



Appendix B

E-UTRA Band 12



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1 Effective (Isotropic) Radiated Power

1.1. Test Result

ANT6:

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	22.86	17.20	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	23.07	17.41	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	22.96	17.30	34.77	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	23.05	17.39	34.77	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	22.99	17.33	34.77	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	22.93	17.27	34.77	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.03	16.37	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	23.00	17.34	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	22.87	17.21	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	22.89	17.23	34.77	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	22.90	17.24	34.77	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	22.95	17.29	34.77	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	22.96	17.30	34.77	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	21.91	16.25	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	22.72	17.06	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	22.94	17.28	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	22.73	17.07	34.77	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	22.90	17.24	34.77	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	22.90	17.24	34.77	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	22.87	17.21	34.77	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	21.91	16.25	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	22.13	16.47	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	22.43	16.77	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	22.03	16.37	34.77	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	21.97	16.31	34.77	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	22.13	16.47	34.77	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	21.78	16.12	34.77	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	21.07	15.41	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	22.33	16.67	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	22.12	16.46	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.01	16.35	34.77	PASS



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Band12	1.4MHz	16QAM	23095	3RB#0	22.13	16.47	34.77	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	22.18	16.52	34.77	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	21.77	16.11	34.77	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	21.12	15.46	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	22.21	16.55	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	22.12	16.46	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	21.90	16.24	34.77	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	22.04	16.38	34.77	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	22.00	16.34	34.77	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	21.99	16.33	34.77	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	20.98	15.32	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#0	21.49	15.83	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#2	20.79	15.13	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#5	21.01	15.35	34.77	PASS
Band12	1.4MHz	64QAM	23017	3RB#0	21.44	15.78	34.77	PASS
Band12	1.4MHz	64QAM	23017	3RB#1	20.67	15.01	34.77	PASS
Band12	1.4MHz	64QAM	23017	3RB#3	20.96	15.30	34.77	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	20.09	14.43	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#0	21.26	15.60	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#2	20.98	15.32	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#5	21.50	15.84	34.77	PASS
Band12	1.4MHz	64QAM	23095	3RB#0	21.25	15.59	34.77	PASS
Band12	1.4MHz	64QAM	23095	3RB#1	20.90	15.24	34.77	PASS
Band12	1.4MHz	64QAM	23095	3RB#3	21.43	15.77	34.77	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	20.03	14.37	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#0	21.12	15.46	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#2	20.98	15.32	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#5	21.24	15.58	34.77	PASS
Band12	1.4MHz	64QAM	23173	3RB#0	21.06	15.40	34.77	PASS
Band12	1.4MHz	64QAM	23173	3RB#1	20.90	15.24	34.77	PASS
Band12	1.4MHz	64QAM	23173	3RB#3	21.19	15.53	34.77	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	19.83	14.17	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#0	23.08	17.42	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#8	22.97	17.31	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#14	22.96	17.30	34.77	PASS
Band12	3MHz	QPSK	23025	8RB#0	22.12	16.46	34.77	PASS
Band12	3MHz	QPSK	23025	8RB#4	22.13	16.47	34.77	PASS
Band12	3MHz	QPSK	23025	8RB#7	22.08	16.42	34.77	PASS



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Band12	3MHz	QPSK	23025	15RB#0	22.10	16.44	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#0	22.99	17.33	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#8	22.93	17.27	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#14	22.86	17.20	34.77	PASS
Band12	3MHz	QPSK	23095	8RB#0	22.00	16.34	34.77	PASS
Band12	3MHz	QPSK	23095	8RB#4	21.76	16.10	34.77	PASS
Band12	3MHz	QPSK	23095	8RB#7	22.00	16.34	34.77	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.12	16.46	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#0	22.84	17.18	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#8	22.85	17.19	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#14	22.78	17.12	34.77	PASS
Band12	3MHz	QPSK	23165	8RB#0	21.98	16.32	34.77	PASS
Band12	3MHz	QPSK	23165	8RB#4	21.95	16.29	34.77	PASS
Band12	3MHz	QPSK	23165	8RB#7	21.99	16.33	34.77	PASS
Band12	3MHz	QPSK	23165	15RB#0	21.97	16.31	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#0	22.50	16.84	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#8	22.09	16.43	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#14	21.91	16.25	34.77	PASS
Band12	3MHz	16QAM	23025	8RB#0	21.14	15.48	34.77	PASS
Band12	3MHz	16QAM	23025	8RB#4	21.15	15.49	34.77	PASS
Band12	3MHz	16QAM	23025	8RB#7	21.22	15.56	34.77	PASS
Band12	3MHz	16QAM	23025	15RB#0	21.08	15.42	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#0	22.62	16.96	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#8	22.12	16.46	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.55	16.89	34.77	PASS
Band12	3MHz	16QAM	23095	8RB#0	21.19	15.53	34.77	PASS
Band12	3MHz	16QAM	23095	8RB#4	20.95	15.29	34.77	PASS
Band12	3MHz	16QAM	23095	8RB#7	21.20	15.54	34.77	PASS
Band12	3MHz	16QAM	23095	15RB#0	21.05	15.39	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#0	22.59	16.93	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#8	22.10	16.44	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#14	22.04	16.38	34.77	PASS
Band12	3MHz	16QAM	23165	8RB#0	21.02	15.36	34.77	PASS
Band12	3MHz	16QAM	23165	8RB#4	20.99	15.33	34.77	PASS
Band12	3MHz	16QAM	23165	8RB#7	21.02	15.36	34.77	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.02	15.36	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#0	21.46	15.80	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#8	20.76	15.10	34.77	PASS



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Band12	3MHz	64QAM	23025	1RB#14	20.99	15.33	34.77	PASS
Band12	3MHz	64QAM	23025	8RB#0	20.15	14.49	34.77	PASS
Band12	3MHz	64QAM	23025	8RB#4	20.02	14.36	34.77	PASS
Band12	3MHz	64QAM	23025	8RB#7	19.94	14.28	34.77	PASS
Band12	3MHz	64QAM	23025	15RB#0	20.10	14.44	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#0	21.31	15.65	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#8	20.95	15.29	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#14	21.50	15.84	34.77	PASS
Band12	3MHz	64QAM	23095	8RB#0	20.02	14.36	34.77	PASS
Band12	3MHz	64QAM	23095	8RB#4	19.80	14.14	34.77	PASS
Band12	3MHz	64QAM	23095	8RB#7	19.92	14.26	34.77	PASS
Band12	3MHz	64QAM	23095	15RB#0	20.01	14.35	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#0	21.14	15.48	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#8	20.98	15.32	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#14	21.24	15.58	34.77	PASS
Band12	3MHz	64QAM	23165	8RB#0	19.96	14.30	34.77	PASS
Band12	3MHz	64QAM	23165	8RB#4	19.88	14.22	34.77	PASS
Band12	3MHz	64QAM	23165	8RB#7	20.17	14.51	34.77	PASS
Band12	3MHz	64QAM	23165	15RB#0	19.83	14.17	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#0	22.71	17.05	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.02	17.36	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#24	22.98	17.32	34.77	PASS
Band12	5MHz	QPSK	23035	12RB#0	22.14	16.48	34.77	PASS
Band12	5MHz	QPSK	23035	12RB#6	22.16	16.50	34.77	PASS
Band12	5MHz	QPSK	23035	12RB#13	21.98	16.32	34.77	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.11	16.45	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#0	22.96	17.30	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#12	22.92	17.26	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#24	22.89	17.23	34.77	PASS
Band12	5MHz	QPSK	23095	12RB#0	22.05	16.39	34.77	PASS
Band12	5MHz	QPSK	23095	12RB#6	22.05	16.39	34.77	PASS
Band12	5MHz	QPSK	23095	12RB#13	22.03	16.37	34.77	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.01	16.35	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#0	22.94	17.28	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#12	22.99	17.33	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#24	22.88	17.22	34.77	PASS
Band12	5MHz	QPSK	23155	12RB#0	22.05	16.39	34.77	PASS
Band12	5MHz	QPSK	23155	12RB#6	21.99	16.33	34.77	PASS



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Band12	5MHz	QPSK	23155	12RB#13	22.06	16.40	34.77	PASS
Band12	5MHz	QPSK	23155	25RB#0	22.00	16.34	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#0	22.32	16.66	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#12	22.66	17.00	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#24	22.45	16.79	34.77	PASS
Band12	5MHz	16QAM	23035	12RB#0	21.10	15.44	34.77	PASS
Band12	5MHz	16QAM	23035	12RB#6	21.14	15.48	34.77	PASS
Band12	5MHz	16QAM	23035	12RB#13	21.05	15.39	34.77	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.05	15.39	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#0	22.03	16.37	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.27	16.61	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#24	22.06	16.40	34.77	PASS
Band12	5MHz	16QAM	23095	12RB#0	21.04	15.38	34.77	PASS
Band12	5MHz	16QAM	23095	12RB#6	21.13	15.47	34.77	PASS
Band12	5MHz	16QAM	23095	12RB#13	21.15	15.49	34.77	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.15	15.49	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#0	22.45	16.79	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#12	22.49	16.83	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#24	22.13	16.47	34.77	PASS
Band12	5MHz	16QAM	23155	12RB#0	21.07	15.41	34.77	PASS
Band12	5MHz	16QAM	23155	12RB#6	21.04	15.38	34.77	PASS
Band12	5MHz	16QAM	23155	12RB#13	21.05	15.39	34.77	PASS
Band12	5MHz	16QAM	23155	25RB#0	20.96	15.30	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#0	21.51	15.85	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#12	20.78	15.12	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#24	20.97	15.31	34.77	PASS
Band12	5MHz	64QAM	23035	12RB#0	20.11	14.45	34.77	PASS
Band12	5MHz	64QAM	23035	12RB#6	20.02	14.36	34.77	PASS
Band12	5MHz	64QAM	23035	12RB#13	19.98	14.32	34.77	PASS
Band12	5MHz	64QAM	23035	25RB#0	20.09	14.43	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#0	21.26	15.60	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#12	20.96	15.30	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#24	21.52	15.86	34.77	PASS
Band12	5MHz	64QAM	23095	12RB#0	20.03	14.37	34.77	PASS
Band12	5MHz	64QAM	23095	12RB#6	19.81	14.15	34.77	PASS
Band12	5MHz	64QAM	23095	12RB#13	19.93	14.27	34.77	PASS
Band12	5MHz	64QAM	23095	25RB#0	20.04	14.38	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#0	21.17	15.51	34.77	PASS



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Band12	5MHz	64QAM	23155	1RB#12	20.98	15.32	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#24	21.27	15.61	34.77	PASS
Band12	5MHz	64QAM	23155	12RB#0	19.96	14.30	34.77	PASS
Band12	5MHz	64QAM	23155	12RB#6	19.88	14.22	34.77	PASS
Band12	5MHz	64QAM	23155	12RB#13	20.19	14.53	34.77	PASS
Band12	5MHz	64QAM	23155	25RB#0	19.82	14.16	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#0	22.97	17.31	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#24	22.84	17.18	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.02	17.36	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#0	22.11	16.45	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#12	22.13	16.47	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#25	22.03	16.37	34.77	PASS
Band12	10MHz	QPSK	23060	50RB#0	21.99	16.33	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.10	17.44	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.12	17.46	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#49	22.89	17.23	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#0	22.14	16.48	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#12	21.99	16.33	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#25	22.11	16.45	34.77	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.08	16.42	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#0	22.88	17.22	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#24	22.86	17.20	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#49	23.06	17.40	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#0	22.04	16.38	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#12	22.00	16.34	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#25	22.07	16.41	34.77	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.07	16.41	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#0	22.56	16.90	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#24	21.84	16.18	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#49	22.06	16.40	34.77	PASS
Band12	10MHz	16QAM	23060	25RB#0	21.20	15.54	34.77	PASS
Band12	10MHz	16QAM	23060	25RB#12	21.12	15.46	34.77	PASS
Band12	10MHz	16QAM	23060	25RB#25	21.04	15.38	34.77	PASS
Band12	10MHz	16QAM	23060	50RB#0	21.15	15.49	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#0	22.36	16.70	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#24	22.04	16.38	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#49	22.59	16.93	34.77	PASS
Band12	10MHz	16QAM	23095	25RB#0	21.11	15.45	34.77	PASS



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Band12	10MHz	16QAM	23095	25RB#12	20.90	15.24	34.77	PASS
Band12	10MHz	16QAM	23095	25RB#25	21.00	15.34	34.77	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.09	15.43	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#0	22.22	16.56	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#24	22.04	16.38	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#49	22.33	16.67	34.77	PASS
Band12	10MHz	16QAM	23130	25RB#0	21.06	15.40	34.77	PASS
Band12	10MHz	16QAM	23130	25RB#12	20.98	15.32	34.77	PASS
Band12	10MHz	16QAM	23130	25RB#25	21.24	15.58	34.77	PASS
Band12	10MHz	16QAM	23130	50RB#0	20.92	15.26	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#0	21.48	15.82	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#24	20.75	15.09	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#49	21.01	15.35	34.77	PASS
Band12	10MHz	64QAM	23060	25RB#0	20.12	14.46	34.77	PASS
Band12	10MHz	64QAM	23060	25RB#12	20.07	14.41	34.77	PASS
Band12	10MHz	64QAM	23060	25RB#25	19.96	14.30	34.77	PASS
Band12	10MHz	64QAM	23060	50RB#0	20.08	14.42	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#0	21.26	15.60	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#24	20.99	15.33	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#49	21.53	15.87	34.77	PASS
Band12	10MHz	64QAM	23095	25RB#0	20.01	14.35	34.77	PASS
Band12	10MHz	64QAM	23095	25RB#12	19.81	14.15	34.77	PASS
Band12	10MHz	64QAM	23095	25RB#25	19.93	14.27	34.77	PASS
Band12	10MHz	64QAM	23095	50RB#0	19.99	14.33	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#0	21.15	15.49	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#24	20.94	15.28	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#49	21.27	15.61	34.77	PASS
Band12	10MHz	64QAM	23130	25RB#0	19.96	14.30	34.77	PASS
Band12	10MHz	64QAM	23130	25RB#12	19.88	14.22	34.77	PASS
Band12	10MHz	64QAM	23130	25RB#25	20.18	14.52	34.77	PASS
Band12	10MHz	64QAM	23130	50RB#0	19.85	14.19	34.77	PASS

Remark:

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

$$ERP [dBm] = \text{Conducted Power [dBm]} + \text{Gain [dBd]}$$

$$EIRP [dBm] = \text{Conducted Power [dBm]} + \text{Gain [dBi]}$$

The conducted Power is measured by Base Station Simulator



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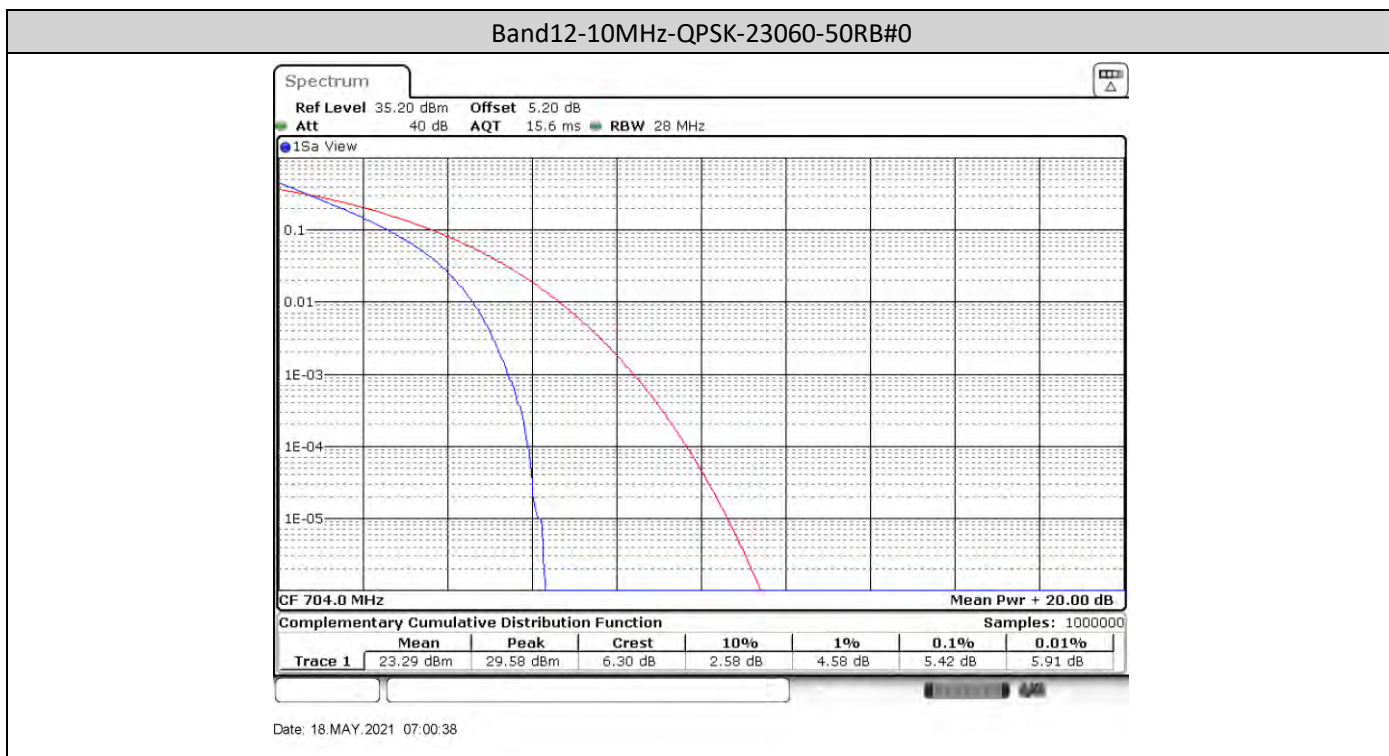


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

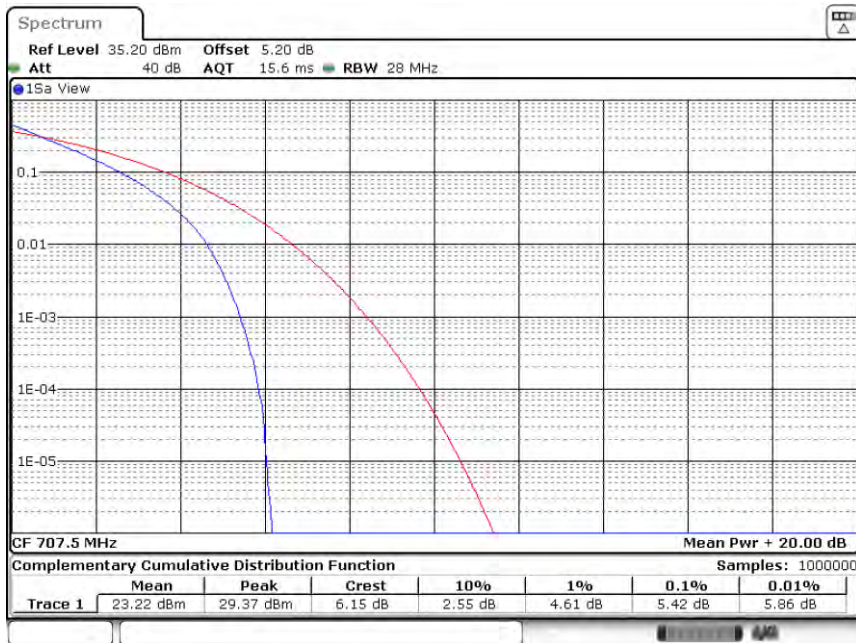
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	10MHz	QPSK	23060	50RB#0	5.42	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.42	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.28	13	PASS
Band12	10MHz	64QAM	23060	50RB#0	6.90	13	PASS
Band12	10MHz	64QAM	23095	50RB#0	6.96	13	PASS
Band12	10MHz	64QAM	23130	50RB#0	6.75	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.17	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.23	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.09	13	PASS

2.2. Test Plots



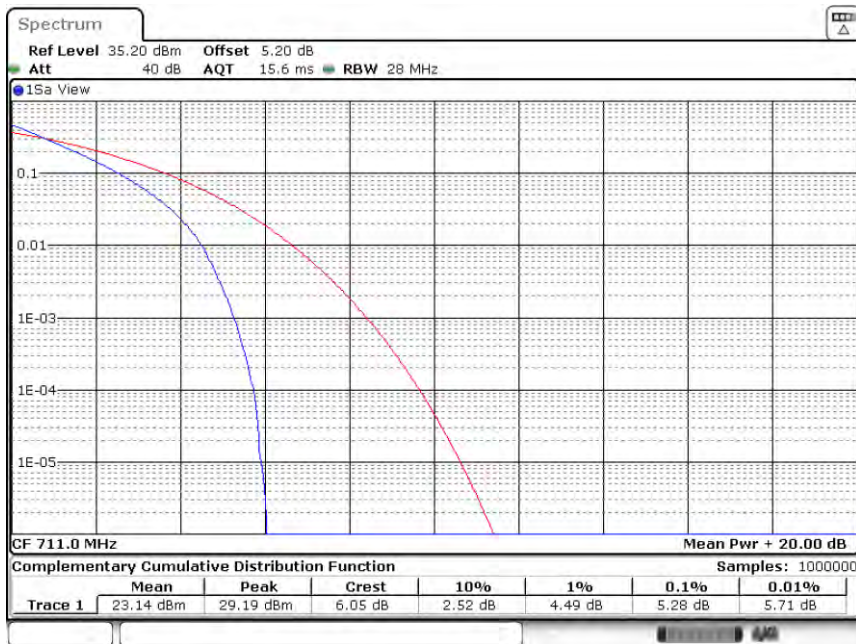
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Band12-10MHz-QPSK-23095-50RB#0



Date: 18 MAY 2021 07:01:00

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

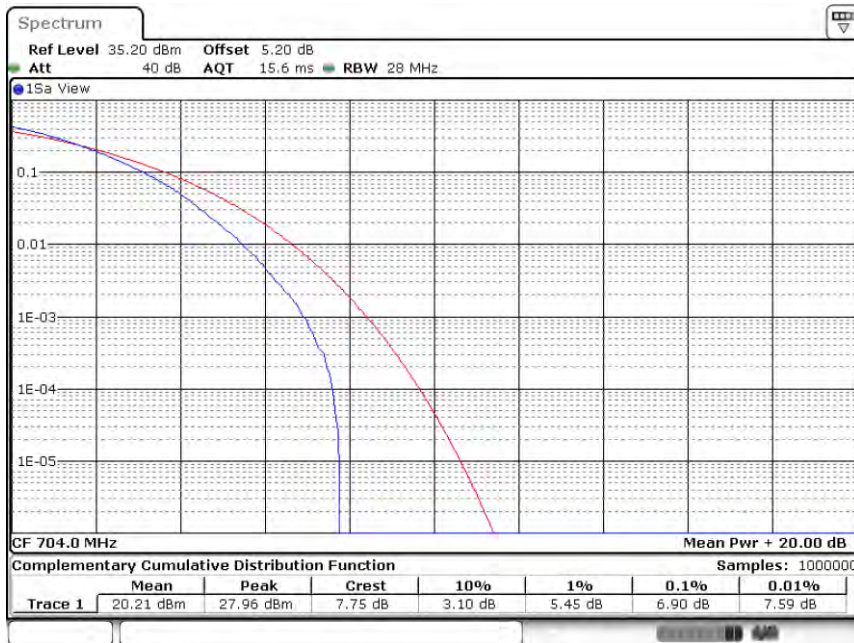


Date: 18 MAY 2021 07:01:22



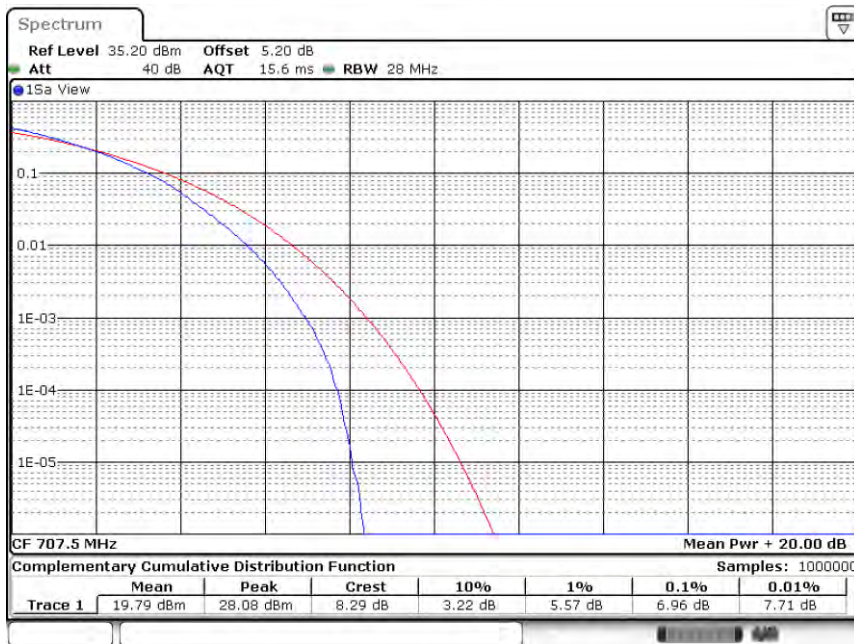
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Band12-10MHz-64QAM-23060-50RB#0



Date: 21 JUN 2021 03:08:23

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

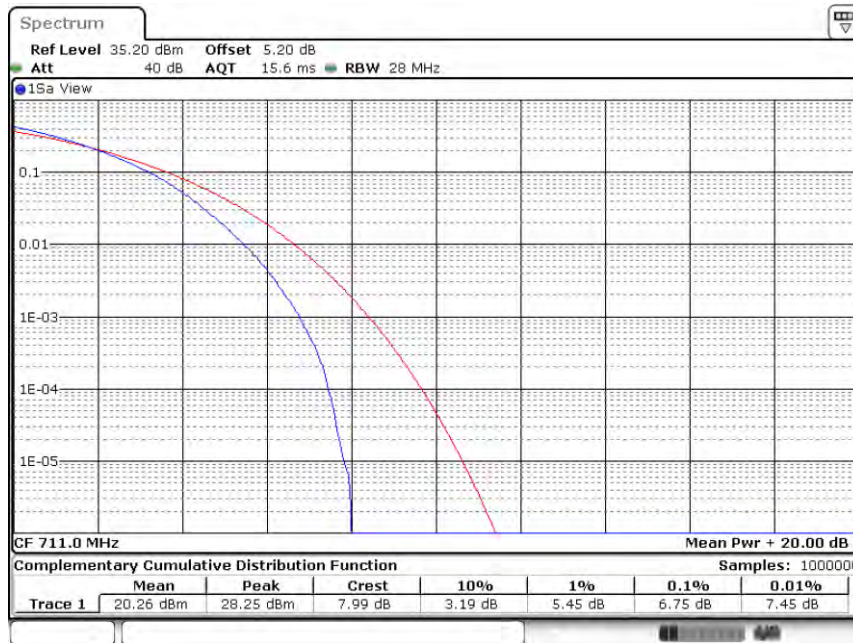


Date: 21 JUN 2021 03:08:34



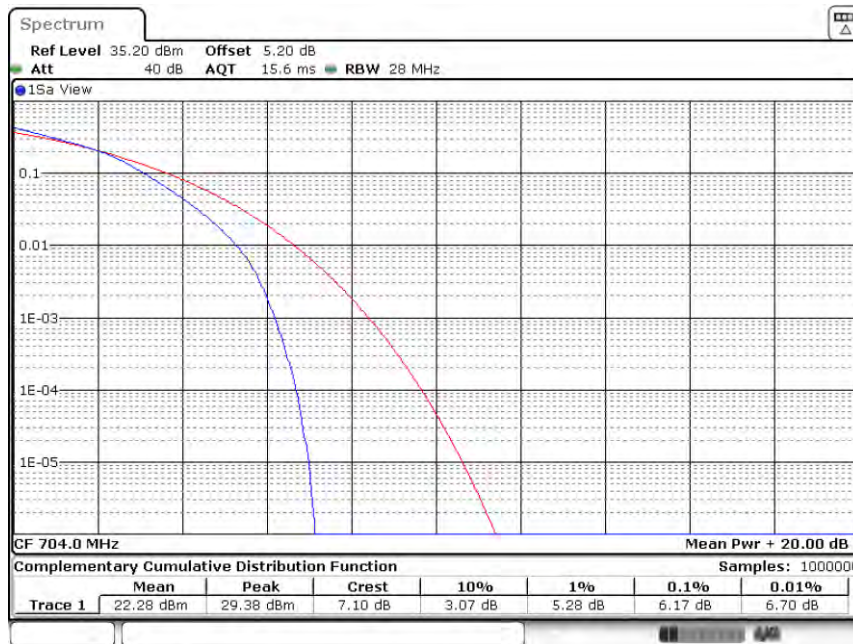
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Band12-10MHz-64QAM-23130-50RB#0



Date: 21 JUN 2021 03:08:46

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



Date: 18 MAY 2021 07:00:49

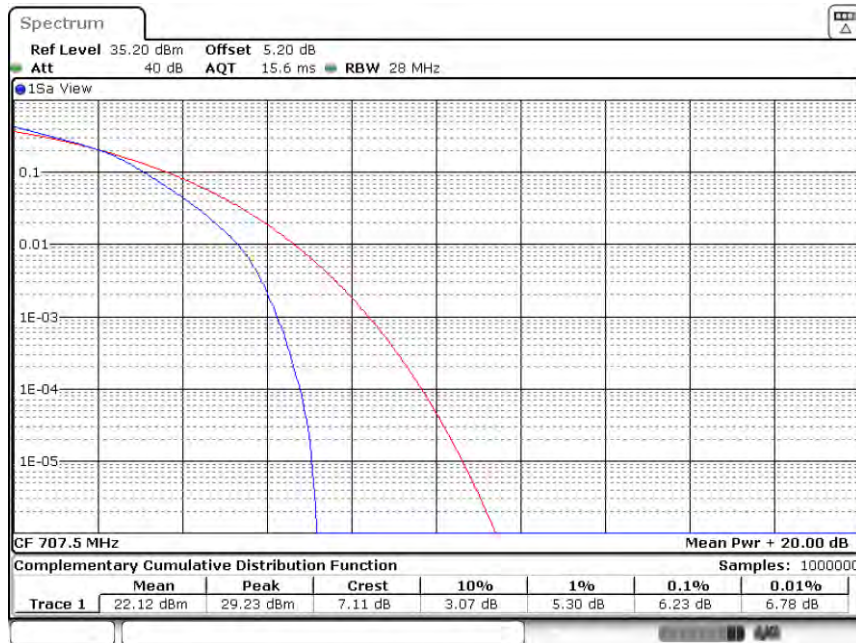


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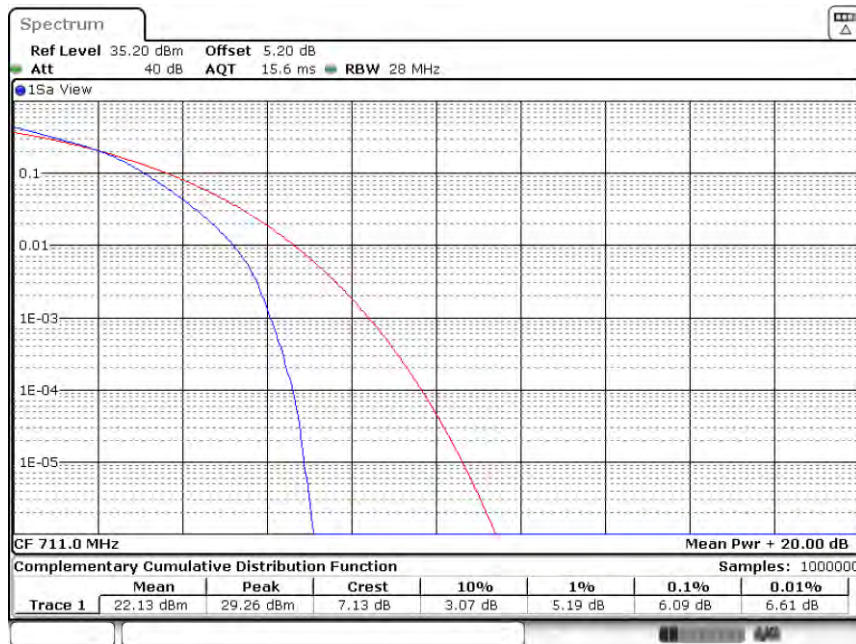


Band12-10MHz-16QAM-23095-50RB#0



Date: 18.MAY.2021 07:01:11

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



Date: 18.MAY.2021 07:01:33

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



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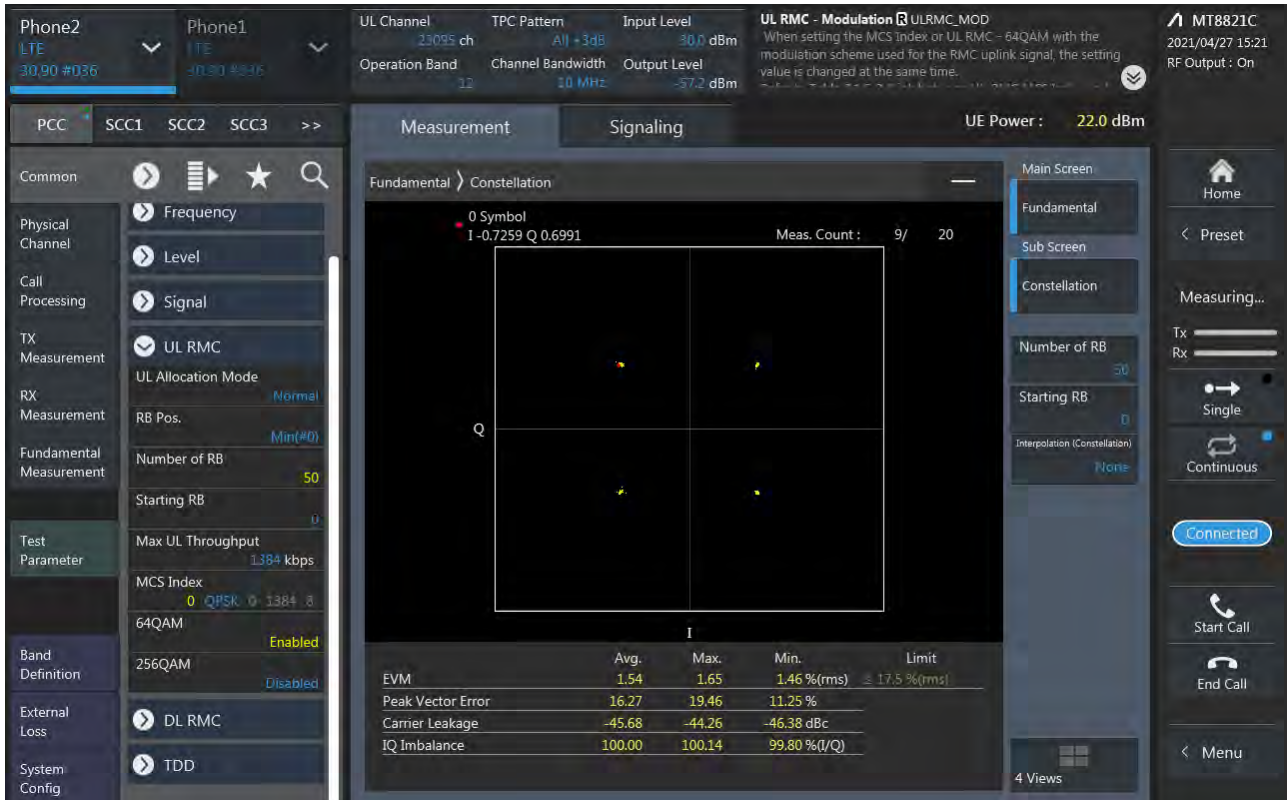
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3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 10MHz

3.1.1. Test Channel = MCH



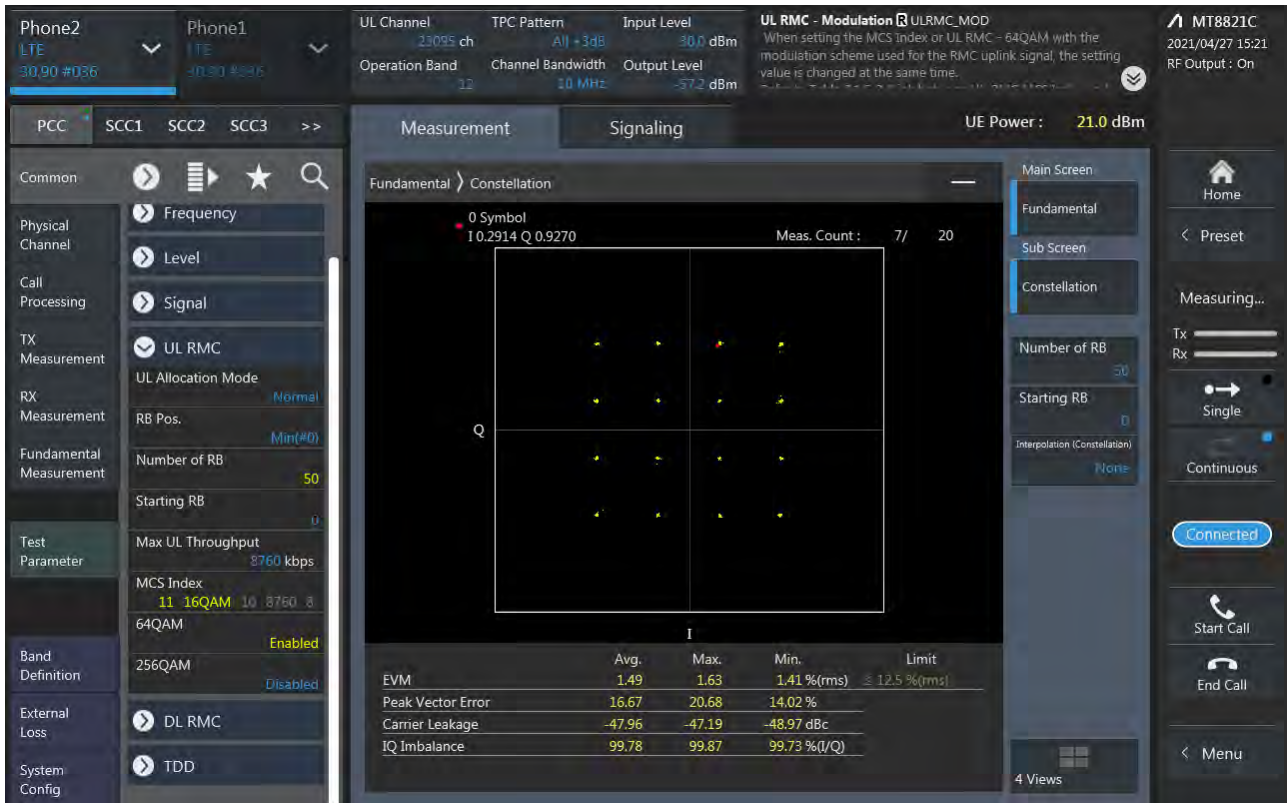
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3.2. Test Mode = LTE /TM2 10MHz

3.2.1. Test Channel = MCH



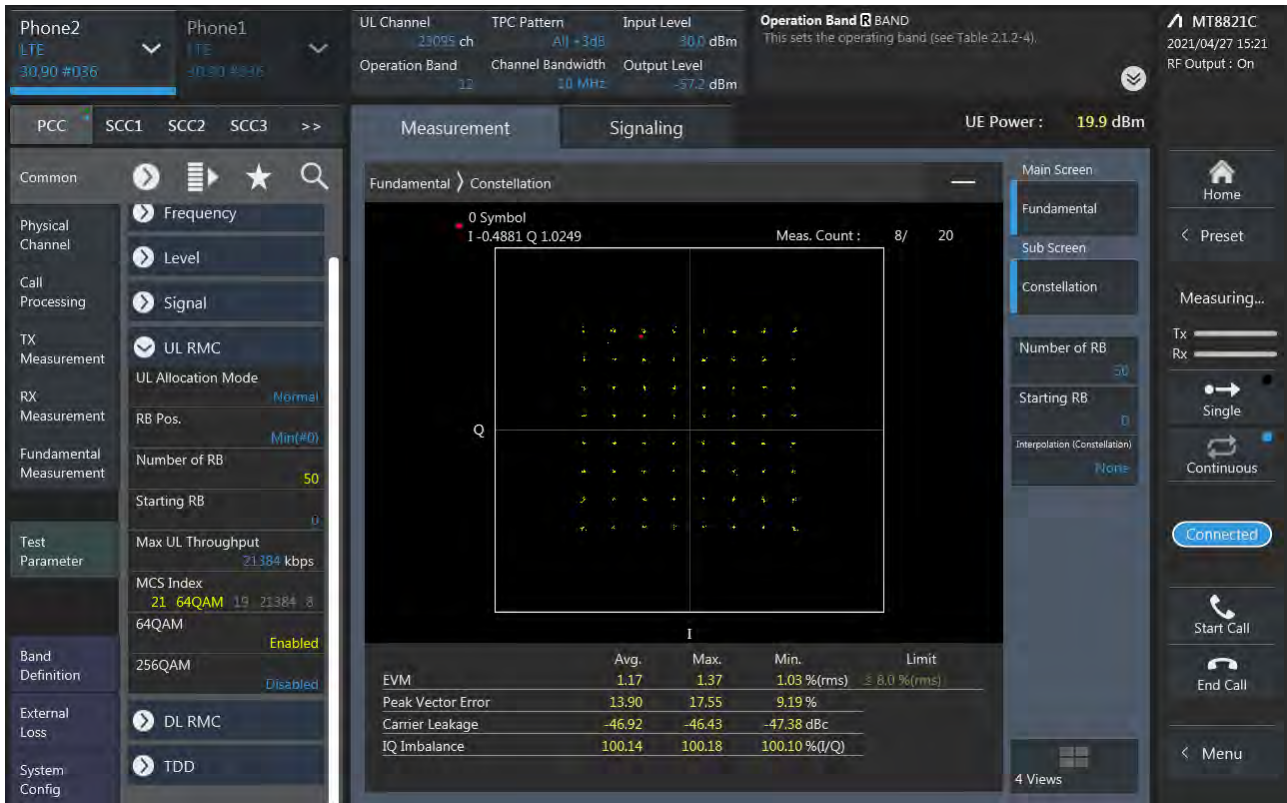
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3.3. Test Mode = LTE /TM3 10MHz

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	1.230	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.088	1.233	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.088	1.230	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	1.079	1.227	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	1.094	1.248	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	1.094	1.224	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.085	1.236	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.085	1.239	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.085	1.236	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.691	3.012	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.697	3.006	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.697	2.994	PASS
Band12	3MHz	64QAM	23025	15RB#0	2.691	2.988	PASS
Band12	3MHz	64QAM	23095	15RB#0	2.691	3.000	PASS
Band12	3MHz	64QAM	23165	15RB#0	2.691	2.988	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.685	2.988	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.691	2.976	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.685	2.988	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.476	4.900	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.476	4.910	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.476	4.900	PASS
Band12	5MHz	64QAM	23035	25RB#0	4.476	4.860	PASS
Band12	5MHz	64QAM	23095	25RB#0	4.476	4.930	PASS
Band12	5MHz	64QAM	23155	25RB#0	4.476	4.880	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.496	4.910	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.486	4.910	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.486	4.910	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.931	9.680	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.931	9.700	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.911	9.640	PASS
Band12	10MHz	64QAM	23060	50RB#0	8.911	9.600	PASS



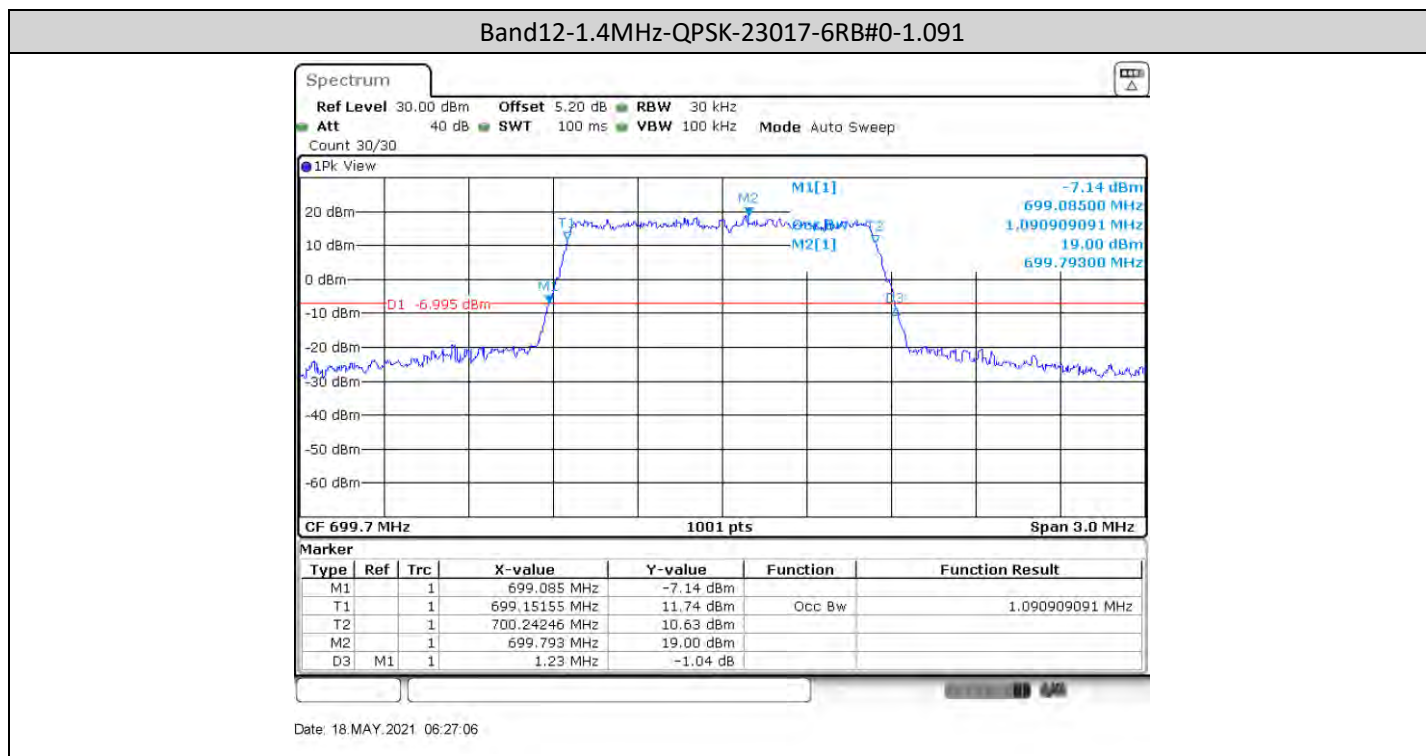
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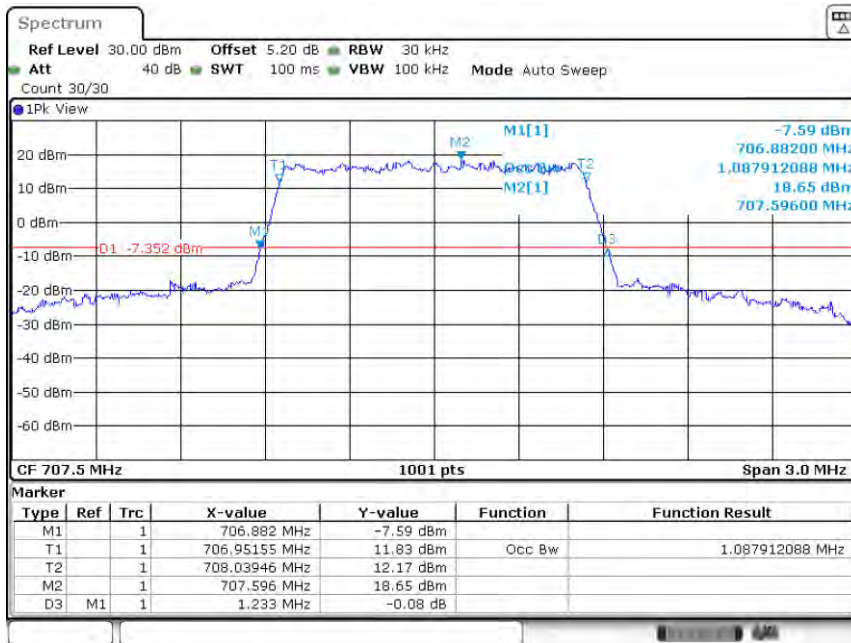
Band12	10MHz	64QAM	23095	50RB#0	8.931	9.640	PASS
Band12	10MHz	64QAM	23130	50RB#0	8.911	9.600	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.931	9.700	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.931	9.720	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.911	9.620	PASS

4.2. Test Plots



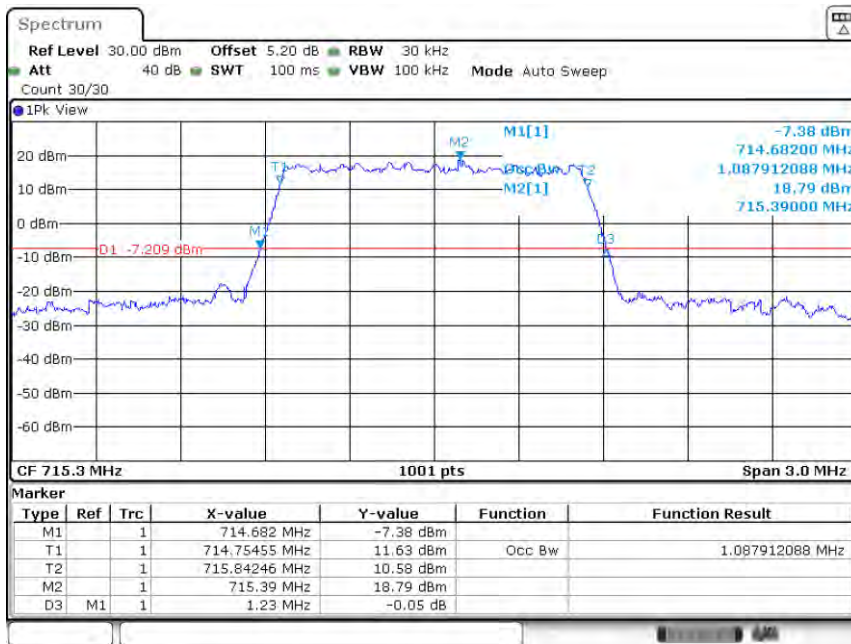
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Band12-1.4MHz-QPSK-23095-6RB#0-1.088



Date: 18 MAY.2021 06:27:32

Band12-1.4MHz-QPSK-23173-6RB#0-1.088

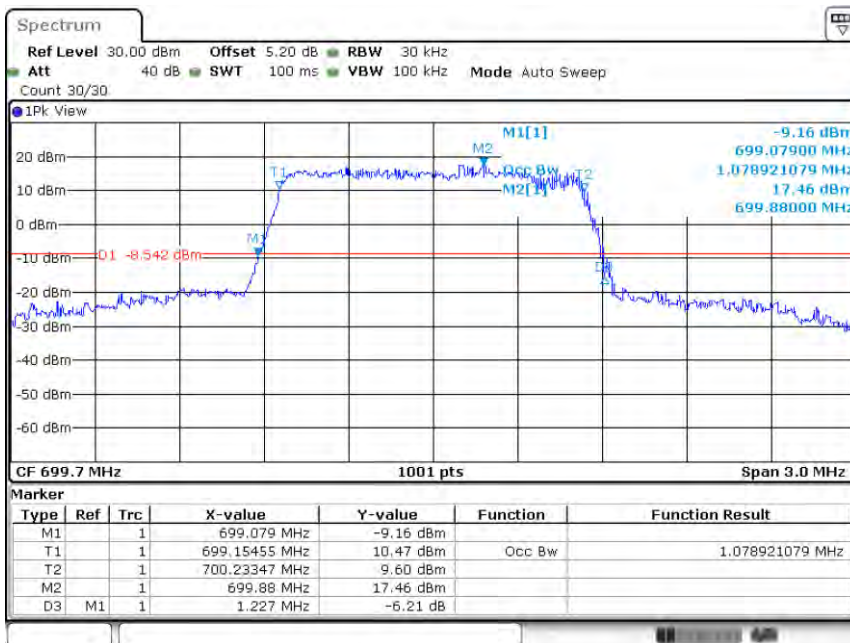


Date: 18 MAY.2021 06:27:58



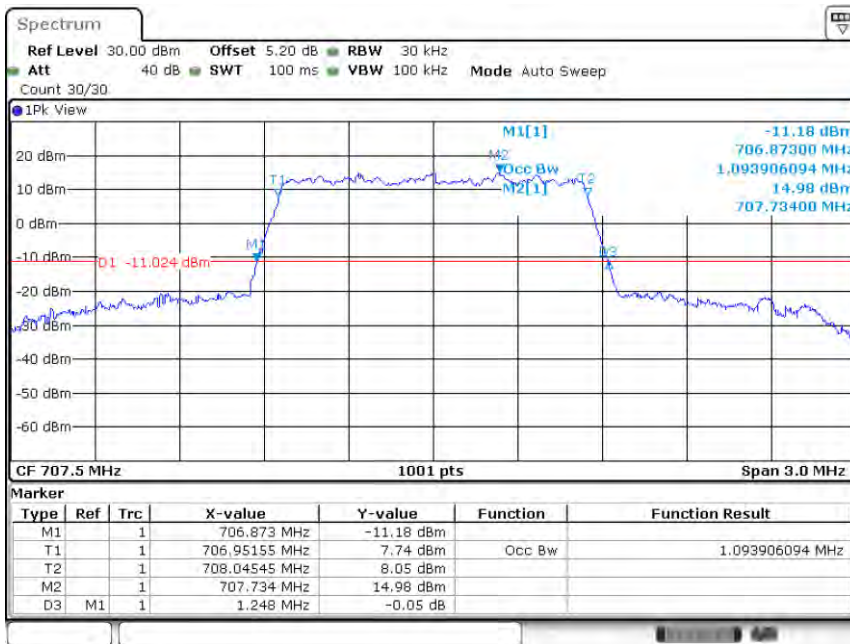
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Band12-1.4MHz-64QAM-23017-6RB#0-1.079



Date: 21 JUN 2021 02:57:03

Band12-1.4MHz-64QAM-23095-6RB#0-1.094

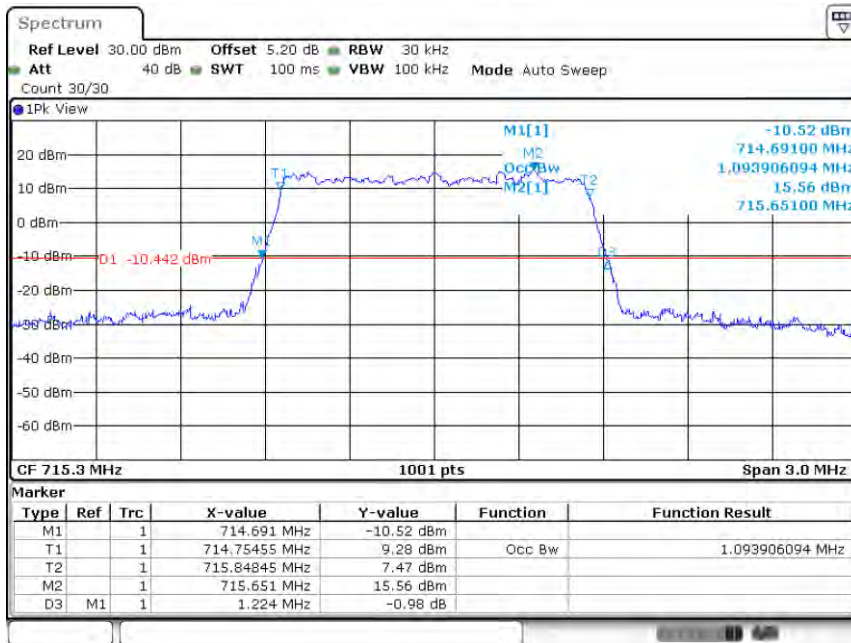


Date: 21 JUN 2021 02:57:16



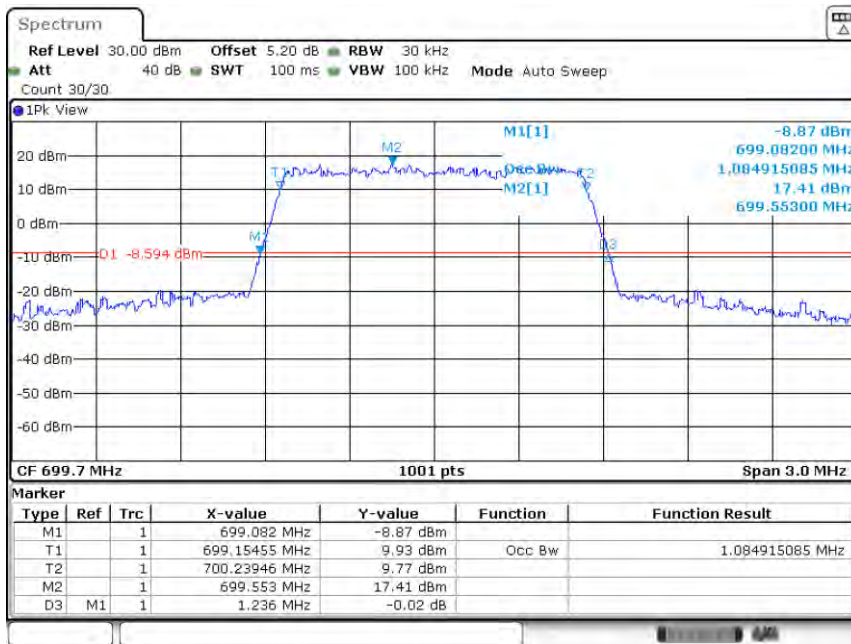
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Band12-1.4MHz-64QAM-23173-6RB#0-1.094



Date: 21 JUN 2021 02:57:29

Band12-1.4MHz-16QAM-23017-6RB#0-1.085

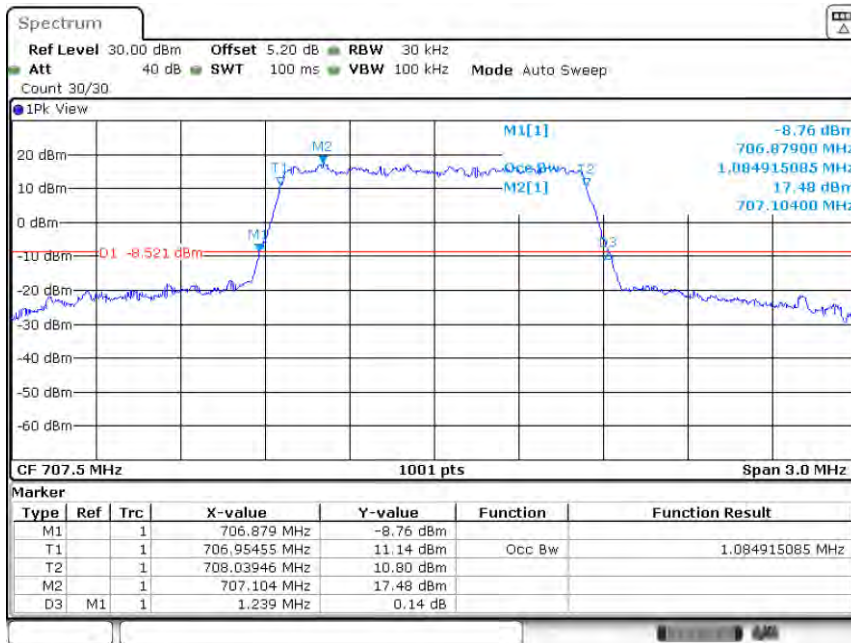


Date: 18 MAY 2021 06:27:19



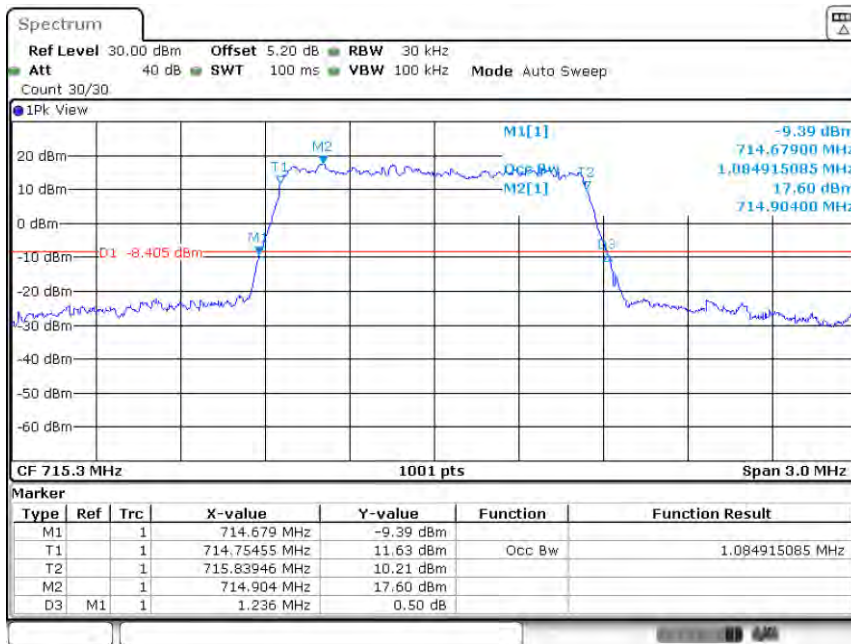
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Band12-1.4MHz-16QAM-23095-6RB#0-1.085



Date: 18 MAY.2021 06:27:45

Band12-1.4MHz-16QAM-23173-6RB#0-1.085

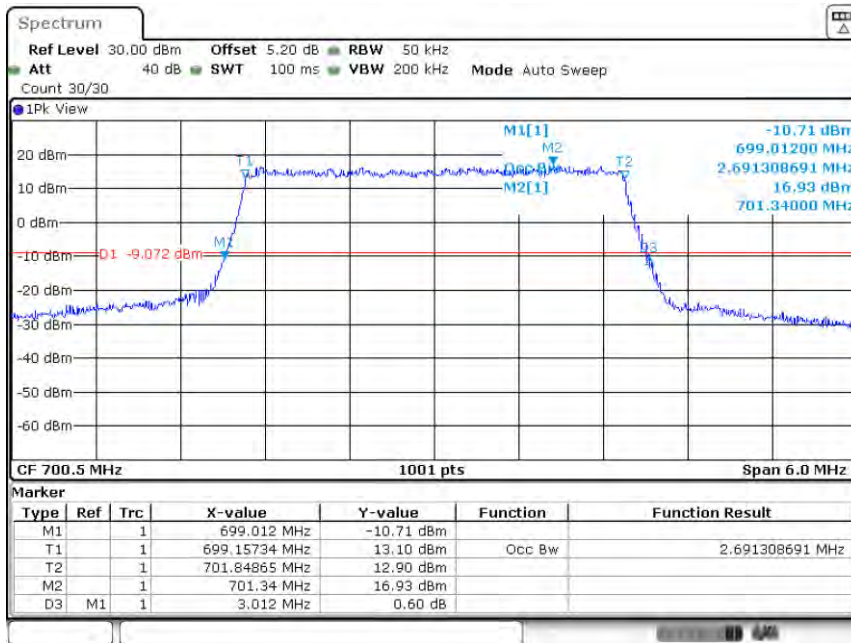


Date: 18 MAY.2021 06:28:11



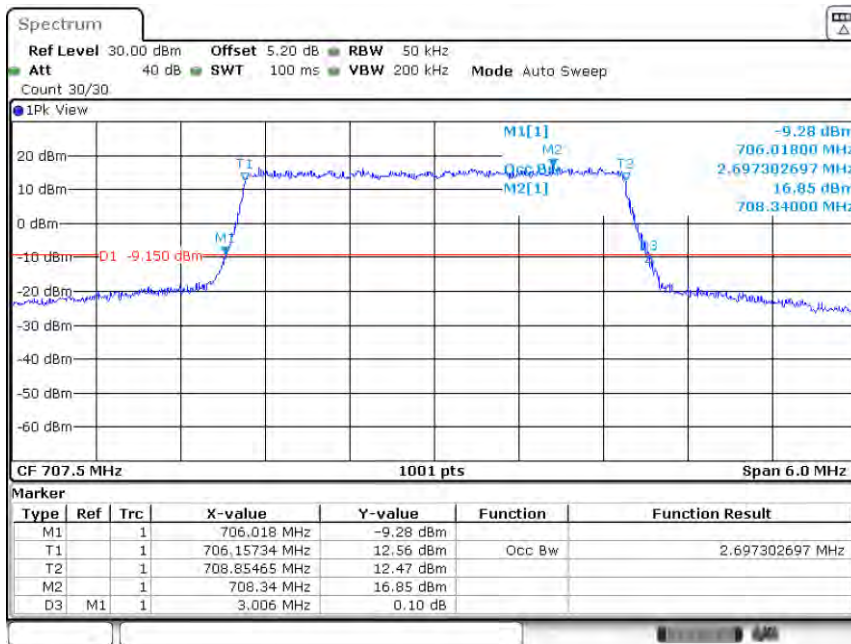
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Band12-3MHz-QPSK-23025-15RB#0-2.691



Date: 18 MAY.2021 06:28:29

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

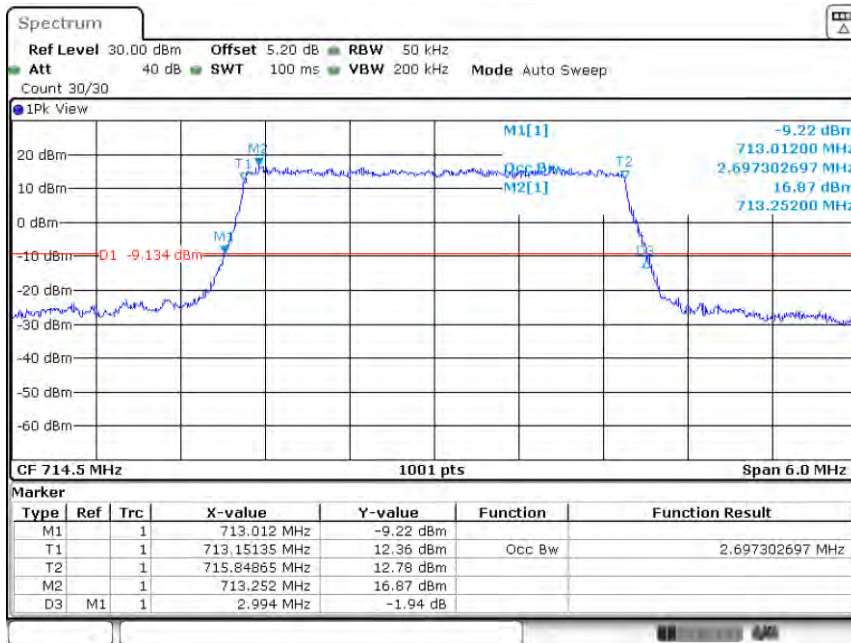


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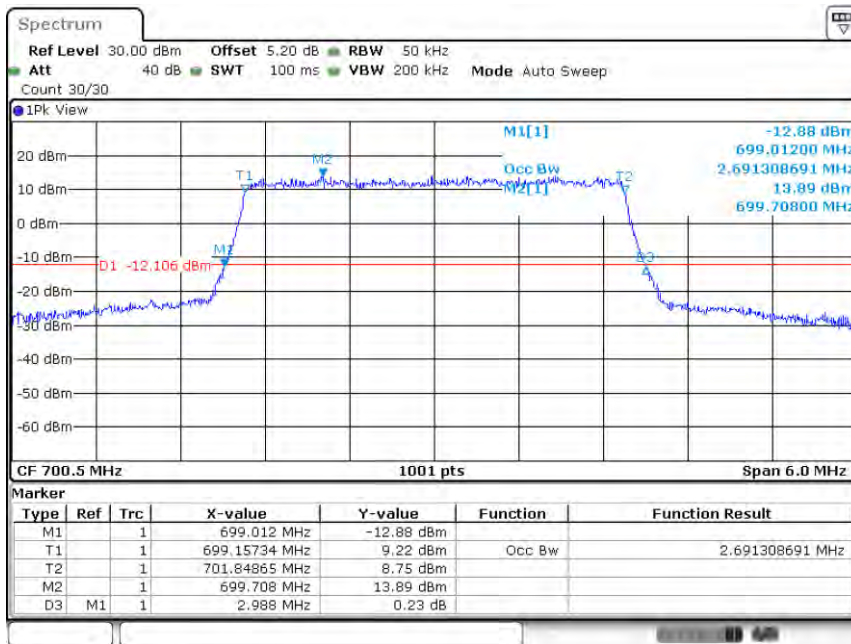
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Band12-3MHz-QPSK-23165-15RB#0-2.697



Date: 18 MAY 2021 06:29:20

Band12-3MHz-64QAM-23025-15RB#0-2.691



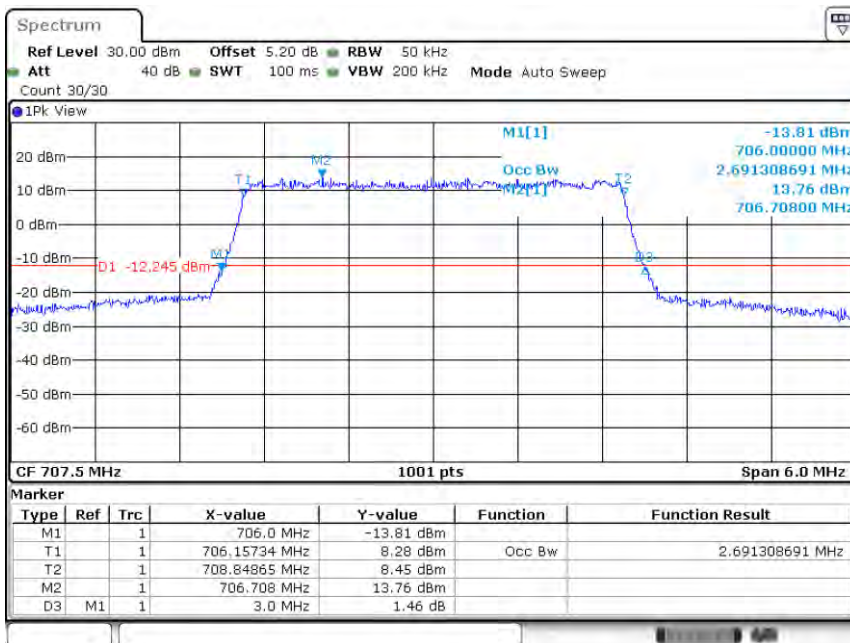
Date: 21 JUN 2021 02:57:47



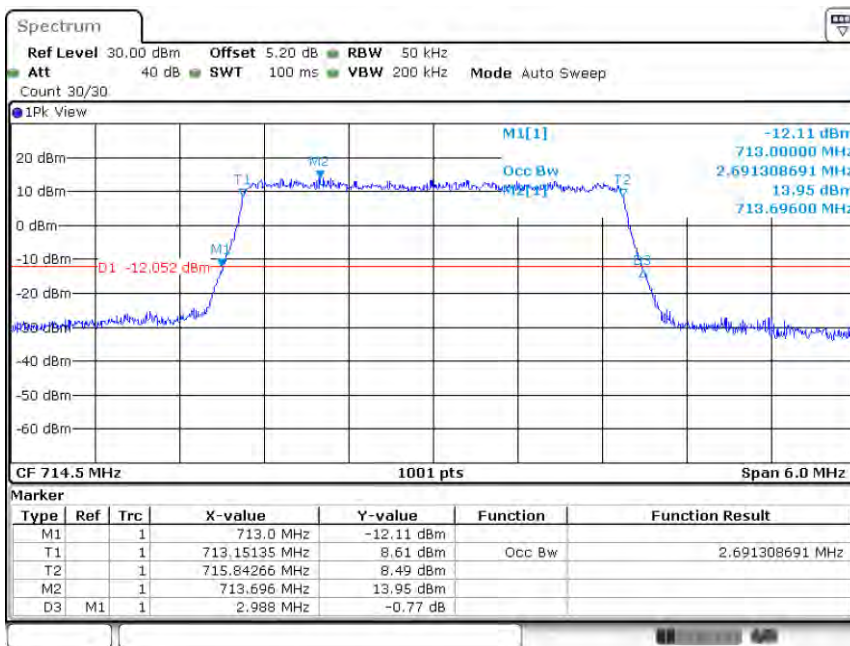
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Band12-3MHz-64QAM-23095-15RB#0-2.691



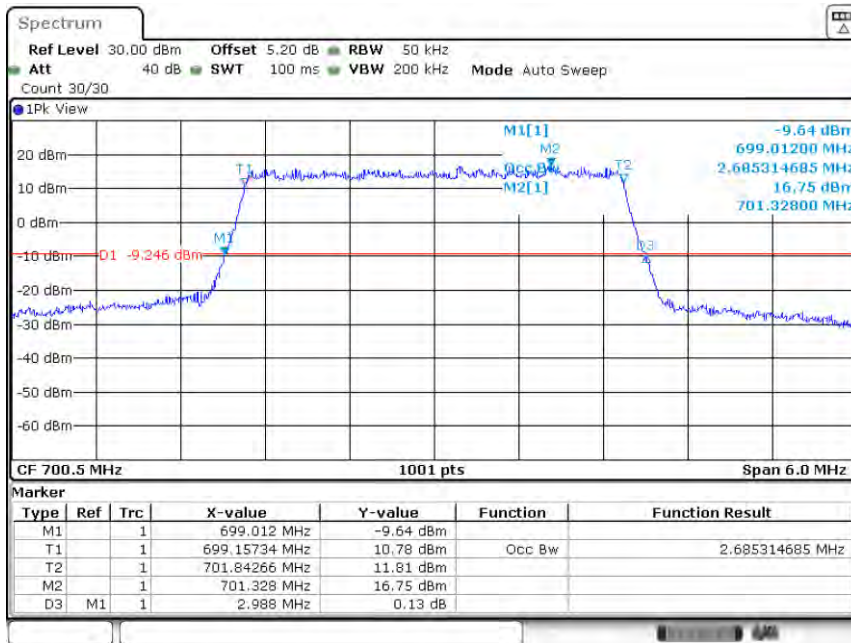
Band12-3MHz-64QAM-23165-15RB#0-2.691



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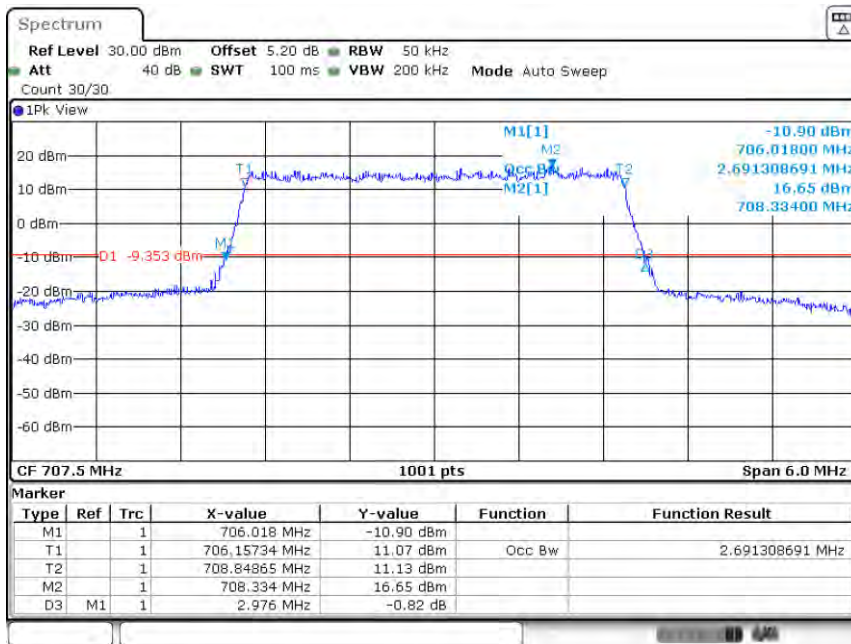


Band12-3MHz-16QAM-23025-15RB#0-2.685



Date: 18 MAY.2021 06:28:41

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

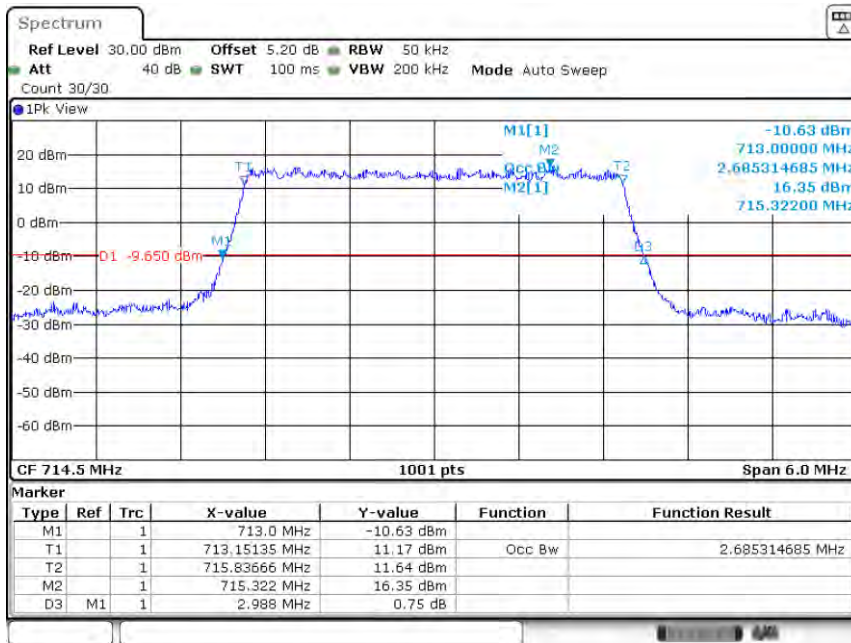


Date: 18 MAY.2021 06:29:07



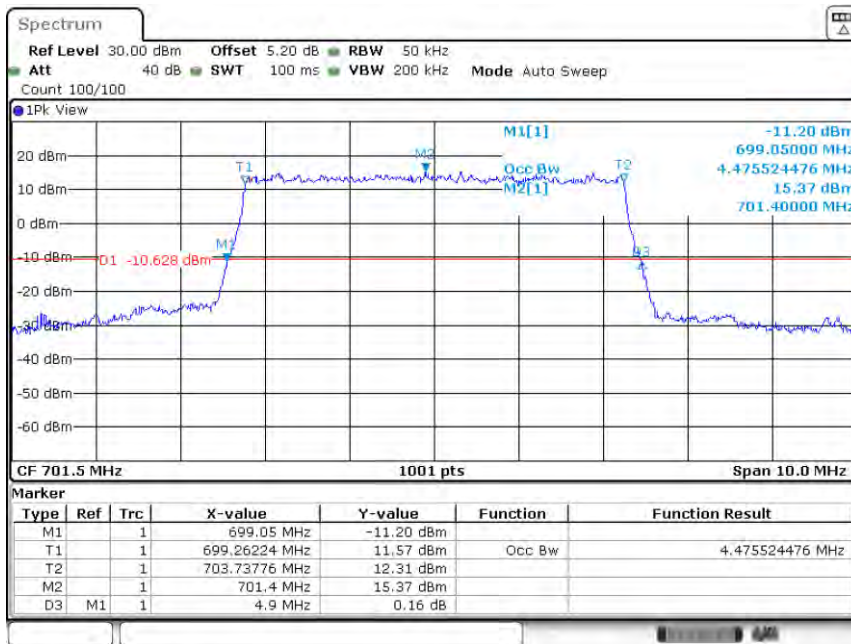
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Band12-3MHz-16QAM-23165-15RB#0-2.685



Date: 18 MAY.2021 06:29:33

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

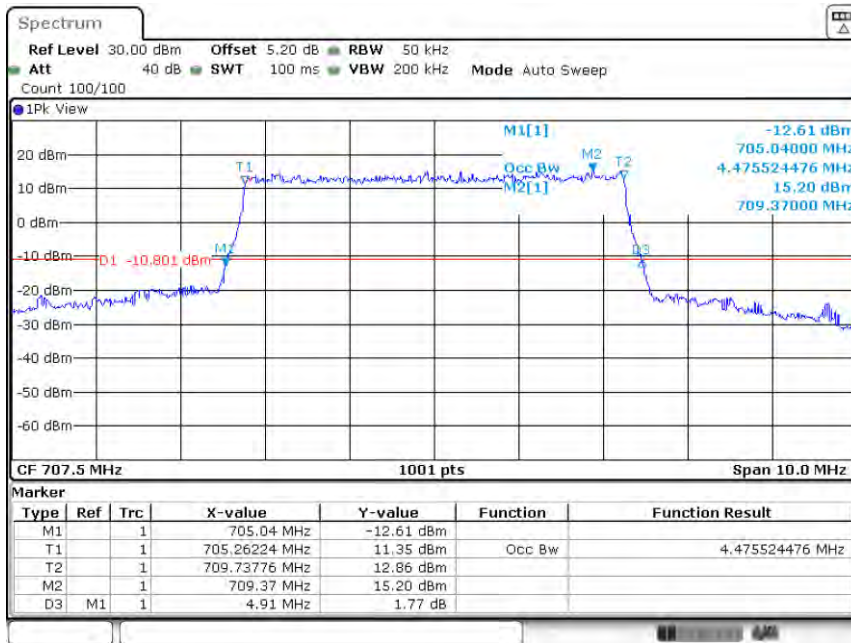


Date: 18 MAY.2021 06:29:57



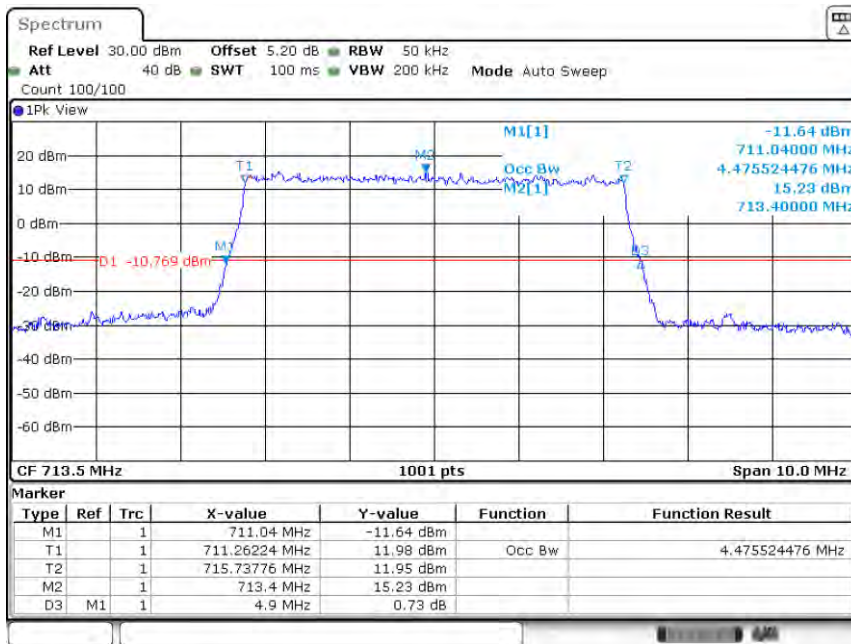
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Band12-5MHz-QPSK-23095-25RB#0-4.476



Date: 18 MAY.2021 06:30:37

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

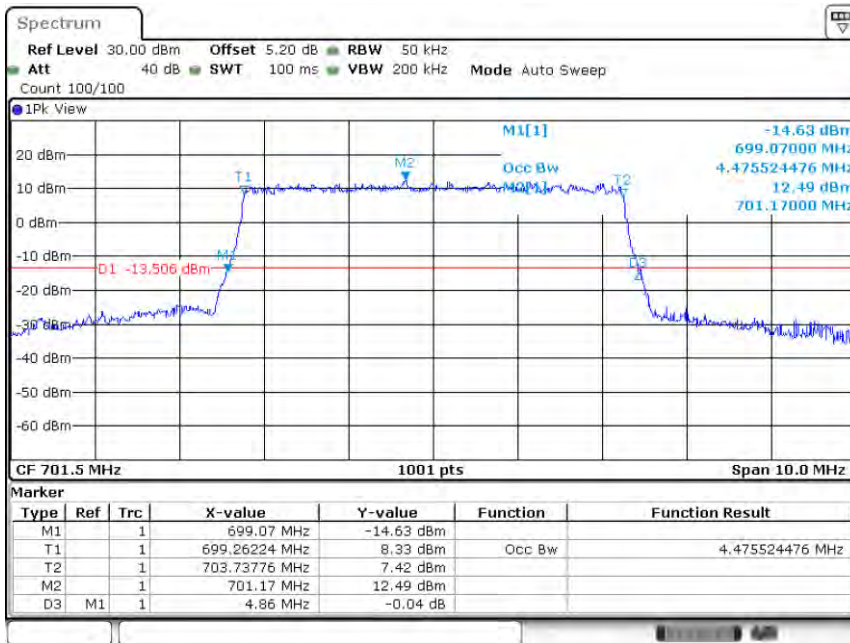


Date: 18 MAY.2021 06:31:17



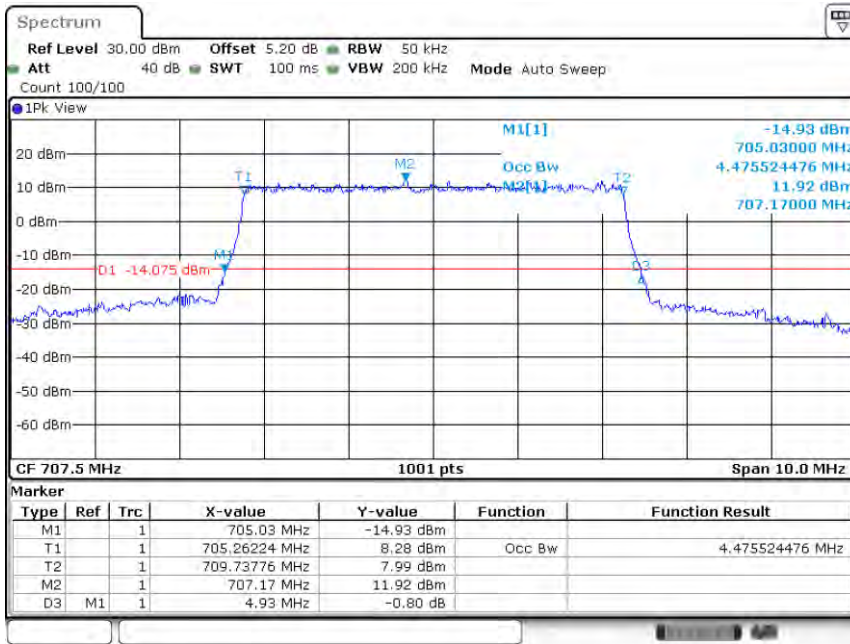
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Band12-5MHz-64QAM-23035-25RB#0-4.476



Date: 21 JUN 2021 02:58:37

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



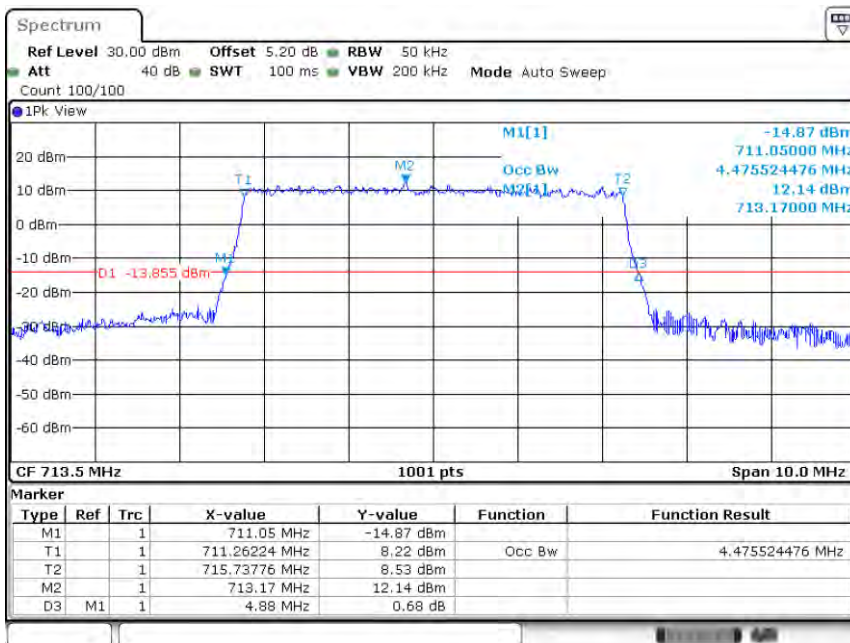
Date: 21 JUN 2021 02:58:57



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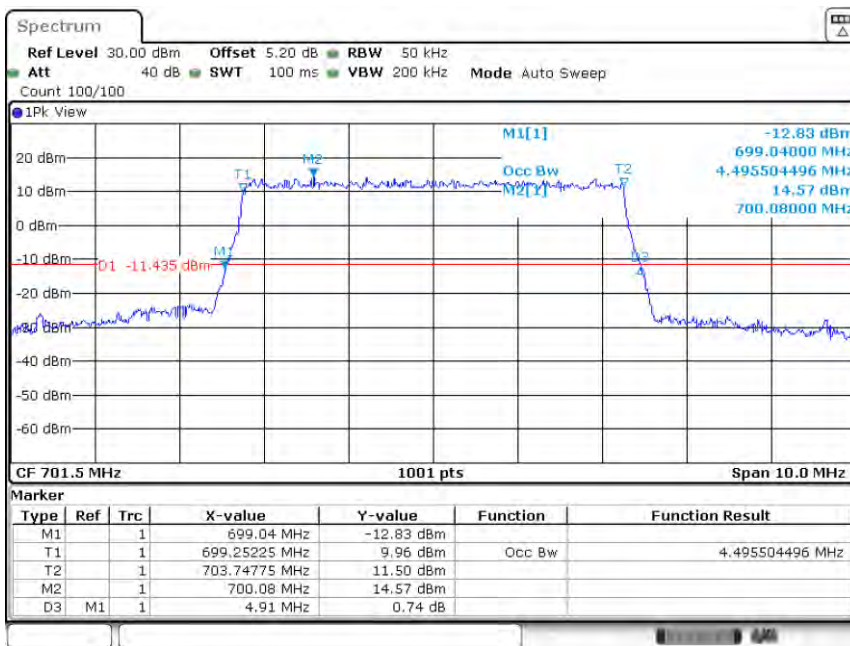


Band12-5MHz-64QAM-23155-25RB#0-4.476



Date: 21 JUN 2021 02:59:17

Band12-5MHz-16QAM-23035-25RB#0-4.496

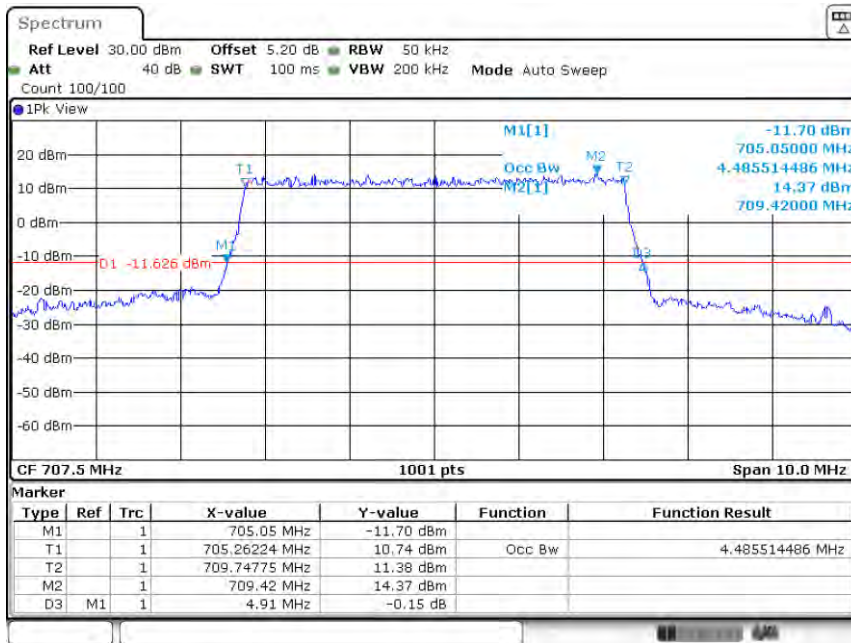


Date: 18 MAY 2021 06:30:17



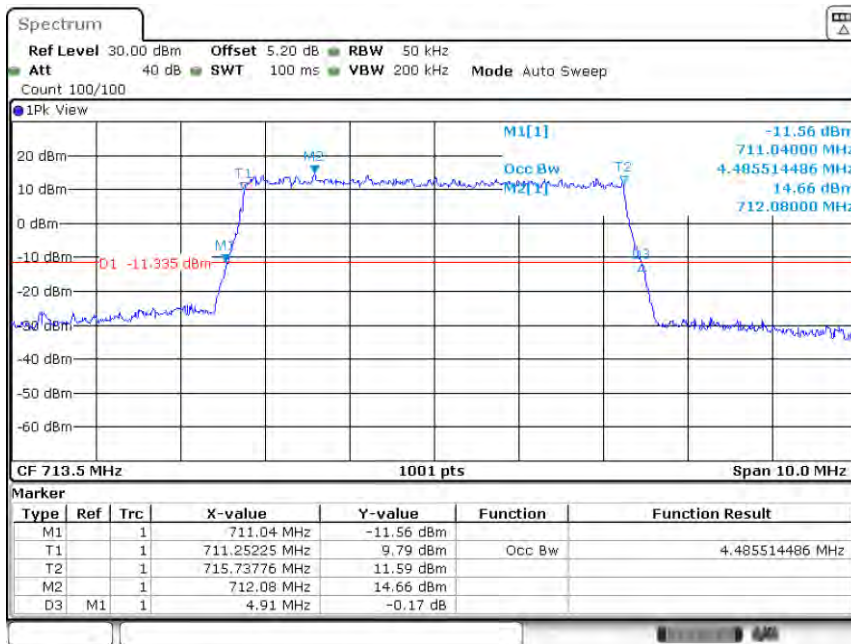
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Band12-5MHz-16QAM-23095-25RB#0-4.486



Date: 18 MAY.2021 06:30:57

Band12-5MHz-16QAM-23155-25RB#0-4.486

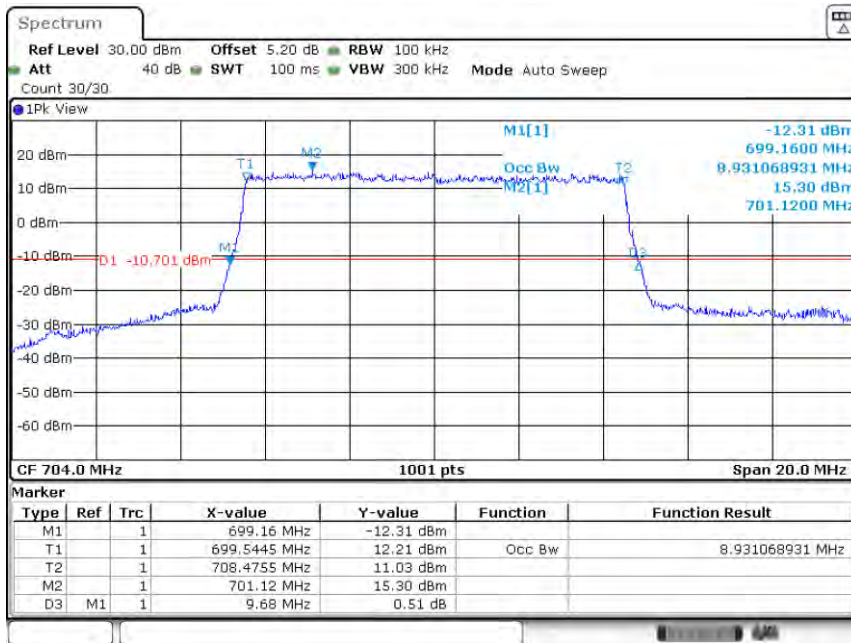


Date: 18 MAY.2021 06:31:37



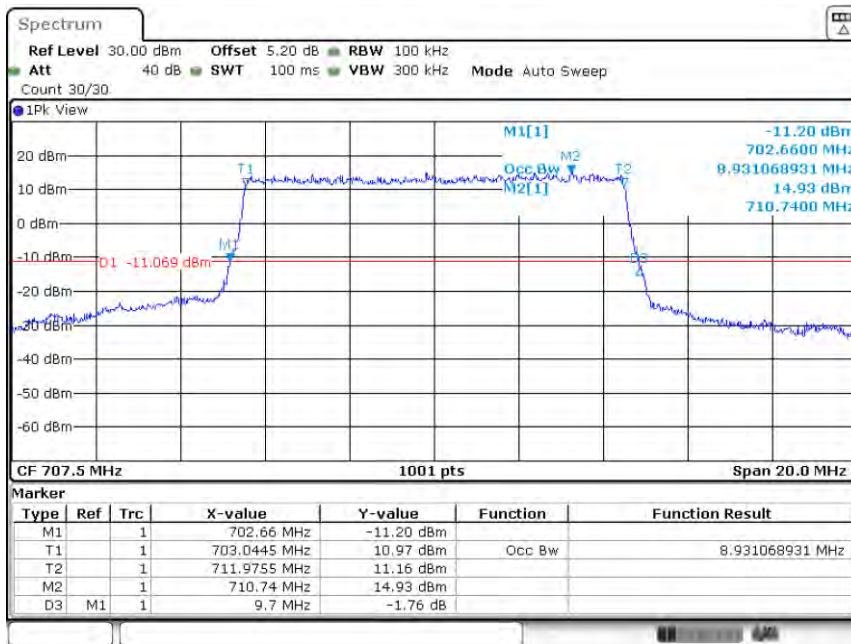
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Band12-10MHz-QPSK-23060-50RB#0-8.931



Date: 18 MAY.2021 06:31:55

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

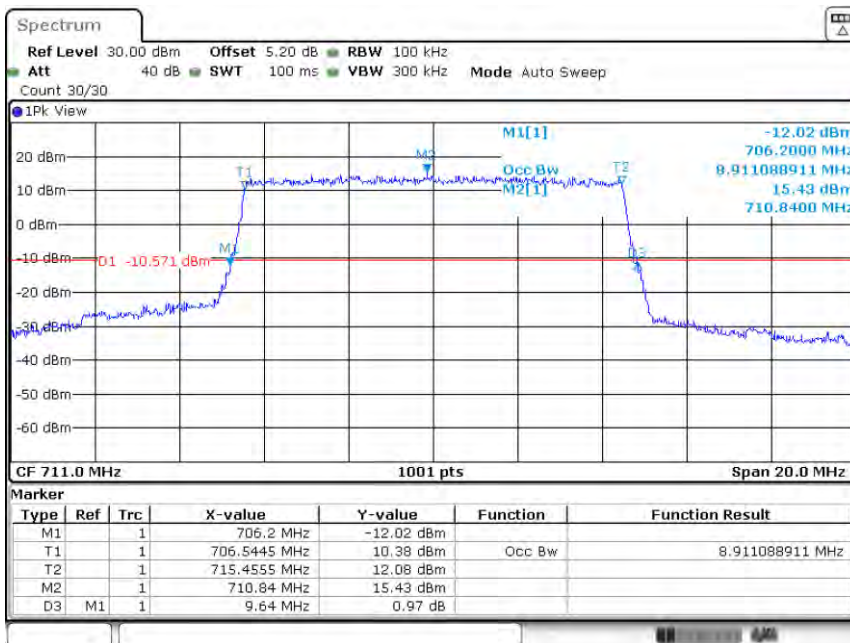


Date: 18 MAY.2021 06:32:21



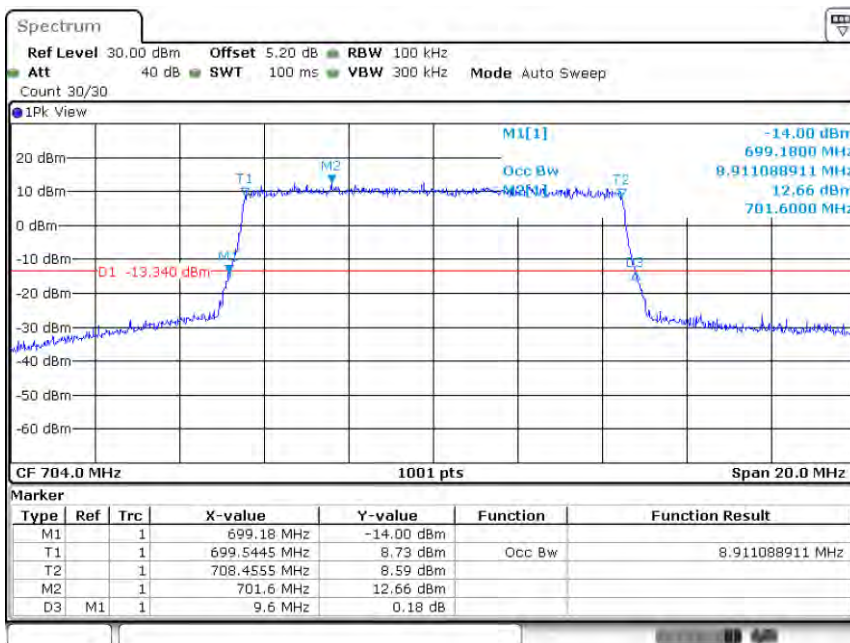


Band12-10MHz-QPSK-23130-50RB#0-8.911



Date: 18 MAY 2021 06:32:47

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



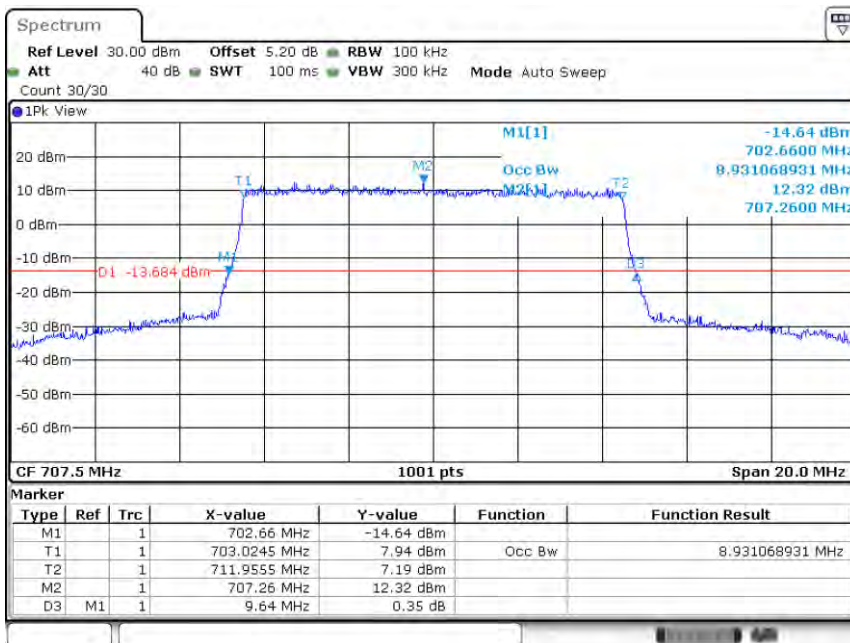
Date: 21 JUN 2021 02:59:35



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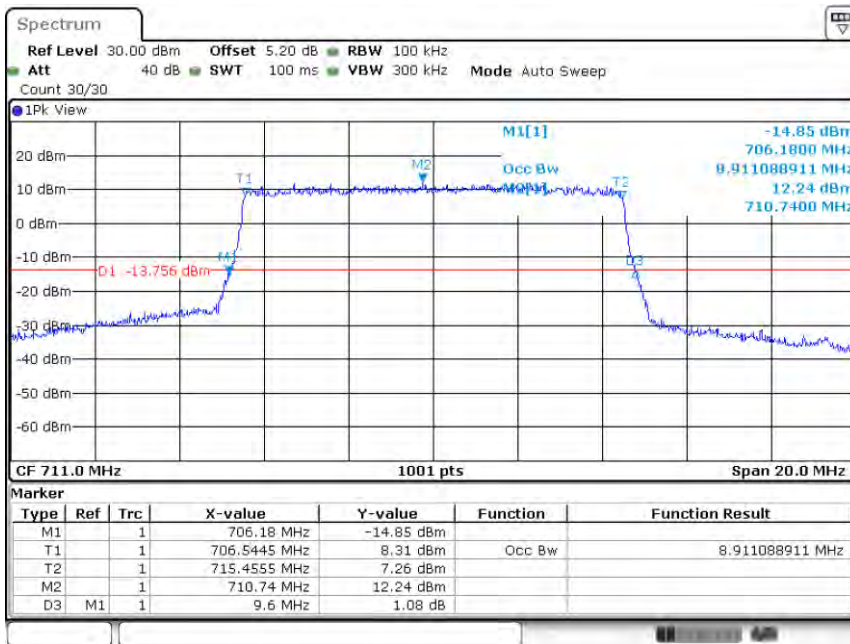


Band12-10MHz-64QAM-23095-50RB#0-8.931



Date: 21 JUN 2021 02:59:48

Band12-10MHz-64QAM-23130-50RB#0-8.911

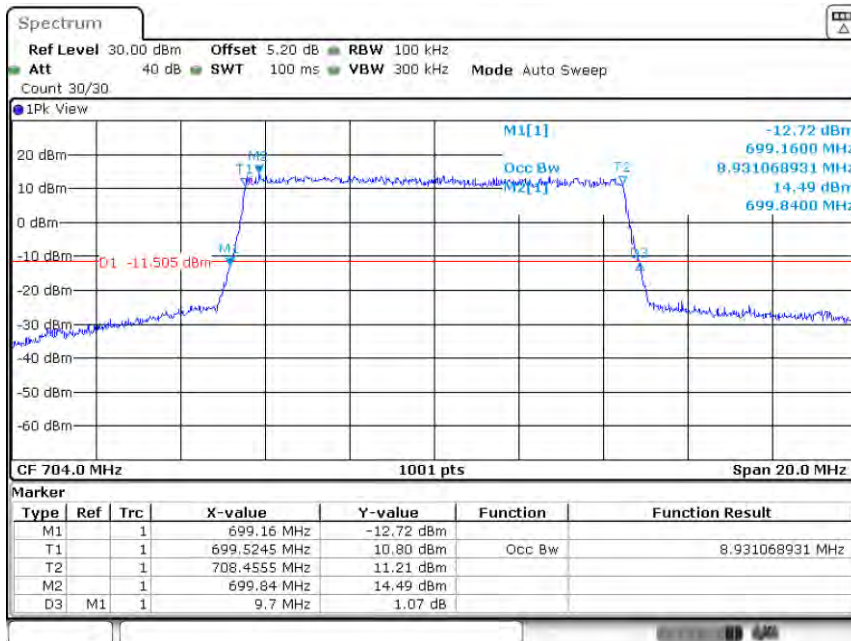


Date: 21 JUN 2021 03:00:01



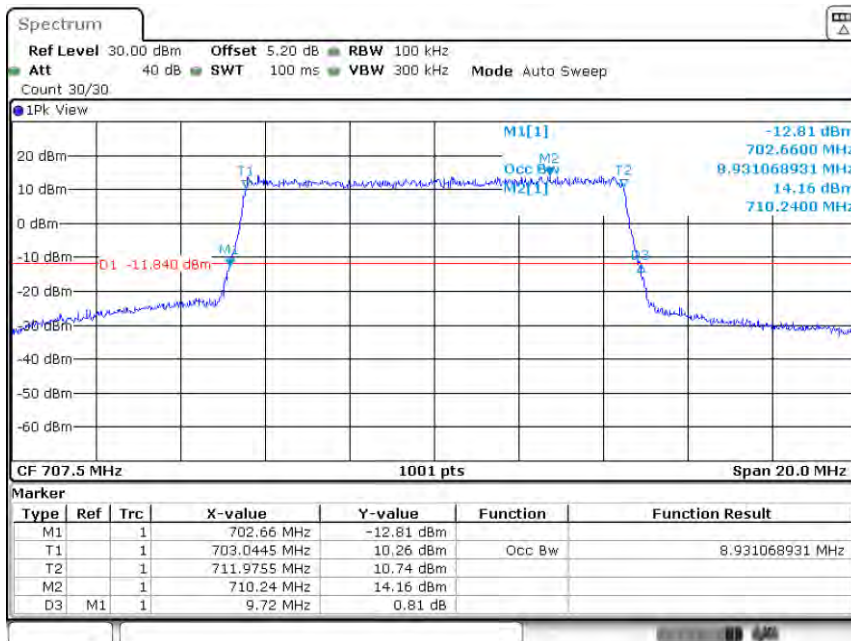
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Band12-10MHz-16QAM-23060-50RB#0-8.931



Date: 18 MAY.2021 06:32:08

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

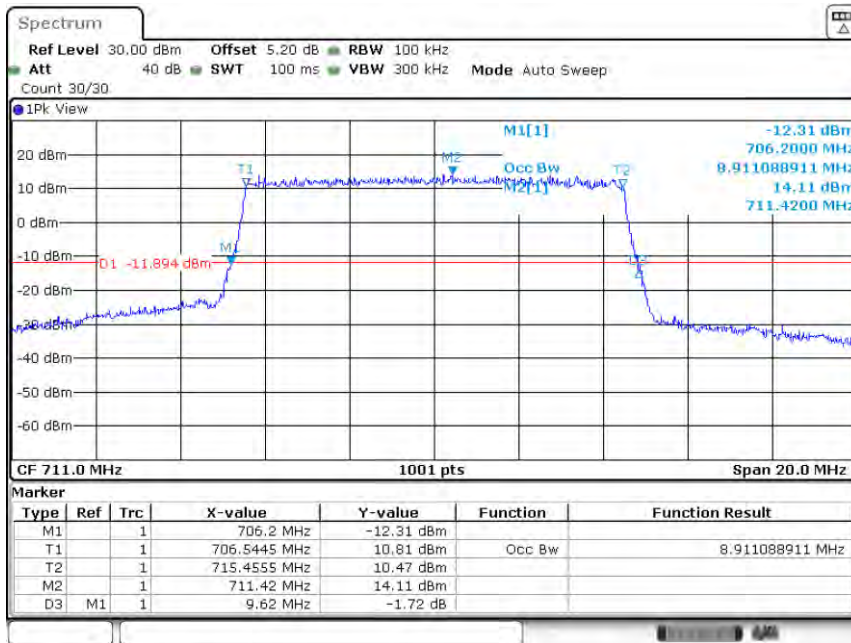


Date: 18 MAY.2021 06:32:34



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Band12-10MHz-16QAM-23130-50RB#0-8.911



Date: 18 MAY 2021 06:33:00

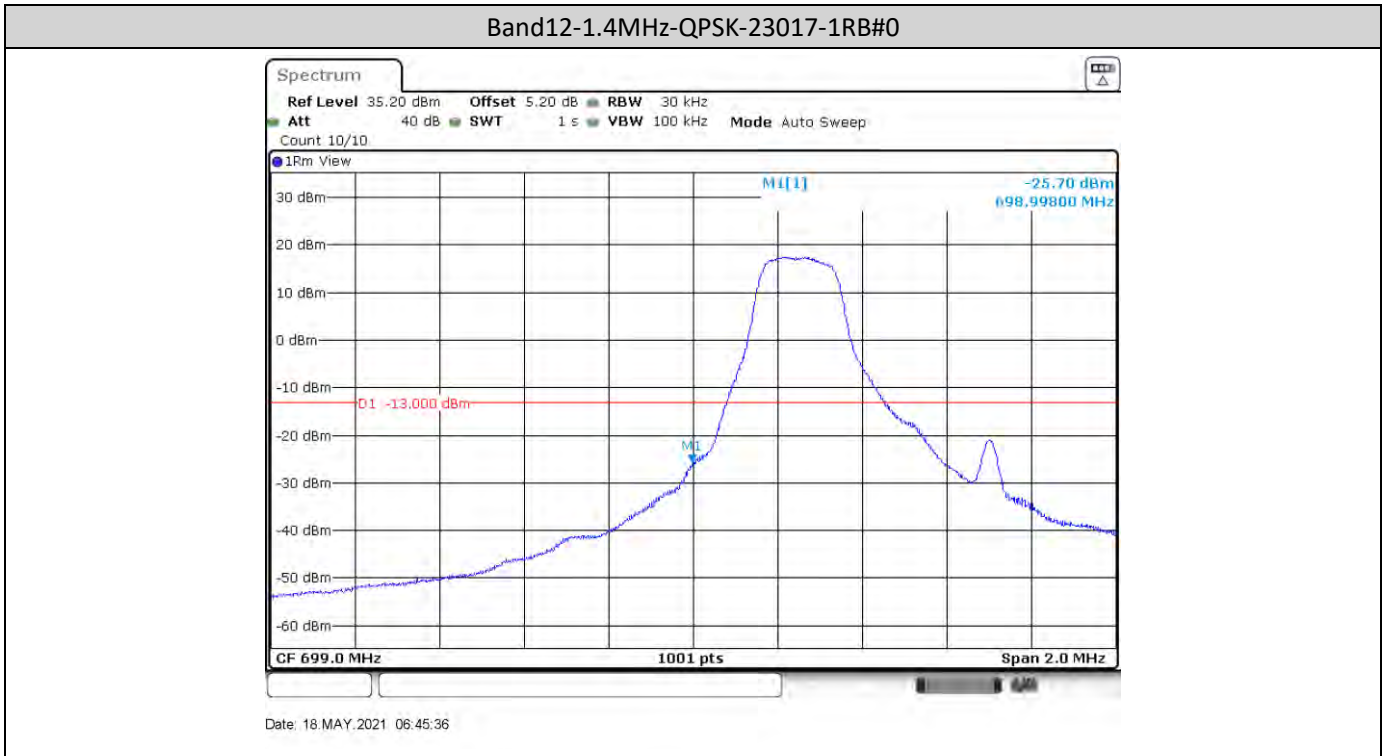


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5. Band Edge Compliance

5.1. Test Plots



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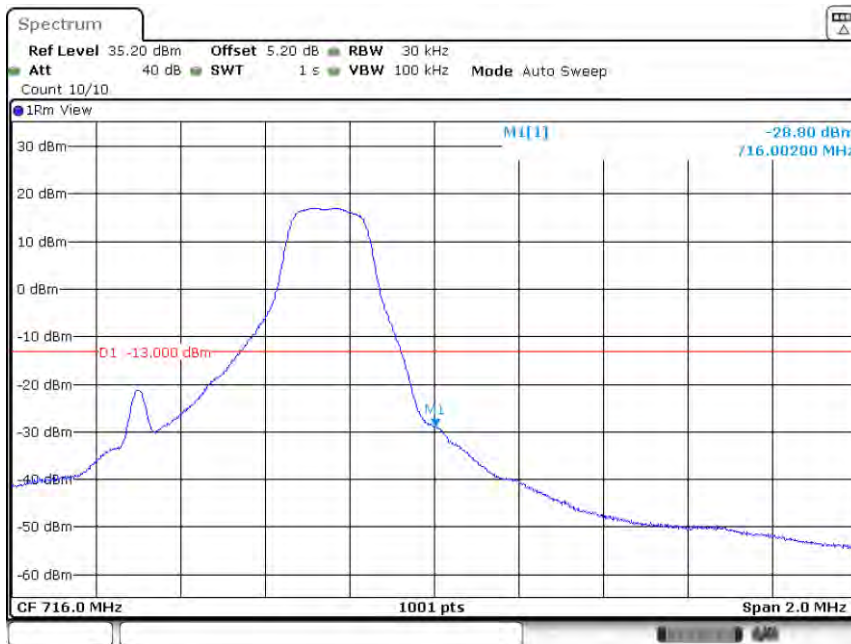


Band12-1.4MHz-QPSK-23017-6RB#0



Date: 18 MAY.2021 06:46:17

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

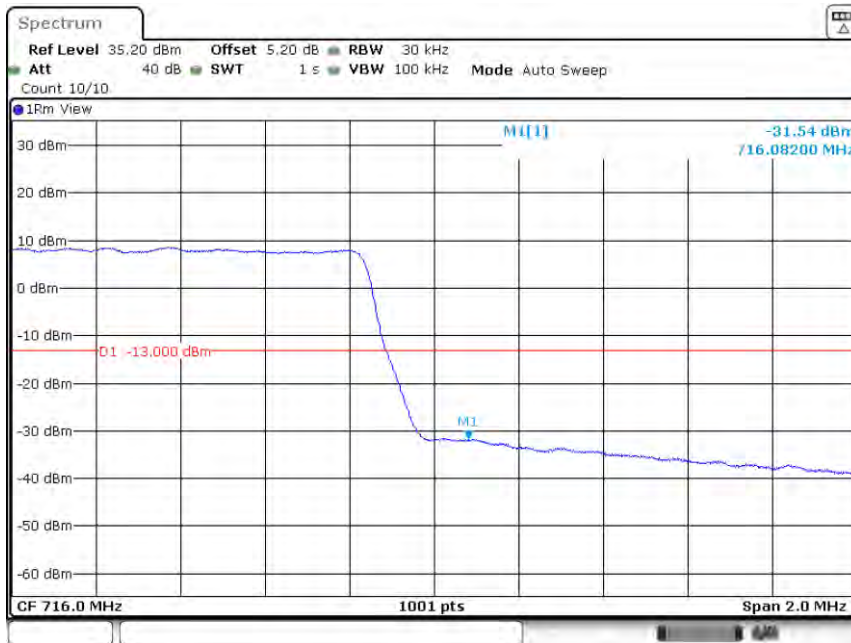


Date: 18 MAY.2021 06:47:03



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



Date: 18 MAY 2021 06:47:44

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



Date: 21 JUN 2021 03:00:26



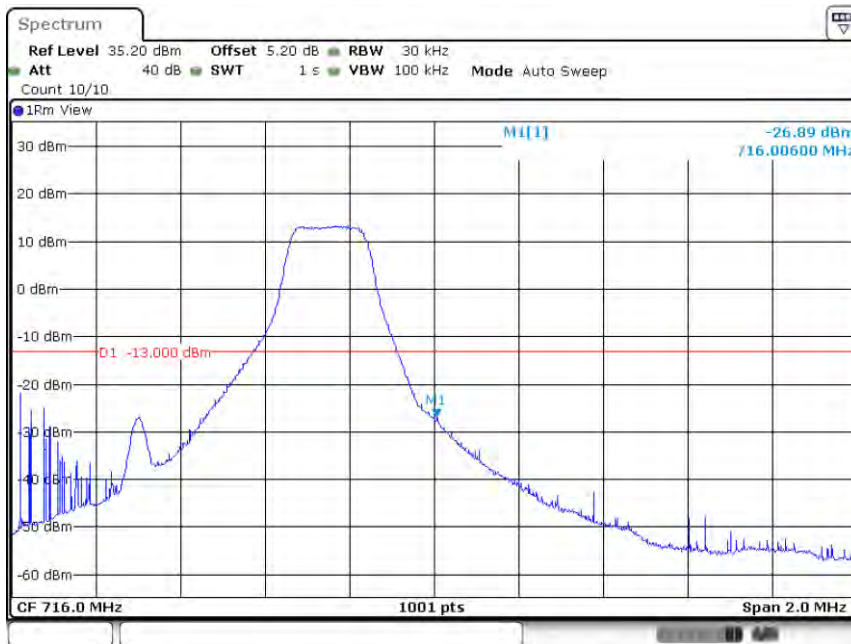
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Band12-1.4MHz-64QAM-23017-6RB#0



Date: 21 JUN 2021 03:00:47

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



Date: 21 JUN 2021 03:01:16



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



Date: 21 JUN 2021 03:01:42

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



Date: 18 MAY 2021 06:45:57



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



Date: 18 MAY.2021 06:46:38

Band12-1.4MHz-16QAM-23173-1RB#5



Date: 18 MAY.2021 06:47:23



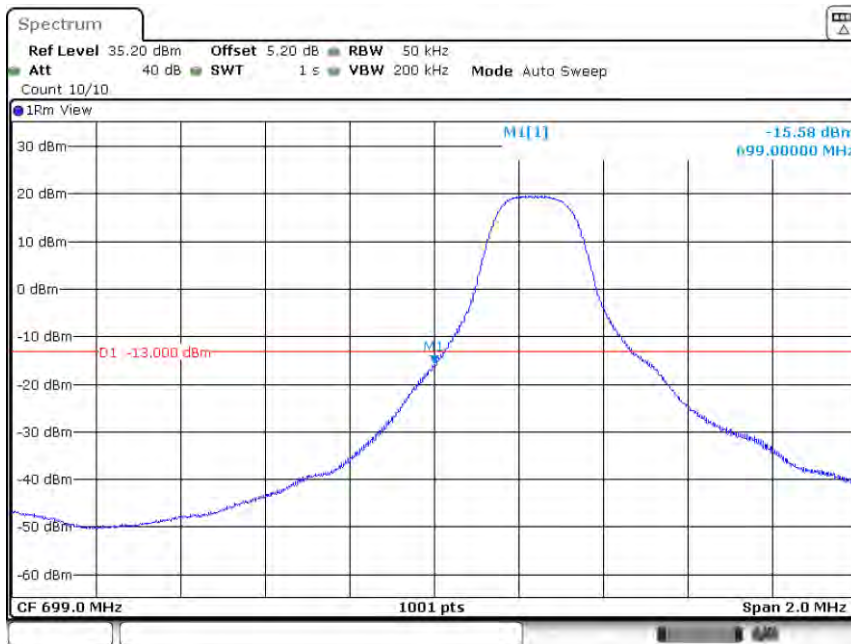
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Band12-1.4MHz-16QAM-23173-6RB#0



Date: 18 MAY.2021 06:48:04

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



Date: 18 MAY.2021 06:48:30



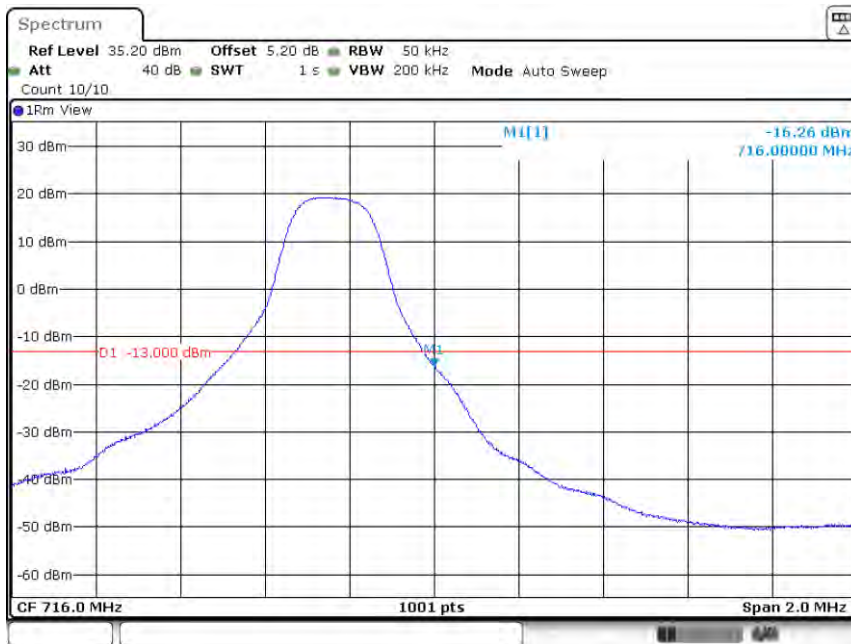
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Band12-3MHz-QPSK-23025-15RB#0



Date: 18 MAY.2021 06:49:11

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



Date: 18 MAY.2021 06:49:56



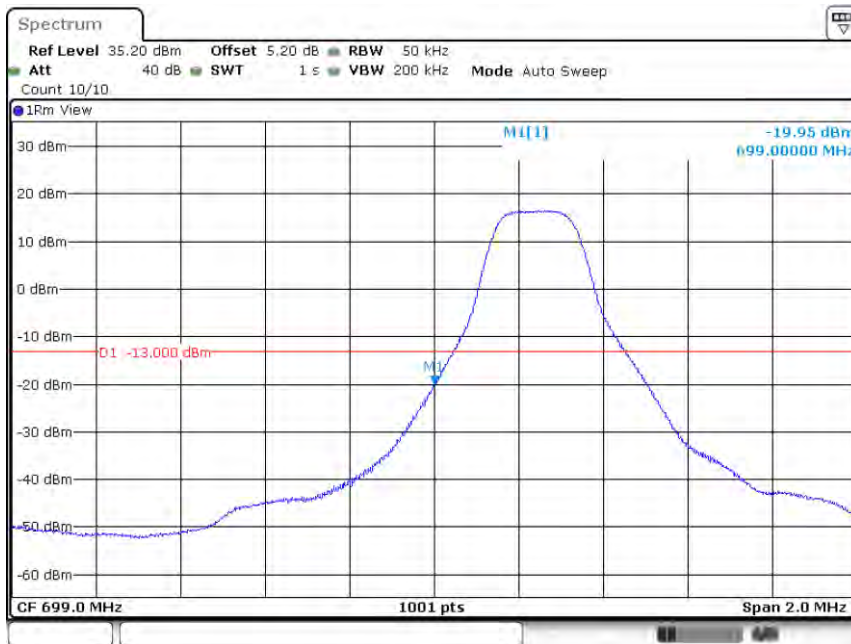
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Band12-3MHz-QPSK-23165-15RB#0



Date: 18 MAY 2021 06:50:37

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



Date: 21 JUN 2021 03:02:08



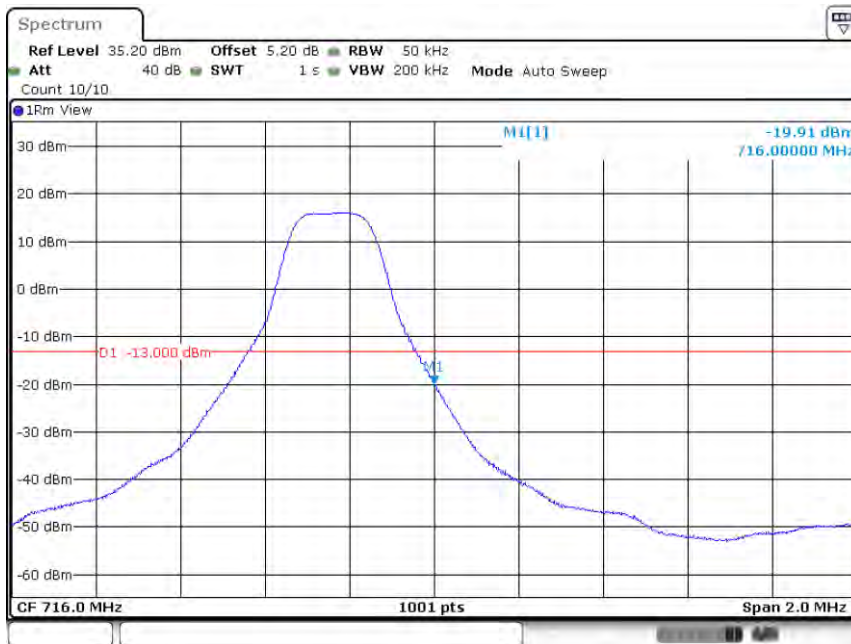
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Band12-3MHz-64QAM-23025-15RB#0



Date: 21 JUN 2021 03:02:28

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



Date: 21 JUN 2021 03:02:53



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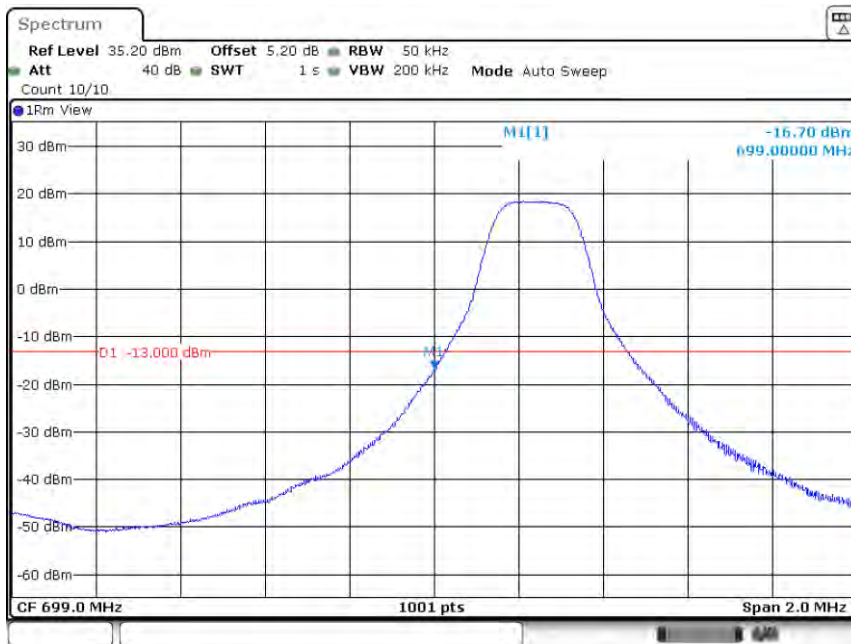


Band12-3MHz-64QAM-23165-15RB#0



Date: 21 JUN 2021 03:03:13

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



Date: 18 MAY 2021 06:48:50



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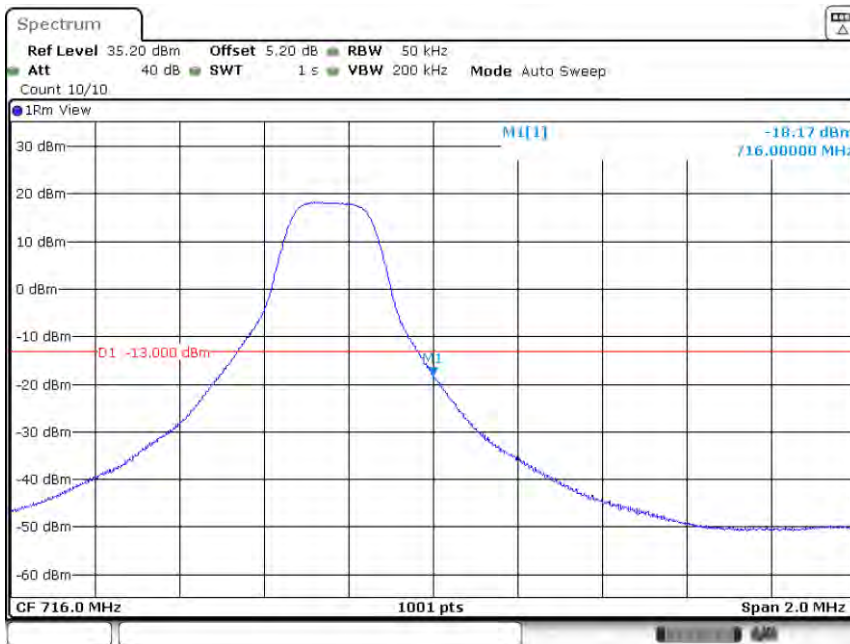


Band12-3MHz-16QAM-23025-15RB#0



Date: 18 MAY.2021 06:49:31

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



Date: 18 MAY.2021 06:50:17



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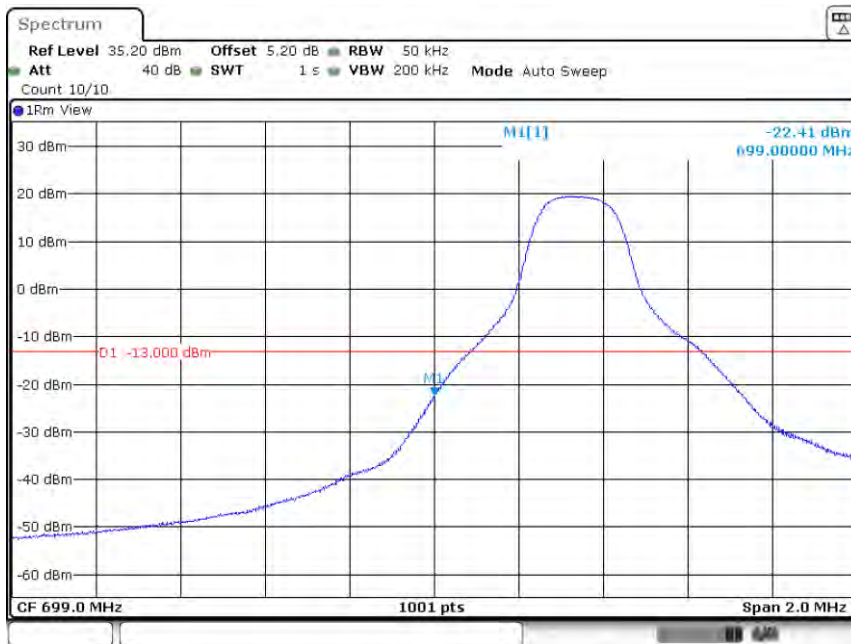


Band12-3MHz-16QAM-23165-15RB#0



Date: 18 MAY.2021 06:50:58

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

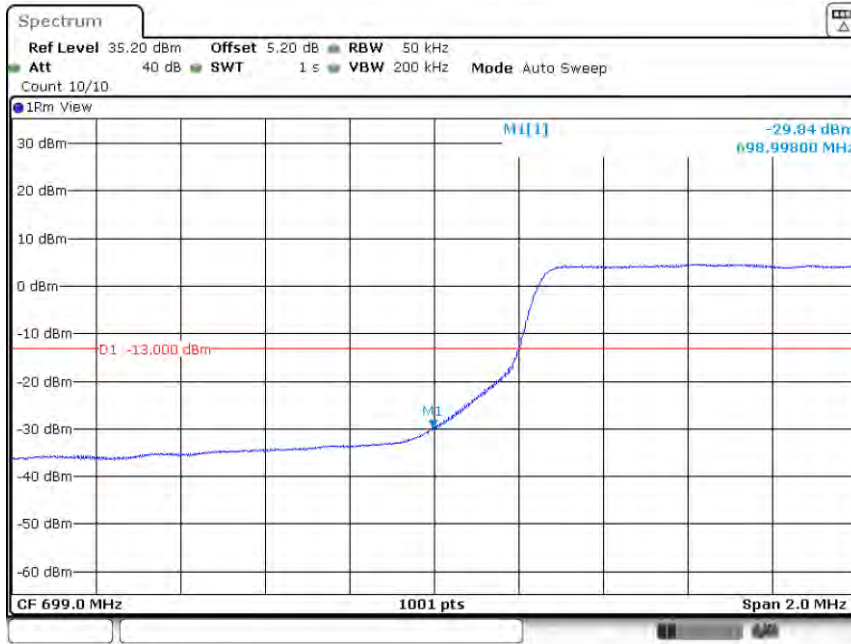


Date: 18 MAY.2021 06:51:23



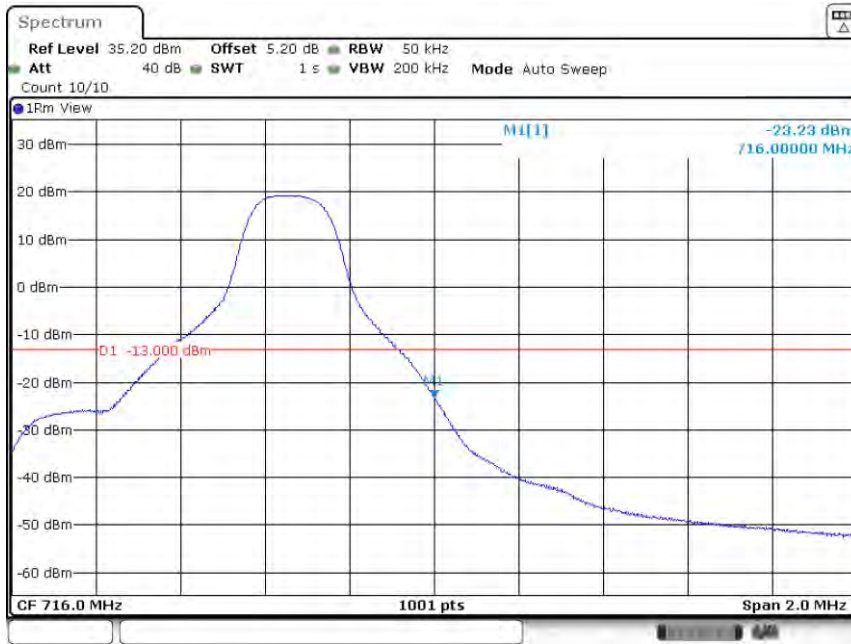
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Band12-5MHz-QPSK-23035-25RB#0



Date: 18 MAY.2021 06:52:04

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



Date: 18 MAY.2021 06:52:50



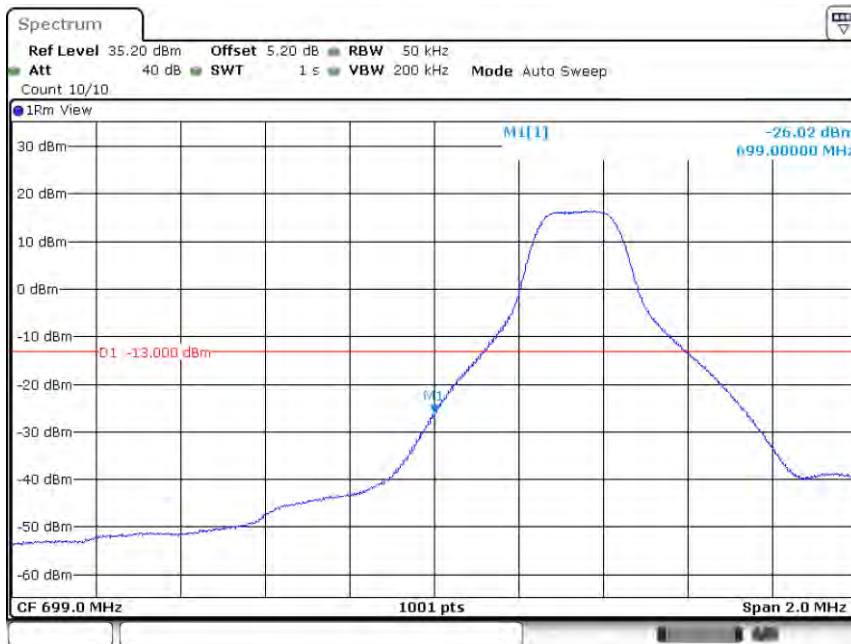
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Band12-5MHz-QPSK-23155-25RB#0



Date: 18 MAY 2021 06:53:31

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



Date: 21 JUN 2021 03:03:39



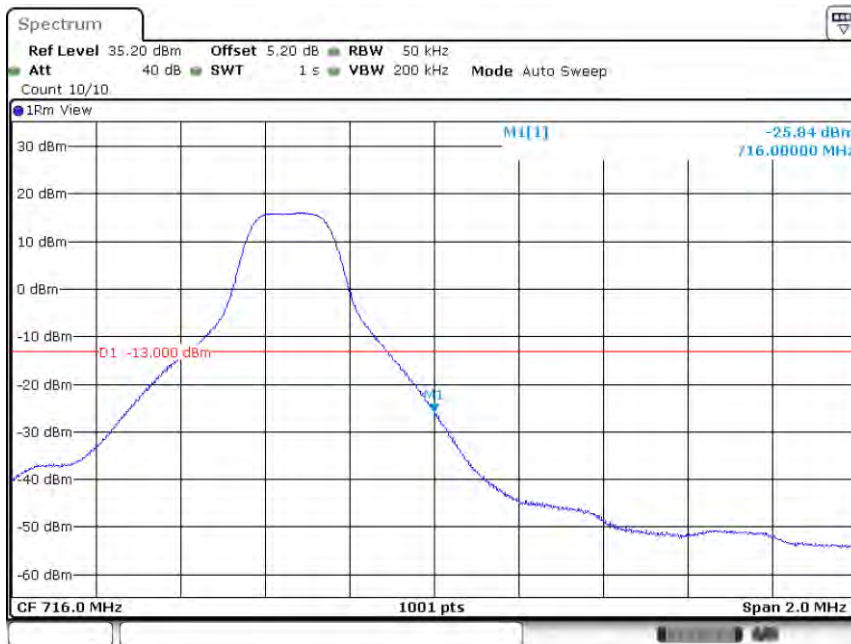
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Band12-5MHz-64QAM-23035-25RB#0



Date: 21 JUN 2021 03:04:01

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



Date: 21 JUN 2021 03:04:26



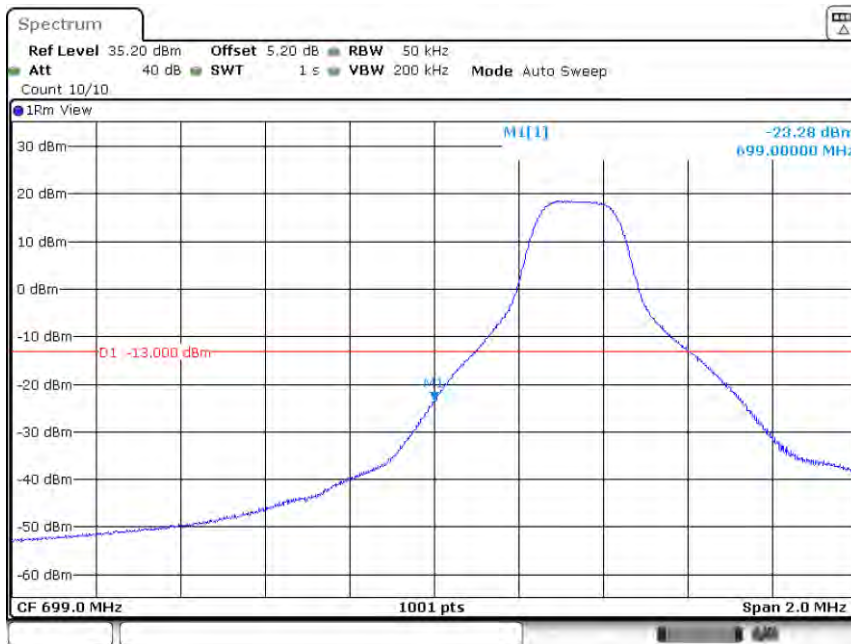
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Band12-5MHz-64QAM-23155-25RB#0



Date: 21 JUN 2021 03:04:46

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



Date: 18 MAY 2021 06:51:44



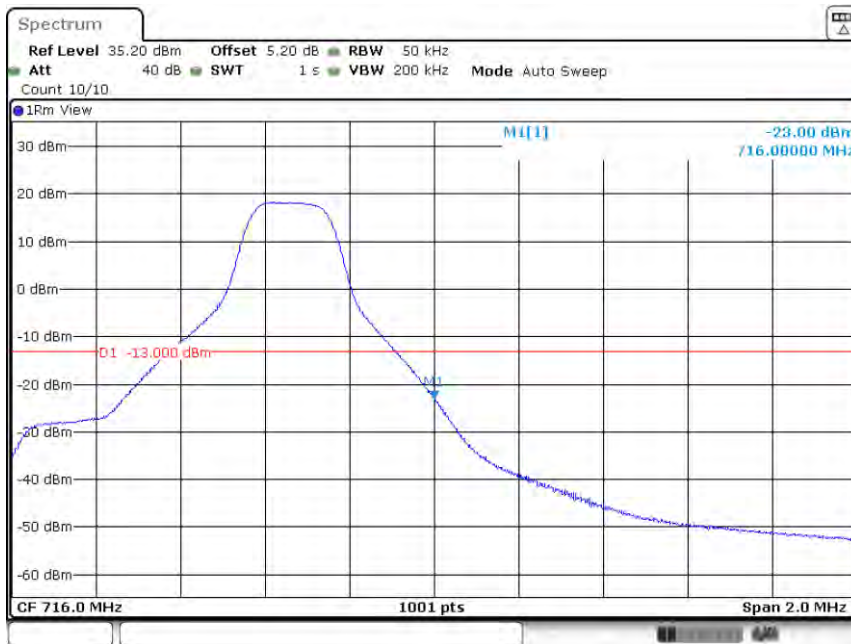
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Band12-5MHz-16QAM-23035-25RB#0



Date: 18 MAY 2021 06:52:25

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



Date: 18 MAY 2021 06:53:11



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



Date: 18 MAY.2021 06:53:52

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



Date: 18 MAY.2021 06:54:17



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



Date: 18 MAY.2021 06:54:58

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



Date: 18 MAY.2021 06:55:45



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



Date: 18 MAY 2021 06:56:27

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



Date: 21 JUN 2021 03:05:11



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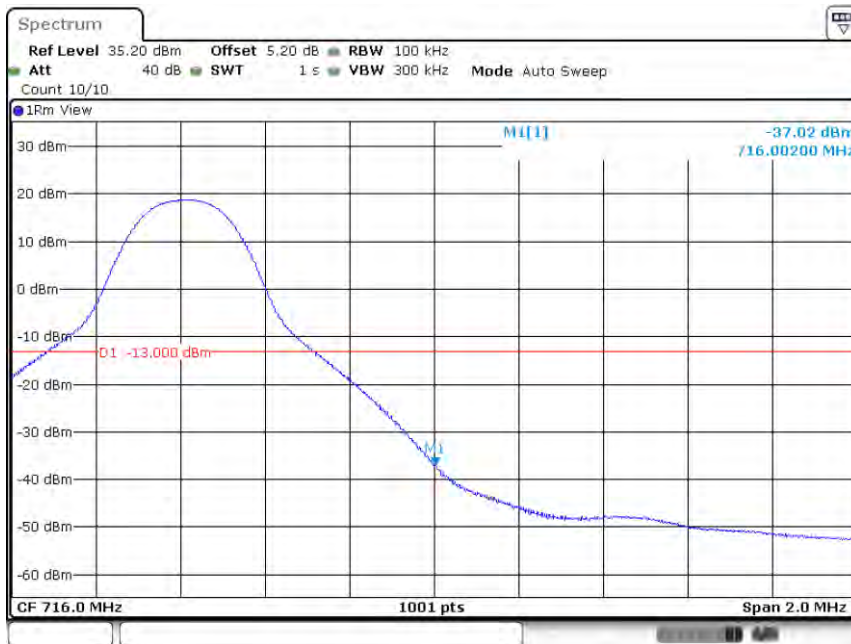


Band12-10MHz-64QAM-23060-50RB#0



Date: 21 JUN 2021 03:05:32

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



Date: 21 JUN 2021 03:05:57



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



Date: 21 JUN 2021 03:06:17

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

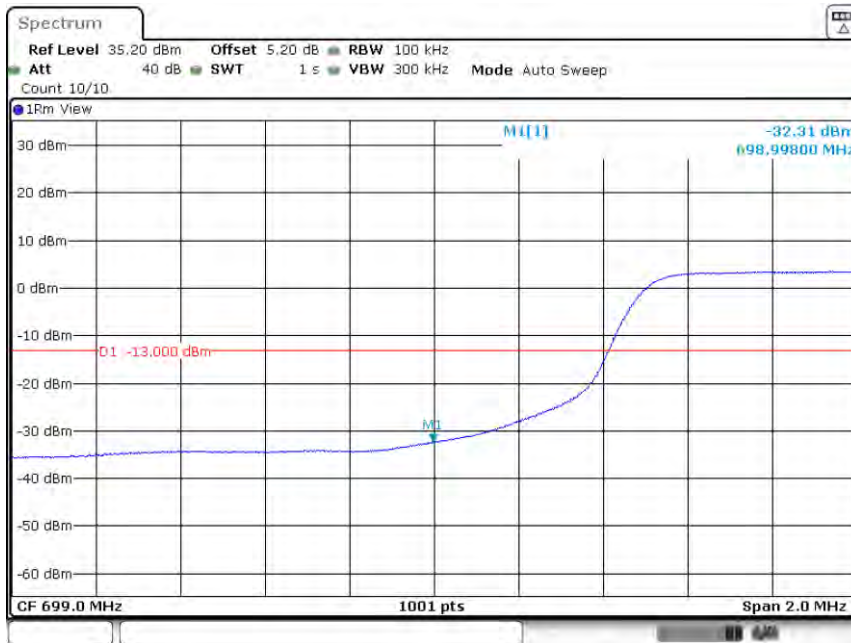


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Band12-10MHz-16QAM-23060-50RB#0



Date: 18 MAY.2021 06:55:19

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



Date: 18 MAY.2021 06:56:06



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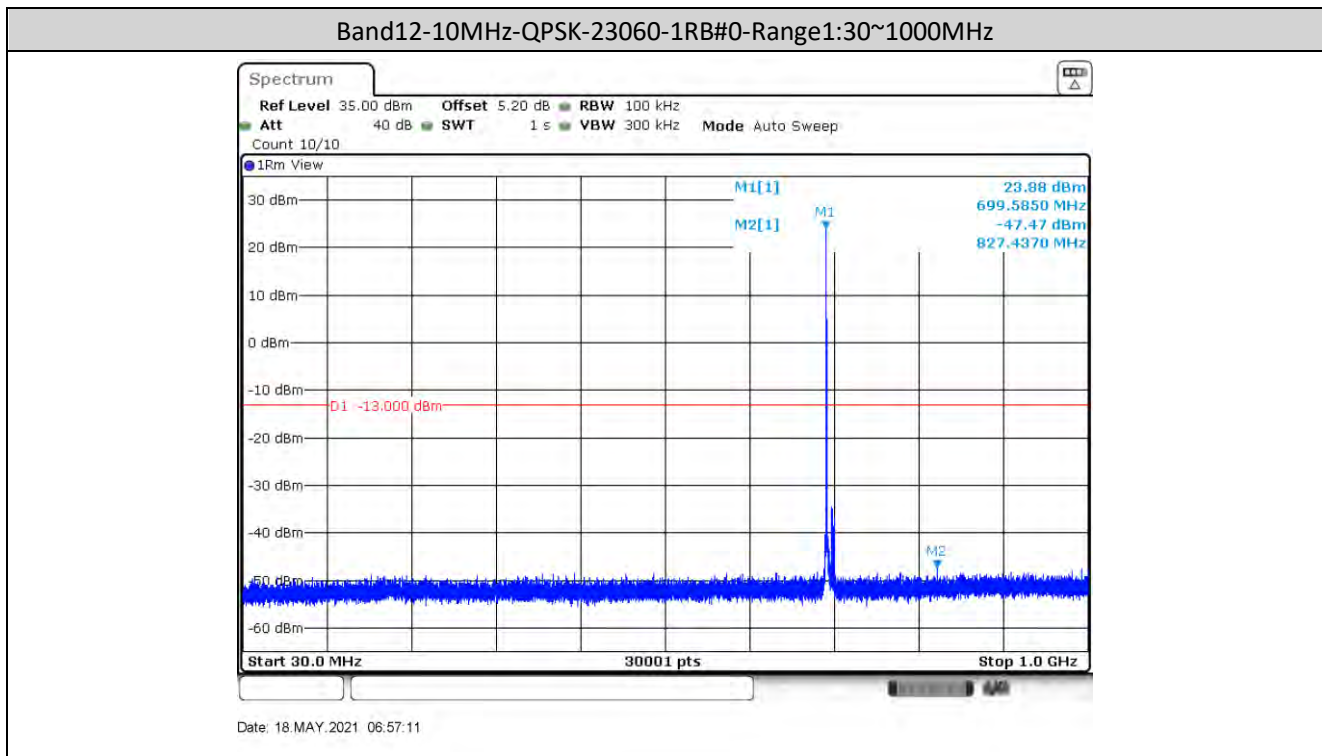
6. Spurious Emission at Antenna Terminal

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.

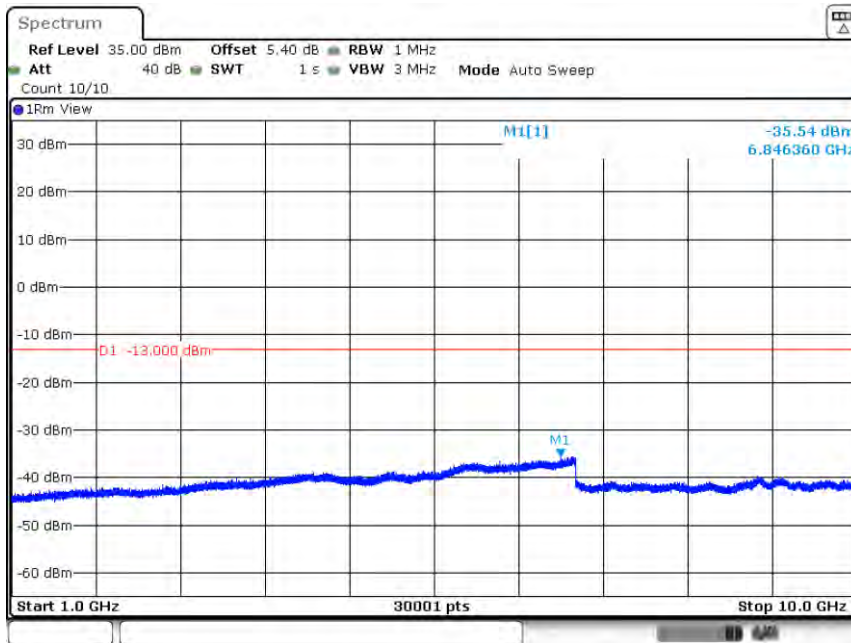
6.1. Test Plots



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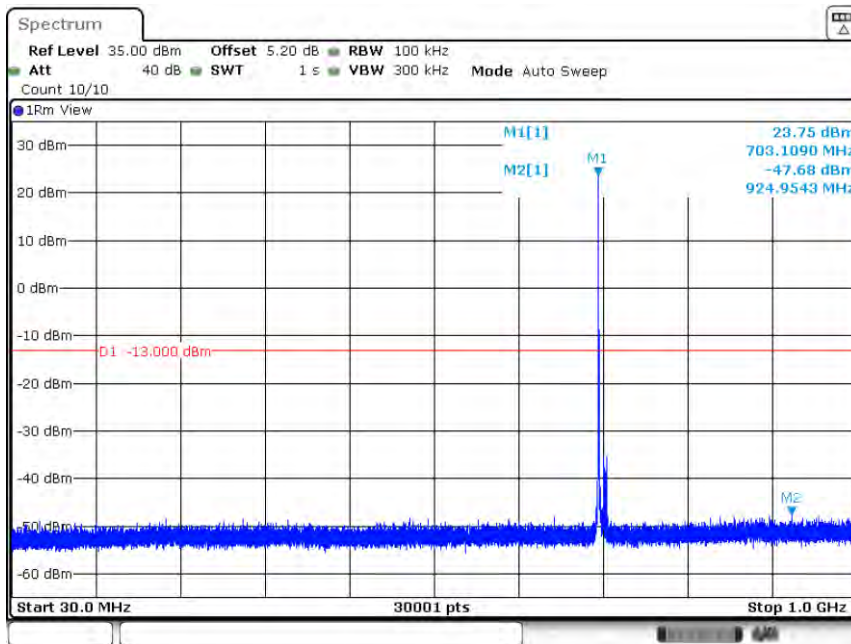
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Band12-10MHz-QPSK-23060-1RB#0-Range2:100~10000MHz



Date: 18 MAY.2021 06:57:27

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

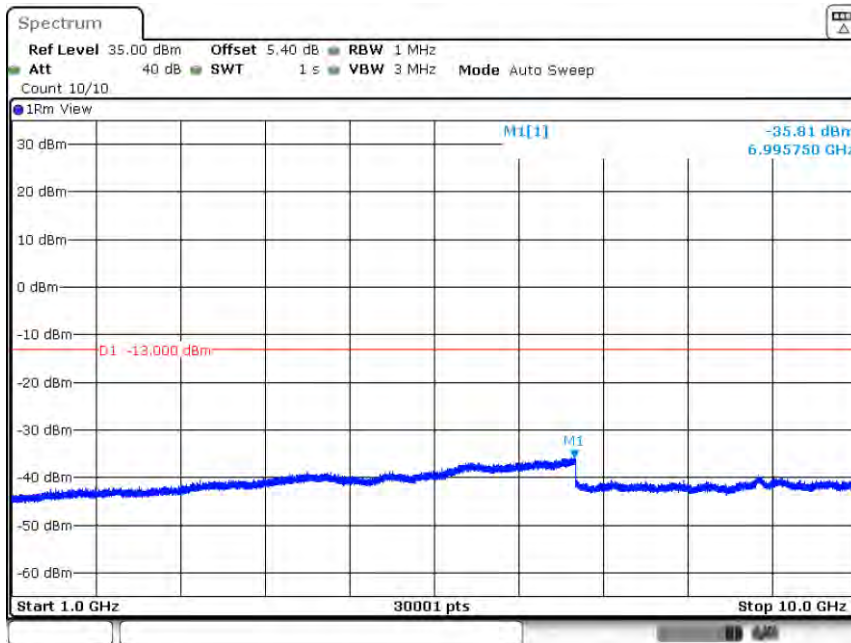


Date: 18 MAY.2021 06:58:22



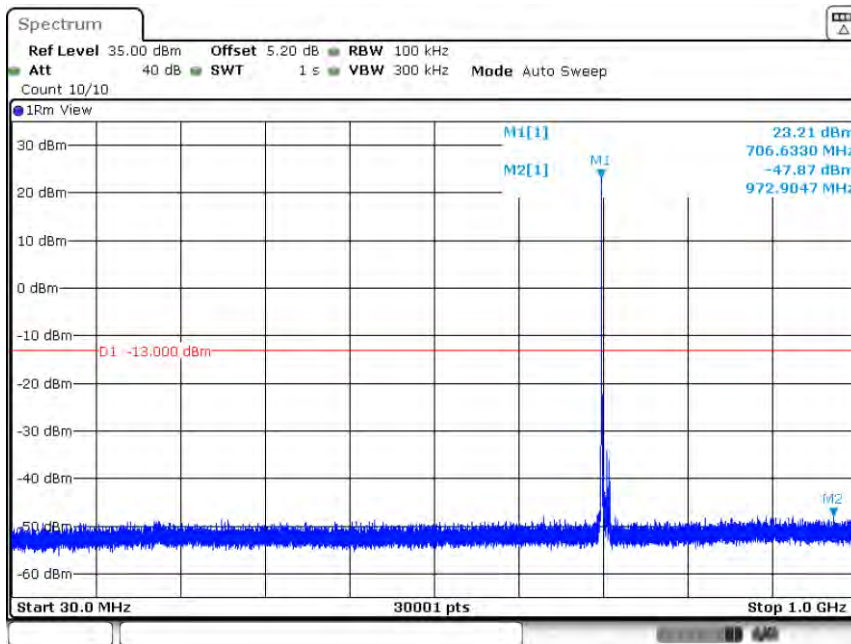
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Band12-10MHz-QPSK-23095-1RB#0-Range2:100~10000MHz



Date: 18 MAY.2021 06:58:37

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

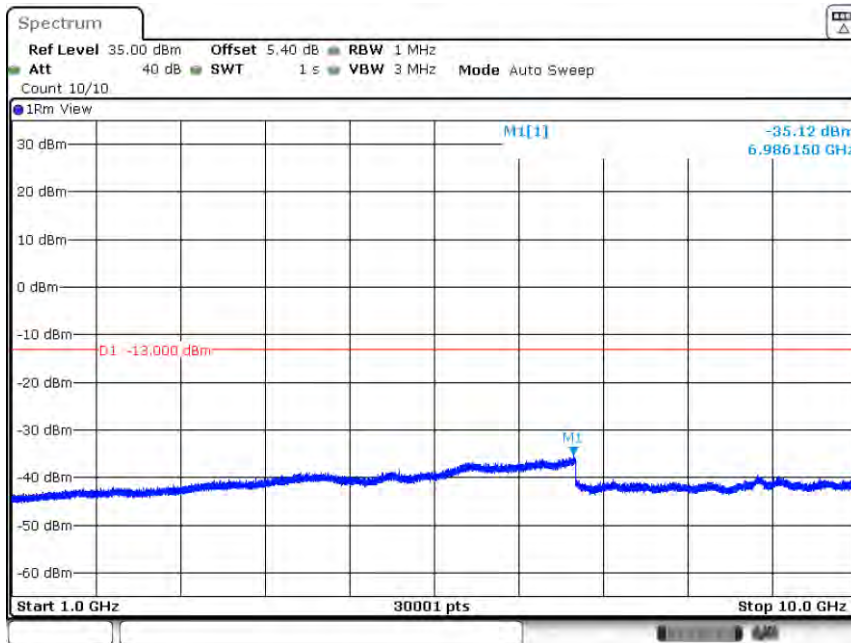


Date: 18 MAY.2021 06:59:32



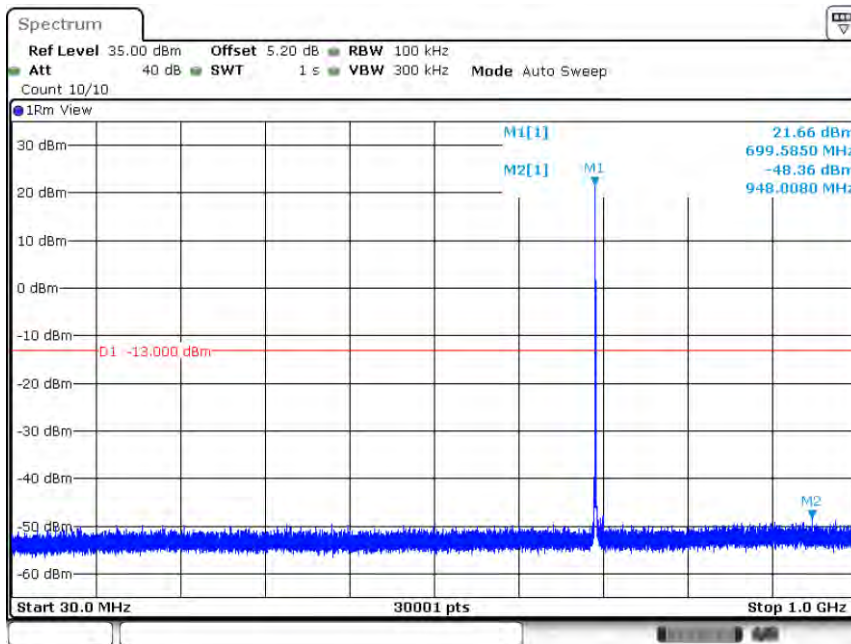
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Band12-10MHz-QPSK-23130-1RB#0-Range2:100~10000MHz



Date: 18 MAY 2021 06:59:47

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

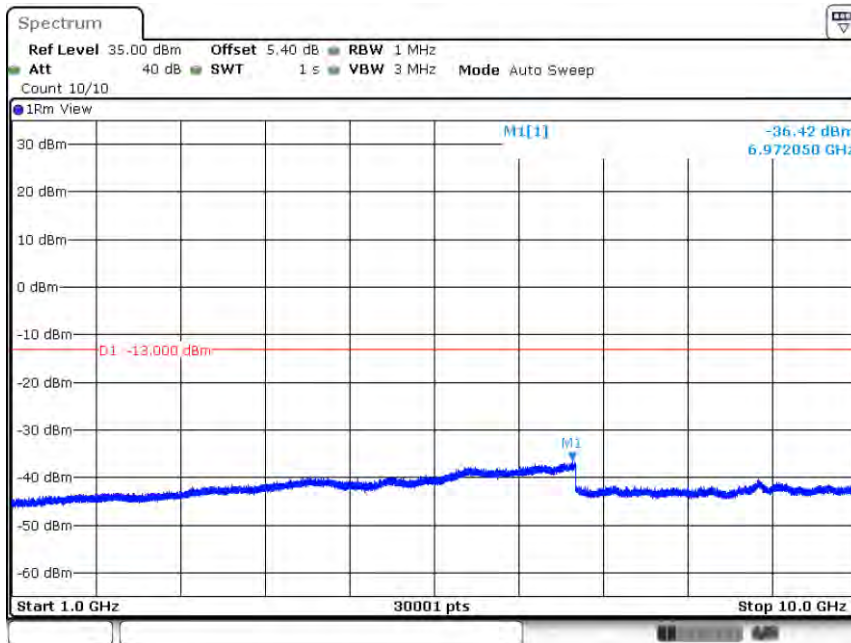


Date: 21 JUN 2021 03:06:42



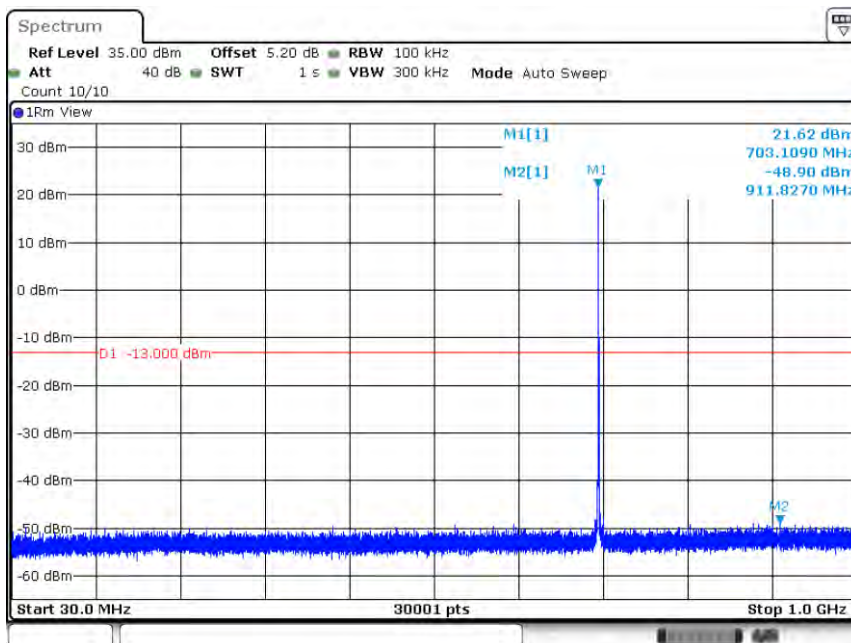
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Band12-10MHz-64QAM-23060-1RB#0-Range2:1000~10000MHz



Date: 21 JUN 2021 03:06:57

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

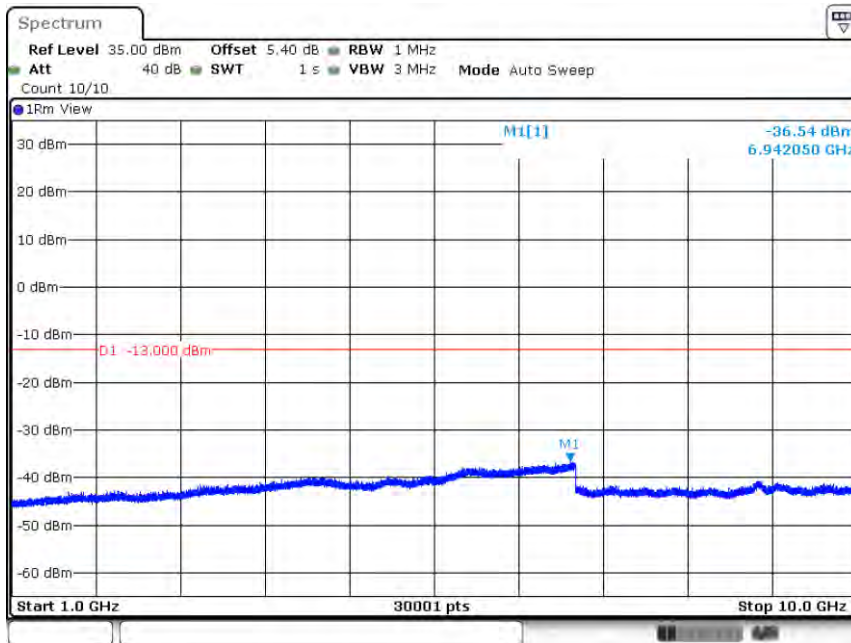


Date: 21 JUN 2021 03:07:17



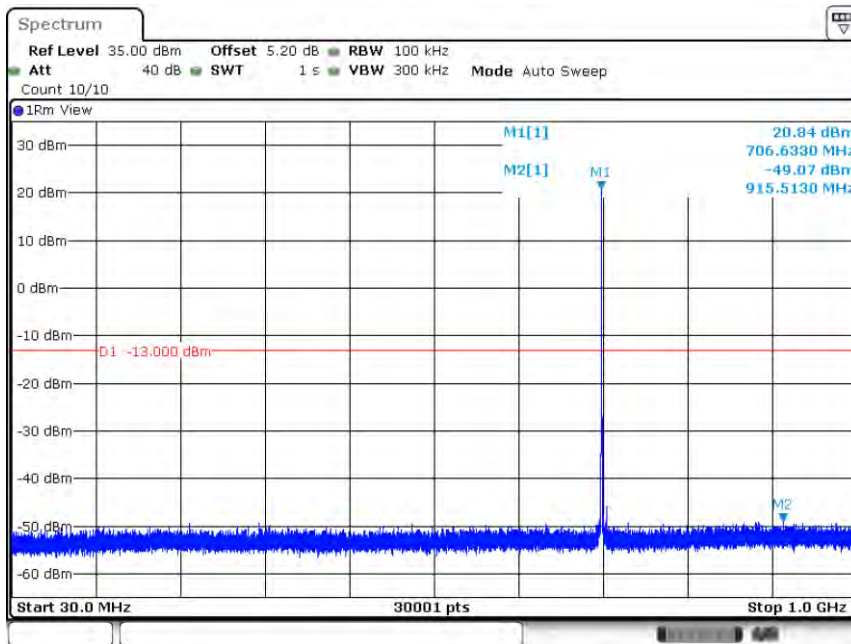
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Band12-10MHz-64QAM-23095-1RB#0-Range2:1000~10000MHz



Date: 21 JUN 2021 03:07:32

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

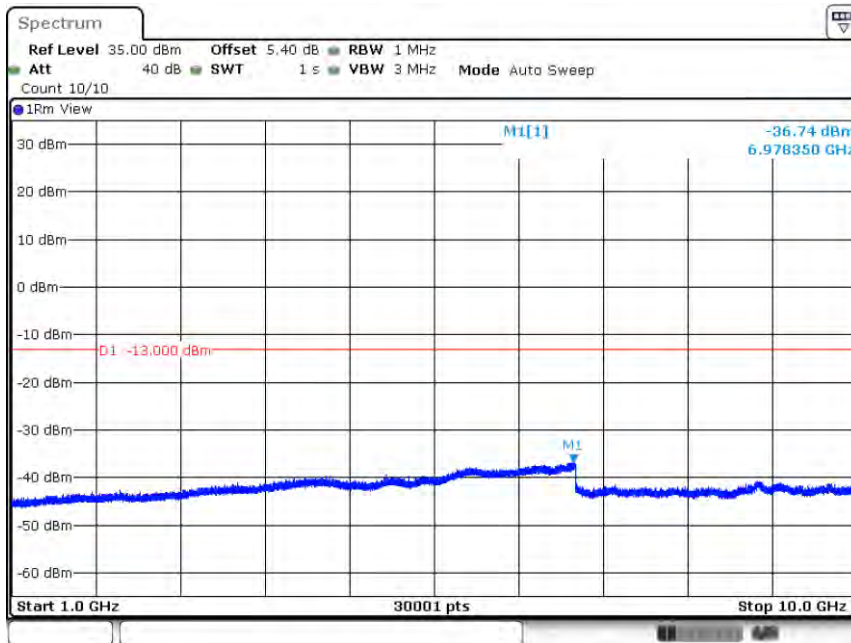


Date: 21 JUN 2021 03:07:52



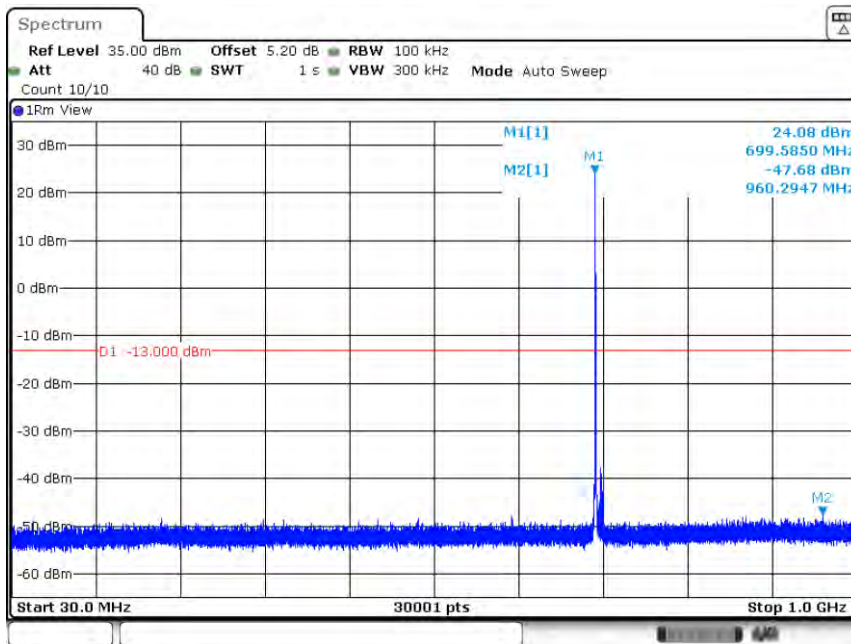
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Band12-10MHz-64QAM-23130-1RB#0-Range2:1000~10000MHz



Date: 21 JUN 2021 03:08:07

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

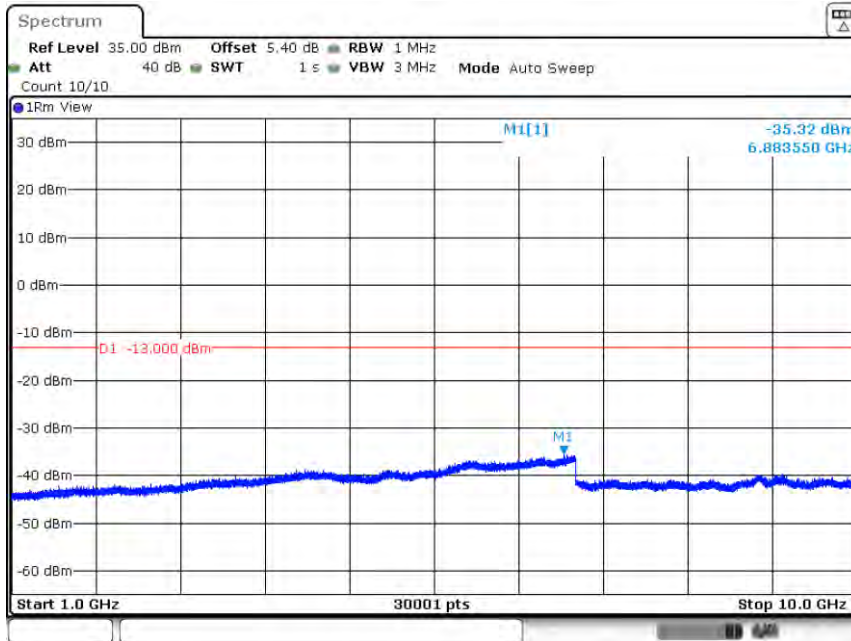


Date: 18 MAY 2021 06:57:46



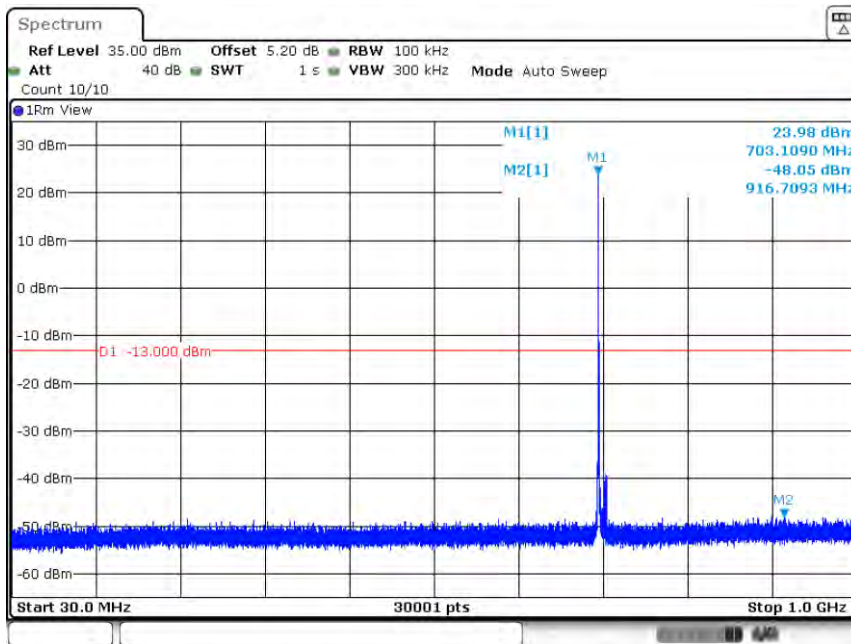
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Band12-10MHz-16QAM-23060-1RB#0-Range2:1000~10000MHz



Date: 18 MAY.2021 06:58:02

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



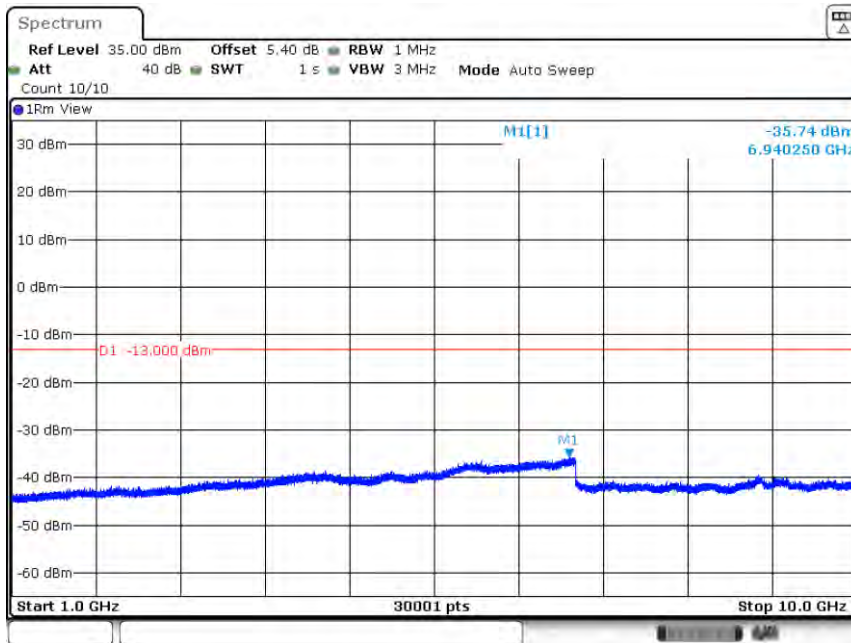
Date: 18 MAY.2021 06:58:57



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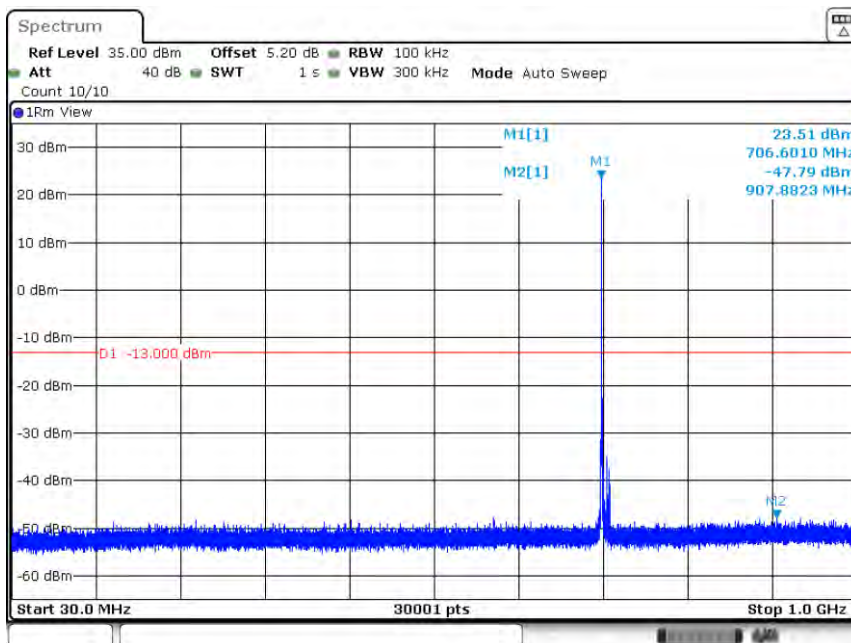
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Band12-10MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz



Date: 18 MAY.2021 06:59:12

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

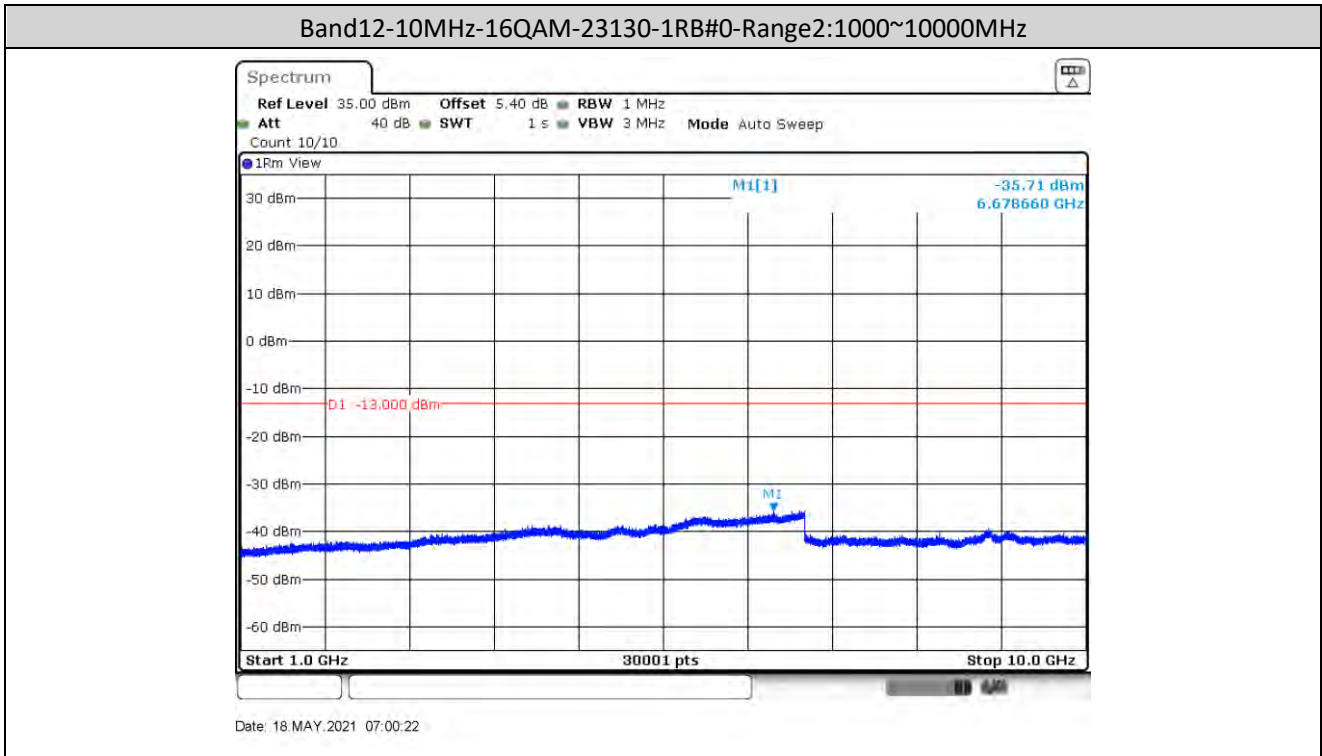


Date: 18 MAY.2021 07:00:07



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7. Field Strength of Spurious Radiation

7.1. Test Band = LTE Band12

7.1.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1031.4016	22.60	-65.58	-13.00	52.58	Horizontal
2	1990.0495	22.07	-65.66	-13.00	52.66	Horizontal
3	2968.9985	22.41	-60.62	-13.00	47.62	Horizontal
4	4988.4494	50.78	-58.67	-13.00	45.67	Horizontal
5	7486.8743	49.56	-52.58	-13.00	39.58	Horizontal
6	9736.0868	47.70	-50.49	-13.00	37.49	Horizontal



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7.2. Test Band = _LTE_Band12
7.2.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1000.0000	21.24	-65.67	-13.00	52.67	Vertical
2	2309.2655	22.45	-63.72	-13.00	50.72	Vertical
3	2999.0000	22.05	-60.83	-13.00	47.83	Vertical
4	4297.5149	52.12	-60.72	-13.00	47.72	Vertical
5	6067.9034	50.11	-56.44	-13.00	43.44	Vertical
6	9710.8855	47.82	-50.47	-13.00	37.47	Vertical



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7.3. Test Band = _LTE_Band12

7.3.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1011.7006	21.62	-65.76	-13.00	52.76	Horizontal
2	2186.0593	22.40	-64.19	-13.00	51.19	Horizontal
3	2989.4995	22.53	-60.39	-13.00	47.39	Horizontal
4	5031.5016	51.11	-58.65	-13.00	45.65	Horizontal
5	7493.5247	49.79	-52.29	-13.00	39.29	Horizontal
6	9524.6762	48.20	-50.50	-13.00	37.50	Horizontal



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7.4. Test Band = _LTE_Band12

7.4.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1012.8006	21.45	-65.98	-13.00	52.98	Vertical
2	1555.0278	22.20	-67.08	-13.00	54.08	Vertical
3	2426.4713	22.70	-62.74	-13.00	49.74	Vertical
4	2998.4999	22.73	-60.15	-13.00	47.15	Vertical
5	5708.4354	50.75	-56.22	-13.00	43.22	Vertical
6	9030.1015	48.58	-50.47	-13.00	37.47	Vertical



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7.5. Test Band = _LTE_Band12

7.5.1. Test Channel = High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1001.8001	21.06	-65.92	-13.00	52.92	Horizontal
2	1459.3230	21.84	-67.10	-13.00	54.10	Horizontal
3	2952.4976	22.07	-61.04	-13.00	48.04	Horizontal
4	4744.4872	51.46	-59.10	-13.00	46.10	Horizontal
5	6962.5481	50.34	-53.43	-13.00	40.43	Horizontal
6	9960.7980	47.83	-50.38	-13.00	37.38	Horizontal



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7.6. Test Band = _LTE_Band12

7.6.1. Test Channel = High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1225.2113	22.45	-66.85	-13.00	53.85	Vertical
2	1747.3374	38.24	-51.03	-13.00	38.03	Vertical
3	2977.2989	22.26	-60.73	-13.00	47.73	Vertical
4	5304.1652	50.86	-58.29	-13.00	45.29	Vertical
5	7474.6237	49.75	-52.49	-13.00	39.49	Vertical
6	9934.5467	47.70	-50.52	-13.00	37.52	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	2.20	0.003125	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VN	NT	0.30	0.000426	±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	0.40	0.000565	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VN	NT	0.20	0.000283	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VH	NT	-0.20	-0.000283	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VL	NT	0.50	0.000703	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VN	NT	1.10	0.001547	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VH	NT	0.80	0.001125	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	VL	NT	0.20	0.000284	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	VN	NT	0.20	0.000284	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	VH	NT	-0.70	-0.000994	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	VL	NT	0.10	0.000141	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	VN	NT	0.80	0.001131	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	VH	NT	1.40	0.001979	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	VL	NT	1.60	0.002250	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	VN	NT	6.80	0.009564	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	VH	NT	-1.40	-0.001969	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VL	NT	-0.70	-0.000994	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VN	NT	-0.60	-0.000852	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VH	NT	-0.40	-0.000568	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VL	NT	0.00	0.000000	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VN	NT	-0.30	-0.000424	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VH	NT	-0.20	-0.000283	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VL	NT	2.00	0.002813	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VN	NT	-0.50	-0.000703	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VH	NT	-1.00	-0.001406	±2.5	PASS



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8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band12	10MHz	QPSK	23060	50RB#0	NV	-30	-0.40	-0.000568	±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	0.40	0.000568	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	0	0.60	0.000852	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	10	1.20	0.001705	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	20	0.30	0.000426	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	30	0.00	0.000000	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	40	-1.30	-0.001847	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	50	-1.90	-0.002699	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-30	0.50	0.000707	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-20	-0.10	-0.000141	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-10	-0.20	-0.000283	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	0	0.30	0.000424	±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	0.00	0.000000	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	30	1.70	0.002403	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	40	0.30	0.000424	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	50	-0.10	-0.000141	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-30	0.10	0.000141	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-20	0.30	0.000422	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-10	0.30	0.000422	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	0	-0.70	-0.000985	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	10	-0.60	-0.000844	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	20	-1.50	-0.002110	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	30	-1.10	-0.001547	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	40	1.20	0.001688	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	50	0.00	0.000000	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	-30	0.60	0.000852	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	-20	0.30	0.000426	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	-10	0.10	0.000142	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	0	-0.70	-0.000994	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	10	0.10	0.000142	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	20	0.10	0.000142	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	30	0.70	0.000994	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	40	-1.10	-0.001563	±2.5	PASS



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Band12	10MHz	64QAM	23060	50RB#0	NV	50	0.70	0.000994	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	-30	0.80	0.001131	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	-20	0.90	0.001272	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	-10	-2.80	-0.003958	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	0	9.90	0.013993	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	10	3.70	0.005230	±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	3.50	0.004947	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	40	3.50	0.004947	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	50	-3.10	-0.004382	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	-30	1.60	0.002250	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	-20	4.60	0.006470	±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	1.30	0.001828	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	10	1.60	0.002250	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	20	-0.70	-0.000985	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	30	-1.70	-0.002391	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	40	0.50	0.000703	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	50	0.70	0.000985	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-30	-1.30	-0.001847	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-20	-2.30	-0.003267	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-10	0.60	0.000852	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	0	0.80	0.001136	±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	20	0.30	0.000426	±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	40	-0.90	-0.001278	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	50	-1.20	-0.001705	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-30	-0.30	-0.000424	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-20	0.00	0.000000	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-10	-1.40	-0.001979	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	0	-0.30	-0.000424	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	10	-0.60	-0.000848	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	20	0.20	0.000283	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	30	0.70	0.000989	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	40	0.50	0.000707	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	50	-0.30	-0.000424	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	-30	1.40	0.001969	±2.5	PASS



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Band12	10MHz	16QAM	23130	50RB#0	NV	-20	-1.30	-0.001828	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	-10	0.20	0.000281	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	0	0.60	0.000844	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	10	1.10	0.001547	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	20	-1.90	-0.002672	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	30	0.00	0.000000	±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	-0.60	-0.000844	±2.5	PASS



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