



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#2	23.8	13.53	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	23.92	13.65	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	23.75	13.48	34.77	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	23.61	13.34	34.77	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	23.64	13.37	34.77	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	23.65	13.38	34.77	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.84	12.57	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	23.73	13.46	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	23.86	13.59	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.74	13.47	34.77	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	23.68	13.41	34.77	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	23.62	13.35	34.77	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	23.64	13.37	34.77	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.83	12.56	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	23.73	13.46	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.94	13.67	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	23.74	13.47	34.77	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	23.61	13.34	34.77	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	23.6	13.33	34.77	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	23.66	13.39	34.77	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.84	12.57	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#0	21.75	11.48	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#2	21.41	11.14	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#5	21.66	11.39	34.77	PASS
Band12	1.4MHz	64QAM	23017	3RB#0	21.6	11.33	34.77	PASS
Band12	1.4MHz	64QAM	23017	3RB#1	21.59	11.32	34.77	PASS
Band12	1.4MHz	64QAM	23017	3RB#3	21.56	11.29	34.77	PASS



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Band12	1.4MHz	64QAM	23017	6RB#0	20.76	10.49	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#5	21.72	11.45	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#0	21.54	11.27	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#2	21.45	11.18	34.77	PASS
Band12	1.4MHz	64QAM	23095	3RB#1	21.62	11.35	34.77	PASS
Band12	1.4MHz	64QAM	23095	3RB#3	21.44	11.17	34.77	PASS
Band12	1.4MHz	64QAM	23095	3RB#0	21.31	11.04	34.77	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	20.5	10.23	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#0	21.63	11.36	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#2	21.62	11.35	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#5	21.46	11.19	34.77	PASS
Band12	1.4MHz	64QAM	23173	3RB#0	21.49	11.22	34.77	PASS
Band12	1.4MHz	64QAM	23173	3RB#1	21.47	11.2	34.77	PASS
Band12	1.4MHz	64QAM	23173	3RB#3	21.31	11.04	34.77	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	20.53	10.26	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	22.97	12.7	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	23.1	12.83	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	23.05	12.78	34.77	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	22.67	12.4	34.77	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	22.65	12.38	34.77	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	22.68	12.41	34.77	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	22.08	11.81	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	22.83	12.56	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	23.23	12.96	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	22.9	12.63	34.77	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	22.57	12.3	34.77	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	22.61	12.34	34.77	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	22.68	12.41	34.77	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	22.05	11.78	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	22.91	12.64	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	23.4	13.13	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	22.82	12.55	34.77	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	22.65	12.38	34.77	PASS



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Band12	1.4MHz	16QAM	23173	3RB#3	22.61	12.34	34.77	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	22.63	12.36	34.77	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	22.01	11.74	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.74	13.47	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#8	23.8	13.53	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#0	23.88	13.61	34.77	PASS
Band12	3MHz	QPSK	23025	8RB#7	22.81	12.54	34.77	PASS
Band12	3MHz	QPSK	23025	8RB#0	22.92	12.65	34.77	PASS
Band12	3MHz	QPSK	23025	8RB#4	22.77	12.5	34.77	PASS
Band12	3MHz	QPSK	23025	15RB#0	22.86	12.59	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#0	23.74	13.47	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#14	24.1	13.83	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#8	23.93	13.66	34.77	PASS
Band12	3MHz	QPSK	23095	8RB#0	22.78	12.51	34.77	PASS
Band12	3MHz	QPSK	23095	8RB#7	22.85	12.58	34.77	PASS
Band12	3MHz	QPSK	23095	8RB#4	22.87	12.6	34.77	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.89	12.62	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#14	23.84	13.57	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#8	23.88	13.61	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.68	13.41	34.77	PASS
Band12	3MHz	QPSK	23165	8RB#7	22.81	12.54	34.77	PASS
Band12	3MHz	QPSK	23165	8RB#4	22.81	12.54	34.77	PASS
Band12	3MHz	QPSK	23165	8RB#0	22.74	12.47	34.77	PASS
Band12	3MHz	QPSK	23165	15RB#0	22.76	12.49	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#0	21.72	11.45	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#8	21.44	11.17	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#14	21.67	11.4	34.77	PASS
Band12	3MHz	64QAM	23025	8RB#4	20.73	10.46	34.77	PASS
Band12	3MHz	64QAM	23025	8RB#7	20.85	10.58	34.77	PASS
Band12	3MHz	64QAM	23025	8RB#0	20.51	10.24	34.77	PASS
Band12	3MHz	64QAM	23025	15RB#0	20.75	10.48	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#14	21.74	11.47	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#0	21.5	11.23	34.77	PASS



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Band12	3MHz	64QAM	23095	1RB#8	21.47	11.2	34.77	PASS
Band12	3MHz	64QAM	23095	8RB#0	20.7	10.43	34.77	PASS
Band12	3MHz	64QAM	23095	8RB#4	20.78	10.51	34.77	PASS
Band12	3MHz	64QAM	23095	8RB#7	20.55	10.28	34.77	PASS
Band12	3MHz	64QAM	23095	15RB#0	20.51	10.24	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#8	21.62	11.35	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#0	21.62	11.35	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#14	21.45	11.18	34.77	PASS
Band12	3MHz	64QAM	23165	8RB#0	20.88	10.61	34.77	PASS
Band12	3MHz	64QAM	23165	8RB#4	20.83	10.56	34.77	PASS
Band12	3MHz	64QAM	23165	8RB#7	20.74	10.47	34.77	PASS
Band12	3MHz	64QAM	23165	15RB#0	20.53	10.26	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#0	23.23	12.96	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#8	23.32	13.05	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#14	22.9	12.63	34.77	PASS
Band12	3MHz	16QAM	23025	8RB#4	22.1	11.83	34.77	PASS
Band12	3MHz	16QAM	23025	8RB#0	21.93	11.66	34.77	PASS
Band12	3MHz	16QAM	23025	8RB#7	21.84	11.57	34.77	PASS
Band12	3MHz	16QAM	23025	15RB#0	21.9	11.63	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#8	22.89	12.62	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#14	23.09	12.82	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#0	23.07	12.8	34.77	PASS
Band12	3MHz	16QAM	23095	8RB#0	22.05	11.78	34.77	PASS
Band12	3MHz	16QAM	23095	8RB#4	21.83	11.56	34.77	PASS
Band12	3MHz	16QAM	23095	8RB#7	21.8	11.53	34.77	PASS
Band12	3MHz	16QAM	23095	15RB#0	21.81	11.54	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#8	23.18	12.91	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#14	23.09	12.82	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#0	22.95	12.68	34.77	PASS
Band12	3MHz	16QAM	23165	8RB#4	22.04	11.77	34.77	PASS
Band12	3MHz	16QAM	23165	8RB#7	21.87	11.6	34.77	PASS
Band12	3MHz	16QAM	23165	8RB#0	21.87	11.6	34.77	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.83	11.56	34.77	PASS



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Band12	5MHz	QPSK	23035	1RB#12	23.64	13.37	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#24	23.85	13.58	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#0	23.8	13.53	34.77	PASS
Band12	5MHz	QPSK	23035	12RB#6	22.84	12.57	34.77	PASS
Band12	5MHz	QPSK	23035	12RB#13	22.87	12.6	34.77	PASS
Band12	5MHz	QPSK	23035	12RB#0	22.95	12.68	34.77	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.89	12.62	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.73	13.46	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#24	23.74	13.47	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#0	23.61	13.34	34.77	PASS
Band12	5MHz	QPSK	23095	12RB#13	22.85	12.58	34.77	PASS
Band12	5MHz	QPSK	23095	12RB#0	22.87	12.6	34.77	PASS
Band12	5MHz	QPSK	23095	12RB#6	22.79	12.52	34.77	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.9	12.63	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#0	23.61	13.34	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#24	23.74	13.47	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.8	13.53	34.77	PASS
Band12	5MHz	QPSK	23155	12RB#0	22.78	12.51	34.77	PASS
Band12	5MHz	QPSK	23155	12RB#13	22.92	12.65	34.77	PASS
Band12	5MHz	QPSK	23155	12RB#6	22.84	12.57	34.77	PASS
Band12	5MHz	QPSK	23155	25RB#0	22.74	12.47	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#0	21.87	11.6	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#12	21.56	11.29	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#24	21.79	11.52	34.77	PASS
Band12	5MHz	64QAM	23035	12RB#6	20.86	10.59	34.77	PASS
Band12	5MHz	64QAM	23035	12RB#0	20.96	10.69	34.77	PASS
Band12	5MHz	64QAM	23035	12RB#13	20.63	10.36	34.77	PASS
Band12	5MHz	64QAM	23035	25RB#0	20.9	10.63	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#24	21.86	11.59	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#0	21.64	11.37	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#12	21.59	11.32	34.77	PASS
Band12	5MHz	64QAM	23095	12RB#0	20.84	10.57	34.77	PASS
Band12	5MHz	64QAM	23095	12RB#6	20.91	10.64	34.77	PASS



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Band12	5MHz	64QAM	23095	12RB#13	20.7	10.43	34.77	PASS
Band12	5MHz	64QAM	23095	25RB#0	20.63	10.36	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#12	21.77	11.5	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#24	21.76	11.49	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#0	21.58	11.31	34.77	PASS
Band12	5MHz	64QAM	23155	12RB#13	21	10.73	34.77	PASS
Band12	5MHz	64QAM	23155	12RB#0	20.95	10.68	34.77	PASS
Band12	5MHz	64QAM	23155	12RB#6	20.85	10.58	34.77	PASS
Band12	5MHz	64QAM	23155	25RB#0	20.68	10.41	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#0	23.11	12.84	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#12	23.27	13	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#24	22.96	12.69	34.77	PASS
Band12	5MHz	16QAM	23035	12RB#6	22.06	11.79	34.77	PASS
Band12	5MHz	16QAM	23035	12RB#13	21.78	11.51	34.77	PASS
Band12	5MHz	16QAM	23035	12RB#0	21.95	11.68	34.77	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.89	11.62	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#0	23.15	12.88	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.98	12.71	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#24	23.23	12.96	34.77	PASS
Band12	5MHz	16QAM	23095	12RB#6	22.11	11.84	34.77	PASS
Band12	5MHz	16QAM	23095	12RB#0	21.83	11.56	34.77	PASS
Band12	5MHz	16QAM	23095	12RB#13	21.77	11.5	34.77	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.84	11.57	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#0	23.22	12.95	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#24	23.07	12.8	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#12	22.89	12.62	34.77	PASS
Band12	5MHz	16QAM	23155	12RB#13	22.04	11.77	34.77	PASS
Band12	5MHz	16QAM	23155	12RB#6	21.84	11.57	34.77	PASS
Band12	5MHz	16QAM	23155	12RB#0	21.78	11.51	34.77	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.9	11.63	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.72	13.45	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.79	13.52	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.93	13.66	34.77	PASS



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Band12	10MHz	QPSK	23060	25RB#12	22.79	12.52	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#0	22.86	12.59	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#25	22.89	12.62	34.77	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.9	12.63	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.81	13.54	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.87	13.6	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#49	23.9	13.63	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#0	22.86	12.59	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#12	22.84	12.57	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#25	22.93	12.66	34.77	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.85	12.58	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#24	23.84	13.57	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#49	23.74	13.47	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.9	13.63	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#12	22.94	12.67	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#25	22.87	12.6	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#0	22.92	12.65	34.77	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.98	12.71	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#49	21.99	11.72	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#0	21.7	11.43	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#24	21.94	11.67	34.77	PASS
Band12	10MHz	64QAM	23060	25RB#0	20.99	10.72	34.77	PASS
Band12	10MHz	64QAM	23060	25RB#12	21.09	10.82	34.77	PASS
Band12	10MHz	64QAM	23060	25RB#25	20.76	10.49	34.77	PASS
Band12	10MHz	64QAM	23060	50RB#0	21	10.73	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#0	22.01	11.74	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#24	21.77	11.5	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#49	21.71	11.44	34.77	PASS
Band12	10MHz	64QAM	23095	25RB#12	20.94	10.67	34.77	PASS
Band12	10MHz	64QAM	23095	25RB#25	21.06	10.79	34.77	PASS
Band12	10MHz	64QAM	23095	25RB#0	20.82	10.55	34.77	PASS
Band12	10MHz	64QAM	23095	50RB#0	20.77	10.5	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#0	21.92	11.65	34.77	PASS



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Band12	10MHz	64QAM	23130	1RB#24	21.89	11.62	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#49	21.73	11.46	34.77	PASS
Band12	10MHz	64QAM	23130	25RB#0	21.1	10.83	34.77	PASS
Band12	10MHz	64QAM	23130	25RB#12	21.08	10.81	34.77	PASS
Band12	10MHz	64QAM	23130	25RB#25	20.98	10.71	34.77	PASS
Band12	10MHz	64QAM	23130	50RB#0	20.81	10.54	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#0	22.99	12.72	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.95	12.68	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#49	23.1	12.83	34.77	PASS
Band12	10MHz	16QAM	23060	25RB#12	22.09	11.82	34.77	PASS
Band12	10MHz	16QAM	23060	25RB#25	21.84	11.57	34.77	PASS
Band12	10MHz	16QAM	23060	25RB#0	22.05	11.78	34.77	PASS
Band12	10MHz	16QAM	23060	50RB#0	21.92	11.65	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#0	22.91	12.64	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#24	22.66	12.39	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#49	23.02	12.75	34.77	PASS
Band12	10MHz	16QAM	23095	25RB#25	22.1	11.83	34.77	PASS
Band12	10MHz	16QAM	23095	25RB#0	21.9	11.63	34.77	PASS
Band12	10MHz	16QAM	23095	25RB#12	21.85	11.58	34.77	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.89	11.62	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#24	23.17	12.9	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#49	23.37	13.1	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#0	23.07	12.8	34.77	PASS
Band12	10MHz	16QAM	23130	25RB#0	22.14	11.87	34.77	PASS
Band12	10MHz	16QAM	23130	25RB#12	21.99	11.72	34.77	PASS
Band12	10MHz	16QAM	23130	25RB#25	21.83	11.56	34.77	PASS
Band12	10MHz	16QAM	23130	50RB#0	22.04	11.77	34.77	PASS

Remark:

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

ERP [dBm] = Conducted Power [dBm] + Gain [dBd]

EIRP [dBm] = Conducted Power [dBm] + Gain [dBi]



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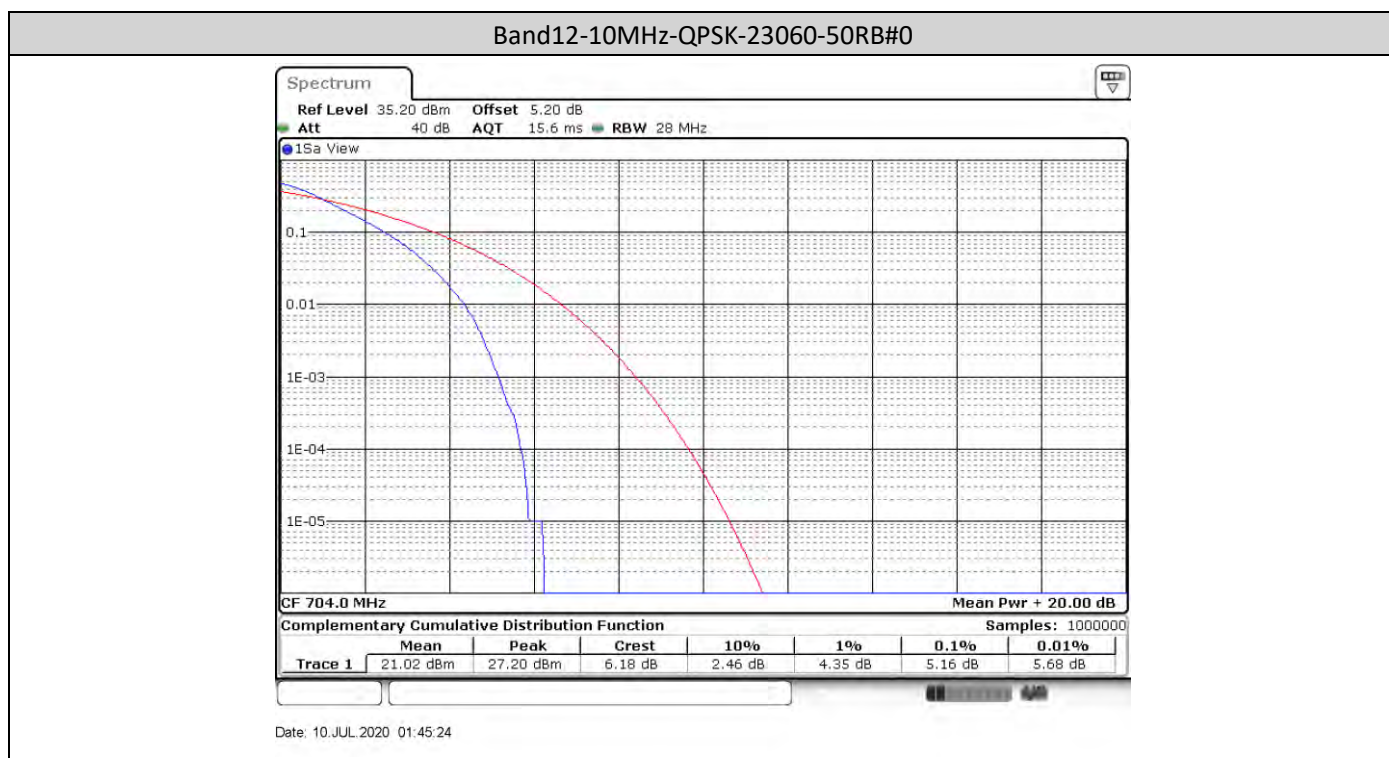


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	10MHz	QPSK	23060	50RB#0	5.16	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.19	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.10	13	PASS
Band12	10MHz	64QAM	23060	50RB#0	6.38	13	PASS
Band12	10MHz	64QAM	23095	50RB#0	6.52	13	PASS
Band12	10MHz	64QAM	23130	50RB#0	6.61	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	5.97	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	5.91	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	5.88	13	PASS

2.2. Test Plots

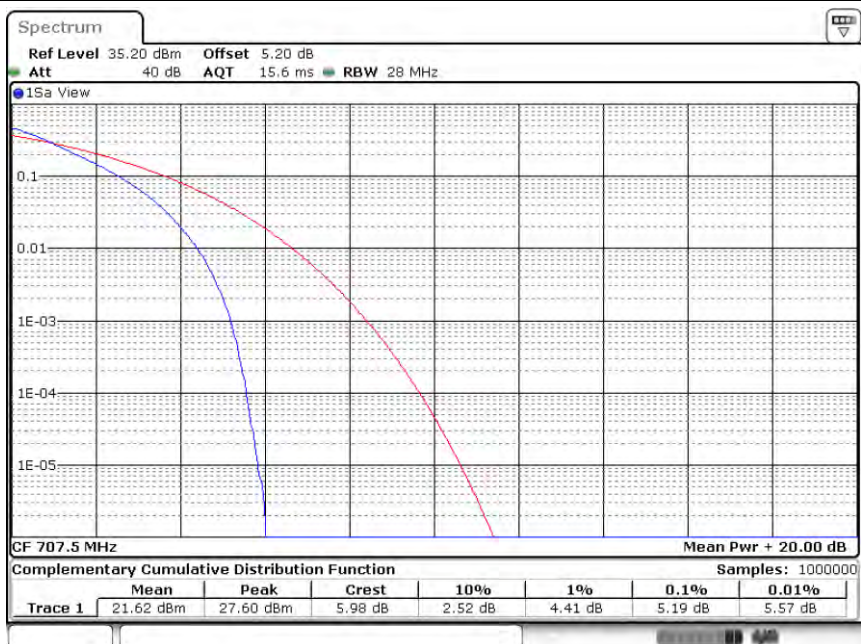


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Band12-10MHz-QPSK-23095-50RB#0



Date: 10.JUL.2020 01:45:46

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



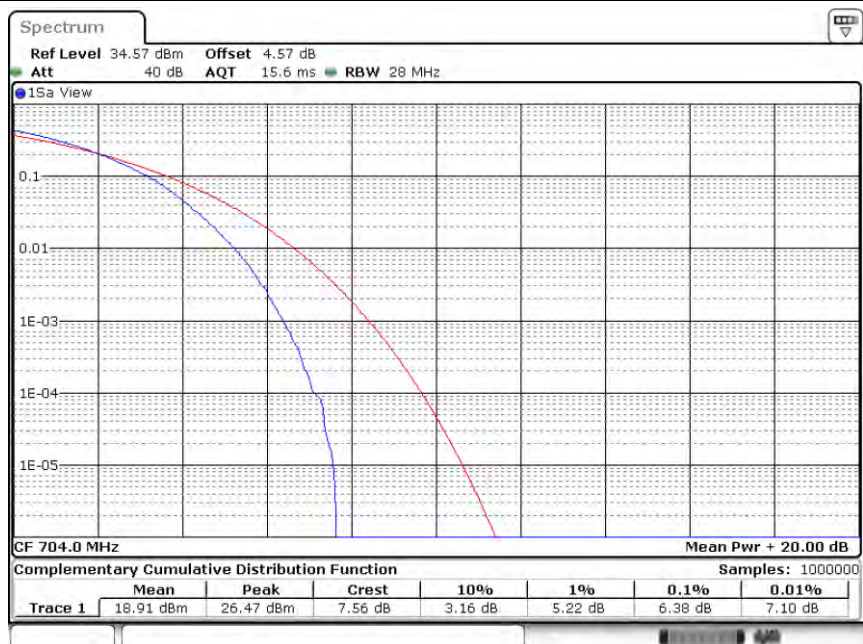
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Band12-10MHz-64QAM-23060-50RB#0



Date: 14 JUL 2020 08:37:19

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



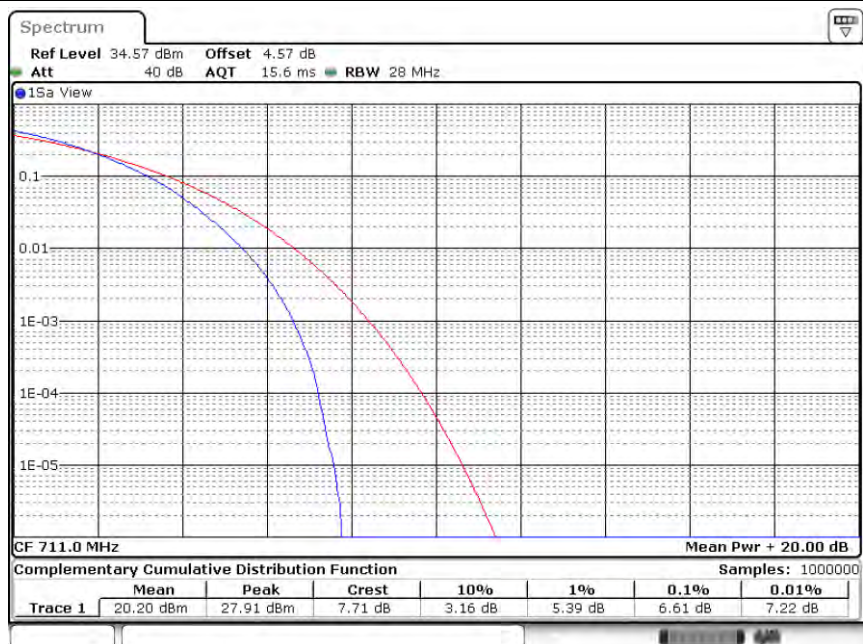
Date: 14 JUL 2020 08:37:30



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



Date: 14 JUL 2020 08:37:41

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



Date: 10 JUL 2020 01:45:35

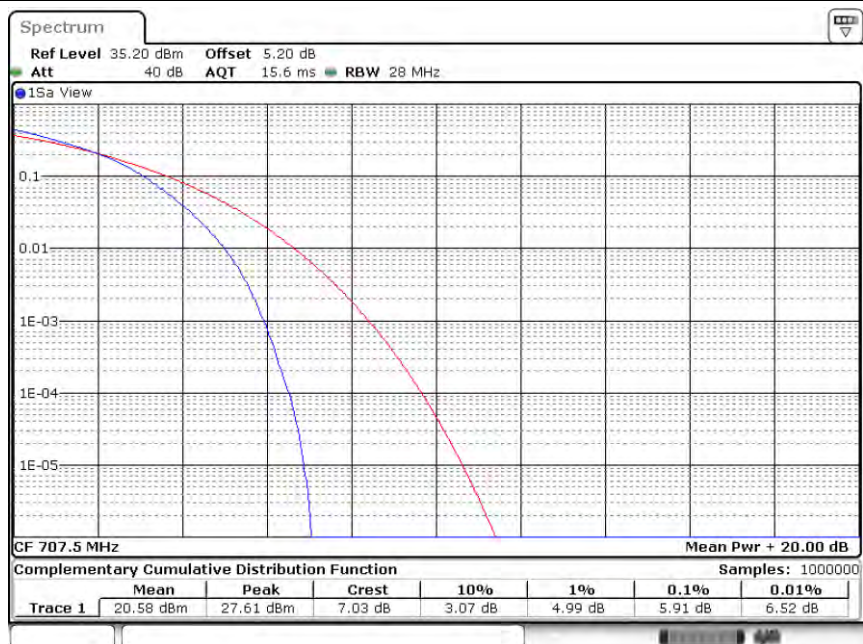


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Band12-10MHz-16QAM-23095-50RB#0



Date: 10.JUL.2020 01:45:58

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



Date: 10.JUL.2020 01:46:20



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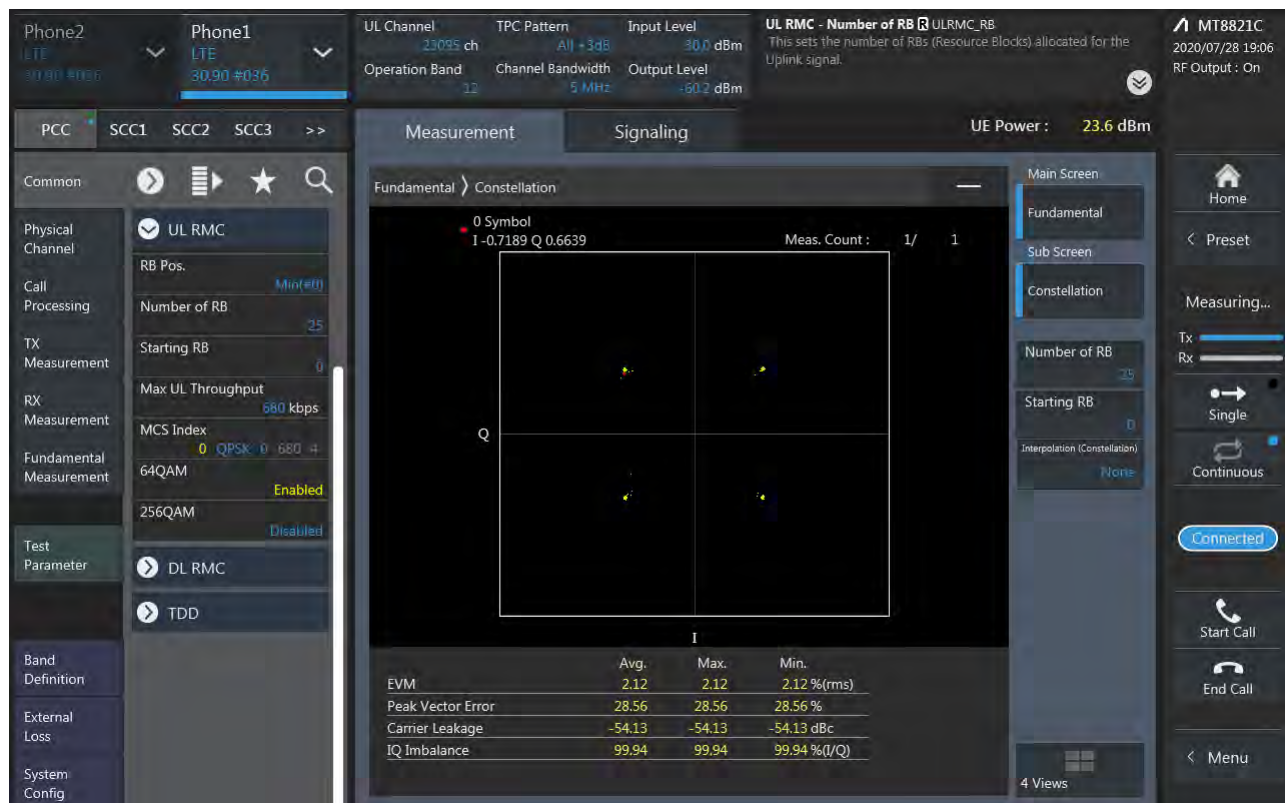
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3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 10MHz

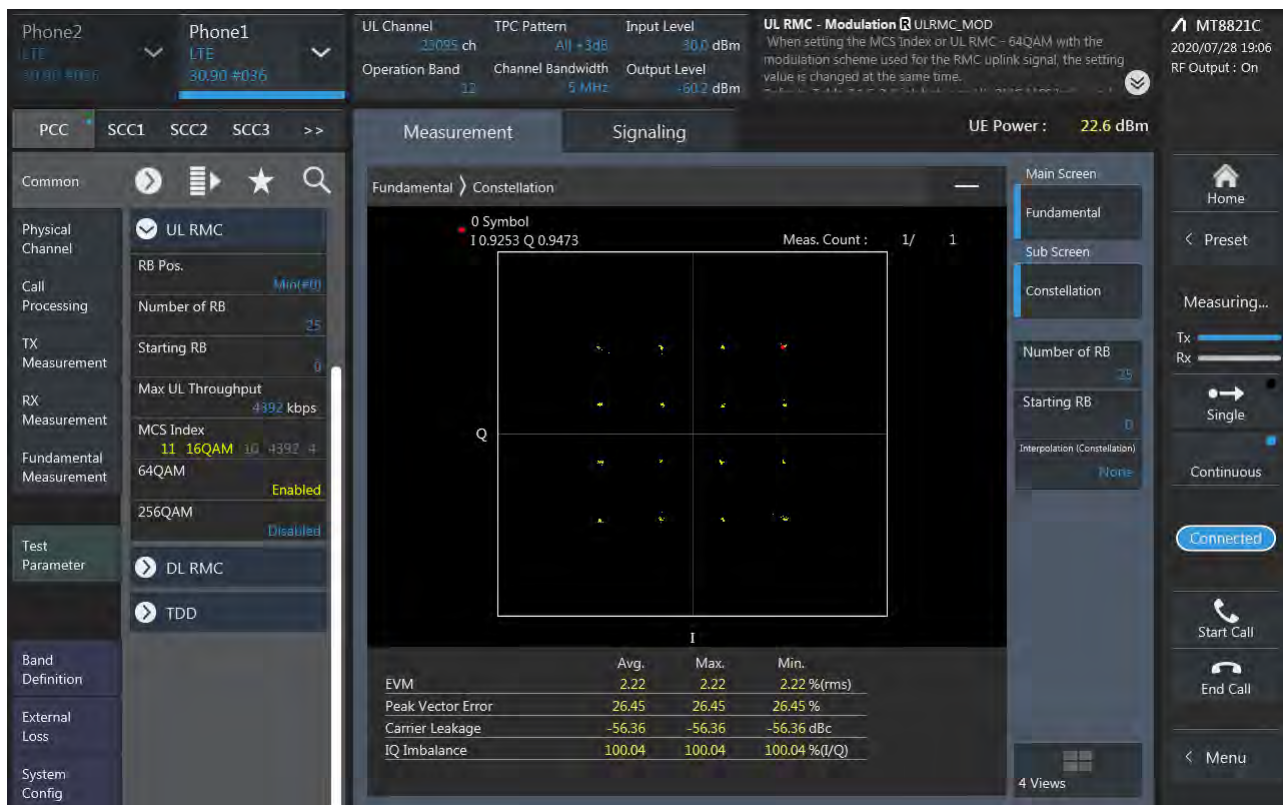
3.1.1. Test Channel = MCH





3.2. Test Mode = LTE /TM2 10MHz

3.2.1. Test Channel = MCH



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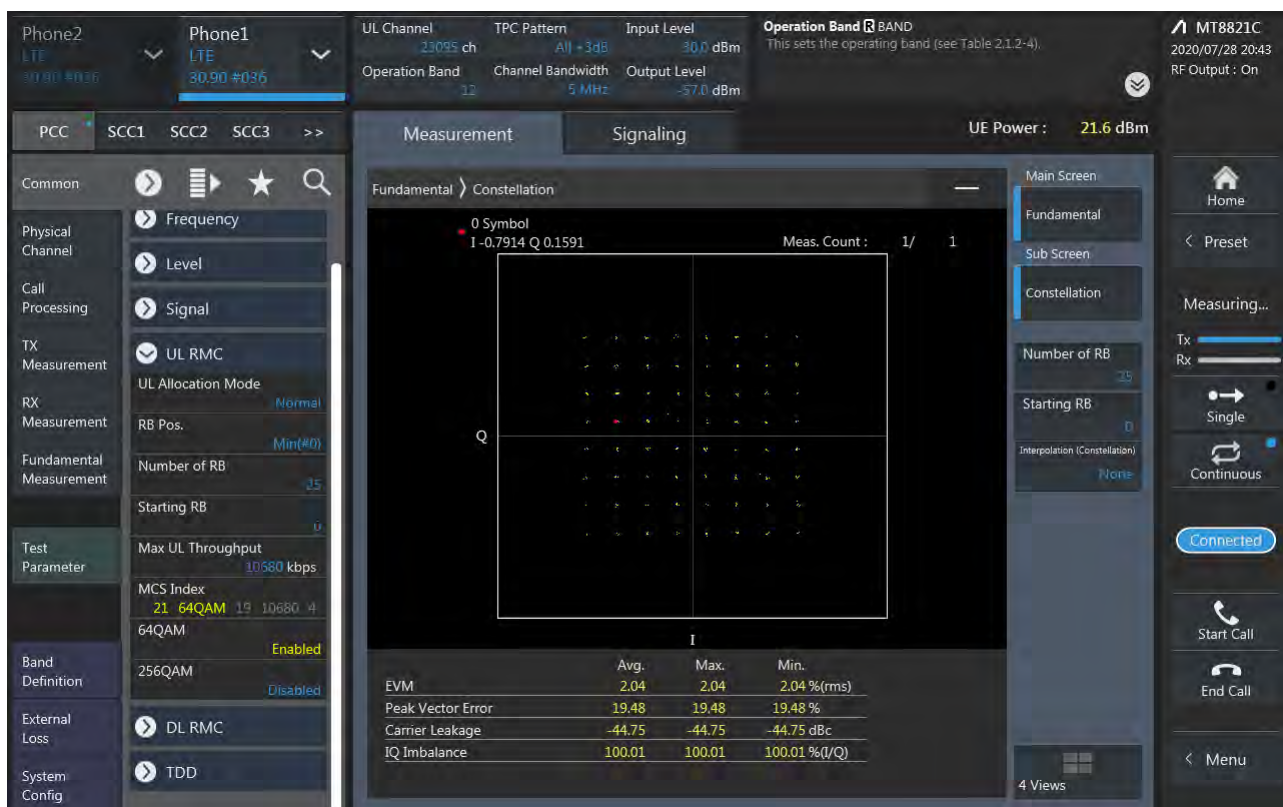
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3.3. Test Mode = LTE /TM3 10MHz

3.3.1. Test Channel = MCH





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	0.911	1.083	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.088	1.290	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.091	1.284	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	1.094	1.281	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	1.088	1.293	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	1.094	1.284	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.091	1.293	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.094	1.290	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.088	1.278	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.697	2.982	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.691	3.024	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.679	2.928	PASS
Band12	3MHz	64QAM	23025	15RB#0	2.685	2.910	PASS
Band12	3MHz	64QAM	23095	15RB#0	2.679	2.910	PASS
Band12	3MHz	64QAM	23165	15RB#0	2.679	2.910	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.673	2.898	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.679	2.910	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.673	2.898	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.466	5.010	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.486	5.050	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.466	4.990	PASS
Band12	5MHz	64QAM	23035	25RB#0	4.486	5.020	PASS
Band12	5MHz	64QAM	23095	25RB#0	4.476	5.010	PASS
Band12	5MHz	64QAM	23155	25RB#0	4.486	5.000	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.486	5.030	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.496	5.250	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.486	5.050	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.891	9.700	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.971	9.820	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.951	9.820	PASS
Band12	10MHz	64QAM	23060	50RB#0	8.911	9.640	PASS



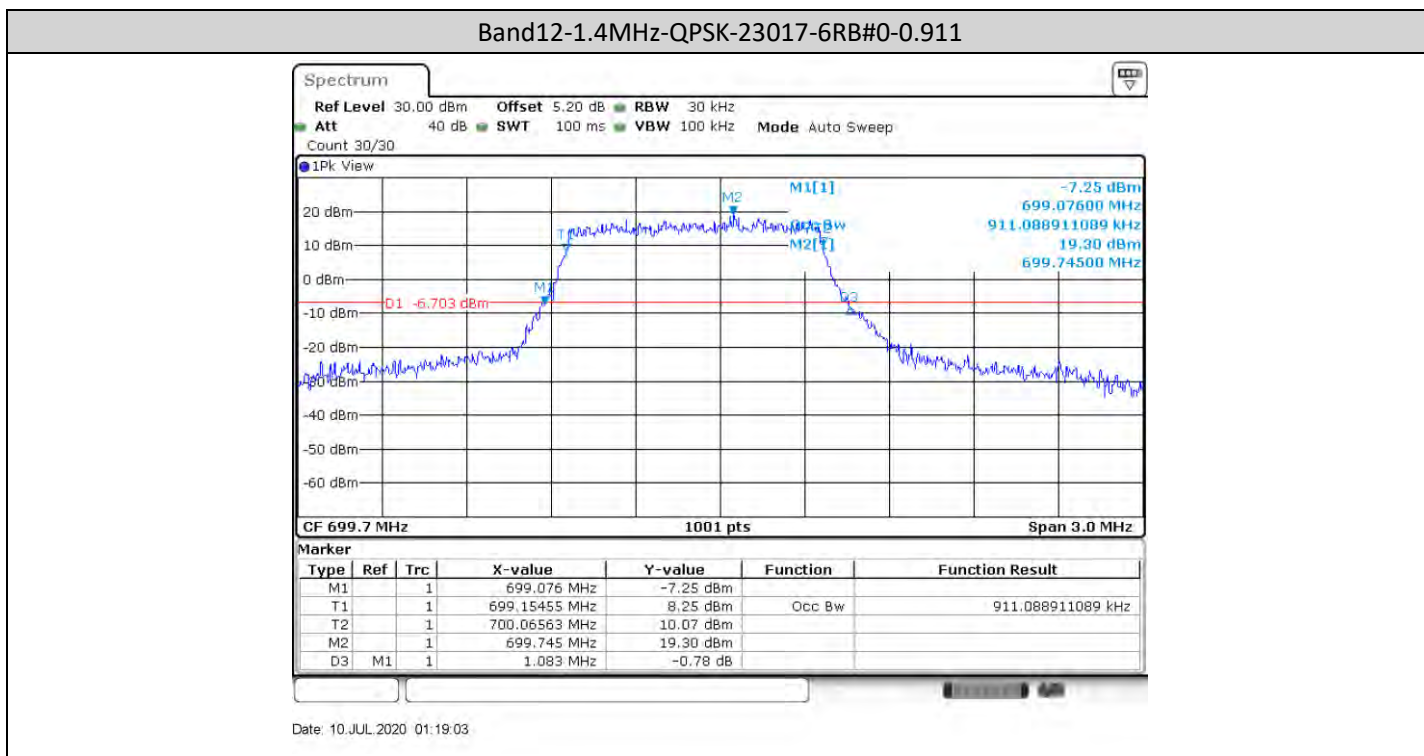
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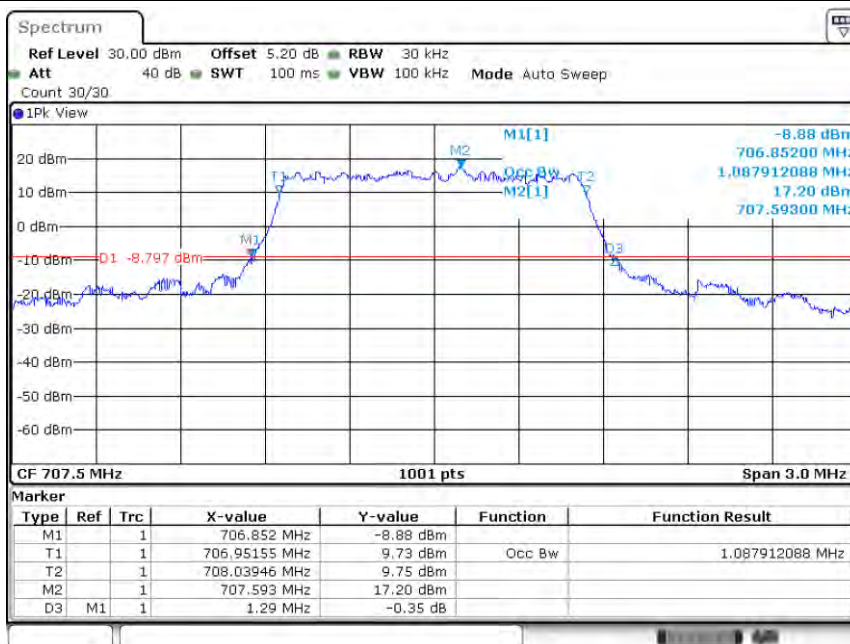
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Band12	10MHz	64QAM	23130	50RB#0	8.991	10.060	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.891	9.740	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.951	9.960	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.951	9.840	PASS

4.2. Test Plots



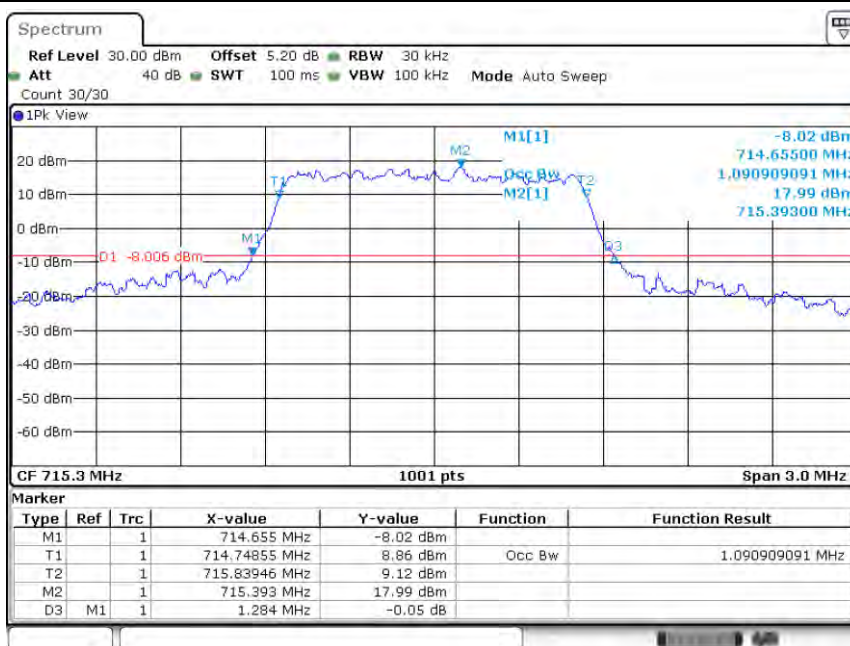


Band12-1.4MHz-QPSK-23095-6RB#0-1.088



Date: 10.JUL.2020 01:19:28

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



Date: 10.JUL.2020 01:19:54

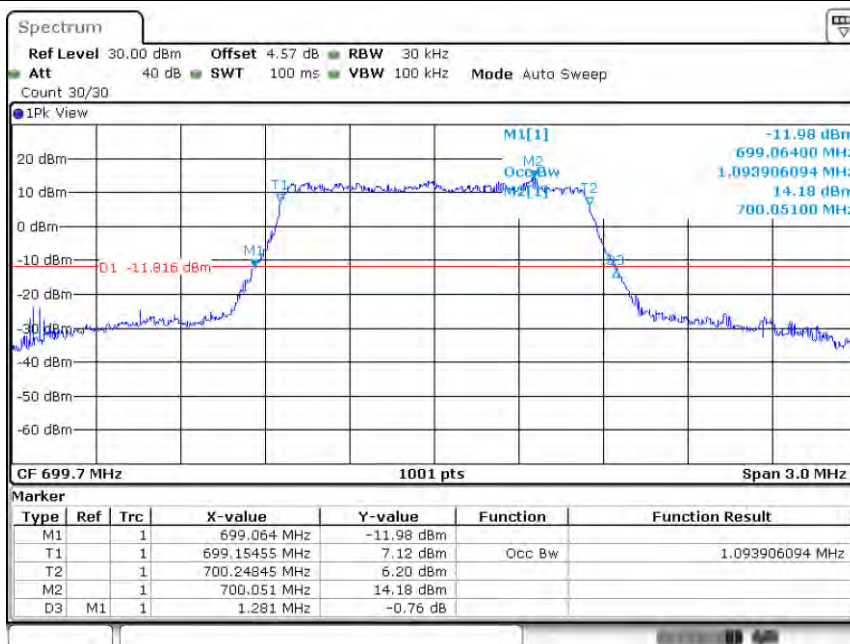


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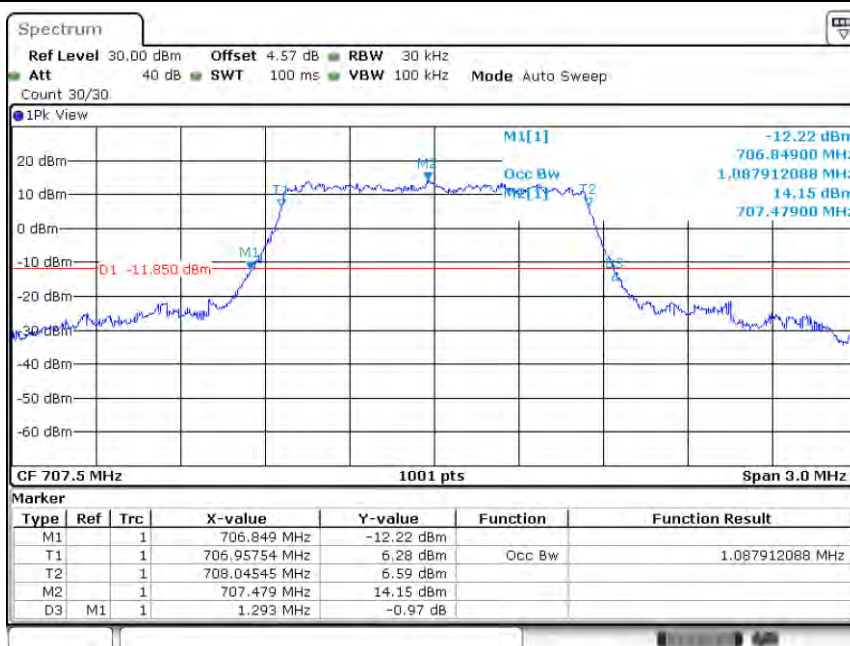


Band12-1.4MHz-64QAM-23017-6RB#0-1.094



Date: 14 JUL 2020 08:27:48

Band12-1.4MHz-64QAM-23095-6RB#0-1.088

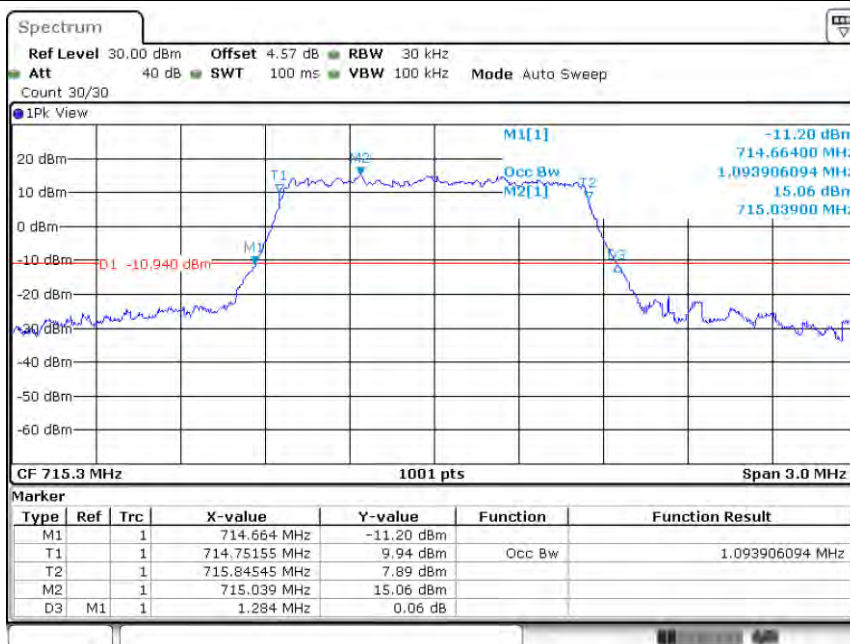


Date: 14 JUL 2020 08:28:01



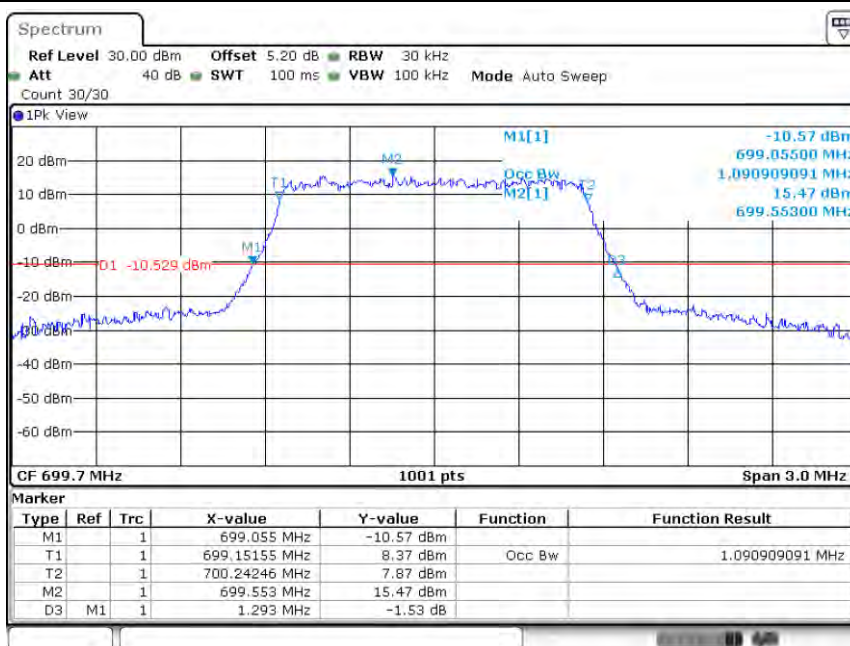


Band12-1.4MHz-64QAM-23173-6RB#0-1.094



Date: 14 JUL 2020 08:28:14

Band12-1.4MHz-16QAM-23017-6RB#0-1.091



Date: 10 JUL 2020 01:19:16



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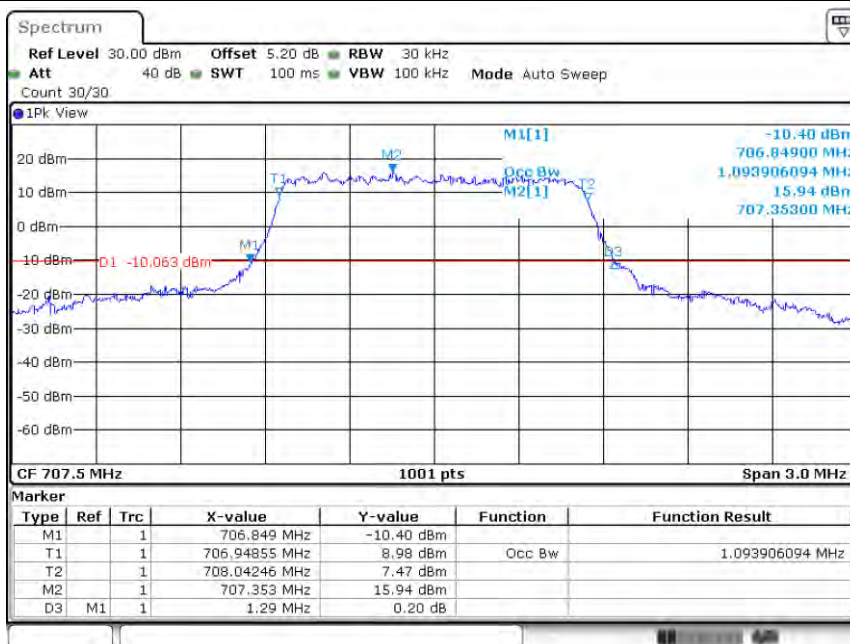
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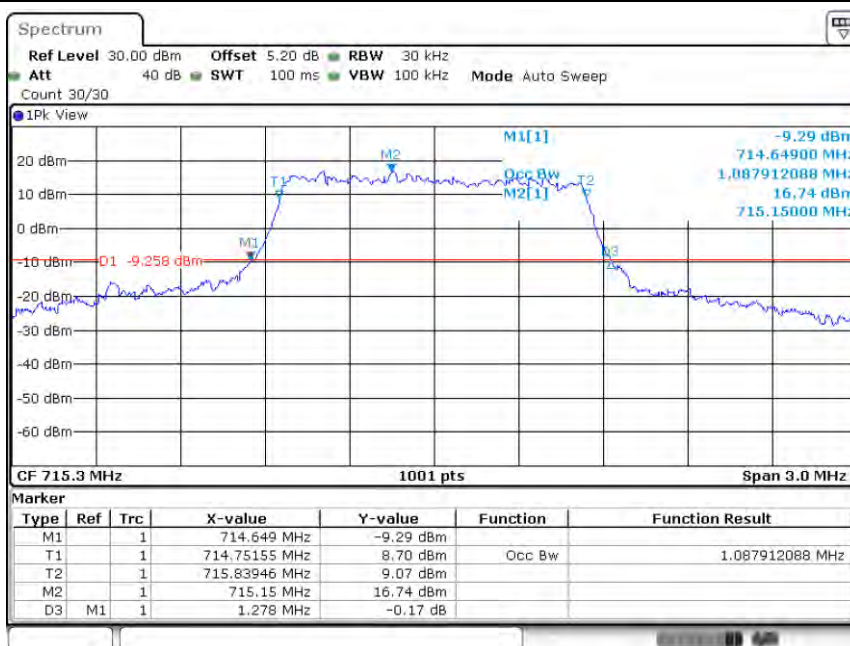


Band12-1.4MHz-16QAM-23095-6RB#0-1.094



Date: 10.JUL.2020 01:19:41

Band12-1.4MHz-16QAM-23173-6RB#0-1.088



Date: 10.JUL.2020 01:20:06



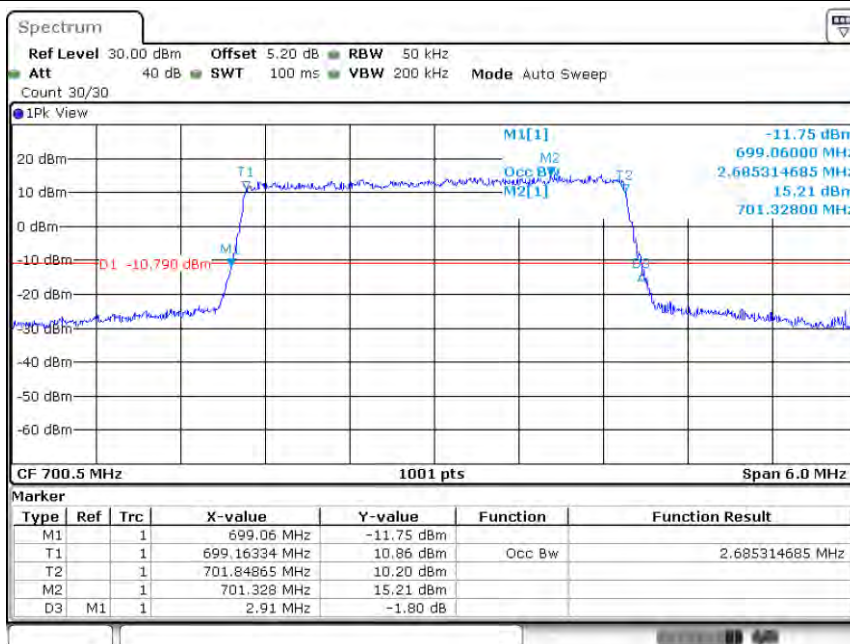
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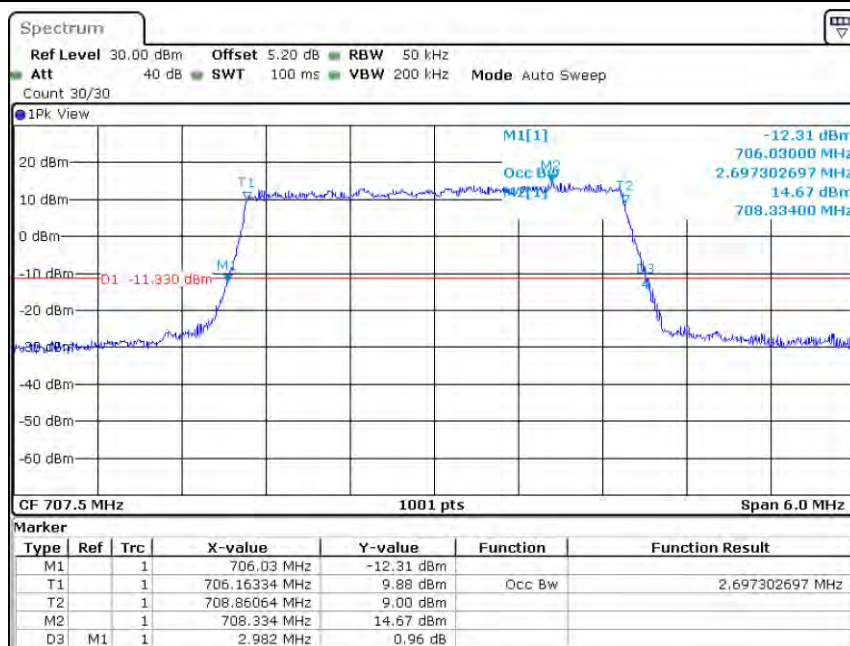


Band12-3MHz-QPSK-23025-15RB#0-2.685



Date: 10.JUL.2020 01:20:24

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



Date: 16.JUL.2020 01:31:15

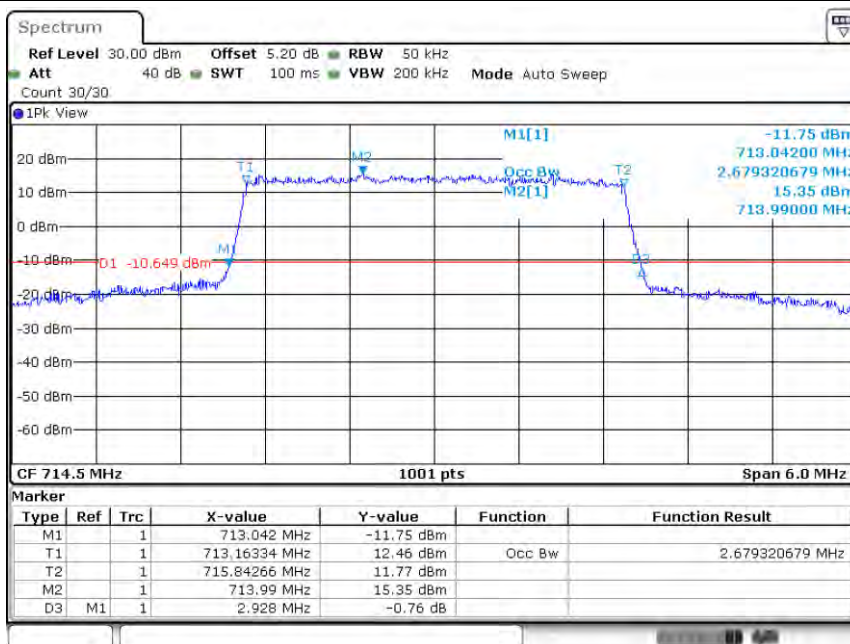


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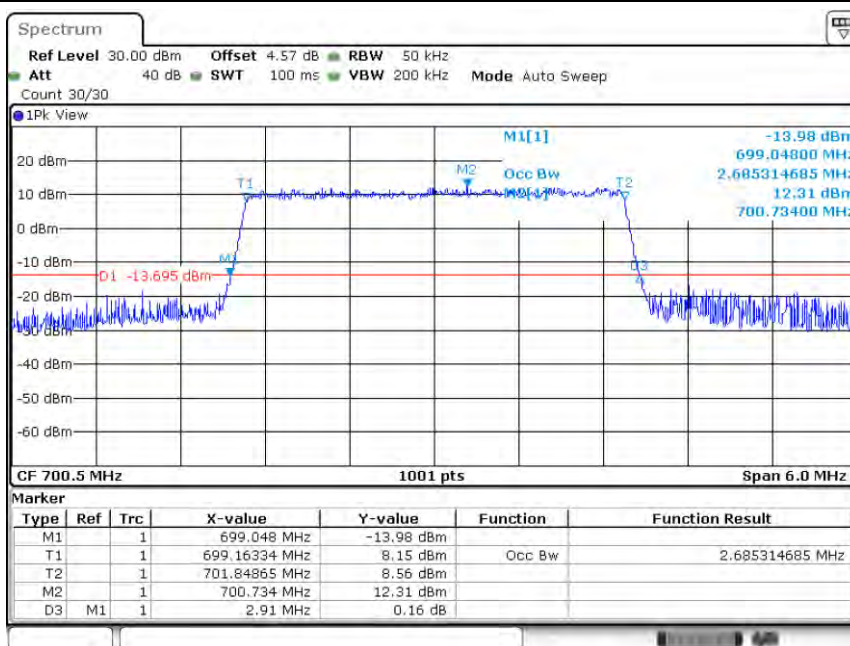


Band12-3MHz-QPSK-23165-15RB#0-2.679



Date: 10.JUL.2020 01:21:15

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



Date: 14.JUL.2020 08:28:34



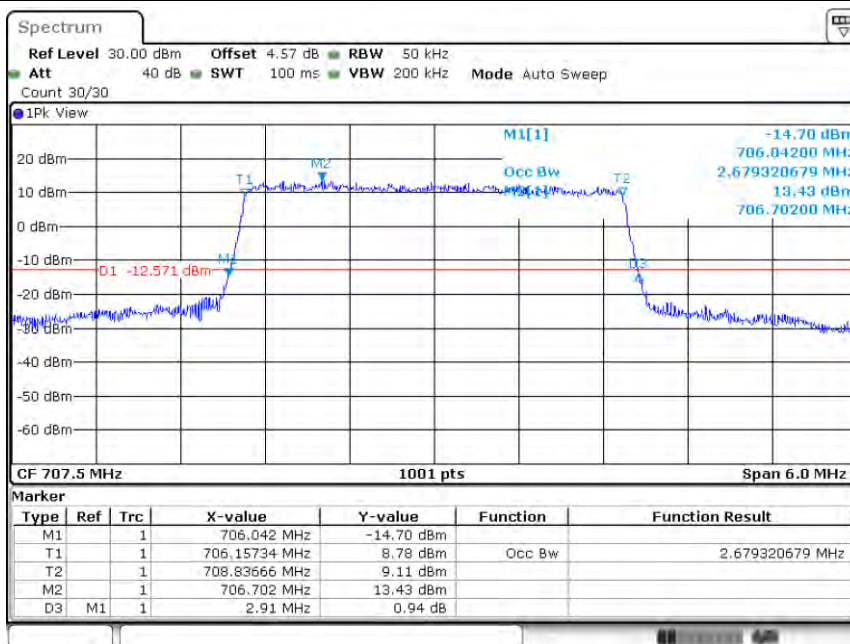
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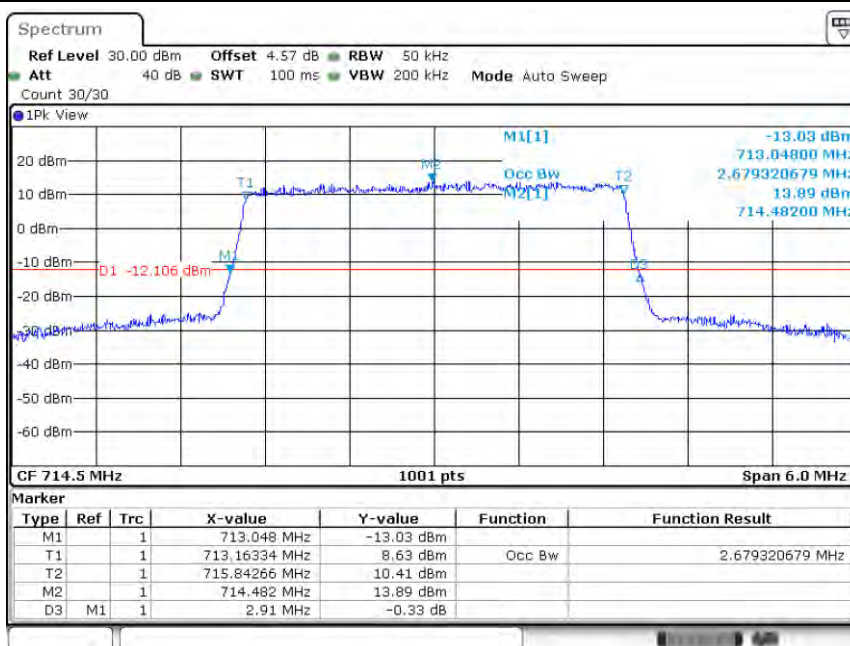


Band12-3MHz-64QAM-23095-15RB#0-2.679



Date: 14 JUL 2020 08:28:47

Band12-3MHz-64QAM-23165-15RB#0-2.679



Date: 14 JUL 2020 08:29:00

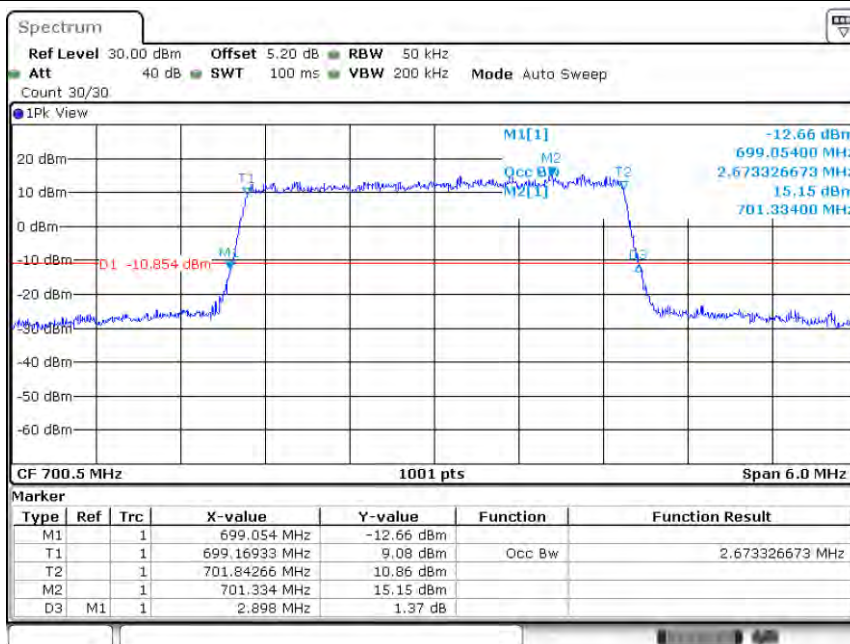


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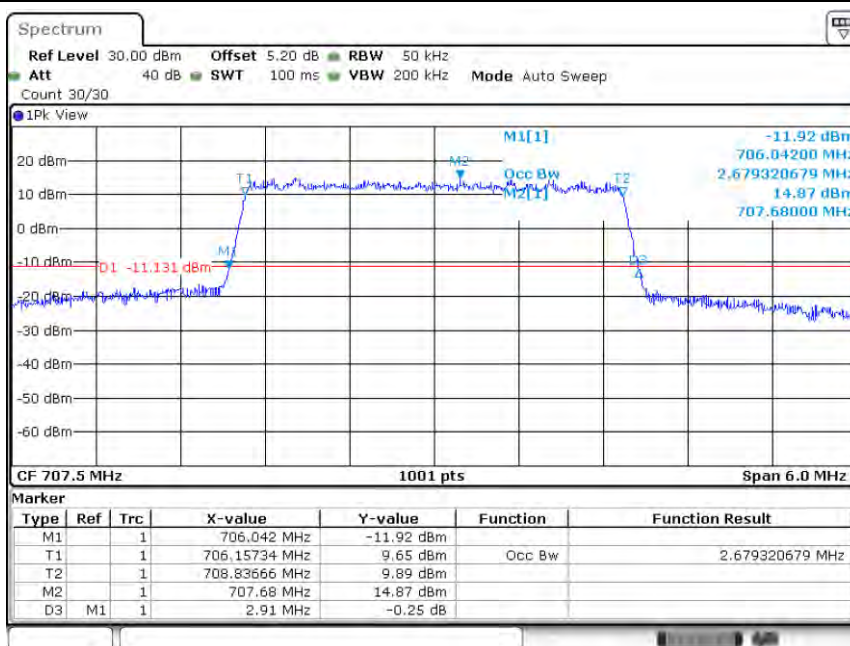


Band12-3MHz-16QAM-23025-15RB#0-2.673



Date: 10.JUL.2020 01:20:37

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



Date: 10.JUL.2020 01:21:02

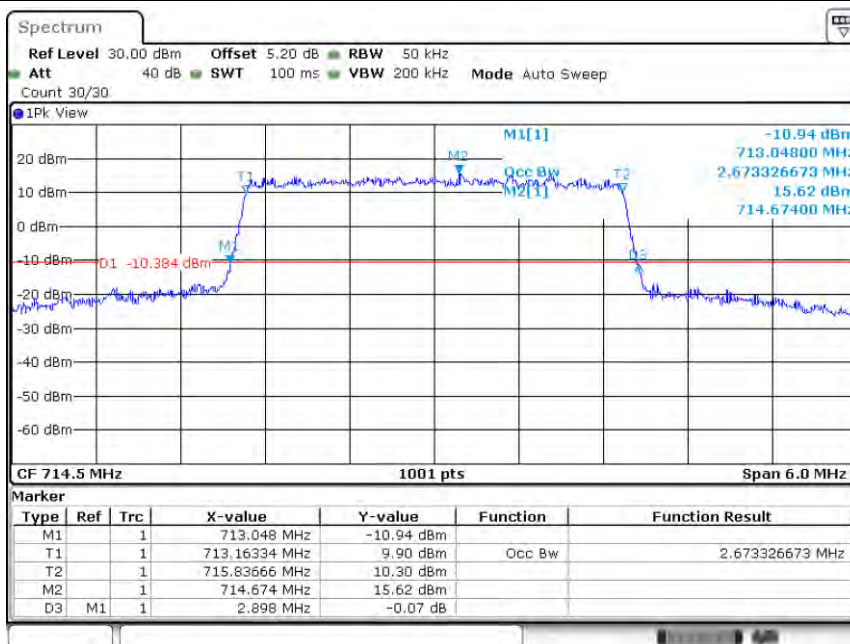


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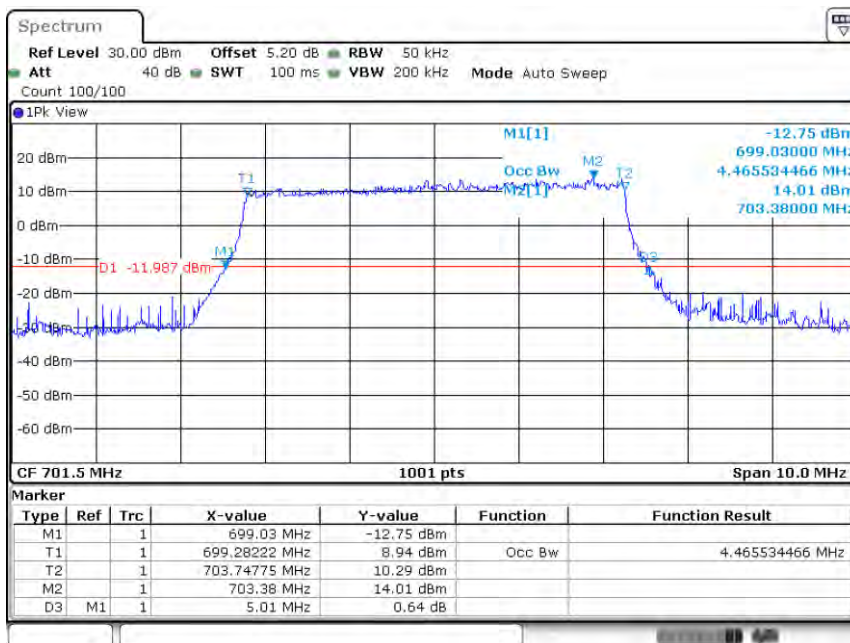


Band12-3MHz-16QAM-23165-15RB#0-2.673



Date: 10.JUL.2020 01:21:27

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



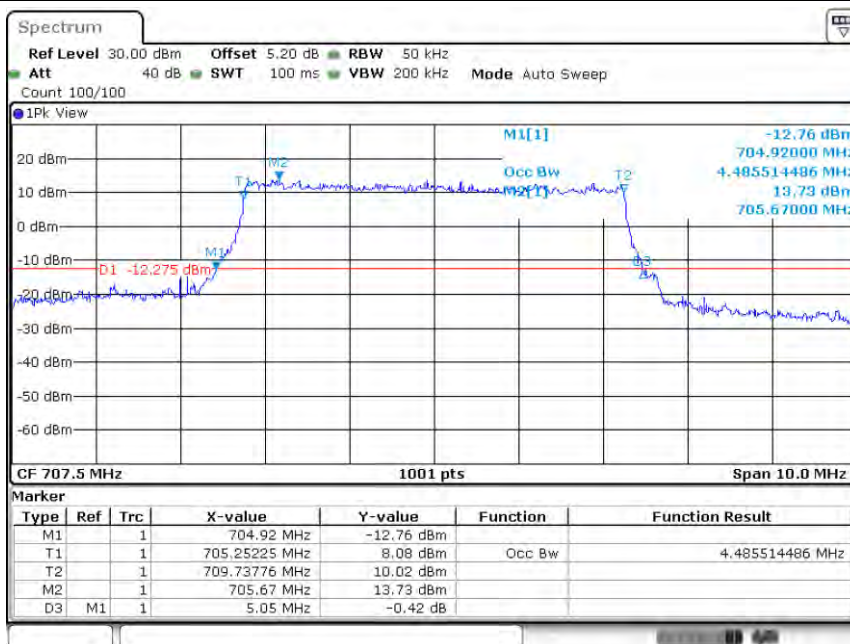
Date: 10.JUL.2020 01:21:52



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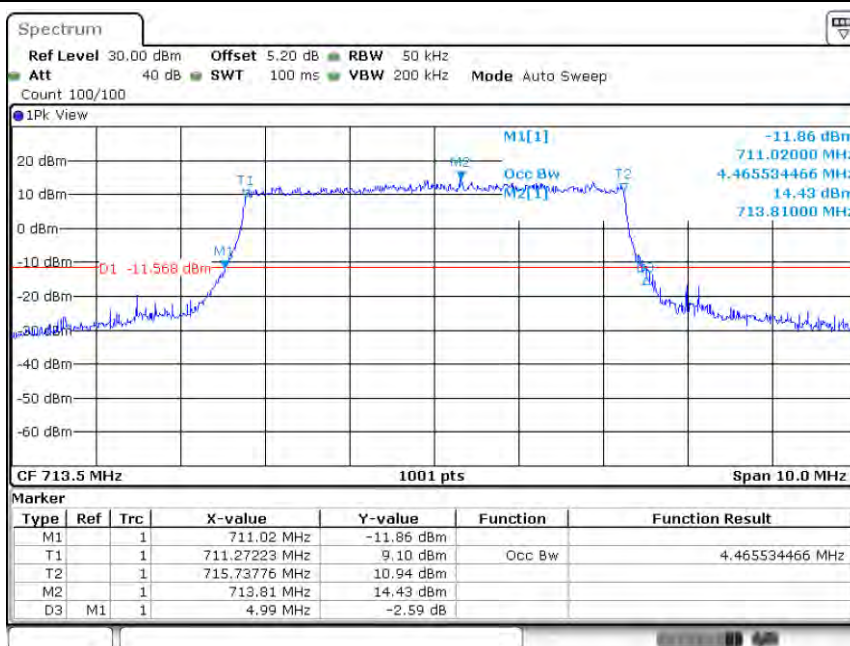
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Band12-5MHz-QPSK-23095-25RB#0-4.486



Date: 10 JUL 2020 01:22:31

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



Date: 10 JUL 2020 01:23:11



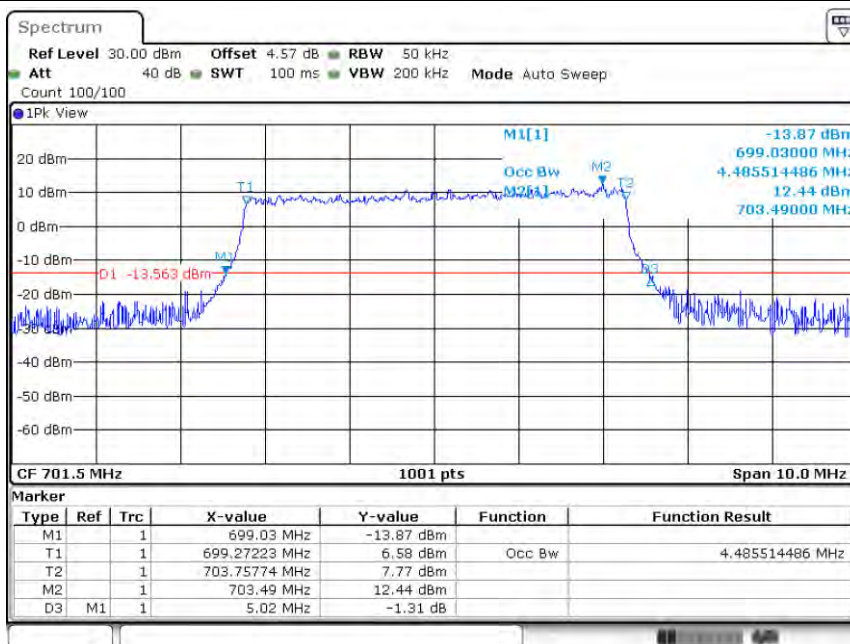
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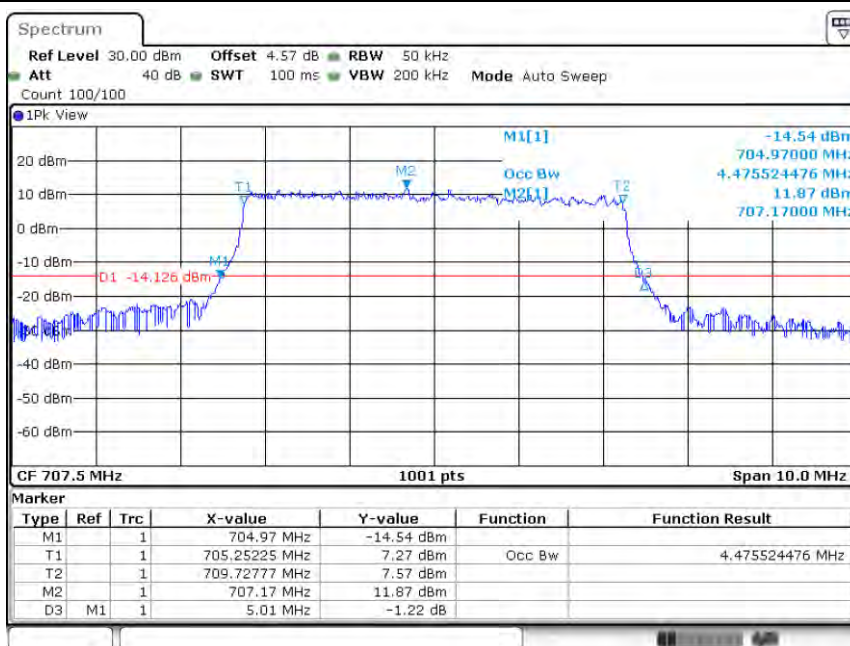


Band12-5MHz-64QAM-23035-25RB#0-4.486



Date: 14 JUL 2020 08:29:24

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



Date: 14 JUL 2020 08:29:44

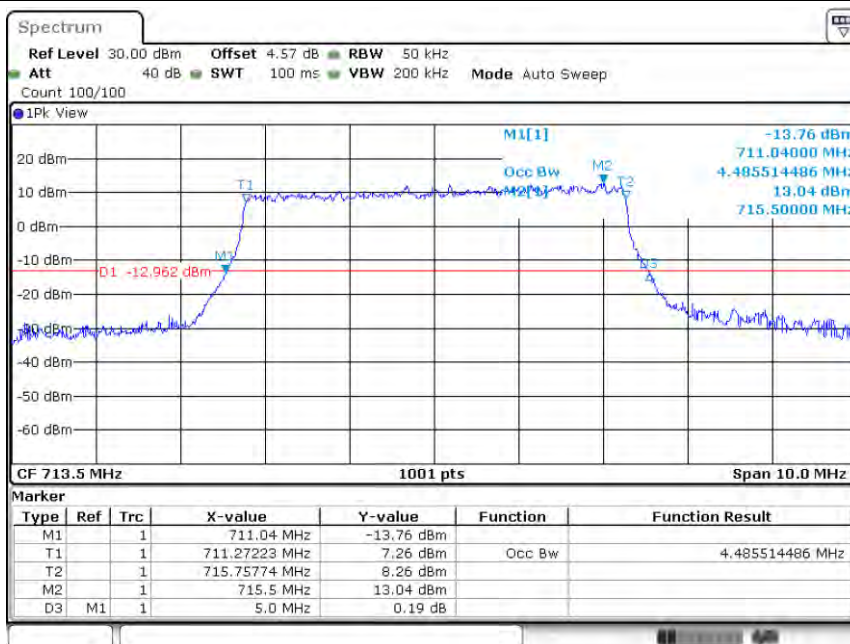


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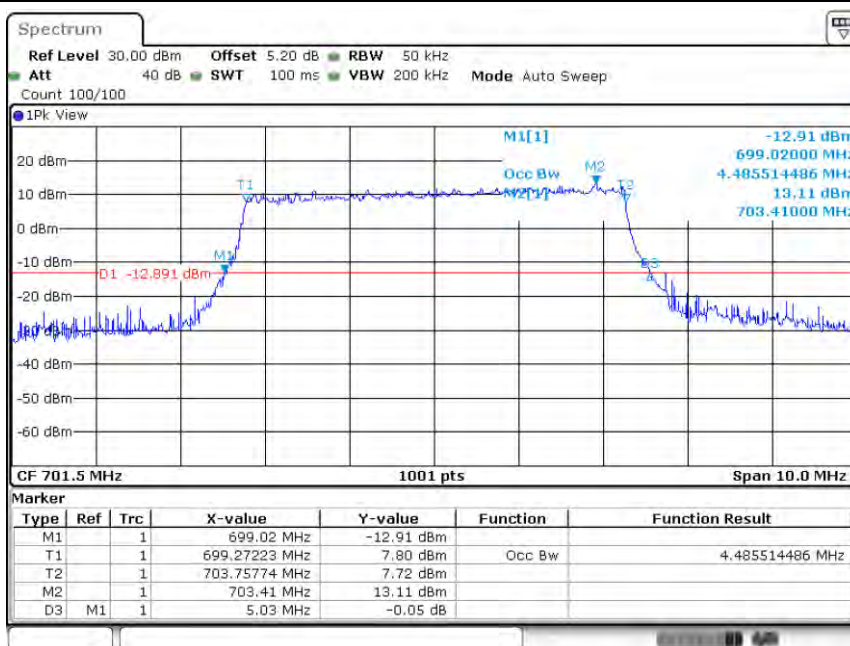


Band12-5MHz-64QAM-23155-25RB#0-4.486



Date: 14 JUL 2020 08:30:04

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



Date: 10 JUL 2020 01:22:11



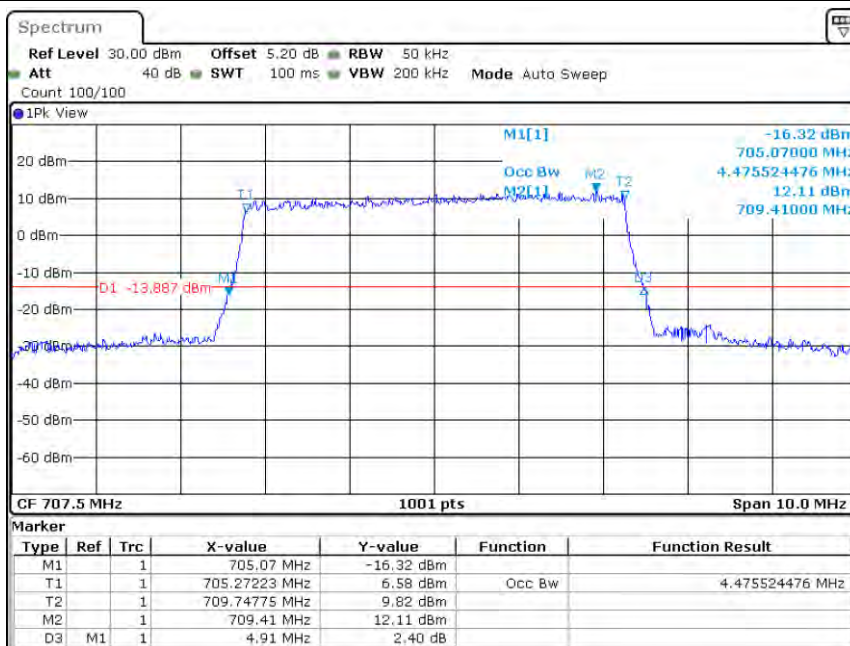
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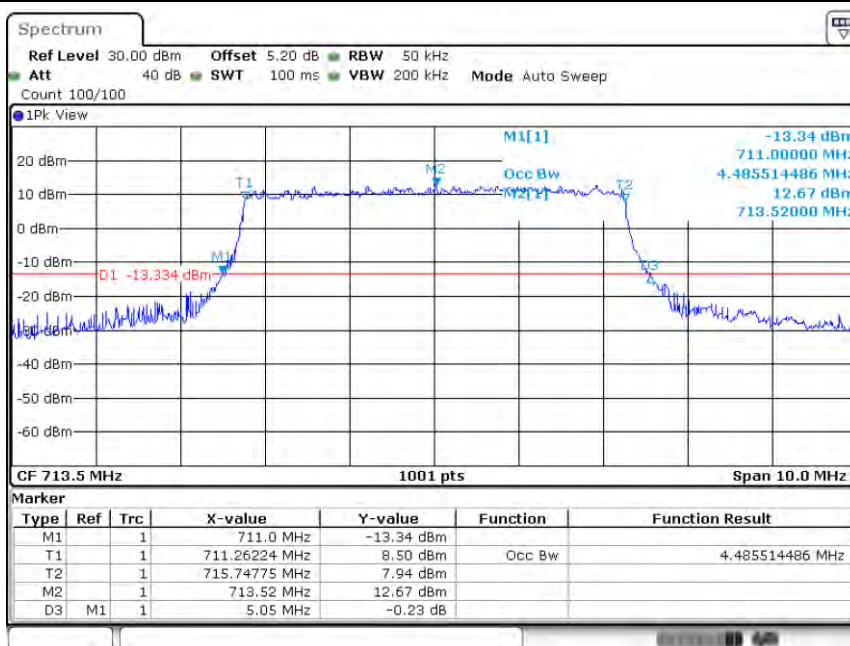


Band12-5MHz-16QAM-23095-25RB#0-4.476



Date: 16 JUL 2020 01:33:17

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



Date: 10 JUL 2020 01:23:30

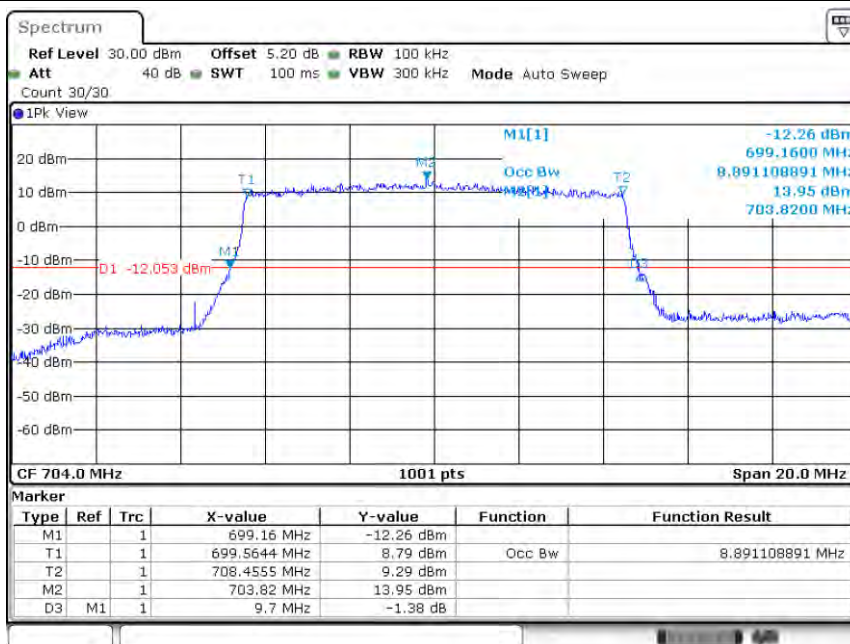


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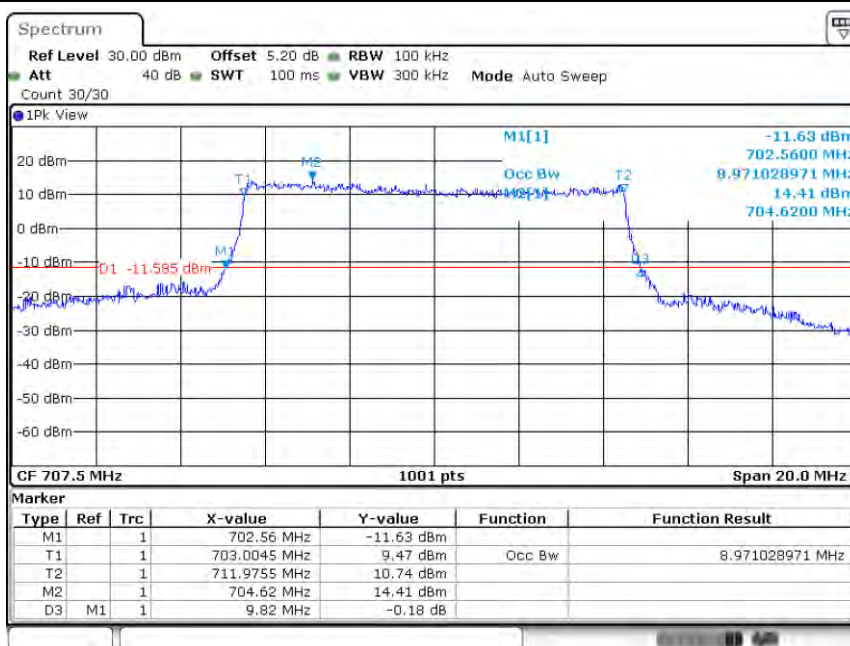


Band12-10MHz-QPSK-23060-50RB#0-8.891



Date: 10.JUL.2020 01:23:48

Band12-10MHz-QPSK-23095-50RB#0-8.971



Date: 10.JUL.2020 01:24:13



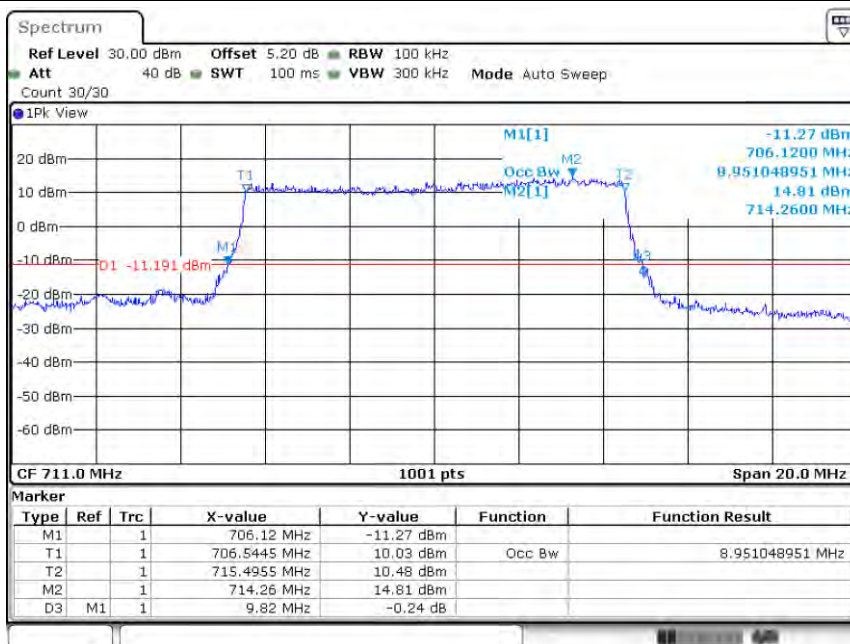
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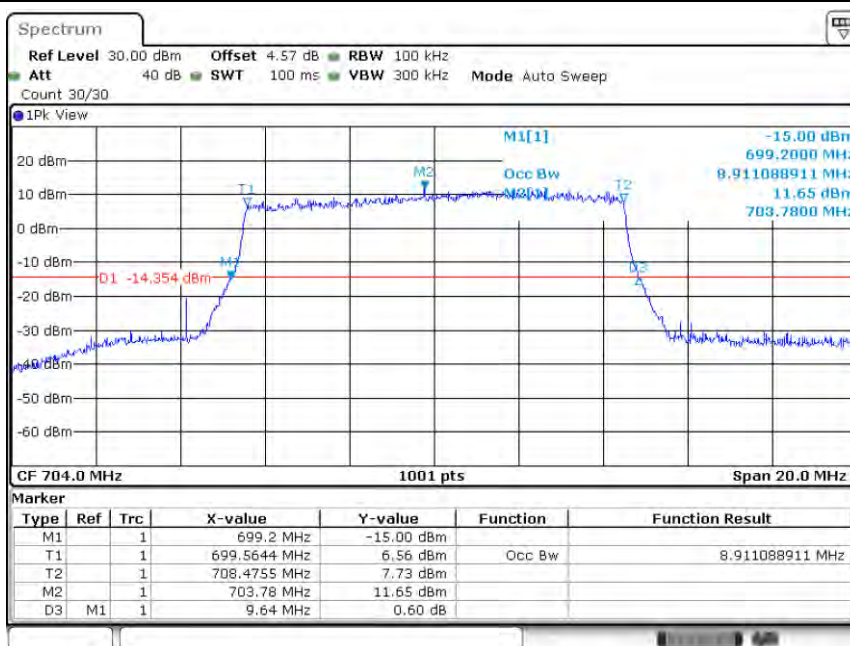


Band12-10MHz-QPSK-23130-50RB#0-8.951



Date: 10 JUL 2020 01:24:38

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



Date: 14 JUL 2020 08:30:22

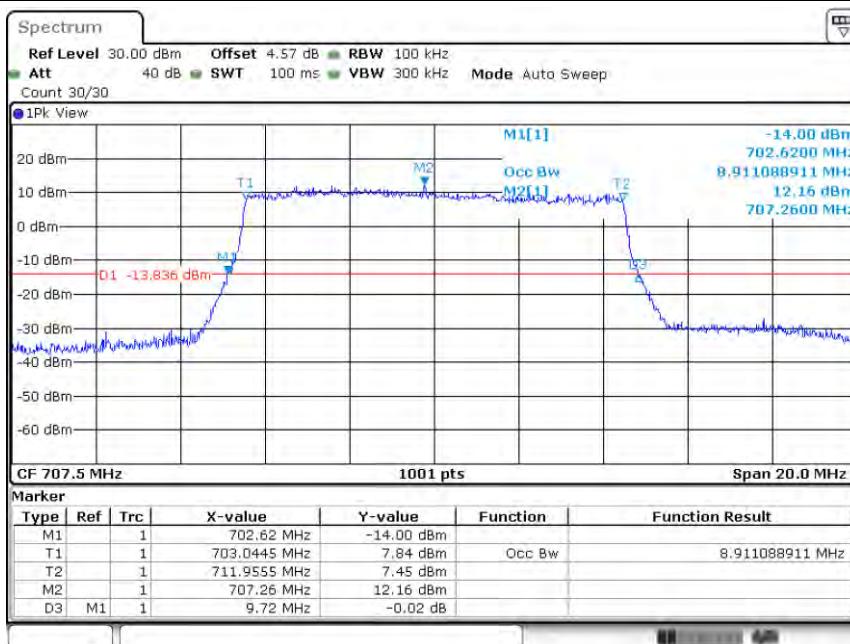


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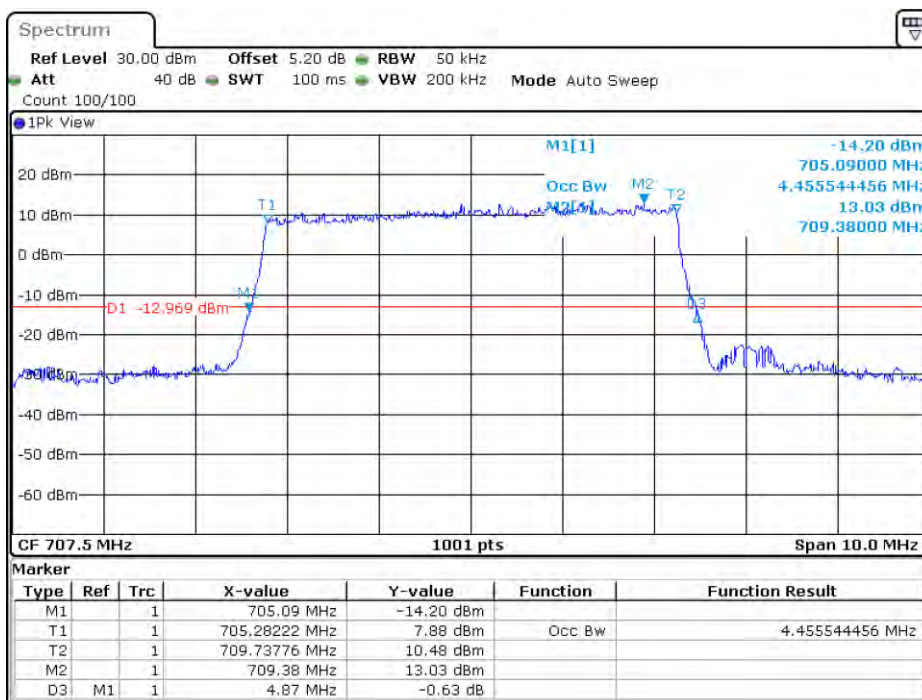
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Band12-10MHz-64QAM-23095-50RB#0-8.911



Date: 14.JUL.2020 08:30:34

Band12-10MHz-64QAM-23130-50RB#0-8.991



Date: 16.JUL.2020 01:32:57



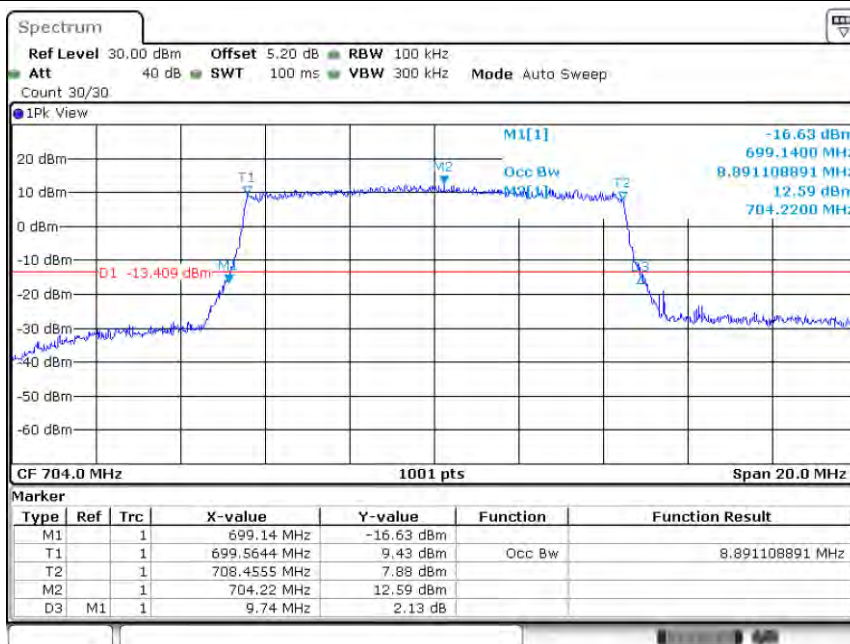
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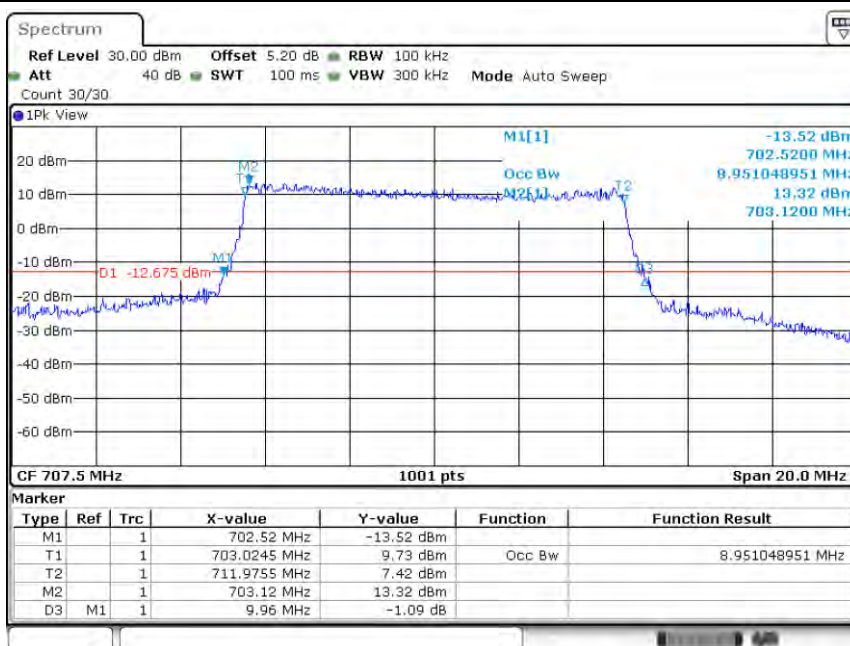


Band12-10MHz-16QAM-23060-50RB#0-8.891



Date: 10.JUL.2020 01:24:00

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



Date: 10.JUL.2020 01:24:26

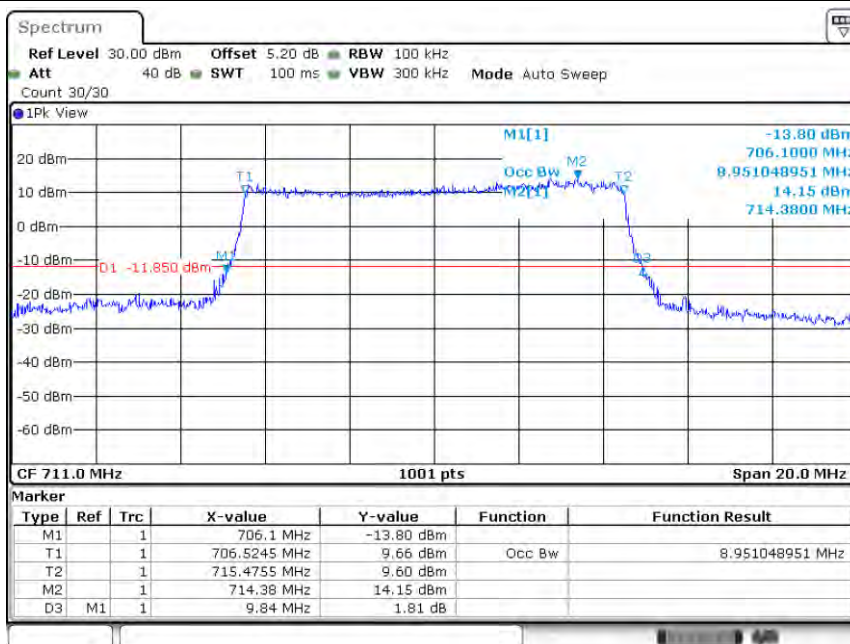


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Band12-10MHz-16QAM-23130-50RB#0-8.951



Date: 10.JUL.2020 01:24:51



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5. Band Edge Compliance

5.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	-22.78	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	-29.07	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	-19.07	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	-25.08	PASS
Band12	1.4MHz	64QAM	23017	1RB#0	-25.59	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	-31.67	PASS
Band12	1.4MHz	64QAM	23173	1RB#5	-22.34	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	-31.00	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	-23.63	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	-29.57	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	-19.87	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	-26.73	PASS
Band12	3MHz	QPSK	23025	1RB#0	-21.37	PASS
Band12	3MHz	QPSK	23025	15RB#0	-32.40	PASS
Band12	3MHz	QPSK	23165	1RB#14	-16.38	PASS
Band12	3MHz	QPSK	23165	15RB#0	-27.31	PASS
Band12	3MHz	64QAM	23025	1RB#0	-23.43	PASS
Band12	3MHz	64QAM	23025	15RB#0	-33.31	PASS
Band12	3MHz	64QAM	23165	1RB#14	-20.68	PASS
Band12	3MHz	64QAM	23165	15RB#0	-31.63	PASS
Band12	3MHz	16QAM	23025	1RB#0	-20.44	PASS
Band12	3MHz	16QAM	23025	15RB#0	-32.72	PASS
Band12	3MHz	16QAM	23165	1RB#14	-17.39	PASS
Band12	3MHz	16QAM	23165	15RB#0	-29.97	PASS
Band12	5MHz	QPSK	23035	1RB#0	-14.94	PASS
Band12	5MHz	QPSK	23035	25RB#0	-29.68	PASS
Band12	5MHz	QPSK	23155	1RB#24	-14.14	PASS
Band12	5MHz	QPSK	23155	25RB#0	-27.83	PASS
Band12	5MHz	64QAM	23035	1RB#0	-16.89	PASS
Band12	5MHz	64QAM	23035	25RB#0	-30.59	PASS
Band12	5MHz	64QAM	23155	1RB#24	-14.94	PASS
Band12	5MHz	64QAM	23155	25RB#0	-27.16	PASS



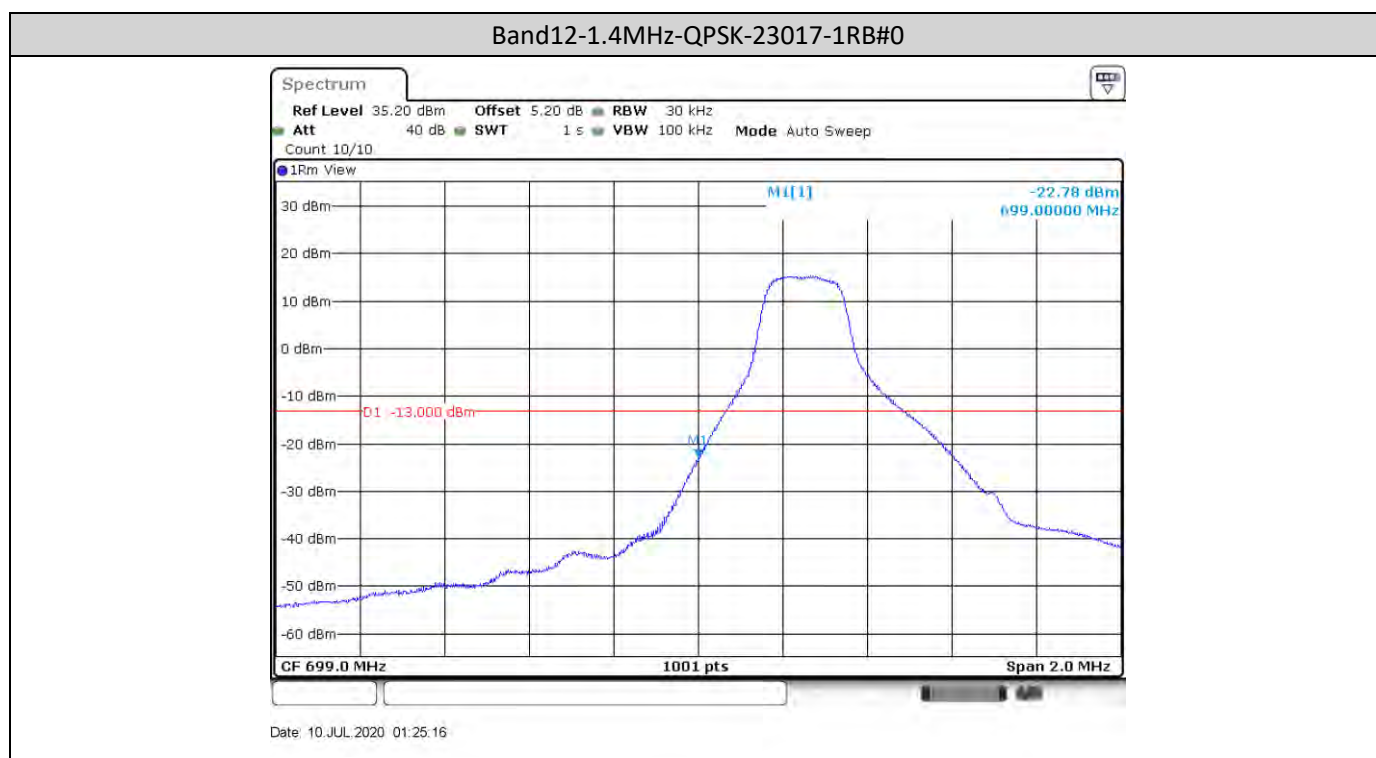
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Band12	5MHz	16QAM	23035	1RB#0	-15.73	PASS
Band12	5MHz	16QAM	23035	25RB#0	-29.86	PASS
Band12	5MHz	16QAM	23155	1RB#24	-14.25	PASS
Band12	5MHz	16QAM	23155	25RB#0	-28.22	PASS
Band12	10MHz	QPSK	23060	1RB#0	-17.66	PASS
Band12	10MHz	QPSK	23060	50RB#0	-33.91	PASS
Band12	10MHz	QPSK	23130	1RB#49	-17.07	PASS
Band12	10MHz	QPSK	23130	50RB#0	-28.83	PASS
Band12	10MHz	64QAM	23060	1RB#0	-19.49	PASS
Band12	10MHz	64QAM	23060	50RB#0	-35.88	PASS
Band12	10MHz	64QAM	23130	1RB#49	-18.02	PASS
Band12	10MHz	64QAM	23130	50RB#0	-30.38	PASS
Band12	10MHz	16QAM	23060	1RB#0	-17.41	PASS
Band12	10MHz	16QAM	23060	50RB#0	-34.69	PASS
Band12	10MHz	16QAM	23130	1RB#49	-18.32	PASS
Band12	10MHz	16QAM	23130	50RB#0	-30.44	PASS

5.2. Test Plots





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



Date: 10.JUL.2020 01:25:57

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



Date: 10.JUL.2020 01:26:42



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



Date: 10 JUL 2020 01:27:23

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



Date: 14 JUL 2020 08:31:13



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



Date: 14 JUL 2020 08:31:34

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



Date: 14 JUL 2020 08:32:06



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



Date: 14 JUL 2020 08:32:27

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



Date: 10 JUL 2020 01:25:37



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



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



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



Date: 10.JUL.2020 01:27:44

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



Date: 10.JUL.2020 01:28:09



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



Date: 10.JUL.2020 01:28:50

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



Date: 10.JUL.2020 01:29:35



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



Date: 10 JUL 2020 01:30:16

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



Date: 14 JUL 2020 08:32:53



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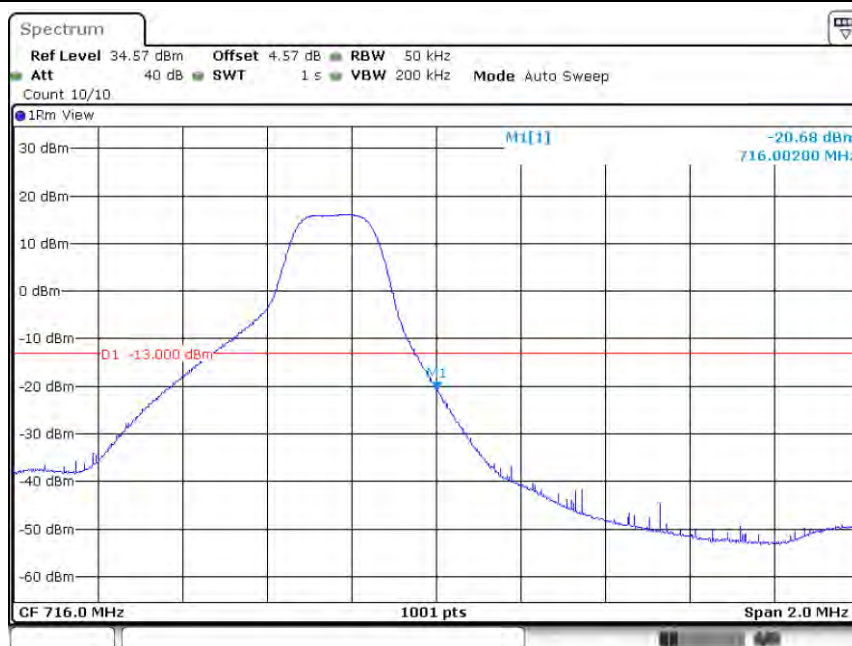


Band12-3MHz-64QAM-23025-15RB#0



Date: 14 JUL 2020 08:33:13

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



Date: 14 JUL 2020 08:33:38



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



Date: 14 JUL 2020 08:33:58

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



Date: 10 JUL 2020 01:28:30



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



Date: 10.JUL.2020 01:29:10

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



Date: 10.JUL.2020 01:29:56



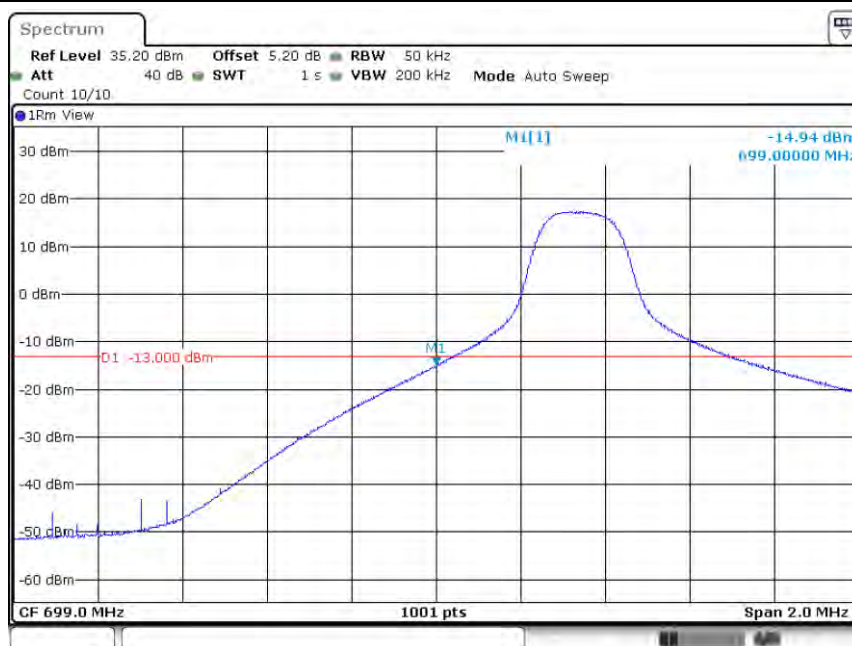


Band12-3MHz-16QAM-23165-15RB#0



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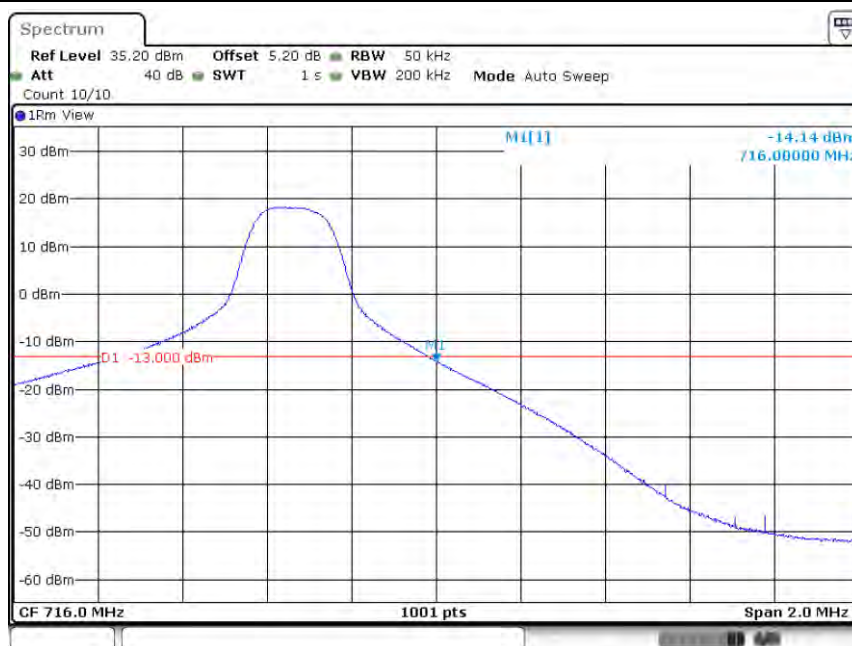


Band12-5MHz-QPSK-23035-25RB#0



Date: 10.JUL.2020 01:31:43

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



Date: 10.JUL.2020 01:32:26



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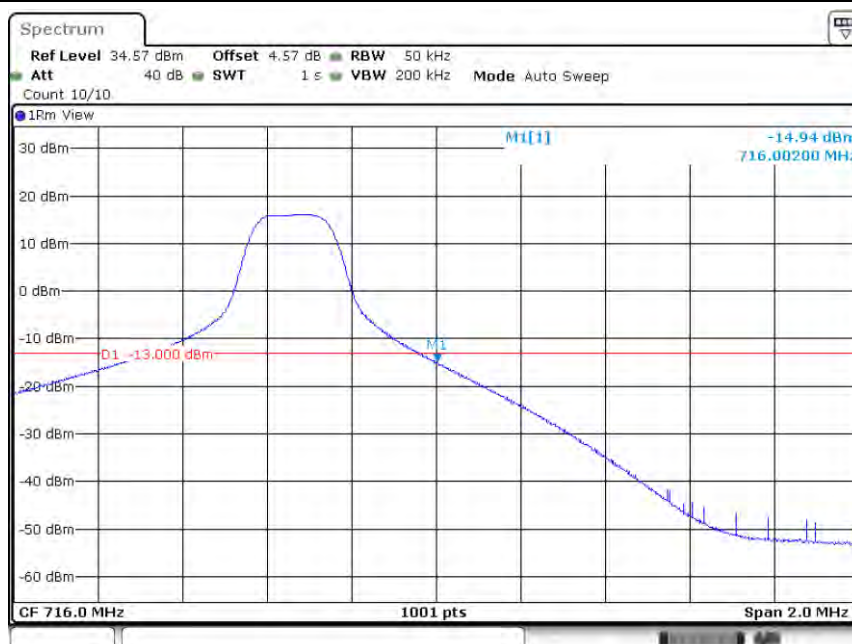
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Band12-5MHz-64QAM-23035-25RB#0



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



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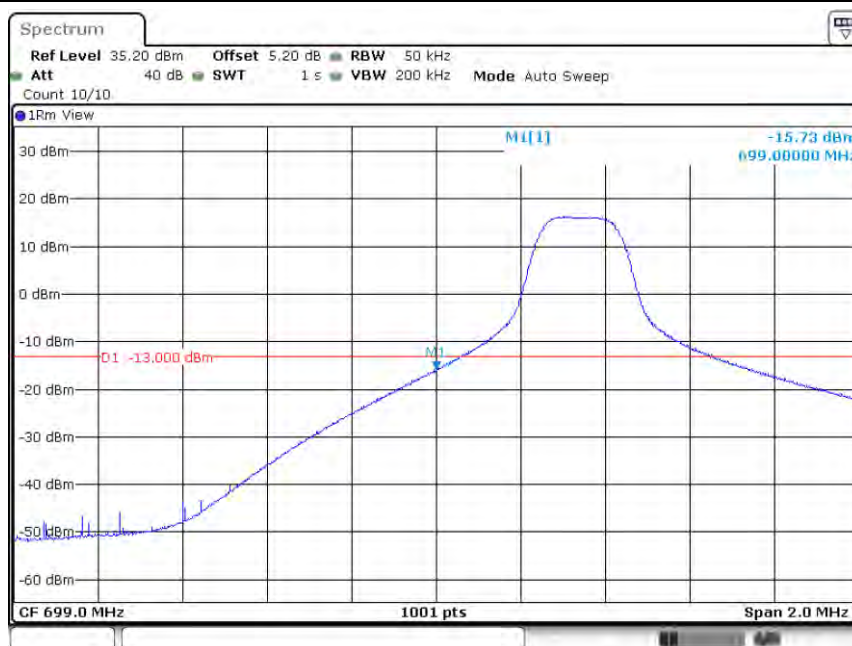


Band12-5MHz-64QAM-23155-25RB#0



Date: 14 JUL 2020 08:35:30

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



Date: 10 JUL 2020 01:31:22



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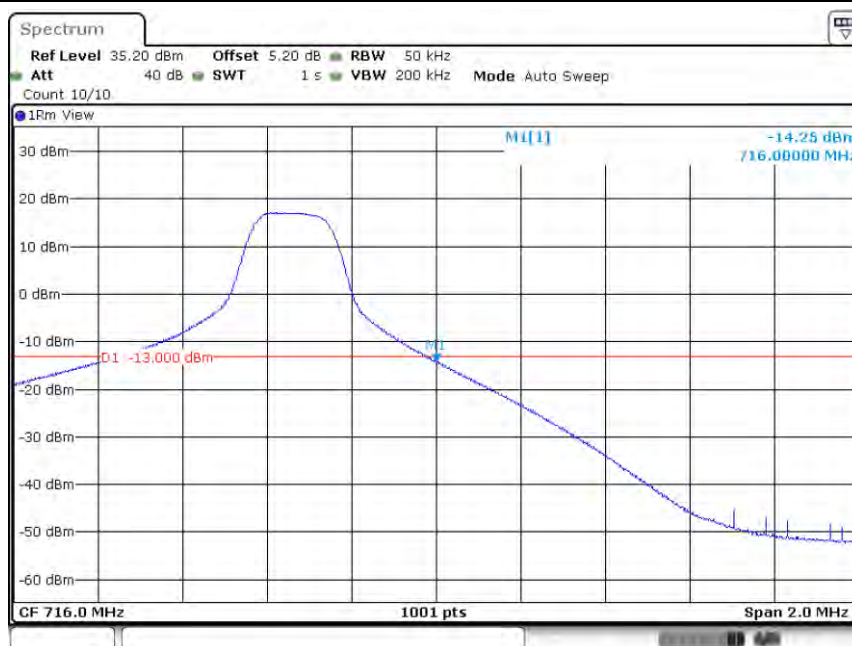


Band12-5MHz-16QAM-23035-25RB#0



Date: 10.JUL.2020 01:32:03

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



Date: 10.JUL.2020 01:32:48



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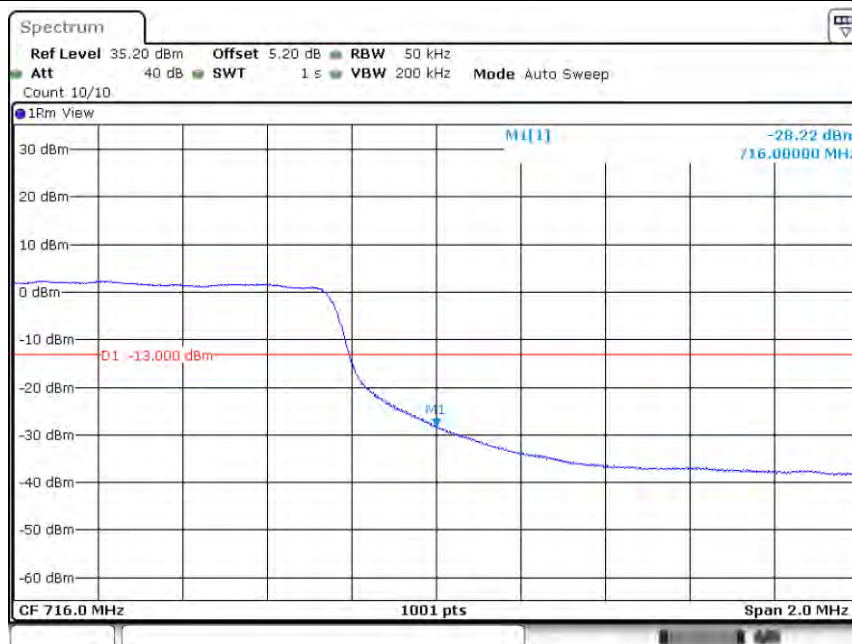
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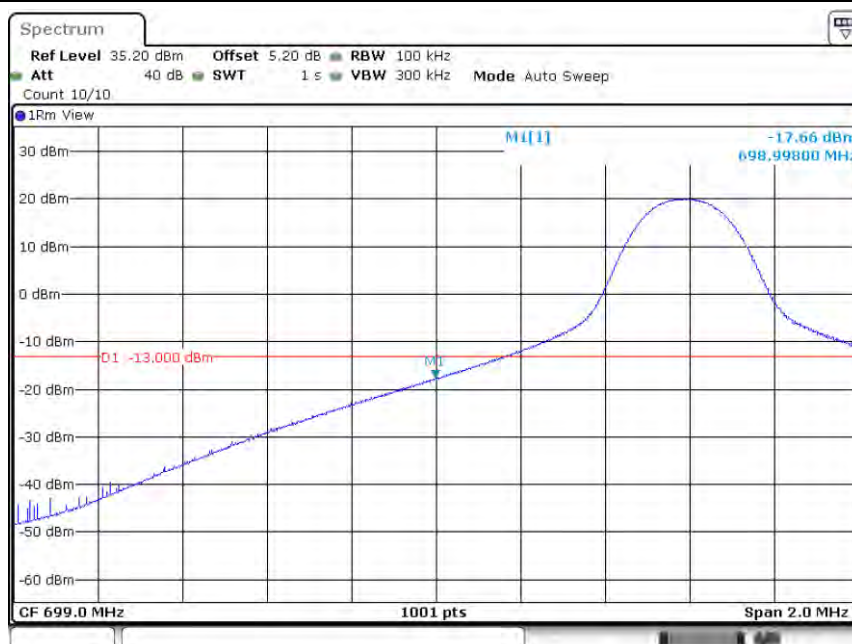


Band12-5MHz-16QAM-23155-25RB#0



Date: 10.JUL.2020 01:33:29

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



Date: 10.JUL.2020 01:33:55



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



Date: 10.JUL.2020 01:34:36

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



Date: 10.JUL.2020 01:35:21

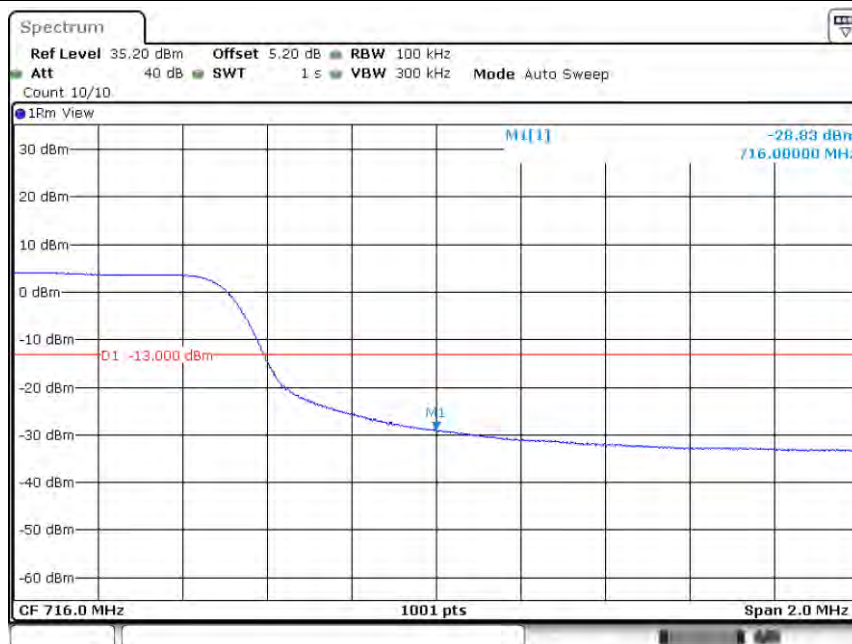


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Band12-10MHz-QPSK-23130-50RB#0



Date: 10 JUL 2020 01:36:02

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



Date: 14 JUL 2020 08:35:56



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



Date: 14 JUL 2020 08:36:16

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



Date: 14 JUL 2020 08:36:41



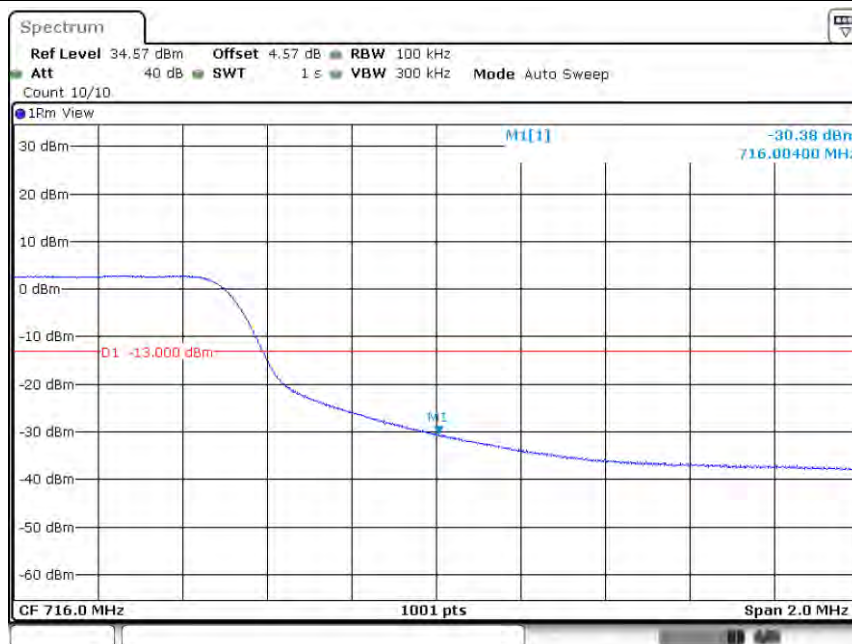
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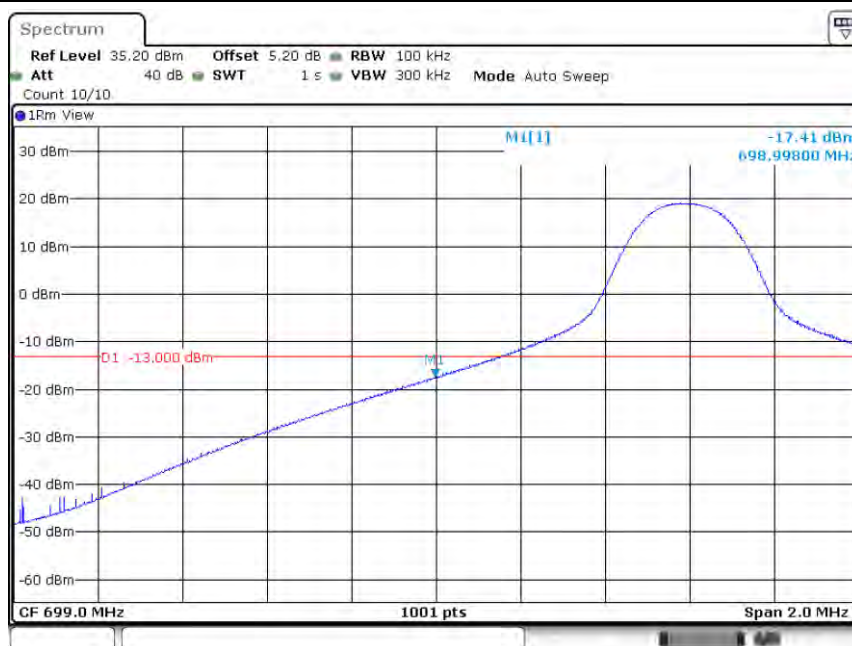


Band12-10MHz-64QAM-23130-50RB#0



Date: 14 JUL 2020 08:37:02

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



Date: 10 JUL 2020 01:34:15



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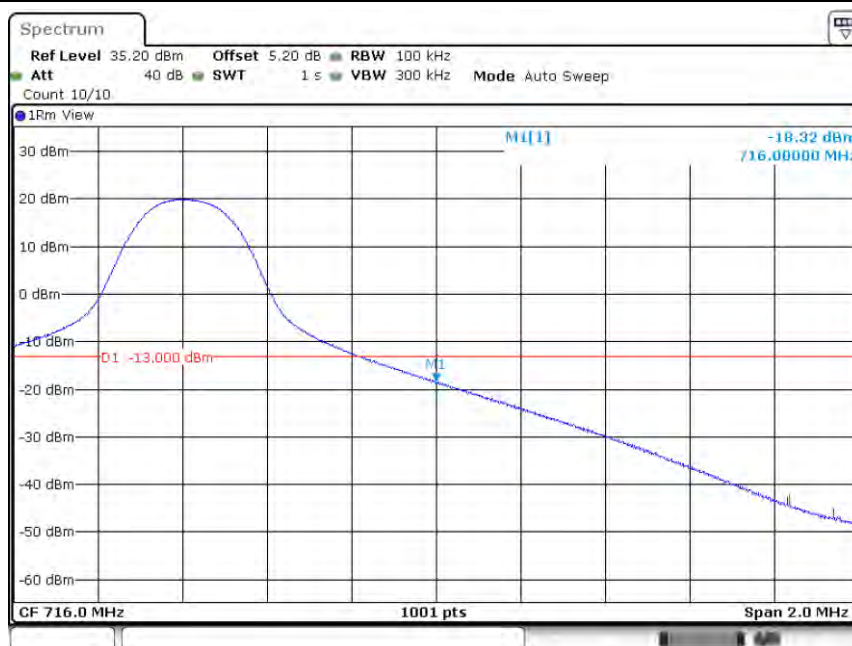


Band12-10MHz-16QAM-23060-50RB#0



Date: 10.JUL.2020 01:34:56

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



Date: 10.JUL.2020 01:35:42

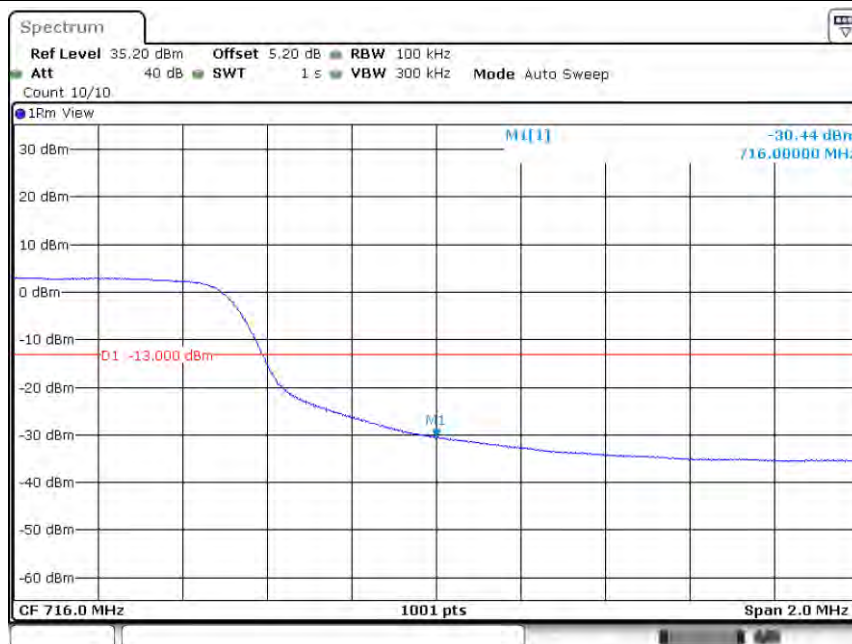


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6. Spurious Emission at Antenna Terminal

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 = $k * (\text{Span} / RBW)$ " 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.



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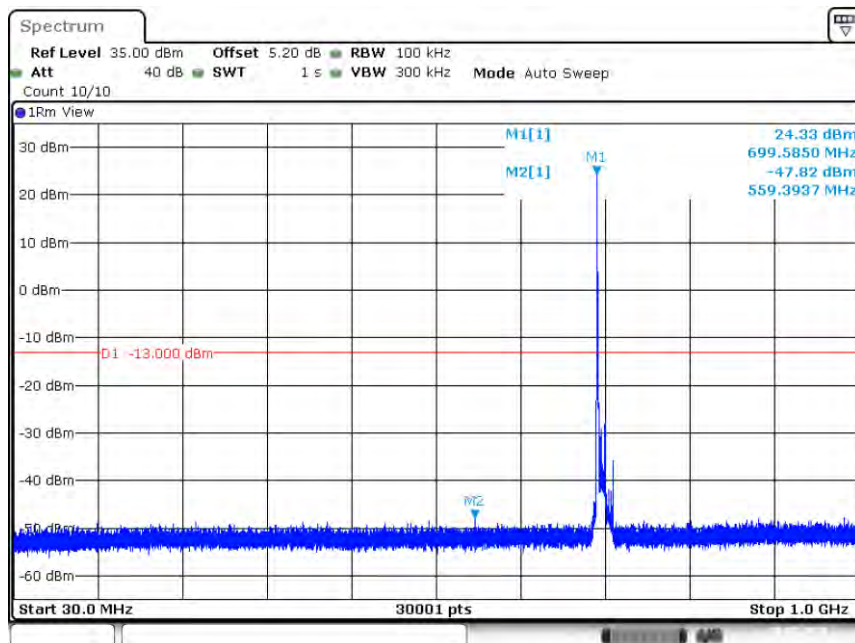
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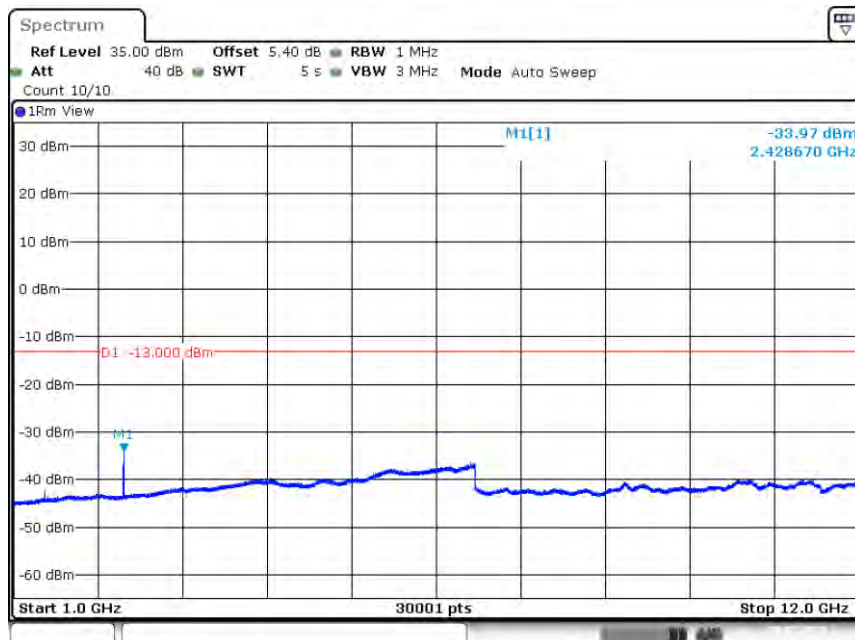
6.1. Test Plots

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



Date: 30 JUL 2020 22:58:39

Band12-10MHz-QPSK-23060-1RB#0-Range2:1000~12000MHz



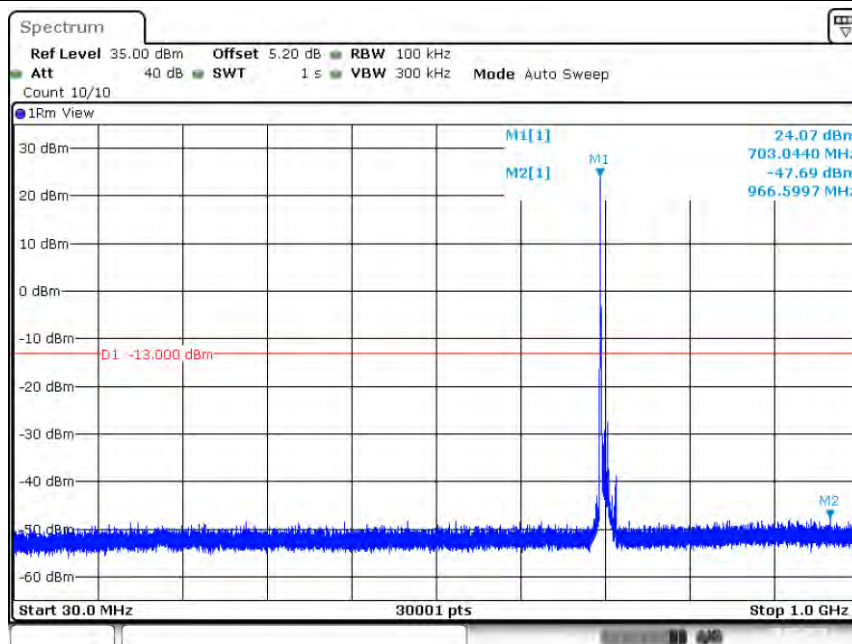
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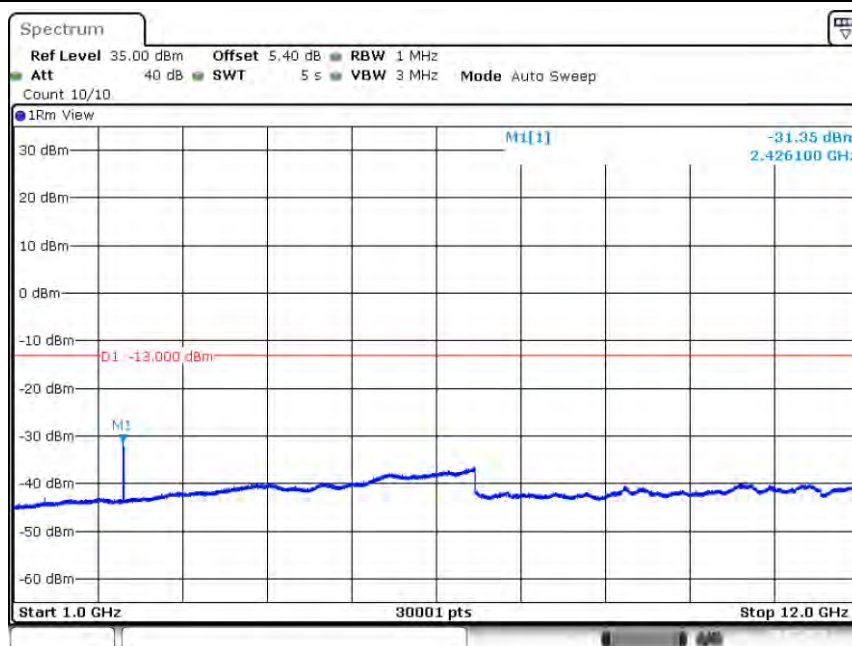
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Band12-10MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



Date: 30.JUL.2020 23:01:33

Band12-10MHz-QPSK-23095-1RB#0-Range2:1000~12000MHz



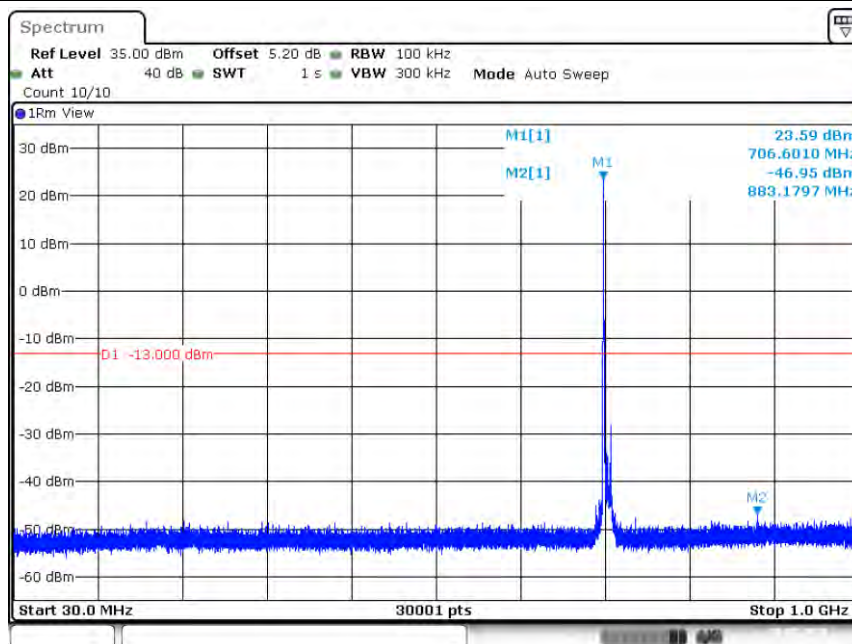
Date: 30.JUL.2020 23:02:40



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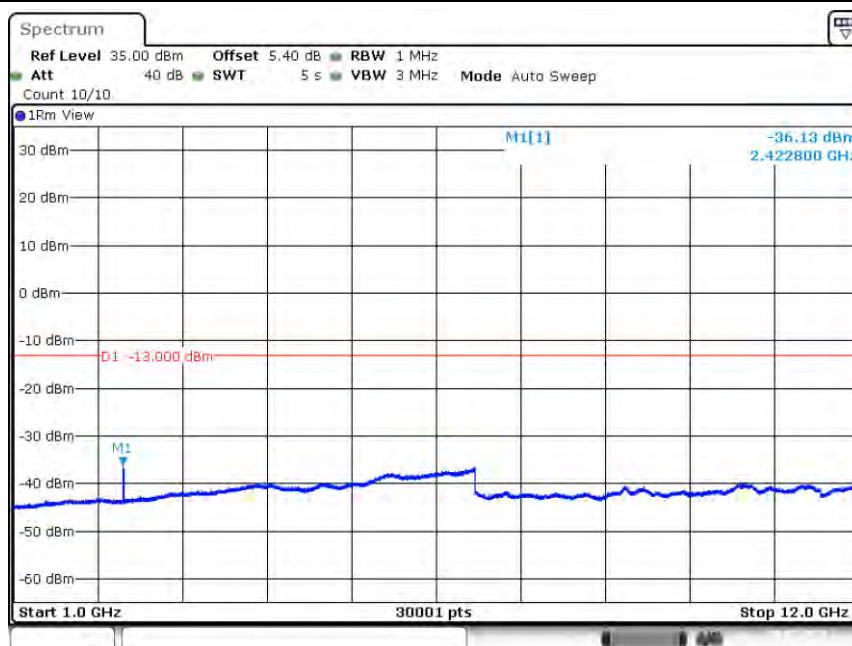


Band12-10MHz-QPSK-23130-1RB#0-Range1:30~1000MHz



Date: 30.JUL.2020 23:04:28

Band12-10MHz-QPSK-23130-1RB#0-Range2:1000~12000MHz



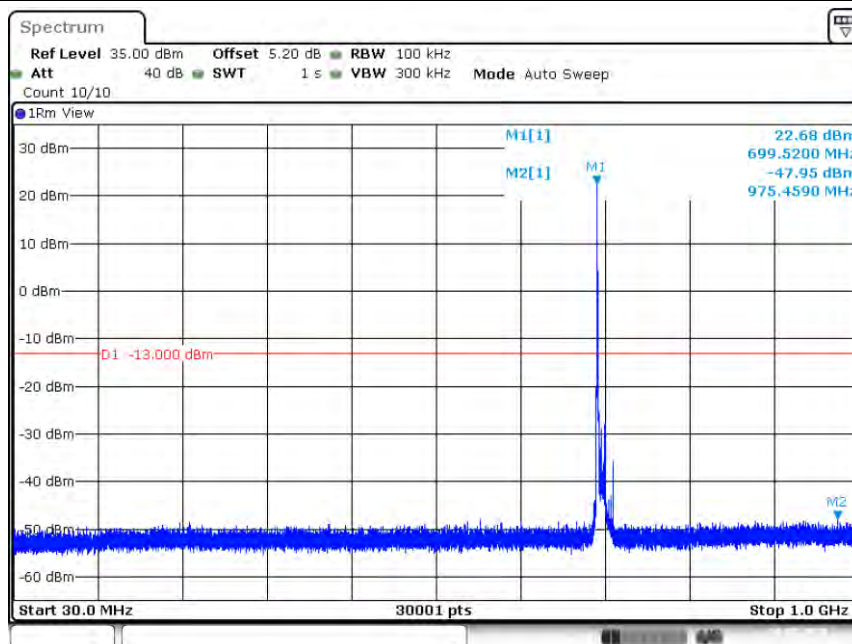
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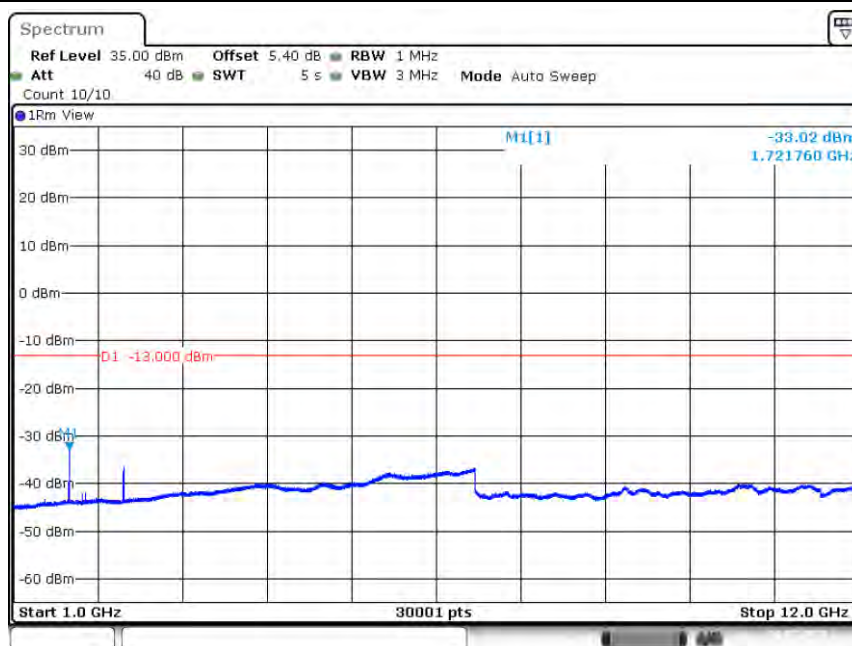


Band12-10MHz-64QAM-23060-1RB#0-Range1:30~1000MHz



Date: 31 JUL 2020 08:46:09

Band12-10MHz-64QAM-23060-1RB#0-Range2:1000~12000MHz



Date: 31 JUL 2020 08:47:17

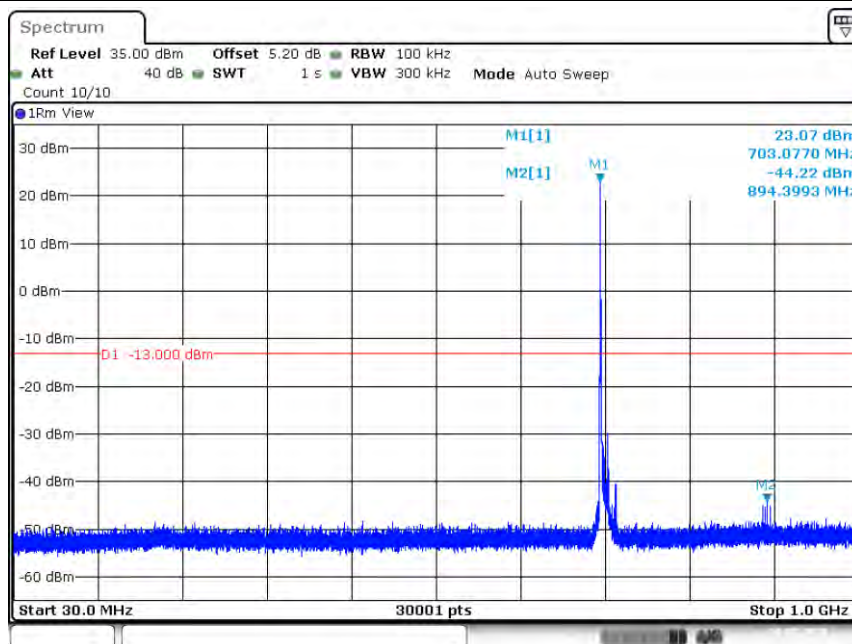


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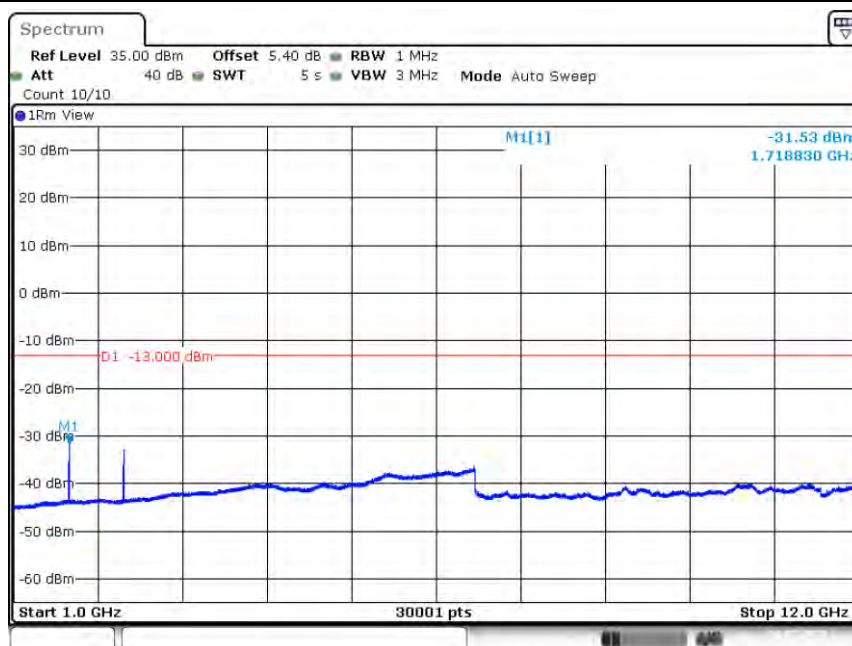
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Band12-10MHz-64QAM-23095-1RB#0-Range1:30~1000MHz



Date: 31 JUL 2020 08:47:37

Band12-10MHz-64QAM-23095-1RB#0-Range2:1000~12000MHz



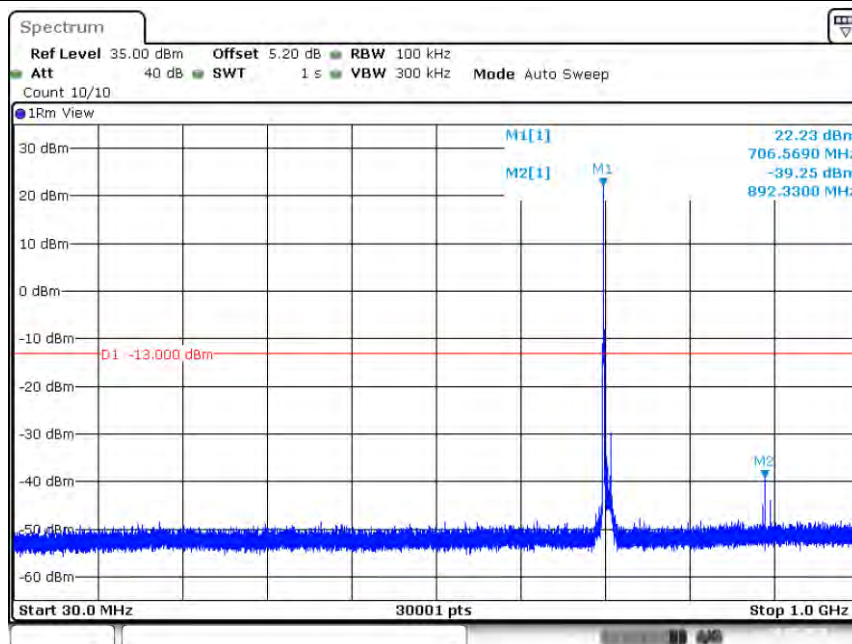
Date: 31 JUL 2020 08:48:44



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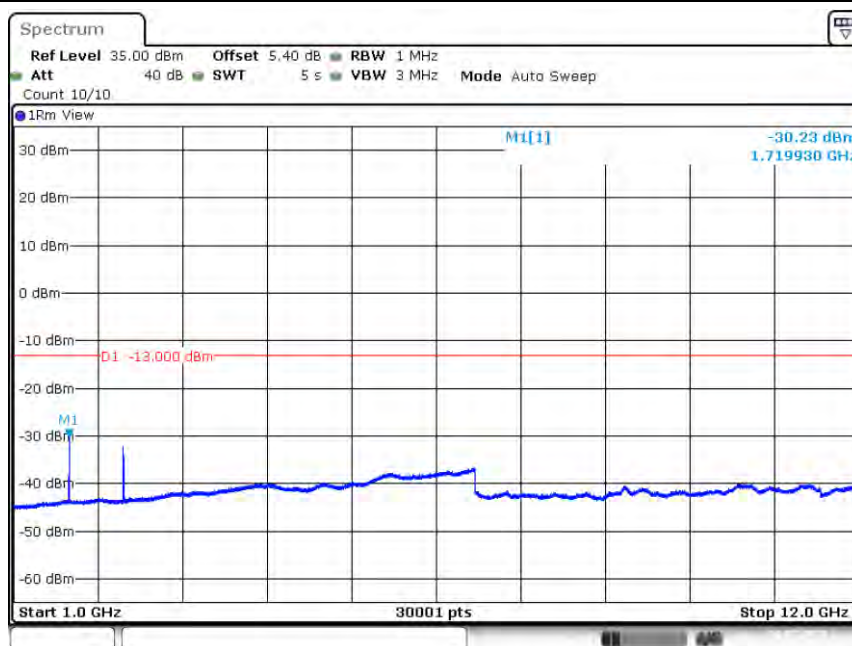
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Band12-10MHz-64QAM-23130-1RB#0-Range1:30~1000MHz



Date: 31 JUL 2020 08:49:04

Band12-10MHz-64QAM-23130-1RB#0-Range2:1000~12000MHz



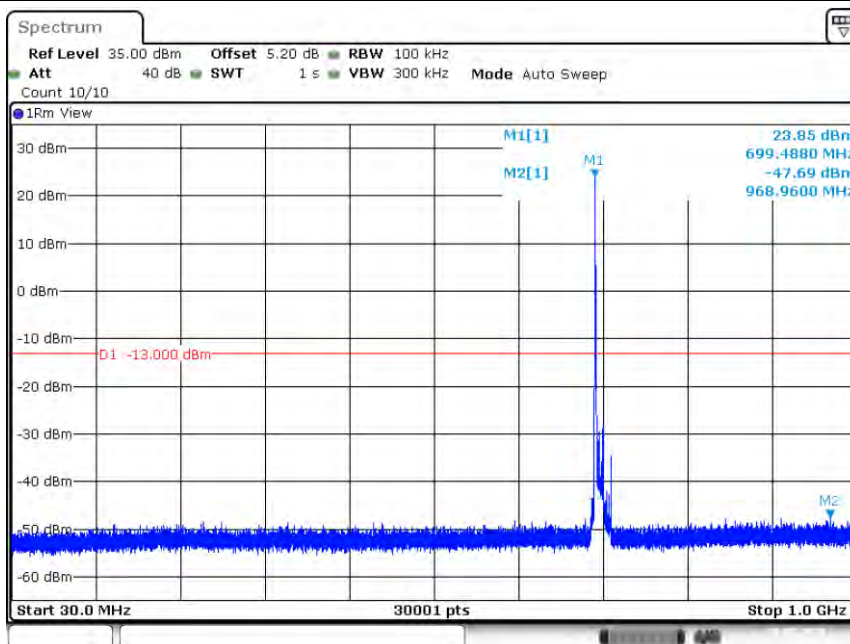
Date: 31 JUL 2020 08:50:11



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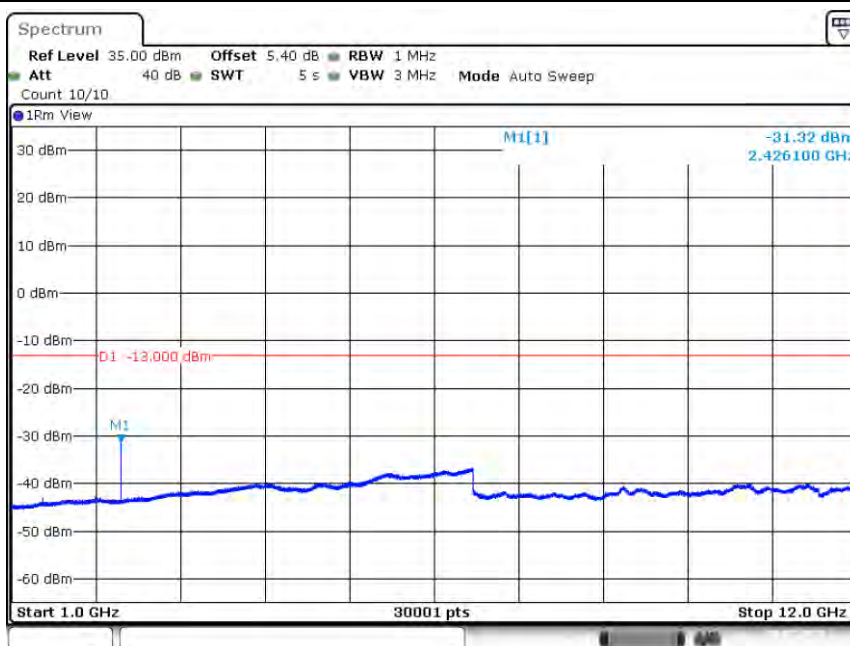
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Band12-10MHz-16QAM-23060-1RB#0-Range1:30~1000MHz



Date: 30.JUL.2020 23:00:06

Band12-10MHz-16QAM-23060-1RB#0-Range2:1000~12000MHz



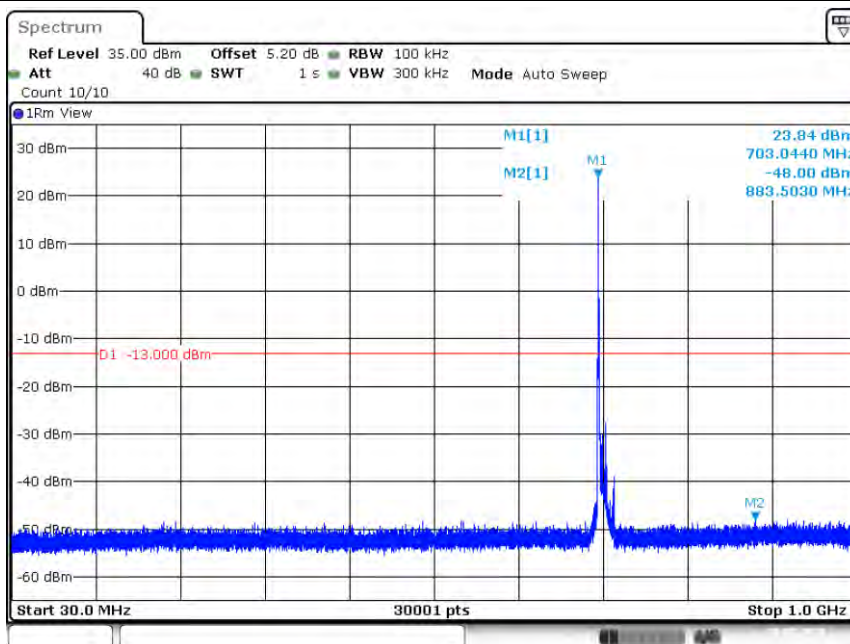
Date: 30.JUL.2020 23:01:13



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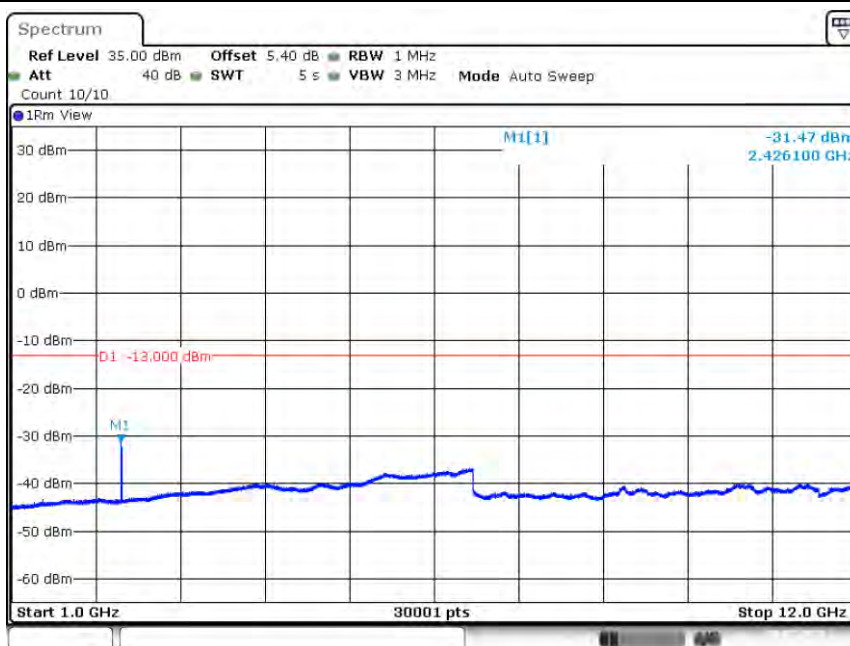
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Band12-10MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



Date: 30.JUL.2020 23:03:00

Band12-10MHz-16QAM-23095-1RB#0-Range2:1000~12000MHz

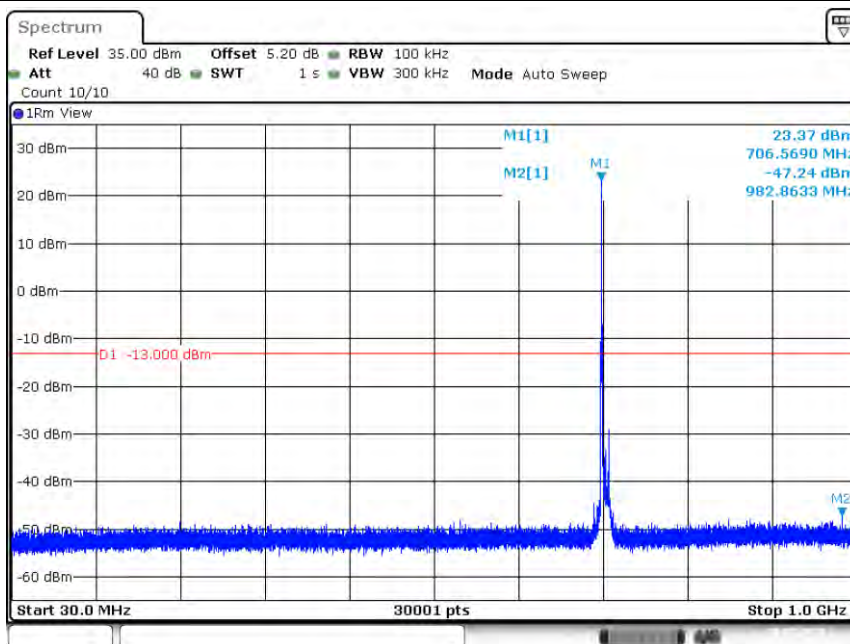


Date: 30.JUL.2020 23:04:08



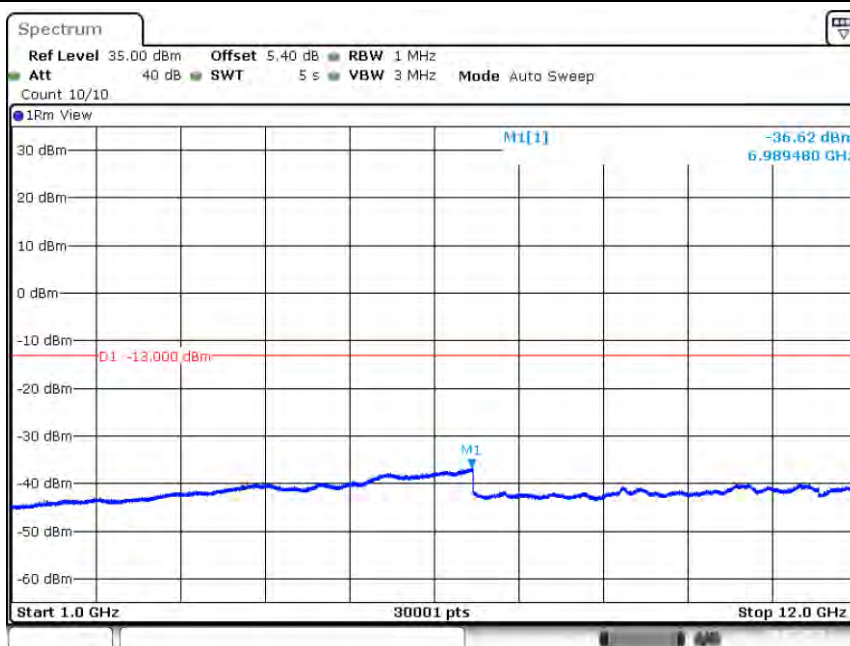
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Band12-10MHz-16QAM-23130-1RB#0-Range1:30~1000MHz



Date: 30.JUL.2020 23:05:55

Band12-10MHz-16QAM-23130-1RB#0-Range2:1000~12000MHz



Date: 30.JUL.2020 23:07:02



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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
55.0273	-71.83	-13.00	58.83	147	153	Vertical
116.9163	-64.67	-13.00	51.67	254	281	Vertical
1399.2799	-57.63	-13.00	44.63	226	43	Vertical
3000.0000	-55.36	-13.00	42.36	281	179	Vertical
7998.8000	-55.54	-13.00	42.54	281	89	Vertical
17999.4000	-38.84	-13.00	25.84	236	238	Vertical
42.2711	-63.35	-13.00	50.35	187	217	Horizontal
238.0754	-67.60	-13.00	54.60	165	111	Horizontal
499.6490	-65.29	-13.00	52.29	174	217	Horizontal
1398.8798	-53.89	-13.00	40.89	195	303	Horizontal
2697.9396	-55.43	-13.00	42.43	175	152	Horizontal
16399.1360	-41.28	-13.00	28.28	169	4	Horizontal

7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
57.1614	-72.51	-13.00	59.51	222	248	Vertical
118.7109	-64.57	-13.00	51.57	284	333	Vertical
1406.0812	-58.71	-13.00	45.71	263	26	Vertical
2996.7994	-55.64	-13.00	42.64	274	213	Vertical
7465.9786	-55.35	-13.00	42.35	259	226	Vertical
17993.9998	-38.95	-13.00	25.95	247	137	Vertical
44.9387	-63.91	-13.00	50.91	174	26	Horizontal
228.5689	-68.22	-13.00	55.22	169	4	Horizontal
1406.0812	-52.18	-13.00	39.18	187	233	Horizontal
2709.5419	-55.24	-13.00	42.24	157	101	Horizontal
7482.1793	-55.92	-13.00	42.92	163	153	Horizontal
16399.1360	-41.71	-13.00	28.71	194	302	Horizontal





7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
49.5950	-72.12	-13.00	59.12	247	154	Vertical
116.0433	-65.02	-13.00	52.02	125	175	Vertical
1413.2827	-61.18	-13.00	48.18	259	41	Vertical
2998.3997	-55.70	-13.00	42.70	284	152	Vertical
7365.1746	-55.40	-13.00	42.40	263	4	Vertical
17995.1998	-39.11	-13.00	26.11	287	324	Vertical
44.0172	-64.01	-13.00	51.01	187	89	Horizontal
233.2252	-67.73	-13.00	54.73	169	68	Horizontal
1412.8826	-56.54	-13.00	43.54	174	236	Horizontal
2699.1398	-55.45	-13.00	42.45	185	217	Horizontal
7483.9794	-55.84	-13.00	42.84	162	344	Horizontal
16393.7357	-41.87	-13.00	28.87	189	344	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 [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band12	10MHz	QPSK	23060	50RB#0	VL	NT	-0.70	-0.000994	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VN	NT	-2.70	-0.003835	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VH	NT	-1.60	-0.002273	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VL	NT	-2.30	-0.003251	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VN	NT	-8.90	-0.012580	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VH	NT	-1.50	-0.002120	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VL	NT	-7.10	-0.009986	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VN	NT	-5.10	-0.007173	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VH	NT	-2.60	-0.003657	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	VL	NT	-3.20	-0.004545	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	VN	NT	-6.40	-0.009091	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	VH	NT	-2.50	-0.003551	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	VL	NT	-5.30	-0.007491	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	VN	NT	0.00	0.000000	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	VH	NT	-4.70	-0.006643	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	VL	NT	-3.10	-0.004360	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	VN	NT	-7.70	-0.010830	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	VH	NT	-5.90	-0.008298	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VL	NT	-1.60	-0.002273	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VN	NT	-7.10	-0.010085	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VH	NT	-5.40	-0.007670	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VL	NT	-4.30	-0.006078	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VN	NT	-0.40	-0.000565	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VH	NT	-8.30	-0.011731	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VL	NT	-3.70	-0.005204	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VN	NT	-2.90	-0.004079	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VH	NT	-8.00	-0.011252	±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	-11.40	-0.016193	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-20	-9.40	-0.013352	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-10	-6.74	-0.009574	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	0	-7.40	-0.010511	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	10	-6.20	-0.008807	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	20	-3.50	-0.004972	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	30	-3.30	-0.004688	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	40	-1.60	-0.002273	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	50	-3.60	-0.005114	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-30	-9.20	-0.013004	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-20	-7.20	-0.010177	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-10	-6.12	-0.008650	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	0	-3.20	-0.004523	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	10	-4.50	-0.006360	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	20	-6.90	-0.009753	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	30	-5.90	-0.008339	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	40	-9.50	-0.013428	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	50	-3.80	-0.005371	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-30	-6.70	-0.009423	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-20	-5.60	-0.007876	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-10	-7.83	-0.011013	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	0	-9.50	-0.013361	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	10	-7.30	-0.010267	±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	-5.80	-0.008158	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	40	-3.90	-0.005485	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	50	-8.40	-0.011814	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	-30	-1.10	-0.001563	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	-20	-6.40	-0.009091	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	-10	-5.38	-0.007642	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	0	-3.40	-0.004830	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	10	-4.30	-0.006108	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	20	-4.50	-0.006392	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	30	-6.50	-0.009233	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	40	-3.40	-0.004830	±2.5	PASS



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Band12	10MHz	64QAM	23060	50RB#0	NV	50	-7.80	-0.011080	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	-30	-4.30	-0.006078	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	-20	-0.40	-0.000565	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	-10	-2.87	-0.004057	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	0	0.00	0.000000	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	10	-6.60	-0.009329	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	20	-7.80	-0.011025	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	30	-1.90	-0.002686	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	40	-1.80	-0.002544	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	50	-4.00	-0.005654	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	-30	-6.60	-0.009283	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	-20	-7.00	-0.009845	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	-10	-5.27	-0.007412	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	0	-7.50	-0.010549	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	10	-9.10	-0.012799	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	20	-7.70	-0.010830	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	30	-5.70	-0.008017	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	40	-4.00	-0.005626	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	50	-4.50	-0.006329	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-30	-7.50	-0.010653	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-20	-1.50	-0.002131	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-10	-3.39	-0.004815	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	0	-6.40	-0.009091	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	10	-6.40	-0.009091	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	20	-1.90	-0.002699	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	30	-7.20	-0.010227	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	40	-4.40	-0.006250	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	50	-3.90	-0.005540	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-30	-8.30	-0.011731	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-20	-5.20	-0.007350	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-10	1.12	0.001583	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	0	-1.80	-0.002544	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	10	0.70	0.000989	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	20	-4.40	-0.006219	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	30	-4.80	-0.006784	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	40	-1.00	-0.001413	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	50	-7.00	-0.009894	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	-30	-7.80	-0.010970	±2.5	PASS



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Band12	10MHz	16QAM	23130	50RB#0	NV	-20	-4.40	-0.006188	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	-10	-3.11	-0.004374	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	0	-2.30	-0.003235	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	10	-3.50	-0.004923	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	20	-5.80	-0.008158	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	30	-6.90	-0.009705	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	40	-6.10	-0.008579	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	50	-5.20	-0.007314	±2.5	PASS



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