



Appendix B

E-UTRA Band 12



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1 Effective (Isotropic) Radiated Power

1.1 Test Result

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	23.02	19.66	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	23.09	19.73	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	22.99	19.63	34.77	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	23.05	19.69	34.77	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	23.09	19.73	34.77	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	23.09	19.73	34.77	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.08	18.72	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	22.97	19.61	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.07	19.71	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	22.98	19.62	34.77	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	23.03	19.67	34.77	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	23.10	19.74	34.77	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	23.05	19.69	34.77	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.06	18.7	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	22.96	19.6	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.11	19.75	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	23.04	19.68	34.77	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	23.04	19.68	34.77	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	23.16	19.8	34.77	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	23.11	19.75	34.77	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.09	18.73	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	22.24	18.88	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	22.35	18.99	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	22.19	18.83	34.77	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	22.20	18.84	34.77	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	22.12	18.76	34.77	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	22.12	18.76	34.77	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	21.14	17.78	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	22.23	18.87	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	22.32	18.96	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.18	18.82	34.77	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	22.12	18.76	34.77	PASS



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Band12	1.4MHz	16QAM	23095	3RB#1	22.23	18.87	34.77	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	22.11	18.75	34.77	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	21.10	17.74	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	22.32	18.96	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	22.43	19.07	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	22.30	18.94	34.77	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	22.11	18.75	34.77	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	22.22	18.86	34.77	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	22.20	18.84	34.77	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	21.16	17.8	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#0	21.91	18.55	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#2	21.93	18.57	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#5	21.84	18.48	34.77	PASS
Band12	1.4MHz	64QAM	23017	3RB#0	21.92	18.56	34.77	PASS
Band12	1.4MHz	64QAM	23017	3RB#1	21.94	18.58	34.77	PASS
Band12	1.4MHz	64QAM	23017	3RB#3	21.84	18.48	34.77	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	20.77	17.41	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#0	21.80	18.44	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#2	21.91	18.55	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#5	21.74	18.38	34.77	PASS
Band12	1.4MHz	64QAM	23095	3RB#0	21.84	18.48	34.77	PASS
Band12	1.4MHz	64QAM	23095	3RB#1	21.91	18.55	34.77	PASS
Band12	1.4MHz	64QAM	23095	3RB#3	21.80	18.44	34.77	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	20.77	17.41	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#0	21.84	18.48	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#2	21.96	18.6	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#5	21.89	18.53	34.77	PASS
Band12	1.4MHz	64QAM	23173	3RB#0	21.80	18.44	34.77	PASS
Band12	1.4MHz	64QAM	23173	3RB#1	21.97	18.61	34.77	PASS
Band12	1.4MHz	64QAM	23173	3RB#3	21.90	18.54	34.77	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	20.79	17.43	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#0	23.14	19.78	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#8	23.05	19.69	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.12	19.76	34.77	PASS
Band12	3MHz	QPSK	23025	8RB#0	22.14	18.78	34.77	PASS
Band12	3MHz	QPSK	23025	8RB#4	22.15	18.79	34.77	PASS
Band12	3MHz	QPSK	23025	8RB#7	22.12	18.76	34.77	PASS
Band12	3MHz	QPSK	23025	15RB#0	22.10	18.74	34.77	PASS



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Band12	3MHz	QPSK	23095	1RB#0	23.20	19.84	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#8	23.06	19.7	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#14	23.15	19.79	34.77	PASS
Band12	3MHz	QPSK	23095	8RB#0	22.22	18.86	34.77	PASS
Band12	3MHz	QPSK	23095	8RB#4	22.16	18.8	34.77	PASS
Band12	3MHz	QPSK	23095	8RB#7	22.20	18.84	34.77	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.25	18.89	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.04	19.68	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#8	23.03	19.67	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#14	23.11	19.75	34.77	PASS
Band12	3MHz	QPSK	23165	8RB#0	22.09	18.73	34.77	PASS
Band12	3MHz	QPSK	23165	8RB#4	22.13	18.77	34.77	PASS
Band12	3MHz	QPSK	23165	8RB#7	22.17	18.81	34.77	PASS
Band12	3MHz	QPSK	23165	15RB#0	22.13	18.77	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#0	22.33	18.97	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#8	22.32	18.96	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#14	22.37	19.01	34.77	PASS
Band12	3MHz	16QAM	23025	8RB#0	21.18	17.82	34.77	PASS
Band12	3MHz	16QAM	23025	8RB#4	21.14	17.78	34.77	PASS
Band12	3MHz	16QAM	23025	8RB#7	21.14	17.78	34.77	PASS
Band12	3MHz	16QAM	23025	15RB#0	21.08	17.72	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#0	22.51	19.15	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#8	22.29	18.93	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.46	19.1	34.77	PASS
Band12	3MHz	16QAM	23095	8RB#0	21.27	17.91	34.77	PASS
Band12	3MHz	16QAM	23095	8RB#4	21.21	17.85	34.77	PASS
Band12	3MHz	16QAM	23095	8RB#7	21.26	17.9	34.77	PASS
Band12	3MHz	16QAM	23095	15RB#0	21.20	17.84	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#0	22.39	19.03	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#8	22.25	18.89	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#14	22.34	18.98	34.77	PASS
Band12	3MHz	16QAM	23165	8RB#0	21.16	17.8	34.77	PASS
Band12	3MHz	16QAM	23165	8RB#4	21.14	17.78	34.77	PASS
Band12	3MHz	16QAM	23165	8RB#7	21.22	17.86	34.77	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.10	17.74	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#0	21.96	18.6	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#8	21.92	18.56	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#14	22.04	18.68	34.77	PASS



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Band12	3MHz	64QAM	23025	8RB#4	20.87	17.51	34.77	PASS
Band12	3MHz	64QAM	23025	8RB#7	20.84	17.48	34.77	PASS
Band12	3MHz	64QAM	23025	15RB#0	20.87	17.51	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#0	22.05	18.69	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#8	21.90	18.54	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#14	22.03	18.67	34.77	PASS
Band12	3MHz	64QAM	23095	8RB#0	20.95	17.59	34.77	PASS
Band12	3MHz	64QAM	23095	8RB#4	20.88	17.52	34.77	PASS
Band12	3MHz	64QAM	23095	8RB#7	20.91	17.55	34.77	PASS
Band12	3MHz	64QAM	23095	15RB#0	20.95	17.59	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#0	21.93	18.57	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#8	21.91	18.55	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#14	21.91	18.55	34.77	PASS
Band12	3MHz	64QAM	23165	8RB#0	20.86	17.5	34.77	PASS
Band12	3MHz	64QAM	23165	8RB#4	20.82	17.46	34.77	PASS
Band12	3MHz	64QAM	23165	8RB#7	20.93	17.57	34.77	PASS
Band12	3MHz	64QAM	23165	15RB#0	20.82	17.46	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#0	23.14	19.78	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.21	19.85	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#24	23.12	19.76	34.77	PASS
Band12	5MHz	QPSK	23035	12RB#0	22.16	18.8	34.77	PASS
Band12	5MHz	QPSK	23035	12RB#6	22.24	18.88	34.77	PASS
Band12	5MHz	QPSK	23035	12RB#13	22.19	18.83	34.77	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.27	18.91	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#0	23.16	19.8	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.06	19.7	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#24	23.12	19.76	34.77	PASS
Band12	5MHz	QPSK	23095	12RB#0	22.23	18.87	34.77	PASS
Band12	5MHz	QPSK	23095	12RB#6	22.28	18.92	34.77	PASS
Band12	5MHz	QPSK	23095	12RB#13	22.18	18.82	34.77	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.20	18.84	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#0	23.13	19.77	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.08	19.72	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#24	23.11	19.75	34.77	PASS
Band12	5MHz	QPSK	23155	12RB#0	22.25	18.89	34.77	PASS
Band12	5MHz	QPSK	23155	12RB#6	22.14	18.78	34.77	PASS
Band12	5MHz	QPSK	23155	12RB#13	22.08	18.72	34.77	PASS



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Band12	5MHz	QPSK	23155	25RB#0	22.12	18.76	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#0	22.38	19.02	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#12	22.43	19.07	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#24	22.40	19.04	34.77	PASS
Band12	5MHz	16QAM	23035	12RB#0	21.21	17.85	34.77	PASS
Band12	5MHz	16QAM	23035	12RB#6	21.31	17.95	34.77	PASS
Band12	5MHz	16QAM	23035	12RB#13	21.26	17.9	34.77	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.25	17.89	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#0	22.35	18.99	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.41	19.05	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#24	22.31	18.95	34.77	PASS
Band12	5MHz	16QAM	23095	12RB#0	21.30	17.94	34.77	PASS
Band12	5MHz	16QAM	23095	12RB#6	21.34	17.98	34.77	PASS
Band12	5MHz	16QAM	23095	12RB#13	21.17	17.81	34.77	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.21	17.85	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#0	22.44	19.08	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#12	22.26	18.9	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#24	22.41	19.05	34.77	PASS
Band12	5MHz	16QAM	23155	12RB#0	21.27	17.91	34.77	PASS
Band12	5MHz	16QAM	23155	12RB#6	21.21	17.85	34.77	PASS
Band12	5MHz	16QAM	23155	12RB#13	21.15	17.79	34.77	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.08	17.72	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#0	21.95	18.59	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#12	22.05	18.69	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#24	22.02	18.66	34.77	PASS
Band12	5MHz	64QAM	23035	12RB#0	20.91	17.55	34.77	PASS
Band12	5MHz	64QAM	23035	12RB#6	20.98	17.62	34.77	PASS
Band12	5MHz	64QAM	23035	12RB#13	20.95	17.59	34.77	PASS
Band12	5MHz	64QAM	23035	25RB#0	20.93	17.57	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#0	21.97	18.61	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#12	21.88	18.52	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#24	21.92	18.56	34.77	PASS
Band12	5MHz	64QAM	23095	12RB#0	20.99	17.63	34.77	PASS
Band12	5MHz	64QAM	23095	12RB#6	21.00	17.64	34.77	PASS
Band12	5MHz	64QAM	23095	12RB#13	20.88	17.52	34.77	PASS
Band12	5MHz	64QAM	23095	25RB#0	20.93	17.57	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#0	22.02	18.66	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#12	21.96	18.6	34.77	PASS



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Band12	5MHz	64QAM	23155	1RB#24	21.94	18.58	34.77	PASS
Band12	5MHz	64QAM	23155	12RB#0	20.98	17.62	34.77	PASS
Band12	5MHz	64QAM	23155	12RB#6	20.86	17.5	34.77	PASS
Band12	5MHz	64QAM	23155	12RB#13	20.84	17.48	34.77	PASS
Band12	5MHz	64QAM	23155	25RB#0	20.84	17.48	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.13	19.77	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.12	19.76	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.14	19.78	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#0	22.29	18.93	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#12	22.25	18.89	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#25	22.12	18.76	34.77	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.21	18.85	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.21	19.85	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.09	19.73	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#49	23.02	19.66	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#0	22.22	18.86	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#12	22.27	18.91	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#25	22.15	18.79	34.77	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.20	18.84	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.09	19.73	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#24	22.99	19.63	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#49	23.02	19.66	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#0	22.10	18.74	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#12	22.13	18.77	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#25	22.05	18.69	34.77	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.06	18.7	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#0	22.33	18.97	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.38	19.02	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#49	22.41	19.05	34.77	PASS
Band12	10MHz	16QAM	23060	25RB#0	21.26	17.9	34.77	PASS
Band12	10MHz	16QAM	23060	25RB#12	21.27	17.91	34.77	PASS
Band12	10MHz	16QAM	23060	25RB#25	21.13	17.77	34.77	PASS
Band12	10MHz	16QAM	23060	50RB#0	21.22	17.86	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#0	22.45	19.09	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#24	22.25	18.89	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#49	22.29	18.93	34.77	PASS
Band12	10MHz	16QAM	23095	25RB#0	21.18	17.82	34.77	PASS
Band12	10MHz	16QAM	23095	25RB#12	21.32	17.96	34.77	PASS



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Band12	10MHz	16QAM	23095	25RB#25	21.15	17.79	34.77	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.23	17.87	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#0	22.37	19.01	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#24	22.31	18.95	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#49	22.28	18.92	34.77	PASS
Band12	10MHz	16QAM	23130	25RB#0	21.15	17.79	34.77	PASS
Band12	10MHz	16QAM	23130	25RB#12	21.13	17.77	34.77	PASS
Band12	10MHz	16QAM	23130	25RB#25	20.96	17.6	34.77	PASS
Band12	10MHz	16QAM	23130	50RB#0	21.07	17.71	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#0	21.98	18.62	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#24	21.96	18.6	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#49	21.93	18.57	34.77	PASS
Band12	10MHz	64QAM	23060	25RB#0	20.98	17.62	34.77	PASS
Band12	10MHz	64QAM	23060	25RB#12	20.97	17.61	34.77	PASS
Band12	10MHz	64QAM	23060	25RB#25	20.84	17.48	34.77	PASS
Band12	10MHz	64QAM	23060	50RB#0	20.93	17.57	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#0	22.01	18.65	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#24	21.84	18.48	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#49	21.87	18.51	34.77	PASS
Band12	10MHz	64QAM	23095	25RB#0	20.93	17.57	34.77	PASS
Band12	10MHz	64QAM	23095	25RB#12	21.00	17.64	34.77	PASS
Band12	10MHz	64QAM	23095	25RB#25	20.89	17.53	34.77	PASS
Band12	10MHz	64QAM	23095	50RB#0	20.97	17.61	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#0	22.02	18.66	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#24	21.91	18.55	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#49	21.83	18.47	34.77	PASS
Band12	10MHz	64QAM	23130	25RB#0	20.85	17.49	34.77	PASS
Band12	10MHz	64QAM	23130	25RB#12	20.81	17.45	34.77	PASS
Band12	10MHz	64QAM	23130	25RB#25	20.77	17.41	34.77	PASS
Band12	10MHz	64QAM	23130	50RB#0	20.82	17.46	34.77	PASS

Remark:

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

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

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



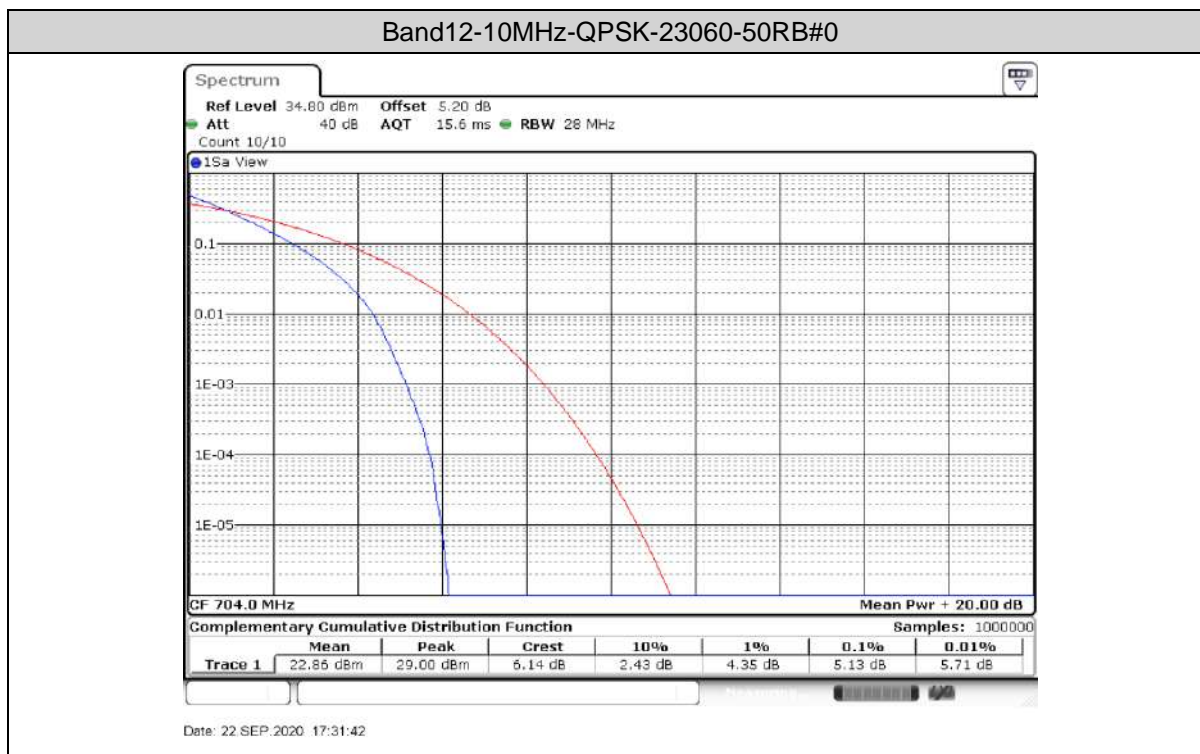
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2 Peak-to-Average Ratio (CCDF)

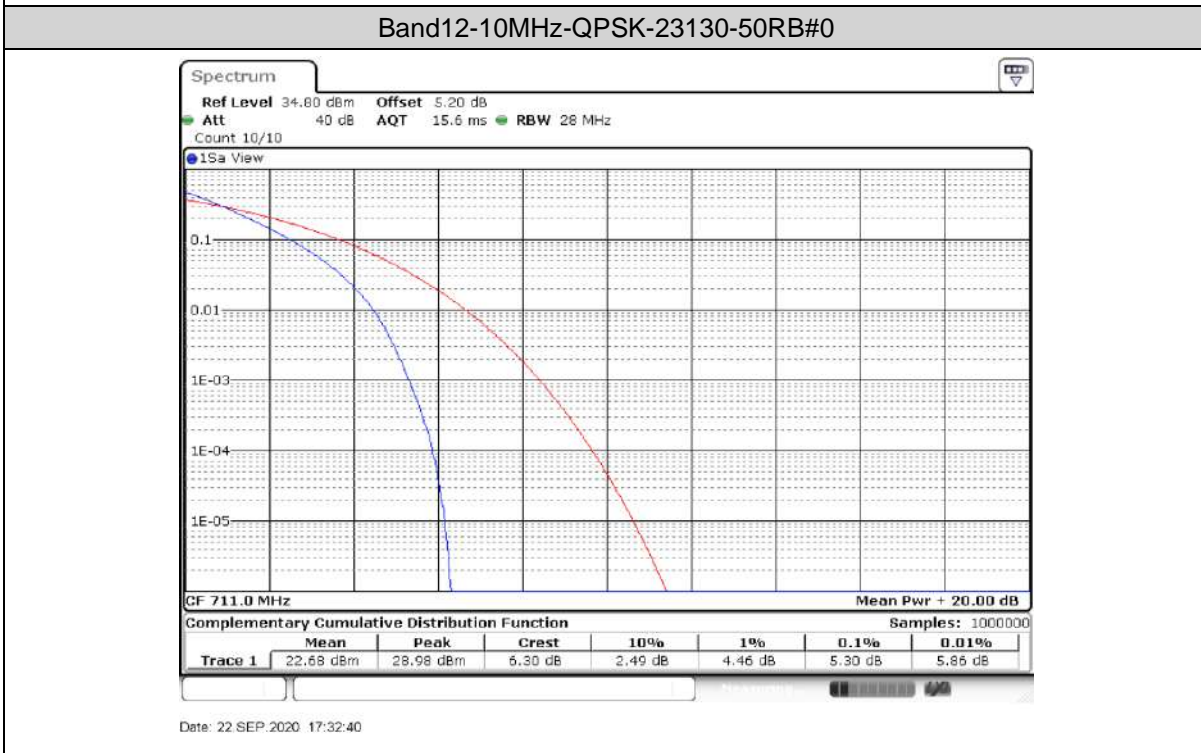
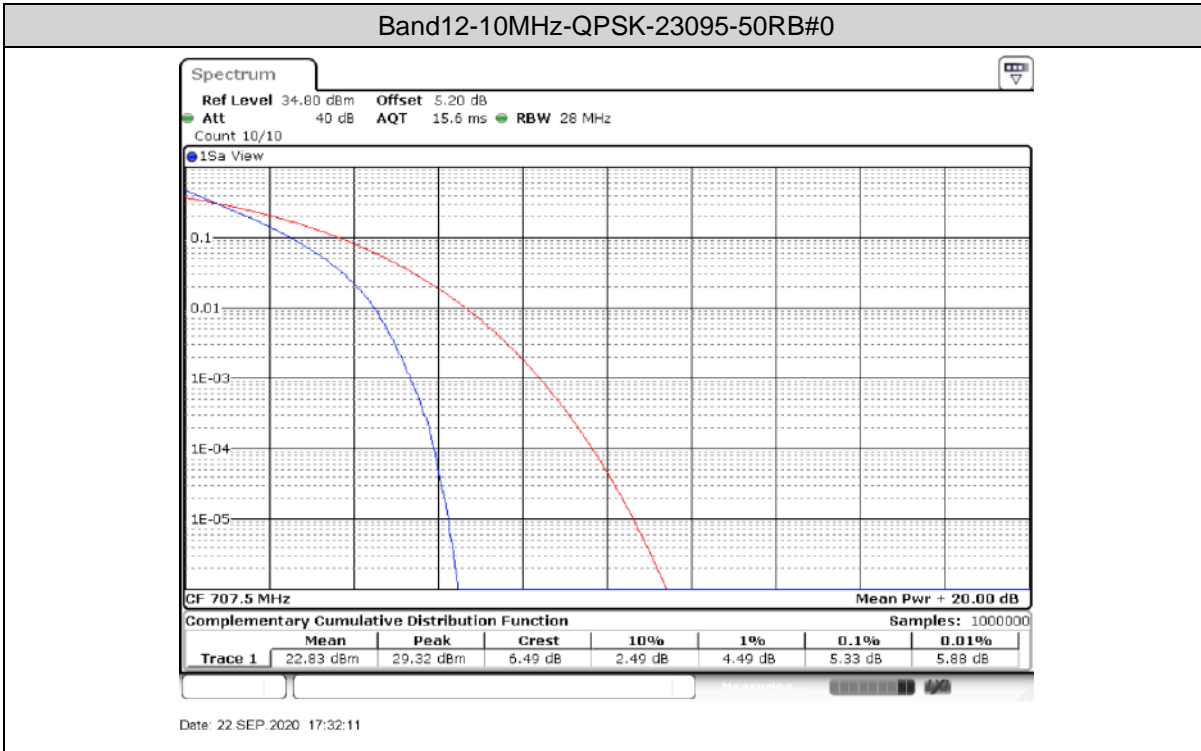
2.1 Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	10MHz	QPSK	23060	50RB#0	5.13	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.33	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.30	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	5.94	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.06	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.09	13	PASS
Band12	10MHz	64QAM	23060	50RB#0	6.49	13	PASS
Band12	10MHz	64QAM	23095	50RB#0	6.58	13	PASS
Band12	10MHz	64QAM	23130	50RB#0	6.58	13	PASS

2.2 Test Plots

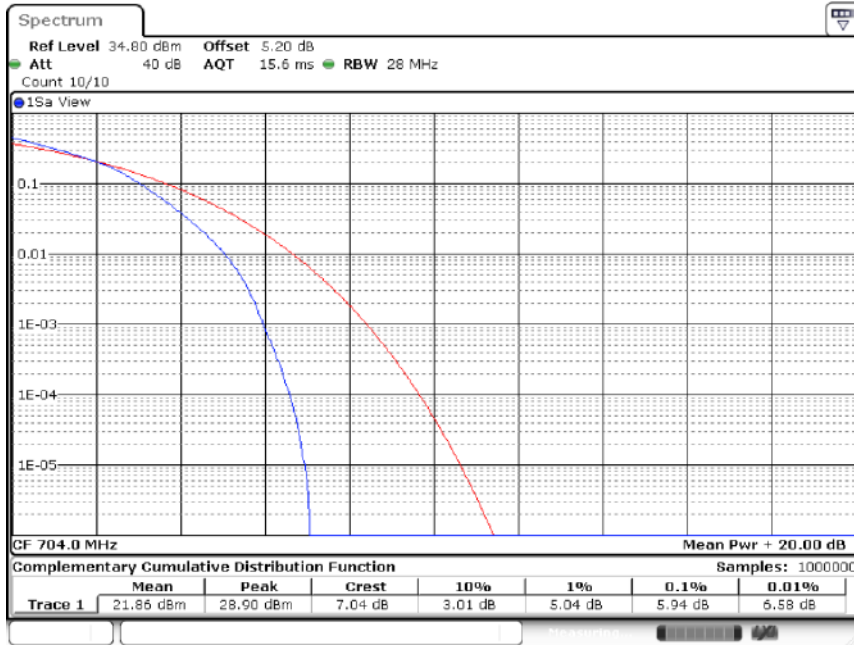


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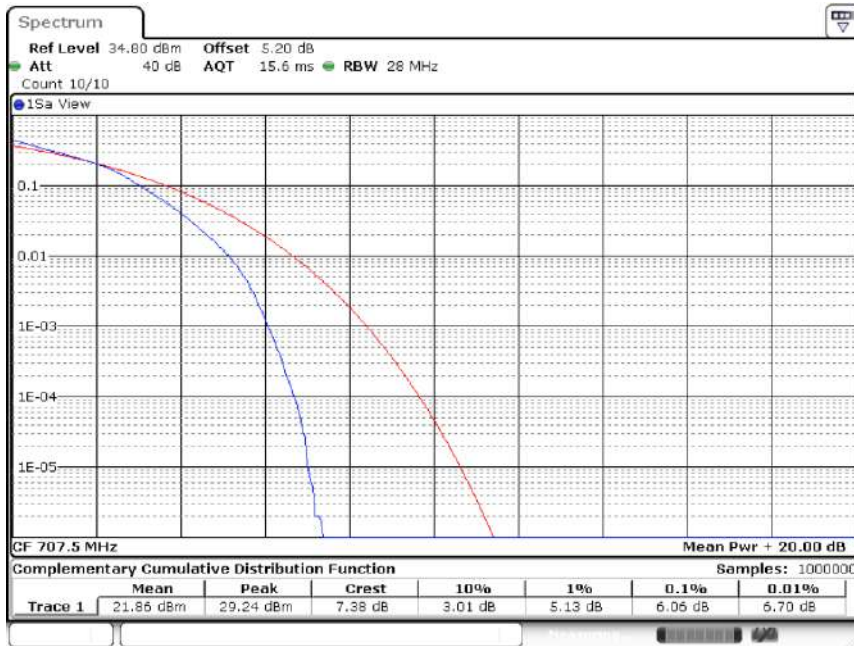
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Band12-10MHz-16QAM-23060-50RB#0



Date: 22 SEP. 2020 17:31:56

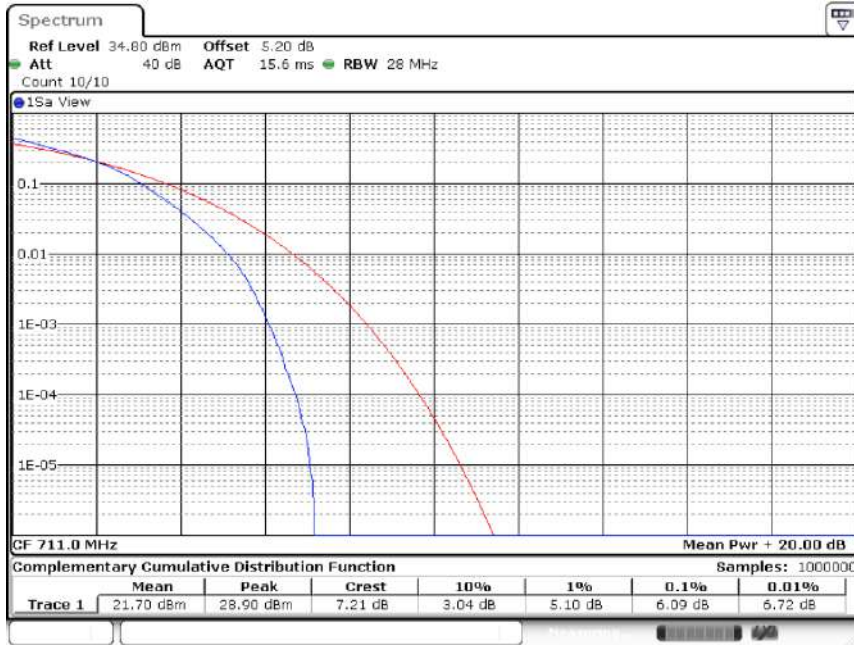
Band12-10MHz-16QAM-23095-50RB#0



Date: 22 SEP. 2020 17:32:26

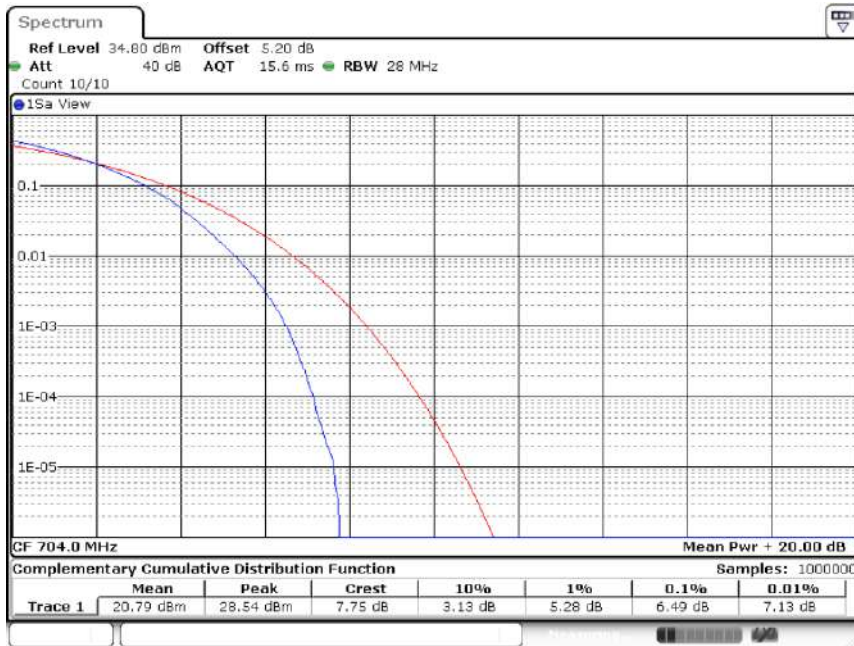


Band12-10MHz-16QAM-23130-50RB#0



Date: 22 SEP. 2020 17:32:55

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

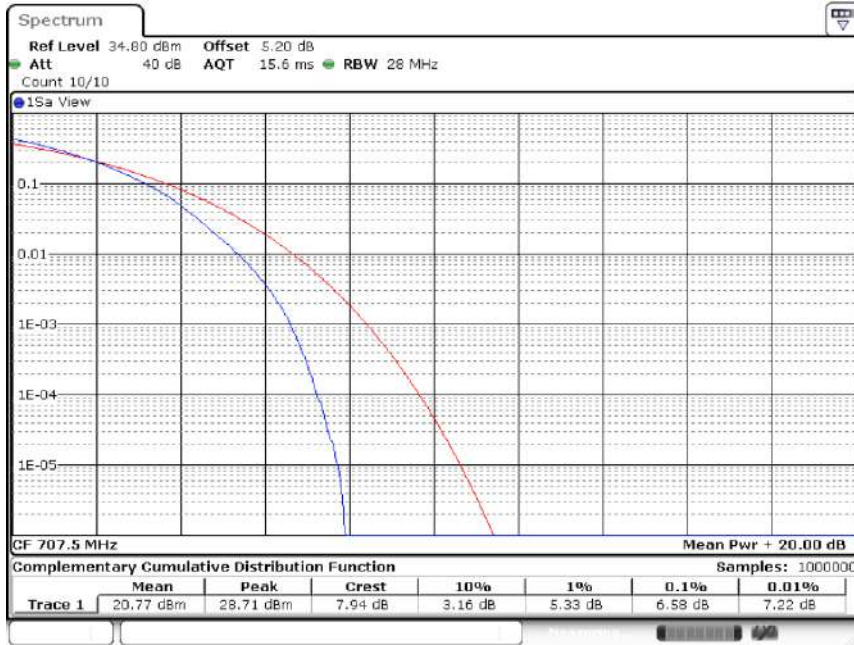


Date: 22 SEP. 2020 19:37:11



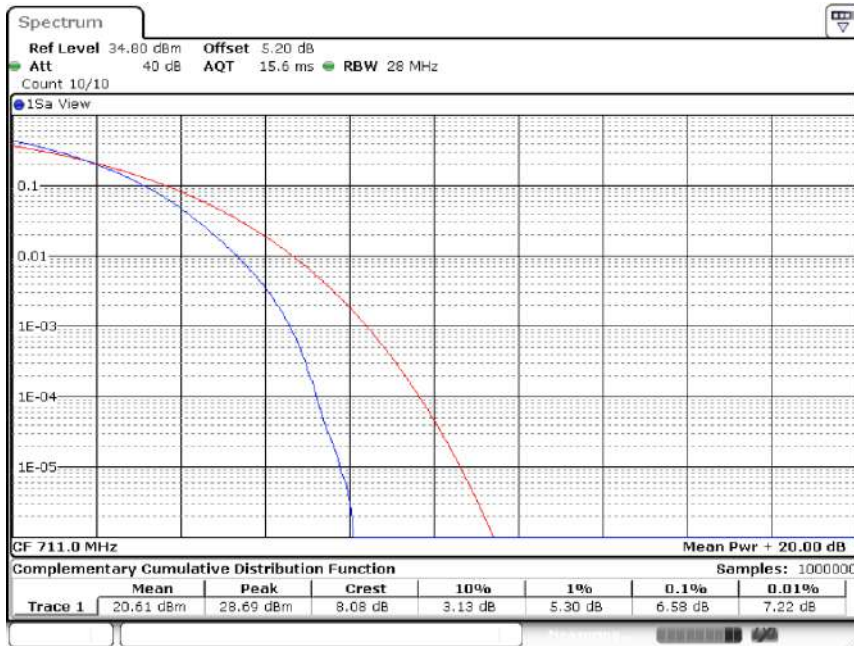
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Band12-10MHz-64QAM-23095-50RB#0



Date: 22 SEP. 2020 19:37:26

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



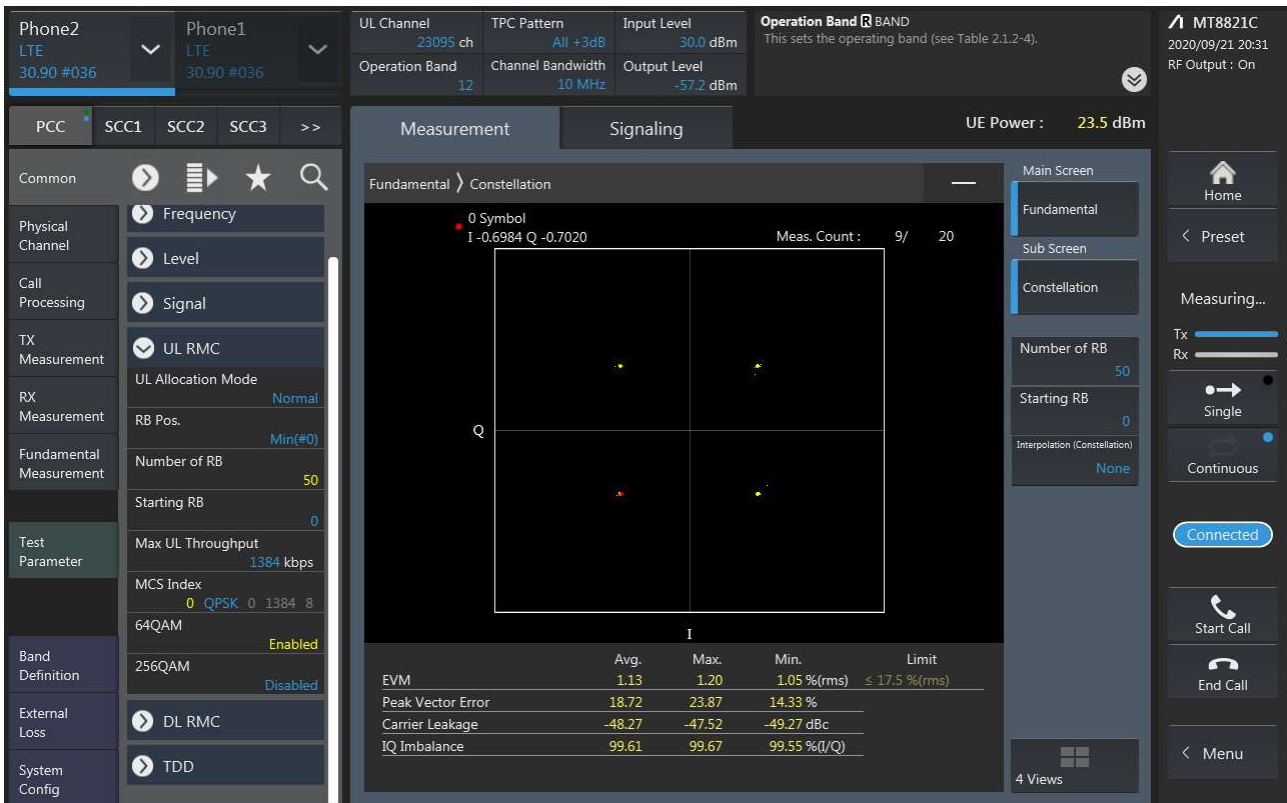
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3 Modulation Characteristics

3.1 Test Mode = LTE /TM1 10MHz

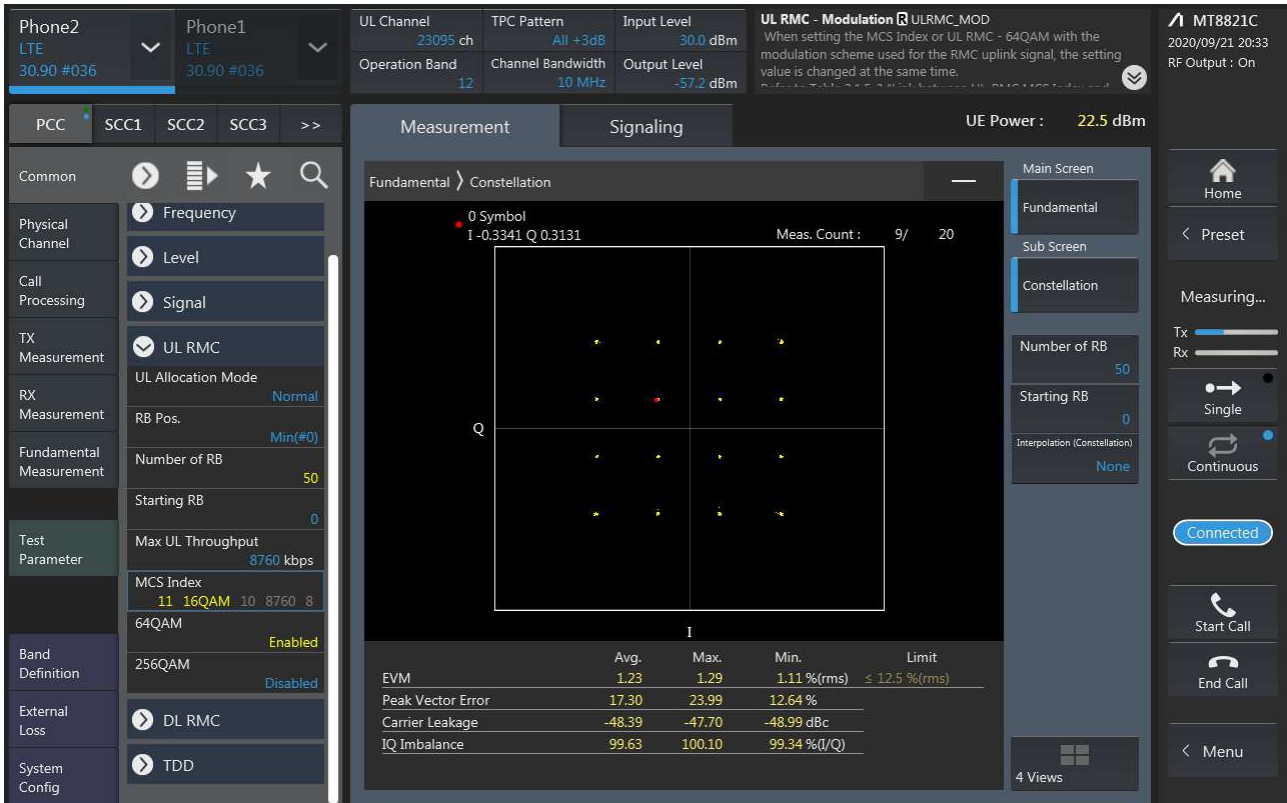
3.1.1 Test Channel = MCH



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3.2 Test Mode = LTE /TM2 10MHz

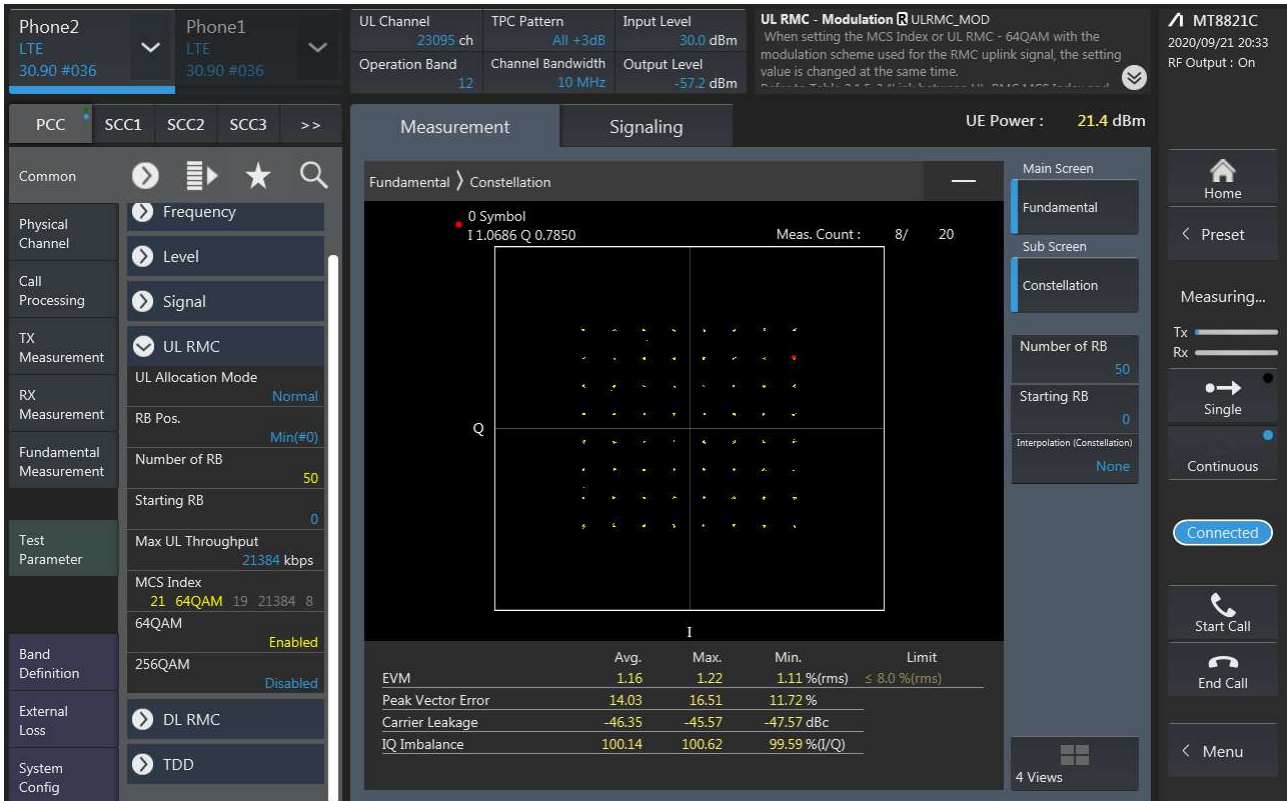
3.2.1 Test Channel = MCH



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3.3 Test Mode = LTE /TM3 10MHz

3.3.1 Test Channel = MCH



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4 26dB Bandwidth and Occupied Bandwidth

4.1 Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.085	1.236	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.088	1.233	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.091	1.245	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.088	1.236	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.085	1.233	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.085	1.248	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	1.094	1.242	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	1.091	1.248	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	1.091	1.242	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.697	3.000	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.697	3.018	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.697	3.000	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.685	2.976	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.685	2.988	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.679	2.982	PASS
Band12	3MHz	64QAM	23025	15RB#0	2.691	2.994	PASS
Band12	3MHz	64QAM	23095	15RB#0	2.691	2.976	PASS
Band12	3MHz	64QAM	23165	15RB#0	2.685	2.988	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.466	4.890	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.476	4.910	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.466	4.880	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.486	4.920	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.486	4.910	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.476	4.910	PASS
Band12	5MHz	64QAM	23035	25RB#0	4.476	4.870	PASS
Band12	5MHz	64QAM	23095	25RB#0	4.466	4.880	PASS
Band12	5MHz	64QAM	23155	25RB#0	4.466	4.860	PASS
Band12	10MHz	QPSK	23017	50RB#0	8.891	9.620	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.931	9.680	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.911	9.680	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.911	9.600	PASS

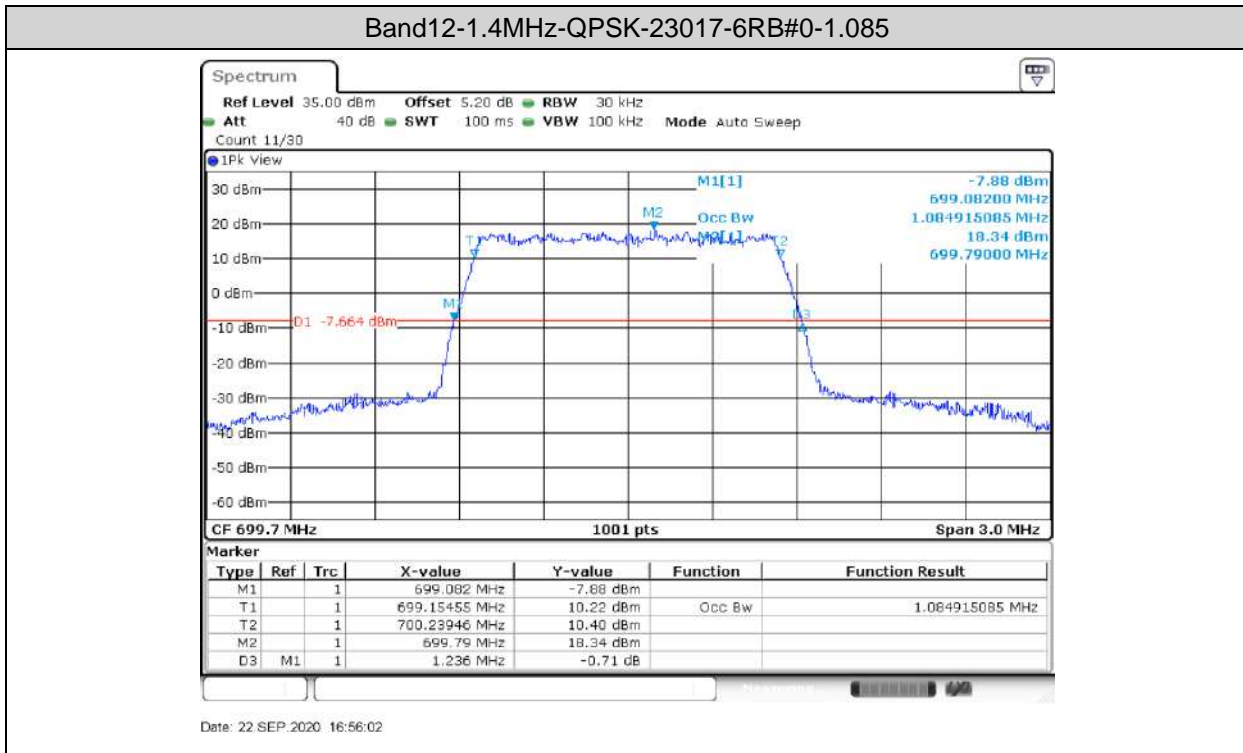


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 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Band12	10MHz	16QAM	23095	50RB#0	8.911	9.660	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.931	9.740	PASS
Band12	10MHz	64QAM	23060	50RB#0	8.911	9.580	PASS
Band12	10MHz	64QAM	23095	50RB#0	8.931	9.640	PASS
Band12	10MHz	64QAM	23130	50RB#0	8.931	9.640	PASS

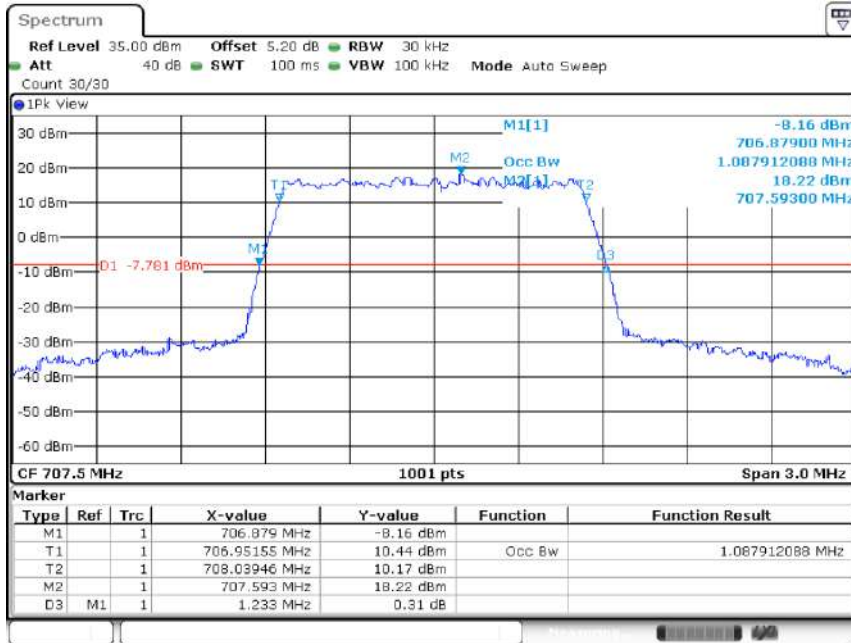
4.2 Test Plots



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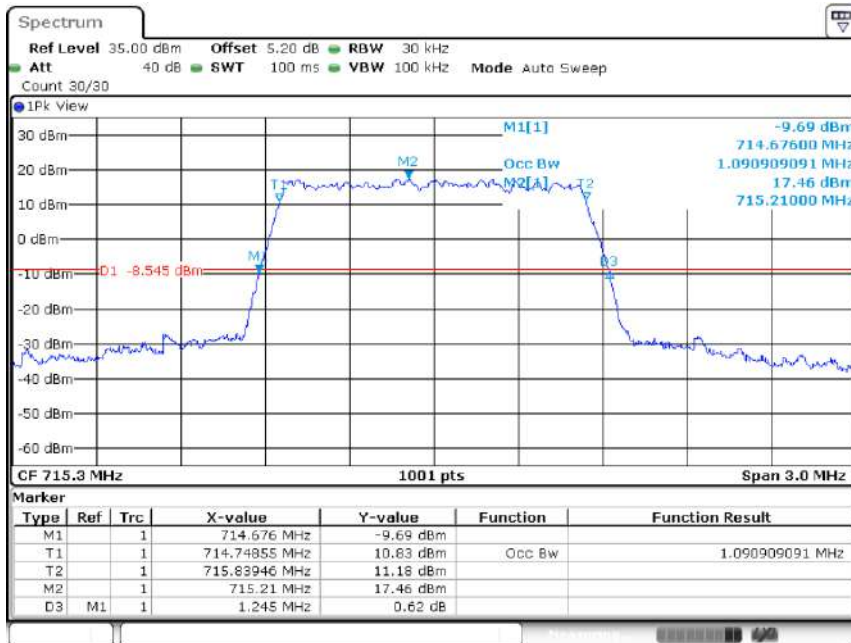
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Band12-1.4MHz-QPSK-23095-6RB#0-1.088



Date: 22 SEP.2020 16:56:34

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

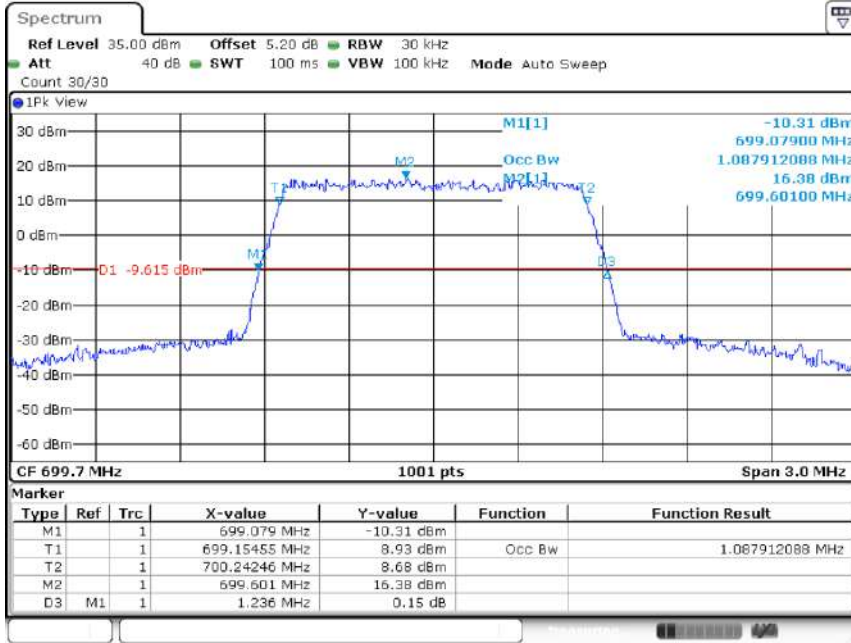


Date: 22 SEP.2020 16:57:06



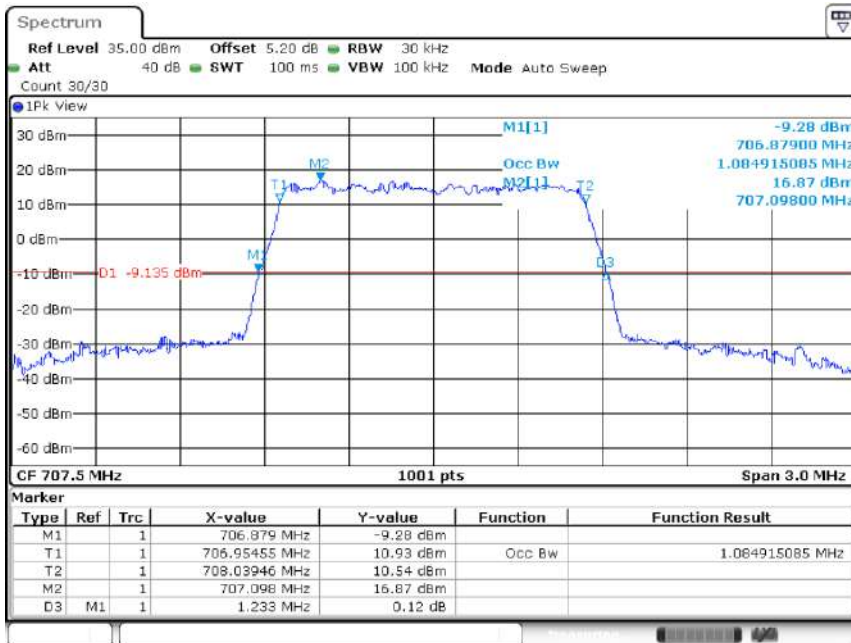
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Band12-1.4MHz-16QAM-23017-6RB#0-1.088



Date: 22 SEP.2020 16:56:18

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



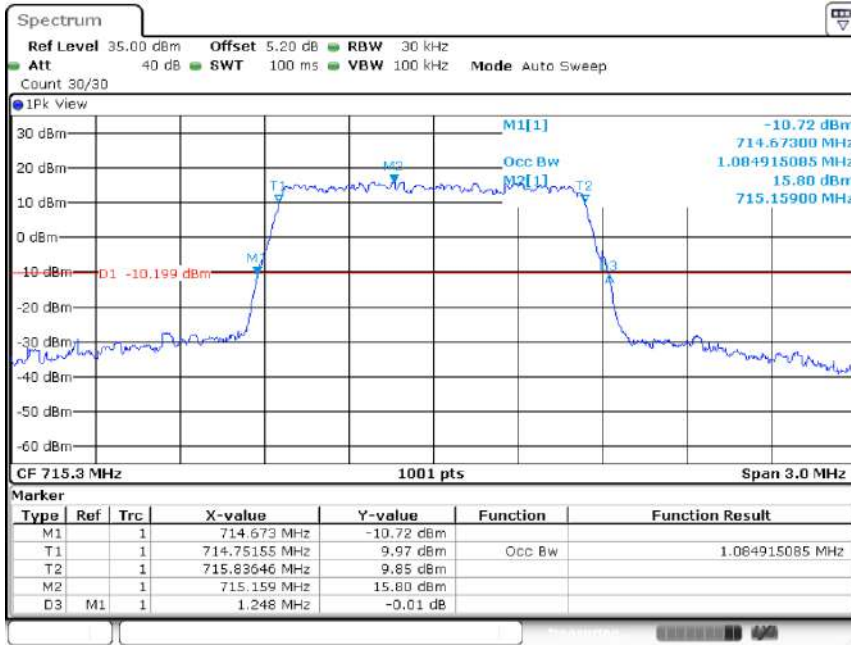
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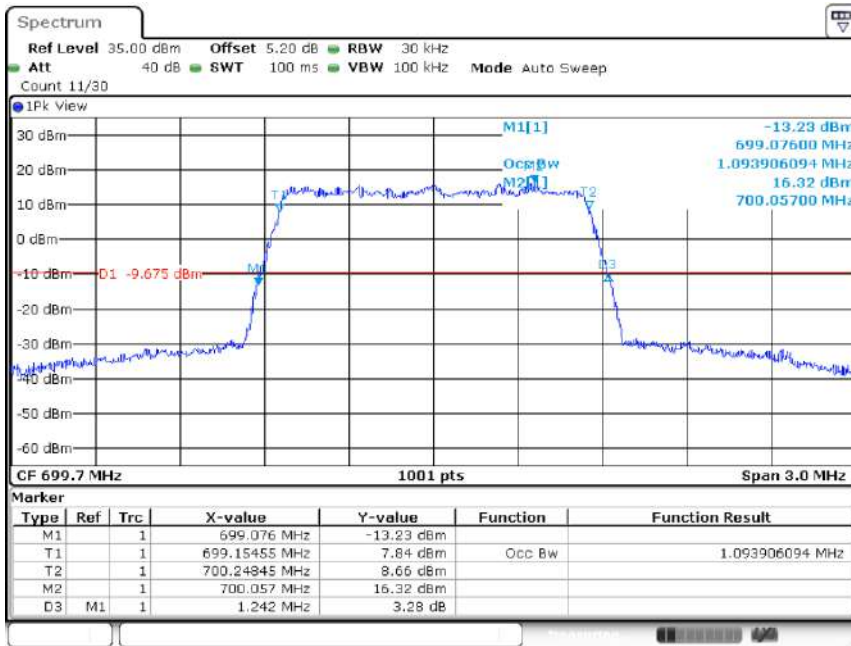
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Band12-1.4MHz-16QAM-23173-6RB#0-1.085



Date: 22 SEP.2020 16:57:21

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



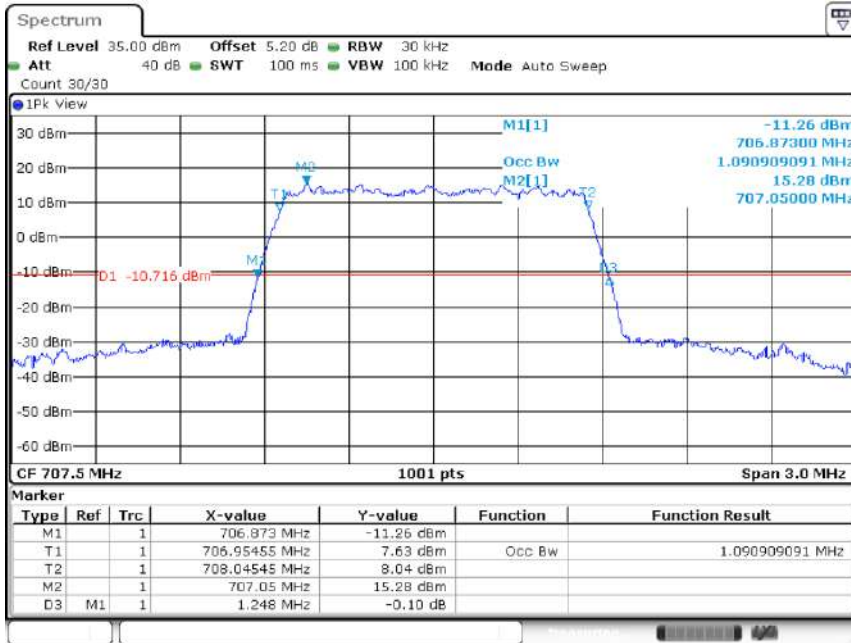
Date: 22 SEP.2020 19:21:08



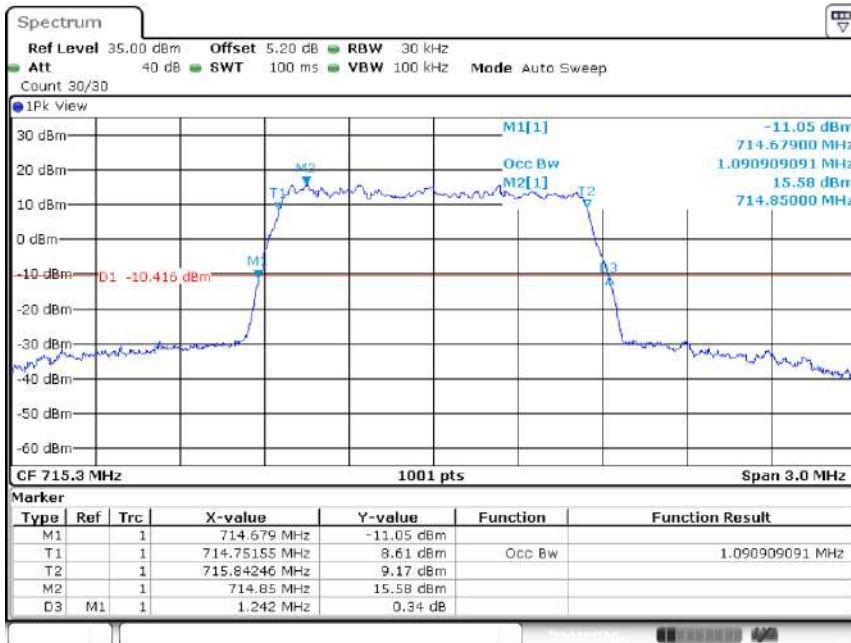
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Band12-1.4MHz-64QAM-23095-6RB#0-1.091

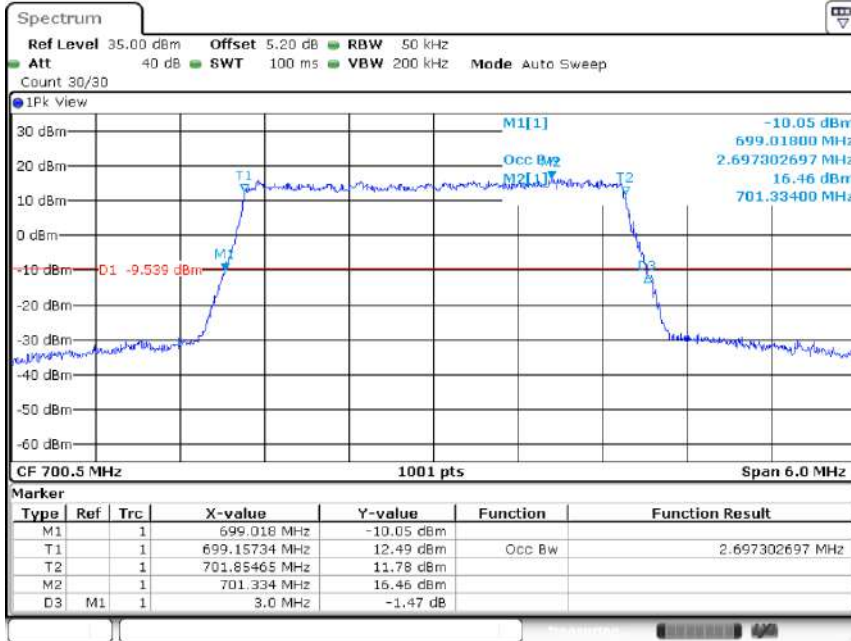


Band12-1.4MHz-64QAM-23173-6RB#0-1.091



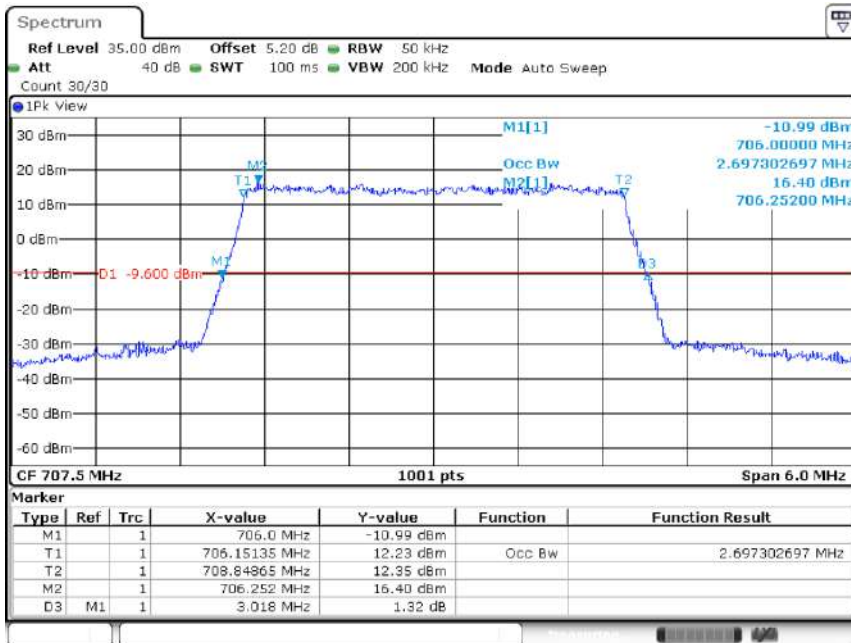
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Band12-3MHz-QPSK-23025-15RB#0-2.697



Date: 22 SEP.2020 16:57:43

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

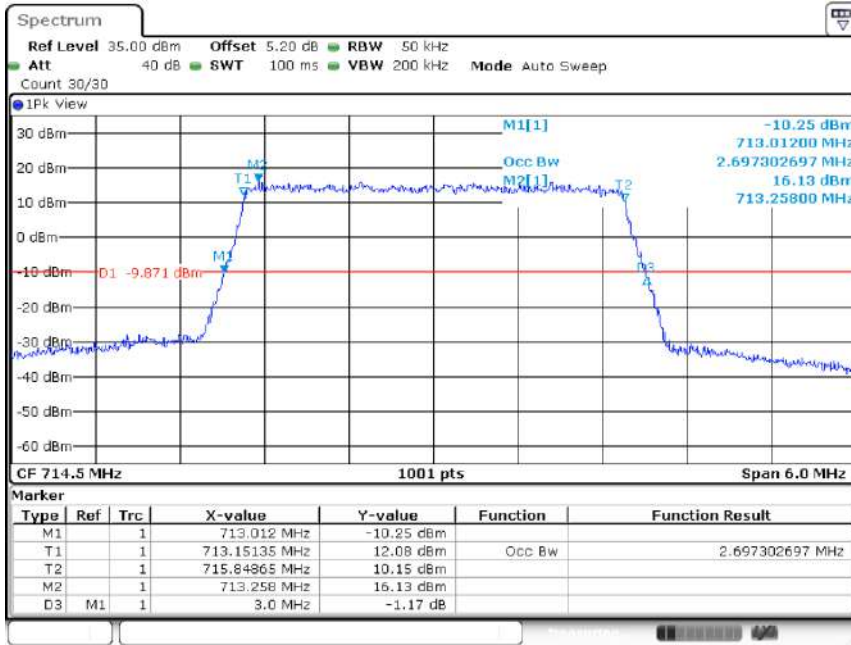


Date: 22 SEP.2020 16:58:14



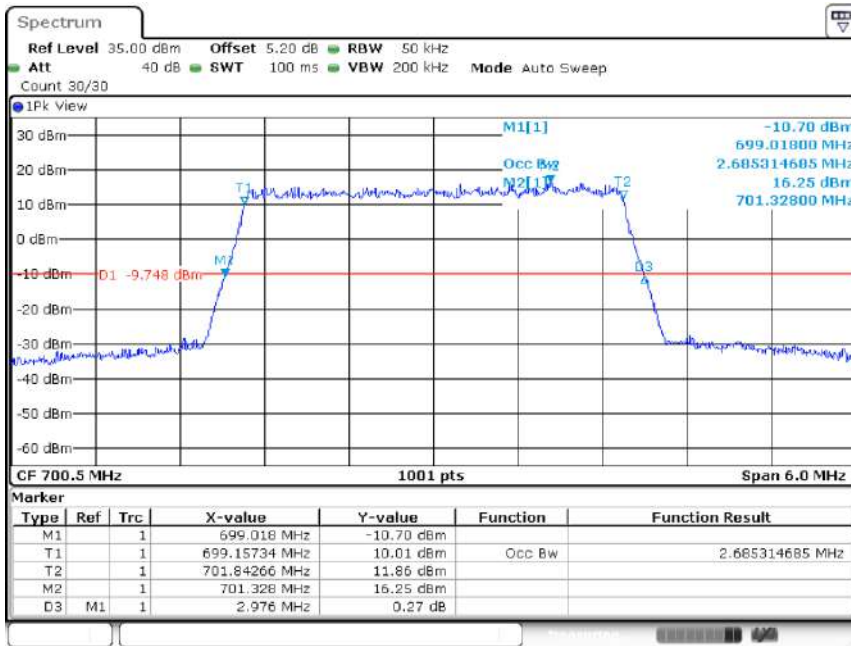
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Band12-3MHz-QPSK-23165-15RB#0-2.697



Date: 22 SEP.2020 16:58:46

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

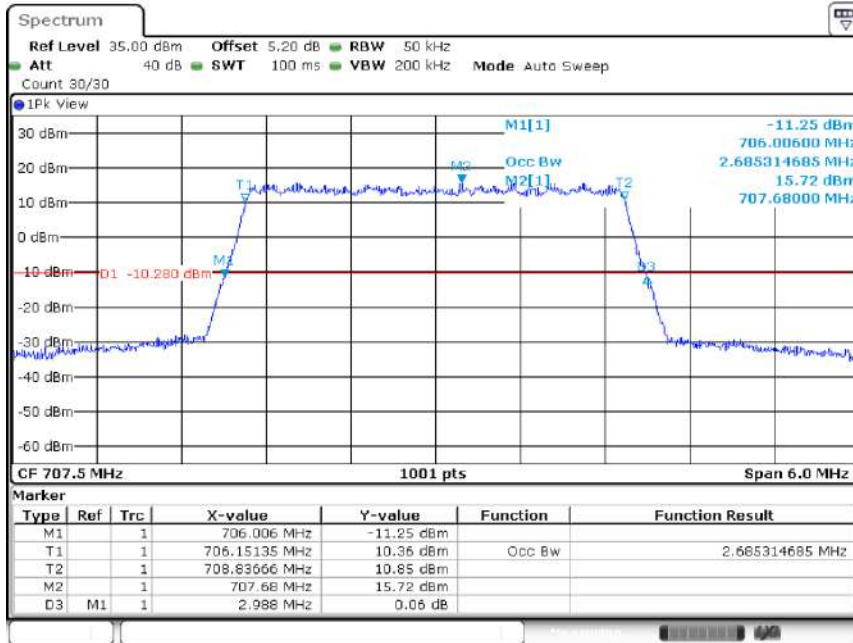


Date: 22 SEP.2020 16:57:58



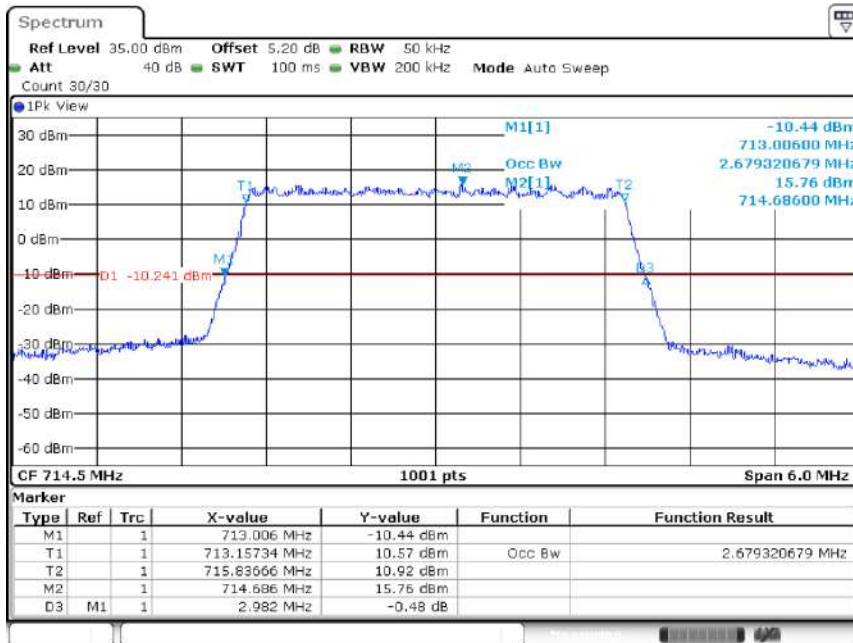
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Band12-3MHz-16QAM-23095-15RB#0-2.685



Date: 22 SEP 2020 16:58:30

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



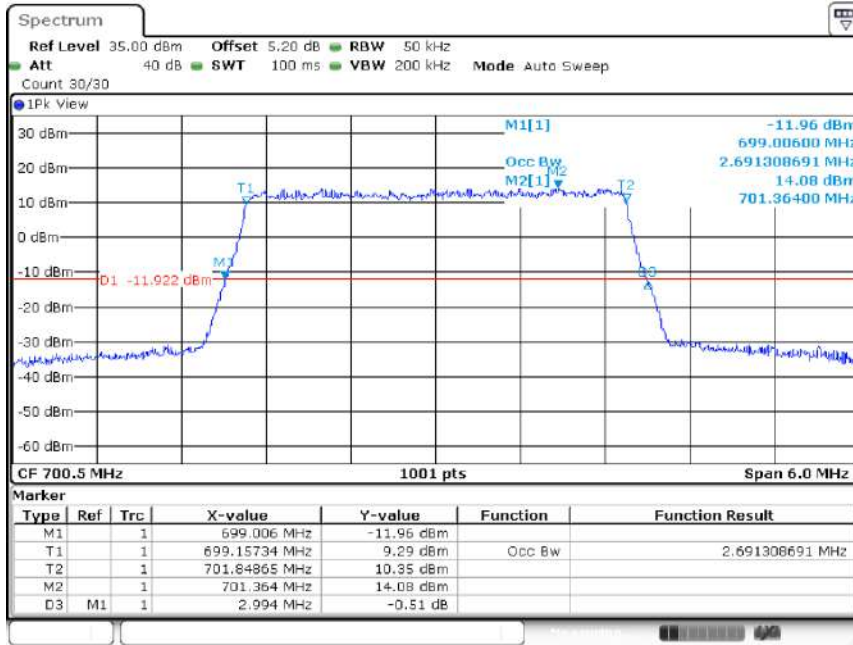
Date: 22 SEP 2020 16:59:01



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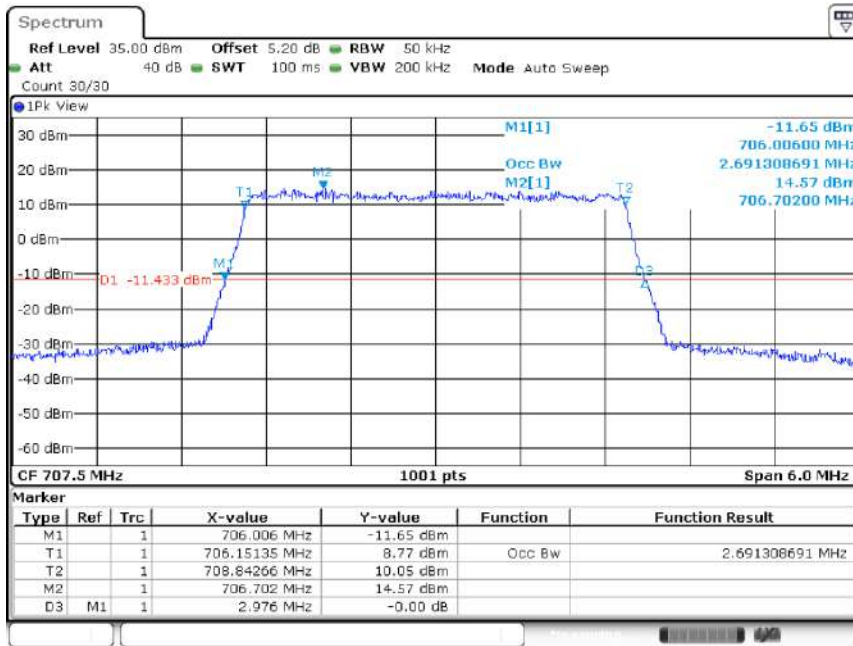
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Band12-3MHz-64QAM-23025-15RB#0-2.691



Date: 22 SEP 2020 19:22:01

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

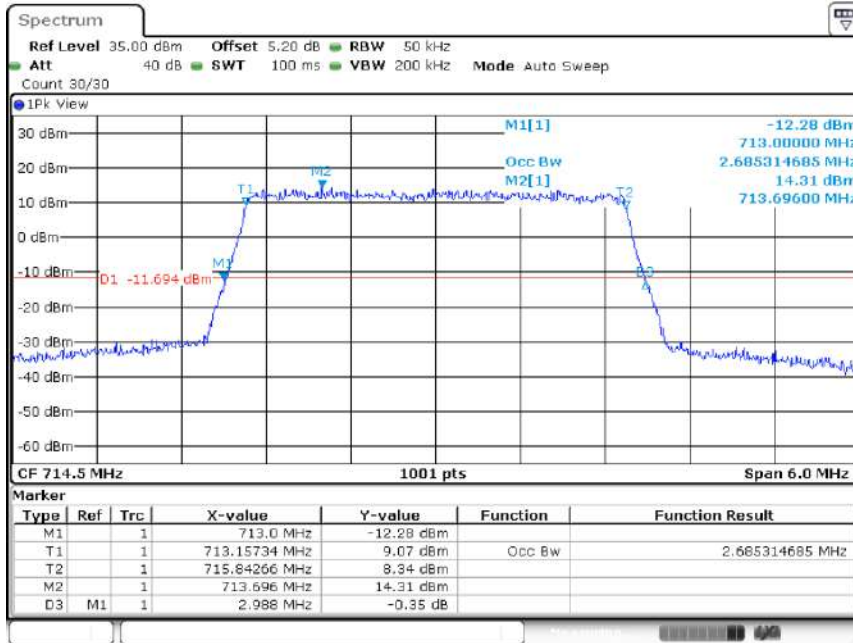


Date: 22 SEP 2020 19:22:17



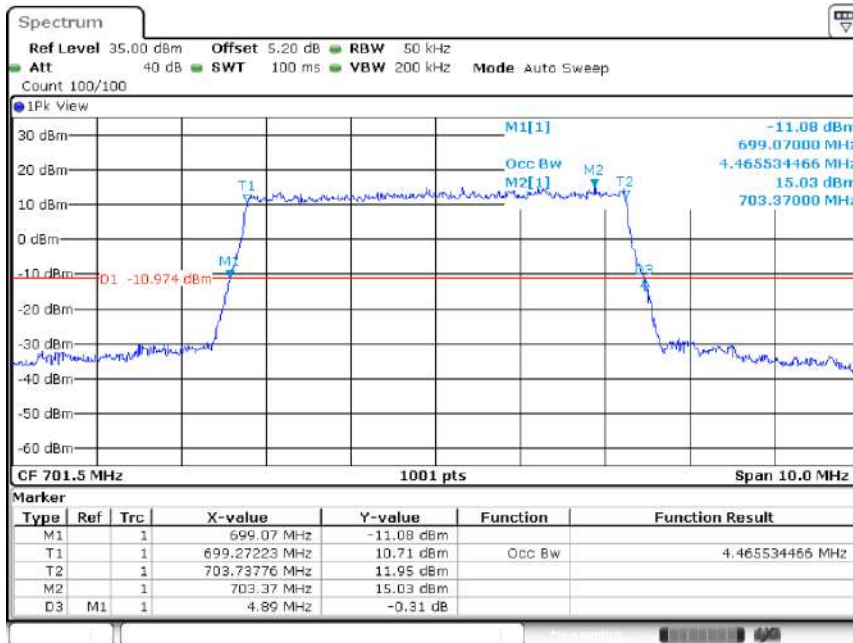
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Band12-3MHz-64QAM-23165-15RB#0-2.685



Date: 22 SEP 2020 19:22:33

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

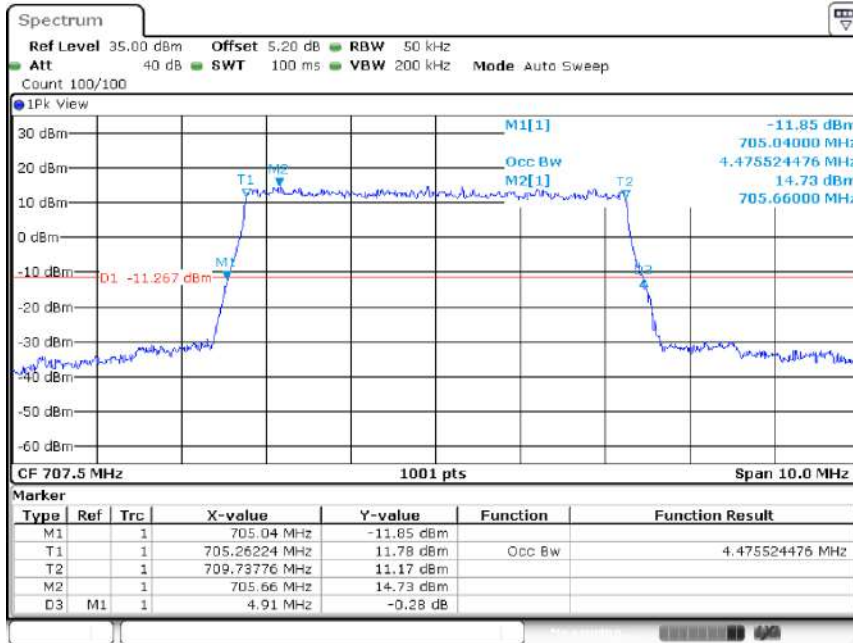


Date: 22 SEP 2020 16:59:29



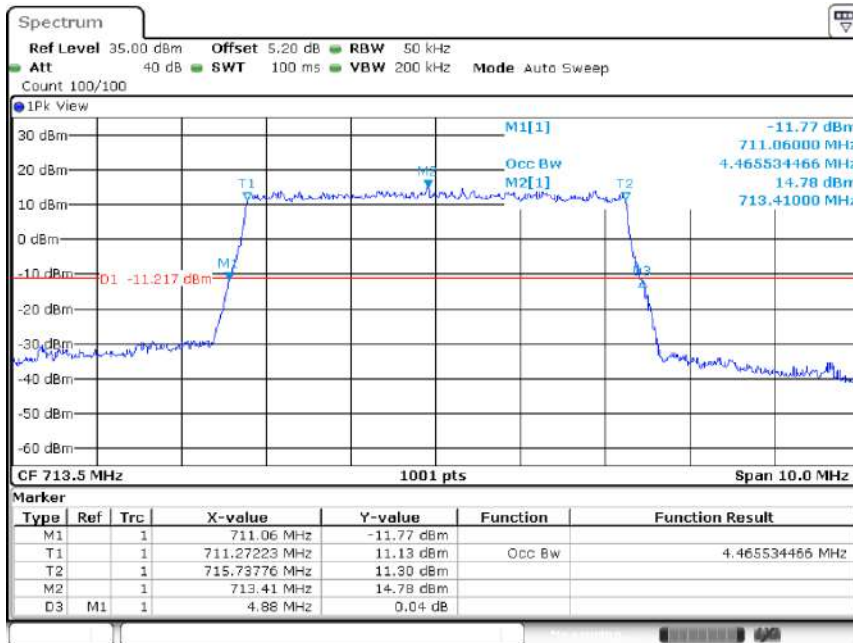
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Band12-5MHz-QPSK-23095-25RB#0-4.476



Date: 22 SEP 2020 17:00:15

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

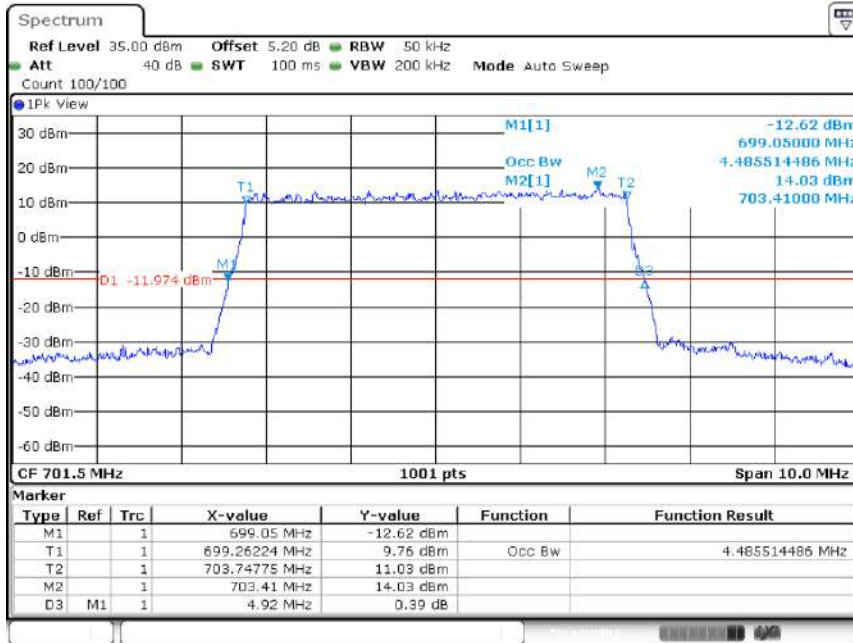


Date: 22 SEP 2020 17:01:00



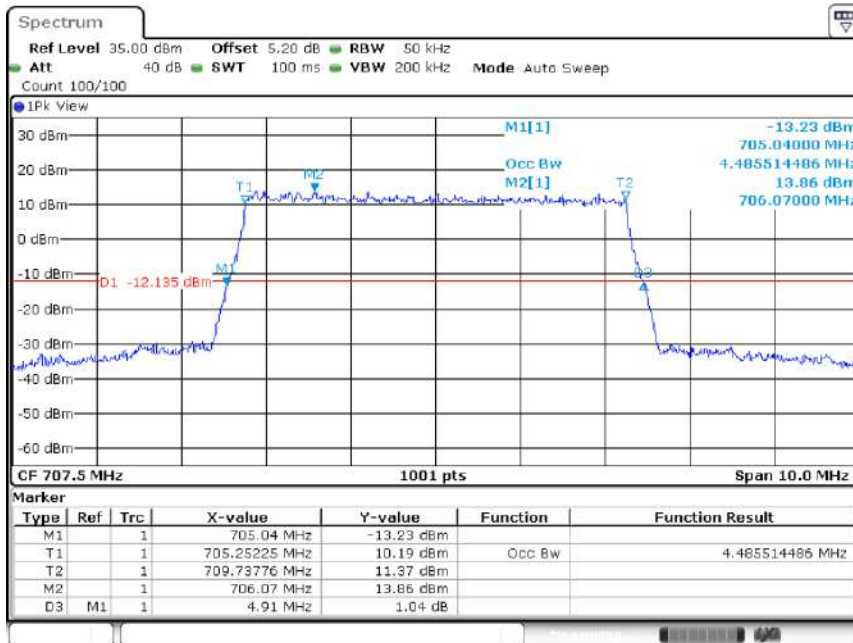
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Band12-5MHz-16QAM-23035-25RB#0-4.486



Date: 22 SEP 2020 16:59:52

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

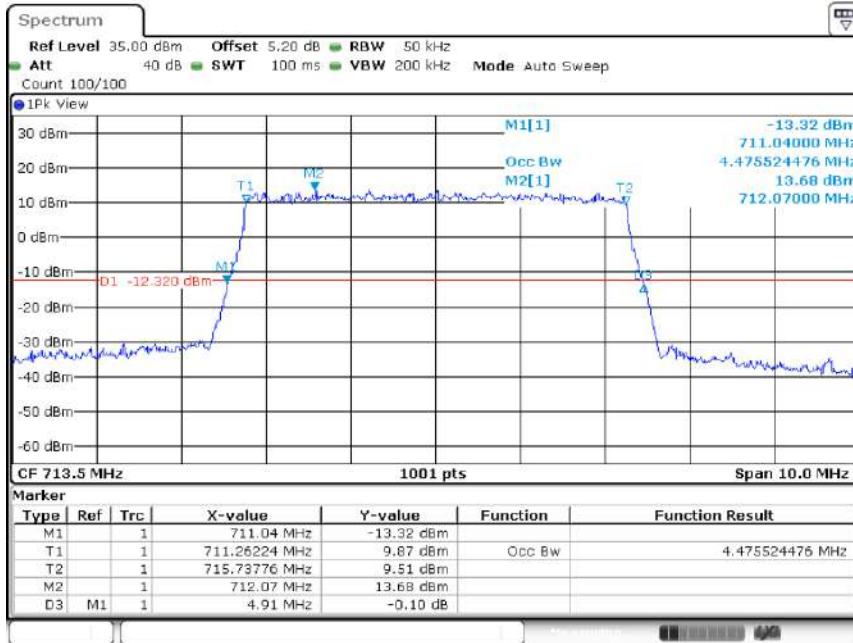


Date: 22 SEP 2020 17:00:37



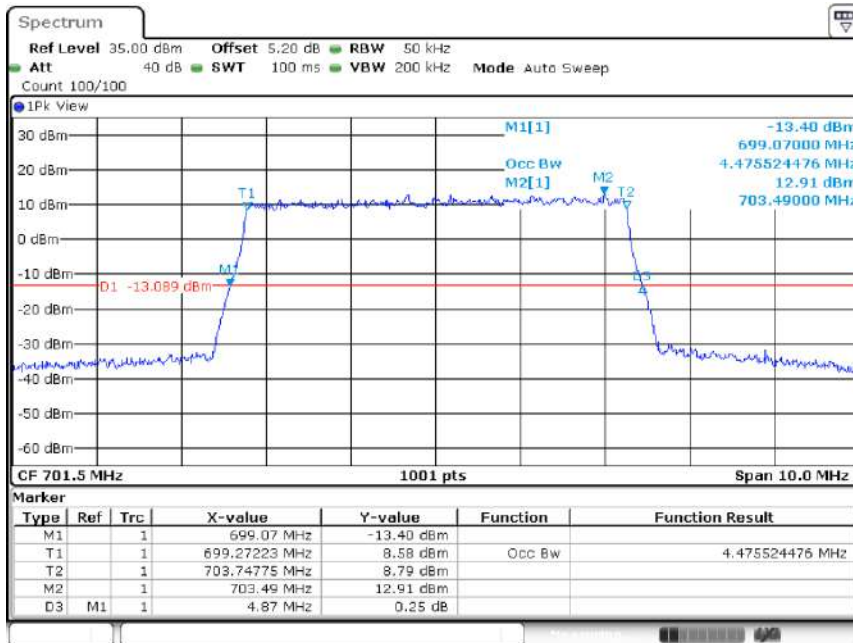
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Band12-5MHz-16QAM-23155-25RB#0-4.476



Date: 22 SEP 2020 17:01:23

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

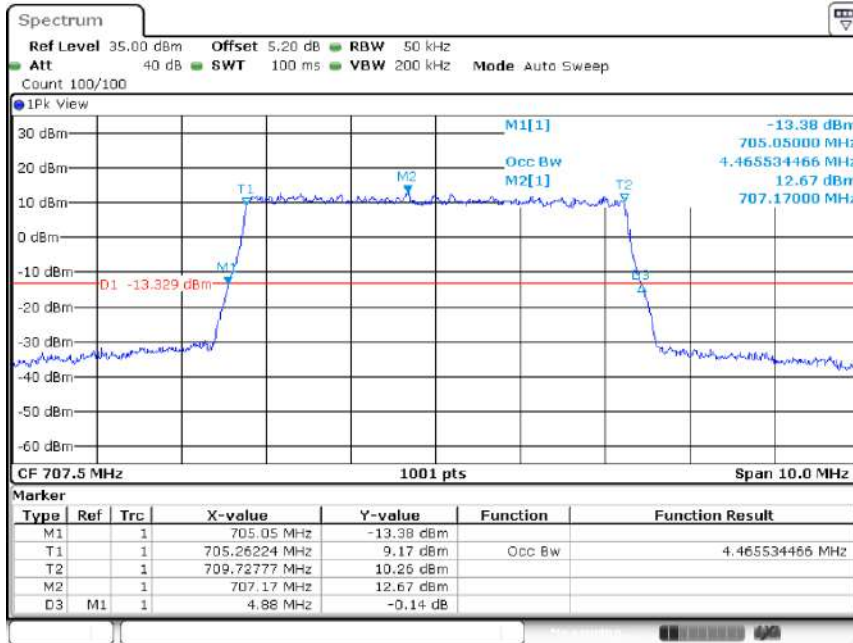


Date: 22 SEP 2020 19:23:02



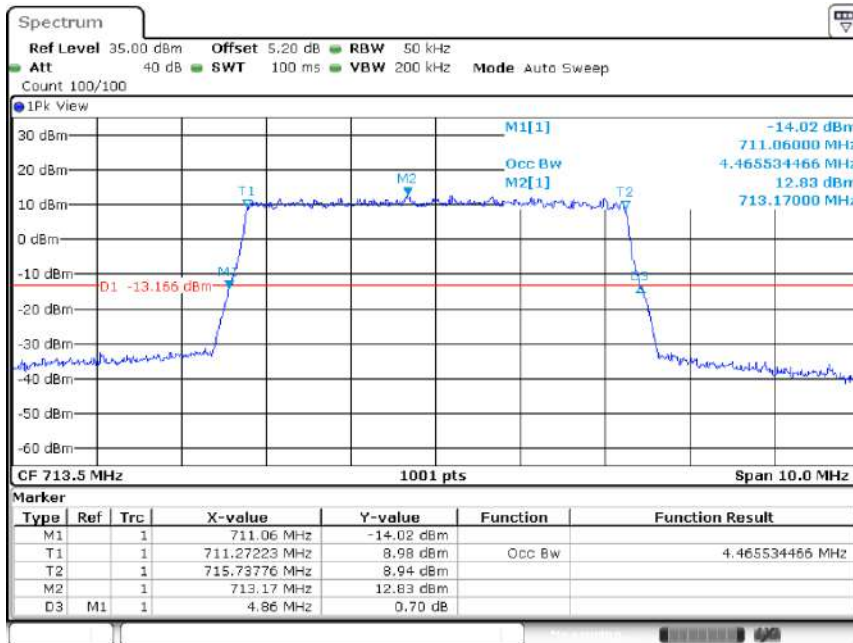
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Band12-5MHz-64QAM-23095-25RB#0-4.466



Date: 22 SEP 2020 19:23:25

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

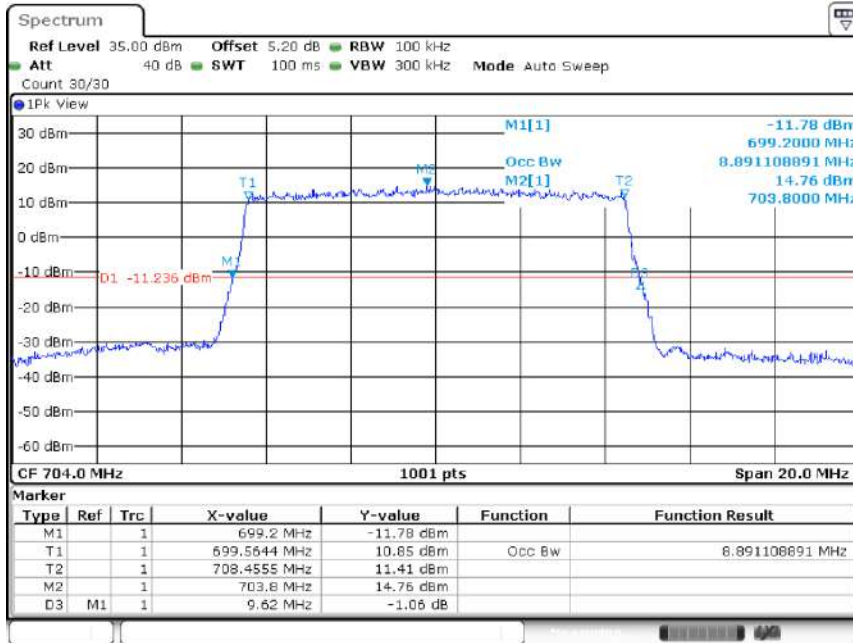


Date: 22 SEP 2020 19:23:48



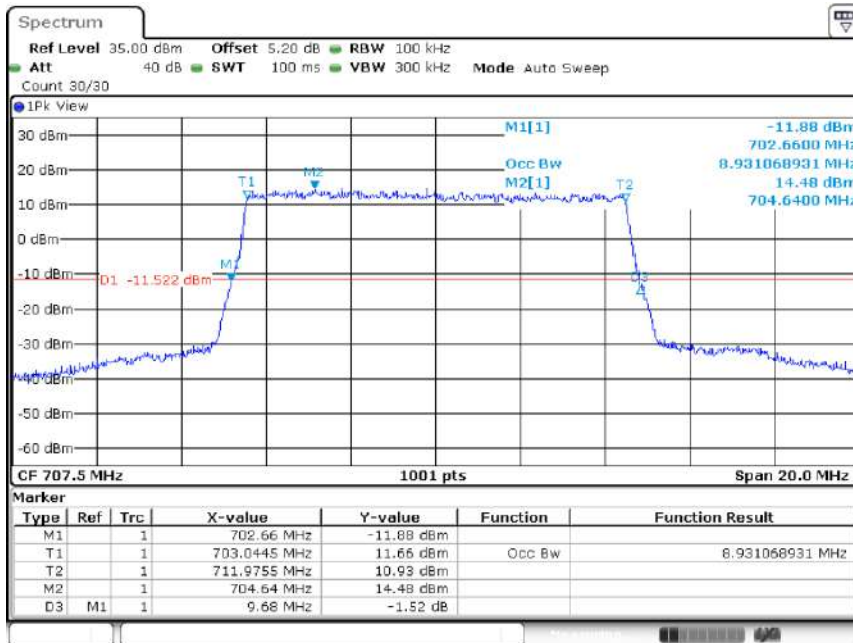
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Band12-10MHz-QPSK-23060-50RB#0-8.891



Date: 22 SEP 2020 17:01:44

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

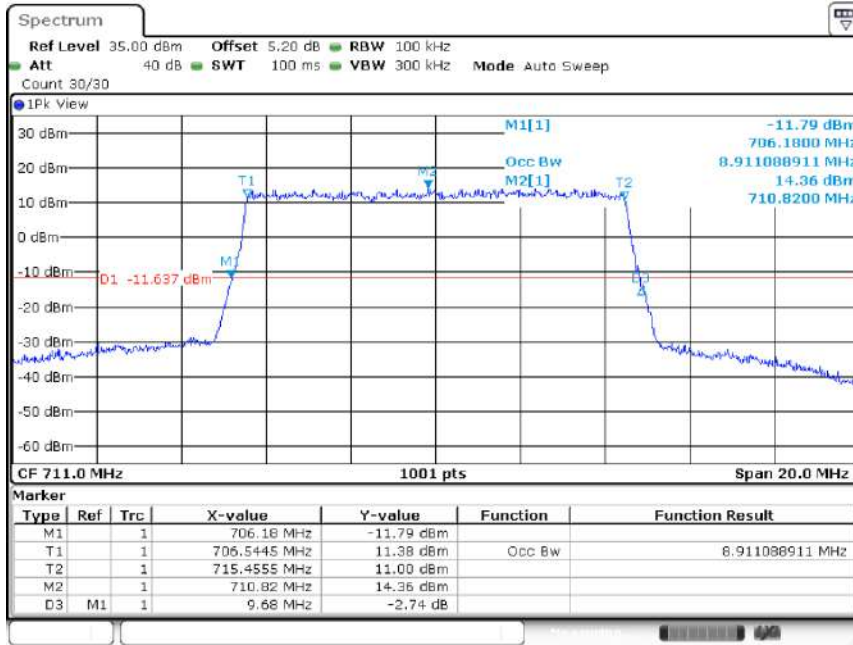


Date: 22 SEP 2020 17:02:15



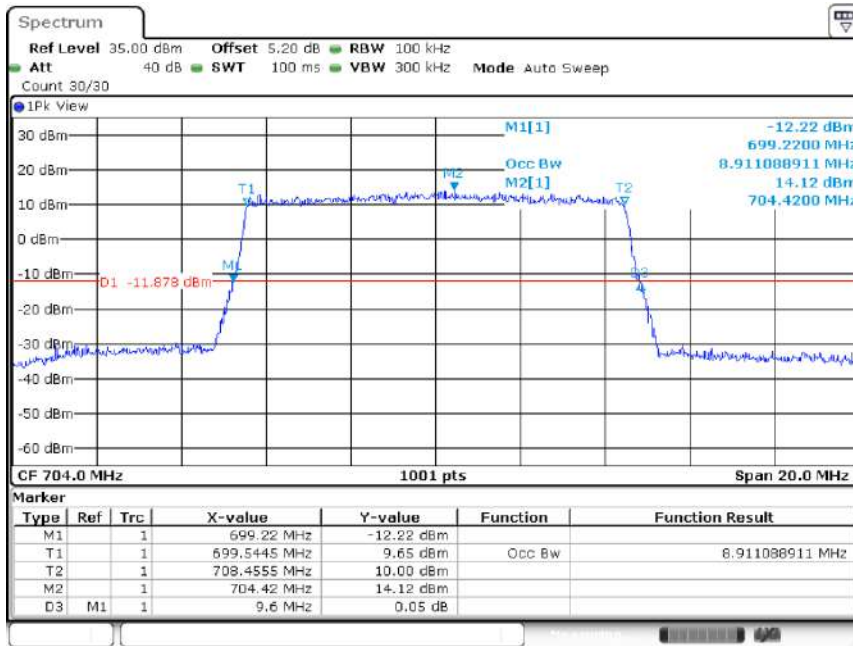
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Band12-10MHz-QPSK-23130-50RB#0-8.911



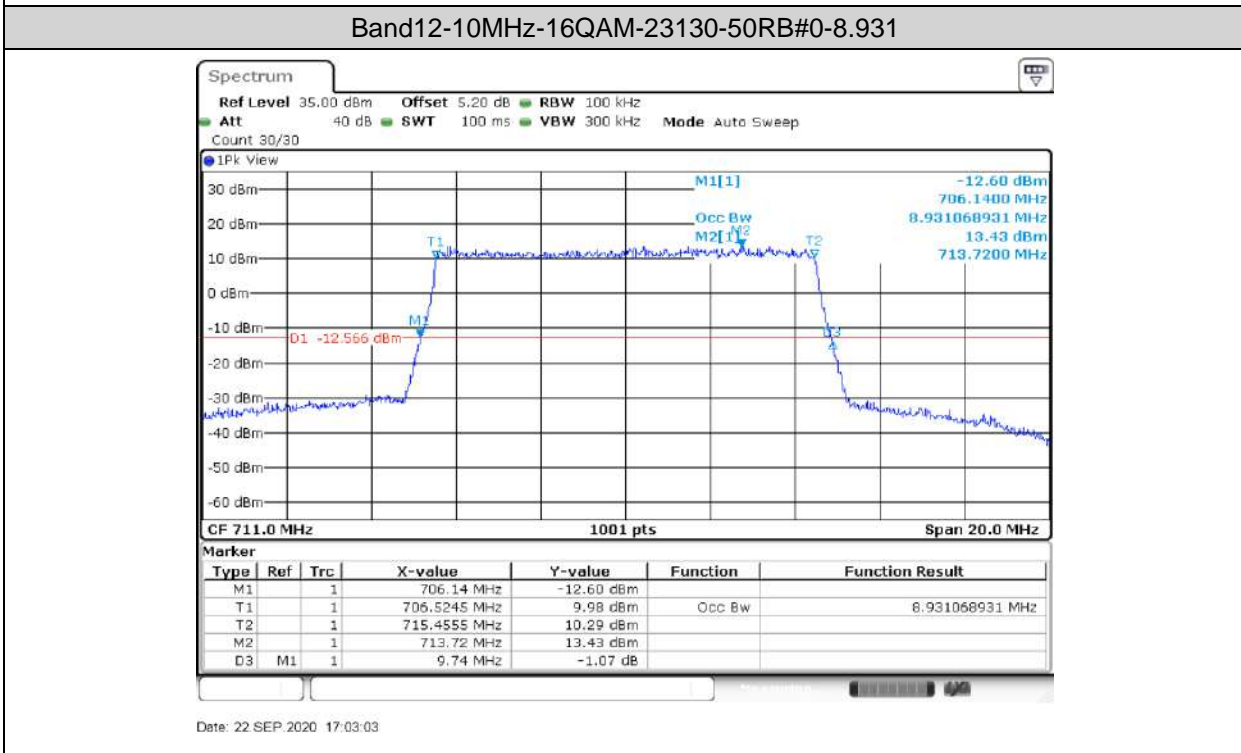
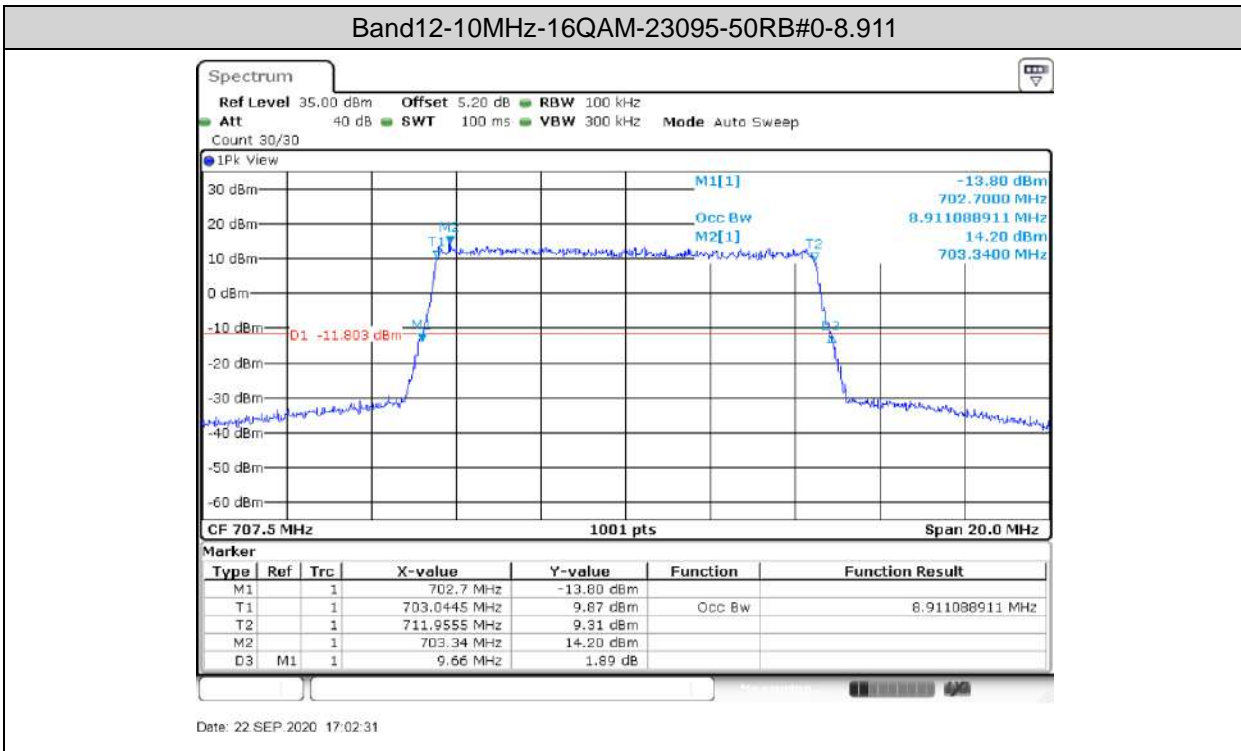
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Band12-10MHz-16QAM-23060-50RB#0-8.911



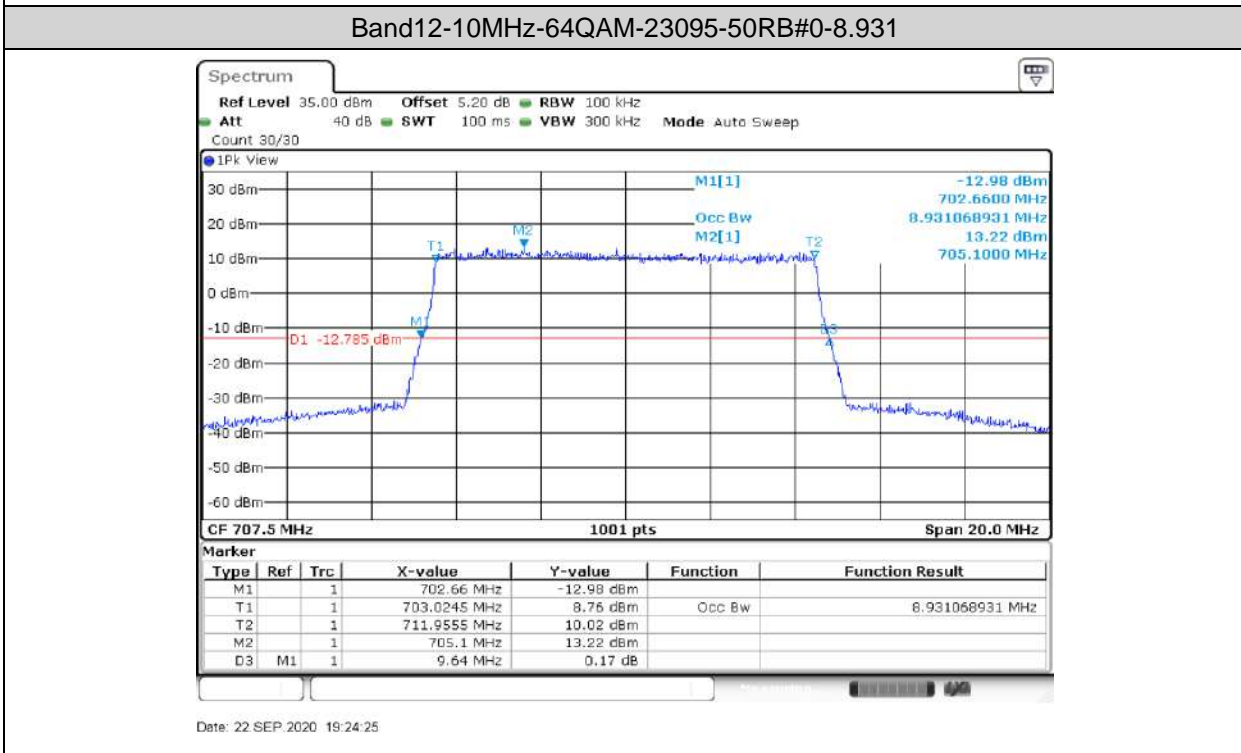
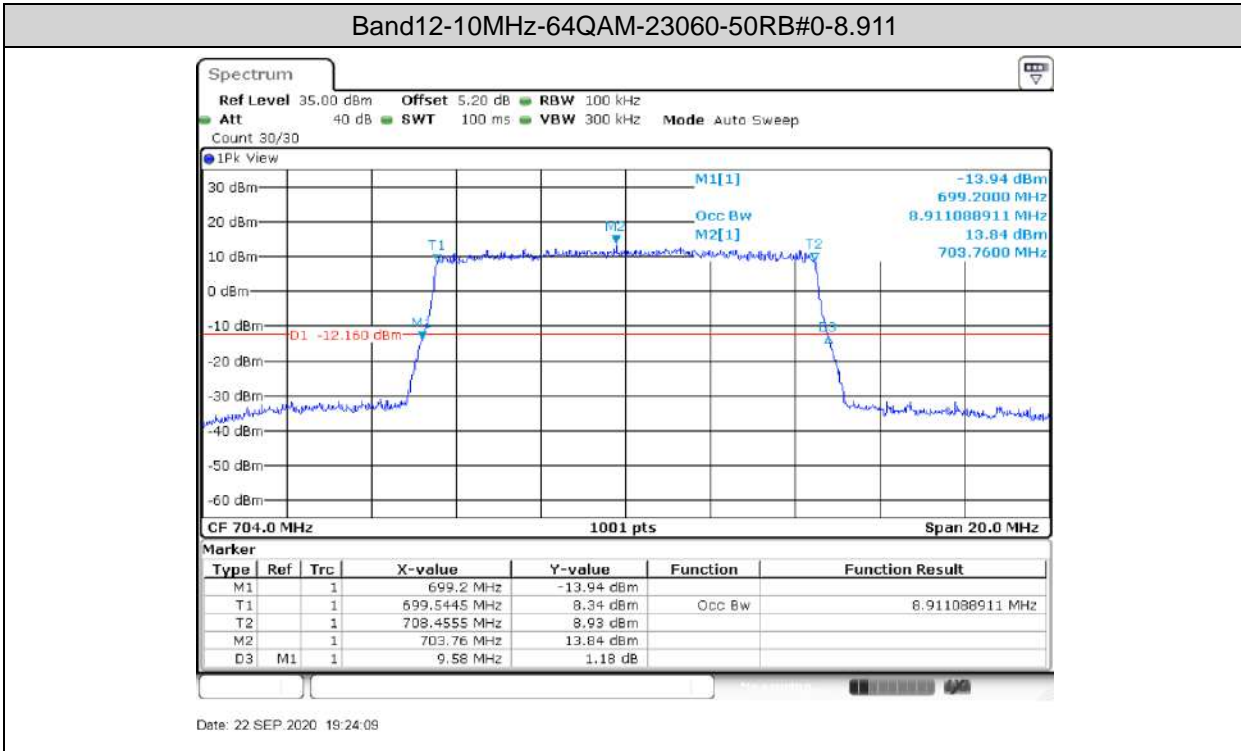
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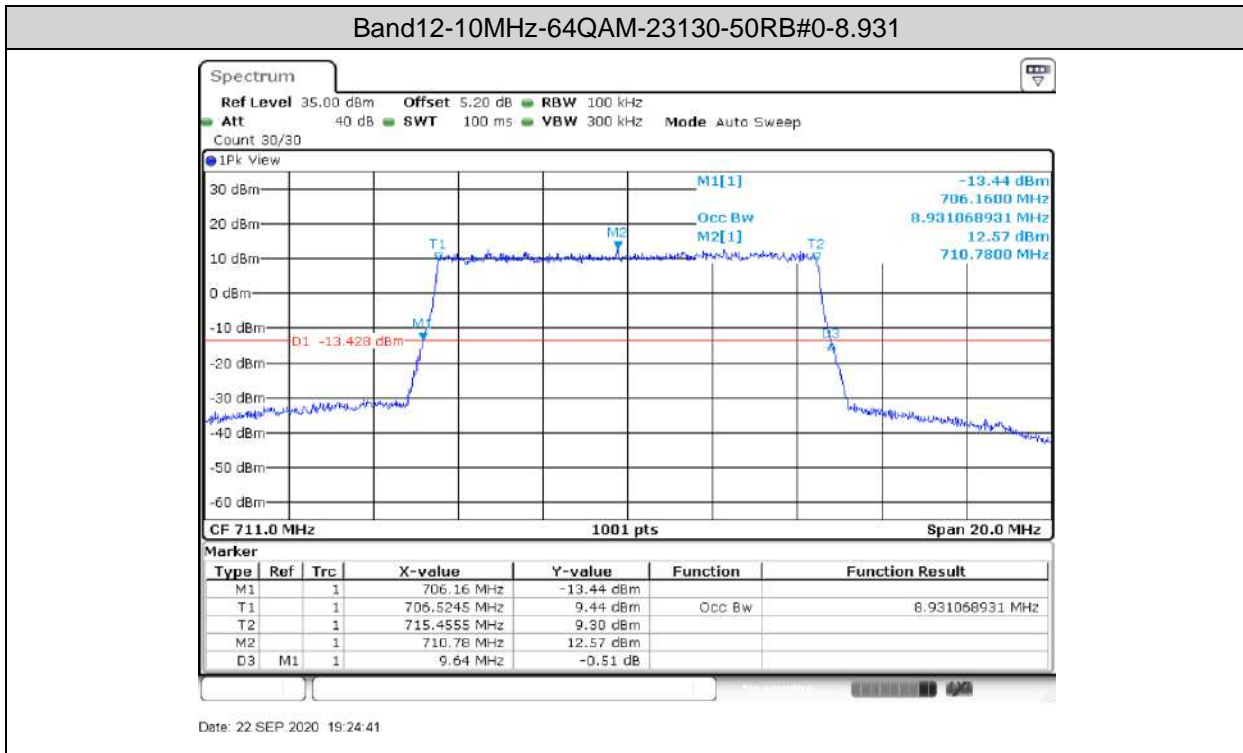


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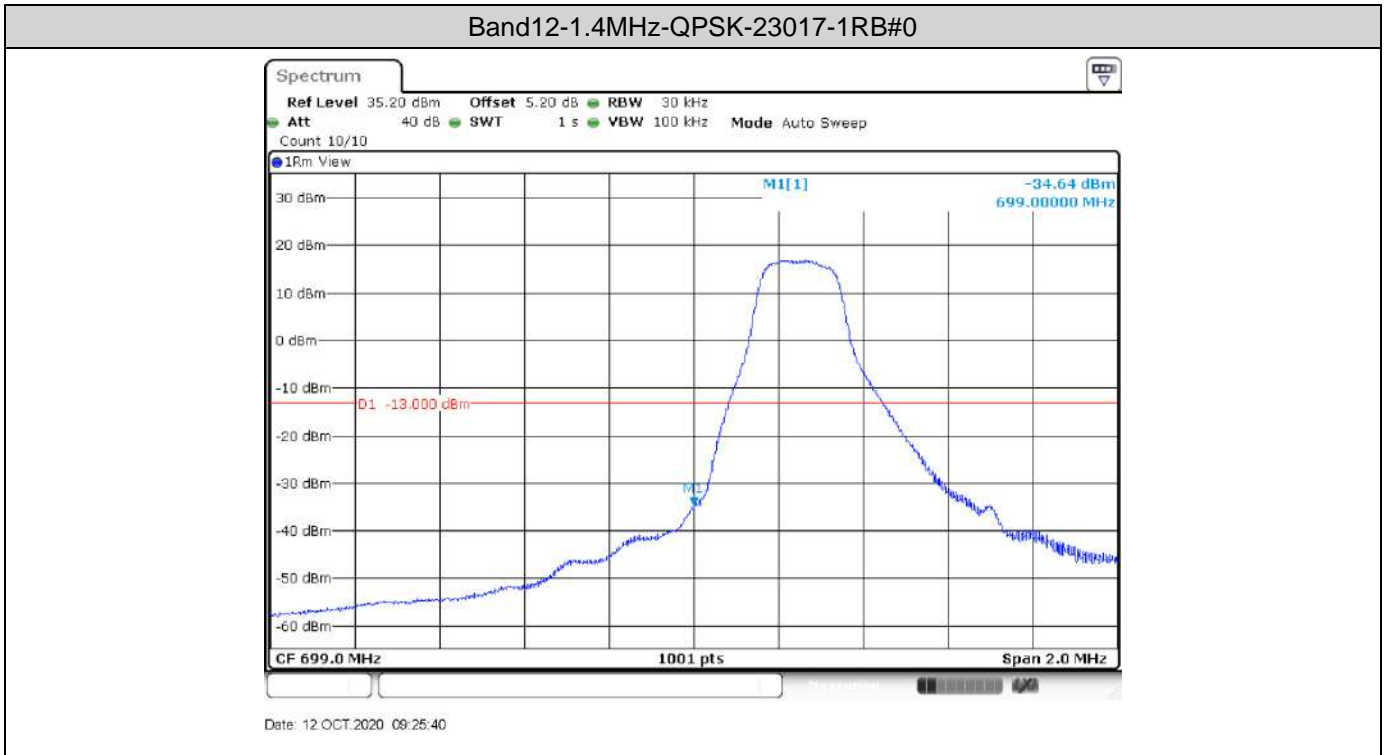


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5 Band Edge Compliance

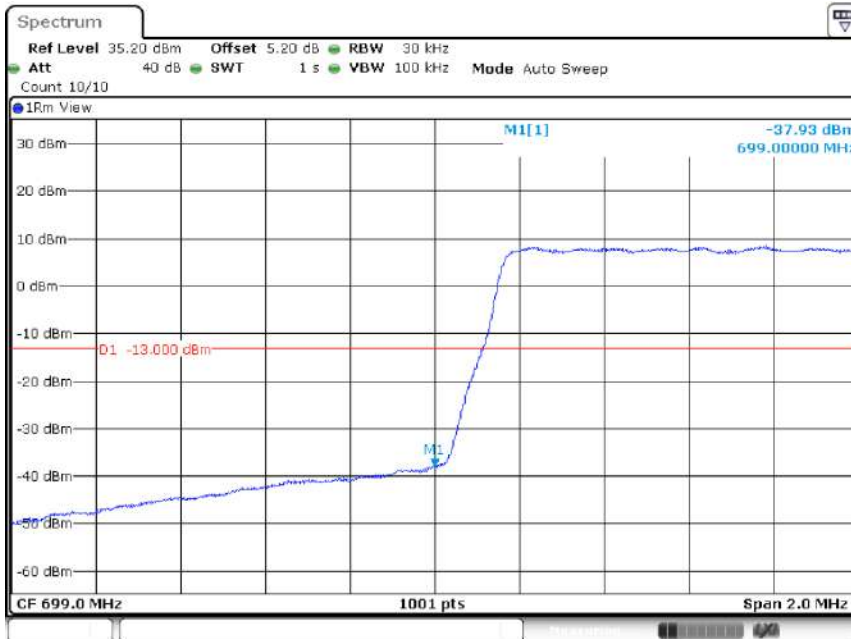
5.1 Test Plots



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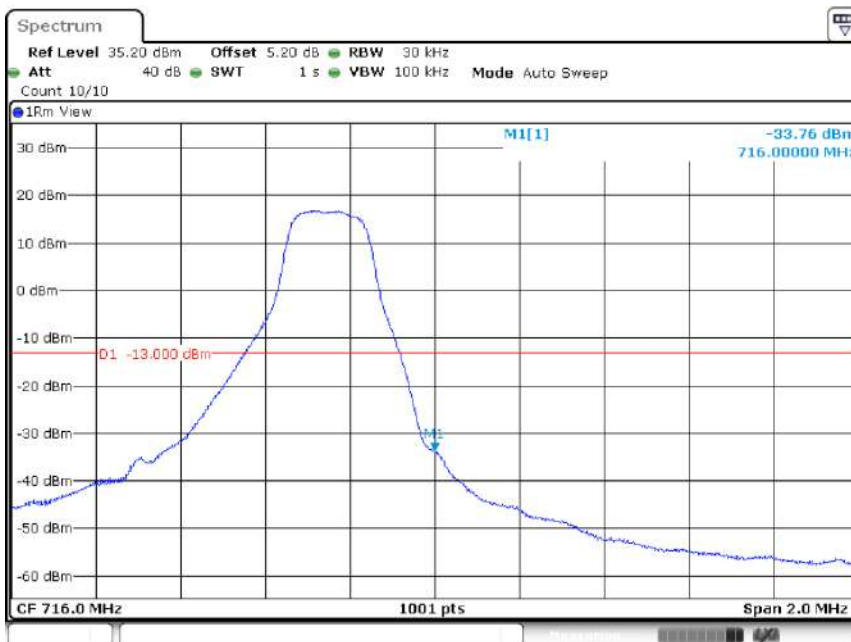
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Band12-1.4MHz-QPSK-23017-6RB#0



Date: 12.OCT.2020 09:26:21

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



Date: 12.OCT.2020 09:27:07



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



Date: 12.OCT.2020 09:27:47

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

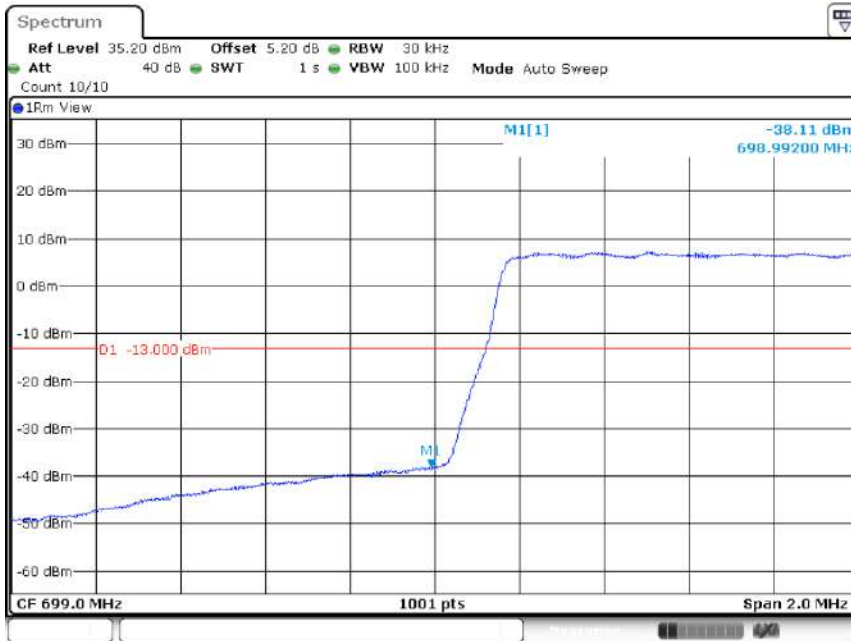


Date: 12.OCT.2020 09:37:58



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



Date: 12.OCT.2020 09:38:19

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



Date: 12.OCT.2020 09:38:44



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



Date: 12.OCT.2020 09:39:04

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

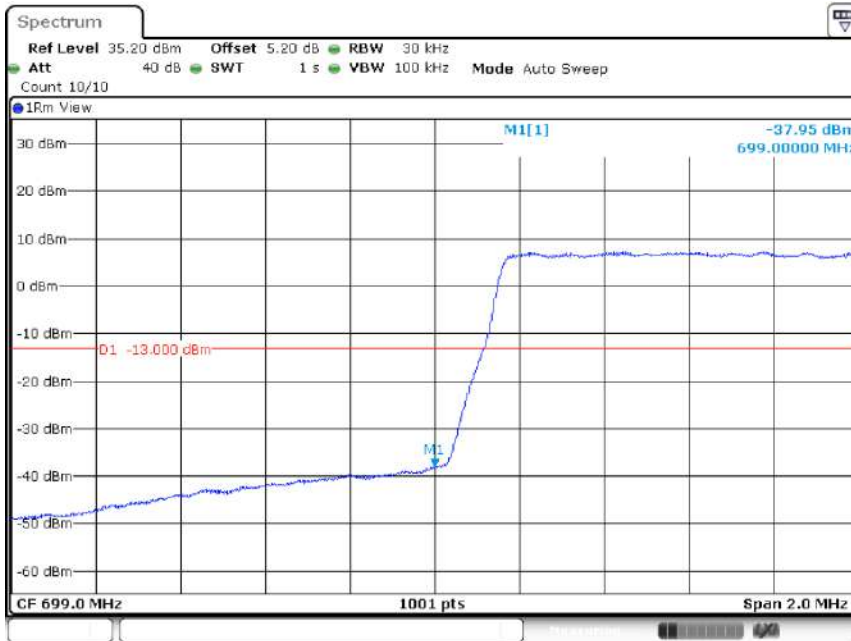


Date: 12.OCT.2020 09:26:01



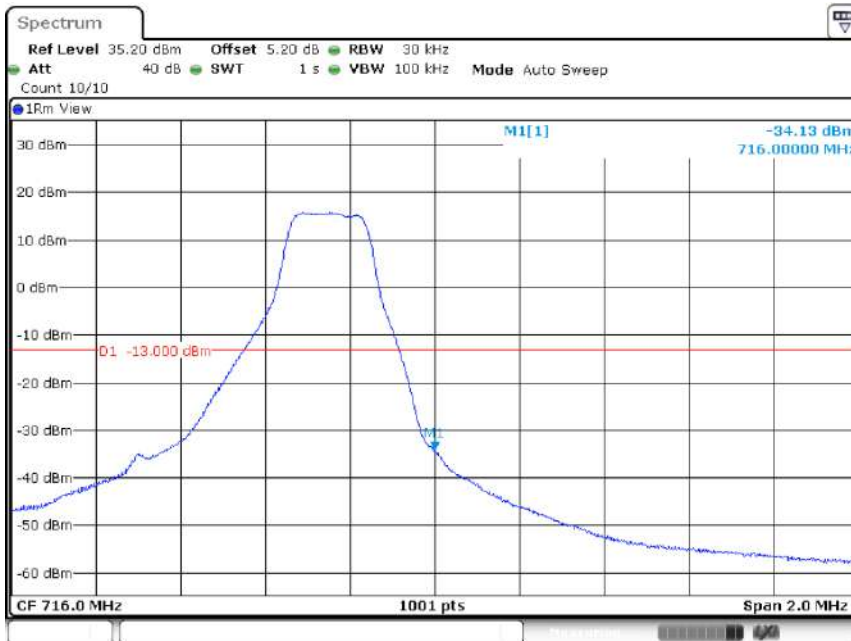
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Band12-1.4MHz-16QAM-23017-6RB#0



Date: 12.OCT.2020 09:26:42

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



Date: 12.OCT.2020 09:27:27



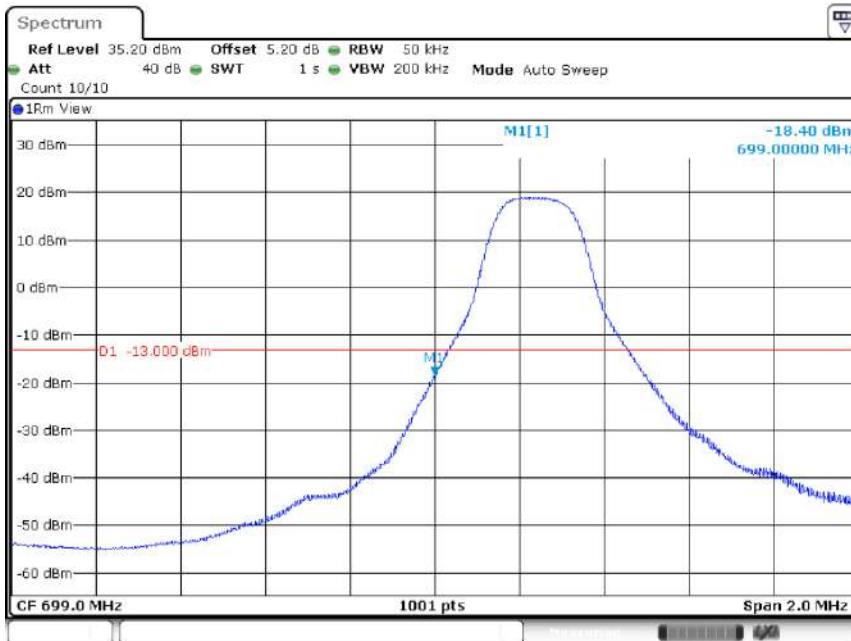
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Band12-1.4MHz-16QAM-23173-6RB#0



Date: 12.OCT.2020 09:28:08

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

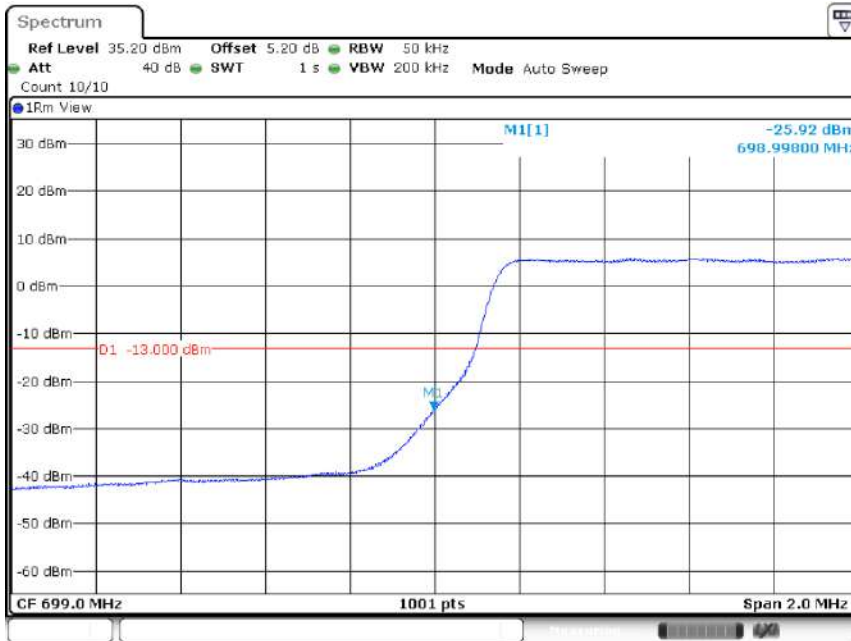


Date: 12.OCT.2020 09:28:33



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



Date: 12.OCT.2020 09:29:14

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

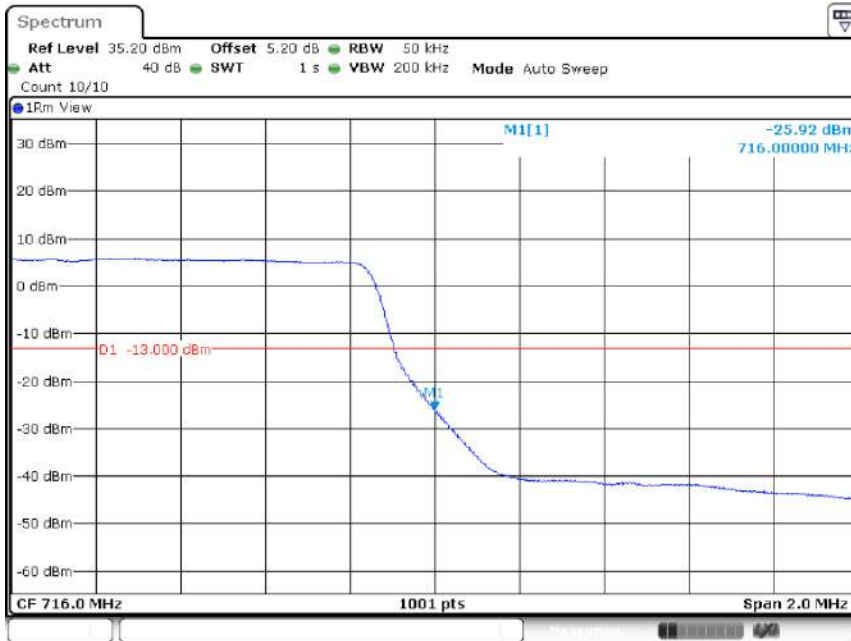


Date: 12.OCT.2020 09:30:00



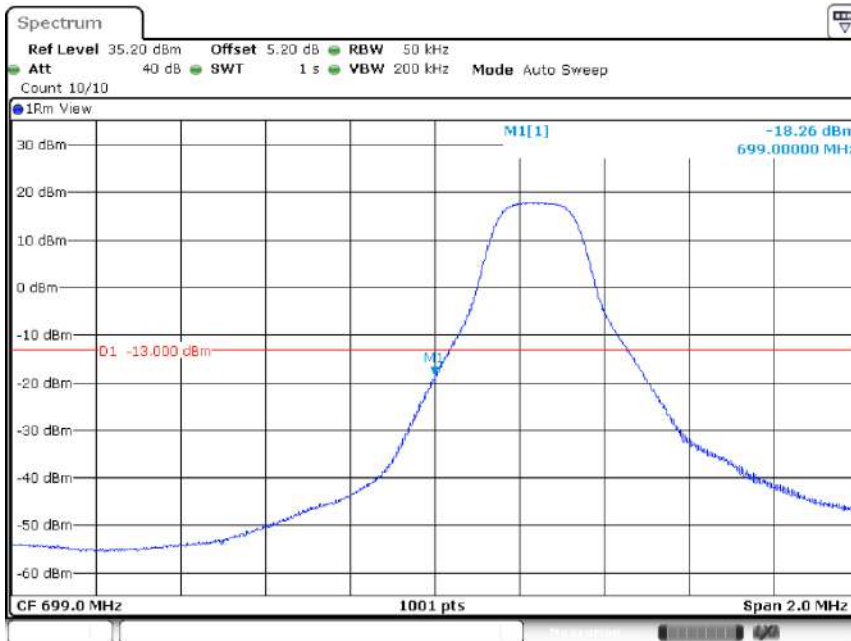
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Band12-3MHz-QPSK-23165-15RB#0



Date: 12.OCT.2020 09:30:41

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

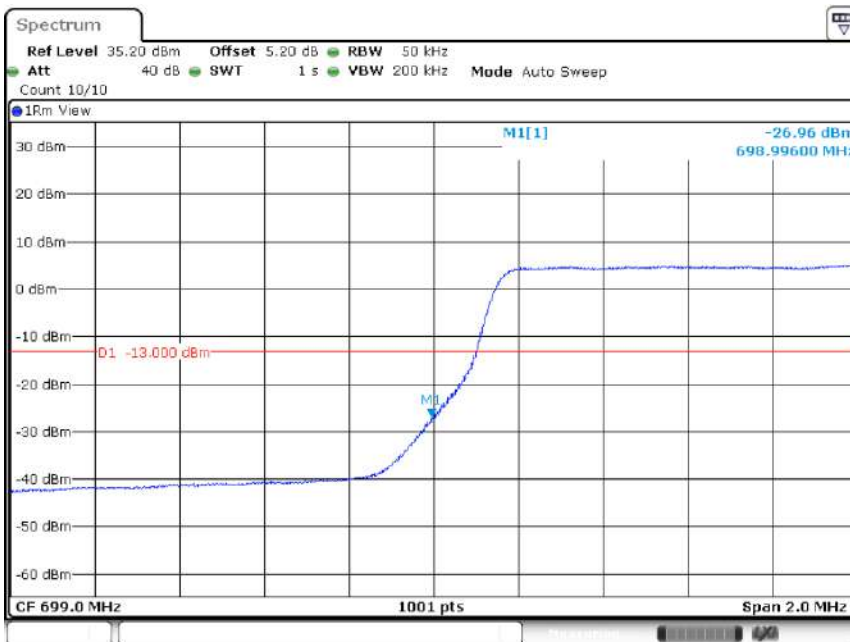


Date: 12.OCT.2020 09:39:30



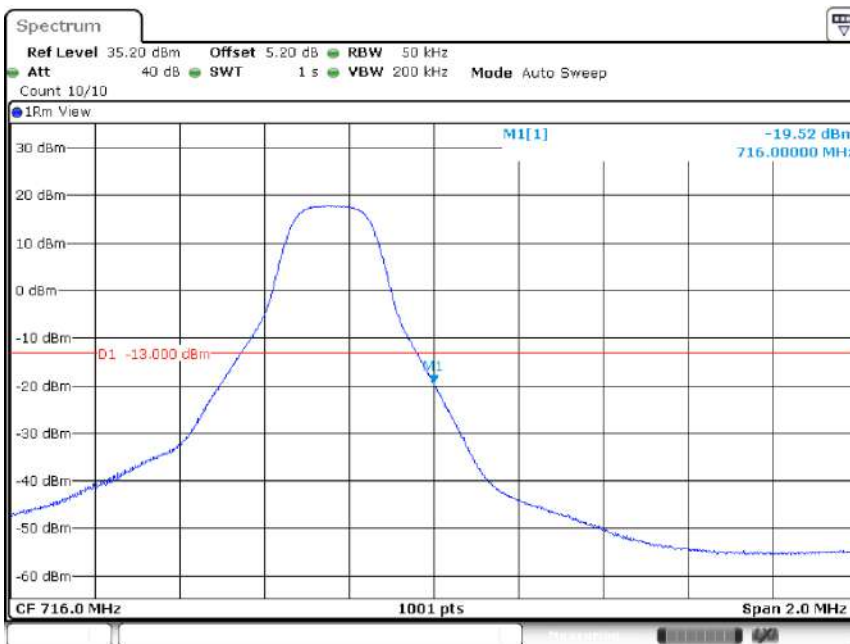
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Band12-3MHz-64QAM-23025-15RB#0



Date: 12.OCT.2020 09:39:50

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

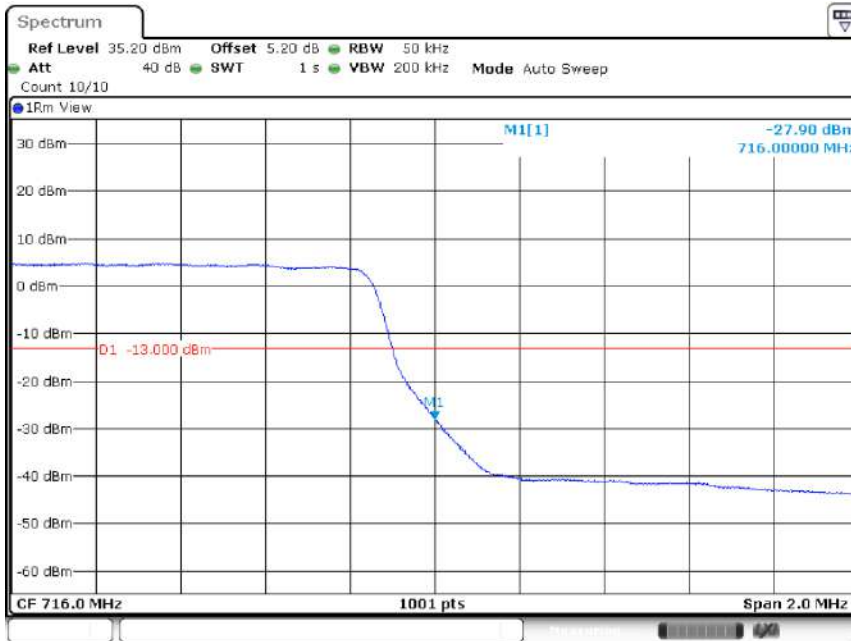


Date: 12.OCT.2020 09:40:15



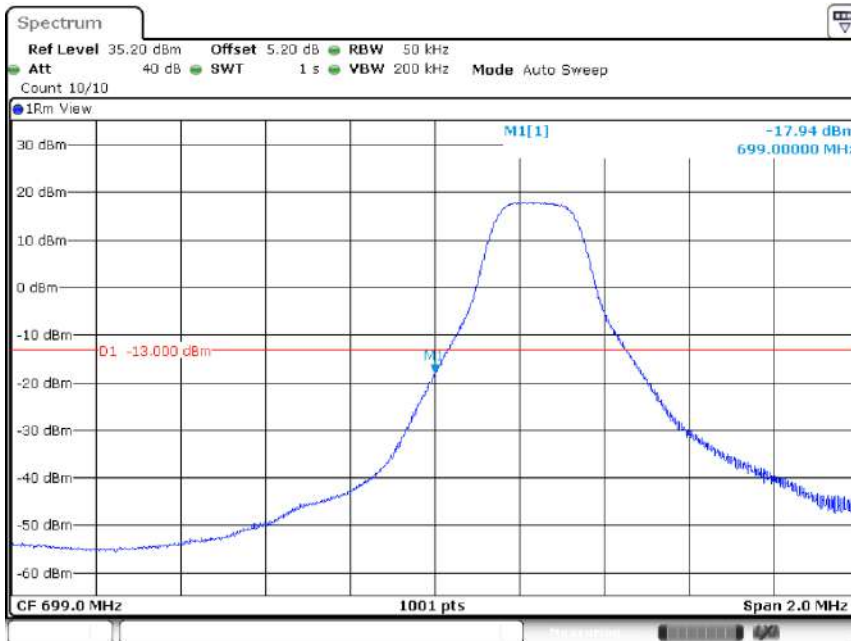
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Band12-3MHz-64QAM-23165-15RB#0



Date: 12.OCT.2020 09:40:35

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

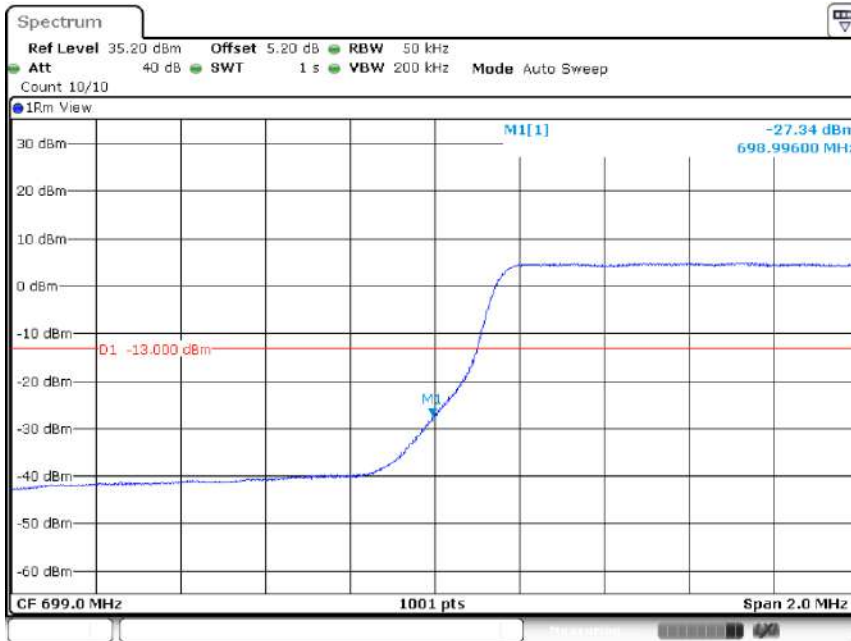


Date: 12.OCT.2020 09:28:54



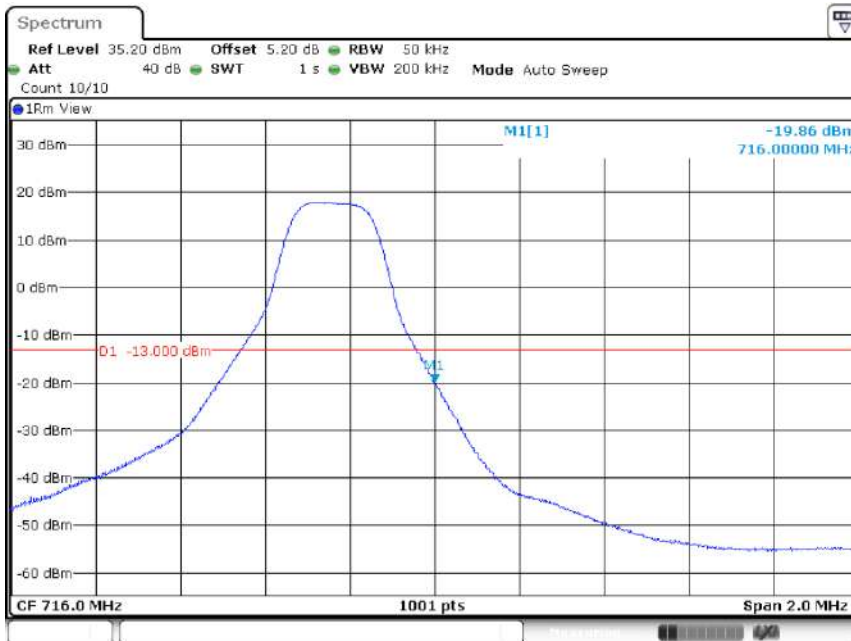
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Band12-3MHz-16QAM-23025-15RB#0



Date: 12.OCT.2020 09:29:35

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



Date: 12.OCT.2020 09:30:20



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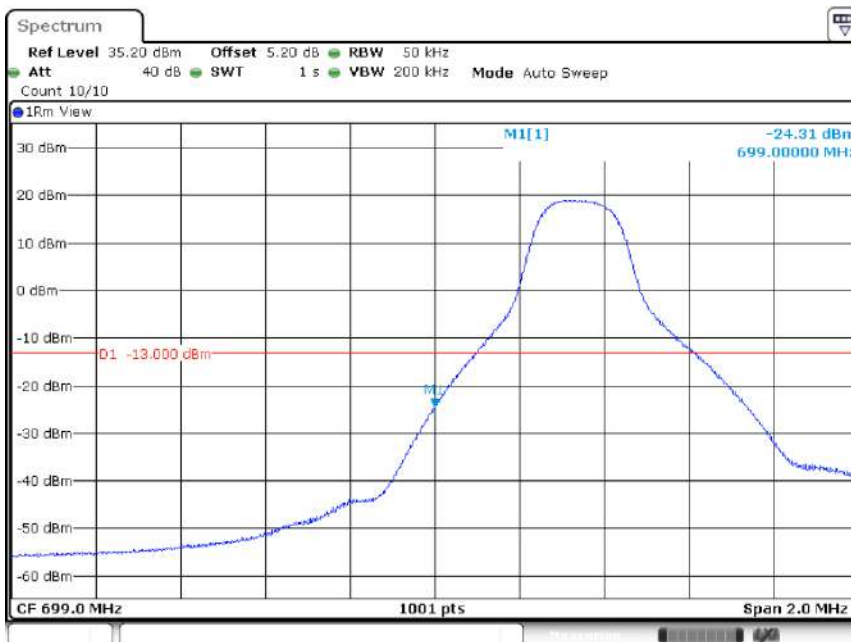
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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



Date: 12.OCT.2020 09:31:01

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



Date: 12.OCT.2020 09:31:26



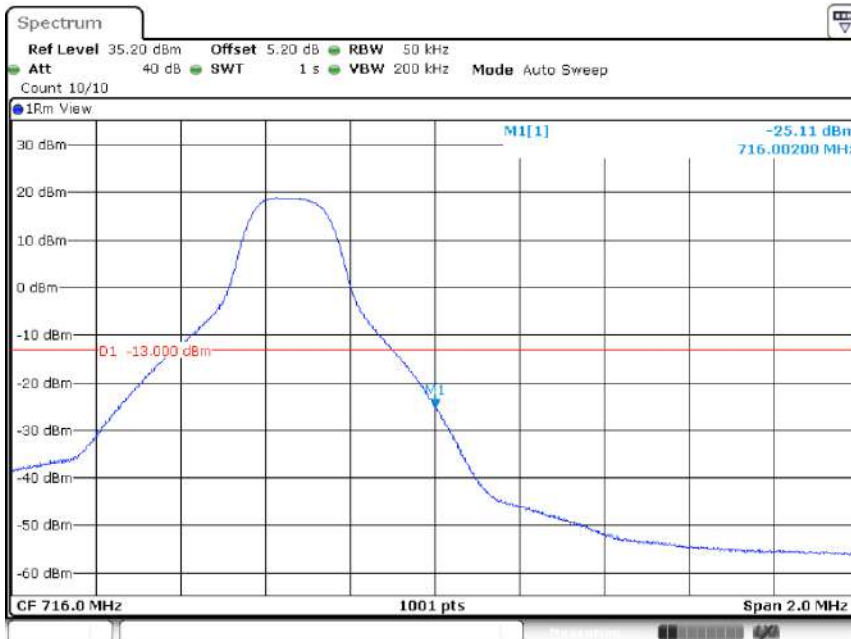
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Band12-5MHz-QPSK-23035-25RB#0



Date: 12.OCT.2020 09:32:07

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

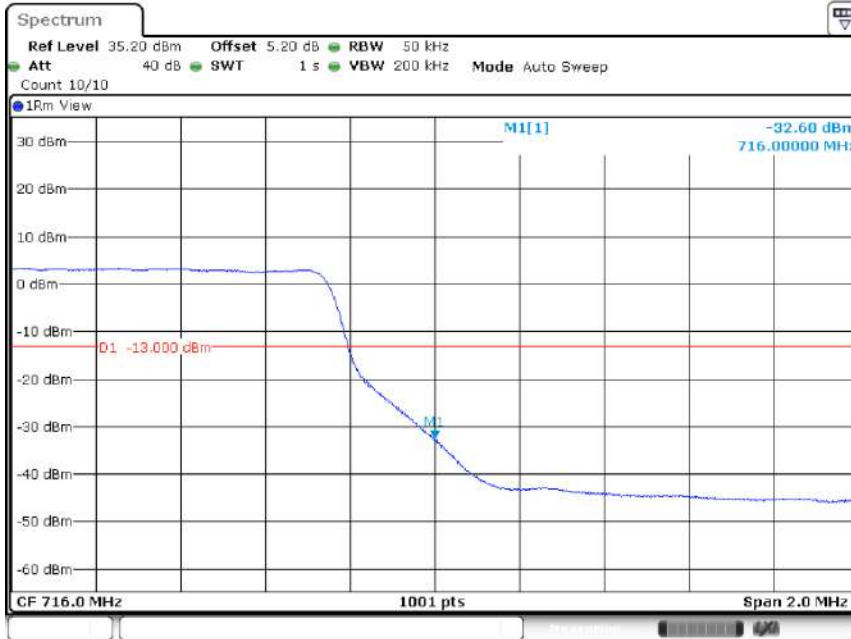


Date: 12.OCT.2020 09:32:53



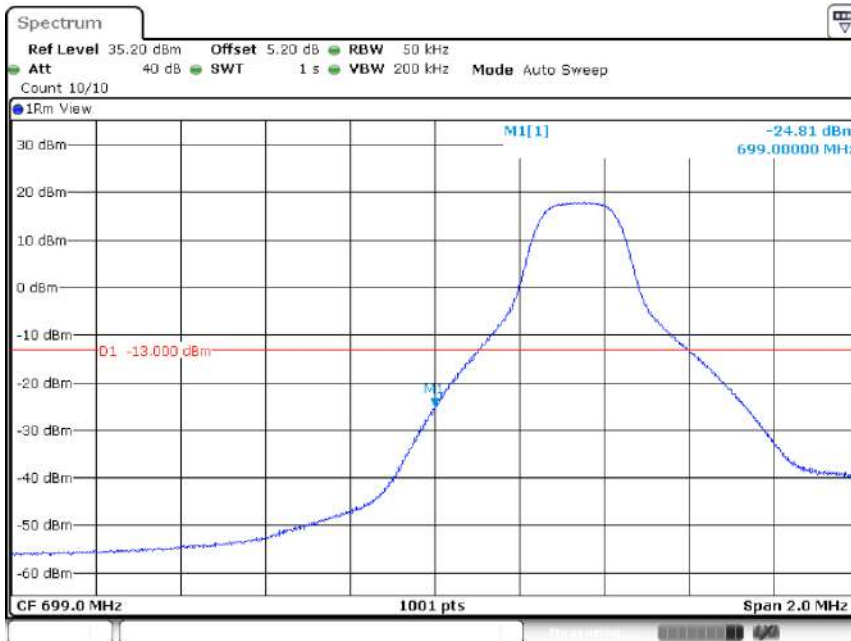
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Band12-5MHz-QPSK-23155-25RB#0



Date: 12.OCT.2020 09:33:34

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



Date: 12.OCT.2020 09:41:01



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



Date: 12.OCT.2020 09:41:21

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



Date: 12.OCT.2020 09:41:46



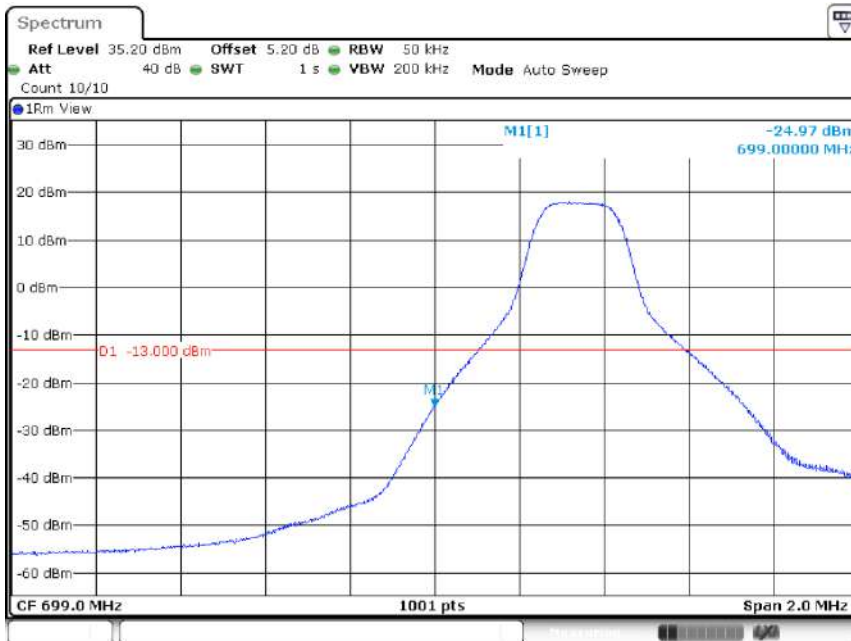
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Band12-5MHz-64QAM-23155-25RB#0



Date: 12.OCT.2020 09:42:07

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



Date: 12.OCT.2020 09:31:47



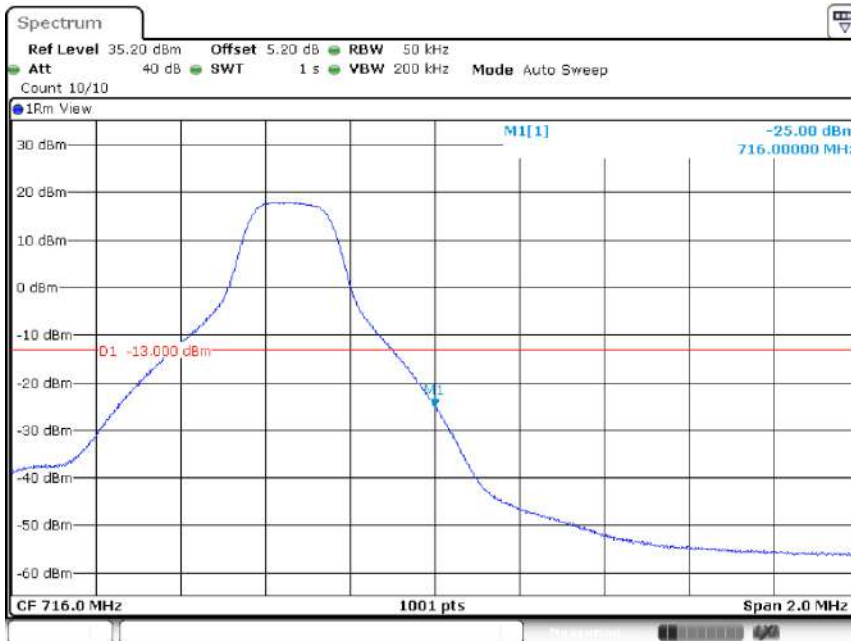
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Band12-5MHz-16QAM-23035-25RB#0



Date: 12.OCT.2020 09:32:28

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

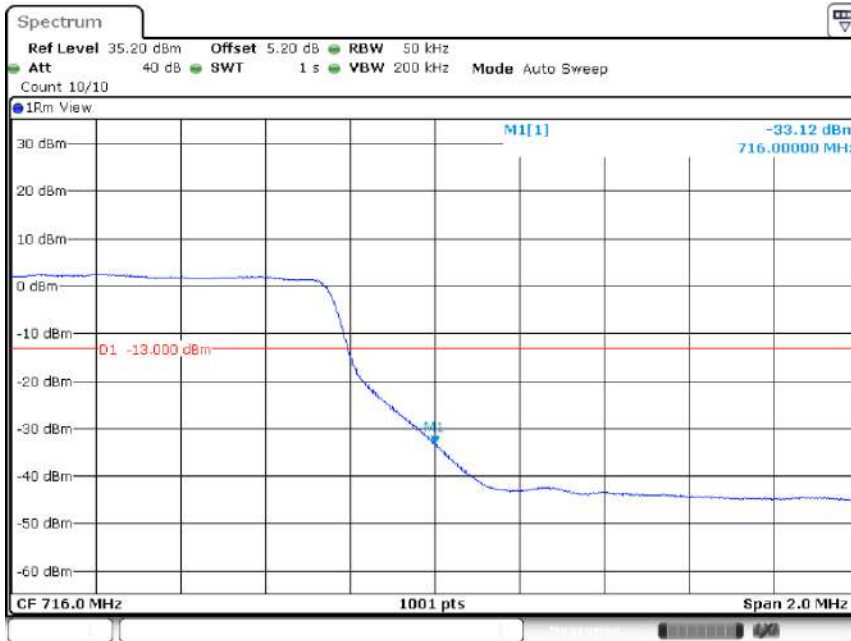


Date: 12.OCT.2020 09:33:13



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



Date: 12.OCT.2020 09:33:54

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



Date: 12.OCT.2020 09:34:20



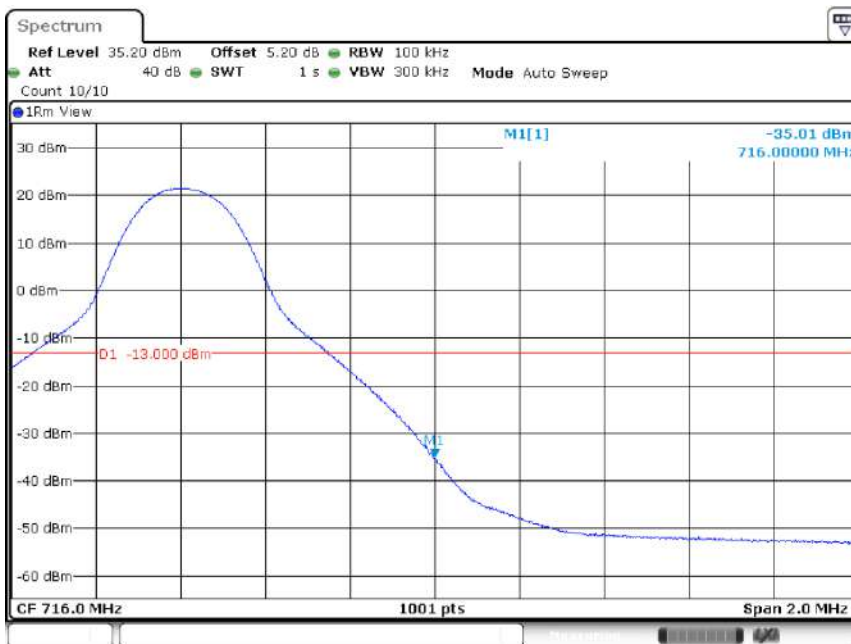
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Band12-10MHz-QPSK-23060-50RB#0



Date: 12.OCT.2020 09:35:01

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



Date: 12.OCT.2020 09:35:46



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



Date: 12.OCT.2020 09:36:27

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



Date: 12.OCT.2020 09:42:32



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



Date: 12.OCT.2020 09:42:53

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

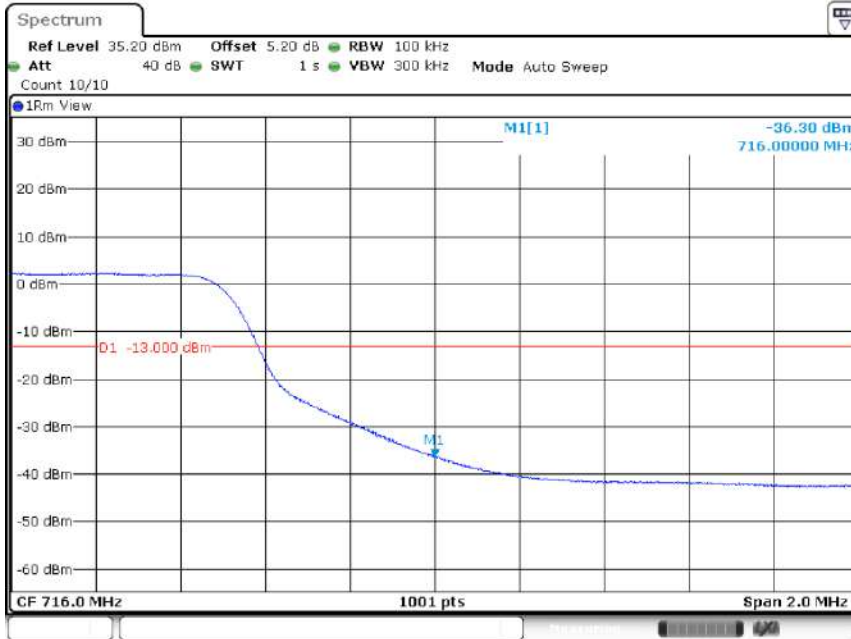


Date: 12.OCT.2020 09:43:18



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



Date: 12.OCT.2020 09:43:38

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



Date: 12.OCT.2020 09:34:40



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



Date: 12.OCT.2020 09:35:21

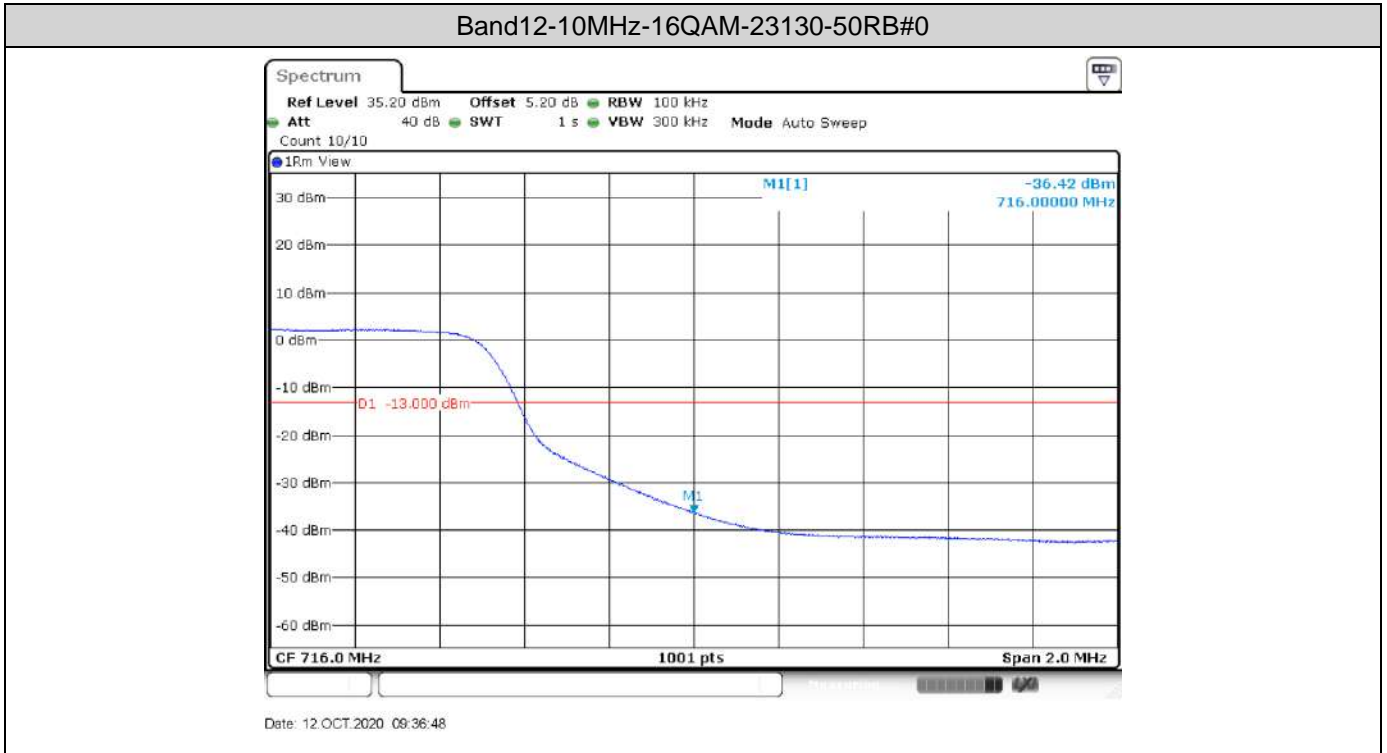
Band12-10MHz-16QAM-23130-1RB#49



Date: 12.OCT.2020 09:36:06



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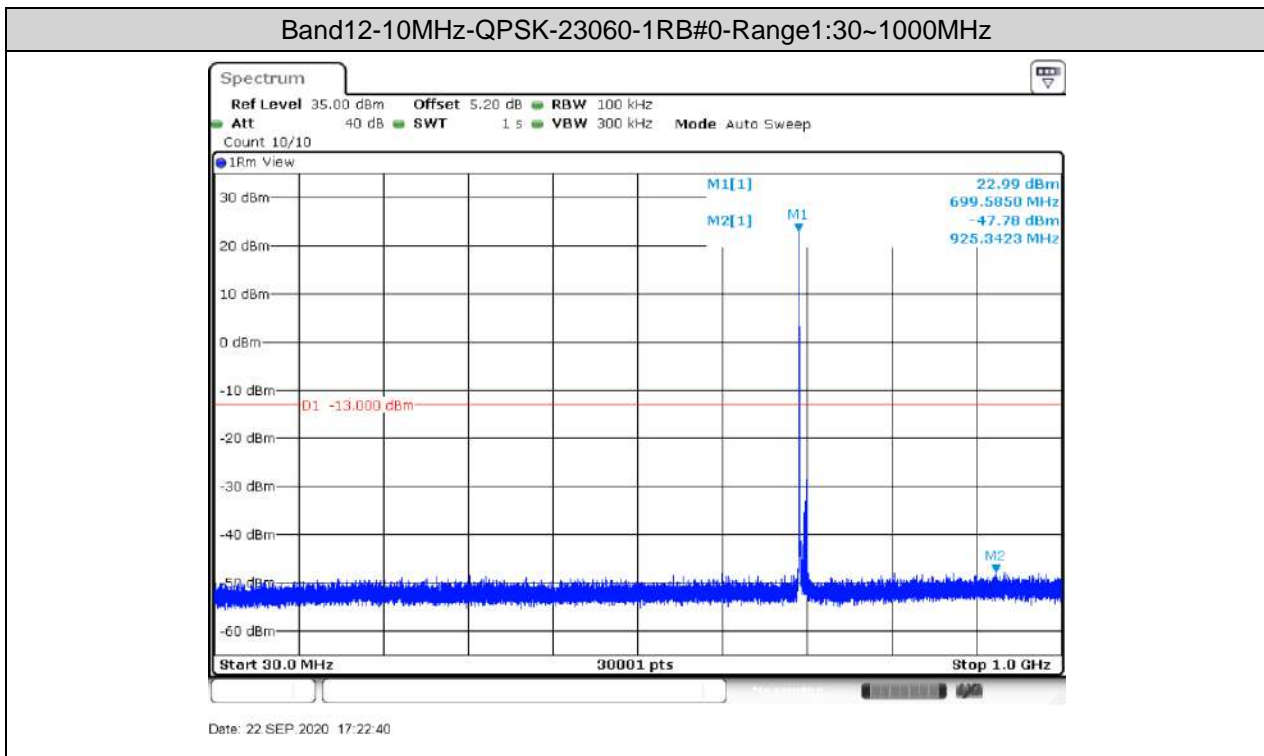
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6 Spurious Emission at Antenna Terminal

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

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

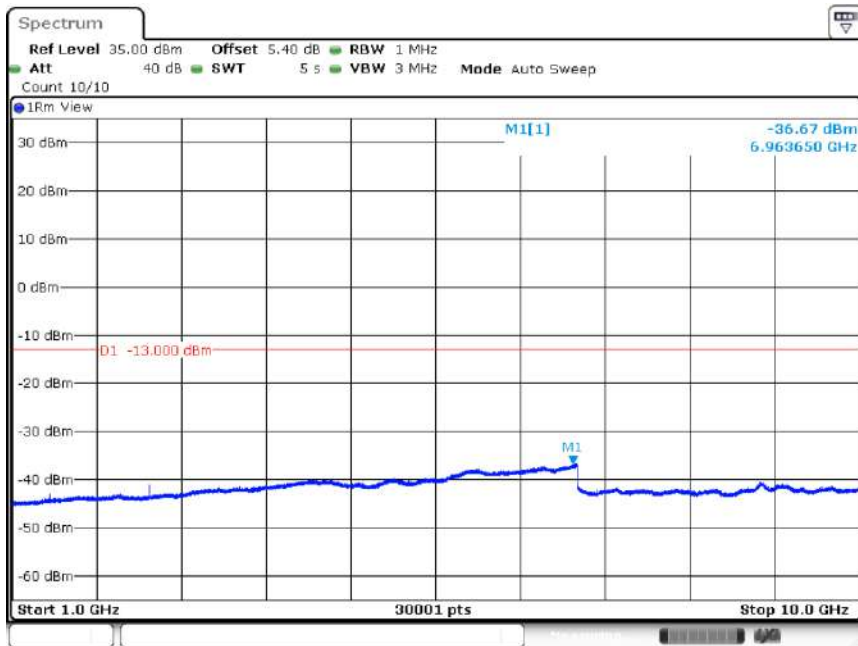
6.1 Test Plots



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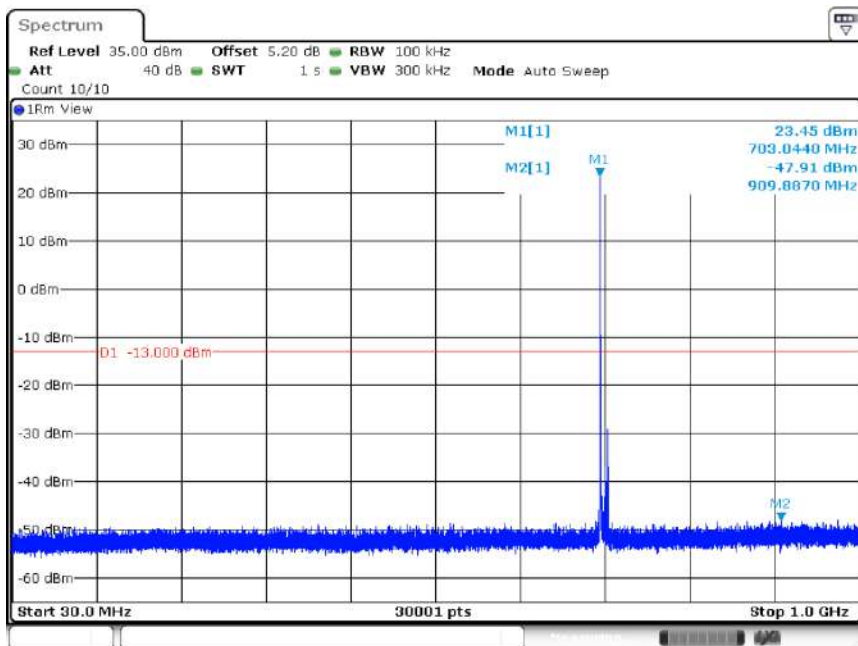
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Band12-10MHz-QPSK-23060-1RB#0-Range2:1000~10000MHz



Date: 22 SEP 2020 17:23:48

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

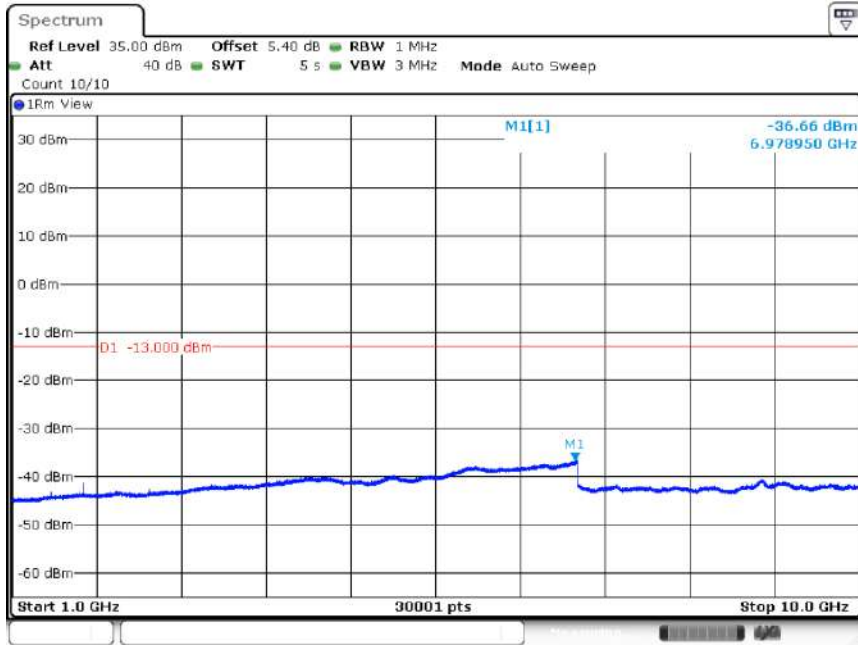


Date: 22 SEP 2020 17:25:42



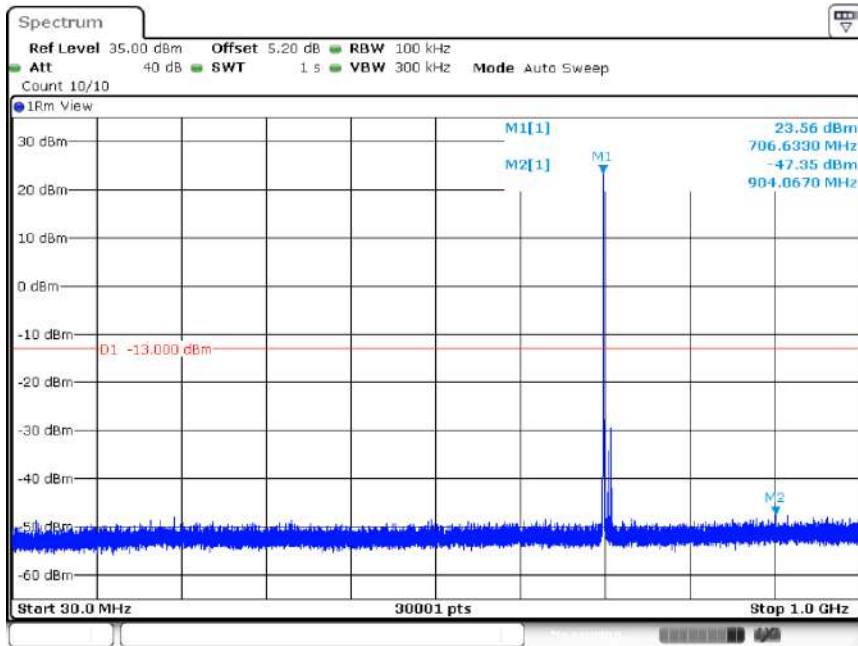
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Band12-10MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz



Date: 22 SEP 2020 17:26:50

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

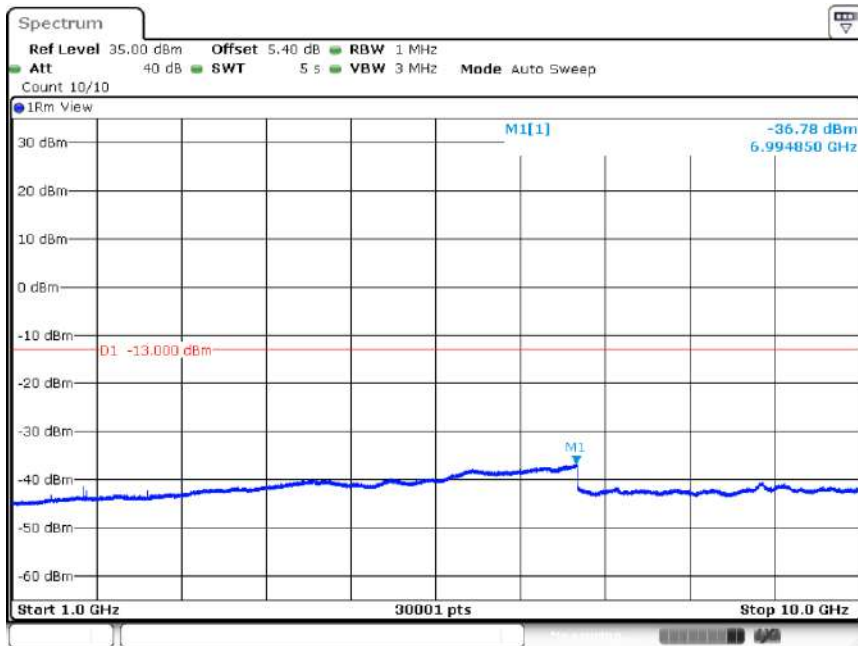


Date: 22 SEP 2020 17:28:44



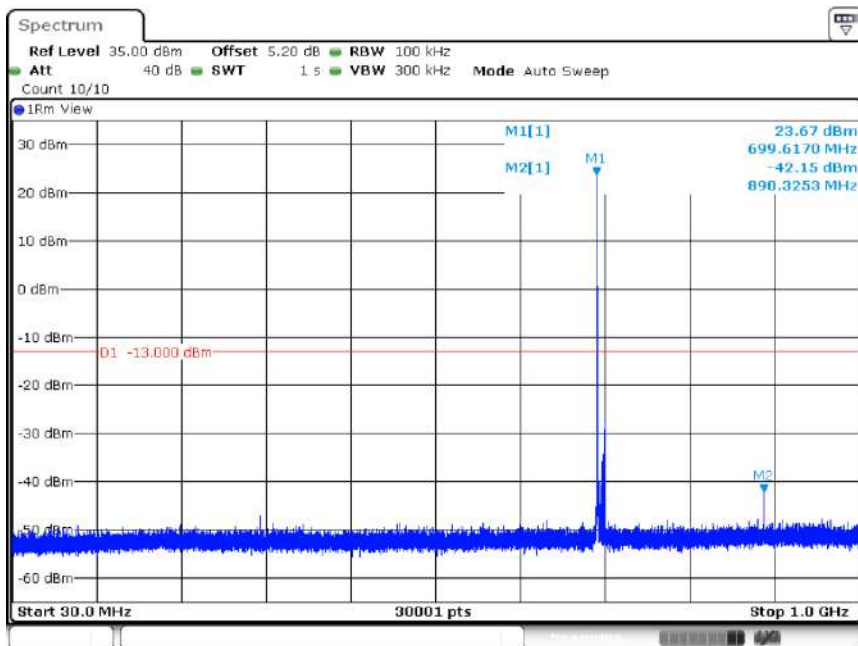
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Band12-10MHz-QPSK-23130-1RB#0-Range2:1000~10000MHz



Date: 22 SEP 2020 17:29:53

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

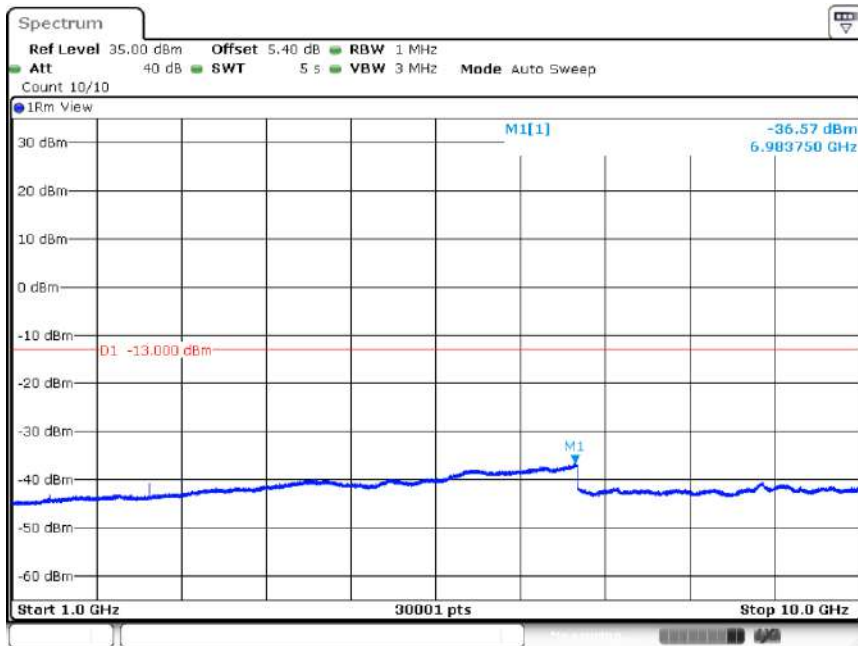


Date: 22 SEP 2020 17:24:11



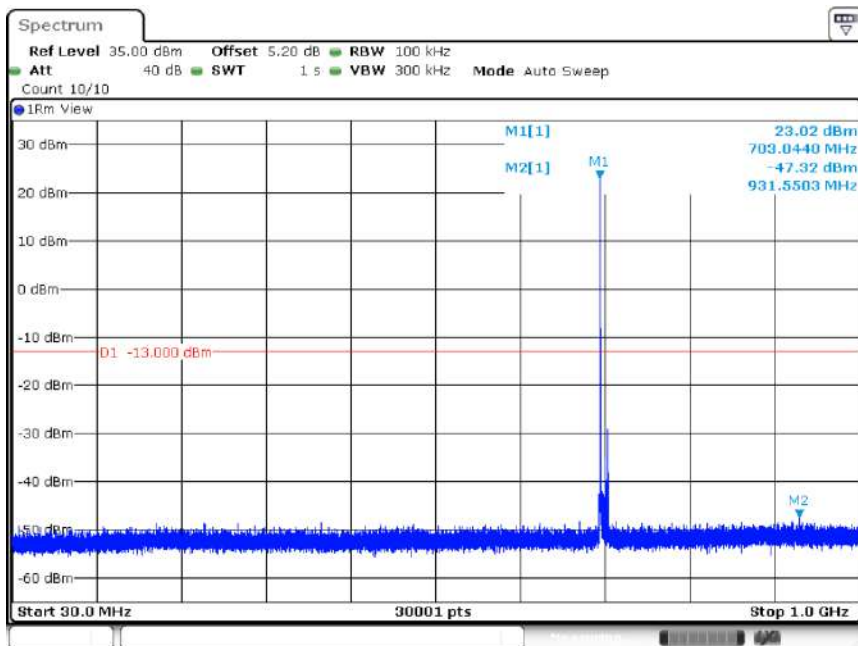
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Band12-10MHz-16QAM-23060-1RB#0-Range2:1000~10000MHz



Date: 22 SEP 2020 17:25:19

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

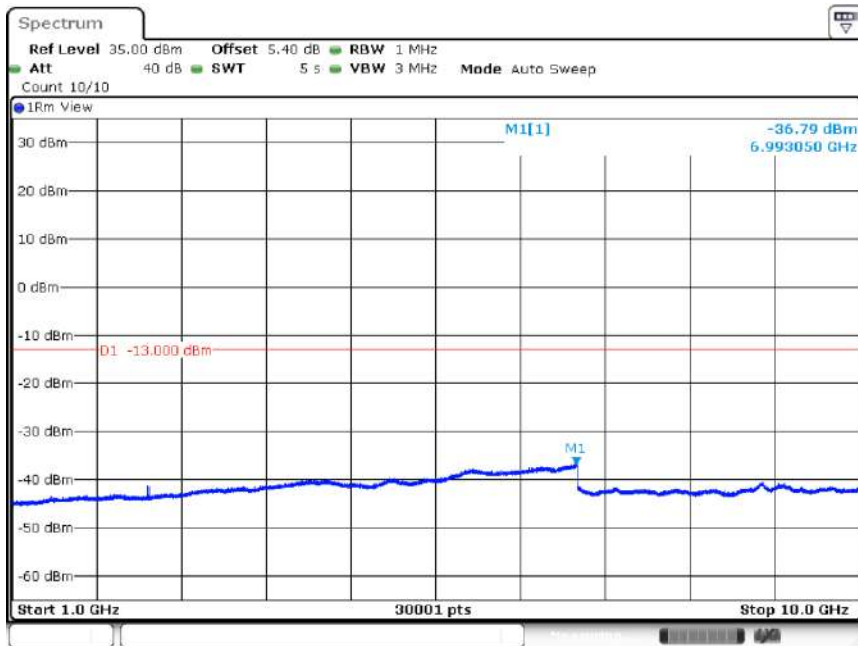


Date: 22 SEP 2020 17:27:13



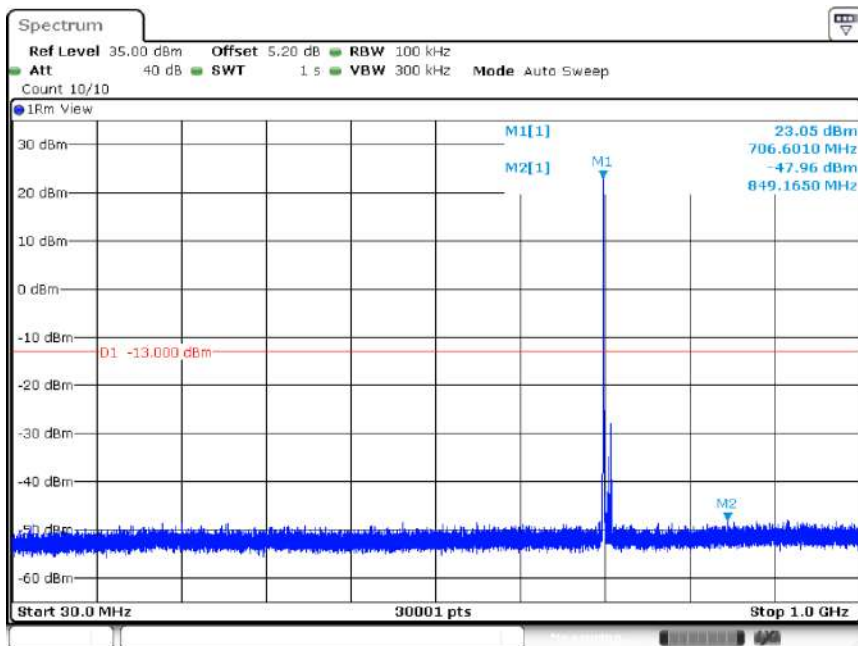
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Band12-10MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz



Date: 22 SEP 2020 17:28:21

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

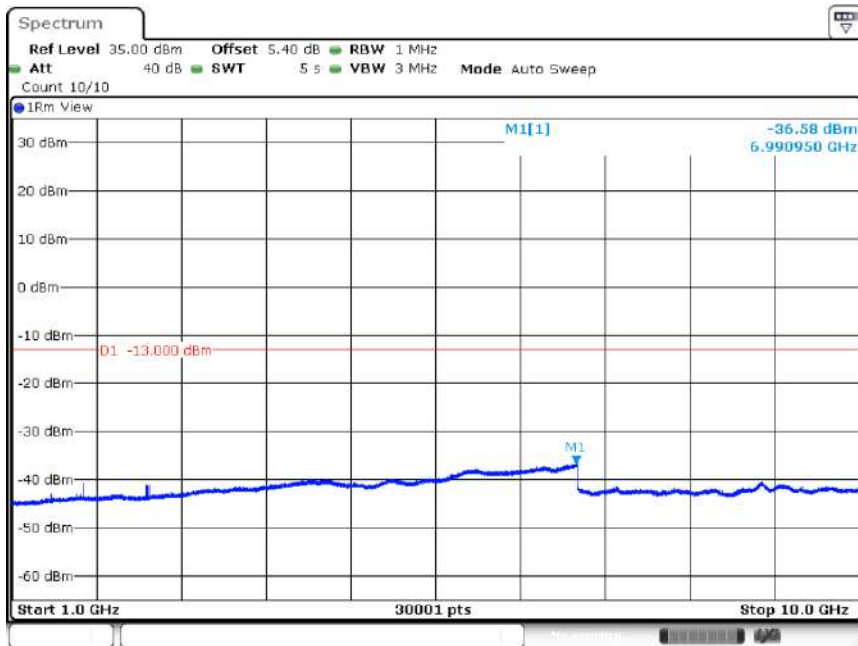


Date: 22 SEP 2020 17:30:15



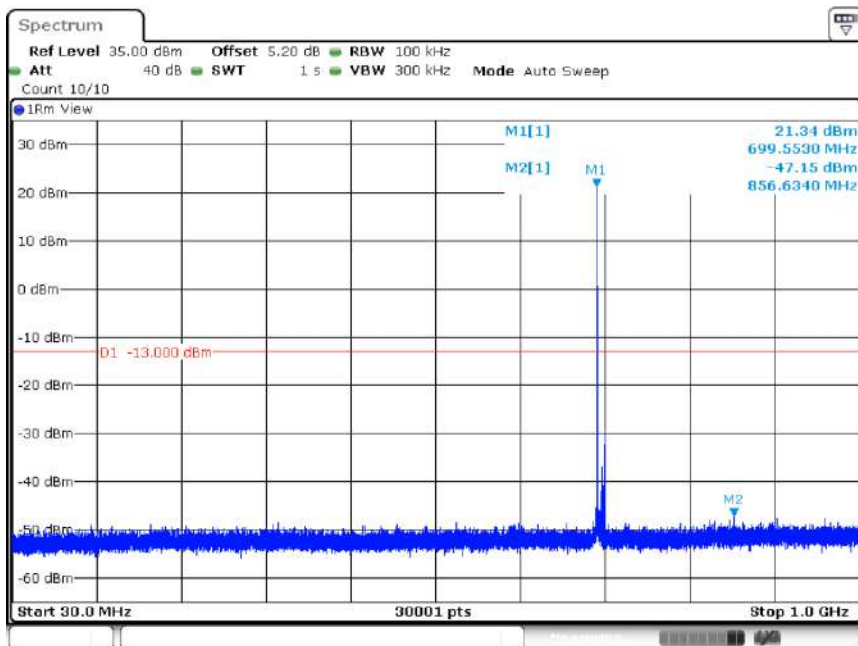
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Band12-10MHz-16QAM-23130-1RB#0-Range2:1000~10000MHz



Date: 22 SEP 2020 17:31:24

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

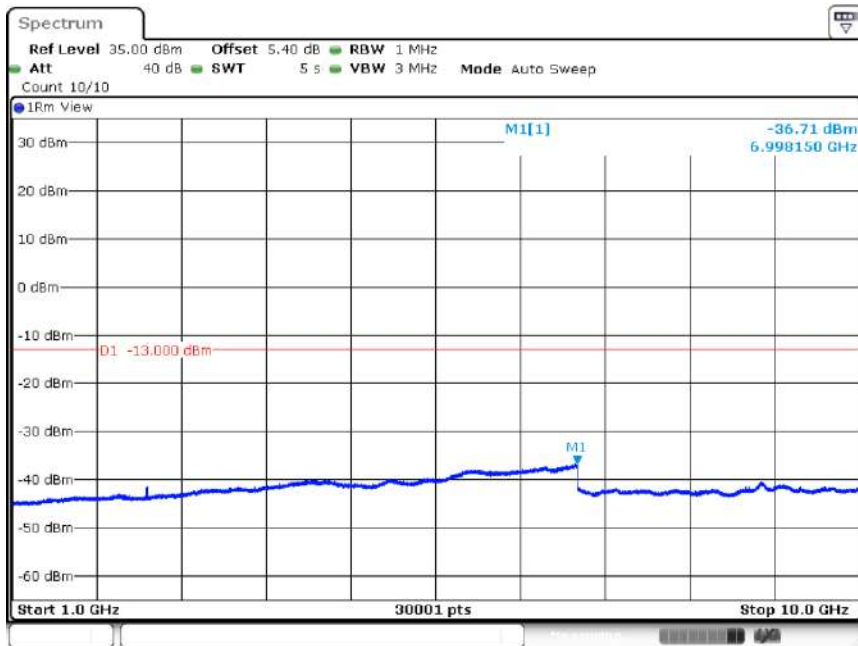


Date: 22 SEP 2020 19:32:42



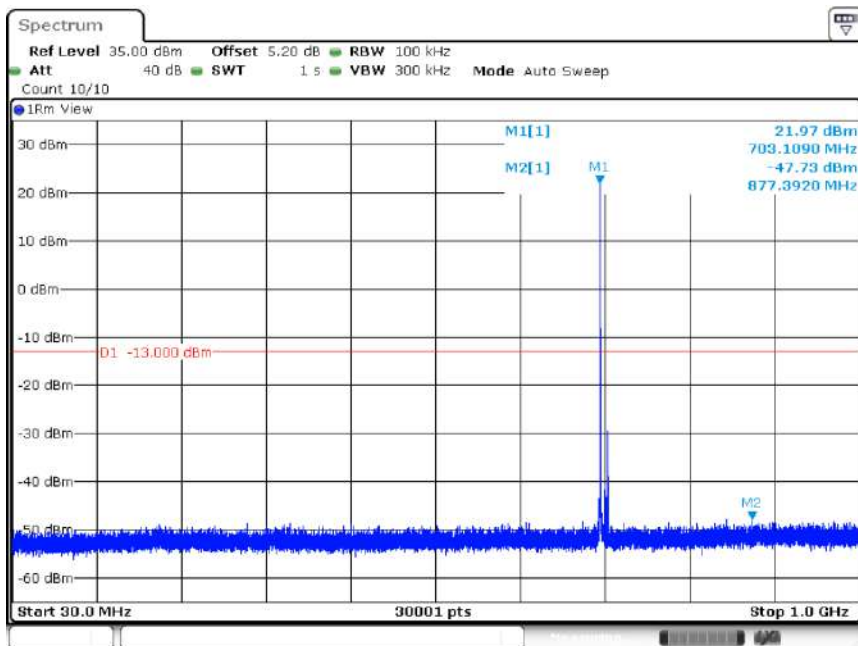
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Band12-10MHz-64QAM-23060-1RB#0-Range2:1000~10000MHz



Date: 22 SEP 2020 19:33:50

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

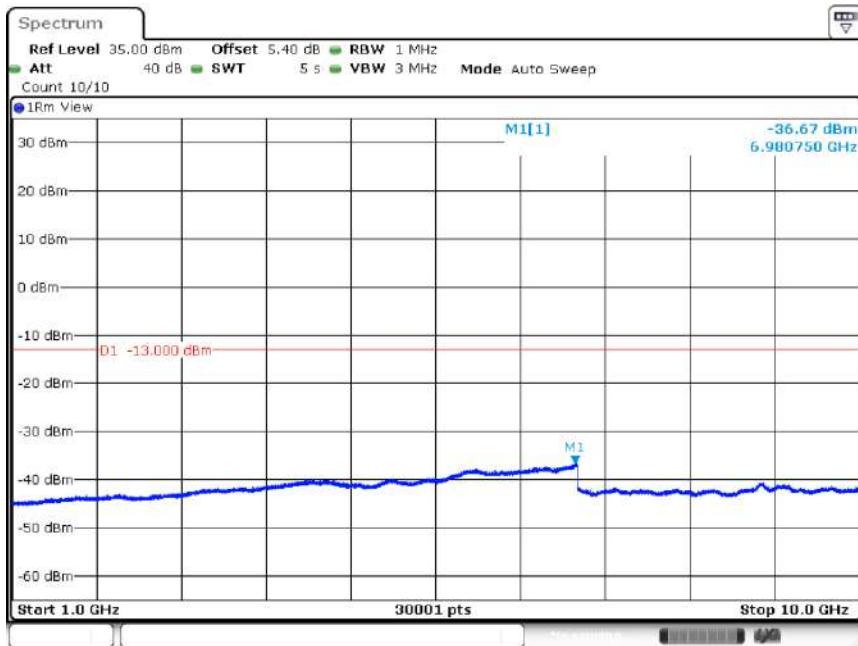


Date: 22 SEP 2020 19:34:13



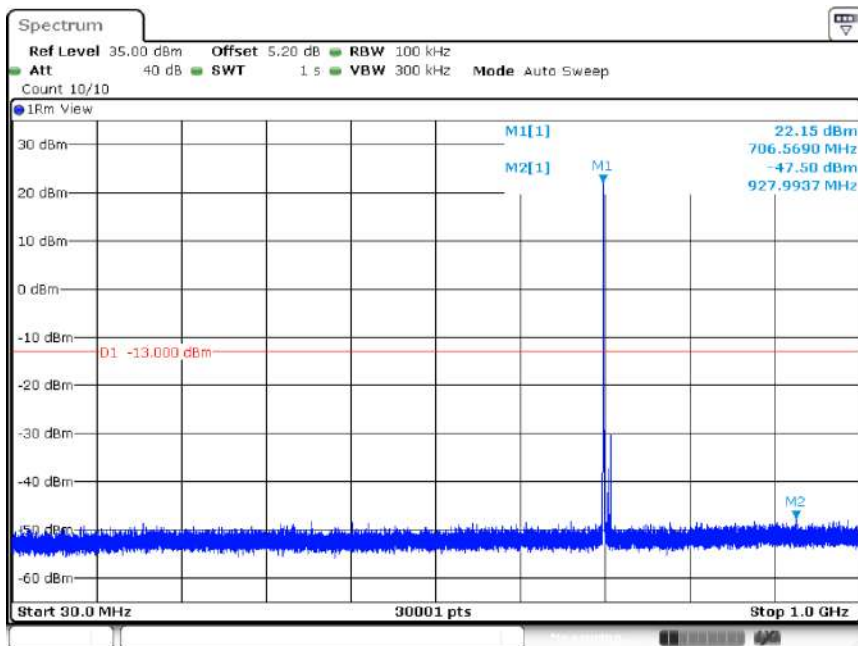
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Band12-10MHz-64QAM-23095-1RB#0-Range2:1000~10000MHz



Date: 22 SEP 2020 19:35:21

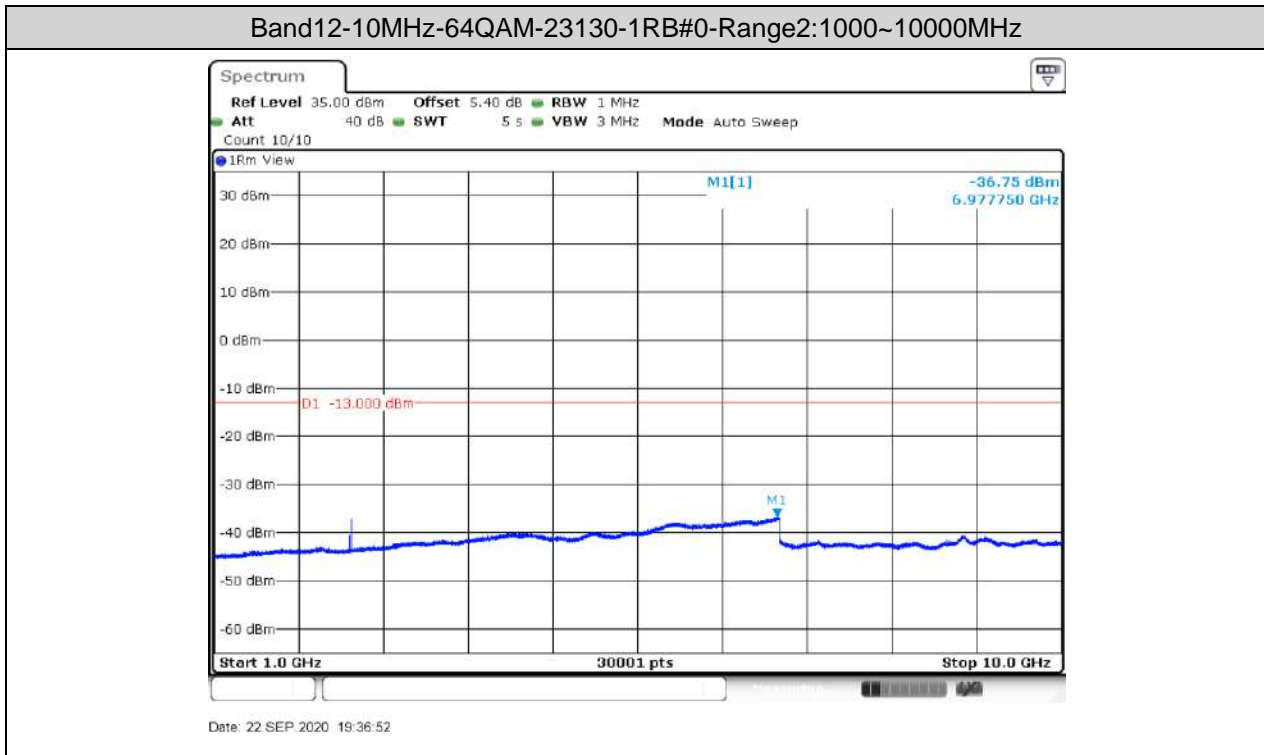
Band12-10MHz-64QAM-23130-1RB#0-Range1:30~1000MHz



Date: 22 SEP 2020 19:35:44



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7 Field Strength of Spurious Radiation

7.1 Test Mode =LTE/TM1 10MHz

7.1.1 Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
64.066667	-78.14	-13.00	65.14	232	267	Vertical
125.013333	-85.52	-13.00	72.52	217	313	Vertical
475.391667	-79.49	-13.00	66.49	161	206	Vertical
1398.500000	-67.13	-13.00	54.13	178	48	Vertical
2711.000000	-57.48	-13.00	44.48	248	218	Vertical
4197.300000	-59.44	-13.00	46.44	239	102	Vertical
62.526667	-75.18	-13.00	62.18	291	352	Horizontal
193.846667	-83.64	-13.00	70.64	171	0	Horizontal
1399.000000	-66.23	-13.00	53.23	261	214	Horizontal
2798.500000	-56.48	-13.00	43.48	221	225	Horizontal
4197.300000	-56.59	-13.00	43.59	222	240	Horizontal
7231.012500	-63.20	-13.00	50.20	281	347	Horizontal

7.1.2 Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
64.720000	-77.80	-13.00	64.80	177	280	Vertical
124.966667	-85.46	-13.00	72.46	242	39	Vertical
352.466667	-84.81	-13.00	71.81	171	0	Vertical
1464.500000	-66.21	-13.00	53.21	199	38	Vertical
2109.500000	-60.40	-13.00	47.40	166	134	Vertical
4218.262500	-59.14	-13.00	46.14	265	81	Vertical
63.320000	-75.84	-13.00	62.84	187	20	Horizontal
194.173333	-84.37	-13.00	71.37	154	1	Horizontal
476.995833	-70.07	-13.00	57.07	214	153	Horizontal
1443.000000	-66.28	-13.00	53.28	160	332	Horizontal
2812.500000	-56.33	-13.00	43.33	269	227	Horizontal
4218.262500	-56.20	-13.00	43.20	254	218	Horizontal



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7.1.3 Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
65.653333	-78.48	-13.00	65.48	220	298	Vertical
124.966667	-85.72	-13.00	72.72	187	242	Vertical
483.229167	-79.06	-13.00	66.06	249	155	Vertical
1476.500000	-66.32	-13.00	53.32	242	82	Vertical
2800.500000	-57.52	-13.00	44.52	240	122	Vertical
4239.225000	-58.09	-13.00	45.09	273	115	Vertical
62.480000	-75.57	-13.00	62.57	275	160	Horizontal
209.853333	-73.59	-13.00	60.59	262	11	Horizontal
1475.000000	-65.77	-13.00	52.77	200	349	Horizontal
2800.500000	-56.90	-13.00	43.90	231	286	Horizontal
4239.225000	-54.64	-13.00	41.64	208	247	Horizontal
7063.312500	-63.02	-13.00	50.02	184	163	Horizontal

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		Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
					Voltage [Vdc]	Temperature (°C)				
Band12	10MHz	QPSK	23060	50RB#0	VL	NT	0.70	0.000994	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VN	NT	-0.70	-0.000985	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VH	NT	-1.20	-0.001705	±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	-6.60	-0.009329	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VH	NT	-1.80	-0.002544	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VL	NT	-1.90	-0.002672	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VN	NT	-0.70	-0.000985	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VH	NT	-2.40	-0.003376	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VL	NT	3.20	0.004545	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VN	NT	2.10	0.002983	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VH	NT	4.90	0.006960	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VL	NT	-1.00	-0.001413	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VN	NT	-0.50	-0.000707	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VH	NT	-5.40	-0.007633	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VL	NT	-3.40	-0.004782	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VN	NT	2.30	0.003235	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VH	NT	-0.20	-0.000281	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	VL	NT	7.30	0.010369	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	VN	NT	2.30	0.003235	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	VH	NT	-1.80	-0.002557	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	VL	NT	-0.80	-0.001131	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	VN	NT	-2.70	-0.003816	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	VH	NT	-2.90	-0.004099	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	VL	NT	-5.30	-0.007454	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	VN	NT	2.10	0.002954	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	VH	NT	-3.70	-0.005204	±2.5	PASS



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8.2 Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Temperature		Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
					Voltage [Vdc]	Temperature (°C)				
Band12	10MHz	QPSK	23060	50RB#0	NV	-30	0.50	0.000710	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-20	4.70	0.006676	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-10	3.50	0.004972	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	0	2.00	0.002841	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	10	0.60	0.000852	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	20	-1.20	-0.001705	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	30	-2.50	-0.003551	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	40	5.00	0.007102	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	50	2.60	0.003693	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-30	-3.40	-0.004806	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-20	-5.20	-0.007350	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-10	-4.10	-0.005795	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	0	1.30	0.001837	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	10	0.80	0.001131	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	20	0.30	0.000424	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	30	-1.00	-0.001413	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	40	-1.40	-0.001979	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	50	-1.30	-0.001837	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-30	-2.70	-0.003797	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-20	-2.70	-0.003797	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-10	-3.00	-0.004219	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	0	-2.70	-0.003797	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	10	-2.40	-0.003376	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	20	-1.70	-0.002391	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	30	-0.80	-0.001125	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	40	-1.00	-0.001406	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	50	-0.40	-0.000563	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-30	4.90	0.006960	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-20	-3.40	-0.004830	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-10	1.70	0.002415	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	0	6.10	0.008665	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	10	6.20	0.008807	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	20	6.20	0.008807	±2.5	PASS



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Band12	10MHz	16QAM	23060	50RB#0	NV	30	3.40	0.004830	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	40	5.20	0.007386	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	50	5.50	0.007813	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-30	-3.40	-0.004806	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-20	-2.00	-0.002827	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-10	0.00	0.000000	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	0	0.90	0.001272	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	10	-7.10	-0.010035	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	20	-5.40	-0.007633	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	30	-4.20	-0.005936	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	40	-2.90	-0.004099	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	50	-1.10	-0.001555	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	-30	2.60	0.003657	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	-20	-2.30	-0.003235	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	-10	-1.70	-0.002391	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	0	0.70	0.000985	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	10	2.80	0.003938	±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	-2.60	-0.003657	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	40	-0.40	-0.000563	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	50	1.40	0.001969	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	-30	4.40	0.006250	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	-20	5.00	0.007102	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	-10	4.20	0.005966	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	0	-0.90	-0.001278	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	10	1.30	0.001847	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	20	4.00	0.005682	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	30	-2.40	-0.003409	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	40	0.20	0.000284	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	50	2.50	0.003551	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	-30	-6.00	-0.008481	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	-20	-4.30	-0.006078	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	-10	-2.10	-0.002968	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	0	-0.10	-0.000141	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	10	-7.30	-0.010318	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	20	-6.00	-0.008481	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	30	-4.30	-0.006078	±2.5	PASS



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Band12	10MHz	64QAM	23095	50RB#0	NV	40	-2.40	-0.003392	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	50	-1.30	-0.001837	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	-30	-2.90	-0.004079	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	-20	-1.90	-0.002672	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	-10	-0.40	-0.000563	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	0	1.10	0.001547	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	10	2.40	0.003376	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	20	3.10	0.004360	±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	4.90	0.006892	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	50	-3.20	-0.004501	±2.5	PASS

The End



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