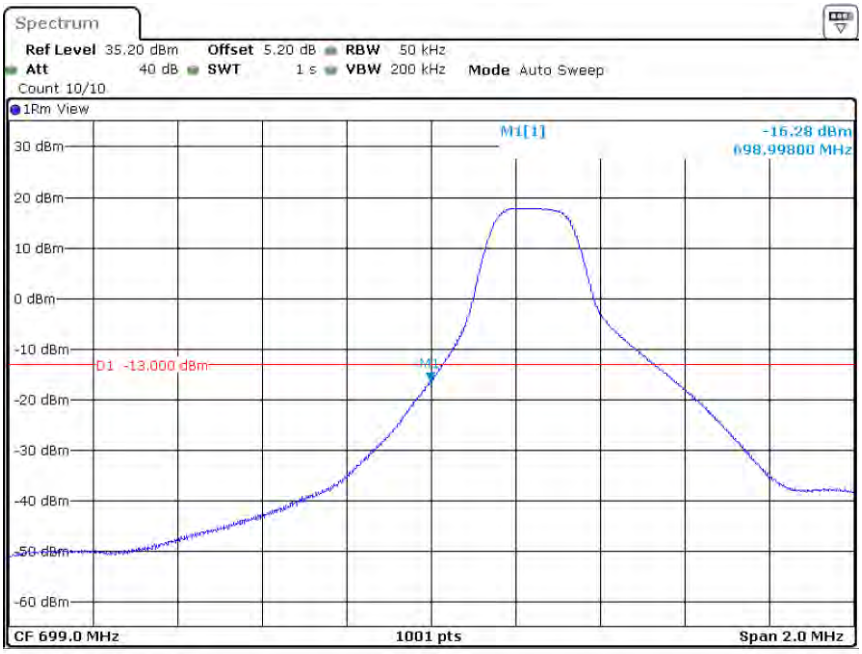
Band12-3MHz-64QAM-23165-15RB#0

Date: 29.MAR.2021 21:56:47

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



Date: 29.MAR.2021 21:33:19

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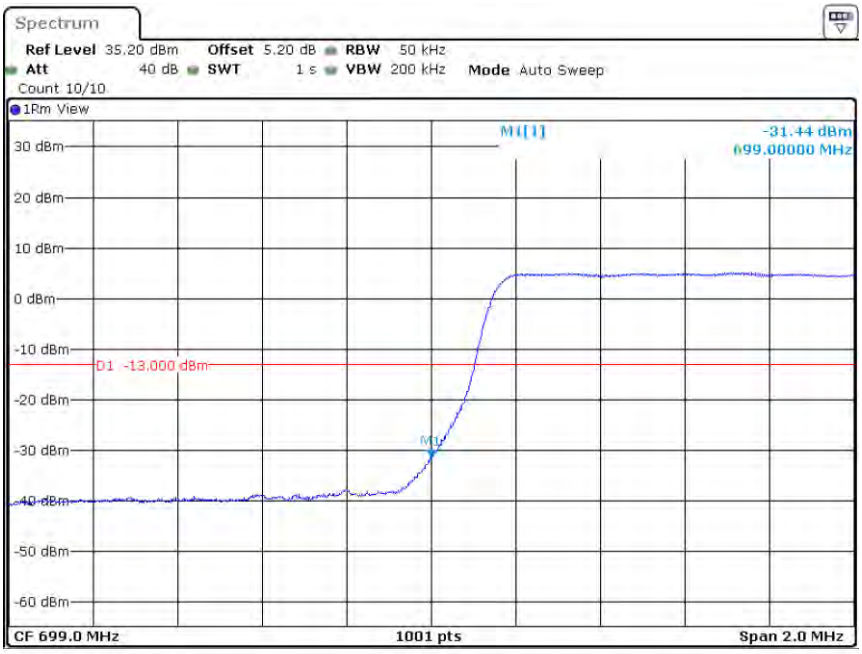
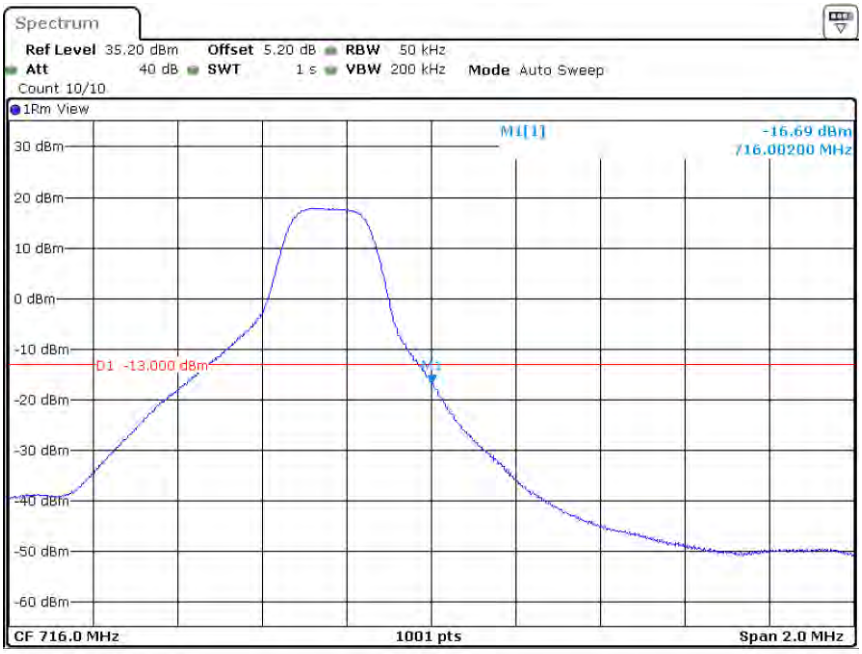
Band12-3MHz-16QAM-23025-15RB#0



Date: 29.MAR.2021 21:34:00

Band12-3MHz-16QAM-23165-1RB#14



Date: 29.MAR.2021 21:34:46

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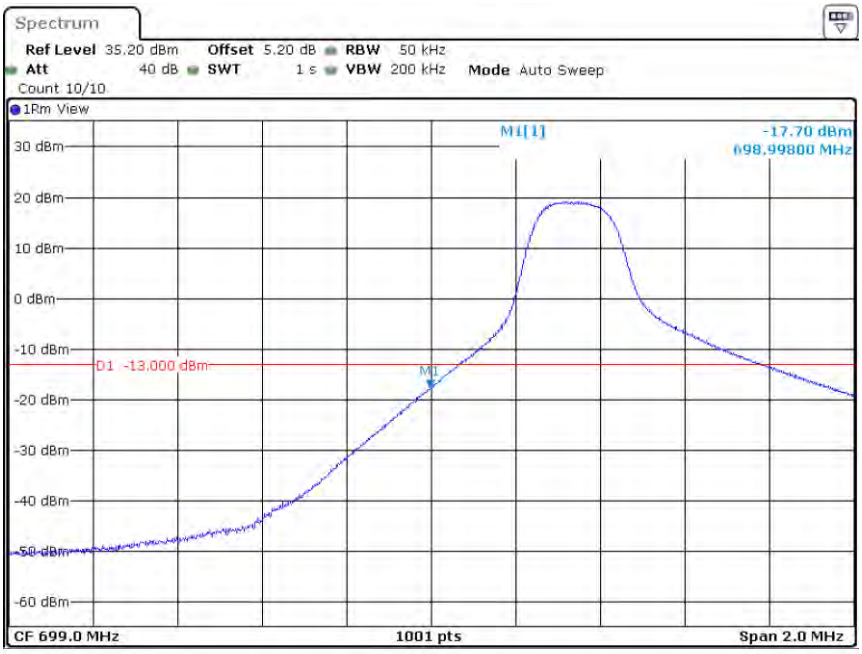
Band12-3MHz-16QAM-23165-15RB#0

Date: 29.MAR.2021 21:35:27

Band12-5MHz-QPSK-23035-1RB#0



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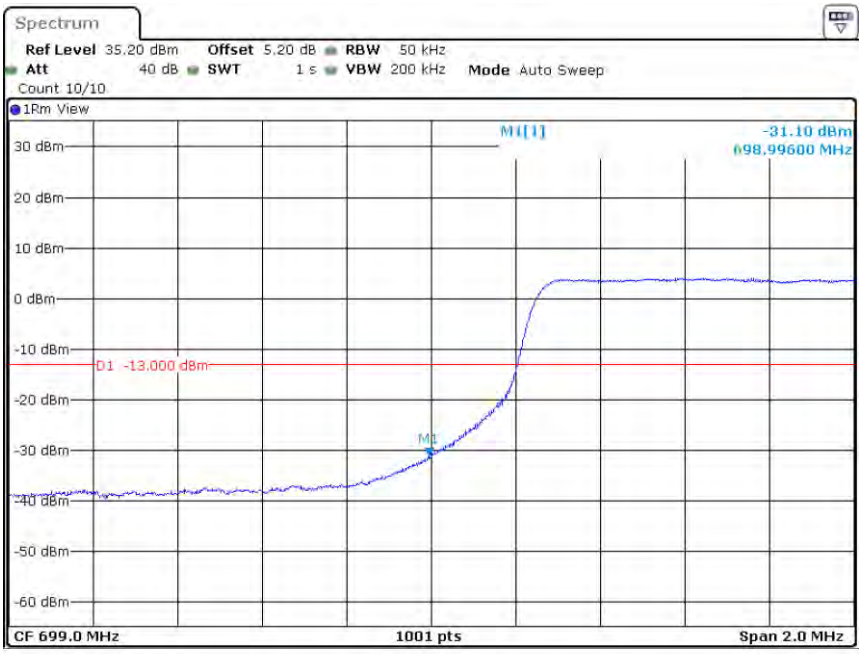
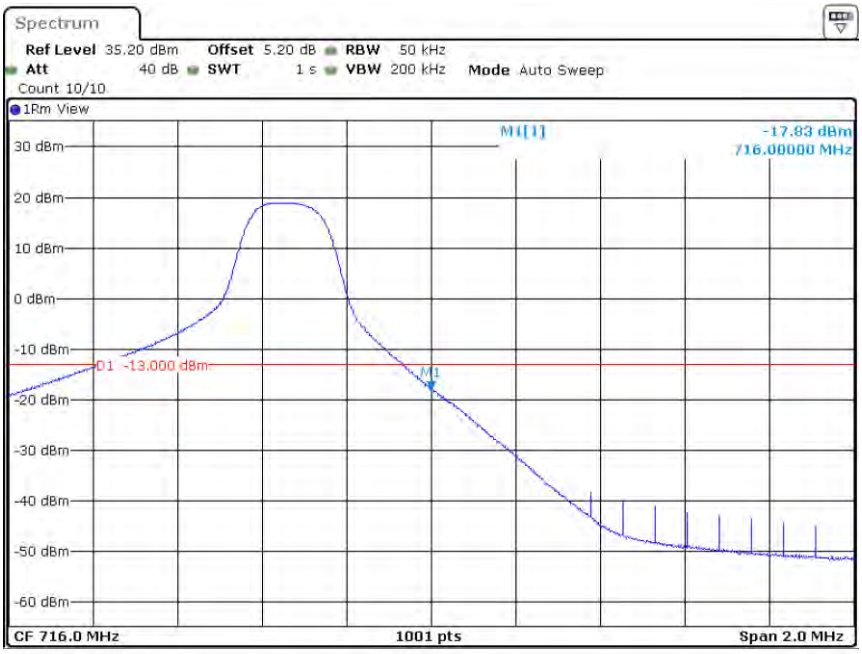
Band12-5MHz-QPSK-23035-25RB#0



Date: 29.MAR.2021 21:36:35

Band12-5MHz-QPSK-23155-1RB#24



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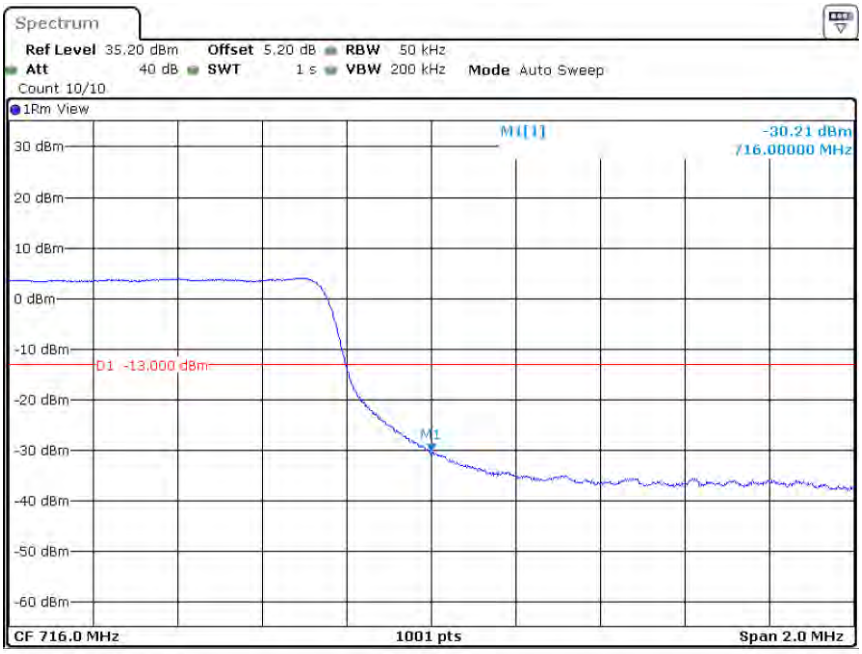
Band12-5MHz-QPSK-23155-25RB#0



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

Date: 29.MAR.2021 21:57:15

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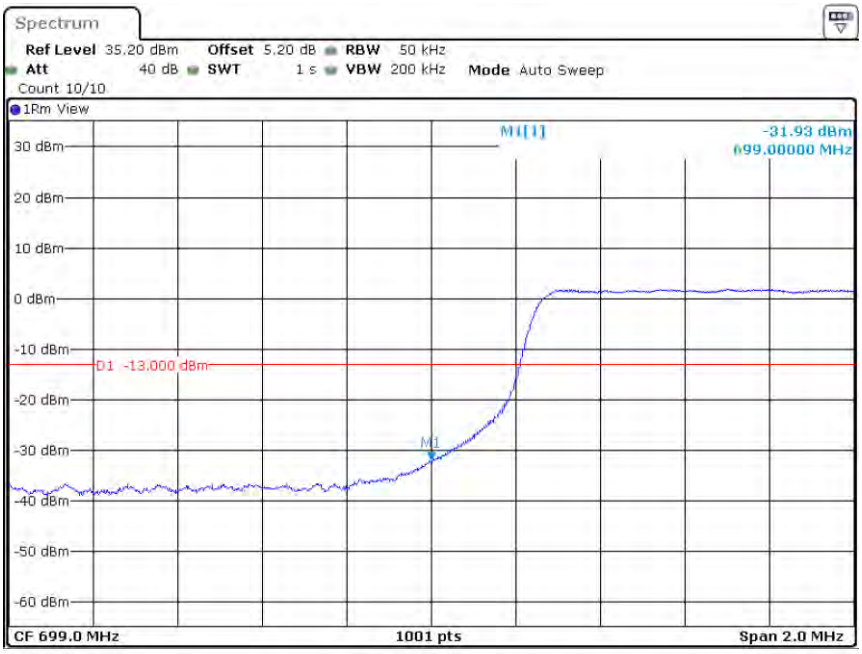
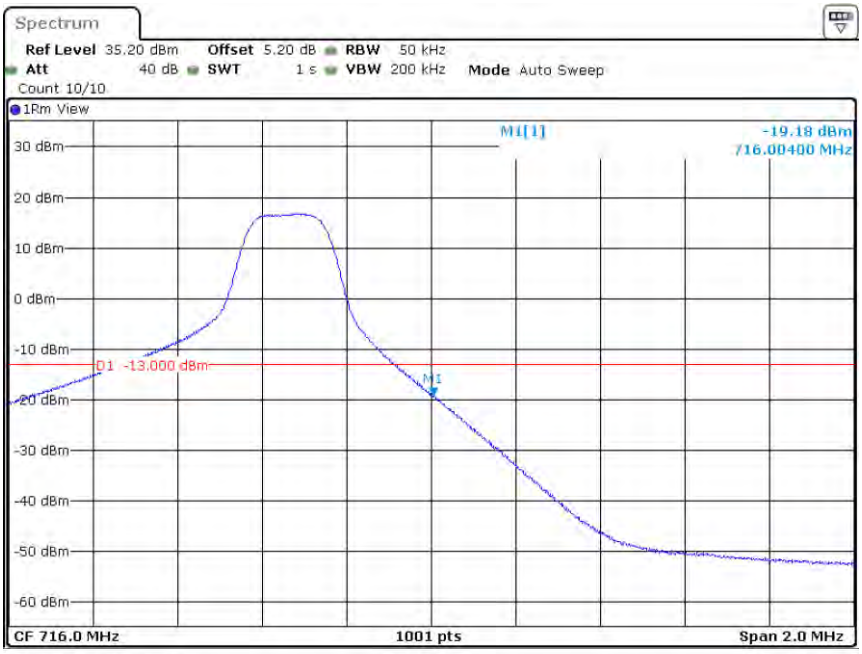
Band12-5MHz-64QAM-23035-25RB#0



Date: 29.MAR.2021 21:57:36

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



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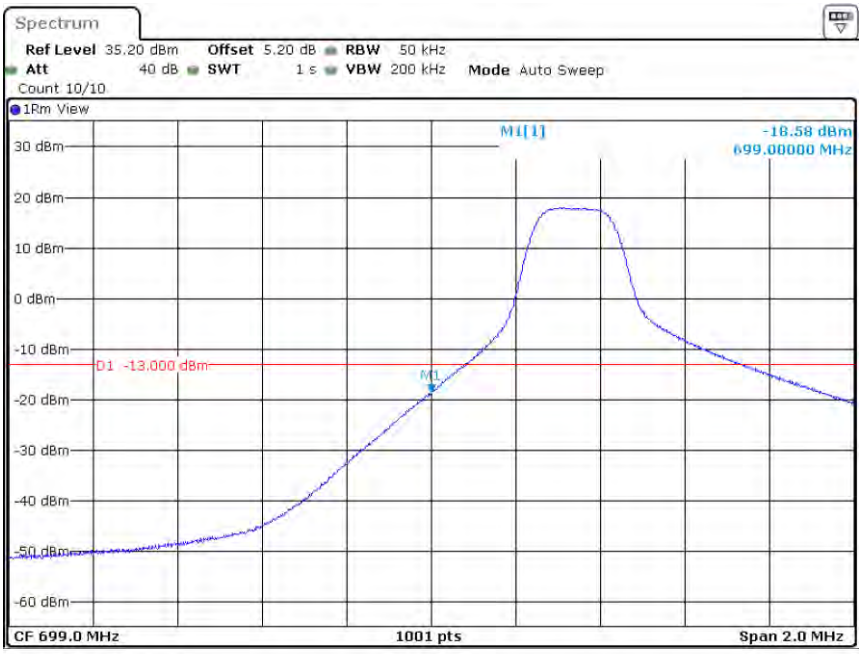
Band12-5MHz-64QAM-23155-25RB#0

Date: 29.MAR.2021 21:58:23

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



Date: 29.MAR.2021 21:36:15

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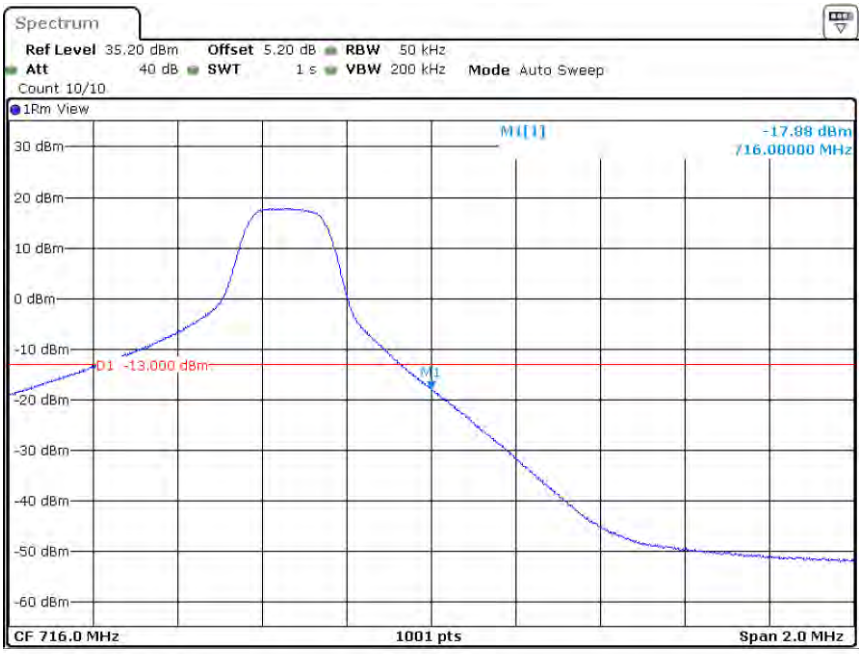
Date: 29.MAR.2021 21:36:56

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



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

Date: 29.MAR.2021 21:38:24

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

Date: 29.MAR.2021 21:38:51

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

Date: 29.MAR.2021 21:39:32

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

Date: 29.MAR.2021 21:40:18

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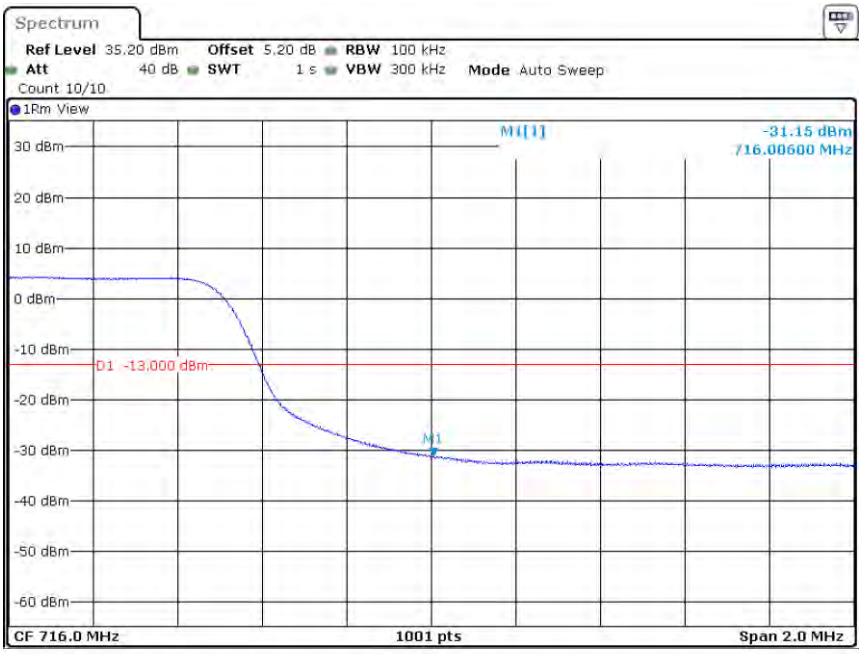
Band12-10MHz-QPSK-23130-50RB#0



Date: 29.MAR.2021 21:41:00

Band12-10MHz-64QAM-23060-1RB#0

Date: 29.MAR.2021 21:58:51

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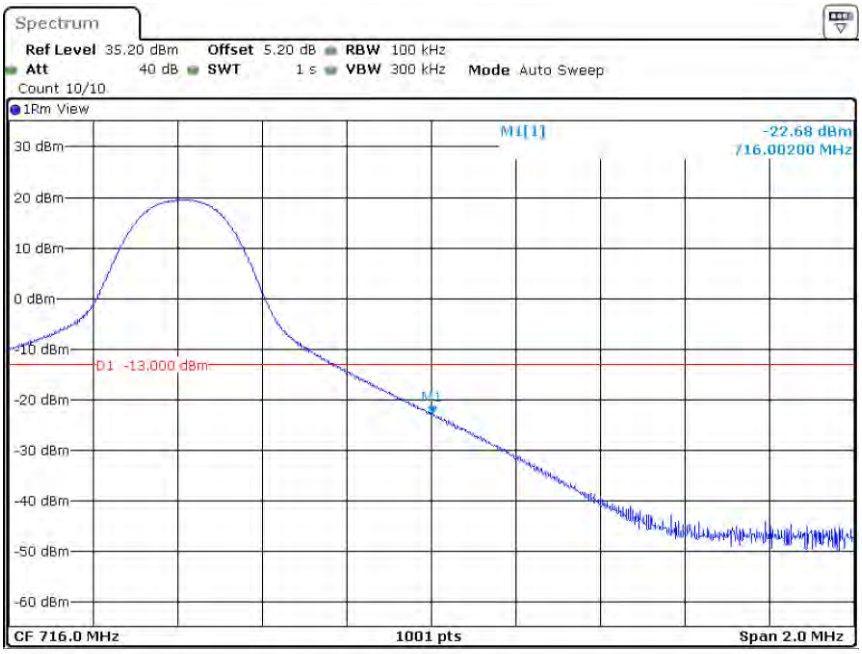
Band12-10MHz-64QAM-23060-50RB#0

Date: 29.MAR.2021 21:59:12

Band12-10MHz-64QAM-23130-1RB#49



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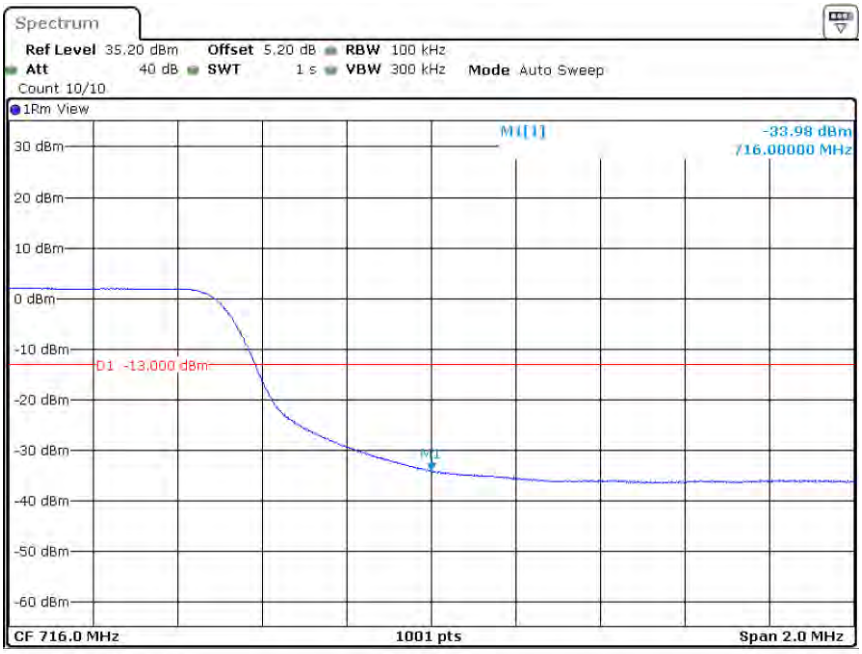
Band12-10MHz-64QAM-23130-50RB#0



Date: 29.MAR.2021 21:59:58

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

Date: 29.MAR.2021 21:39:12

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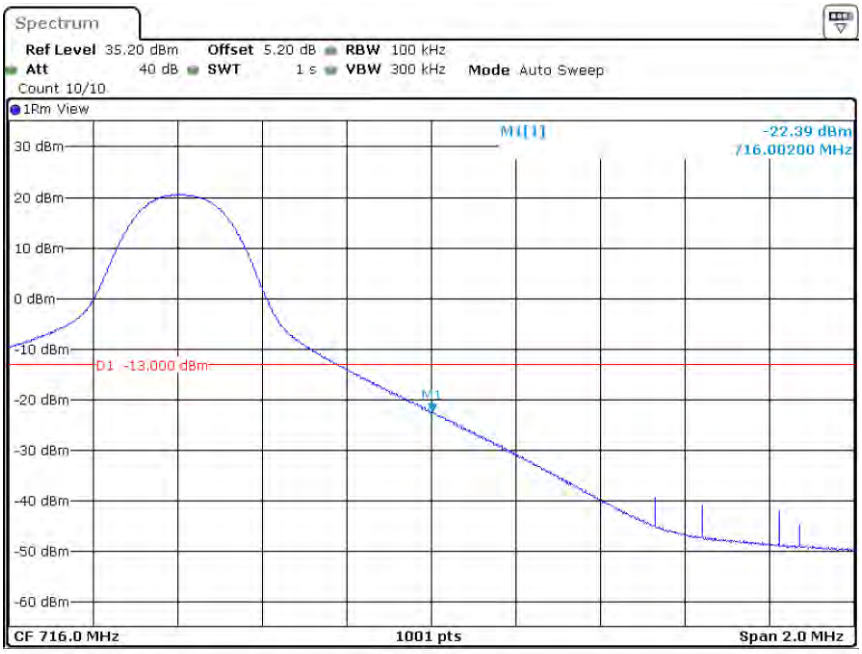
Band12-10MHz-16QAM-23060-50RB#0

Date: 29.MAR.2021 21:39:53

Band12-10MHz-16QAM-23130-1RB#49



Date: 29.MAR.2021 21:40:39

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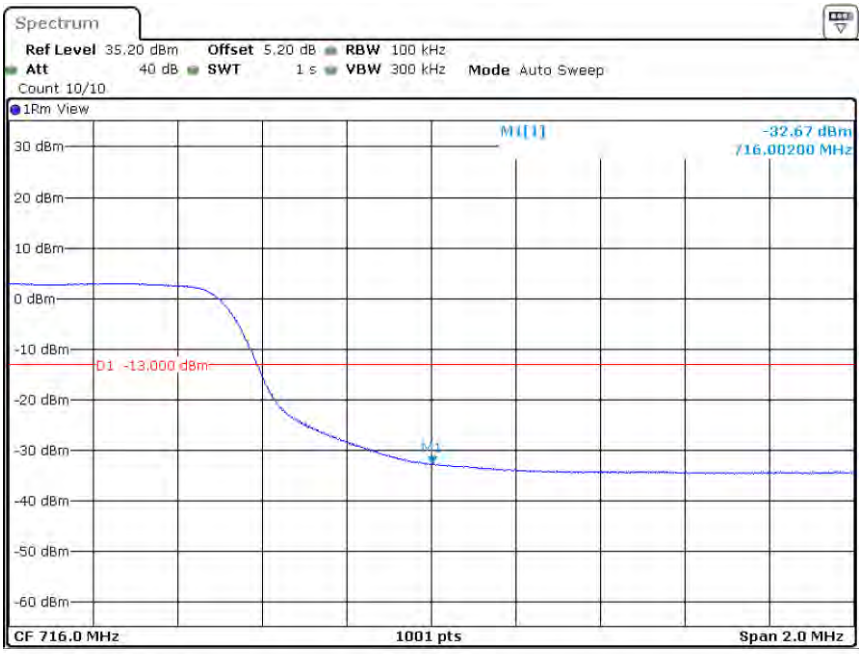
Band12-10MHz-16QAM-23130-50RB#0



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6. Spurious Emission at Antenna Terminal

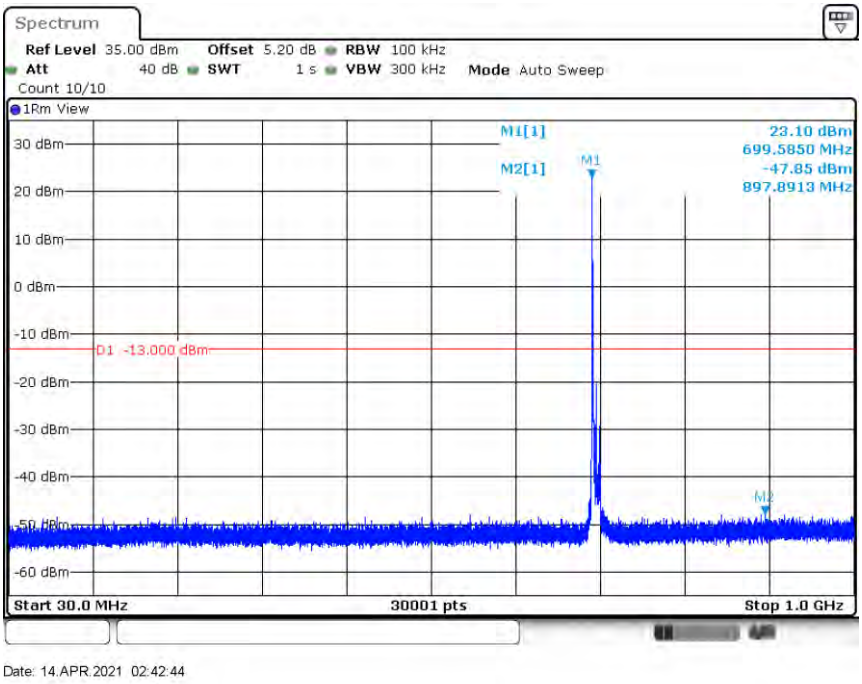
Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of < RBW/2 so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = k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

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

Remark3: The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data had been displayed.

6.1. Test Plots

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



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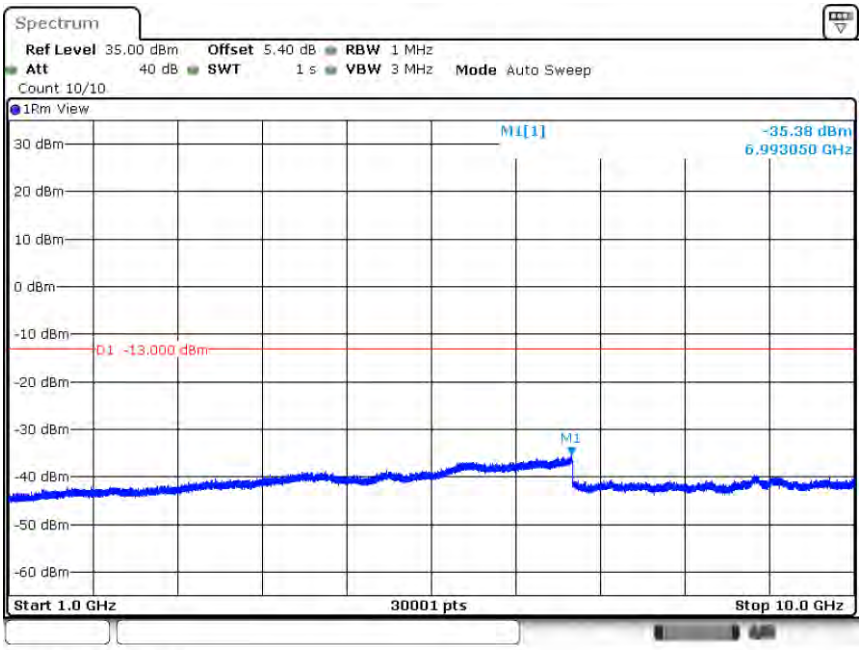
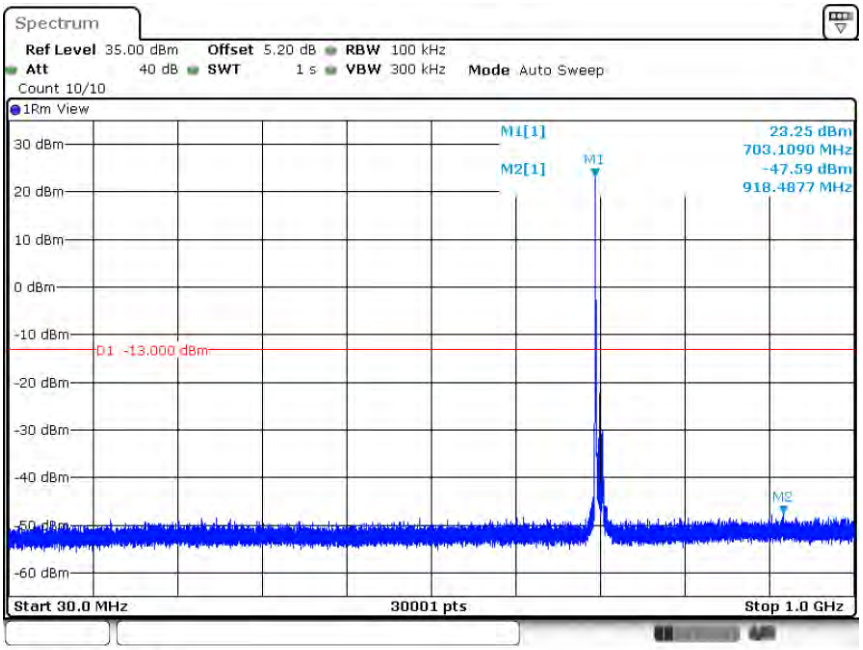
Band12-10MHz-QPSK-23060-1RB#0-Range2:1000~10000MHz



Date: 14.APR.2021 02:43:00

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



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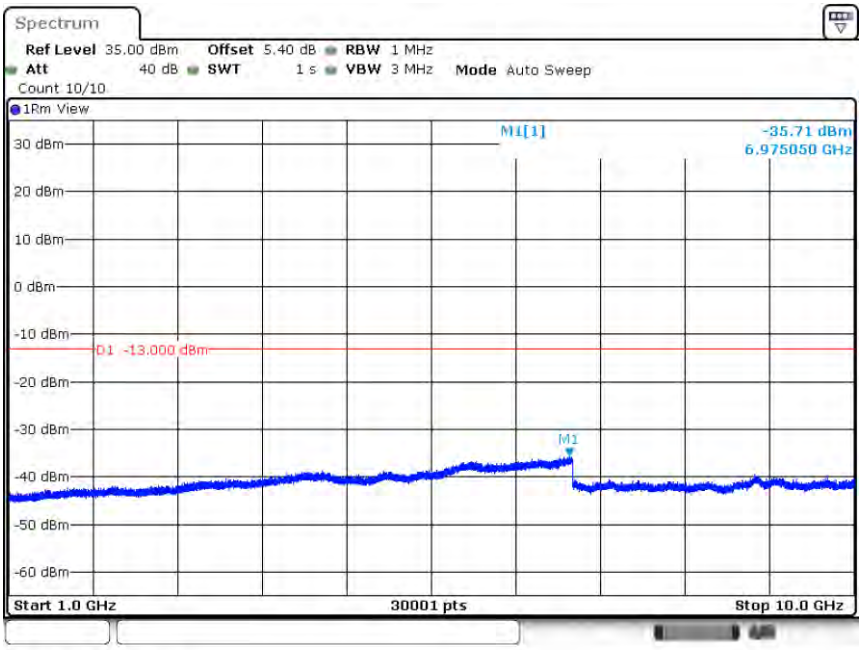
Band12-10MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz



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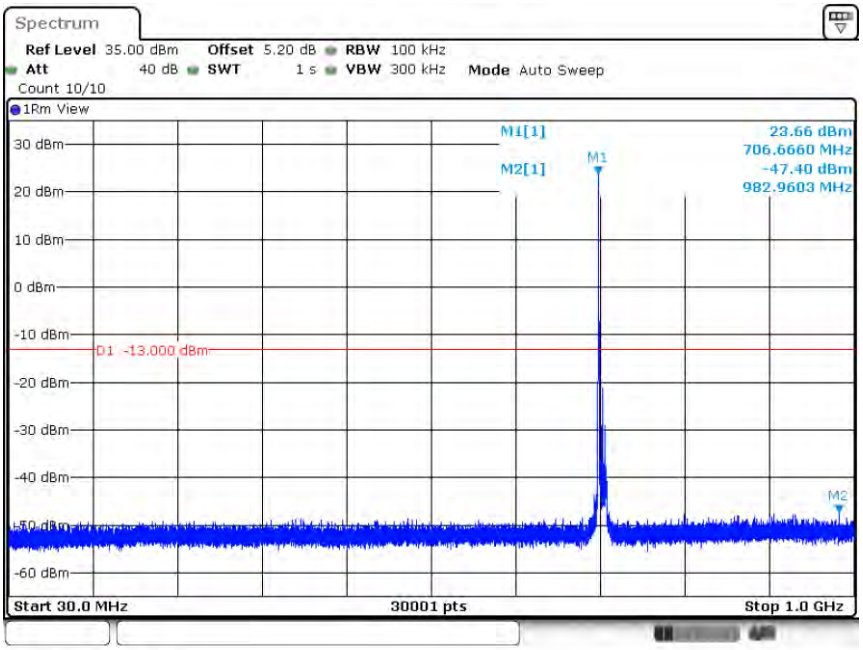
Band12-10MHz-QPSK-23130-1RB#0-Range1:30~1000MHz



Date: 14.APR.2021 02:45:06

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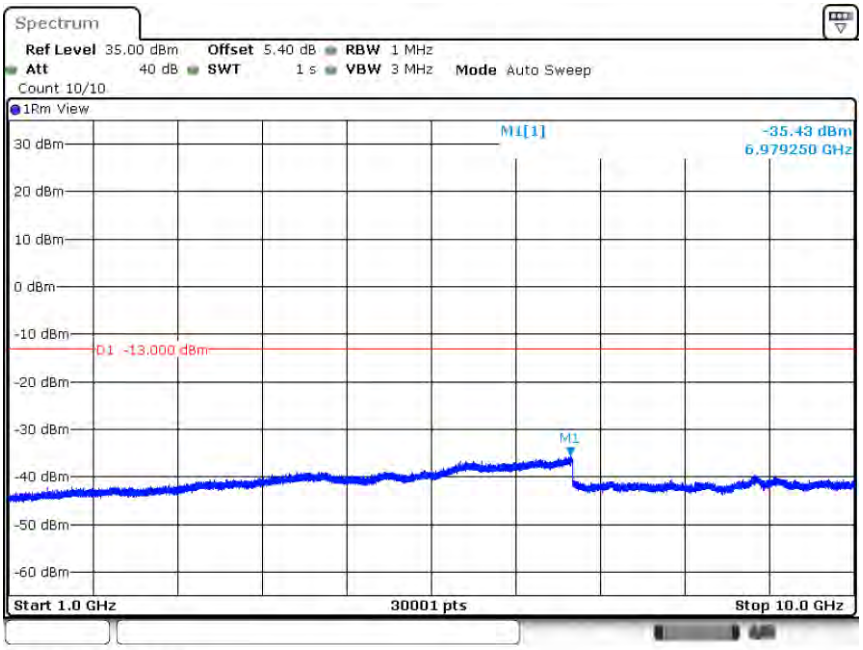
Band12-10MHz-QPSK-23130-1RB#0-Range2:1000~10000MHz



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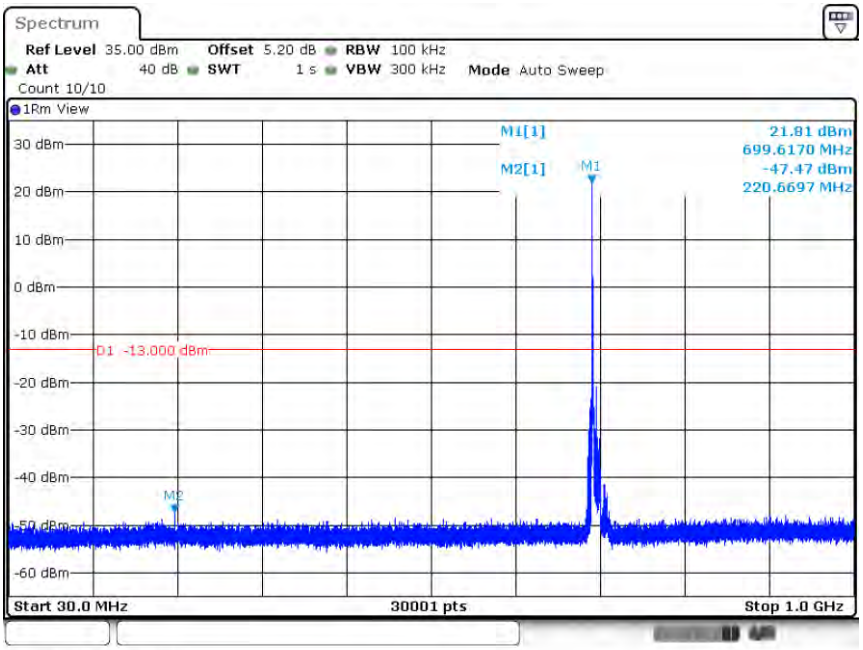
Band12-10MHz-64QAM-23060-1RB#0-Range1:30~1000MHz



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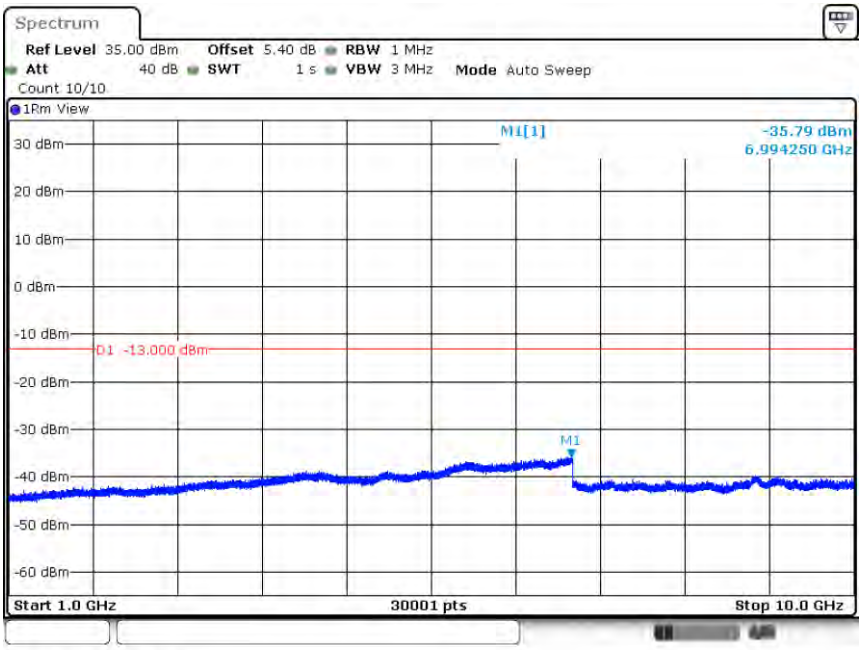
Band12-10MHz-64QAM-23060-1RB#0-Range2:1000~10000MHz



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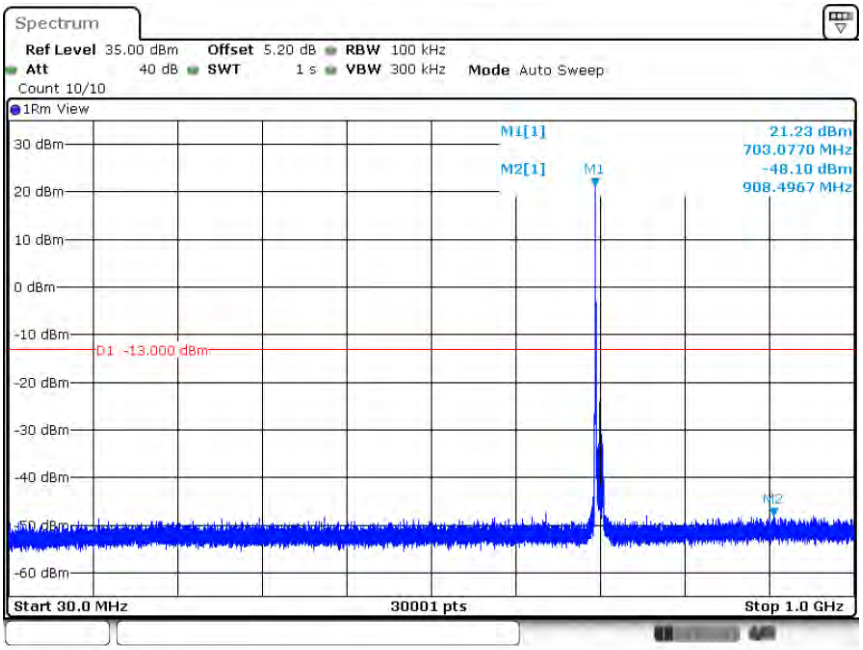
Band12-10MHz-64QAM-23095-1RB#0-Range1:30~1000MHz



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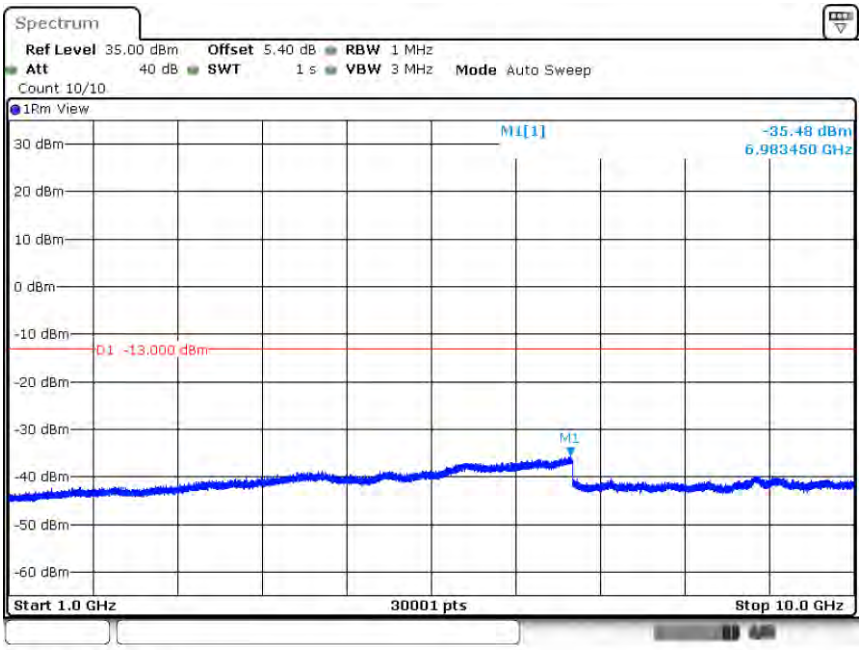
Band12-10MHz-64QAM-23095-1RB#0-Range2:1000~10000MHz



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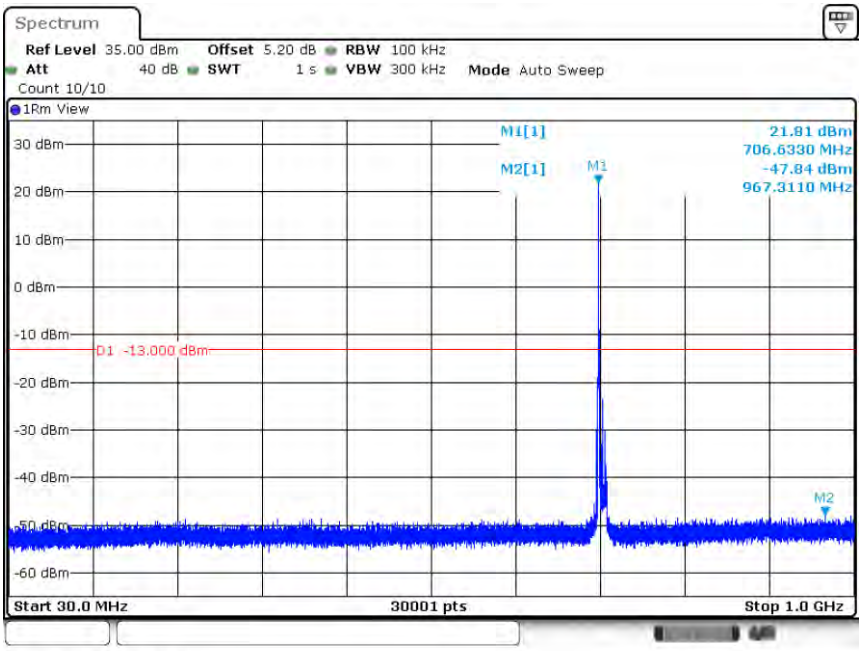

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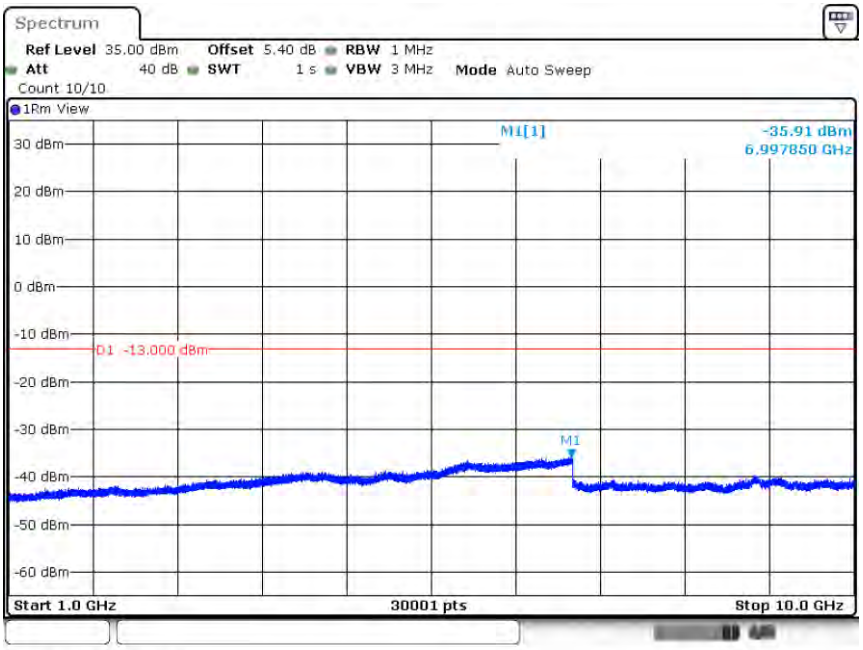

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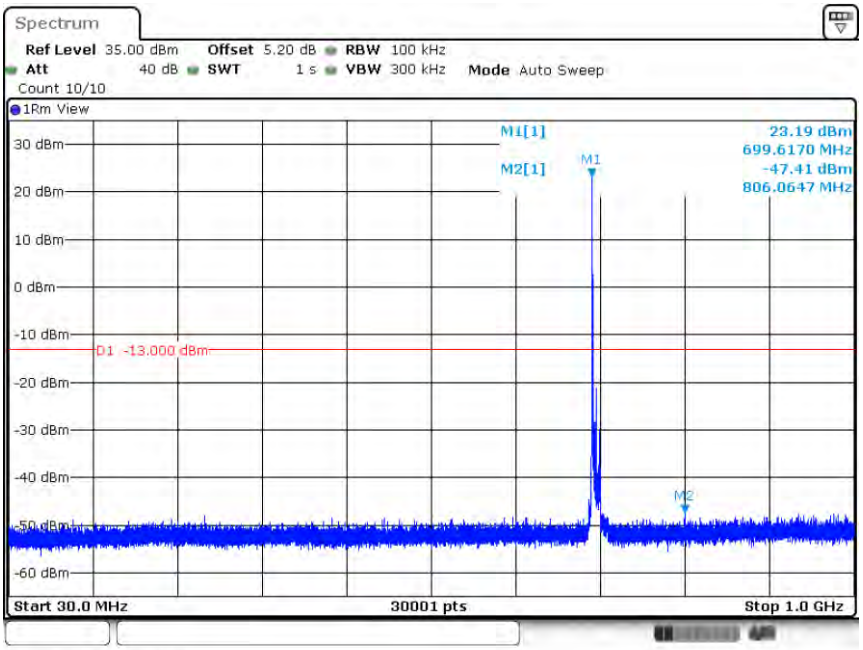
Band12-10MHz-16QAM-23060-1RB#0-Range1:30~1000MHz



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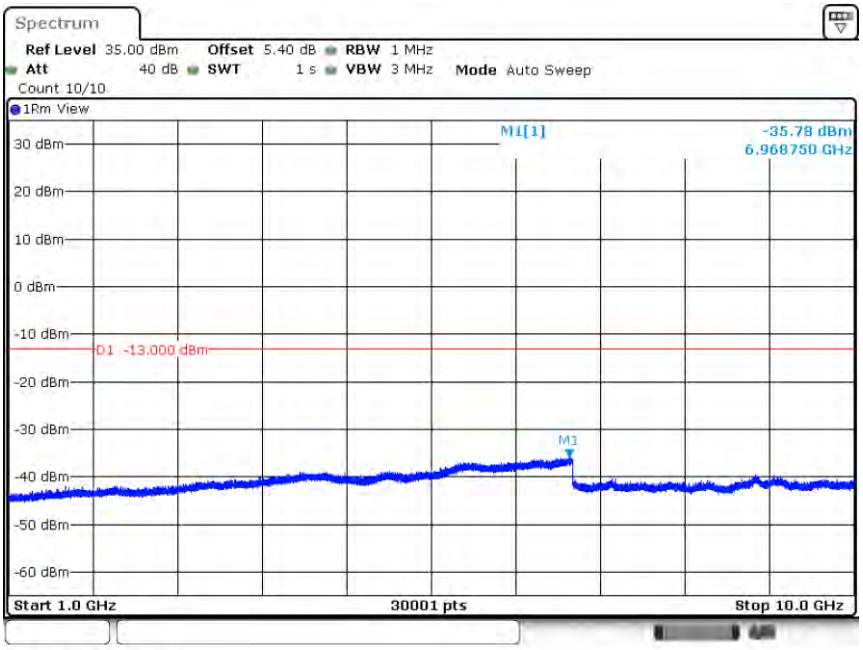
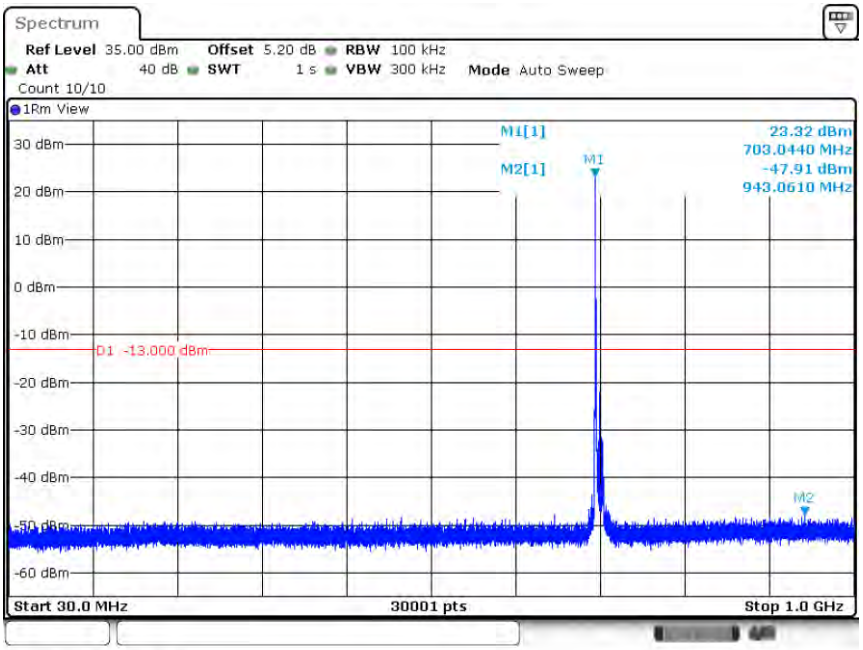


Date: 14.APR.2021 02:43:35

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



Date: 14.APR.2021 02:44:30

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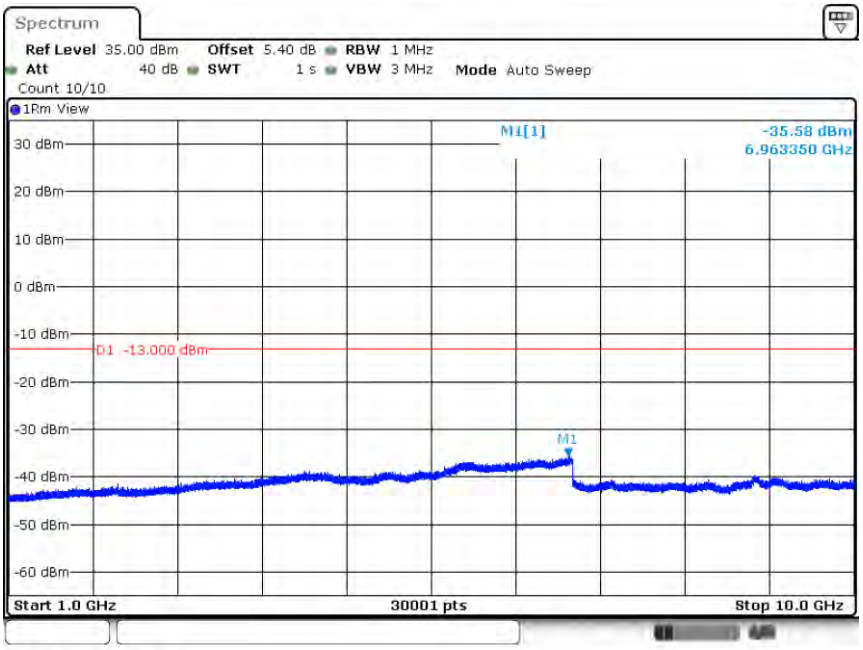
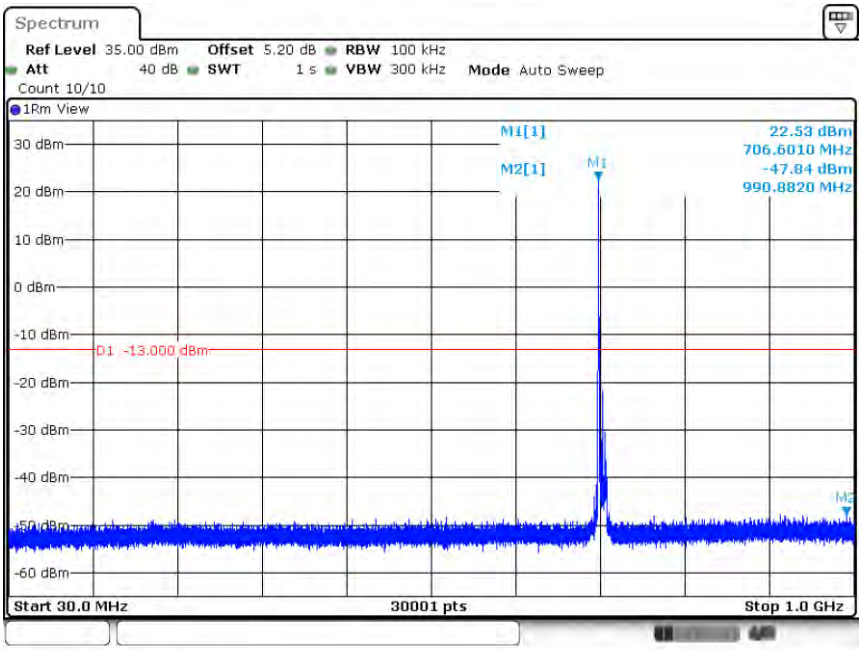
Band12-10MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz



Date: 14.APR.2021 02:44:46

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



Date: 14.APR.2021 02:45:42

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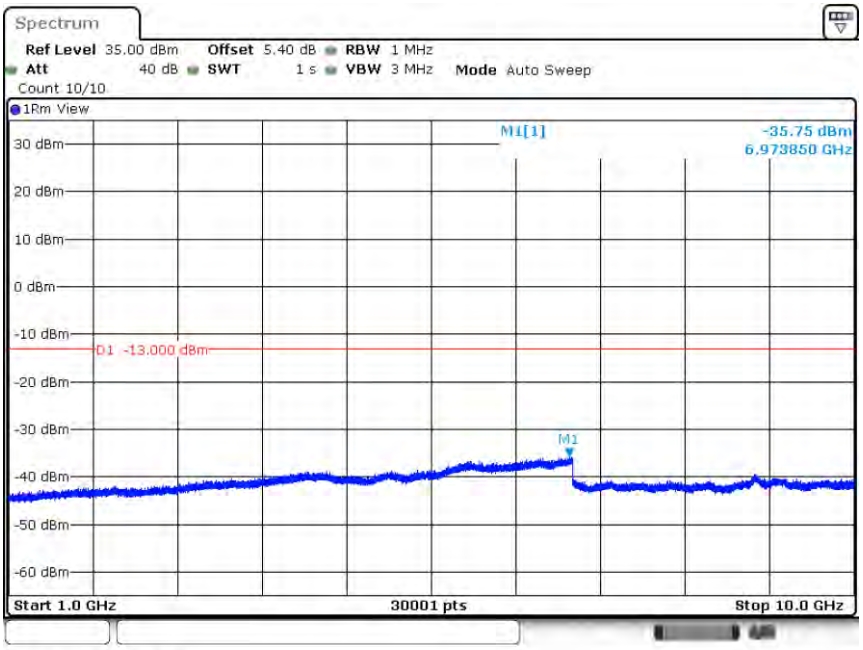
Band12-10MHz-16QAM-23130-1RB#0-Range2:1000~10000MHz



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7. Field Strength of Spurious Radiation

7.1. Test Band LTE_Band12 _TM1 ANT13

7.1.1. Test Channel Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	42.3690	-89.62	-58.93	-13.00	45.93	Horizontal
2	227.0559	-89.46	-65.11	-13.00	52.11	Horizontal
3	1494.4800	-69.80	-50.08	-13.00	37.08	Horizontal
4	2305.6000	-68.25	-44.19	-13.00	31.19	Horizontal
5	5240.0000	-45.81	-45.52	-13.00	32.52	Horizontal
6	8825.6800	-48.81	-44.49	-13.00	31.49	Horizontal

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7.2. Test Band LTE_Band12 _TM1 ANT13

7.2.1. Test Channel Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	49.4024	-89.34	-66.92	-13.00	53.92	Vertical
2	109.5499	-89.55	-60.23	-13.00	47.23	Vertical
3	454.5493	-88.23	-63.59	-13.00	50.59	Vertical
4	2278.3200	-68.17	-44.49	-13.00	31.49	Vertical
5	5274.7200	-47.58	-47.00	-13.00	34.00	Vertical
6	9102.8800	-49.57	-44.34	-13.00	31.34	Vertical

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7.3. Test Band LTE_Band12 _TM1 ANT13

7.3.1. Test Channel Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	40.6713	-89.71	-59.08	-13.00	46.08	Horizontal
2	229.7237	-89.02	-64.23	-13.00	51.23	Horizontal
3	1405.8400	-65.04	-45.53	-13.00	32.53	Horizontal
4	2322.7200	-67.85	-44.23	-13.00	31.23	Horizontal
5	5355.0800	-48.19	-47.44	-13.00	34.44	Horizontal
6	9097.8400	-49.82	-45.03	-13.00	32.03	Horizontal

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7.4. Test Band LTE_Band12 _TM1 ANT13

7.4.1. Test Channel Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	48.0685	-89.57	-67.43	-13.00	54.43	Vertical
2	114.2793	-89.14	-60.18	-13.00	47.18	Vertical
3	1461.2000	-70.71	-51.02	-13.00	38.02	Vertical
4	2235.4400	-68.12	-44.01	-13.00	31.01	Vertical
5	5137.5200	-46.57	-47.94	-13.00	34.94	Vertical
6	8615.6800	-49.40	-44.98	-13.00	31.98	Vertical

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7.5. Test Band LTE_Band12 _TM1 ANT13

7.5.1. Test Channel High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	44.4306	-89.53	-58.75	-13.00	45.75	Horizontal
2	232.1490	-88.81	-63.98	-13.00	50.98	Horizontal
3	1413.2800	-63.74	-44.22	-13.00	31.22	Horizontal
4	2195.3600	-69.77	-45.33	-13.00	32.33	Horizontal
5	5252.3200	-46.82	-46.24	-13.00	33.24	Horizontal
6	9155.8000	-48.97	-43.77	-13.00	30.77	Horizontal

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7.6. Test Band LTE_Band12 _TM1 ANT13

7.6.1. Test Channel High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	46.0070	-89.42	-67.71	-13.00	54.71	Vertical
2	112.9454	-89.50	-60.40	-13.00	47.40	Vertical
3	1371.6000	-70.06	-50.78	-13.00	37.78	Vertical
4	2236.4800	-69.49	-45.41	-13.00	32.41	Vertical
5	5334.3600	-47.49	-46.88	-13.00	33.88	Vertical
6	9628.4400	-50.50	-43.24	-13.00	30.24	Vertical

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7.7. Test Band LTE_Band12 _TM1 ANT41

7.7.1. Test Channel Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	45.7645	-88.62	-58.26	-13.00	45.26	Horizontal
2	232.3915	-88.72	-63.89	-13.00	50.89	Horizontal
3	1399.1200	-65.10	-45.60	-13.00	32.60	Horizontal
4	2267.6000	-67.64	-43.57	-13.00	30.57	Horizontal
5	5308.8800	-47.60	-46.12	-13.00	33.12	Horizontal
6	9279.5600	-50.11	-43.28	-13.00	30.28	Horizontal

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7.8. Test Band LTE_Band12 _TM1 ANT41

7.8.1. Test Channel Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	44.1880	-88.98	-68.17	-13.00	55.17	Vertical
2	115.3707	-89.11	-60.26	-13.00	47.26	Vertical
3	356.9309	-87.19	-63.93	-13.00	50.93	Vertical
4	2195.7600	-69.41	-44.75	-13.00	31.75	Vertical
5	5268.0000	-47.32	-46.87	-13.00	33.87	Vertical
6	9308.4000	-49.93	-43.05	-13.00	30.05	Vertical

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7.9. Test Band LTE_Band12 _TM1 ANT41

7.9.1. Test Channel Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	40.4288	-89.55	-58.93	-13.00	45.93	Horizontal
2	244.6393	-87.54	-62.92	-13.00	49.92	Horizontal
3	1406.3200	-62.14	-42.63	-13.00	29.63	Horizontal
4	2205.9200	-69.26	-44.72	-13.00	31.72	Horizontal
5	5317.2800	-46.50	-45.15	-13.00	32.15	Horizontal
6	9273.9600	-49.75	-42.89	-13.00	29.89	Horizontal

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7.10. Test Band LTE_Band12 _TM1 ANT41

7.10.1. Test Channel Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	48.7961	-88.43	-66.13	-13.00	53.13	Vertical
2	107.1246	-89.10	-60.33	-13.00	47.33	Vertical
3	2185.1200	-68.90	-44.70	-13.00	31.70	Vertical
4	5302.7200	-47.92	-46.88	-13.00	33.88	Vertical
5	8791.2400	-49.03	-44.30	-13.00	31.30	Vertical

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7.11. Test Band LTE_Band12 _TM1 ANT41

7.11.1. Test Channel High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	40.3075	-88.87	-58.26	-13.00	45.26	Horizontal
2	236.9996	-88.64	-63.84	-13.00	50.84	Horizontal
3	1412.7200	-65.52	-46.00	-13.00	33.00	Horizontal
4	2295.4400	-67.94	-43.76	-13.00	30.76	Horizontal
5	5279.2000	-47.74	-46.58	-13.00	33.58	Horizontal
6	9107.9200	-49.54	-44.70	-13.00	31.70	Horizontal

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7.12. Test Band LTE_Band12 _TM1 ANT41

7.12.1. Test Channel High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	47.4622	-89.77	-67.75	-13.00	54.75	Vertical
2	111.1264	-89.21	-59.91	-13.00	46.91	Vertical
3	336.9221	-88.27	-64.72	-13.00	51.72	Vertical
4	2205.2000	-69.68	-44.95	-13.00	31.95	Vertical
5	5323.7200	-47.29	-46.53	-13.00	33.53	Vertical
6	9290.7600	-49.70	-42.79	-13.00	29.79	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

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band12	10MHz	QPSK	23060	50RB#0	VL	NT	1.80	0.002557	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VN	NT	-0.50	-0.000710	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VH	NT	0.60	0.000852	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VL	NT	4.90	0.006926	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VN	NT	3.70	0.005230	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VH	NT	1.30	0.001837	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VL	NT	0.20	0.000281	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VN	NT	1.70	0.002391	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VH	NT	0.40	0.000563	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	VL	NT	0.10	0.000142	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	VN	NT	-1.40	-0.001989	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	VH	NT	-1.10	-0.001563	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	VL	NT	-1.80	-0.002544	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	VN	NT	-2.20	-0.003110	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	VH	NT	0.60	0.000848	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	VL	NT	0.00	0.000000	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	VN	NT	-1.40	-0.001969	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	VH	NT	-1.80	-0.002532	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VL	NT	1.40	0.001989	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VN	NT	-0.30	-0.000426	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VH	NT	-3.10	-0.004403	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VL	NT	4.50	0.006360	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VN	NT	2.40	0.003392	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VH	NT	4.50	0.006360	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VL	NT	-1.30	-0.001828	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VN	NT	-1.70	-0.002391	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VH	NT	4.10	0.005767	±2.5	PASS

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8.2. Frequency Vs 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	-3.50	-0.004972	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-20	-0.80	-0.001136	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-10	-3.50	-0.004972	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	0	1.40	0.001989	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	10	-1.80	-0.002557	±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	-2.70	-0.003835	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	40	-2.50	-0.003551	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	50	0.70	0.000994	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-30	4.40	0.006219	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-20	-1.80	-0.002544	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-10	0.90	0.001272	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	0	0.40	0.000565	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	10	2.40	0.003392	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	20	-0.80	-0.001131	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	30	0.60	0.000848	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	40	2.90	0.004099	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	50	-1.40	-0.001979	±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	-20	-1.40	-0.001969	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-10	3.20	0.004501	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	0	4.40	0.006188	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	10	-0.70	-0.000985	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	20	0.40	0.000563	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	30	-4.20	-0.005907	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	40	2.10	0.002954	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	50	-2.50	-0.003516	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	-30	-2.70	-0.003835	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	-20	-0.90	-0.001278	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	-10	-2.50	-0.003551	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	0	-1.10	-0.001563	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	10	-1.70	-0.002415	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	20	-3.20	-0.004545	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	30	-3.00	-0.004261	±2.5	PASS

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Band12	10MHz	64QAM	23060	50RB#0	NV	40	1.10	0.001563	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	50	-0.90	-0.001278	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	-30	1.00	0.001413	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	-20	1.50	0.002120	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	-10	1.50	0.002120	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	0	-2.00	-0.002827	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	10	-0.70	-0.000989	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	20	0.20	0.000283	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	30	-2.20	-0.003110	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	40	0.60	0.000848	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	50	1.30	0.001837	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	-30	3.60	0.005063	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	-20	0.10	0.000141	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	-10	2.50	0.003516	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	0	1.60	0.002250	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	10	1.50	0.002110	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	20	1.60	0.002250	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	30	0.10	0.000141	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	40	1.10	0.001547	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	50	-0.60	-0.000844	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-30	-2.80	-0.003977	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-20	0.10	0.000142	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-10	1.40	0.001989	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	0	-0.50	-0.000710	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	10	2.50	0.003551	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	20	-0.10	-0.000142	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	30	-0.30	-0.000426	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	40	0.40	0.000568	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	50	2.40	0.003409	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-30	3.30	0.004664	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-20	3.70	0.005230	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-10	-0.20	-0.000283	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	0	0.20	0.000283	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	10	1.60	0.002261	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	20	-0.10	-0.000141	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	30	1.90	0.002686	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	40	2.50	0.003534	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	50	0.10	0.000141	±2.5	PASS

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Band12	10MHz	16QAM	23130	50RB#0	NV	-30	-0.50	-0.000703	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	-20	0.90	0.001266	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	-10	0.00	0.000000	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	0	-5.20	-0.007314	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	10	-3.40	-0.004782	±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	-1.70	-0.002391	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	40	-1.80	-0.002532	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	50	2.10	0.002954	±2.5	PASS

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