



Appendix B

E-UTRA Band 12



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1 Effective (Isotropic) Radiated Power

1.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	23.17	22.63	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	23.22	22.68	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	23.16	22.62	34.77	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	23.19	22.65	34.77	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	23.18	22.64	34.77	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	23.18	22.64	34.77	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.13	21.59	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	23.16	22.62	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.13	22.59	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	23.14	22.6	34.77	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	23.13	22.59	34.77	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	23.16	22.62	34.77	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	23.18	22.64	34.77	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.14	21.6	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.18	22.64	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	23.16	22.62	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	23.15	22.61	34.77	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	23.18	22.64	34.77	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	23.20	22.66	34.77	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	23.17	22.63	34.77	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.21	21.67	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#5	21.48	20.94	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#2	21.40	20.86	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#0	21.44	20.9	34.77	PASS
Band12	1.4MHz	64QAM	23017	3RB#3	21.41	20.87	34.77	PASS
Band12	1.4MHz	64QAM	23017	3RB#0	21.36	20.82	34.77	PASS
Band12	1.4MHz	64QAM	23017	3RB#1	21.39	20.85	34.77	PASS



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Band12	1.4MHz	64QAM	23017	6RB#0	20.32	19.78	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#5	21.36	20.82	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#2	21.38	20.84	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#0	21.35	20.81	34.77	PASS
Band12	1.4MHz	64QAM	23095	3RB#3	21.37	20.83	34.77	PASS
Band12	1.4MHz	64QAM	23095	3RB#1	21.40	20.86	34.77	PASS
Band12	1.4MHz	64QAM	23095	3RB#0	21.34	20.8	34.77	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	20.23	19.69	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#2	21.44	20.9	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#5	21.45	20.91	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#0	21.35	20.81	34.77	PASS
Band12	1.4MHz	64QAM	23173	3RB#0	21.42	20.88	34.77	PASS
Band12	1.4MHz	64QAM	23173	3RB#3	21.44	20.9	34.77	PASS
Band12	1.4MHz	64QAM	23173	3RB#1	21.42	20.88	34.77	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	20.30	19.76	34.77	PASS
Band12	1.4MHz	256QAM	23017	1RB#0	18.27	17.73	34.77	PASS
Band12	1.4MHz	256QAM	23017	1RB#2	18.25	17.71	34.77	PASS
Band12	1.4MHz	256QAM	23017	1RB#5	18.36	17.82	34.77	PASS
Band12	1.4MHz	256QAM	23017	3RB#3	18.10	17.56	34.77	PASS
Band12	1.4MHz	256QAM	23017	3RB#0	18.16	17.62	34.77	PASS
Band12	1.4MHz	256QAM	23017	3RB#1	18.15	17.61	34.77	PASS
Band12	1.4MHz	256QAM	23017	6RB#0	18.11	17.57	34.77	PASS
Band12	1.4MHz	256QAM	23095	1RB#0	18.31	17.77	34.77	PASS
Band12	1.4MHz	256QAM	23095	1RB#2	18.36	17.82	34.77	PASS
Band12	1.4MHz	256QAM	23095	1RB#5	18.36	17.82	34.77	PASS
Band12	1.4MHz	256QAM	23095	3RB#0	18.28	17.74	34.77	PASS
Band12	1.4MHz	256QAM	23095	3RB#1	18.22	17.68	34.77	PASS
Band12	1.4MHz	256QAM	23095	3RB#3	18.24	17.7	34.77	PASS
Band12	1.4MHz	256QAM	23095	6RB#0	18.16	17.62	34.77	PASS
Band12	1.4MHz	256QAM	23173	1RB#5	18.31	17.77	34.77	PASS
Band12	1.4MHz	256QAM	23173	1RB#0	18.39	17.85	34.77	PASS
Band12	1.4MHz	256QAM	23173	1RB#2	18.39	17.85	34.77	PASS
Band12	1.4MHz	256QAM	23173	3RB#1	18.25	17.71	34.77	PASS



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Band12	1.4MHz	256QAM	23173	3RB#3	18.24	17.7	34.77	PASS
Band12	1.4MHz	256QAM	23173	3RB#0	18.22	17.68	34.77	PASS
Band12	1.4MHz	256QAM	23173	6RB#0	18.14	17.6	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	22.37	21.83	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	22.39	21.85	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	22.31	21.77	34.77	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	22.22	21.68	34.77	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	22.23	21.69	34.77	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	22.24	21.7	34.77	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	21.35	20.81	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	22.45	21.91	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.28	21.74	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	22.30	21.76	34.77	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	22.18	21.64	34.77	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	22.25	21.71	34.77	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	22.23	21.69	34.77	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	21.35	20.81	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	22.24	21.7	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	22.41	21.87	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	22.27	21.73	34.77	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	22.29	21.75	34.77	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	22.25	21.71	34.77	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	22.32	21.78	34.77	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	21.37	20.83	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.21	22.67	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#0	23.17	22.63	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#8	23.14	22.6	34.77	PASS
Band12	3MHz	QPSK	23025	8RB#0	22.18	21.64	34.77	PASS
Band12	3MHz	QPSK	23025	8RB#4	22.14	21.6	34.77	PASS
Band12	3MHz	QPSK	23025	8RB#7	22.12	21.58	34.77	PASS
Band12	3MHz	QPSK	23025	15RB#0	22.16	21.62	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#14	23.14	22.6	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#0	23.13	22.59	34.77	PASS





Band12	3MHz	QPSK	23095	1RB#8	23.16	22.62	34.77	PASS
Band12	3MHz	QPSK	23095	8RB#4	22.15	21.61	34.77	PASS
Band12	3MHz	QPSK	23095	8RB#0	22.08	21.54	34.77	PASS
Band12	3MHz	QPSK	23095	8RB#7	22.06	21.52	34.77	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.05	21.51	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.19	22.65	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#8	23.13	22.59	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#14	23.18	22.64	34.77	PASS
Band12	3MHz	QPSK	23165	8RB#0	22.15	21.61	34.77	PASS
Band12	3MHz	QPSK	23165	8RB#4	22.15	21.61	34.77	PASS
Band12	3MHz	QPSK	23165	8RB#7	22.17	21.63	34.77	PASS
Band12	3MHz	QPSK	23165	15RB#0	22.16	21.62	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#8	21.50	20.96	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#14	21.42	20.88	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#0	21.53	20.99	34.77	PASS
Band12	3MHz	64QAM	23025	8RB#0	20.27	19.73	34.77	PASS
Band12	3MHz	64QAM	23025	8RB#4	20.30	19.76	34.77	PASS
Band12	3MHz	64QAM	23025	8RB#7	20.29	19.75	34.77	PASS
Band12	3MHz	64QAM	23025	15RB#0	20.31	19.77	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#14	21.40	20.86	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#0	21.43	20.89	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#8	21.40	20.86	34.77	PASS
Band12	3MHz	64QAM	23095	8RB#7	20.23	19.69	34.77	PASS
Band12	3MHz	64QAM	23095	8RB#4	20.32	19.78	34.77	PASS
Band12	3MHz	64QAM	23095	8RB#0	20.27	19.73	34.77	PASS
Band12	3MHz	64QAM	23095	15RB#0	20.24	19.7	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#8	21.38	20.84	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#14	21.41	20.87	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#0	21.49	20.95	34.77	PASS
Band12	3MHz	64QAM	23165	8RB#7	20.33	19.79	34.77	PASS
Band12	3MHz	64QAM	23165	8RB#4	20.30	19.76	34.77	PASS
Band12	3MHz	64QAM	23165	8RB#0	20.31	19.77	34.77	PASS
Band12	3MHz	64QAM	23165	15RB#0	20.31	19.77	34.77	PASS





Band12	3MHz	256QAM	23025	1RB#0	18.22	17.68	34.77	PASS
Band12	3MHz	256QAM	23025	1RB#8	18.26	17.72	34.77	PASS
Band12	3MHz	256QAM	23025	1RB#14	18.27	17.73	34.77	PASS
Band12	3MHz	256QAM	23025	8RB#0	18.15	17.61	34.77	PASS
Band12	3MHz	256QAM	23025	8RB#4	18.12	17.58	34.77	PASS
Band12	3MHz	256QAM	23025	8RB#7	18.13	17.59	34.77	PASS
Band12	3MHz	256QAM	23025	15RB#0	18.14	17.6	34.77	PASS
Band12	3MHz	256QAM	23095	1RB#0	18.39	17.85	34.77	PASS
Band12	3MHz	256QAM	23095	1RB#14	18.34	17.8	34.77	PASS
Band12	3MHz	256QAM	23095	1RB#8	18.33	17.79	34.77	PASS
Band12	3MHz	256QAM	23095	8RB#7	18.26	17.72	34.77	PASS
Band12	3MHz	256QAM	23095	8RB#0	18.17	17.63	34.77	PASS
Band12	3MHz	256QAM	23095	8RB#4	18.12	17.58	34.77	PASS
Band12	3MHz	256QAM	23095	15RB#0	18.15	17.61	34.77	PASS
Band12	3MHz	256QAM	23165	1RB#14	18.27	17.73	34.77	PASS
Band12	3MHz	256QAM	23165	1RB#0	18.36	17.82	34.77	PASS
Band12	3MHz	256QAM	23165	1RB#8	18.30	17.76	34.77	PASS
Band12	3MHz	256QAM	23165	8RB#0	18.17	17.63	34.77	PASS
Band12	3MHz	256QAM	23165	8RB#7	18.13	17.59	34.77	PASS
Band12	3MHz	256QAM	23165	8RB#4	18.13	17.59	34.77	PASS
Band12	3MHz	256QAM	23165	15RB#0	18.18	17.64	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#0	22.29	21.75	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#14	22.37	21.83	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#8	22.35	21.81	34.77	PASS
Band12	3MHz	16QAM	23025	8RB#7	21.33	20.79	34.77	PASS
Band12	3MHz	16QAM	23025	8RB#4	21.38	20.84	34.77	PASS
Band12	3MHz	16QAM	23025	8RB#0	21.36	20.82	34.77	PASS
Band12	3MHz	16QAM	23025	15RB#0	21.31	20.77	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#0	22.39	21.85	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#8	22.29	21.75	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.35	21.81	34.77	PASS
Band12	3MHz	16QAM	23095	8RB#7	21.28	20.74	34.77	PASS
Band12	3MHz	16QAM	23095	8RB#0	21.33	20.79	34.77	PASS



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Band12	3MHz	16QAM	23095	8RB#4	21.34	20.8	34.77	PASS
Band12	3MHz	16QAM	23095	15RB#0	21.23	20.69	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#0	22.31	21.77	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#8	22.25	21.71	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#14	22.35	21.81	34.77	PASS
Band12	3MHz	16QAM	23165	8RB#0	21.37	20.83	34.77	PASS
Band12	3MHz	16QAM	23165	8RB#4	21.37	20.83	34.77	PASS
Band12	3MHz	16QAM	23165	8RB#7	21.40	20.86	34.77	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.31	20.77	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.23	22.69	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#0	23.22	22.68	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#24	23.19	22.65	34.77	PASS
Band12	5MHz	QPSK	23035	12RB#6	22.24	21.7	34.77	PASS
Band12	5MHz	QPSK	23035	12RB#13	22.15	21.61	34.77	PASS
Band12	5MHz	QPSK	23035	12RB#0	22.17	21.63	34.77	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.18	21.64	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#0	23.22	22.68	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.26	22.72	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#24	23.16	22.62	34.77	PASS
Band12	5MHz	QPSK	23095	12RB#0	22.16	21.62	34.77	PASS
Band12	5MHz	QPSK	23095	12RB#6	22.13	21.59	34.77	PASS
Band12	5MHz	QPSK	23095	12RB#13	22.08	21.54	34.77	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.09	21.55	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#0	23.23	22.69	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#24	23.15	22.61	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.22	22.68	34.77	PASS
Band12	5MHz	QPSK	23155	12RB#13	22.15	21.61	34.77	PASS
Band12	5MHz	QPSK	23155	12RB#6	22.13	21.59	34.77	PASS
Band12	5MHz	QPSK	23155	12RB#0	22.16	21.62	34.77	PASS
Band12	5MHz	QPSK	23155	25RB#0	22.15	21.61	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#12	21.46	20.92	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#24	21.46	20.92	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#0	21.48	20.94	34.77	PASS



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Band12	5MHz	64QAM	23035	12RB#0	20.32	19.78	34.77	PASS
Band12	5MHz	64QAM	23035	12RB#6	20.38	19.84	34.77	PASS
Band12	5MHz	64QAM	23035	12RB#13	20.29	19.75	34.77	PASS
Band12	5MHz	64QAM	23035	25RB#0	20.33	19.79	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#0	21.40	20.86	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#12	21.46	20.92	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#24	21.44	20.9	34.77	PASS
Band12	5MHz	64QAM	23095	12RB#0	20.26	19.72	34.77	PASS
Band12	5MHz	64QAM	23095	12RB#13	20.26	19.72	34.77	PASS
Band12	5MHz	64QAM	23095	12RB#6	20.28	19.74	34.77	PASS
Band12	5MHz	64QAM	23095	25RB#0	20.26	19.72	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#12	21.39	20.85	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#24	21.41	20.87	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#0	21.51	20.97	34.77	PASS
Band12	5MHz	64QAM	23155	12RB#0	20.30	19.76	34.77	PASS
Band12	5MHz	64QAM	23155	12RB#6	20.31	19.77	34.77	PASS
Band12	5MHz	64QAM	23155	12RB#13	20.28	19.74	34.77	PASS
Band12	5MHz	64QAM	23155	25RB#0	20.37	19.83	34.77	PASS
Band12	5MHz	256QAM	23035	1RB#24	18.32	17.78	34.77	PASS
Band12	5MHz	256QAM	23035	1RB#12	18.38	17.84	34.77	PASS
Band12	5MHz	256QAM	23035	1RB#0	18.41	17.87	34.77	PASS
Band12	5MHz	256QAM	23035	12RB#0	18.23	17.69	34.77	PASS
Band12	5MHz	256QAM	23035	12RB#13	18.16	17.62	34.77	PASS
Band12	5MHz	256QAM	23035	12RB#6	18.21	17.67	34.77	PASS
Band12	5MHz	256QAM	23035	25RB#0	18.14	17.6	34.77	PASS
Band12	5MHz	256QAM	23095	1RB#24	18.49	17.95	34.77	PASS
Band12	5MHz	256QAM	23095	1RB#12	18.34	17.8	34.77	PASS
Band12	5MHz	256QAM	23095	1RB#0	18.42	17.88	34.77	PASS
Band12	5MHz	256QAM	23095	12RB#6	18.30	17.76	34.77	PASS
Band12	5MHz	256QAM	23095	12RB#0	18.18	17.64	34.77	PASS
Band12	5MHz	256QAM	23095	12RB#13	18.27	17.73	34.77	PASS
Band12	5MHz	256QAM	23095	25RB#0	18.26	17.72	34.77	PASS
Band12	5MHz	256QAM	23155	1RB#12	18.36	17.82	34.77	PASS





Band12	5MHz	256QAM	23155	1RB#0	18.35	17.81	34.77	PASS
Band12	5MHz	256QAM	23155	1RB#24	18.46	17.92	34.77	PASS
Band12	5MHz	256QAM	23155	12RB#13	18.28	17.74	34.77	PASS
Band12	5MHz	256QAM	23155	12RB#6	18.22	17.68	34.77	PASS
Band12	5MHz	256QAM	23155	12RB#0	18.20	17.66	34.77	PASS
Band12	5MHz	256QAM	23155	25RB#0	18.32	17.78	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#0	22.38	21.84	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#24	22.47	21.93	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#12	22.38	21.84	34.77	PASS
Band12	5MHz	16QAM	23035	12RB#0	21.39	20.85	34.77	PASS
Band12	5MHz	16QAM	23035	12RB#6	21.31	20.77	34.77	PASS
Band12	5MHz	16QAM	23035	12RB#13	21.35	20.81	34.77	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.38	20.84	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.36	21.82	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#0	22.31	21.77	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#24	22.21	21.67	34.77	PASS
Band12	5MHz	16QAM	23095	12RB#13	21.33	20.79	34.77	PASS
Band12	5MHz	16QAM	23095	12RB#0	21.32	20.78	34.77	PASS
Band12	5MHz	16QAM	23095	12RB#6	21.27	20.73	34.77	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.30	20.76	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#0	22.41	21.87	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#12	22.30	21.76	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#24	22.20	21.66	34.77	PASS
Band12	5MHz	16QAM	23155	12RB#0	21.34	20.8	34.77	PASS
Band12	5MHz	16QAM	23155	12RB#6	21.35	20.81	34.77	PASS
Band12	5MHz	16QAM	23155	12RB#13	21.33	20.79	34.77	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.35	20.81	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.24	22.7	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.18	22.64	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.27	22.73	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#0	22.21	21.67	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#12	22.15	21.61	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#25	22.21	21.67	34.77	PASS



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Band12	10MHz	QPSK	23060	50RB#0	22.27	21.73	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.21	22.67	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#49	23.13	22.59	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.25	22.71	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#0	22.06	21.52	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#12	22.14	21.6	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#25	22.09	21.55	34.77	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.09	21.55	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.19	22.65	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#24	23.20	22.66	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#49	23.19	22.65	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#0	22.15	21.61	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#12	22.14	21.6	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#25	22.17	21.63	34.77	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.17	21.63	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#49	21.48	20.94	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#24	21.50	20.96	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#0	21.56	21.02	34.77	PASS
Band12	10MHz	64QAM	23060	25RB#25	20.43	19.89	34.77	PASS
Band12	10MHz	64QAM	23060	25RB#12	20.32	19.78	34.77	PASS
Band12	10MHz	64QAM	23060	25RB#0	20.37	19.83	34.77	PASS
Band12	10MHz	64QAM	23060	50RB#0	20.39	19.85	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#49	21.45	20.91	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#24	21.48	20.94	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#0	21.55	21.01	34.77	PASS
Band12	10MHz	64QAM	23095	25RB#25	20.23	19.69	34.77	PASS
Band12	10MHz	64QAM	23095	25RB#0	20.25	19.71	34.77	PASS
Band12	10MHz	64QAM	23095	25RB#12	20.29	19.75	34.77	PASS
Band12	10MHz	64QAM	23095	50RB#0	20.23	19.69	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#24	21.59	21.05	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#49	21.58	21.04	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#0	21.50	20.96	34.77	PASS
Band12	10MHz	64QAM	23130	25RB#12	20.31	19.77	34.77	PASS



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Band12	10MHz	64QAM	23130	25RB#0	20.30	19.76	34.77	PASS
Band12	10MHz	64QAM	23130	25RB#25	20.34	19.8	34.77	PASS
Band12	10MHz	64QAM	23130	50RB#0	20.37	19.83	34.77	PASS
Band12	10MHz	256QAM	23060	1RB#0	18.35	17.81	34.77	PASS
Band12	10MHz	256QAM	23060	1RB#49	18.39	17.85	34.77	PASS
Band12	10MHz	256QAM	23060	1RB#24	18.33	17.79	34.77	PASS
Band12	10MHz	256QAM	23060	25RB#25	18.36	17.82	34.77	PASS
Band12	10MHz	256QAM	23060	25RB#12	18.31	17.77	34.77	PASS
Band12	10MHz	256QAM	23060	25RB#0	18.31	17.77	34.77	PASS
Band12	10MHz	256QAM	23060	50RB#0	18.33	17.79	34.77	PASS
Band12	10MHz	256QAM	23095	1RB#0	18.35	17.81	34.77	PASS
Band12	10MHz	256QAM	23095	1RB#24	18.40	17.86	34.77	PASS
Band12	10MHz	256QAM	23095	1RB#49	18.34	17.8	34.77	PASS
Band12	10MHz	256QAM	23095	25RB#0	18.18	17.64	34.77	PASS
Band12	10MHz	256QAM	23095	25RB#12	18.19	17.65	34.77	PASS
Band12	10MHz	256QAM	23095	25RB#25	18.18	17.64	34.77	PASS
Band12	10MHz	256QAM	23095	50RB#0	18.19	17.65	34.77	PASS
Band12	10MHz	256QAM	23130	1RB#24	18.38	17.84	34.77	PASS
Band12	10MHz	256QAM	23130	1RB#49	18.36	17.82	34.77	PASS
Band12	10MHz	256QAM	23130	1RB#0	18.39	17.85	34.77	PASS
Band12	10MHz	256QAM	23130	25RB#0	18.31	17.77	34.77	PASS
Band12	10MHz	256QAM	23130	25RB#25	18.26	17.72	34.77	PASS
Band12	10MHz	256QAM	23130	25RB#12	18.20	17.66	34.77	PASS
Band12	10MHz	256QAM	23130	50RB#0	18.14	17.6	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.38	21.84	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#49	22.31	21.77	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#0	22.30	21.76	34.77	PASS
Band12	10MHz	16QAM	23060	25RB#12	21.41	20.87	34.77	PASS
Band12	10MHz	16QAM	23060	25RB#25	21.36	20.82	34.77	PASS
Band12	10MHz	16QAM	23060	25RB#0	21.41	20.87	34.77	PASS
Band12	10MHz	16QAM	23060	50RB#0	21.41	20.87	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#0	22.24	21.7	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#24	22.45	21.91	34.77	PASS



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Band12	10MHz	16QAM	23095	1RB#49	22.43	21.89	34.77	PASS
Band12	10MHz	16QAM	23095	25RB#25	21.22	20.68	34.77	PASS
Band12	10MHz	16QAM	23095	25RB#0	21.29	20.75	34.77	PASS
Band12	10MHz	16QAM	23095	25RB#12	21.30	20.76	34.77	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.21	20.67	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#0	22.34	21.8	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#24	22.40	21.86	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#49	22.33	21.79	34.77	PASS
Band12	10MHz	16QAM	23130	25RB#12	21.31	20.77	34.77	PASS
Band12	10MHz	16QAM	23130	25RB#0	21.35	20.81	34.77	PASS
Band12	10MHz	16QAM	23130	25RB#25	21.33	20.79	34.77	PASS
Band12	10MHz	16QAM	23130	50RB#0	21.32	20.78	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	5.71	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.54	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.54	13	PASS
Band12	10MHz	64QAM	23060	50RB#0	6.35	13	PASS
Band12	10MHz	64QAM	23095	50RB#0	6.32	13	PASS
Band12	10MHz	64QAM	23130	50RB#0	6.32	13	PASS
Band12	10MHz	256QAM	23060	50RB#0	6.41	13	PASS
Band12	10MHz	256QAM	23095	50RB#0	6.35	13	PASS
Band12	10MHz	256QAM	23130	50RB#0	6.32	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.26	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.20	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.17	13	PASS



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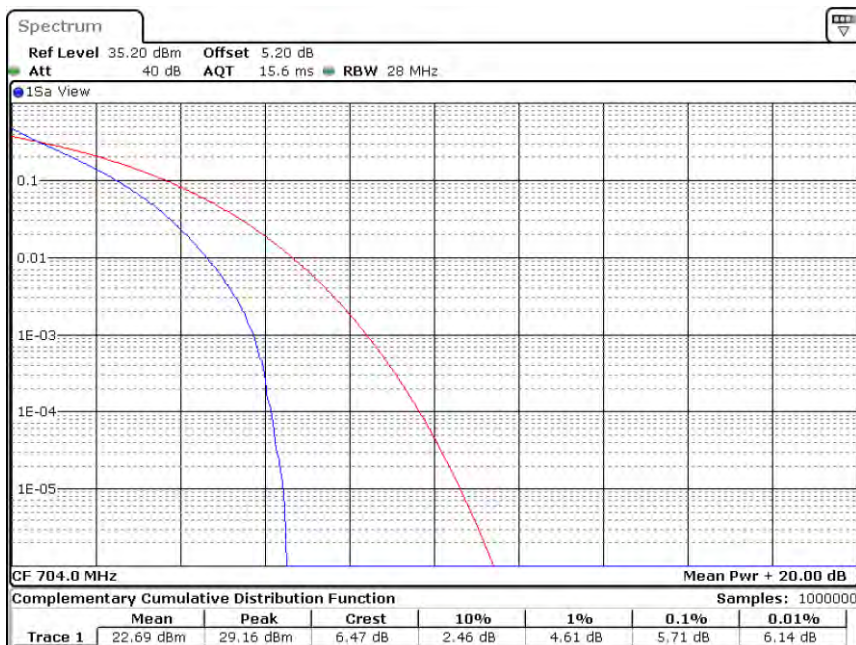
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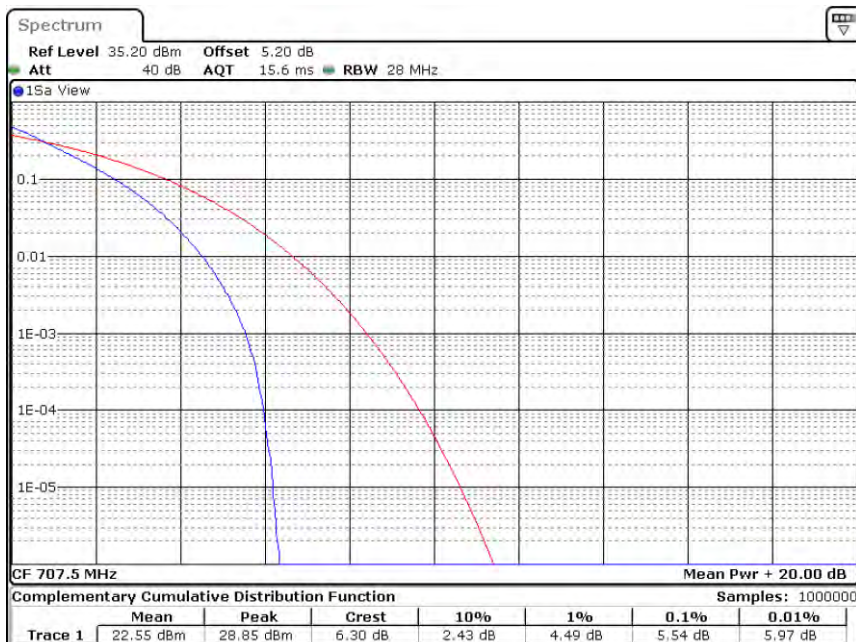
2.2. Test Plots

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



Date: 16.MAY.2021 11:58:21

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



Date: 16.MAY.2021 11:58:44



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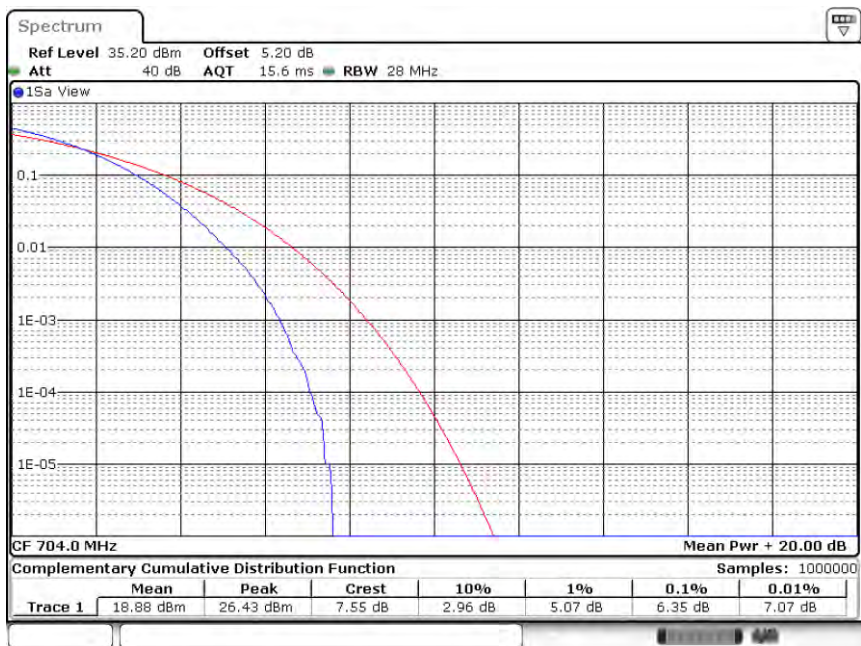
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Band12-10MHz-QPSK-23130-50RB#0



Date: 16.MAY.2021 11:59:07

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



Date: 5.MAY.2021 04:49:54



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



Date: 5.MAY.2021 04:50:05

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



Date: 5.MAY.2021 04:50:17

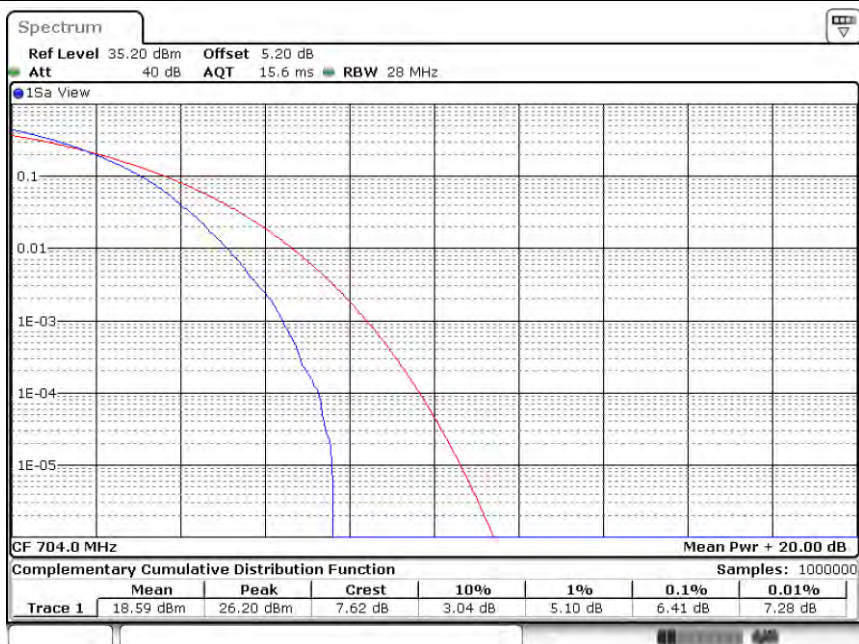


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Band12-10MHz-256QAM-23060-50RB#0



Date: 7.MAY.2021 03:20:08

Band12-10MHz-256QAM-23095-50RB#0

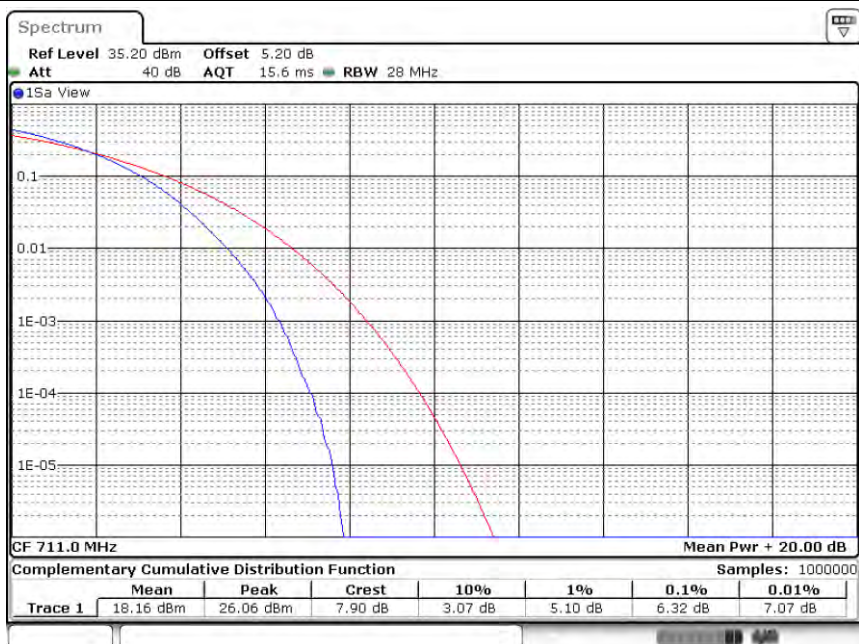


Date: 7.MAY.2021 03:20:20





Band12-10MHz-256QAM-23130-50RB#0



Date: 7.MAY.2021 03:20:31

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



Date: 16.MAY.2021 11:58:32



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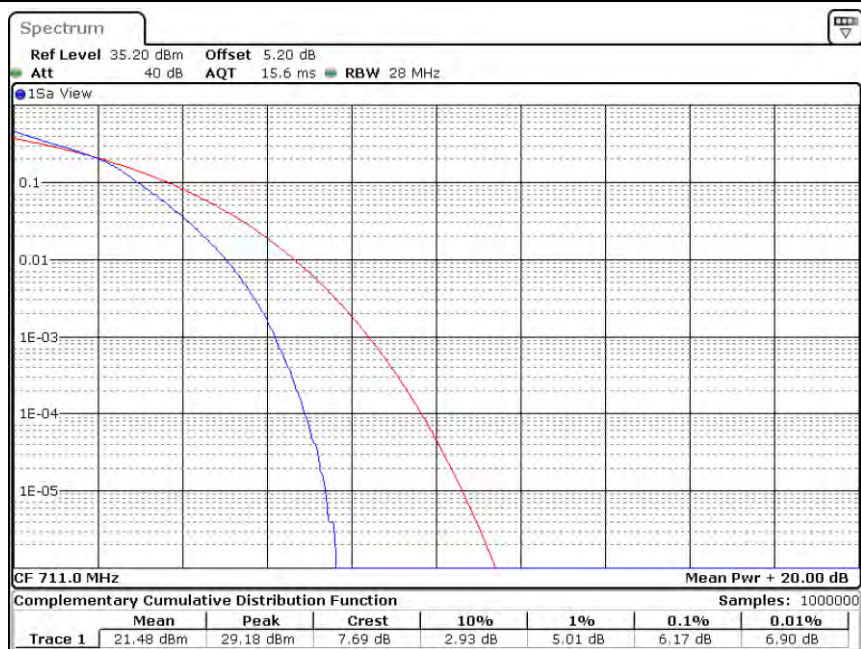


Band12-10MHz-16QAM-23095-50RB#0



Date: 16.MAY.2021 11:58:55

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



Date: 16.MAY.2021 11:59:18

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



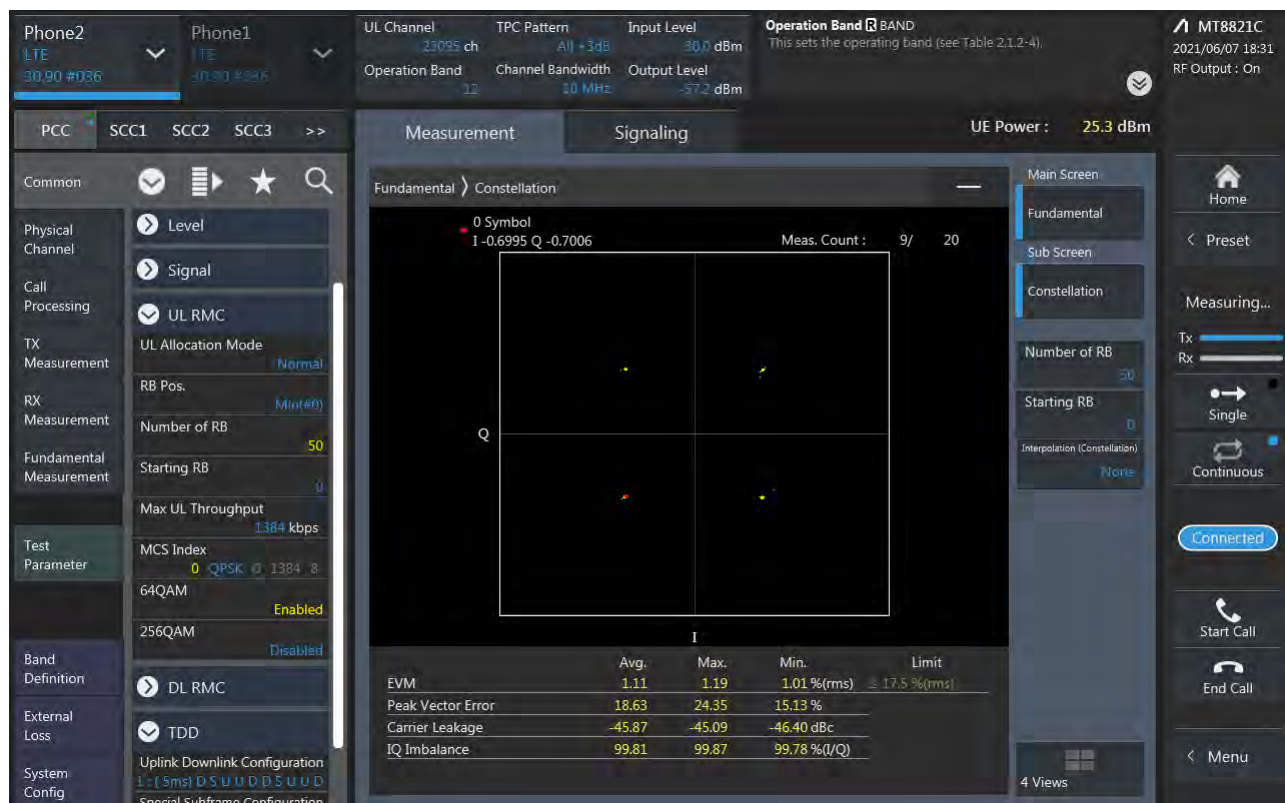
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3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 10MHz

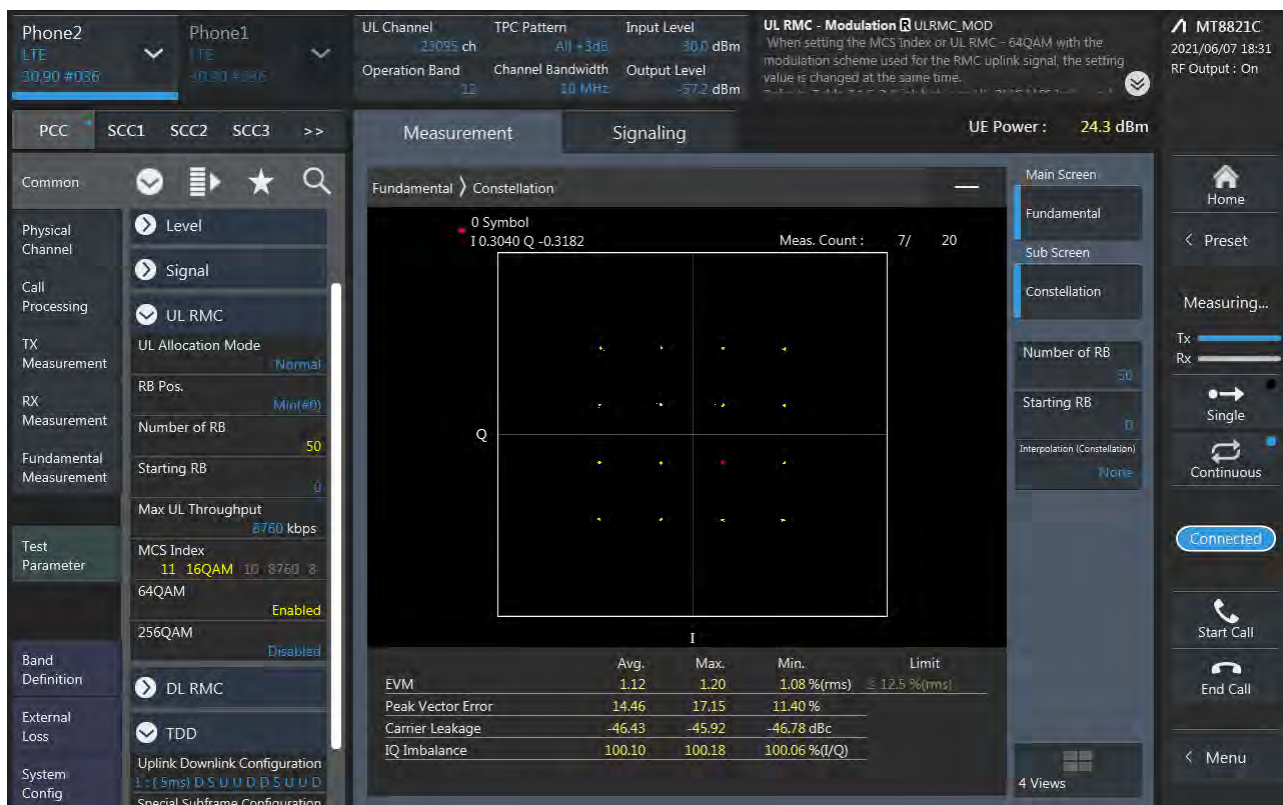
3.1.1. Test Channel = MCH





3.2. Test Mode = LTE /TM2 10MHz

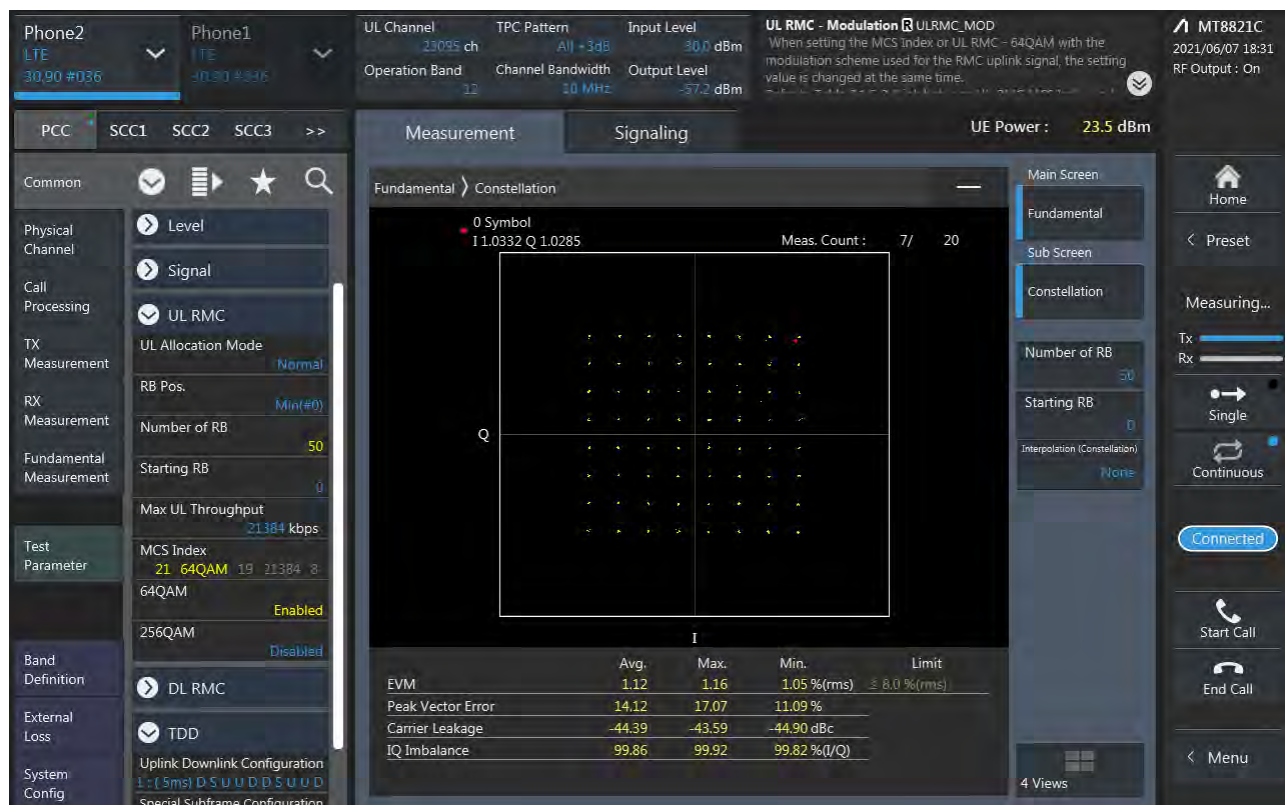
3.2.1. Test Channel = MCH





3.3. Test Mode = LTE /TM3 10MHz

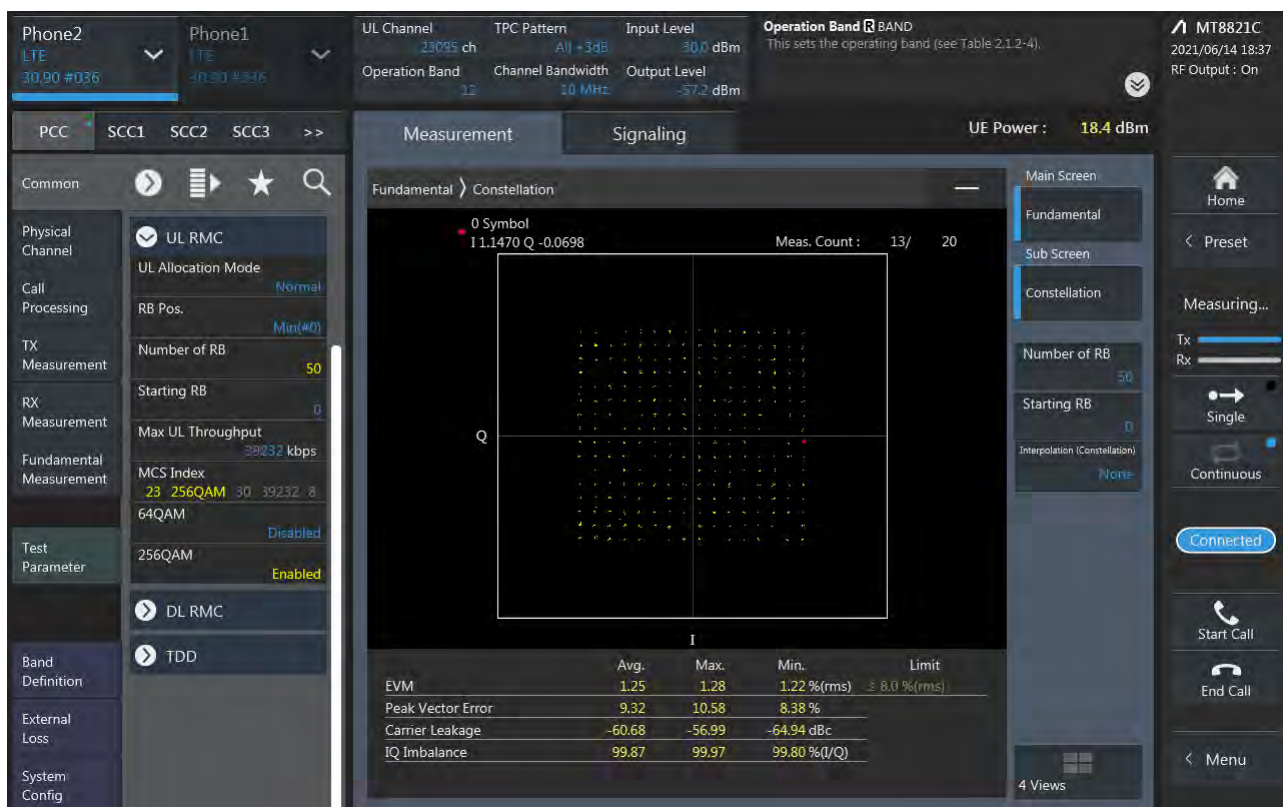
3.3.1. Test Channel = MCH





3.4. Test Mode = LTE /TM4 10MHz

3.4.1. 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	1.275	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.091	1.296	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.091	1.284	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	1.094	1.278	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	1.094	1.290	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	1.094	1.287	PASS
Band12	1.4MHz	256QAM	23017	6RB#0	1.091	1.293	PASS
Band12	1.4MHz	256QAM	23095	6RB#0	1.088	1.293	PASS
Band12	1.4MHz	256QAM	23173	6RB#0	1.094	1.287	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.088	1.272	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.091	1.287	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.091	1.293	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.685	2.946	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.691	2.934	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.691	2.952	PASS
Band12	3MHz	64QAM	23025	15RB#0	2.685	2.928	PASS
Band12	3MHz	64QAM	23095	15RB#0	2.685	2.940	PASS
Band12	3MHz	64QAM	23165	15RB#0	2.685	2.922	PASS
Band12	3MHz	256QAM	23025	15RB#0	2.685	2.934	PASS
Band12	3MHz	256QAM	23095	15RB#0	2.685	2.940	PASS
Band12	3MHz	256QAM	23165	15RB#0	2.685	2.952	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.679	2.928	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.679	2.928	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.685	2.928	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.476	4.850	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.466	4.860	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.476	4.870	PASS
Band12	5MHz	64QAM	23035	25RB#0	4.466	4.860	PASS
Band12	5MHz	64QAM	23095	25RB#0	4.466	4.870	PASS
Band12	5MHz	64QAM	23155	25RB#0	4.476	4.860	PASS
Band12	5MHz	256QAM	23035	25RB#0	4.486	4.890	PASS



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Band12	5MHz	256QAM	23095	25RB#0	4.476	4.850	PASS
Band12	5MHz	256QAM	23155	25RB#0	4.486	4.880	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.476	4.880	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.486	4.900	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.486	4.900	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.931	9.640	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.931	9.640	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.931	9.640	PASS
Band12	10MHz	64QAM	23060	50RB#0	8.951	9.620	PASS
Band12	10MHz	64QAM	23095	50RB#0	8.931	9.620	PASS
Band12	10MHz	64QAM	23130	50RB#0	8.911	9.520	PASS
Band12	10MHz	256QAM	23060	50RB#0	8.951	9.700	PASS
Band12	10MHz	256QAM	23095	50RB#0	8.931	9.560	PASS
Band12	10MHz	256QAM	23130	50RB#0	8.911	9.580	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.931	9.700	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.931	9.660	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.911	9.580	PASS



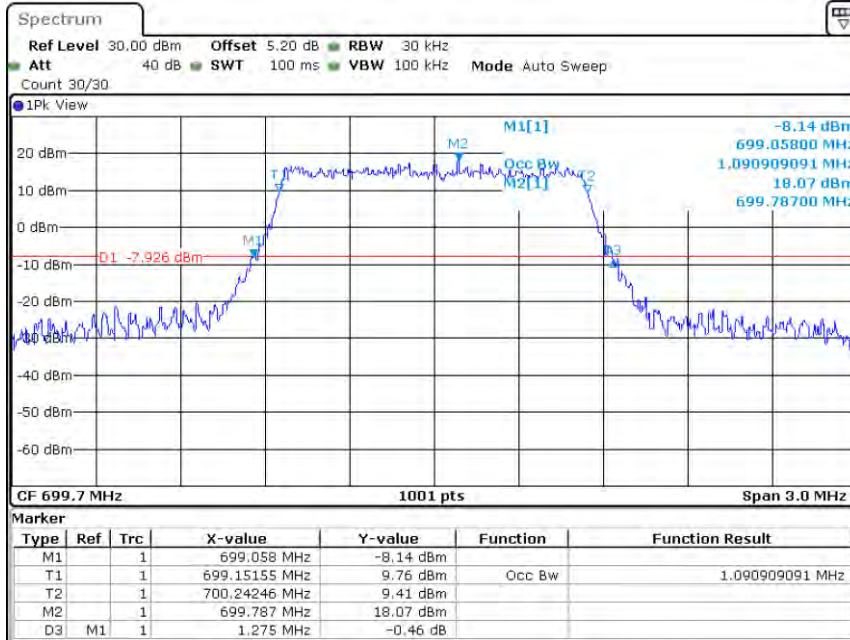
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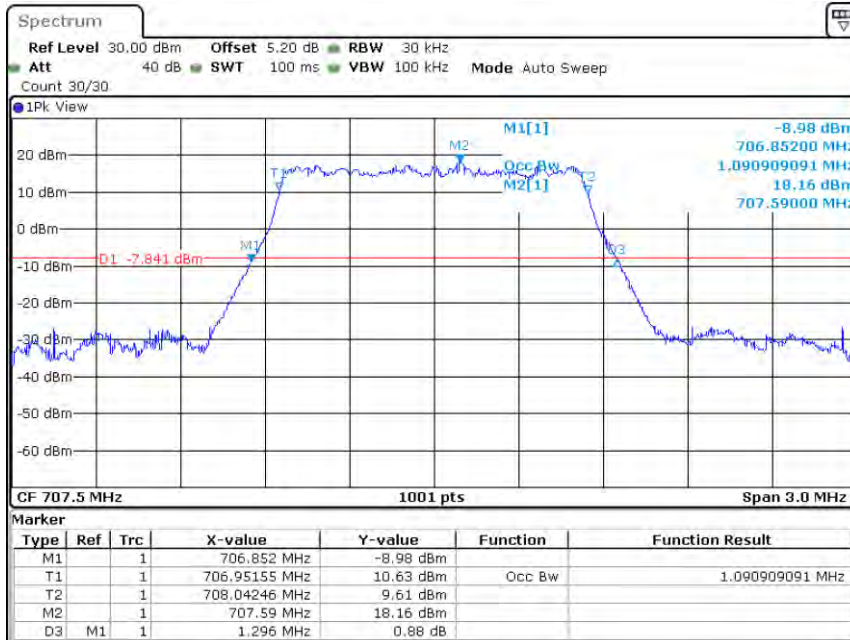
4.2. Test Plots

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



Date: 16.MAY.2021 11:36:52

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



Date: 16.MAY.2021 11:37:18



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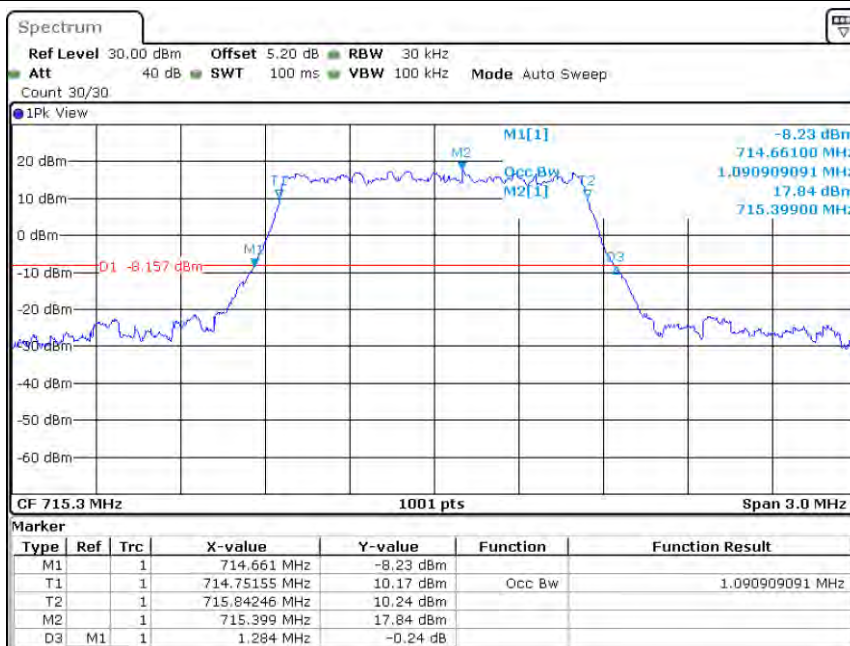
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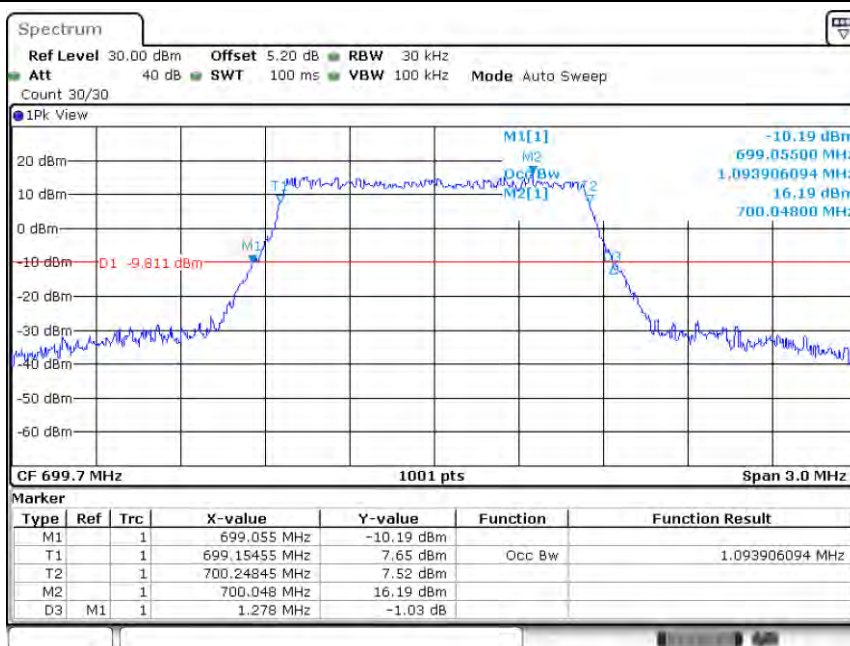


Band12-1.4MHz-QPSK-23173-6RB#0-1.091



Date: 16.MAY.2021 11:37:44

Band12-1.4MHz-64QAM-23017-6RB#0-1.094



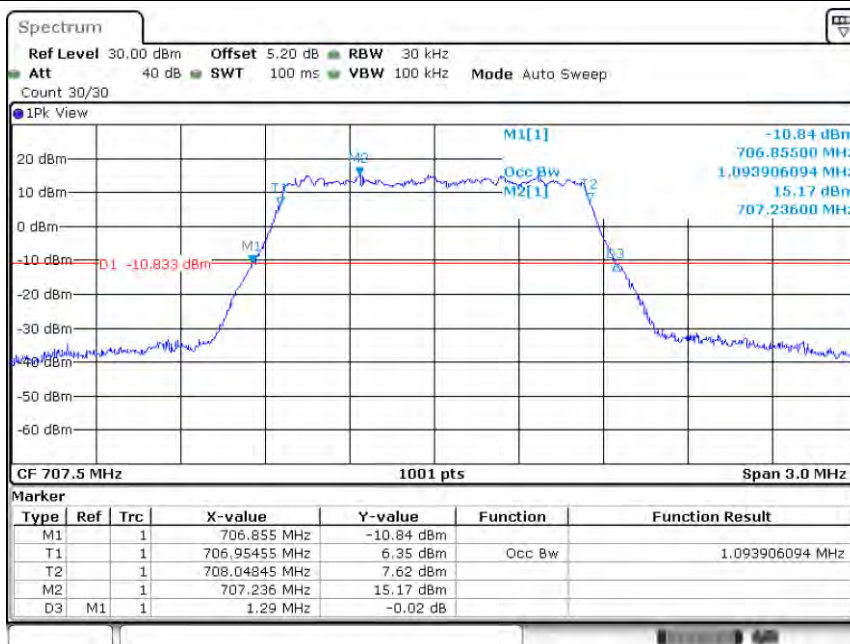
Date: 30.MAY.2021 08:03:21



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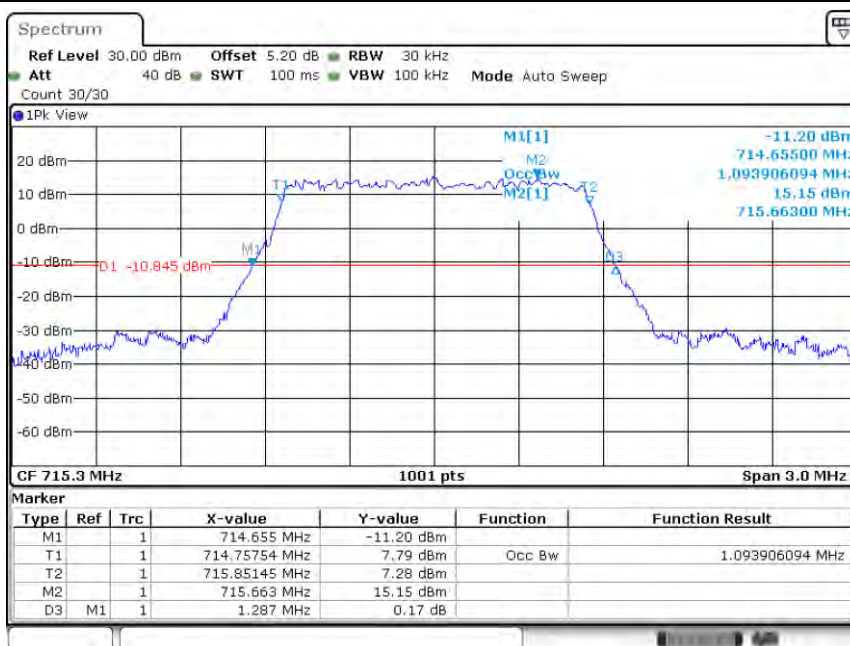
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Band12-1.4MHz-64QAM-23095-6RB#0-1.094



Date: 30.MAY.2021 08:03:34

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



Date: 30.MAY.2021 08:03:47



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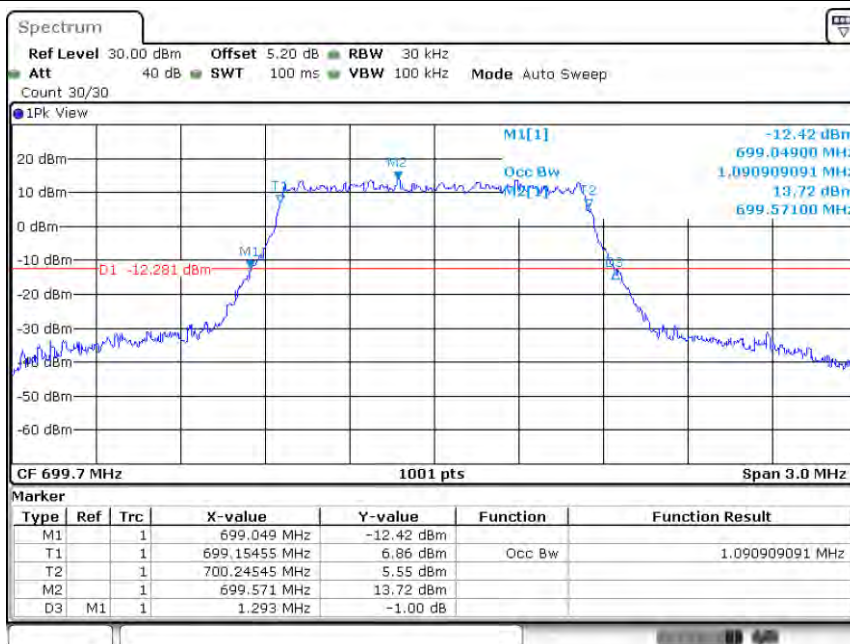
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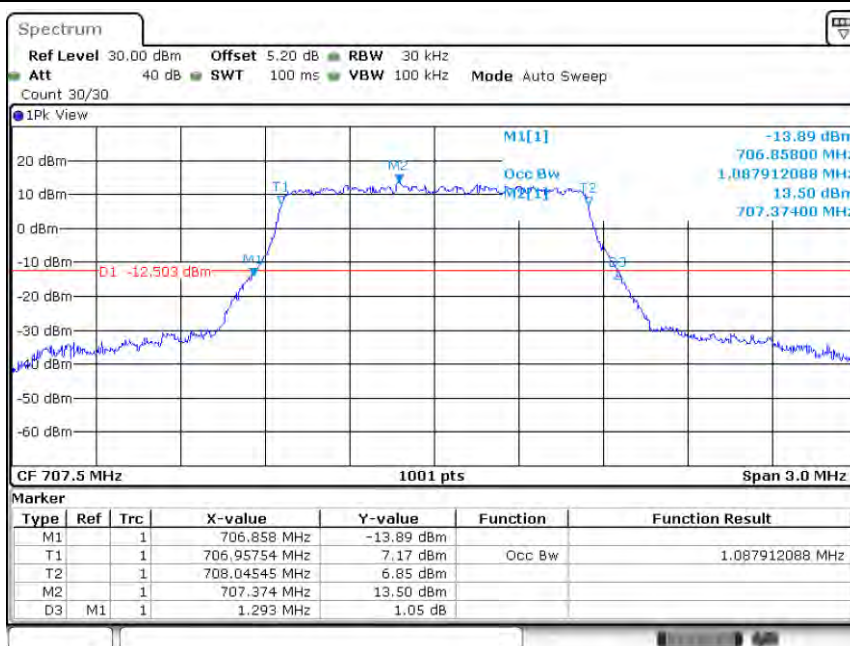


Band12-1.4MHz-256QAM-23017-6RB#0-1.091



Date: 5.MAY.2021 03:34:58

Band12-1.4MHz-256QAM-23095-6RB#0-1.088



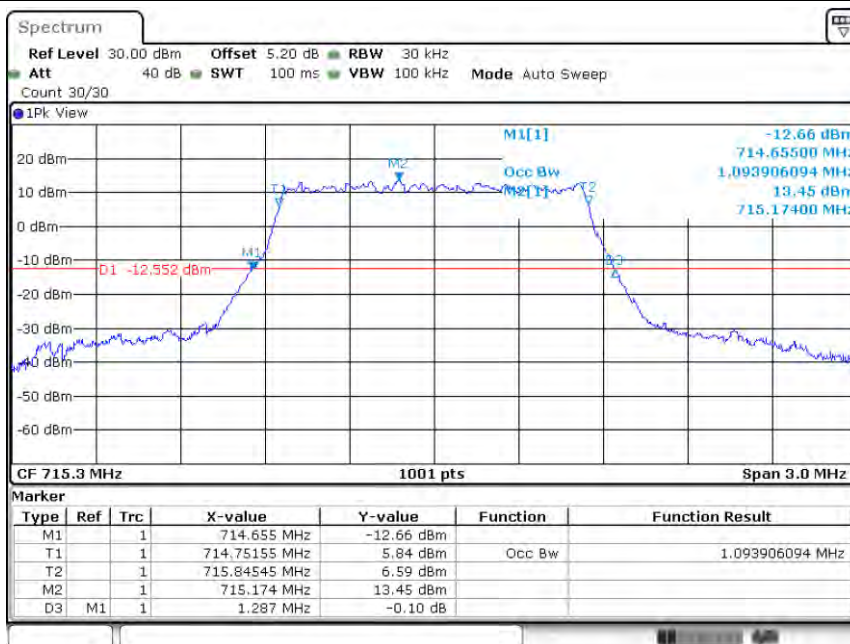
Date: 5.MAY.2021 03:35:12



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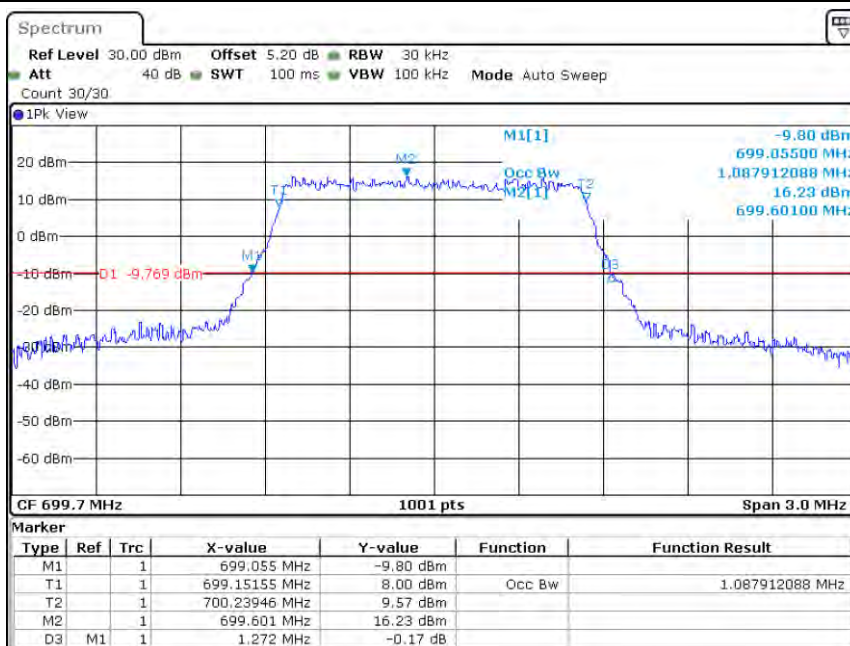
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Band12-1.4MHz-256QAM-23173-6RB#0-1.094



Date: 5.MAY.2021 03:35:26

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



Date: 16.MAY.2021 11:37:05

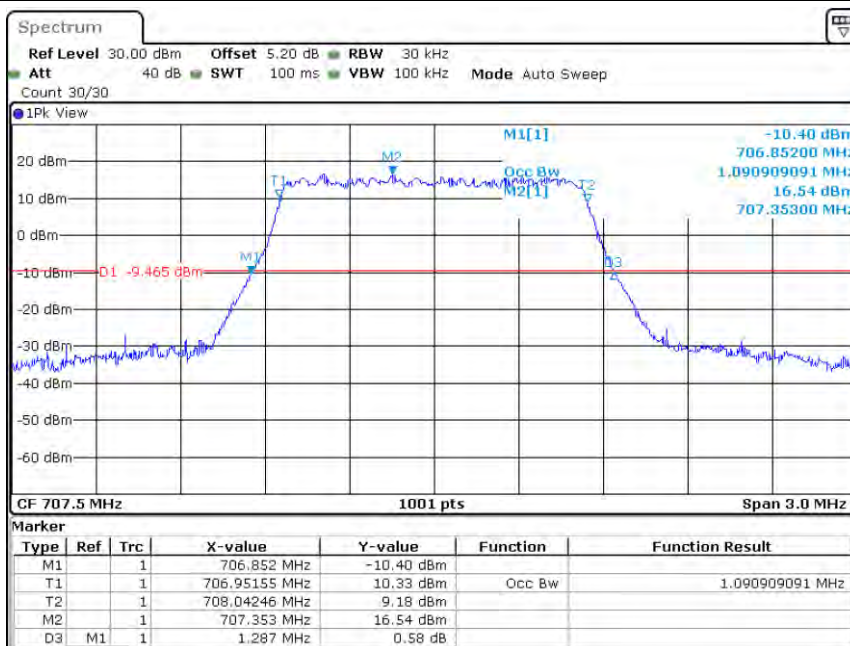


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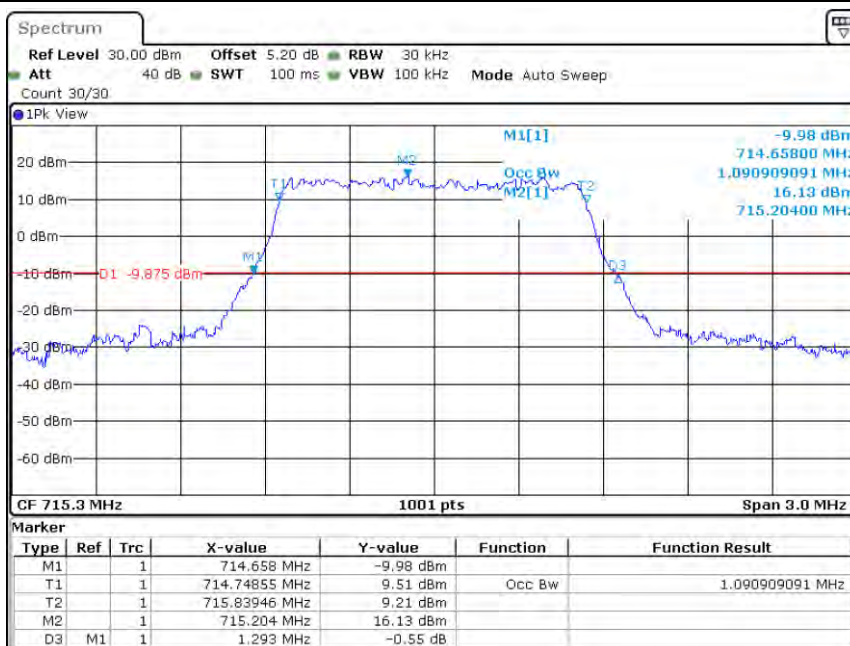


Band12-1.4MHz-16QAM-23095-6RB#0-1.091



Date: 16.MAY.2021 11:37:31

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



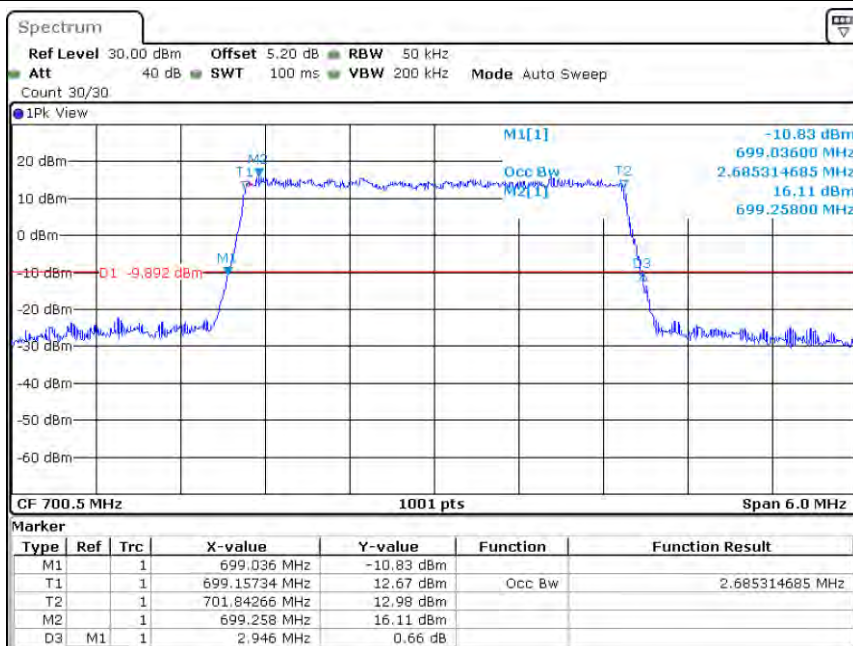
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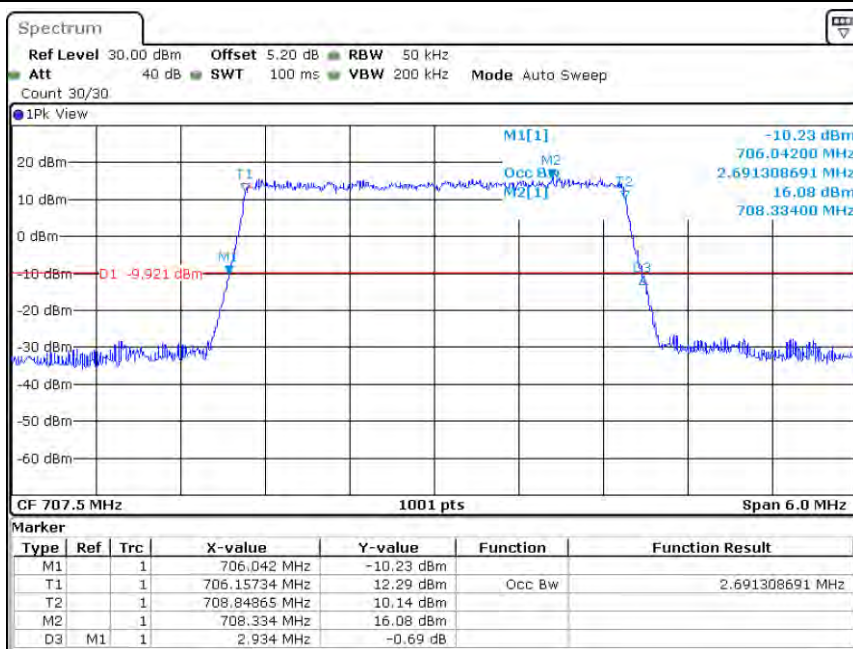
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Band12-3MHz-QPSK-23025-15RB#0-2.685



Date: 16 MAY 2021 11:38:16

Band12-3MHz-QPSK-23095-15RB#0-2.691



Date: 16 MAY 2021 11:38:42



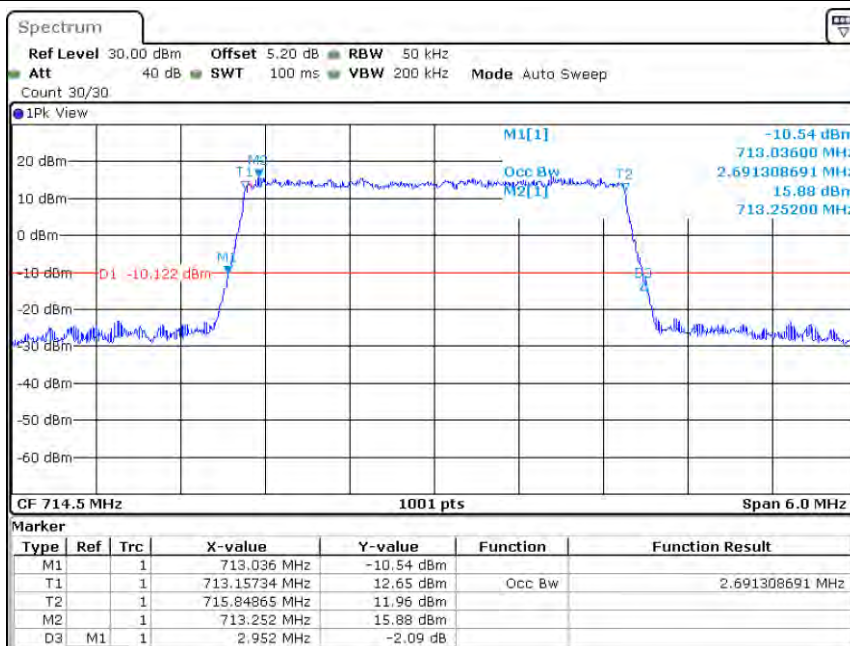
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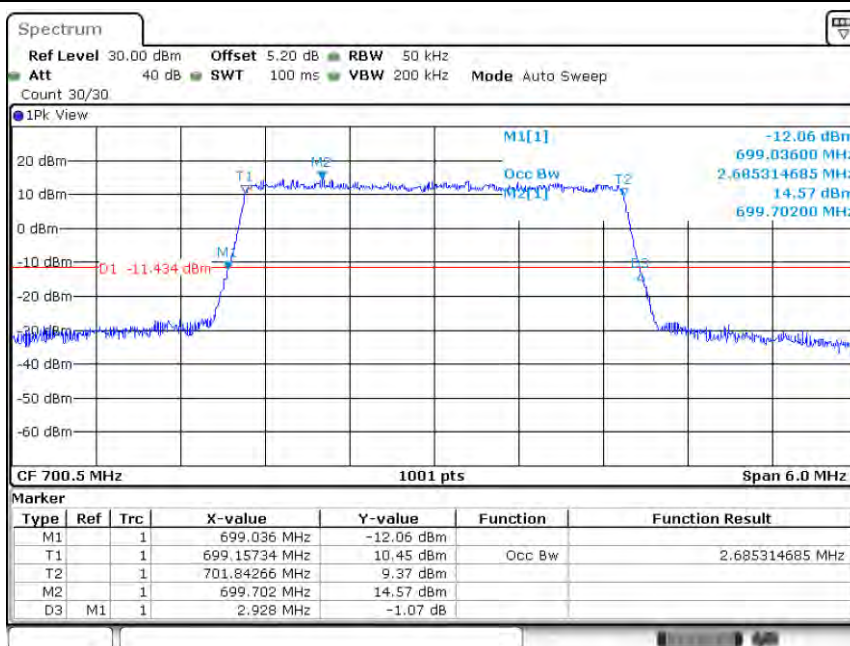


Band12-3MHz-QPSK-23165-15RB#0-2.691



Date: 16.MAY.2021 11:39:08

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



Date: 30.MAY.2021 08:04:07

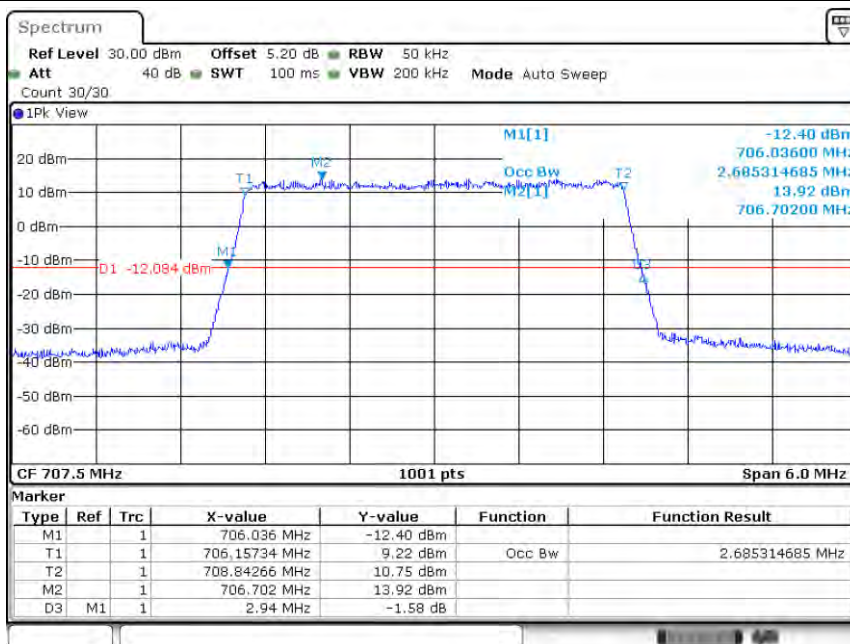


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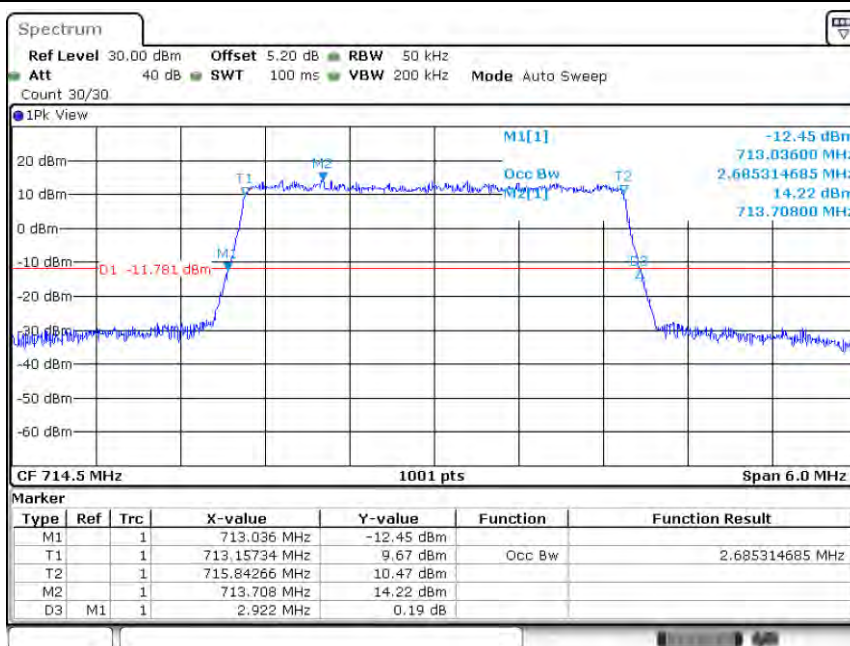


Band12-3MHz-64QAM-23095-15RB#0-2.685



Date: 30.MAY.2021 08:04:20

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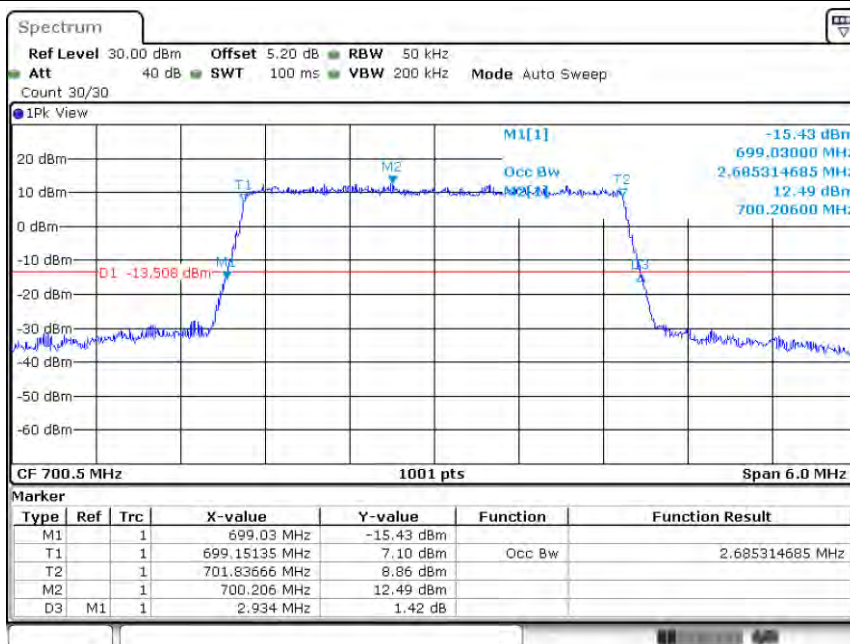


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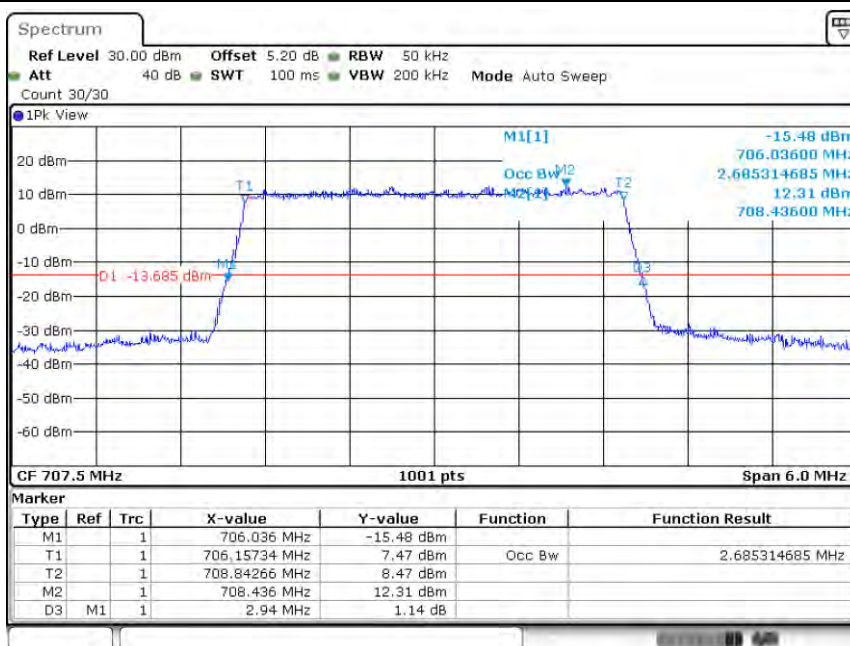


Band12-3MHz-256QAM-23025-15RB#0-2.685



Date: 5.MAY.2021 03:35:44

Band12-3MHz-256QAM-23095-15RB#0-2.685



Date: 5.MAY.2021 03:35:57

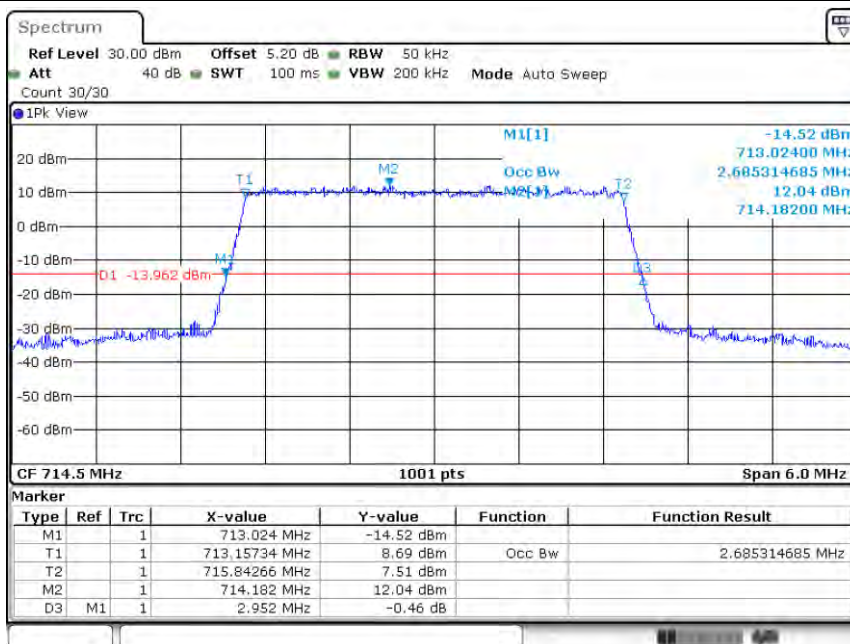


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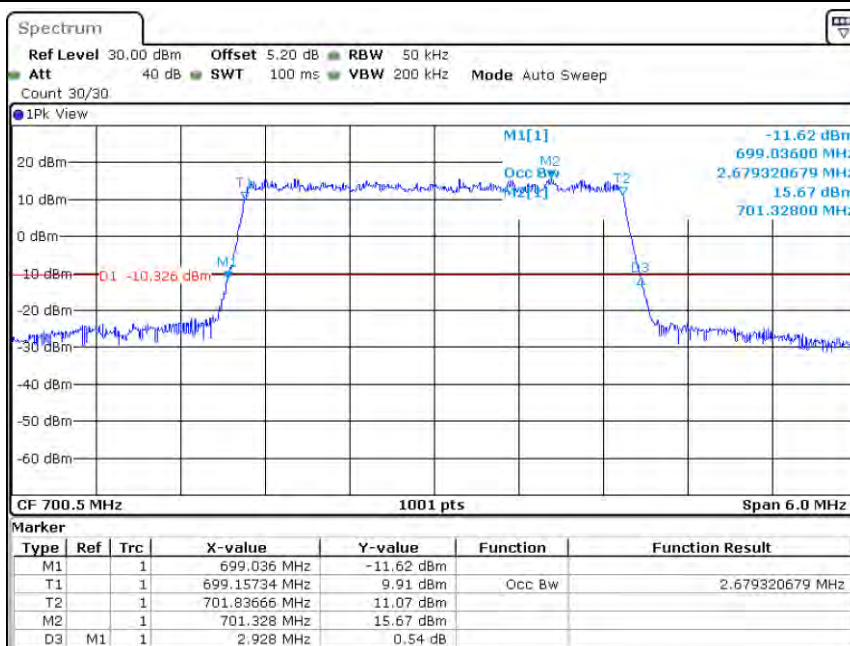


Band12-3MHz-256QAM-23165-15RB#0-2.685



Date: 5.MAY.2021 03:36:10

Band12-3MHz-16QAM-23025-15RB#0-2.679

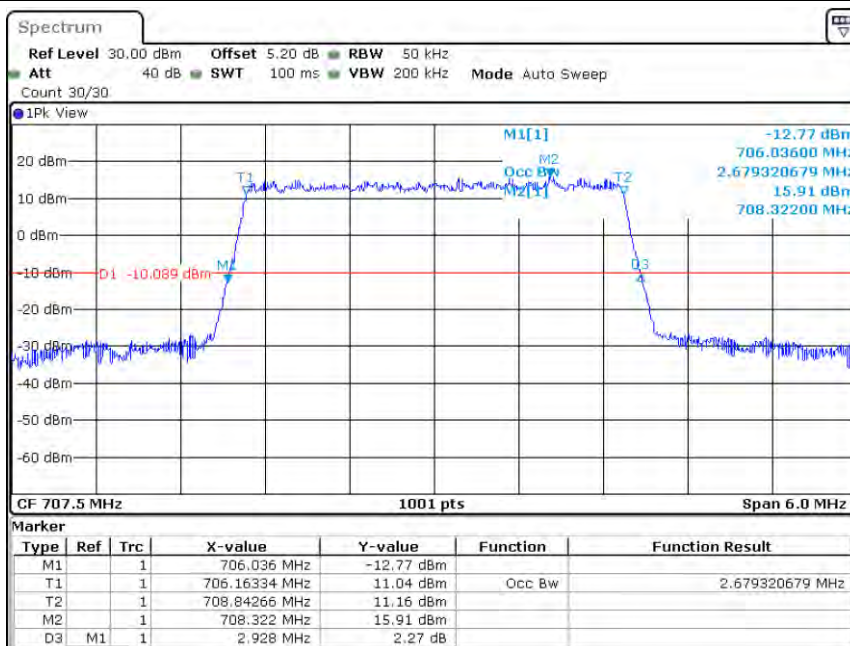


Date: 16.MAY.2021 11:38:29



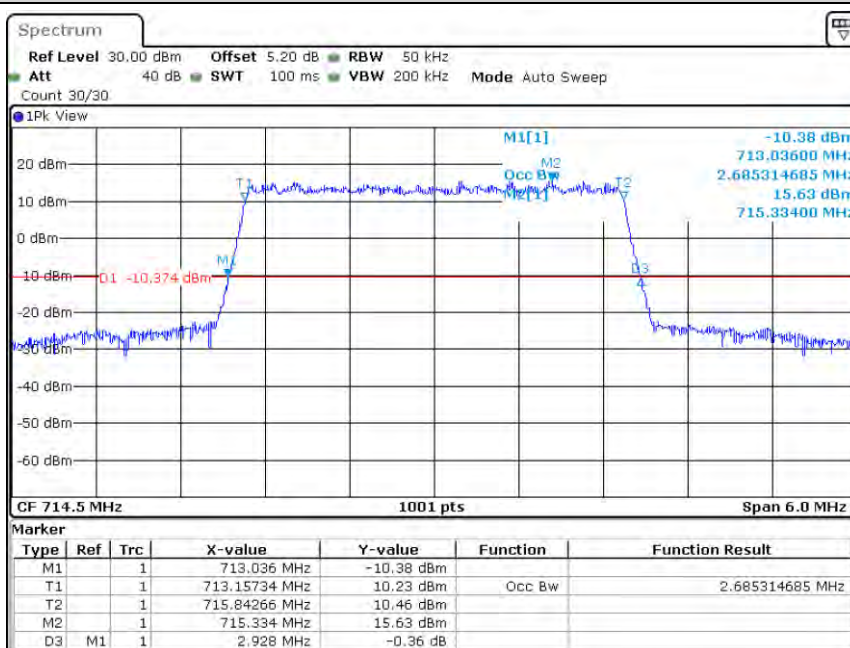


Band12-3MHz-16QAM-23095-15RB#0-2.679



Date: 16.MAY.2021 11:38:55

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

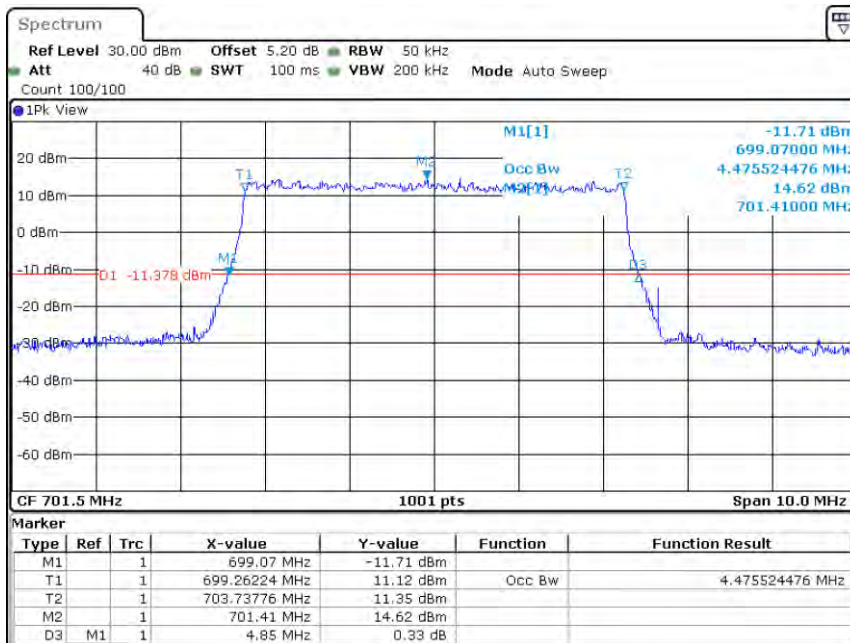


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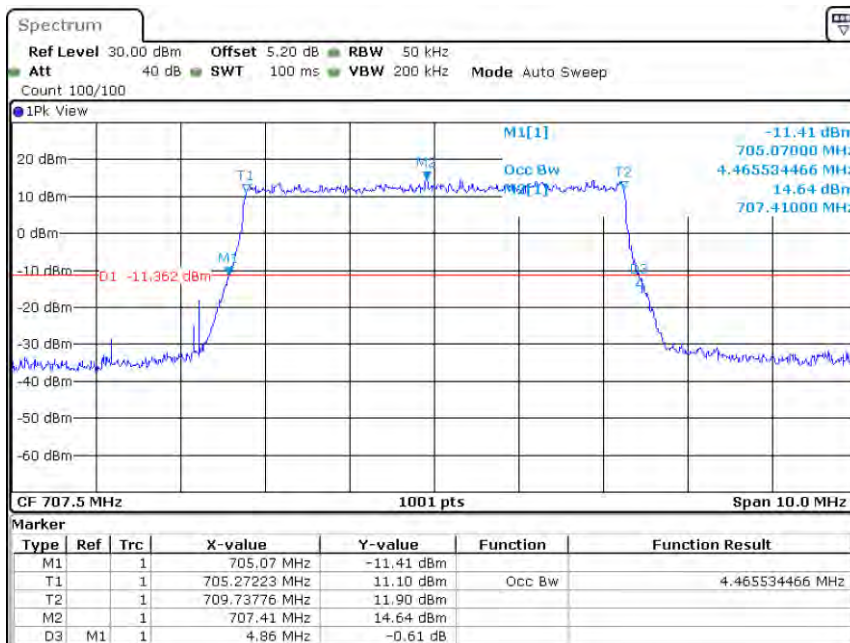


Band12-5MHz-QPSK-23035-25RB#0-4.476



Date: 16.MAY.2021 11:39:46

Band12-5MHz-QPSK-23095-25RB#0-4.466



Date: 16.MAY.2021 11:40:26

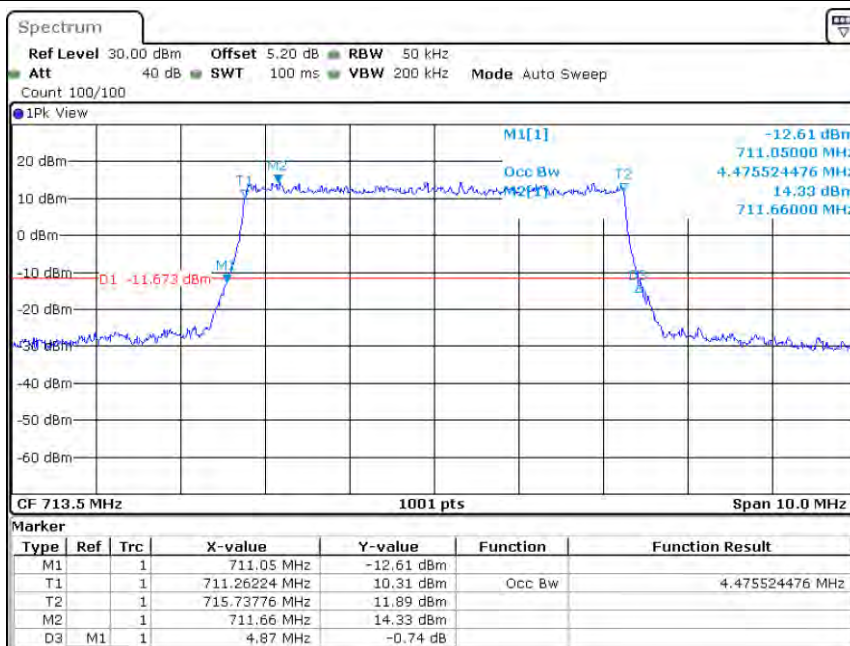


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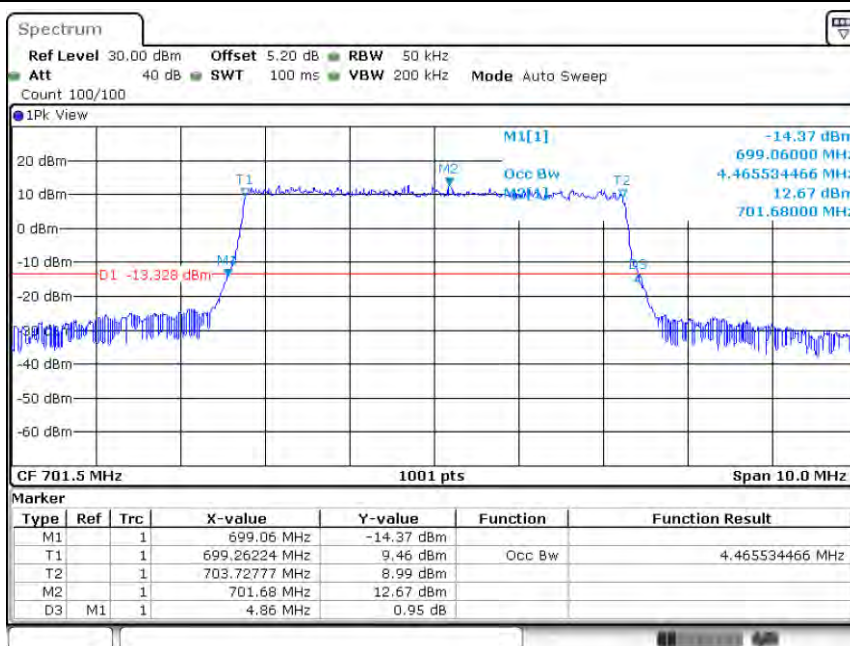


Band12-5MHz-QPSK-23155-25RB#0-4.476



Date: 16.MAY.2021 11:41:06

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



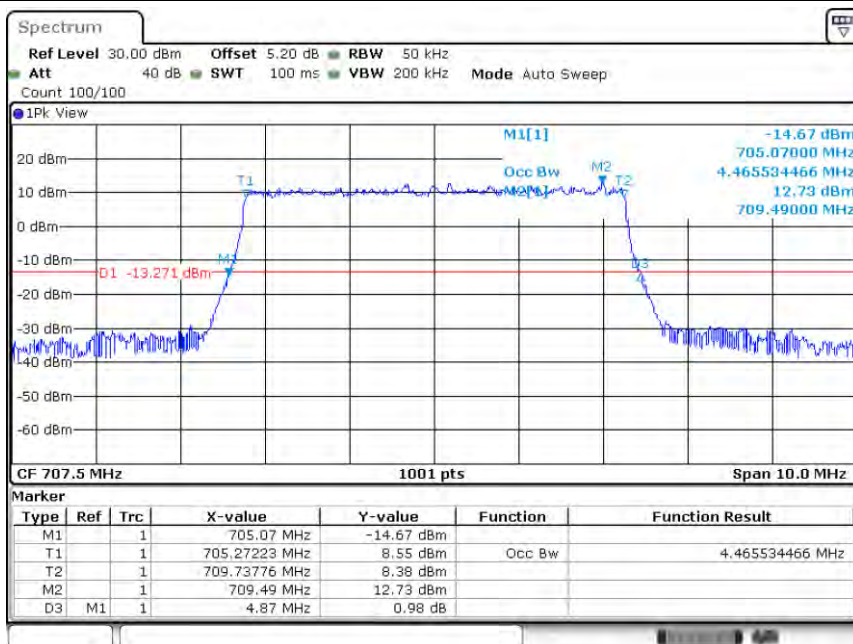
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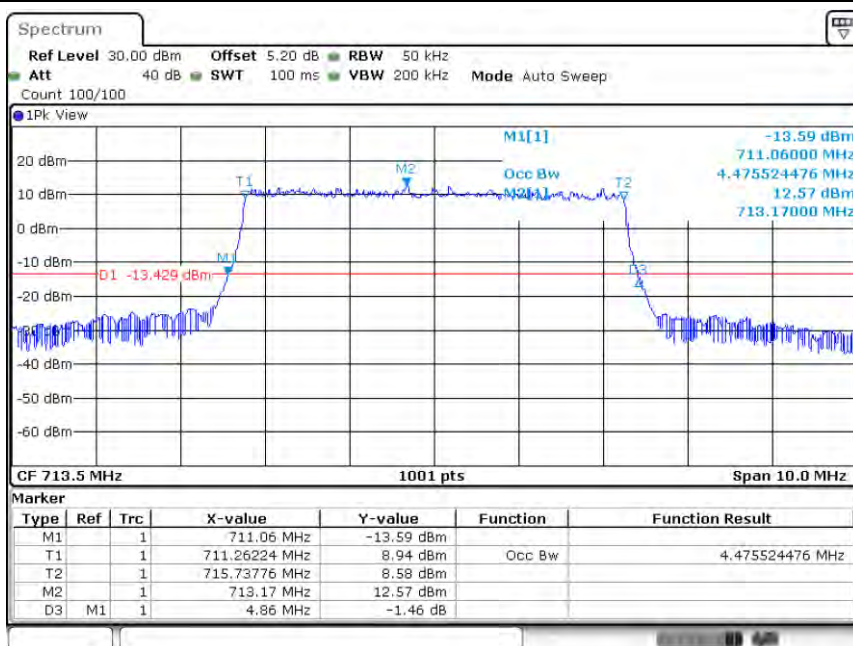
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Band12-5MHz-64QAM-23095-25RB#0-4.466



Date: 30 MAY 2021 08:05:19

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



Date: 30 MAY 2021 08:05:39



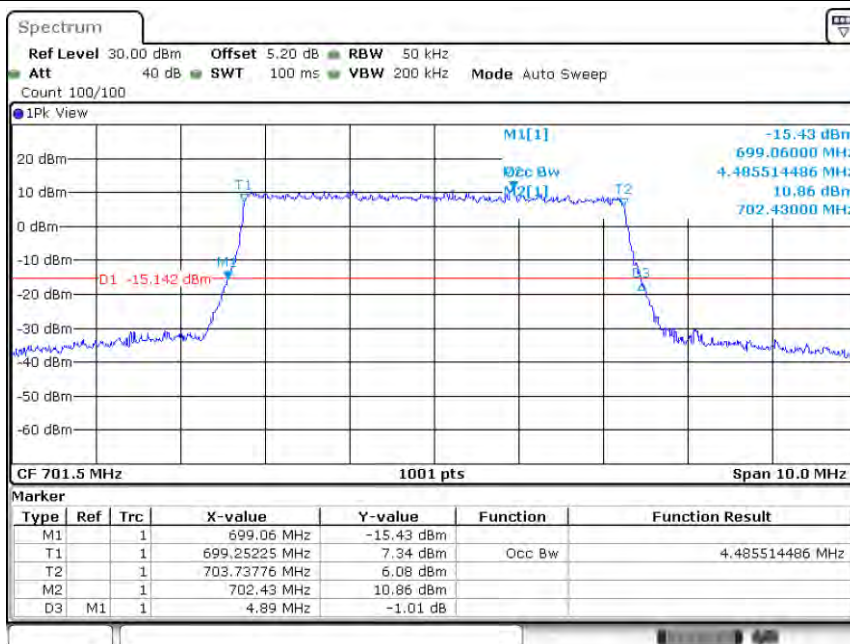
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (Shenzhen) CMAA Laboratory

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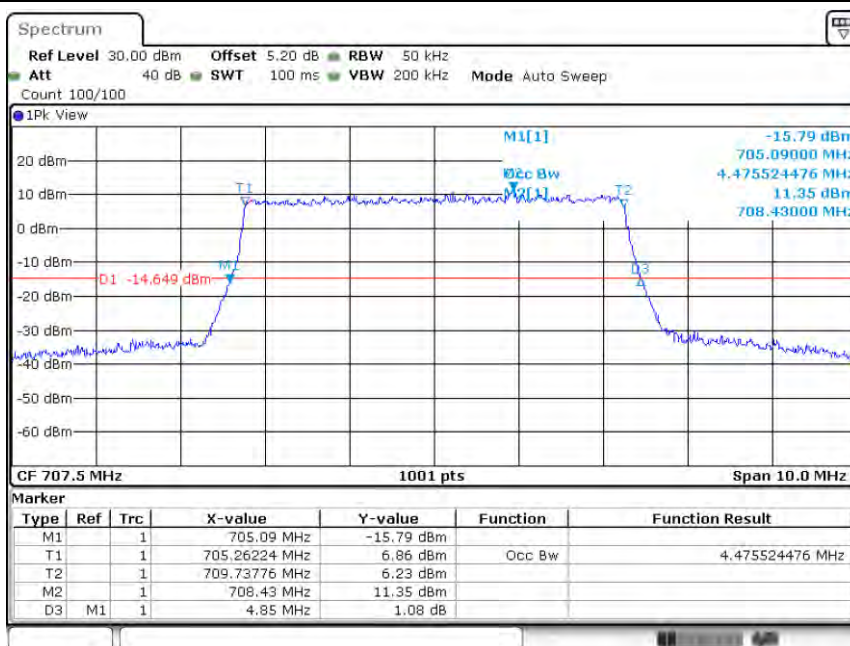


Band12-5MHz-256QAM-23035-25RB#0-4.486



Date: 5.MAY.2021 03:36:35

Band12-5MHz-256QAM-23095-25RB#0-4.476



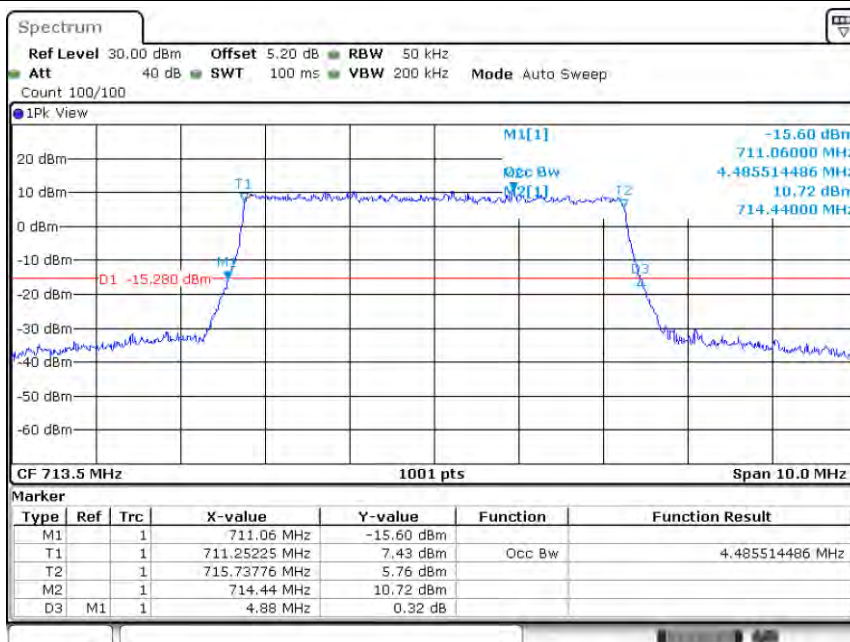
Date: 5.MAY.2021 03:36:55



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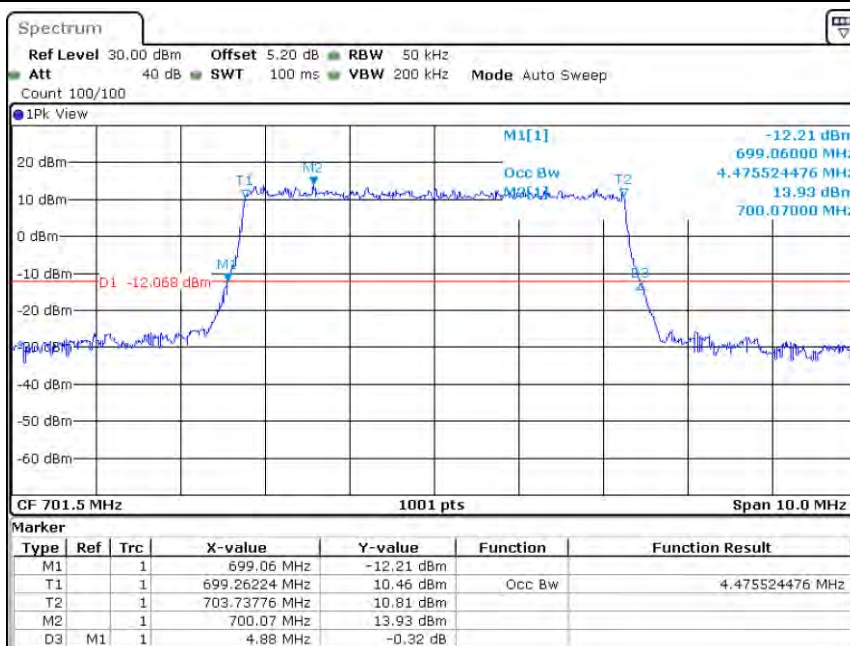
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Band12-5MHz-256QAM-23155-25RB#0-4.486



Date: 5.MAY.2021 03:37:15

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

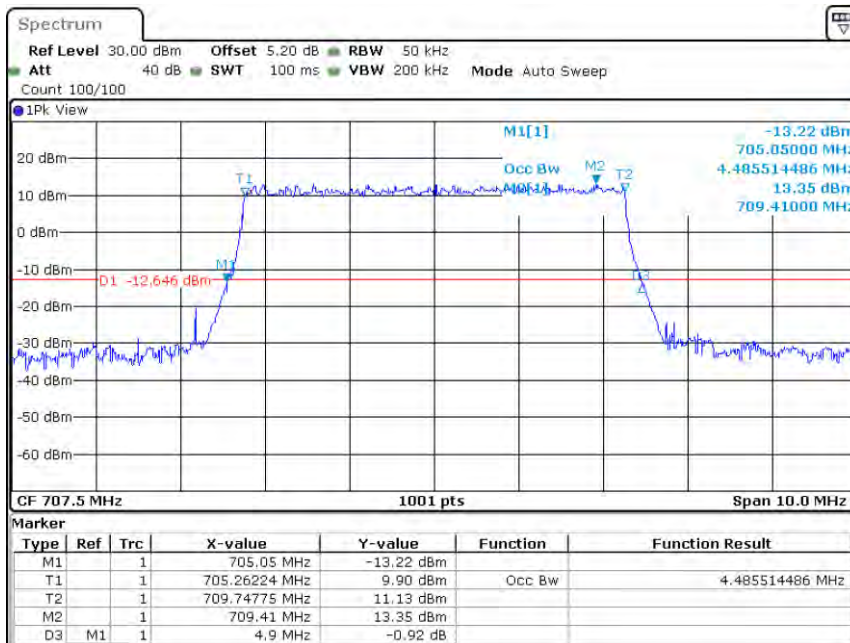


Date: 16.MAY.2021 11:40:06



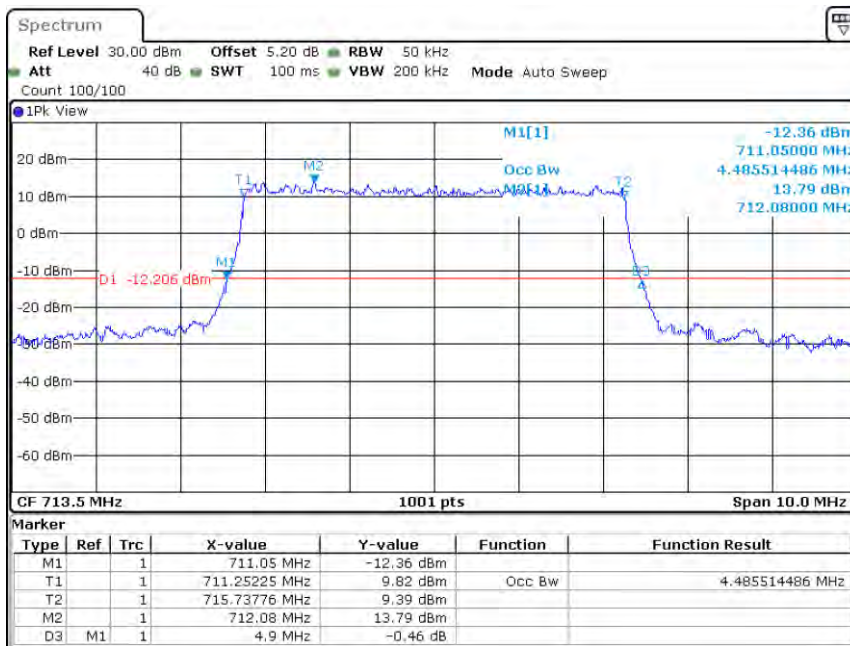


Band12-5MHz-16QAM-23095-25RB#0-4.486



Date: 16.MAY.2021 11:40:45

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



Date: 16.MAY.2021 11:41:25

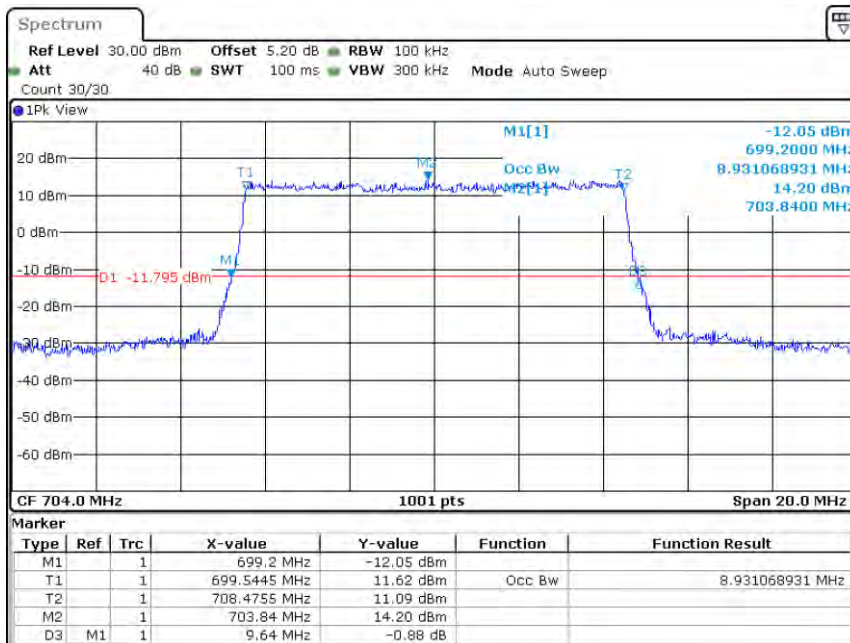


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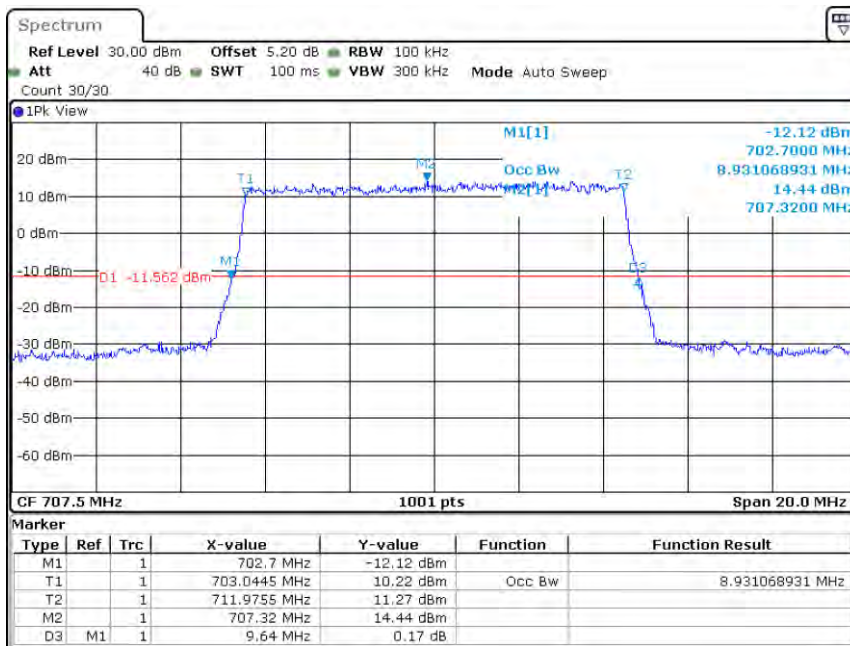


Band12-10MHz-QPSK-23060-50RB#0-8.931



Date: 16.MAY.2021 11:41:44

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



Date: 16.MAY.2021 11:42:10

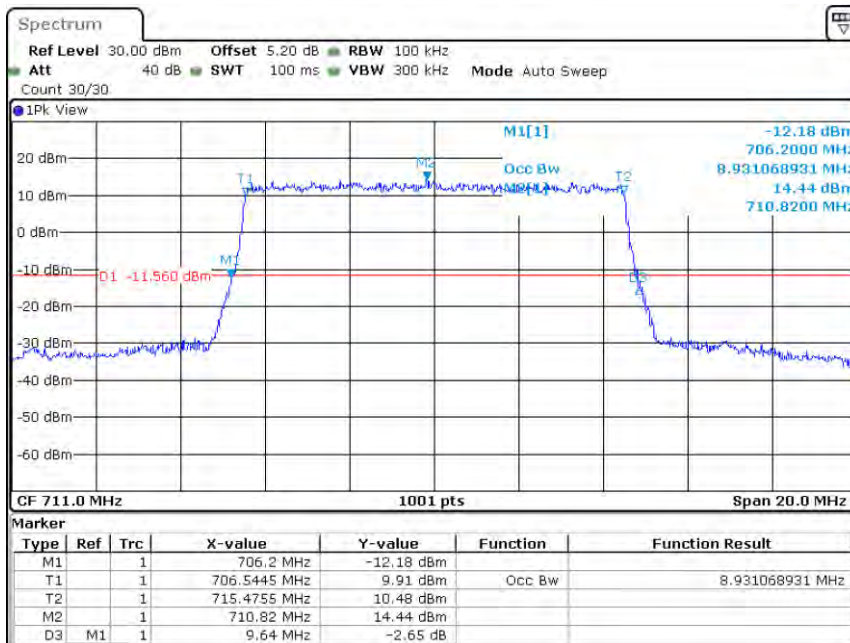


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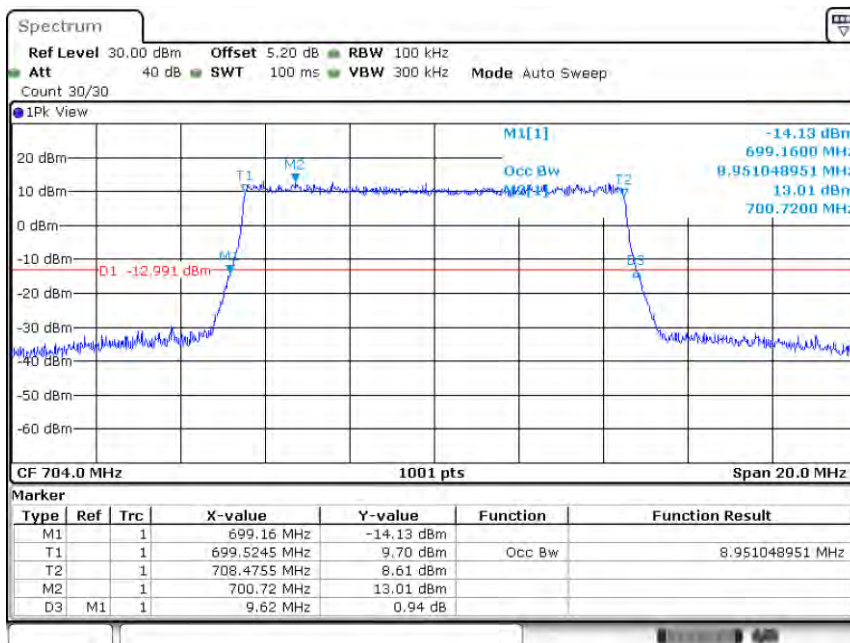


Band12-10MHz-QPSK-23130-50RB#0-8.931



Date: 16.MAY.2021 11:42:36

Band12-10MHz-64QAM-23060-50RB#0-8.951



Date: 30.MAY.2021 08:05:59

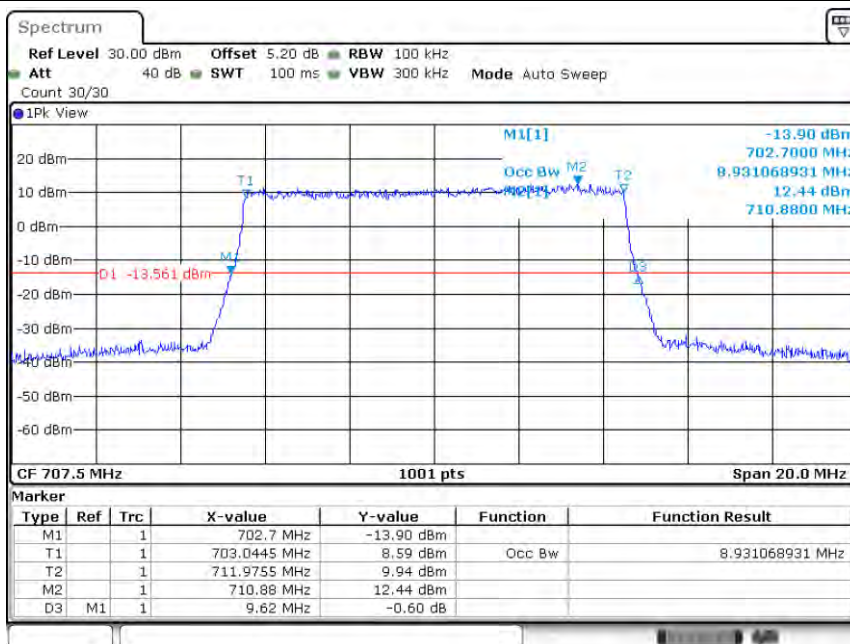


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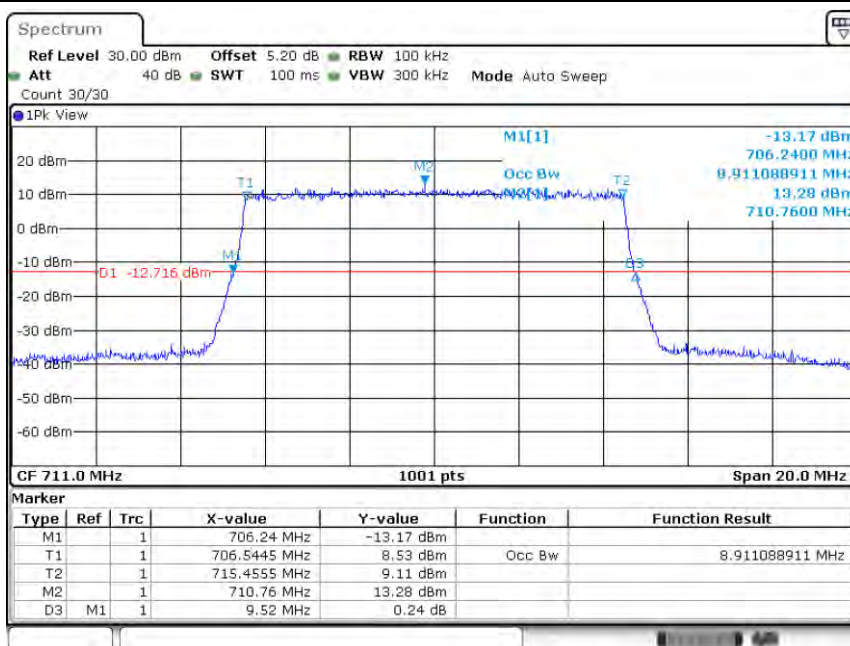


Band12-10MHz-64QAM-23095-50RB#0-8.931



Date: 30.MAY.2021 08:06:12

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



Date: 30.MAY.2021 08:06:25

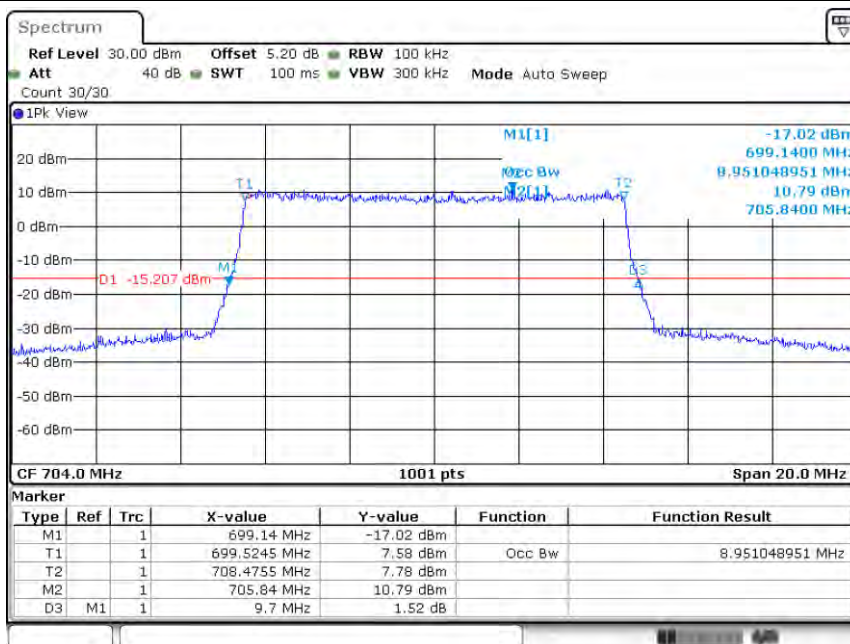


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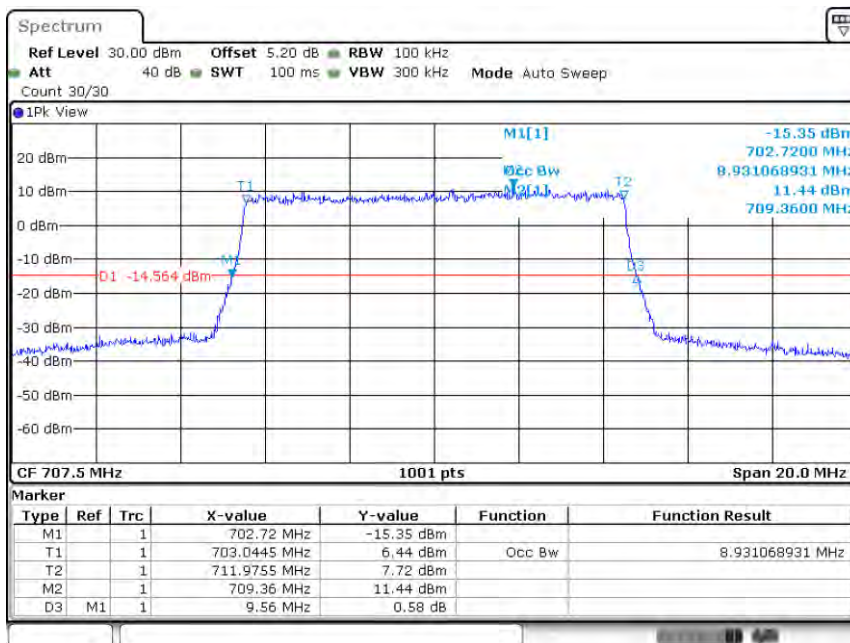


Band12-10MHz-256QAM-23060-50RB#0-8.951



Date: 5.MAY.2021 03:37:33

Band12-10MHz-256QAM-23095-50RB#0-8.931



Date: 5.MAY.2021 03:37:47

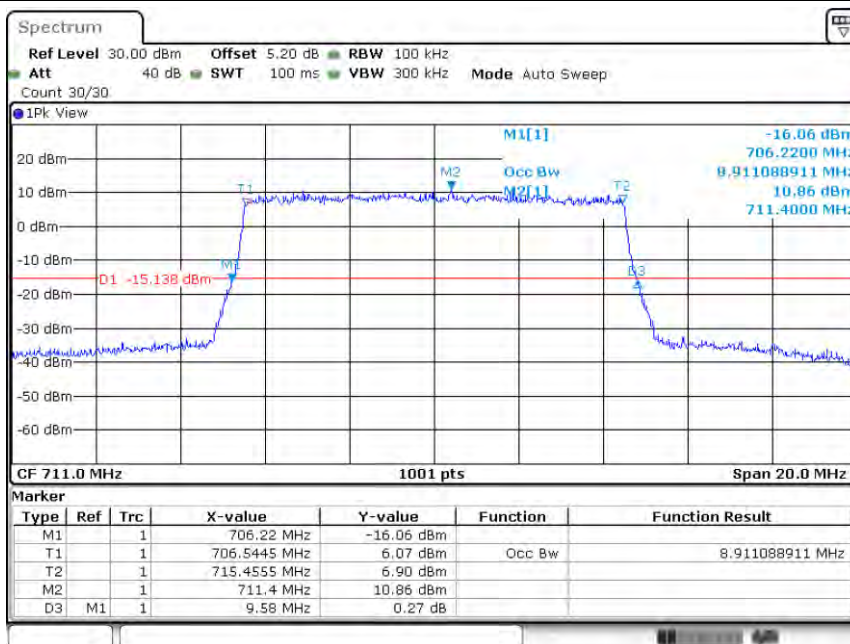


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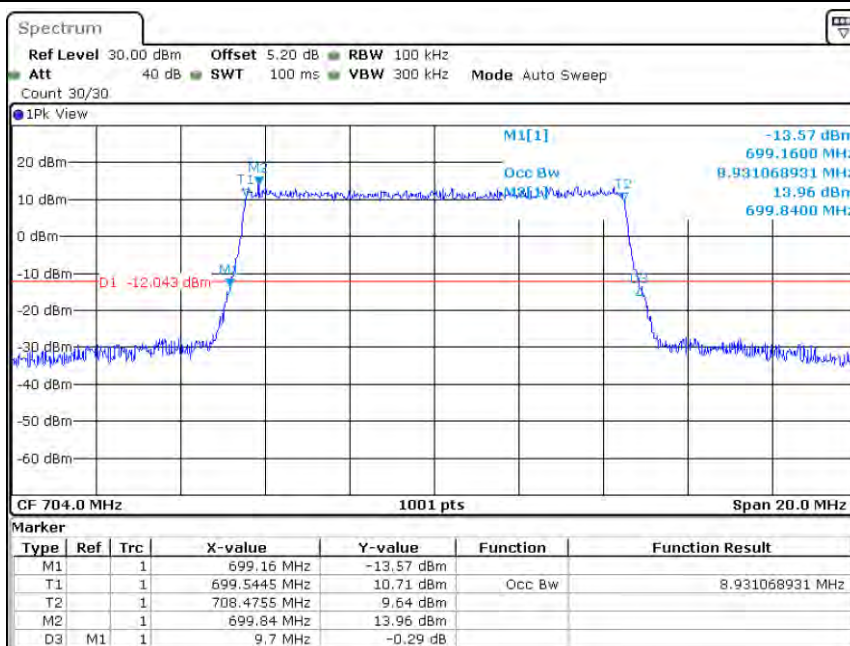


Band12-10MHz-256QAM-23130-50RB#0-8.911



Date: 5.MAY.2021 03:38:00

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



Date: 16.MAY.2021 11:41:57

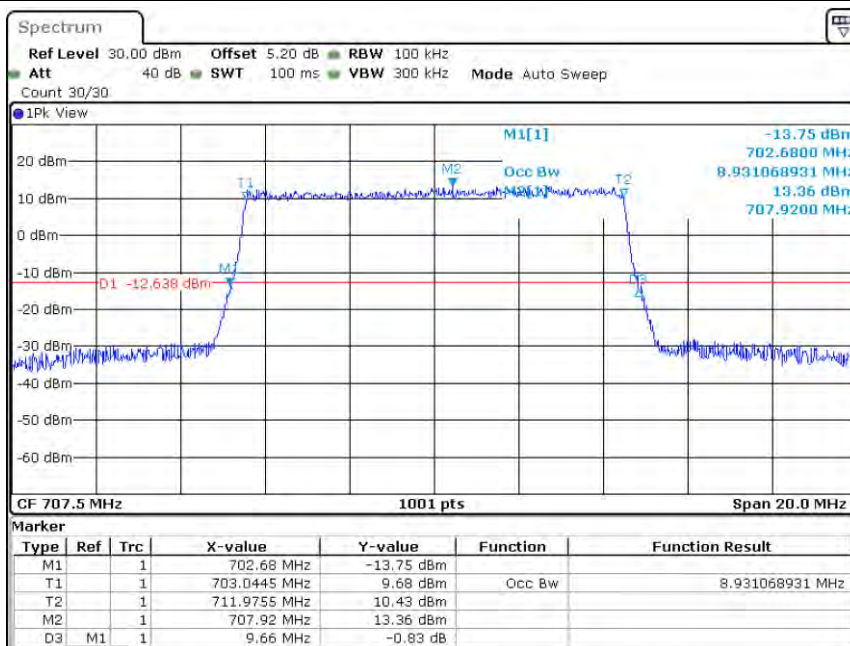


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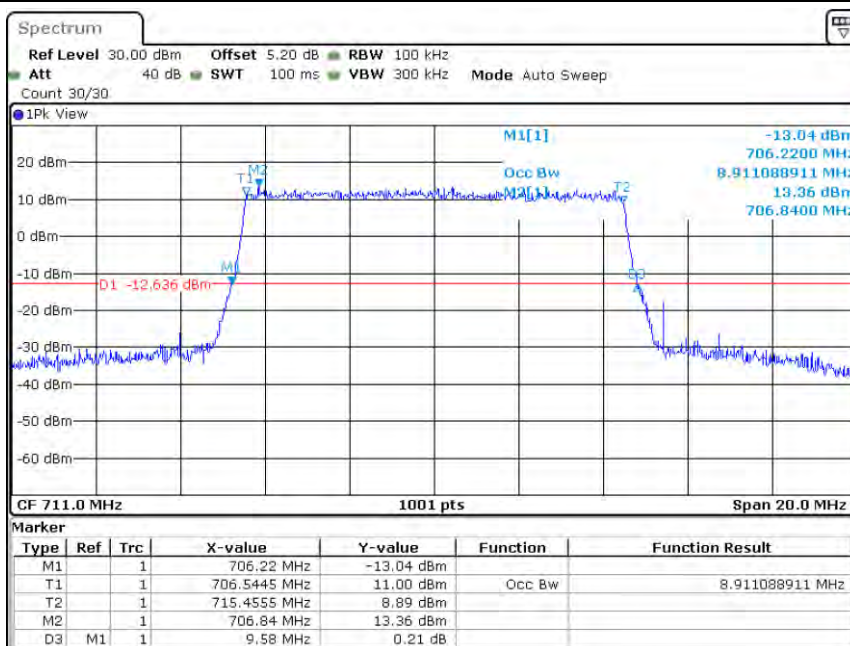


Band12-10MHz-16QAM-23095-50RB#0-8.931



Date: 16.MAY.2021 11:42:22

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



Date: 16.MAY.2021 11:42:48



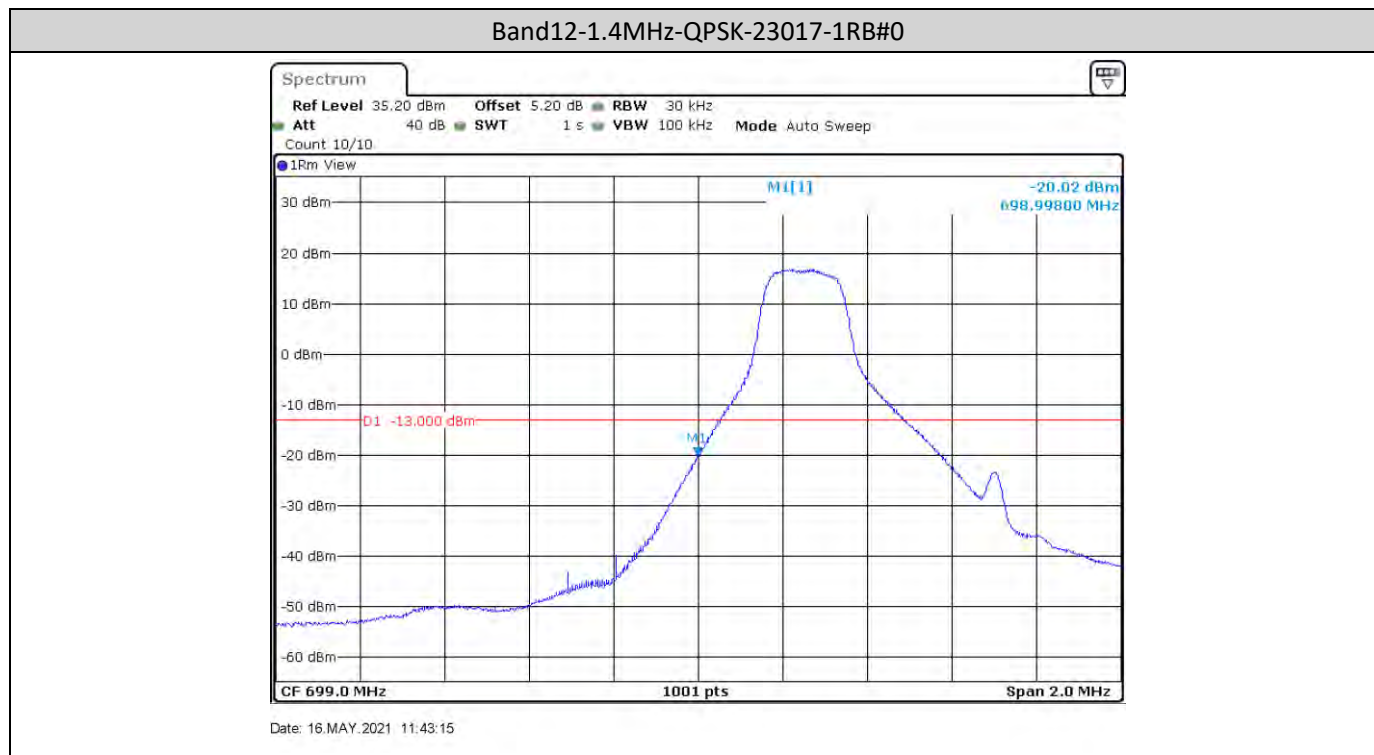
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5. Band Edge Compliance

5.1. Test Plots



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



Date: 16.MAY.2021 11:43:56

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



Date: 16.MAY.2021 11:44:41



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



Date: 16.MAY.2021 11:45:22

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



Date: 16.MAY.2021 11:46:09



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



Date: 16.MAY.2021 11:46:51

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



Date: 16.MAY.2021 11:47:37



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



Date: 16.MAY.2021 11:48:18

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



Date: 16.MAY.2021 11:49:04



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



Date: 16.MAY.2021 11:49:46

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



Date: 16.MAY.2021 11:50:31



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



Date: 16.MAY.2021 11:51:12

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



Date: 16.MAY.2021 11:52:00



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



Date: 16.MAY.2021 11:52:42

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



Date: 16.MAY.2021 11:53:27



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



Date: 16.MAY.2021 11:54:08



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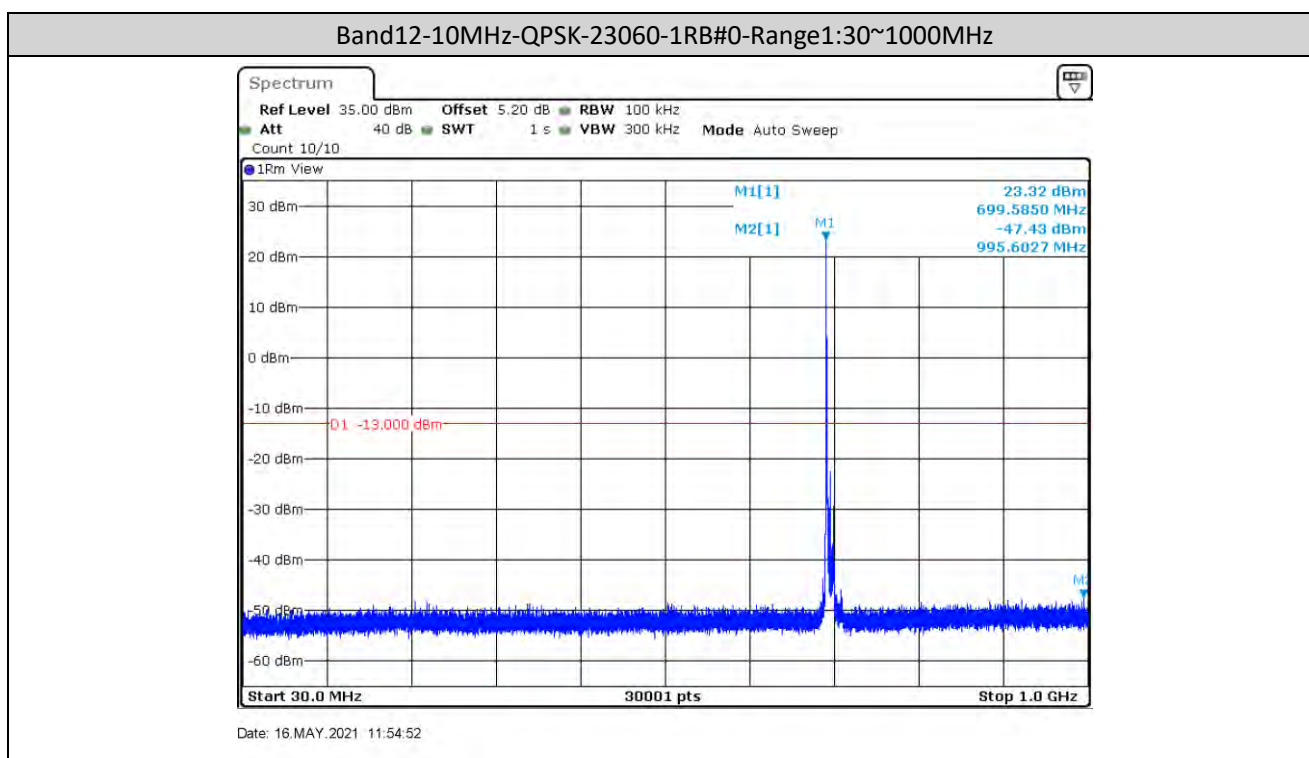
6. Spurious Emission at Antenna Terminal

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.

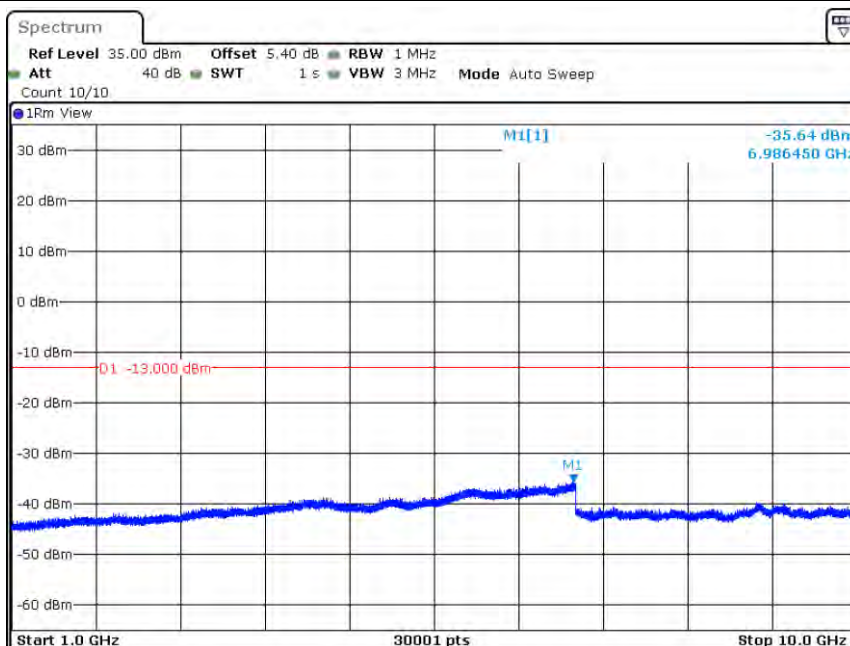
6.1. Test Plots



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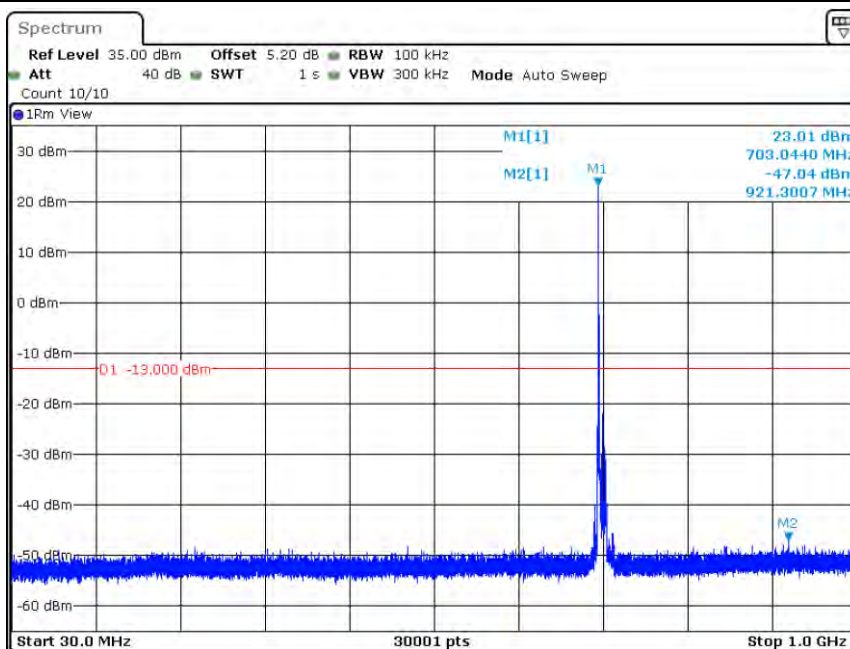
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Band12-10MHz-QPSK-23060-1RB#0-Range2:1000~10000MHz



Date: 16.MAY.2021 11:55:09

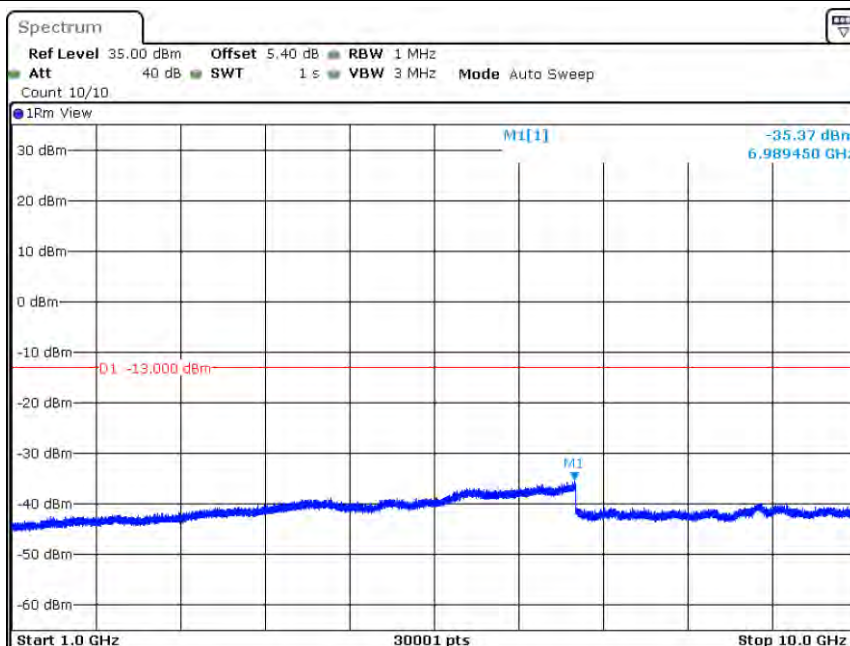
Band12-10MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



Date: 16.MAY.2021 11:56:04

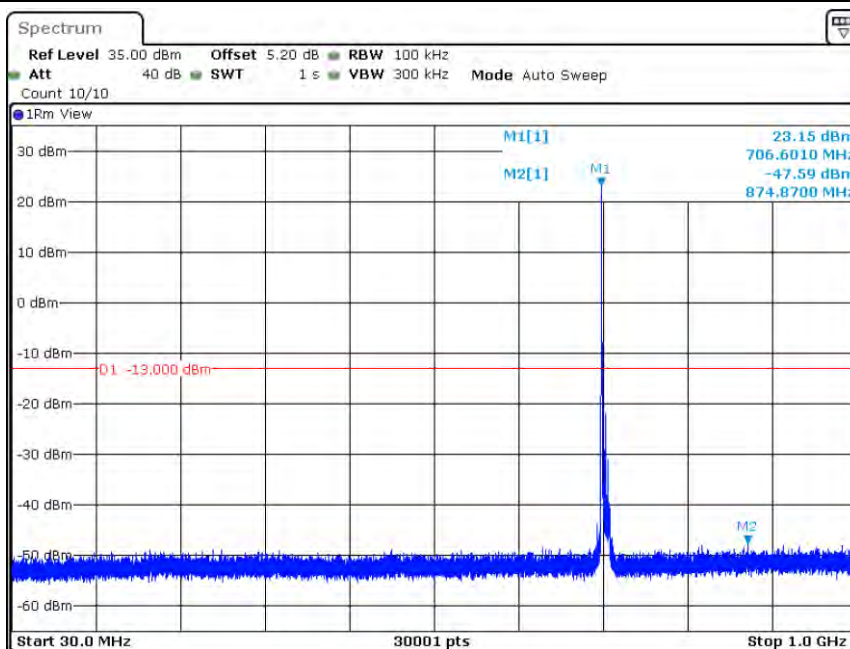


Band12-10MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz



Date: 16.MAY.2021 11:56:19

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



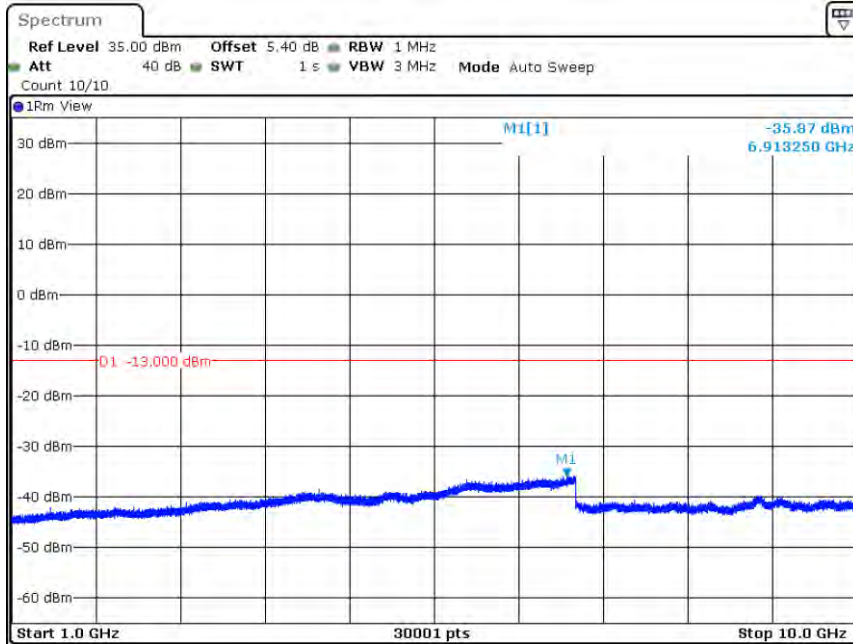
Date: 16.MAY.2021 11:57:15



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



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7. Field Strength of Spurious Radiation

7.1. Test Band =Band 12

7.1.1. Test Channel = Low Channel

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1399.1200	44.38	-44.70	-13.00	31.70	Horizontal
2	1718.7359	31.31	-57.70	-13.00	44.70	Horizontal
3	2343.7672	28.15	-58.50	-13.00	45.50	Horizontal
4	2966.8983	22.13	-60.91	-13.00	47.91	Horizontal
5	5645.4323	49.50	-57.96	-13.00	44.96	Horizontal
6	9342.3171	47.20	-51.65	-13.00	38.65	Horizontal





7.2. Test Band = Band 12

7.2.1. Test Channel = Low Channel

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1399.2200	44.81	-44.27	-13.00	31.27	Vertical
2	1562.5281	38.59	-50.72	-13.00	37.72	Vertical
3	2187.5594	31.12	-55.44	-13.00	42.44	Vertical
4	2994.0997	22.11	-60.79	-13.00	47.79	Vertical
5	5689.8845	49.51	-57.40	-13.00	44.40	Vertical
6	7968.8484	53.50	-48.44	-13.00	35.44	Vertical



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7.3. Test Band = _Band12

7.3.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1406.0508	27.12	-44.02	-13.00	31.02	Horizontal
2	2242.1553	21.11	-47.85	-13.00	34.85	Horizontal
3	4315.5658	52.17	-63.49	-13.00	50.49	Horizontal
4	8433.2717	49.30	-53.04	-13.00	40.04	Horizontal
5	13374.5187	47.05	-45.03	-13.00	32.03	Horizontal
6	16397.9199	48.83	-41.57	-13.00	28.57	Horizontal





7.4. Test Band = _Band12

7.4.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1406.3008	26.88	-44.26	-13.00	31.26	Vertical
2	2226.4033	20.77	-48.03	-13.00	35.03	Vertical
3	5250.1125	51.12	-60.52	-13.00	47.52	Vertical
4	7968.9985	54.02	-48.99	-13.00	35.99	Vertical
5	12814.2407	46.71	-45.76	-13.00	32.76	Vertical
6	15020.8510	46.09	-44.18	-13.00	31.18	Vertical



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7.5. Test Band = Band 12

7.5.1. Test Channel = High Channel

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1413.1207	45.38	-43.67	-13.00	30.67	Horizontal
2	1562.5281	31.90	-57.41	-13.00	44.41	Horizontal
3	1718.6359	31.24	-57.77	-13.00	44.77	Horizontal
4	2976.5988	22.09	-60.90	-13.00	47.90	Horizontal
5	5642.2821	49.39	-58.11	-13.00	45.11	Horizontal
6	9595.7298	46.78	-51.49	-13.00	38.49	Horizontal



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7.6. Test Band = Band 12

7.6.1. Test Channel = High Channel

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1413.2207	43.30	-45.75	-13.00	32.75	Vertical
2	1562.5281	38.69	-50.62	-13.00	37.62	Vertical
3	1718.7359	36.10	-52.91	-13.00	39.91	Vertical
4	2343.6672	30.03	-56.62	-13.00	43.62	Vertical
5	5705.6353	48.85	-58.06	-13.00	45.06	Vertical
6	7968.8484	53.01	-48.93	-13.00	35.93	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	-4.40	-0.006250	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VN	NT	-2.10	-0.002983	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VH	NT	-1.50	-0.002131	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VL	NT	4.20	0.005936	±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	4.70	0.006643	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VL	NT	7.00	0.009845	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VN	NT	1.40	0.001969	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VH	NT	4.60	0.006470	±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	1.50	0.002131	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-20	1.10	0.001563	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-10	-0.20	-0.000284	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	0	-0.20	-0.000284	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	10	1.10	0.001563	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	20	6.10	0.008665	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	30	1.30	0.001847	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	40	3.10	0.004403	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	50	1.40	0.001989	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-30	2.00	0.002827	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-20	-1.10	-0.001555	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-10	-0.70	-0.000989	±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	0.60	0.000848	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	20	-0.90	-0.001272	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	30	4.40	0.006219	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	40	1.90	0.002686	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	50	-0.60	-0.000848	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-30	4.30	0.006048	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-20	-2.30	-0.003235	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-10	3.60	0.005063	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	0	2.30	0.003235	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	10	1.40	0.001969	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	20	8.00	0.011252	±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	2.20	0.003094	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	50	-0.90	-0.001266	±2.5	PASS

