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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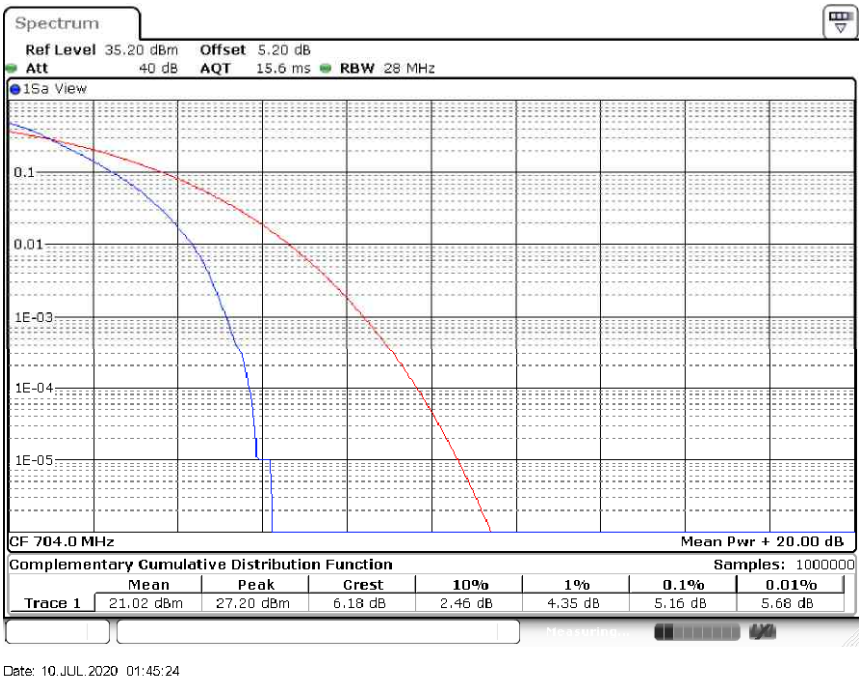
2. Peak-to-Average Ratio (CCDF)

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

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



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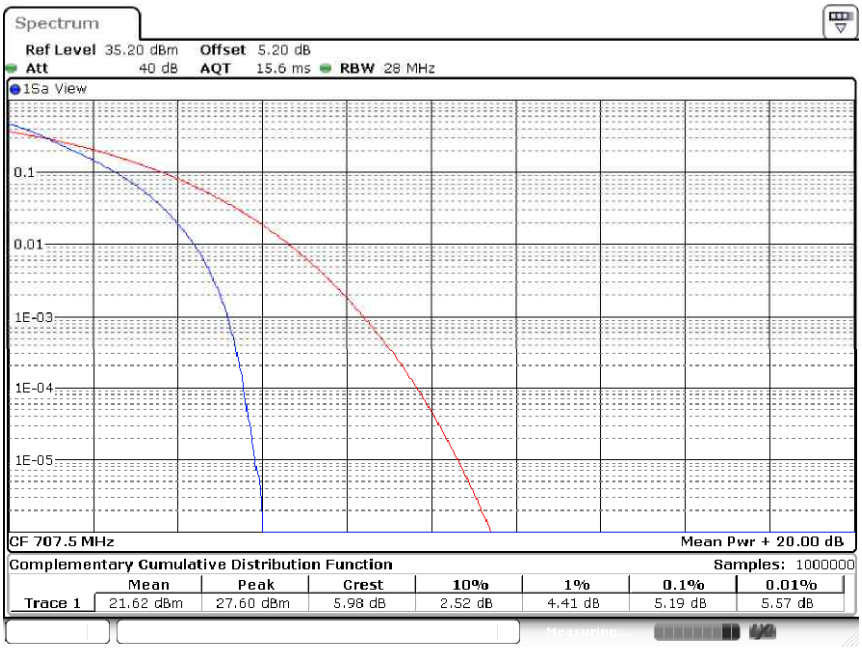
Band12-10MHz-QPSK-23095-50RB#0



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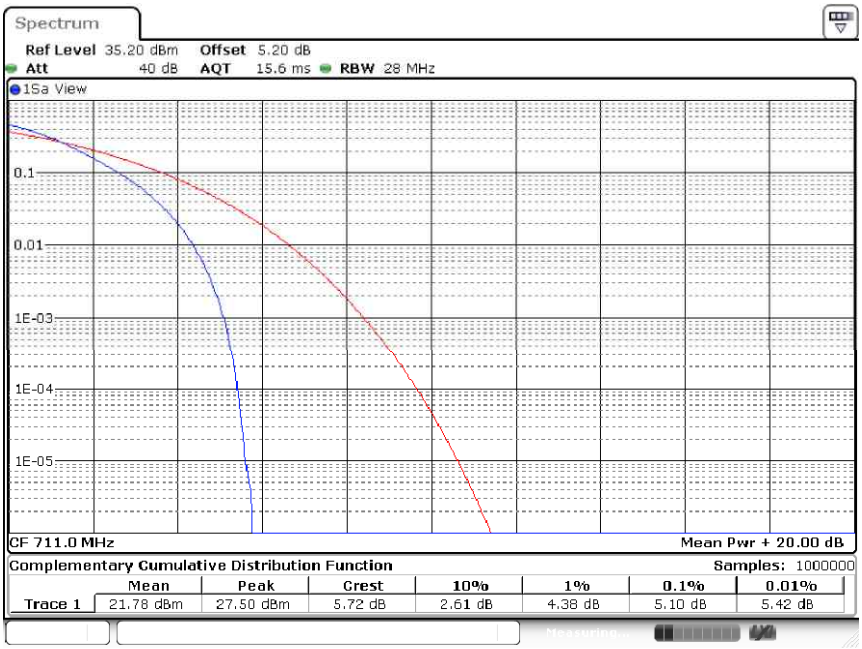
Band12-10MHz-QPSK-23130-50RB#0



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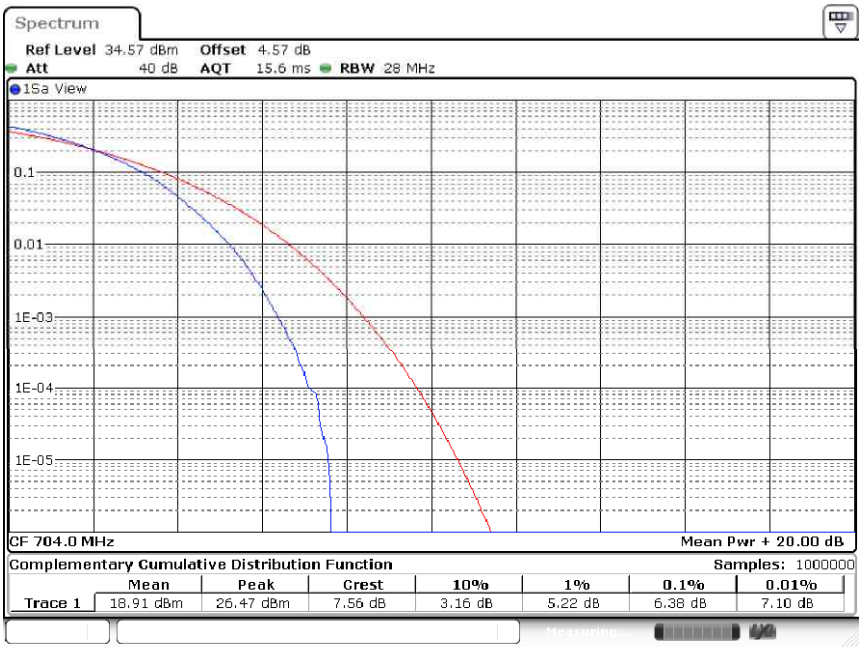

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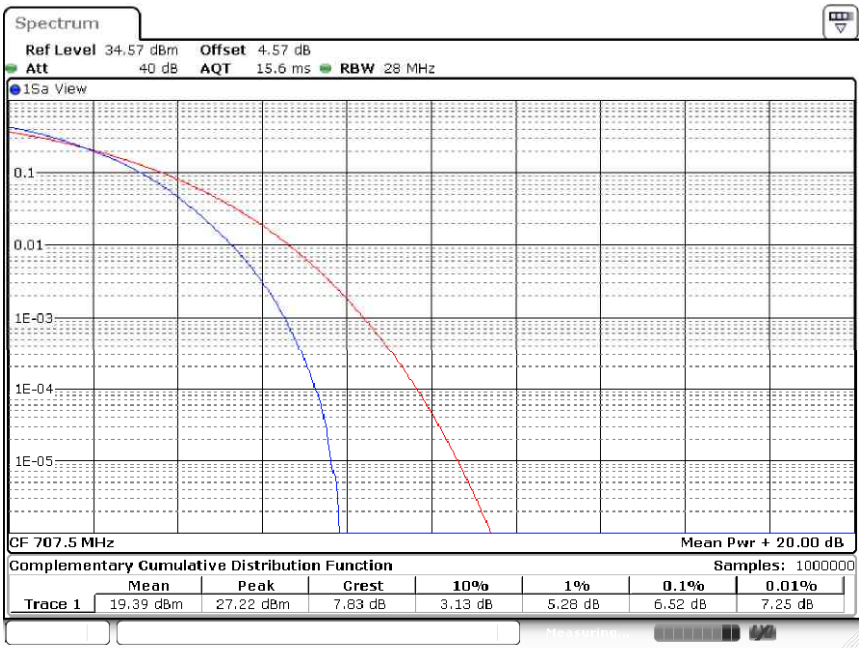
Band12-10MHz-64QAM-23095-50RB#0



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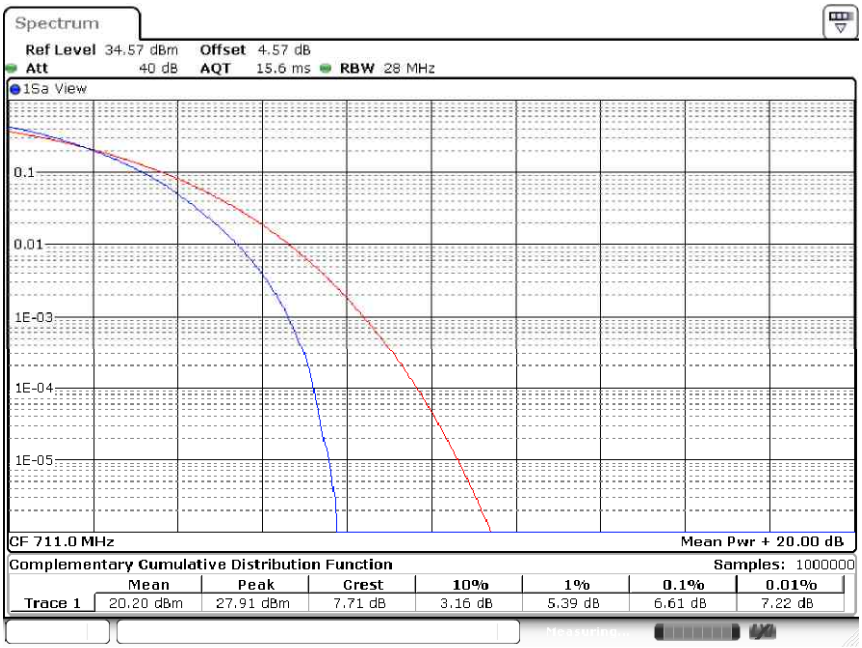
Band12-10MHz-64QAM-23130-50RB#0



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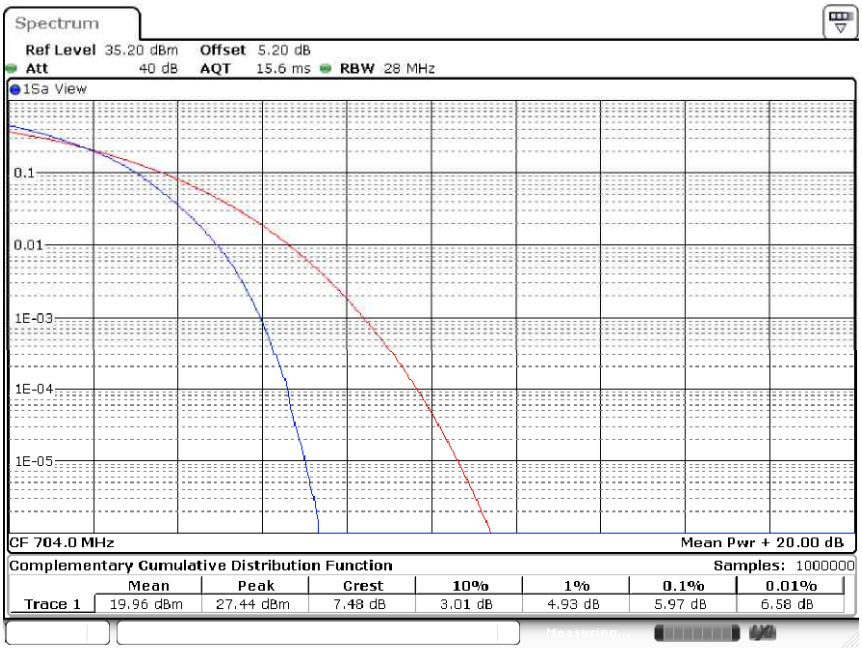
Band12-10MHz-16QAM-23060-50RB#0



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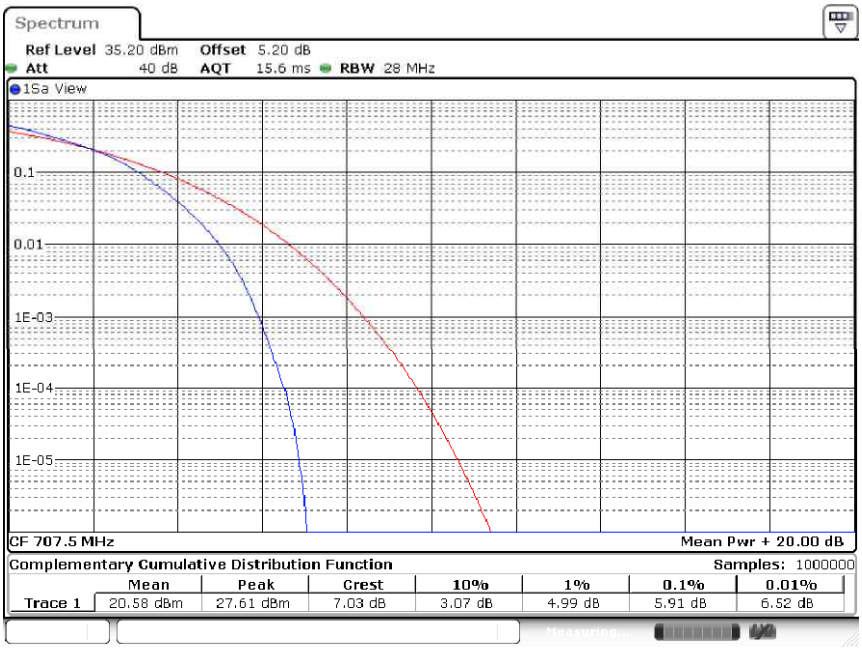
Band12-10MHz-16QAM-23095-50RB#0



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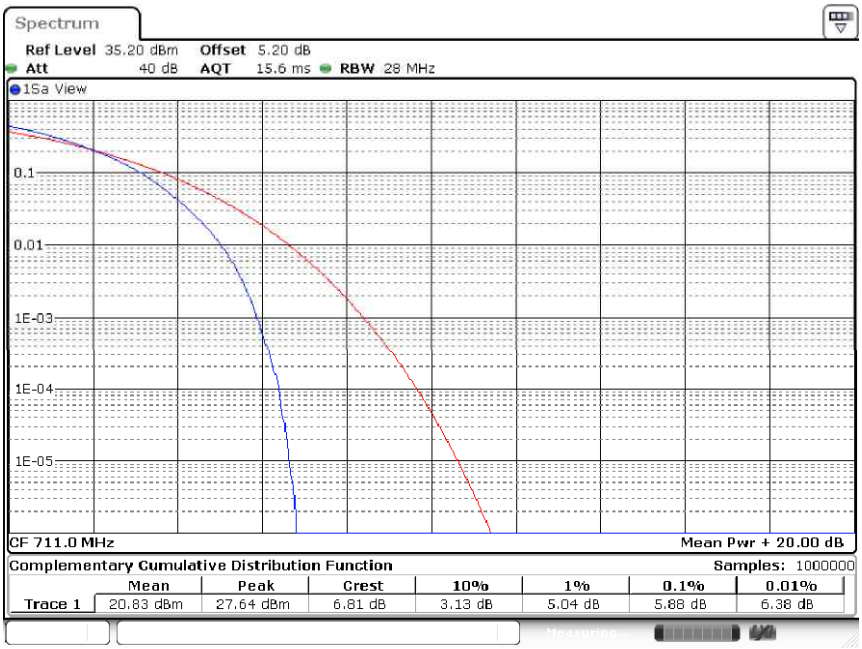
Band12-10MHz-16QAM-23130-50RB#0



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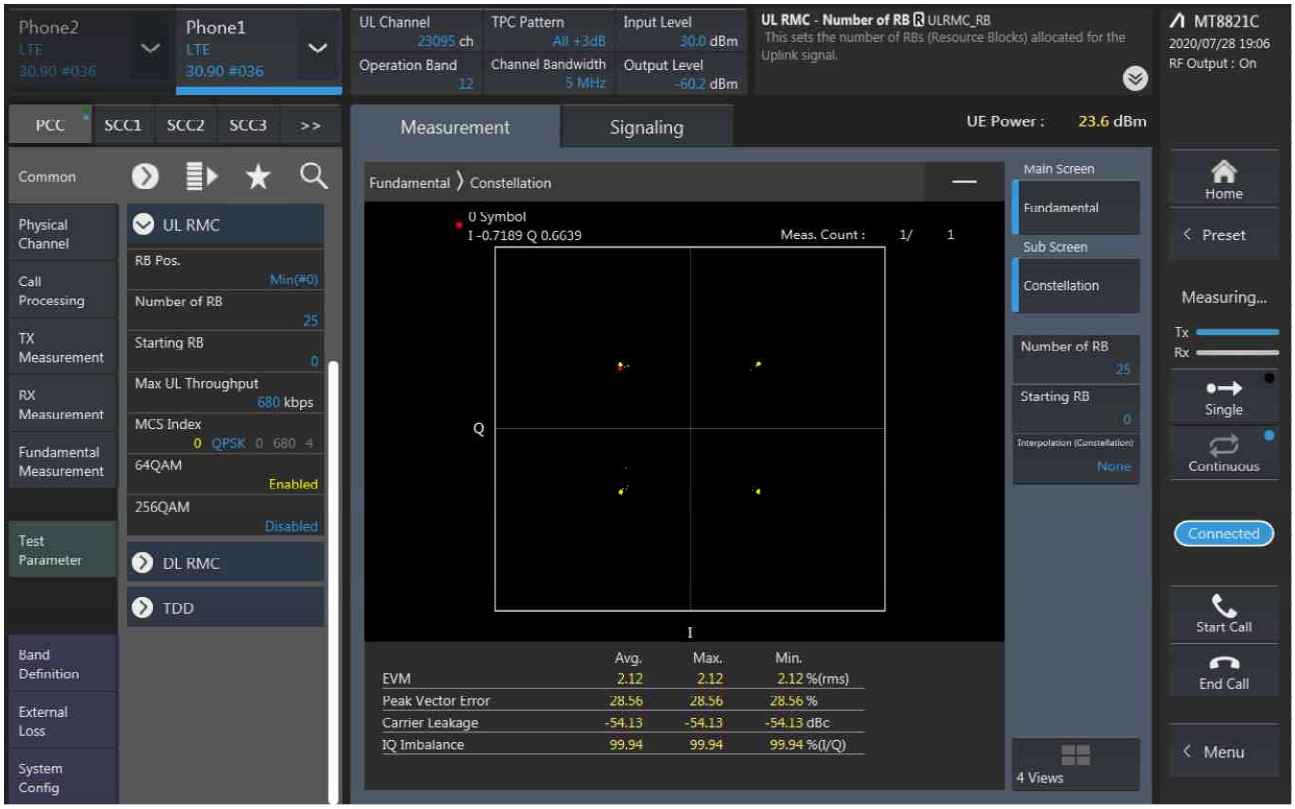
3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 10MHz

3.1.1.Test Channel = MCH



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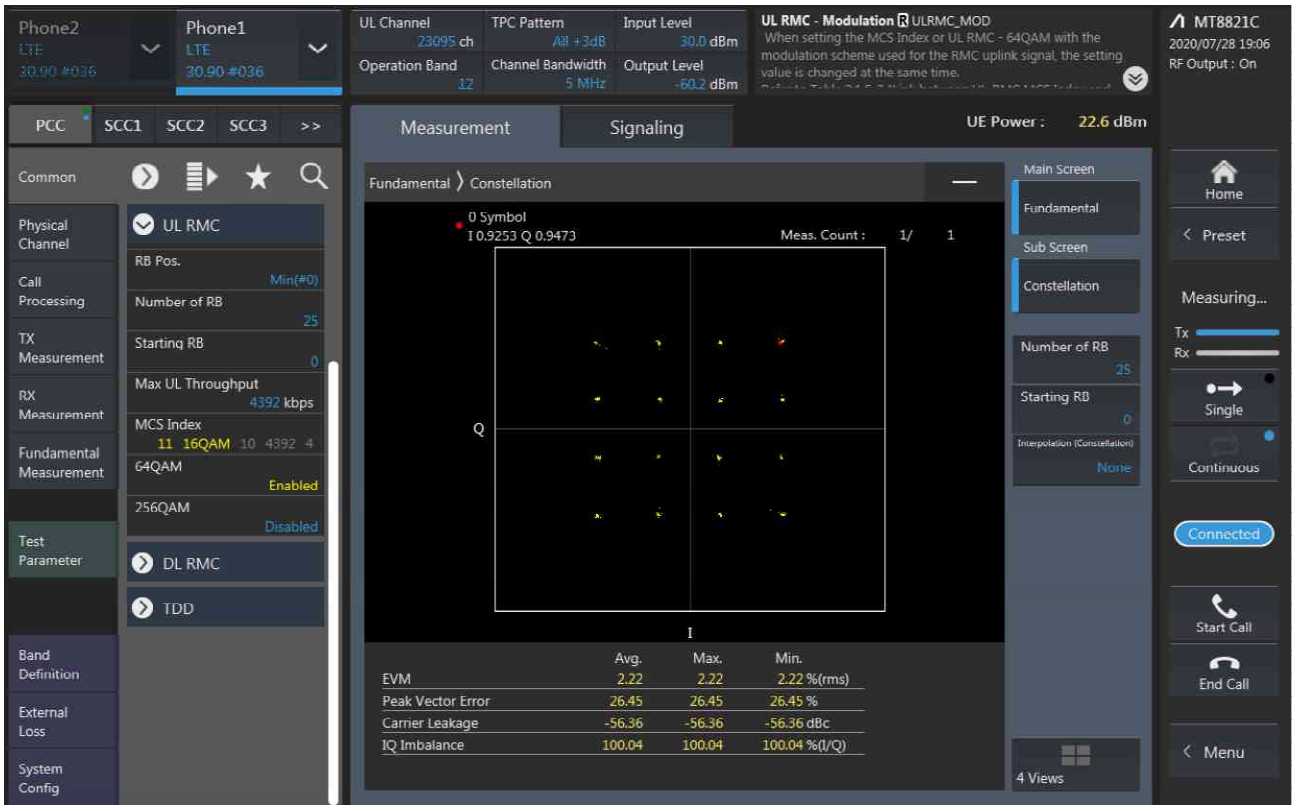
3.2. Test Mode = LTE /TM2 10MHz

3.2.1.Test Channel = MCH



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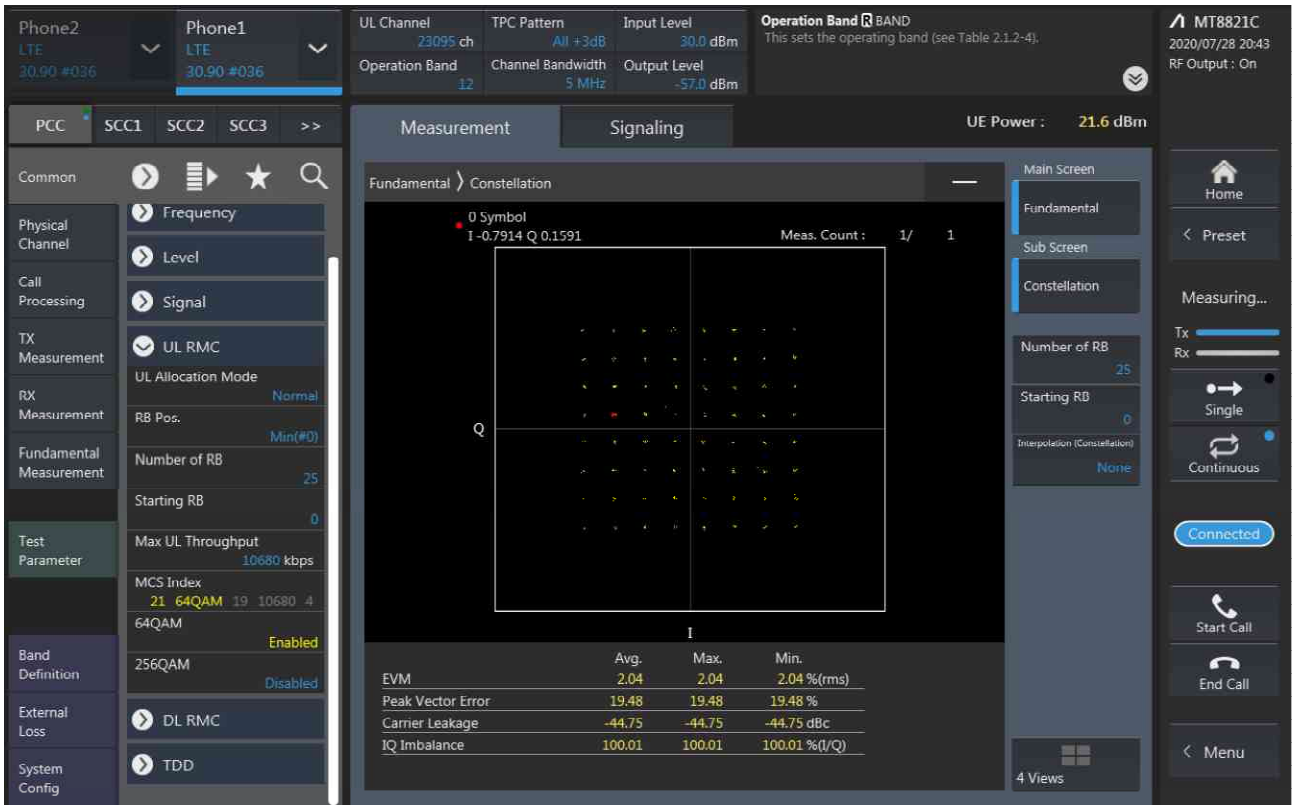
3.3. Test Mode = LTE /TM3 10MHz

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	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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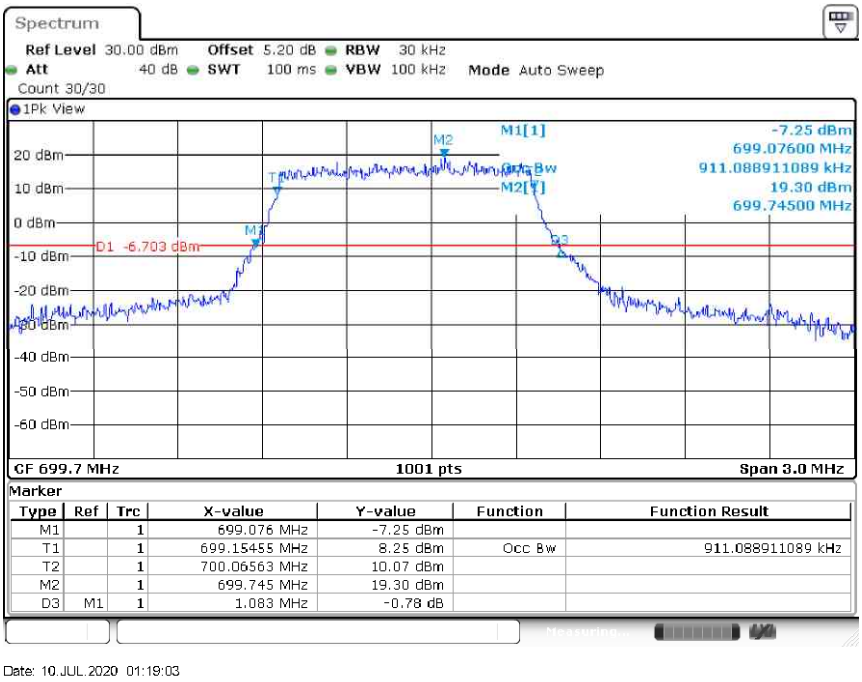
Band12	10MHz	64QAM	23095	50RB#0	8.911	9.720	PASS
Band12	10MHz	64QAM	23130	50RB#0	8.991	10.060	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.891	9.740	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.951	9.960	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.951	9.840	PASS

4.2. Test Plots

Band12-1.4MHz-QPSK-23017-6RB#0-0.911



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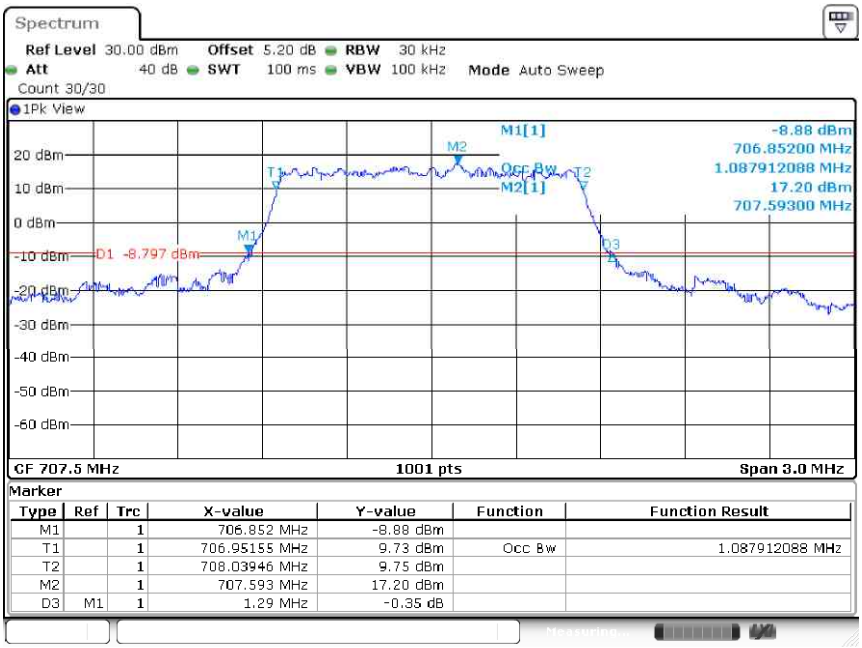
Band12-1.4MHz-QPSK-23095-6RB#0-1.088



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	706.852 MHz	-8.88 dBm		
T1		1	706.95155 MHz	9.73 dBm	Occ Bw	1.087912088 MHz
T2		1	708.03946 MHz	9.75 dBm		
M2		1	707.593 MHz	17.20 dBm		
D3	M1	1	1.29 MHz	-0.35 dB		

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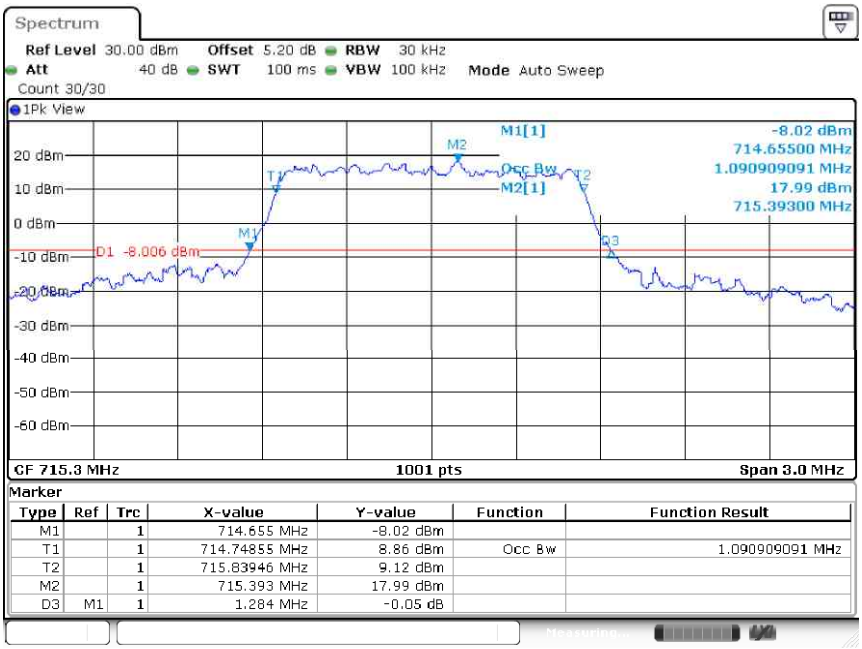
Band12-1.4MHz-QPSK-23173-6RB#0-1.091



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	714.655 MHz	-8.02 dBm		
T1		1	714.74855 MHz	8.86 dBm	Occ Bw	1.090909091 MHz
T2		1	715.83946 MHz	9.12 dBm		
M2		1	715.393 MHz	17.99 dBm		
D3	M1	1	1.284 MHz	-0.05 dB		

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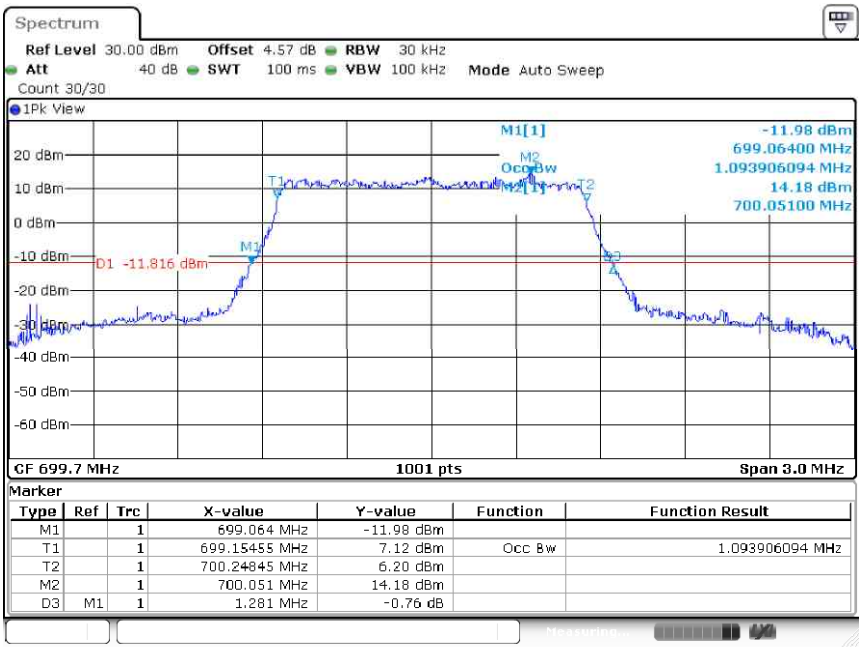
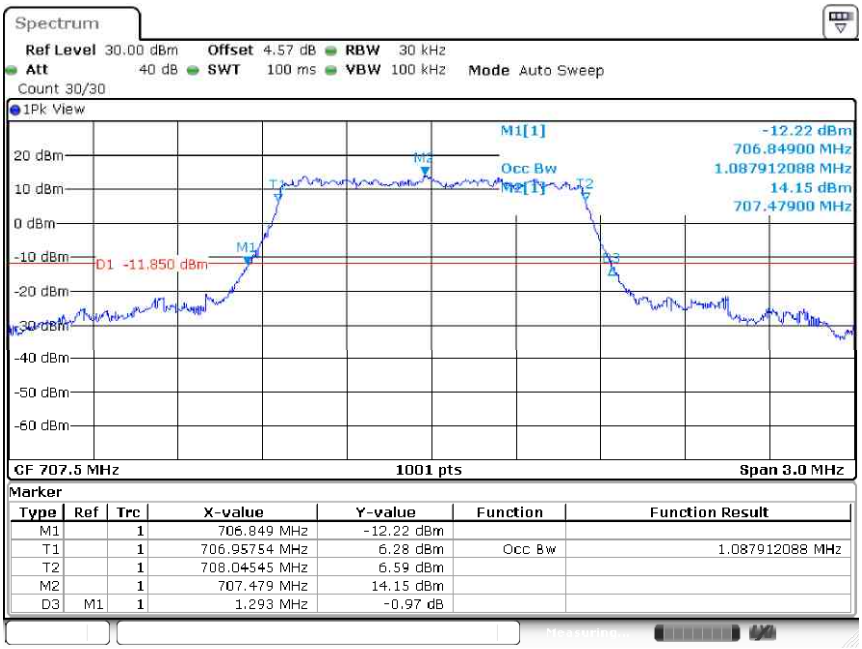
Band12-1.4MHz-64QAM-23017-6RB#0-1.094



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



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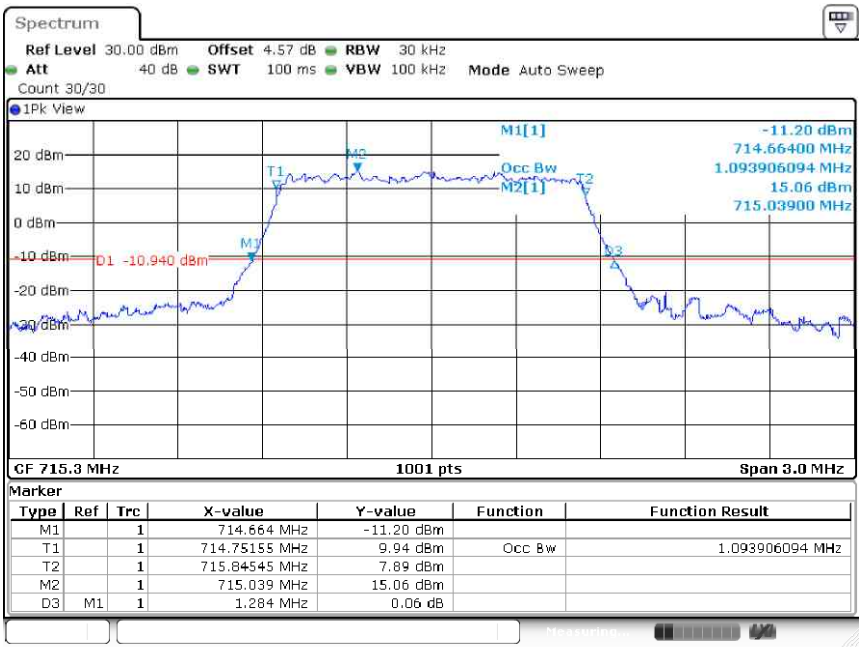

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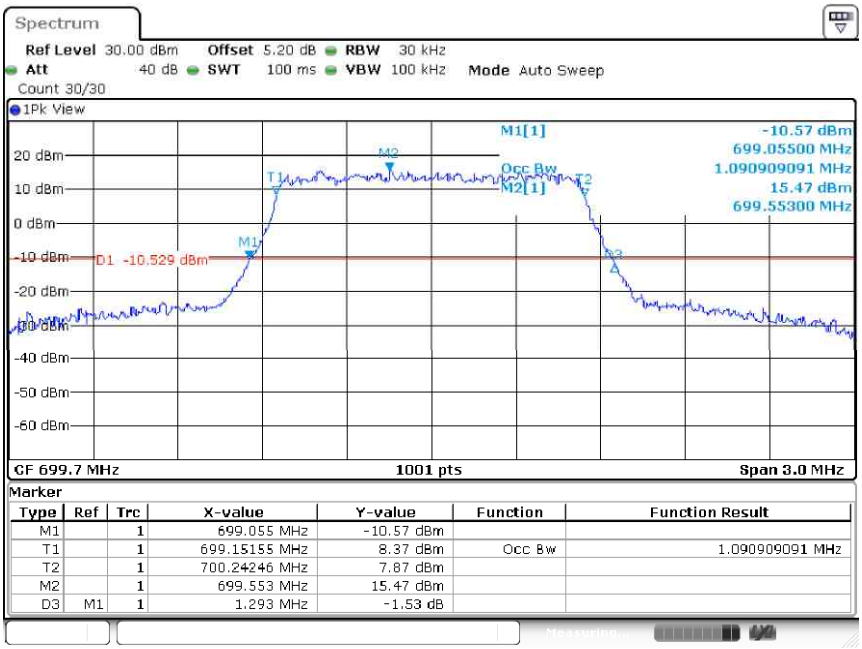

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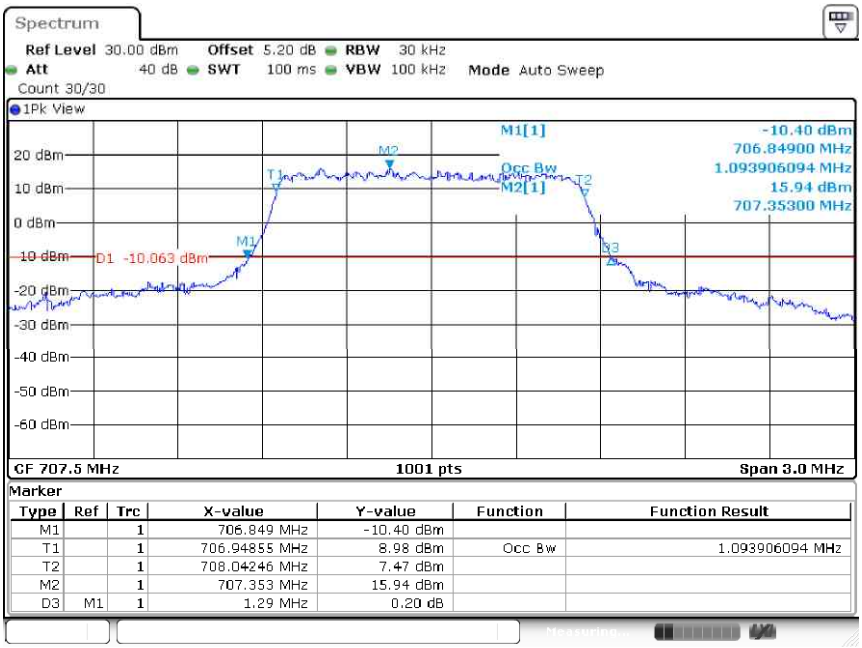
Band12-1.4MHz-16QAM-23095-6RB#0-1.094

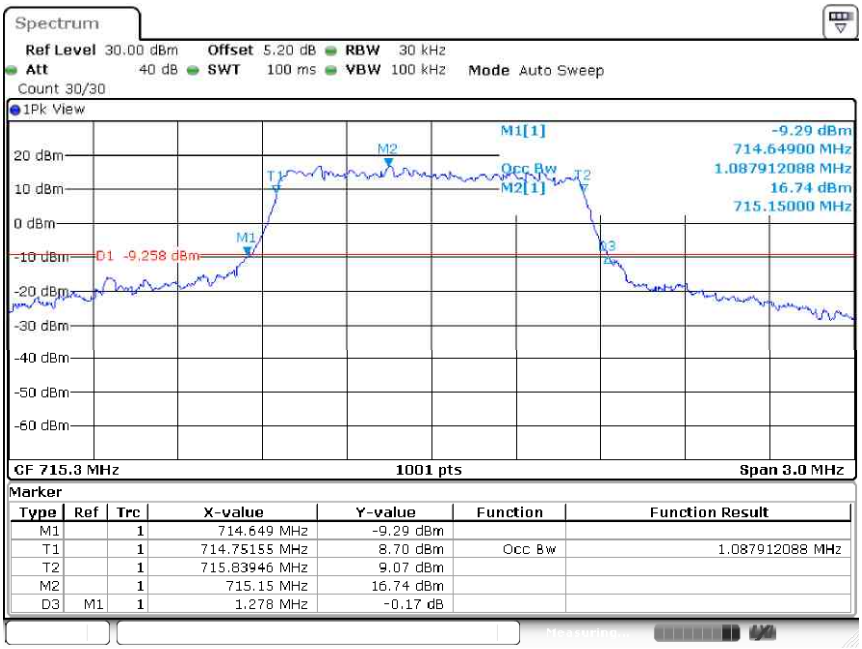


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	706.849 MHz	-10.40 dBm		
T1		1	706.94855 MHz	8.98 dBm	Occ Bw	1.093906094 MHz
T2		1	708.04246 MHz	7.47 dBm		
M2		1	707.353 MHz	15.94 dBm		
D3	M1	1	1.29 MHz	0.20 dB		

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

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



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	714.649 MHz	-9.29 dBm		
T1		1	714.75155 MHz	8.70 dBm	Occ Bw	1.087912088 MHz
T2		1	715.83946 MHz	9.07 dBm		
M2		1	715.15 MHz	16.74 dBm		
D3	M1	1	1.278 MHz	-0.17 dB		

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

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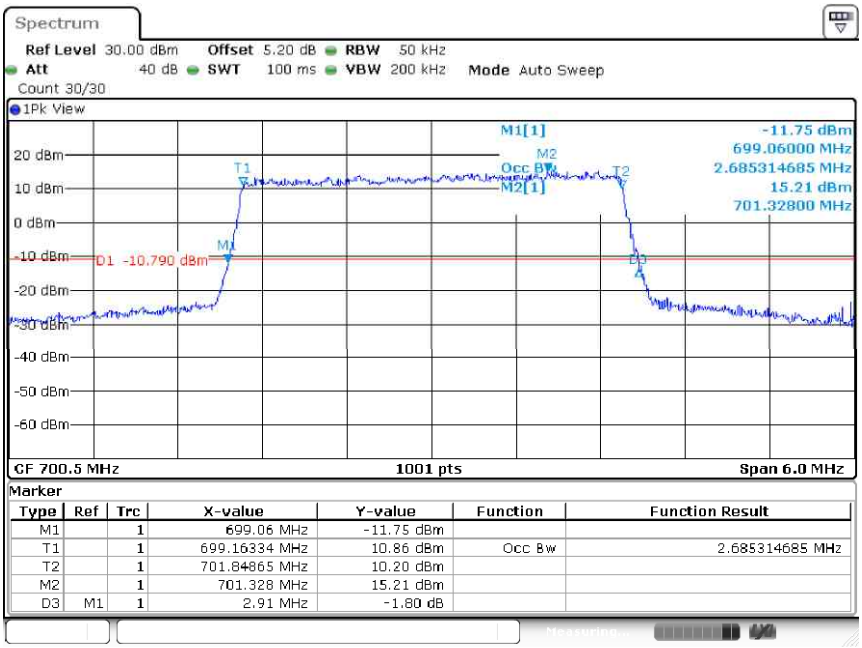
Band12-3MHz-QPSK-23025-15RB#0-2.685



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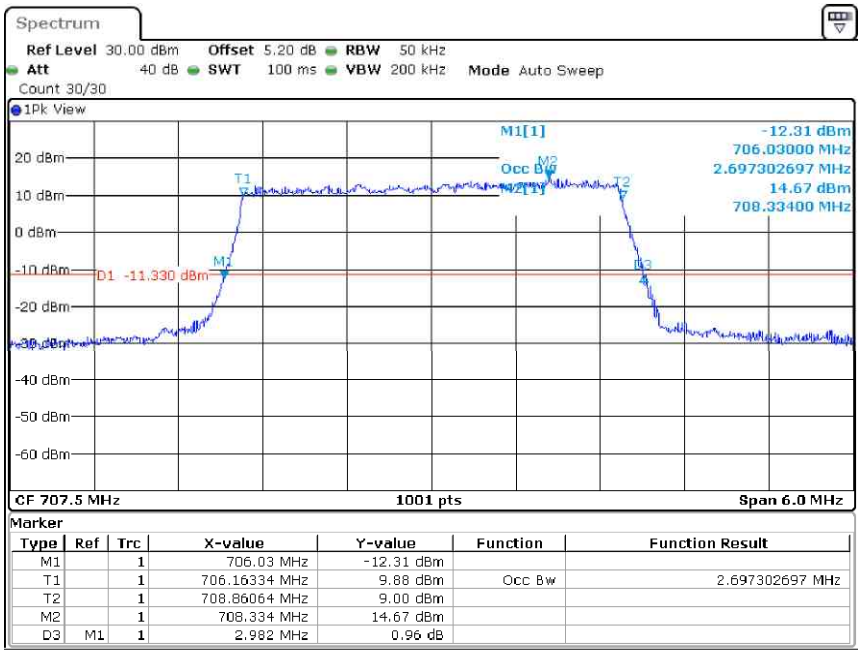
Band12-3MHz-QPSK-23095-15RB#0-2.697



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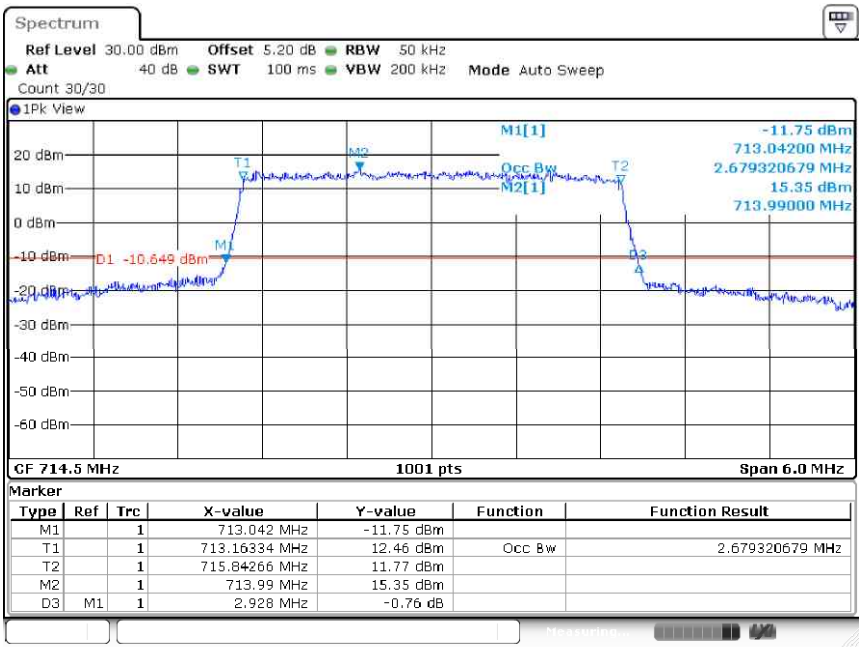
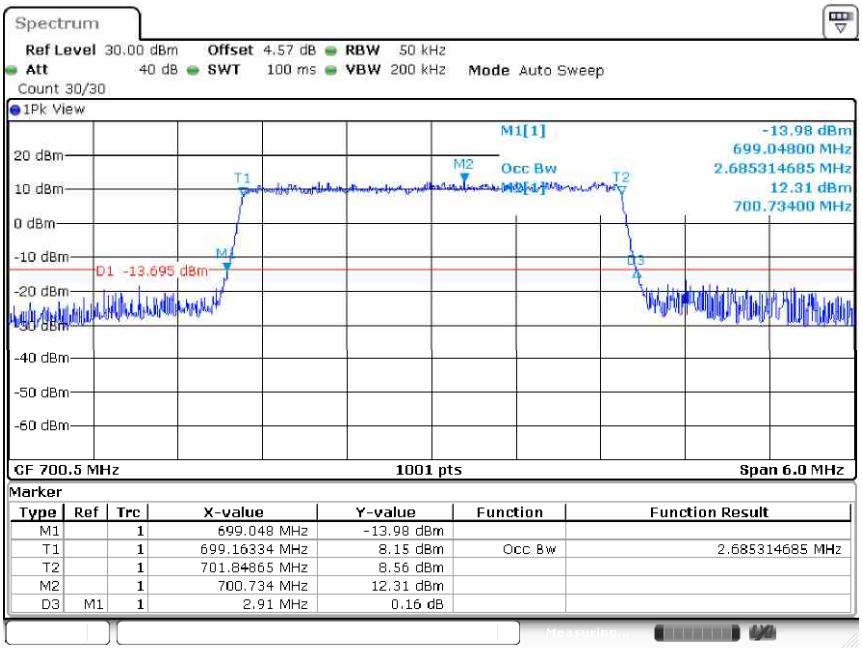
Band12-3MHz-QPSK-23165-15RB#0-2.679



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

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



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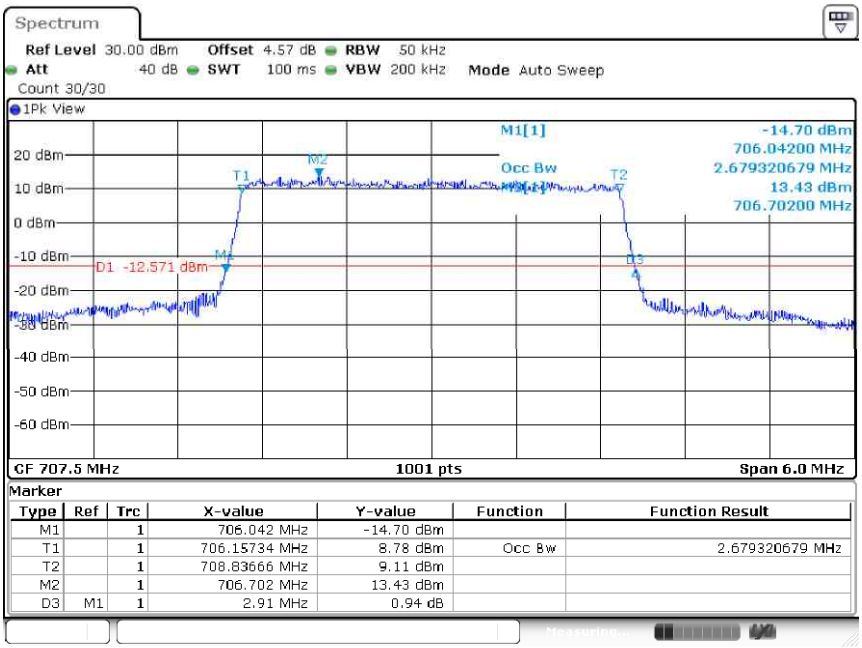
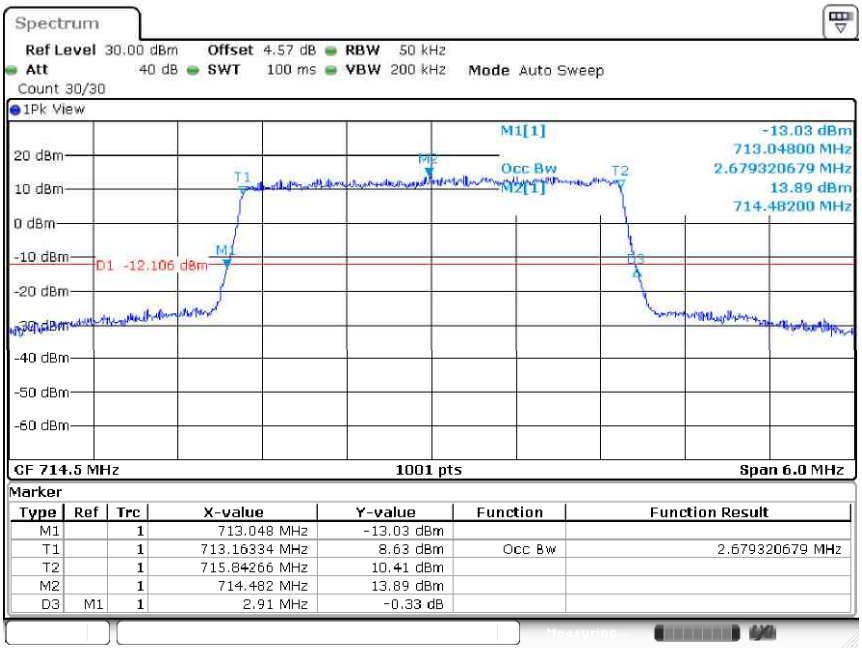
Band12-3MHz-64QAM-23095-15RB#0-2.679



Date: 14.JUL.2020 08:28:47

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



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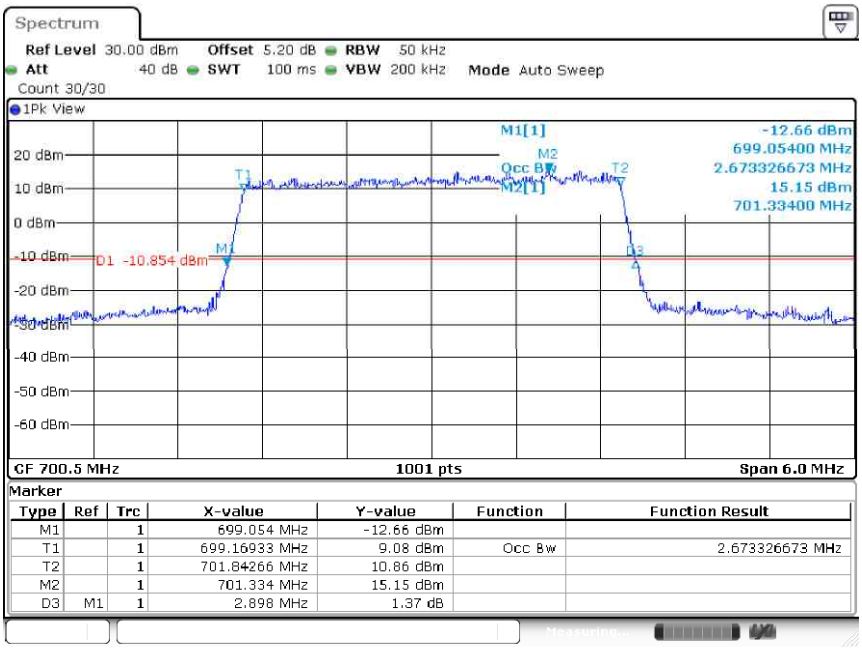
Band12-3MHz-16QAM-23025-15RB#0-2.673



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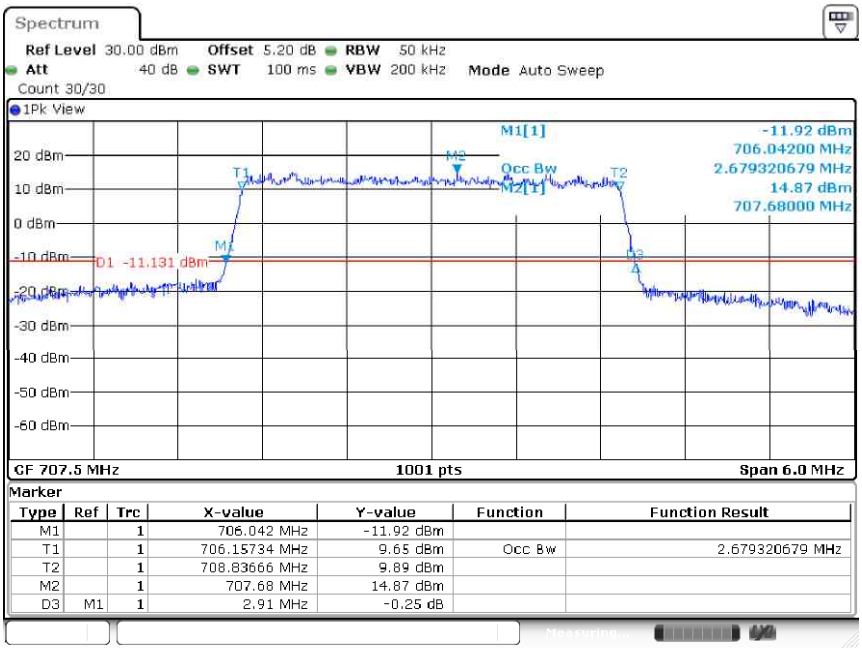
Band12-3MHz-16QAM-23095-15RB#0-2.679



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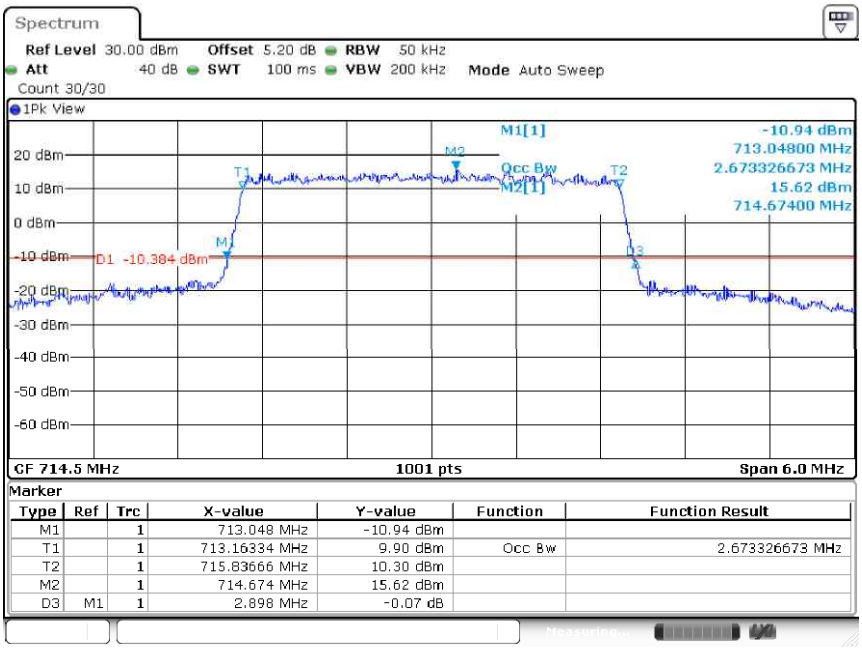
Band12-3MHz-16QAM-23165-15RB#0-2.673

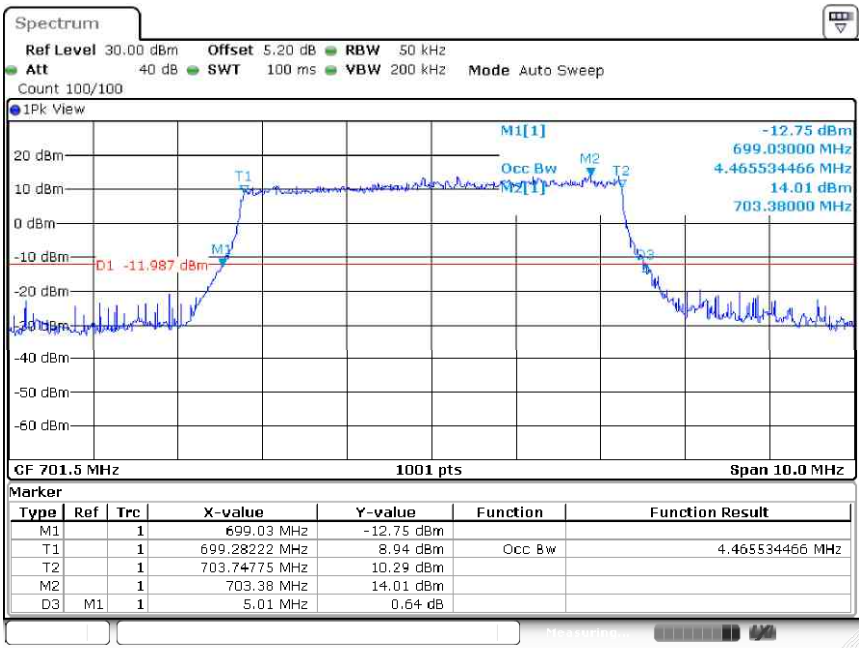


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	713.048 MHz	-10.94 dBm		
T1		1	713.16334 MHz	9.90 dBm	Occ Bw	2.673326673 MHz
T2		1	715.83666 MHz	10.30 dBm		
M2		1	714.674 MHz	15.62 dBm		
D3	M1	1	2.898 MHz	-0.07 dB		

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

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



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	699.03 MHz	-12.75 dBm		
T1		1	699.28222 MHz	8.94 dBm	Occ Bw	4.465534466 MHz
T2		1	703.74775 MHz	10.29 dBm		
M2		1	703.38 MHz	14.01 dBm		
D3	M1	1	5.01 MHz	0.64 dB		

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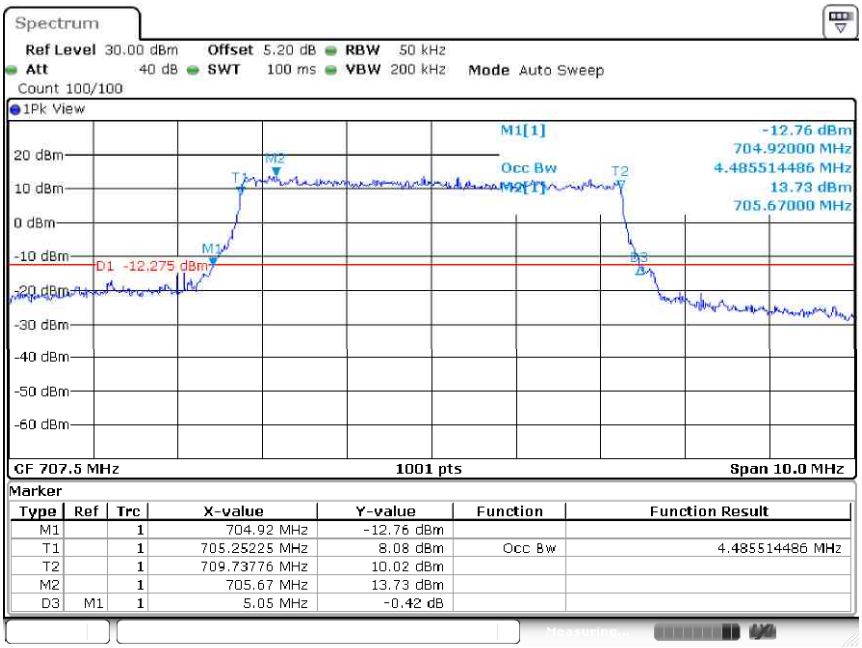
Band12-5MHz-QPSK-23095-25RB#0-4.486



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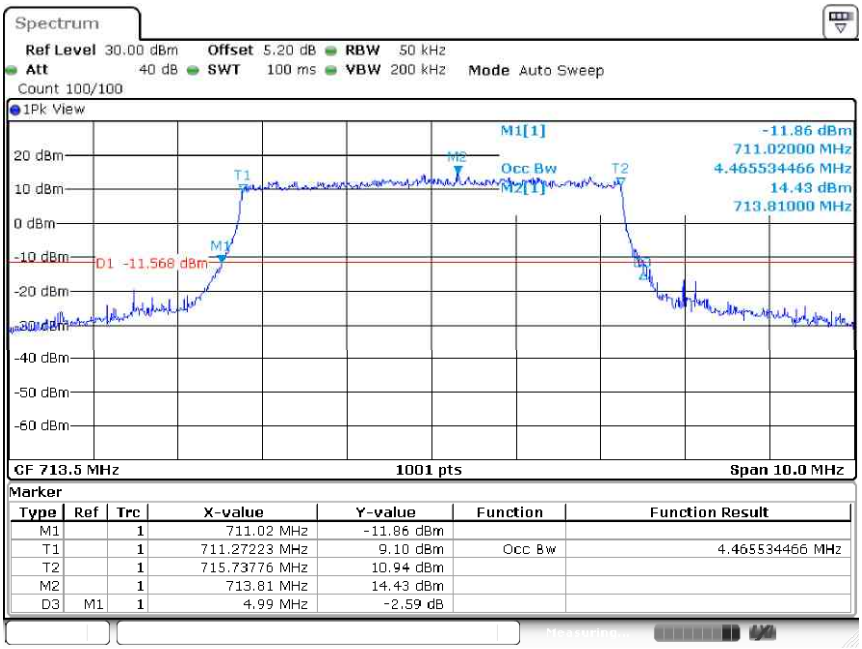
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	704.92 MHz	-12.76 dBm		
T1		1	705.25225 MHz	8.08 dBm	Occ Bw	4.485514486 MHz
T2		1	709.73776 MHz	10.02 dBm		
M2		1	705.67 MHz	13.73 dBm		
D3	M1	1	5.05 MHz	-0.42 dB		

Date: 10.JUL.2020 01:22:31

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



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	711.02 MHz	-11.86 dBm		
T1		1	711.27223 MHz	9.10 dBm	Occ Bw	4.465534466 MHz
T2		1	715.73776 MHz	10.94 dBm		
M2		1	713.81 MHz	14.43 dBm		
D3	M1	1	4.99 MHz	-2.59 dB		

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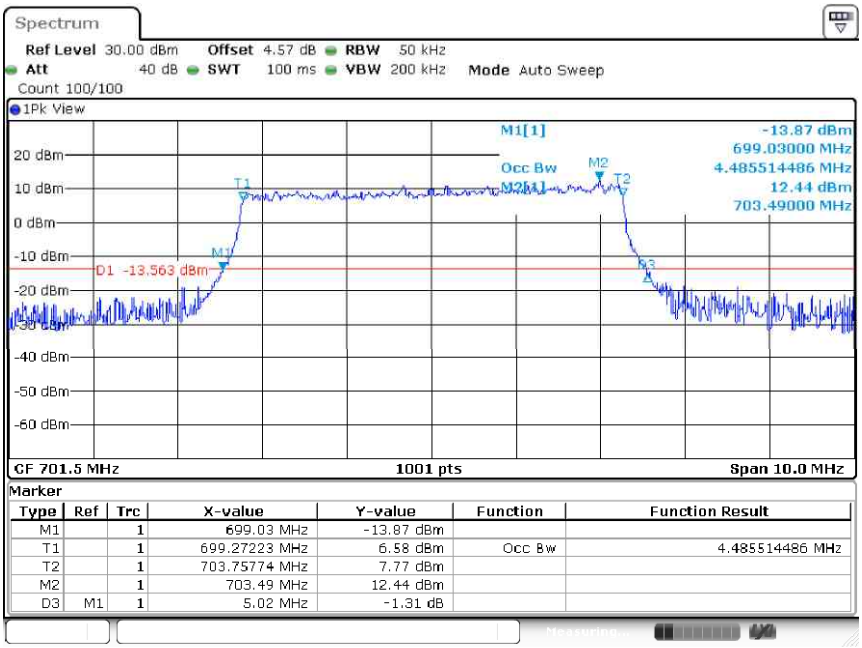
Band12-5MHz-64QAM-23035-25RB#0-4.486



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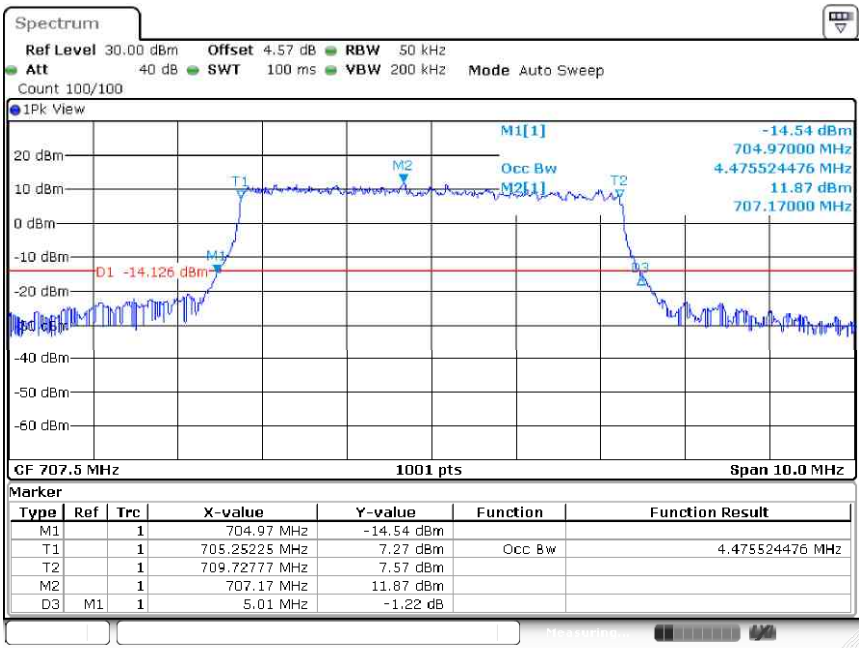
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	699.03 MHz	-13.87 dBm		
T1		1	699.27223 MHz	6.58 dBm	Occ Bw	4.485514486 MHz
T2		1	703.75774 MHz	7.77 dBm		
M2		1	703.49 MHz	12.44 dBm		
D3	M1	1	5.02 MHz	-1.31 dB		

Date: 14.JUL.2020 08:29:24

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



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	704.97 MHz	-14.54 dBm		
T1		1	705.25225 MHz	7.27 dBm	Occ Bw	4.475524476 MHz
T2		1	709.72777 MHz	7.57 dBm		
M2		1	707.17 MHz	11.87 dBm		
D3	M1	1	5.01 MHz	-1.22 dB		

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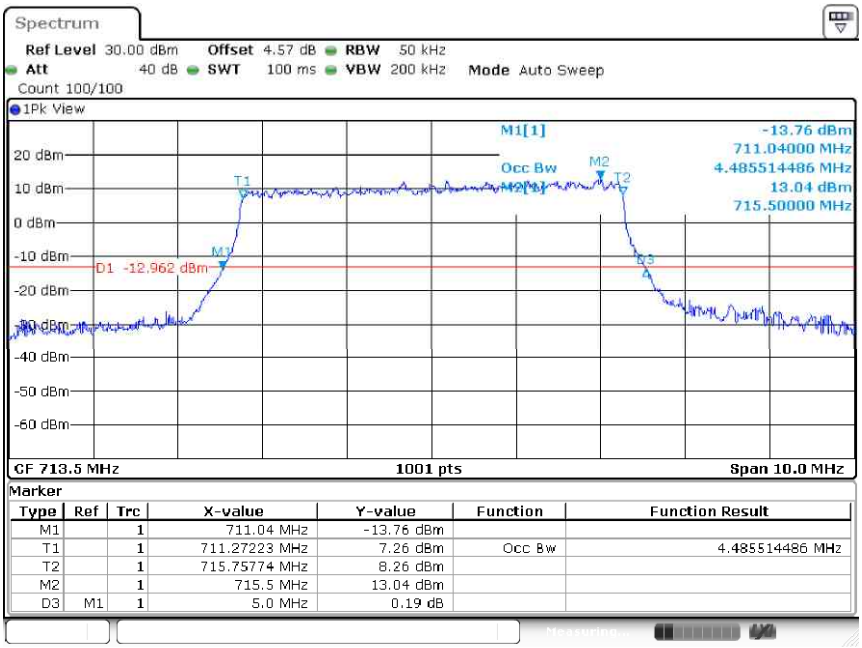
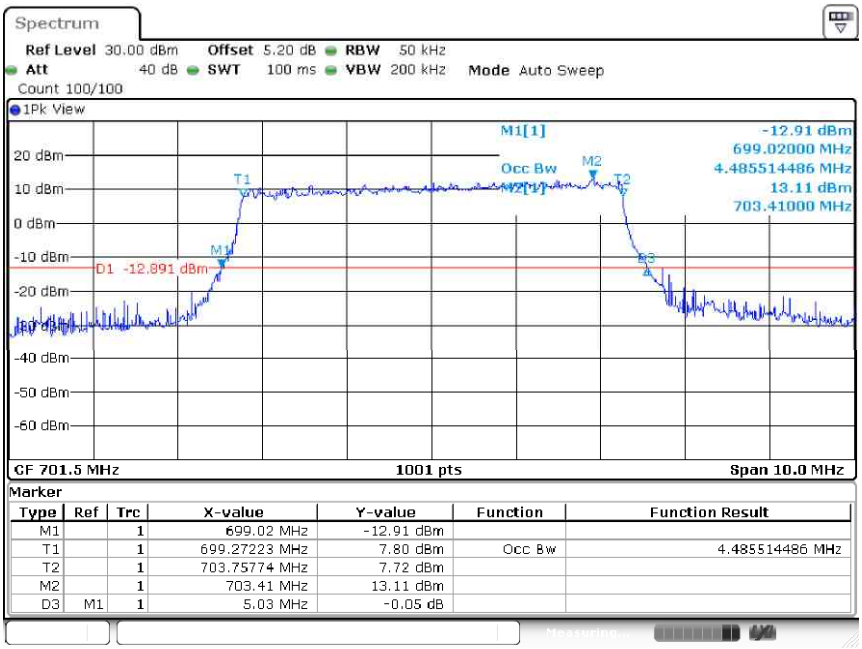
Band12-5MHz-64QAM-23155-25RB#0-4.486



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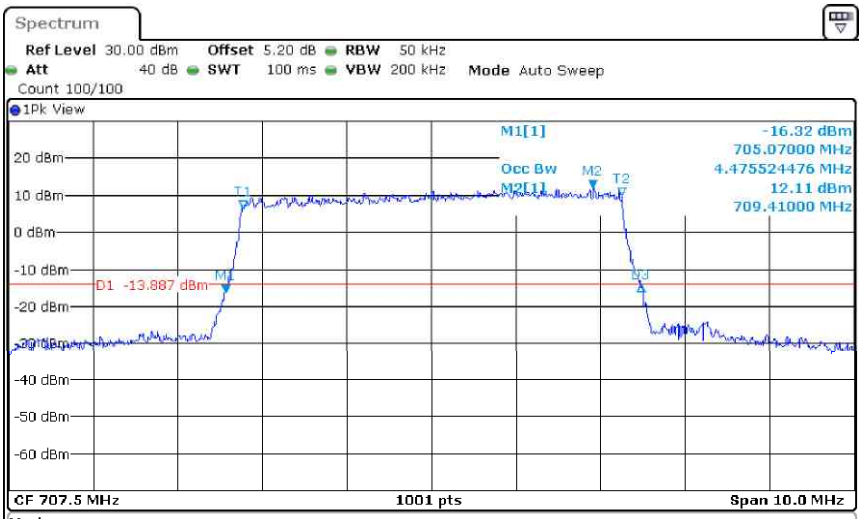
Band12-5MHz-16QAM-23095-25RB#0-4.476

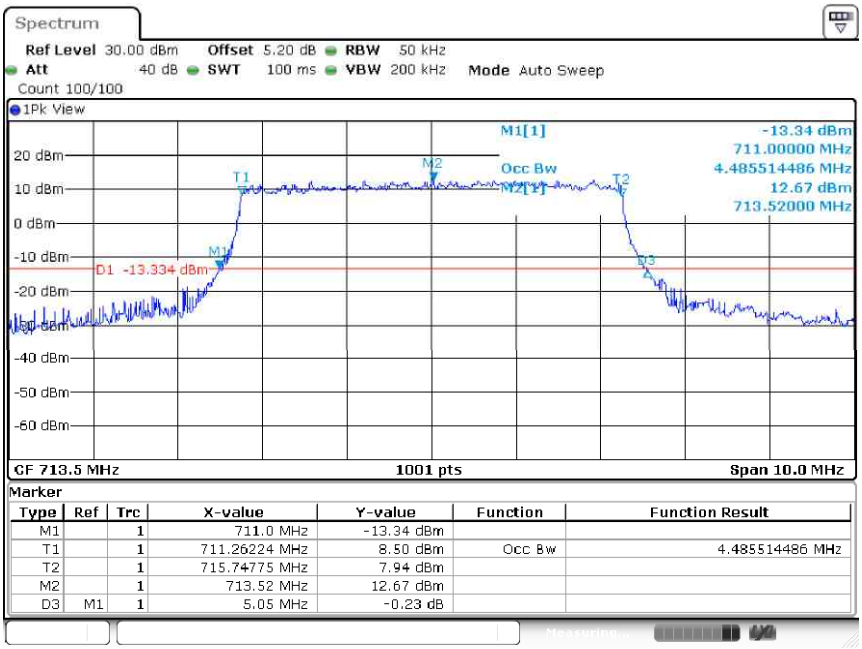


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	705.07 MHz	-16.32 dBm		
T1		1	705.27223 MHz	6.58 dBm	Occ Bw	4.475524476 MHz
T2		1	709.74775 MHz	9.82 dBm		
M2		1	709.41 MHz	12.11 dBm		
D3	M1	1	4.91 MHz	2.40 dB		

Date: 16.JUL.2020 01:33:17

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



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	711.0 MHz	-13.34 dBm		
T1		1	711.26224 MHz	8.50 dBm	Occ Bw	4.485514486 MHz
T2		1	715.74775 MHz	7.94 dBm		
M2		1	713.52 MHz	12.67 dBm		
D3	M1	1	5.05 MHz	-0.23 dB		

Date: 10.JUL.2020 01:23:30

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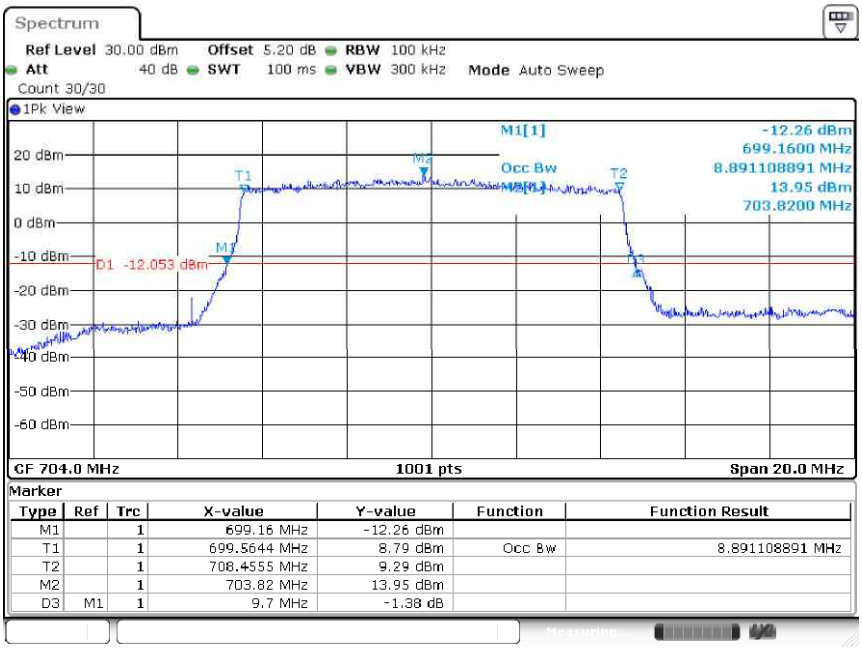
Band12-10MHz-QPSK-23060-50RB#0-8.891

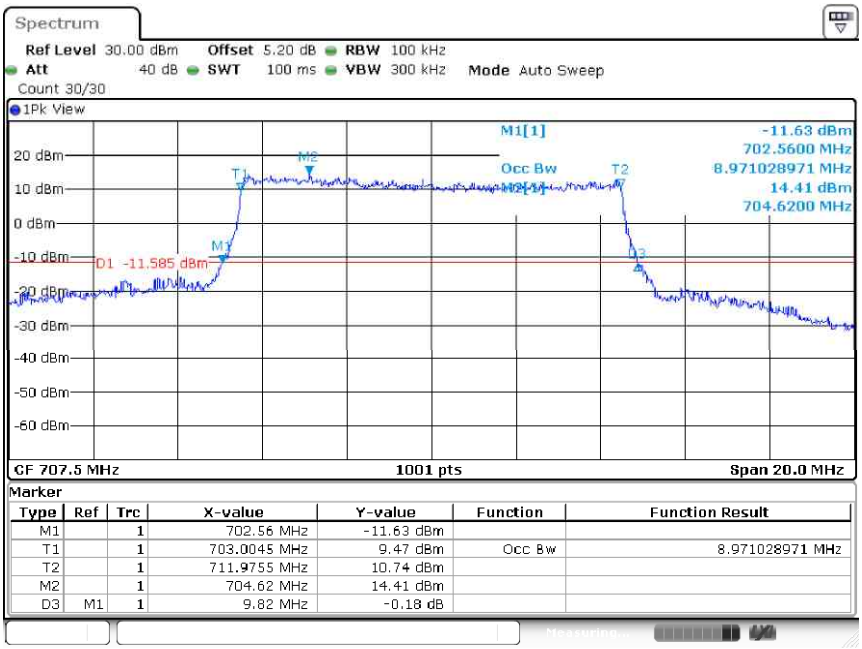


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	699.16 MHz	-12.26 dBm		
T1		1	699.5644 MHz	8.79 dBm	Occ Bw	8.891108891 MHz
T2		1	708.4555 MHz	9.29 dBm		
M2		1	703.82 MHz	13.95 dBm		
D3	M1	1	9.7 MHz	-1.38 dB		

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

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



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	702.56 MHz	-11.63 dBm		
T1		1	703.0045 MHz	9.47 dBm	Occ Bw	8.971028971 MHz
T2		1	711.9755 MHz	10.74 dBm		
M2		1	704.62 MHz	14.41 dBm		
D3	M1	1	9.82 MHz	-0.18 dB		

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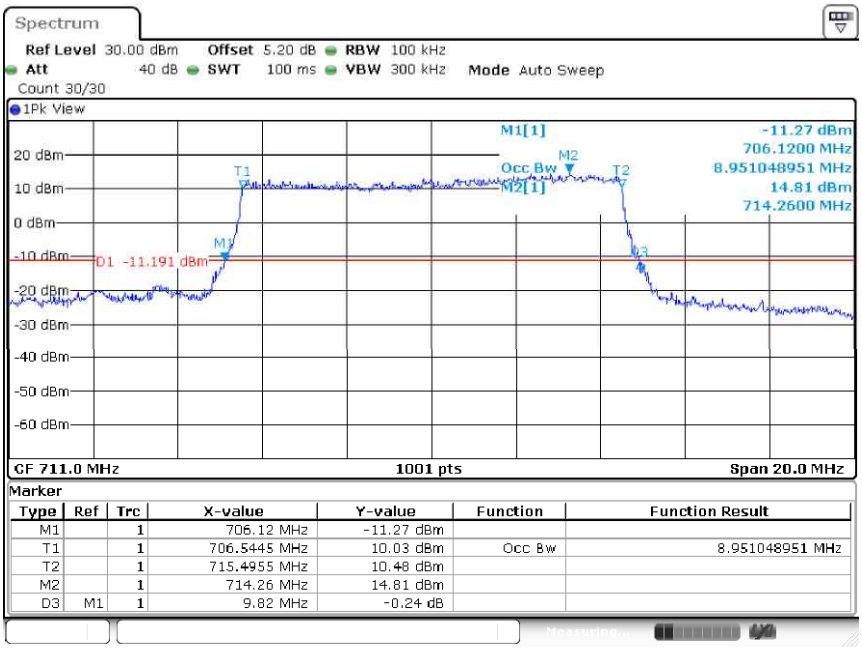
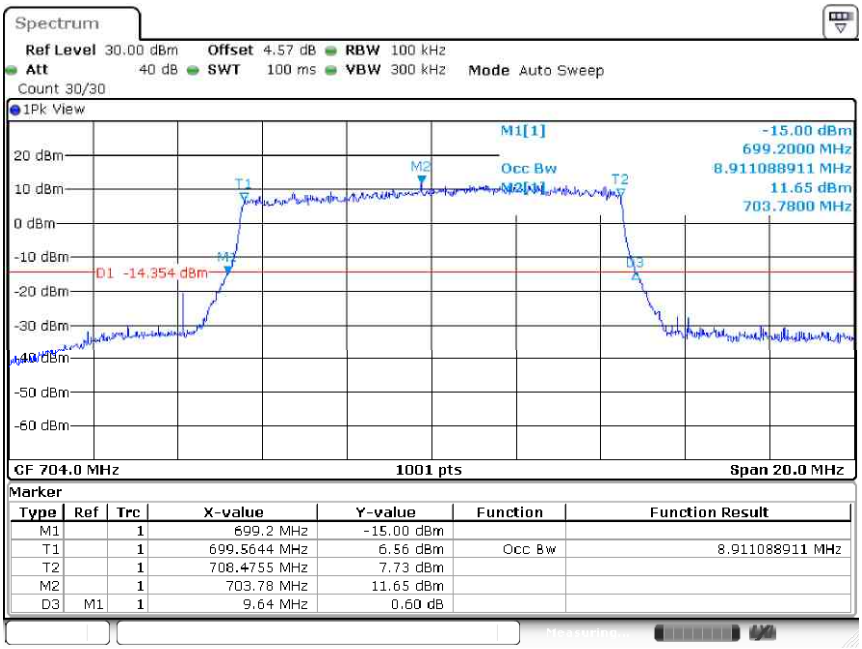
Band12-10MHz-QPSK-23130-50RB#0-8.951



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



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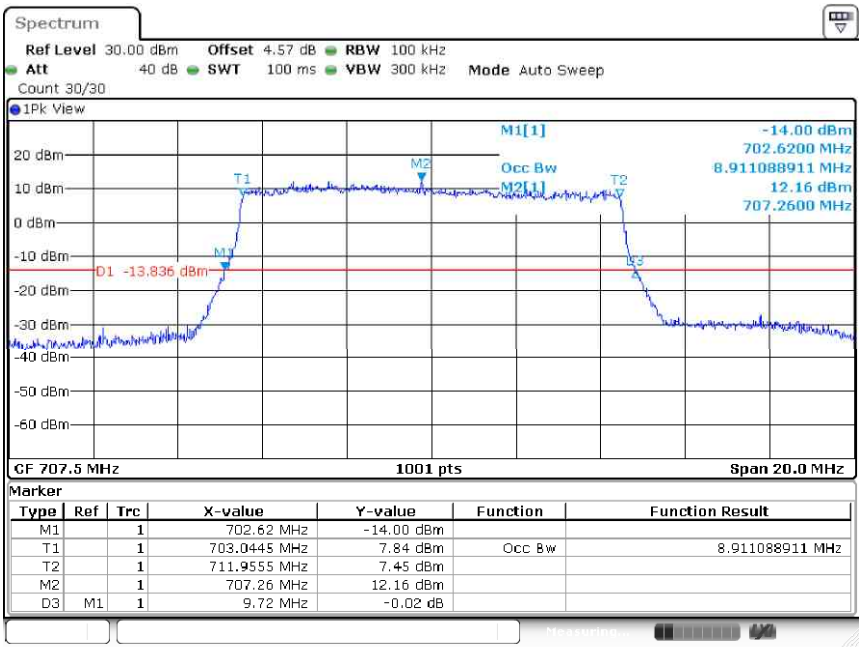

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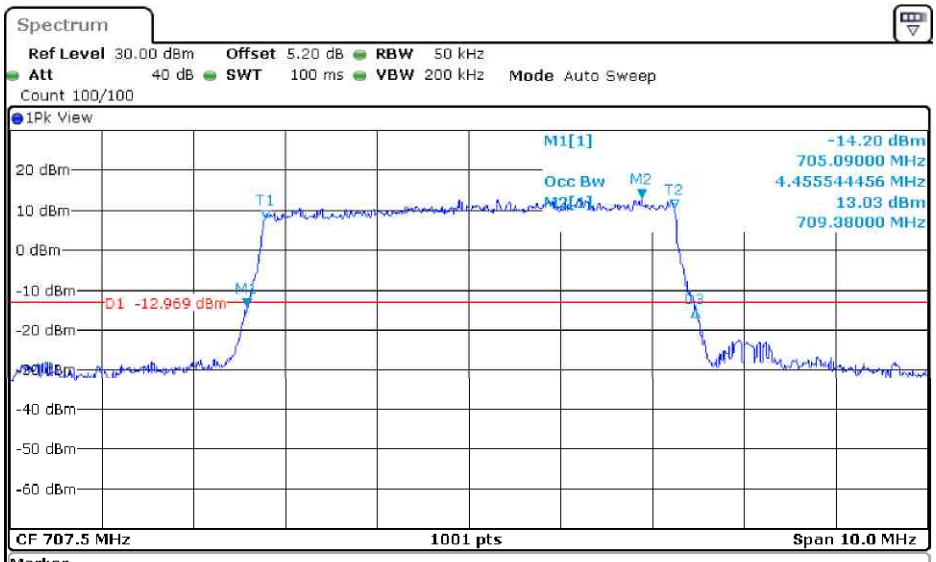
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	702.62 MHz	-14.00 dBm		
T1		1	703.0445 MHz	7.84 dBm	Occ Bw	8.911088911 MHz
T2		1	711.9555 MHz	7.45 dBm		
M2		1	707.26 MHz	12.16 dBm		
D3	M1	1	9.72 MHz	-0.02 dB		

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

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



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	705.09 MHz	-14.20 dBm		
T1		1	705.28222 MHz	7.88 dBm	Occ Bw	4.455544456 MHz
T2		1	709.73776 MHz	10.48 dBm		
M2		1	709.38 MHz	13.03 dBm		
D3	M1	1	4.87 MHz	-0.63 dB		

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

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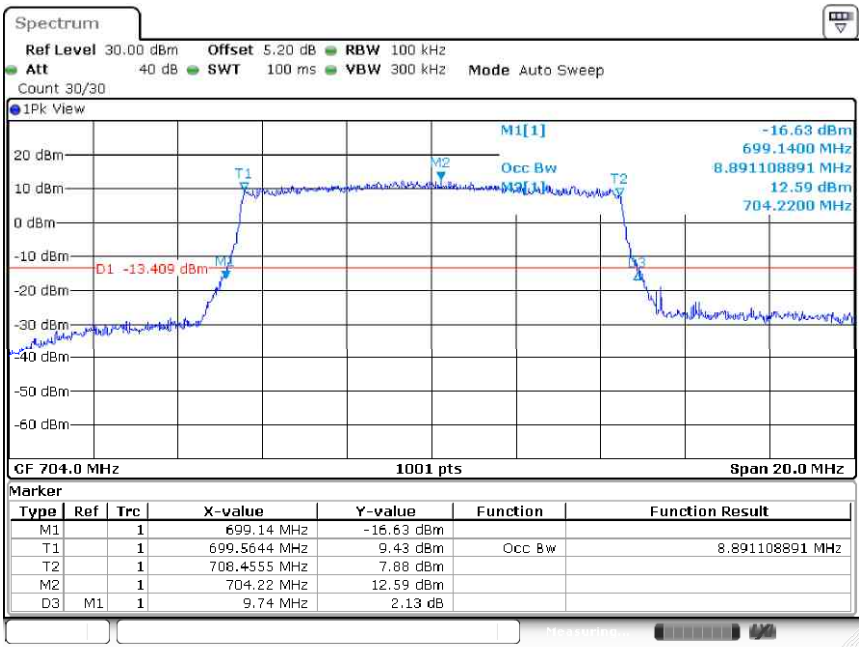

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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	699.14 MHz	-16.63 dBm		
T1		1	699.5644 MHz	9.43 dBm	Occ Bw	8.891108891 MHz
T2		1	708.4555 MHz	7.88 dBm		
M2		1	704.22 MHz	12.59 dBm		
D3	M1	1	9.74 MHz	2.13 dB		

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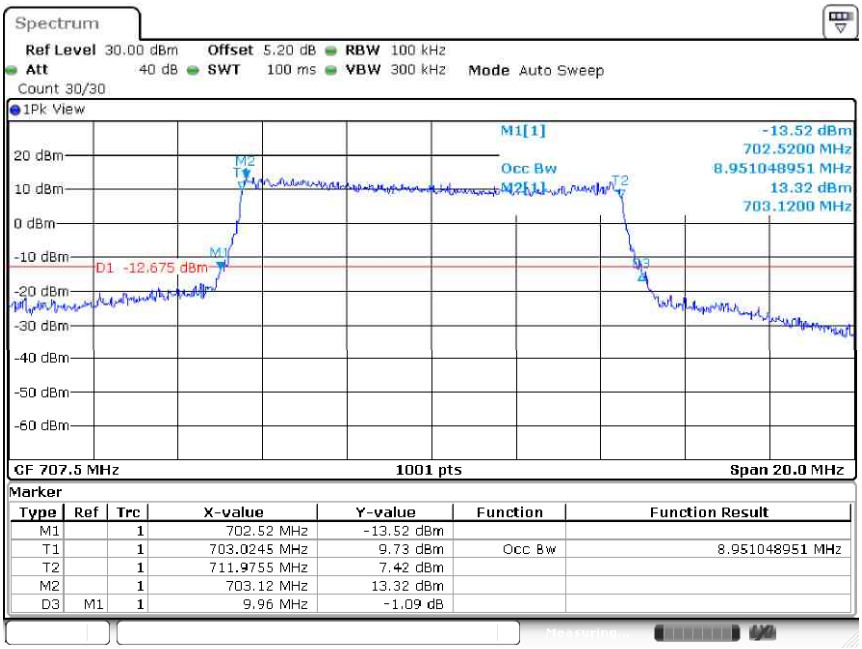
Band12-10MHz-16QAM-23095-50RB#0-8.951



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	702.52 MHz	-13.52 dBm		
T1		1	703.0245 MHz	9.73 dBm	Occ Bw	8.951048951 MHz
T2		1	711.9755 MHz	7.42 dBm		
M2		1	703.12 MHz	13.32 dBm		
D3	M1	1	9.96 MHz	-1.09 dB		

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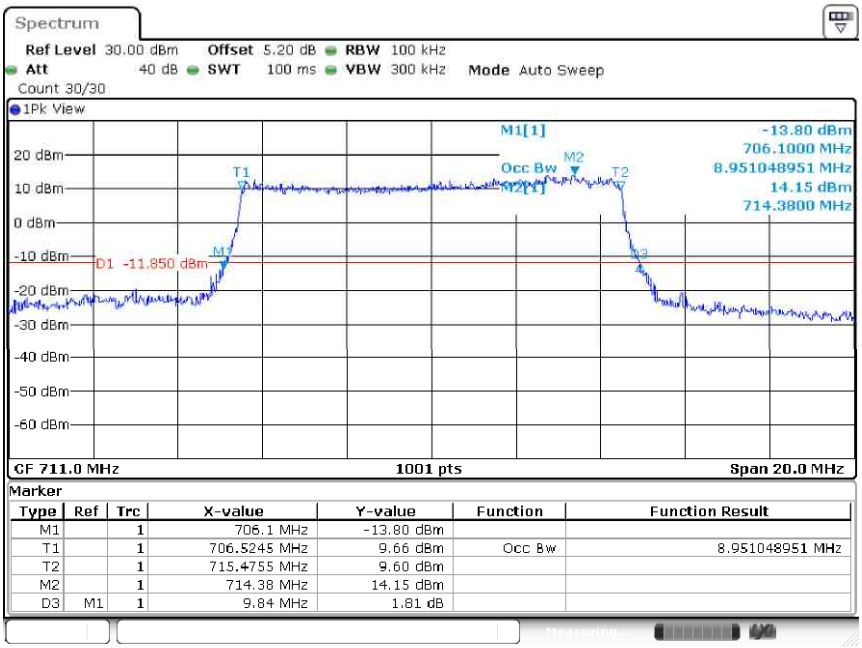

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5. Band Edge Compliance

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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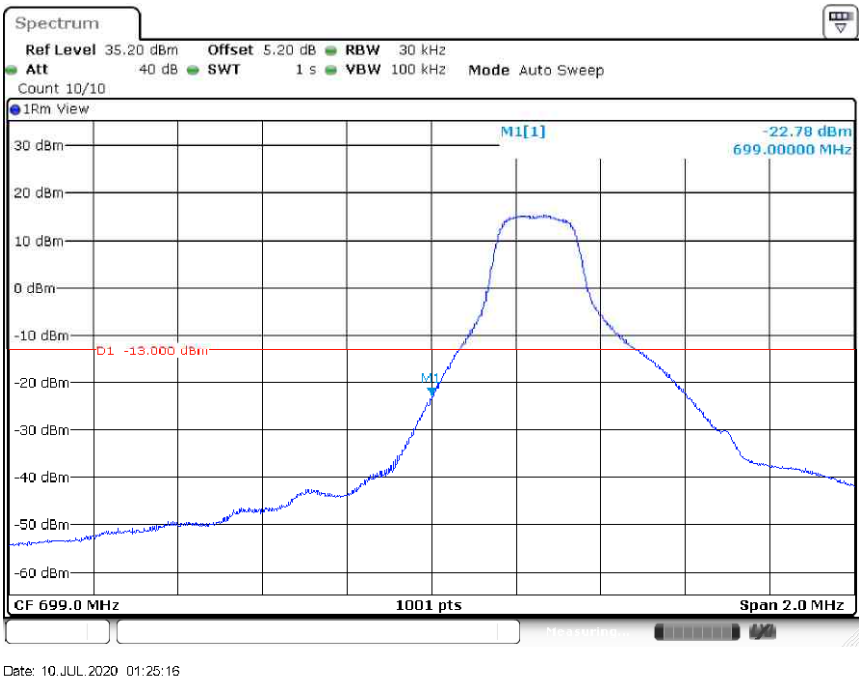
Band12	5MHz	16QAM	23035	1RB#0	-15.73	PASS
Band12	5MHz	16QAM	23035	25RB#0	-29.86	PASS
Band12	5MHz	16QAM	23155	1RB#24	-14.25	PASS
Band12	5MHz	16QAM	23155	25RB#0	-28.22	PASS
Band12	10MHz	QPSK	23060	1RB#0	-17.66	PASS
Band12	10MHz	QPSK	23060	50RB#0	-33.91	PASS
Band12	10MHz	QPSK	23130	1RB#49	-17.07	PASS
Band12	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-23017-1RB#0



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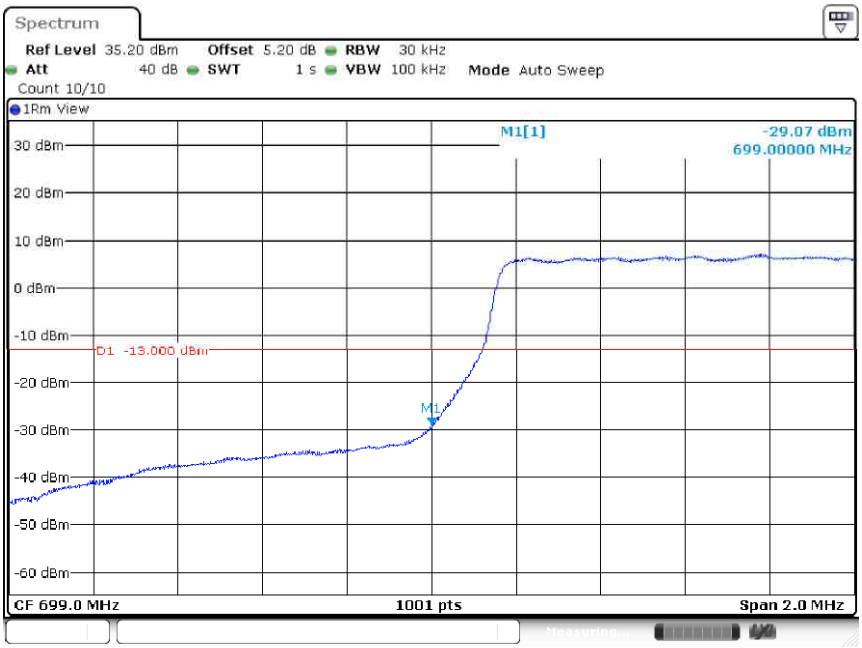
Band12-1.4MHz-QPSK-23017-6RB#0



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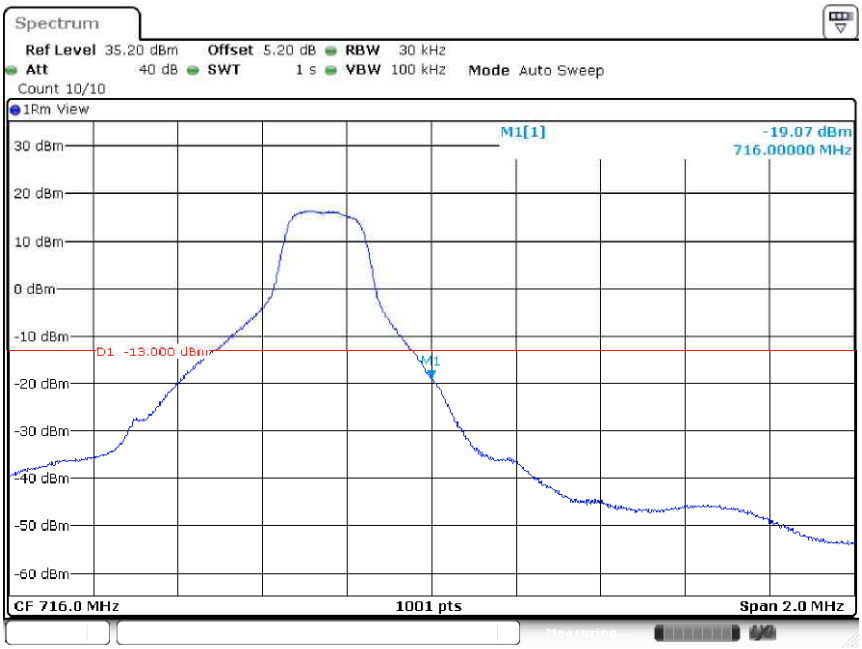

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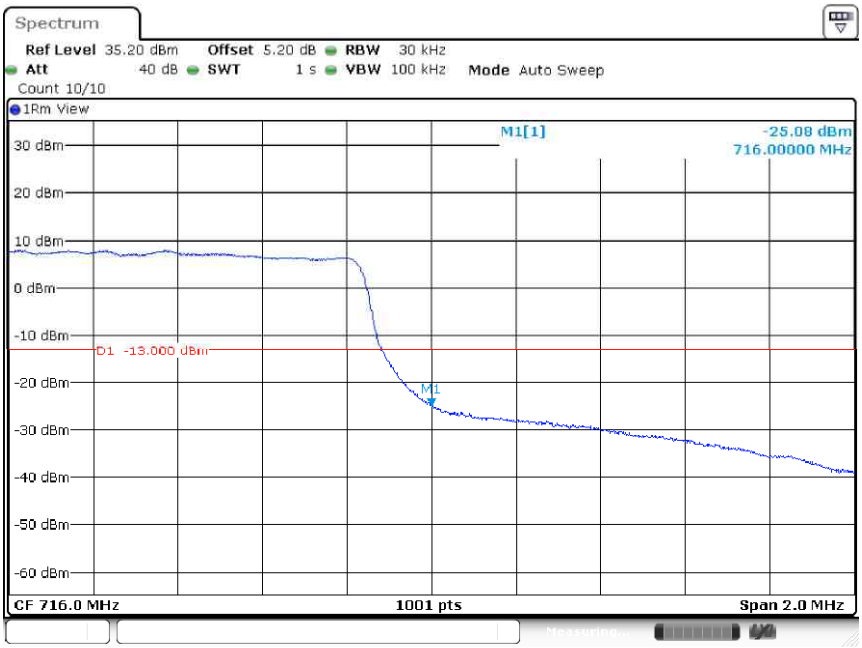
Band12-1.4MHz-QPSK-23173-6RB#0



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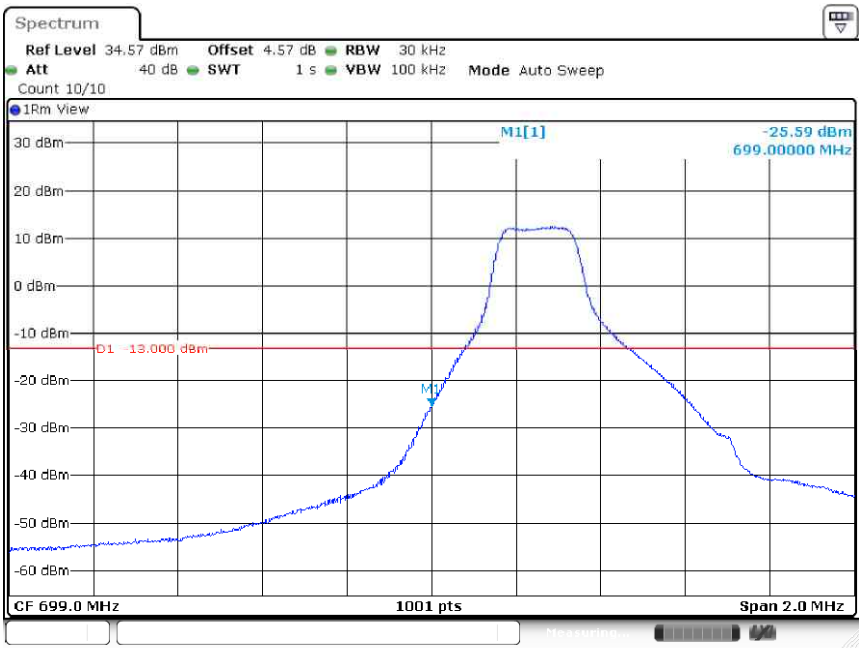
Band12-1.4MHz-64QAM-23017-1RB#0



Date: 14.JUL.2020 08:31:13

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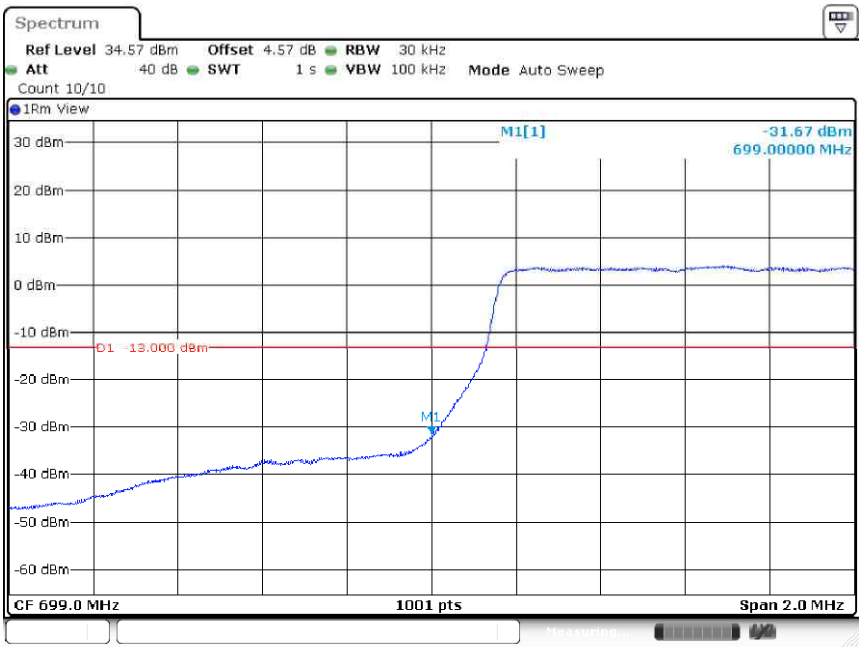
Band12-1.4MHz-64QAM-23017-6RB#0



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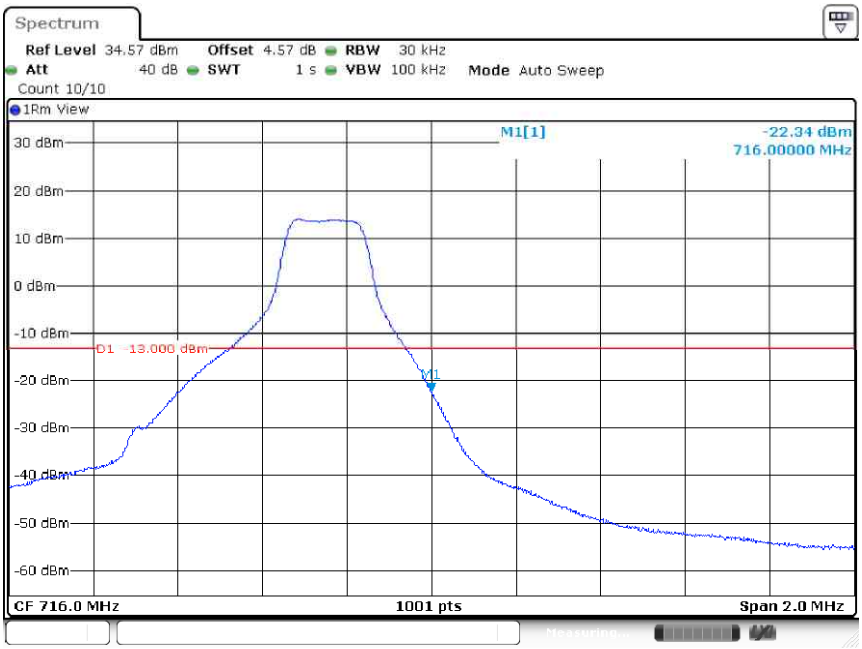
Band12-1.4MHz-64QAM-23173-1RB#5



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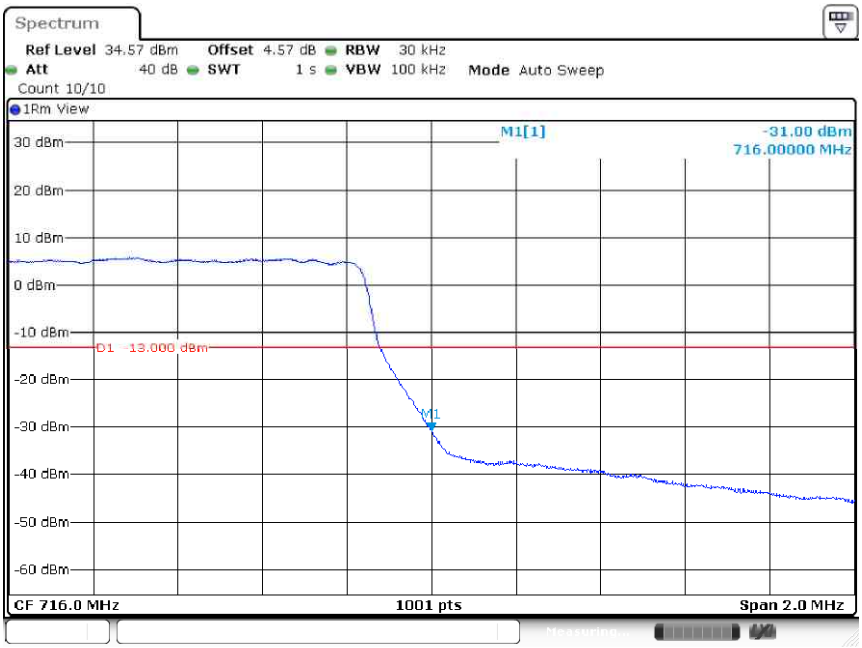
Band12-1.4MHz-64QAM-23173-6RB#0



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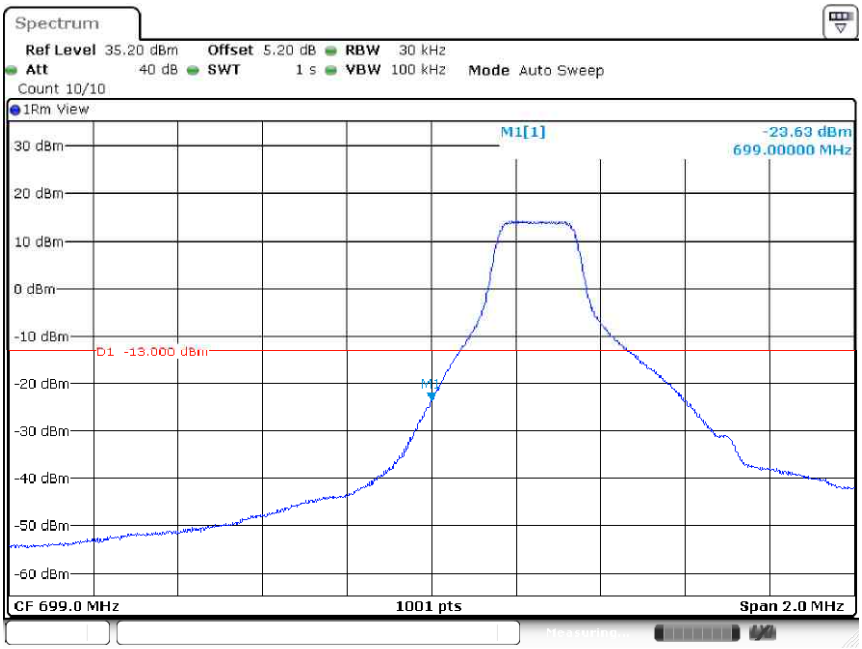
Band12-1.4MHz-16QAM-23017-1RB#0



Date: 10.JUL.2020 01:25:37

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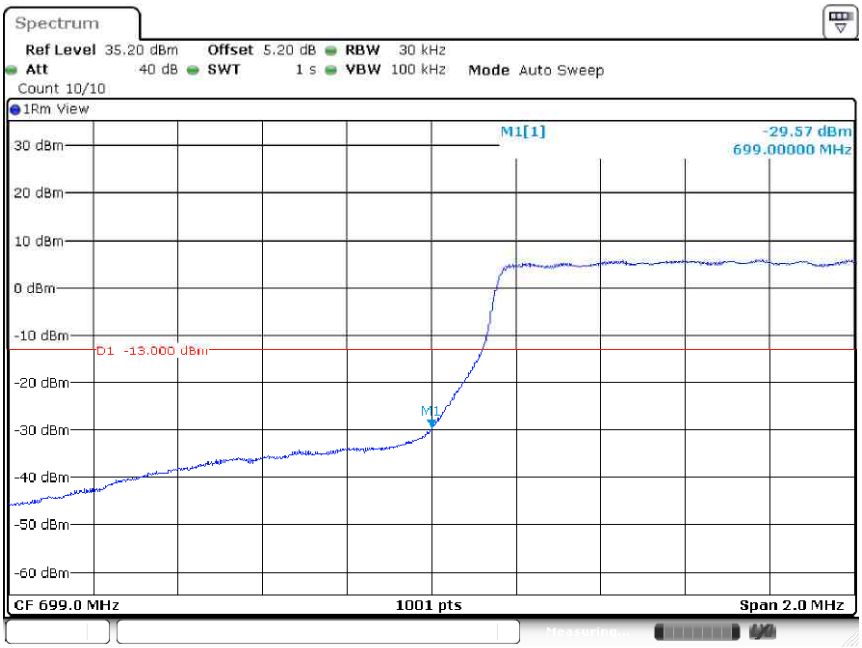
Band12-1.4MHz-16QAM-23017-6RB#0



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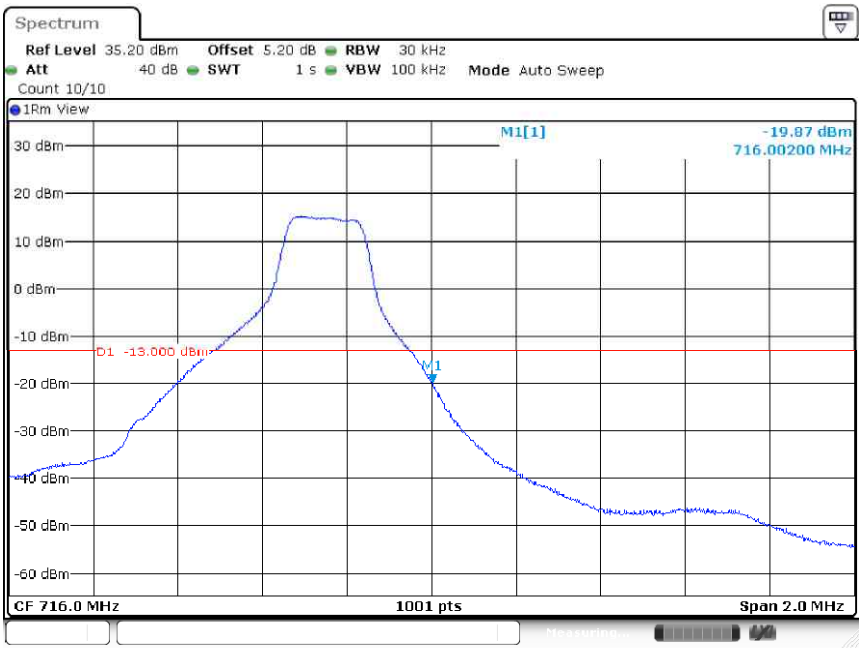
Band12-1.4MHz-16QAM-23173-1RB#5



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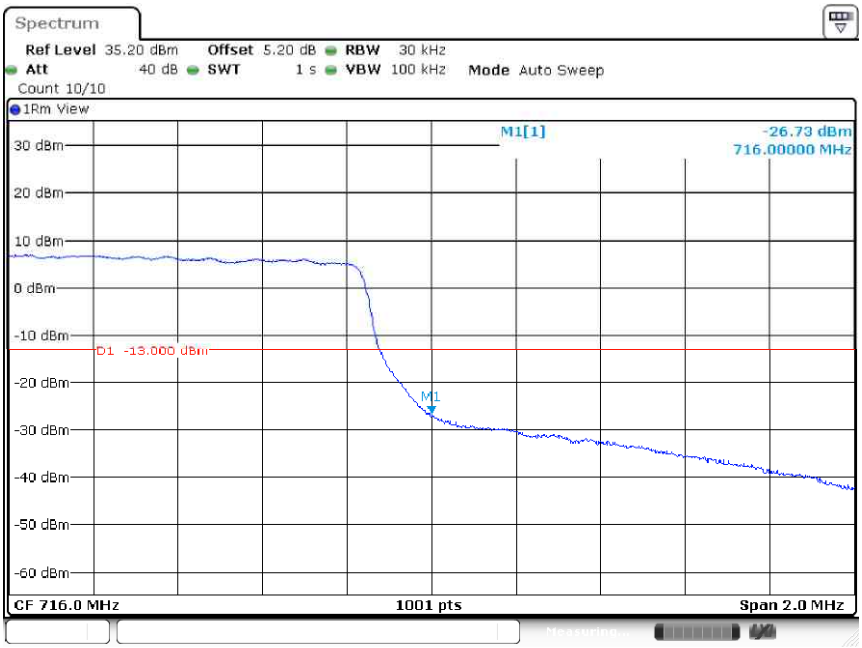
Band12-1.4MHz-16QAM-23173-6RB#0



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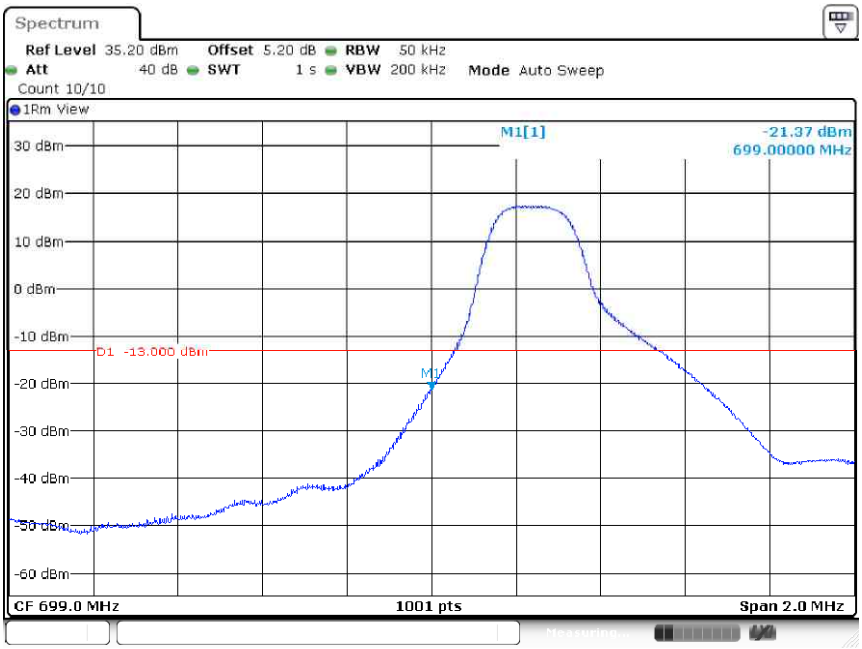
Band12-3MHz-QPSK-23025-1RB#0



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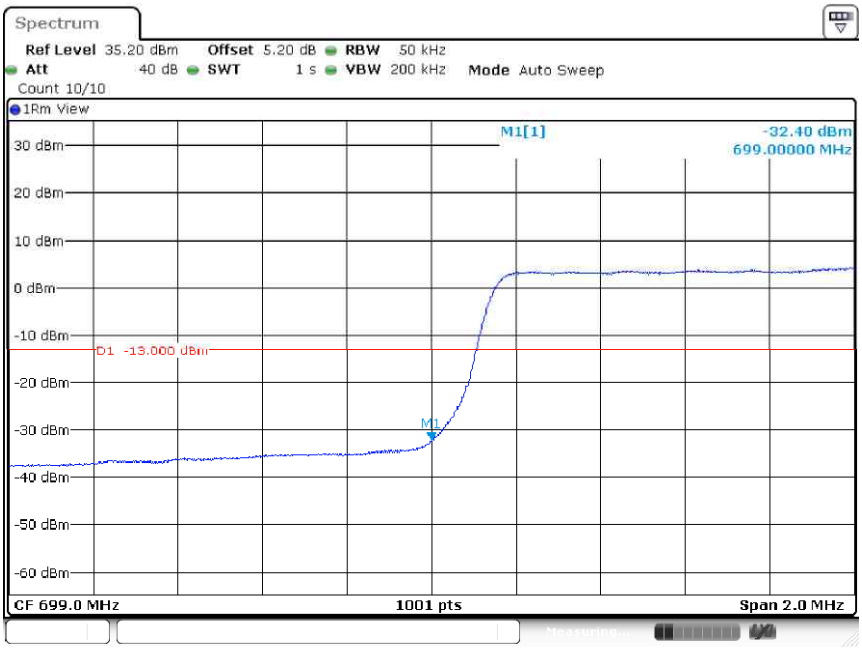

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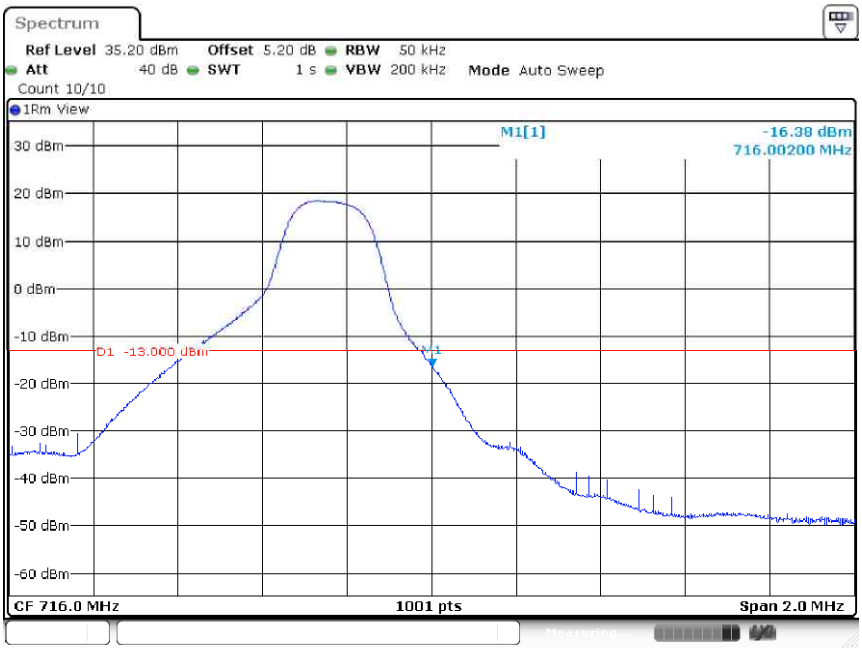

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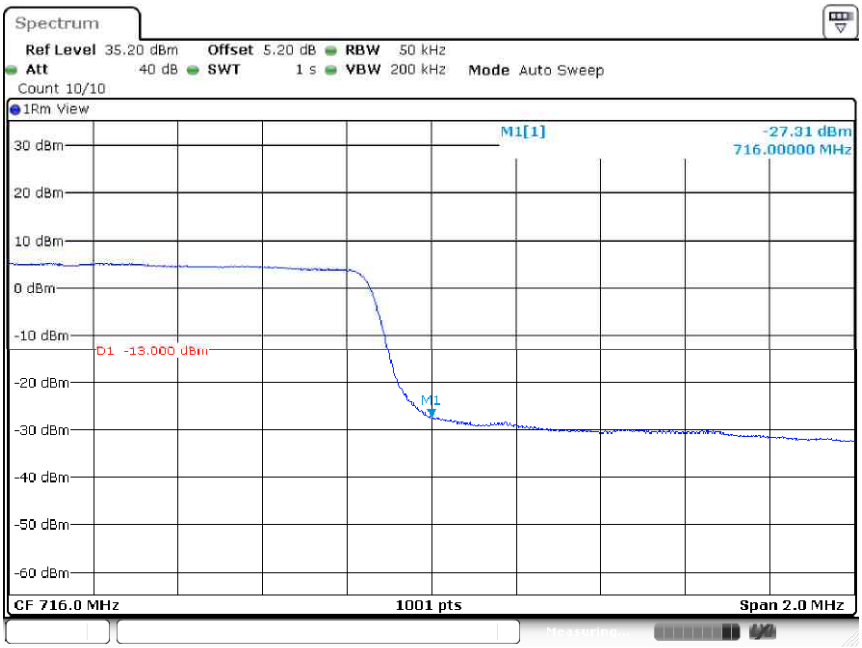

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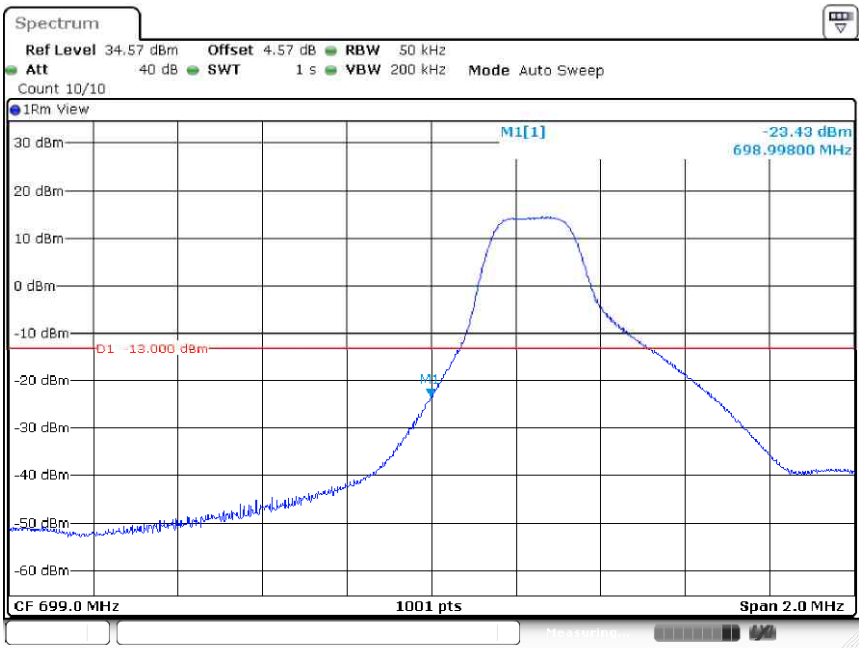
Band12-3MHz-64QAM-23025-1RB#0



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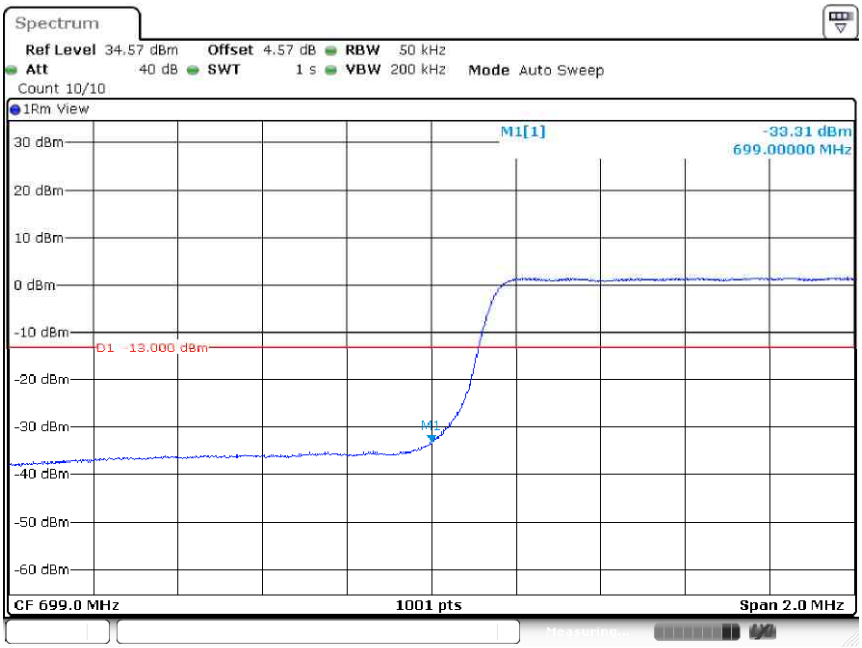
Band12-3MHz-64QAM-23025-15RB#0



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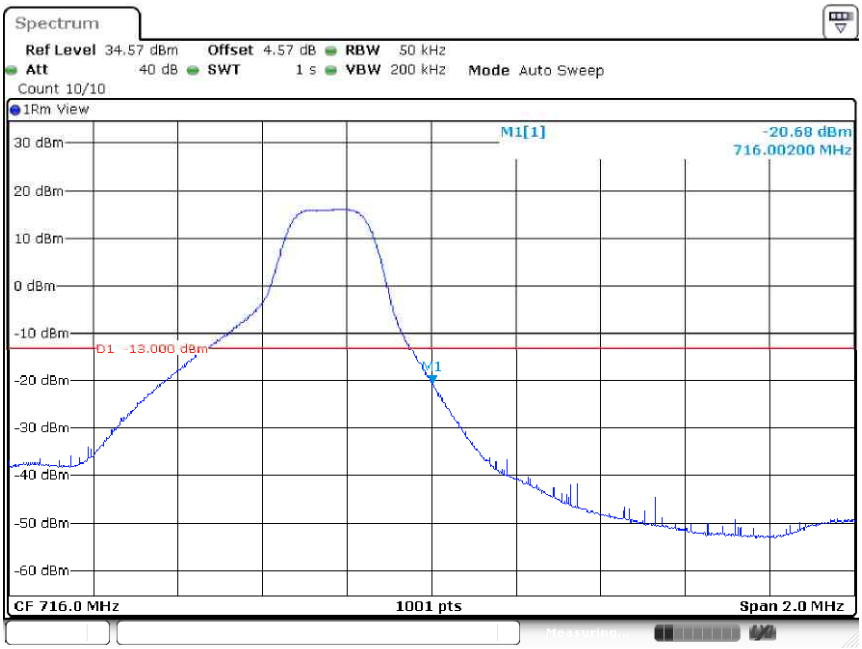

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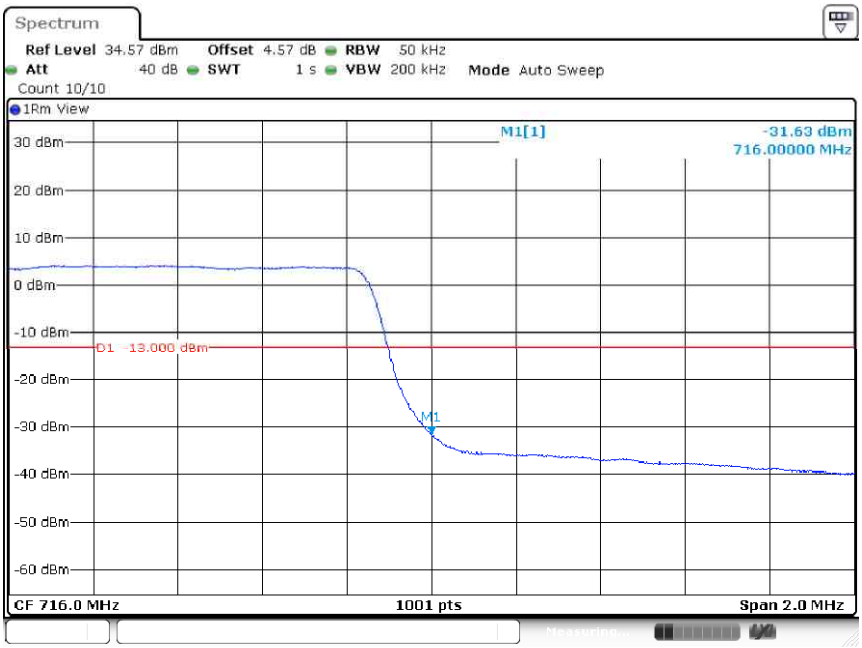
Band12-3MHz-64QAM-23165-15RB#0



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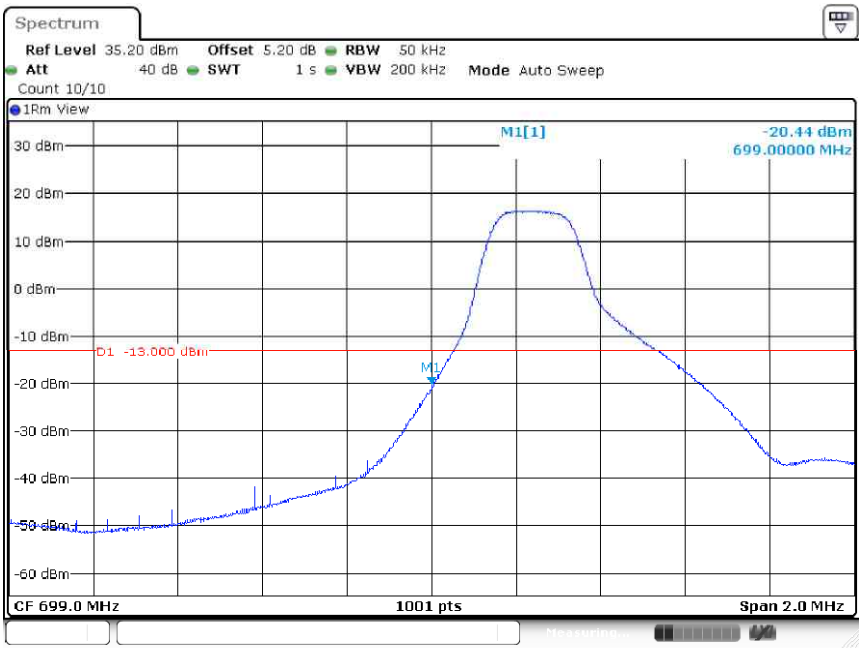

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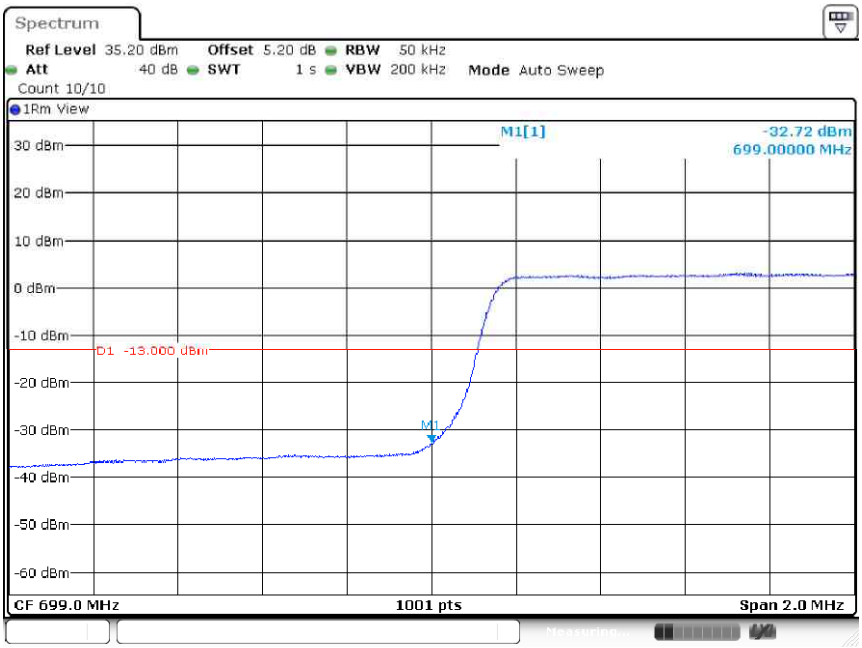
Band12-3MHz-16QAM-23025-15RB#0



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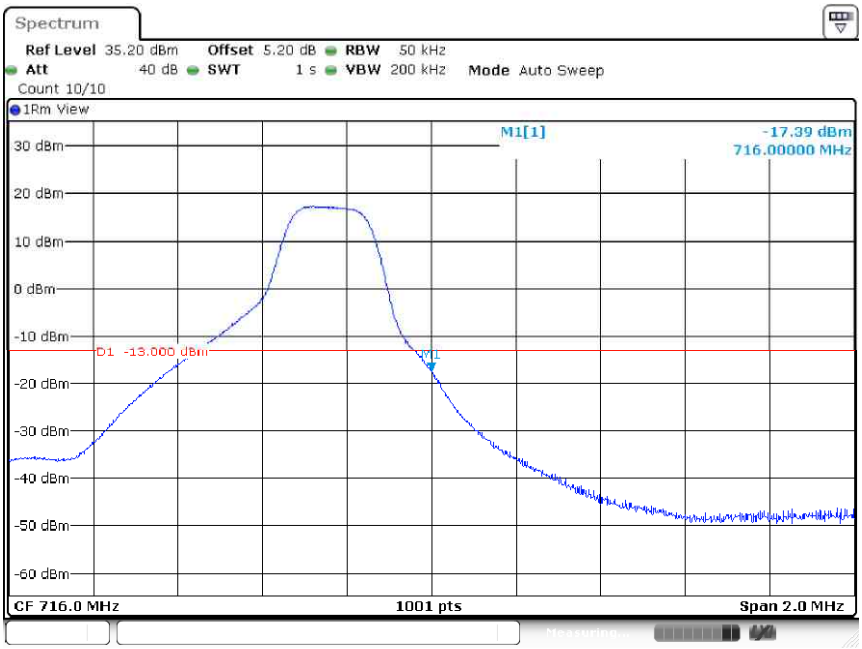

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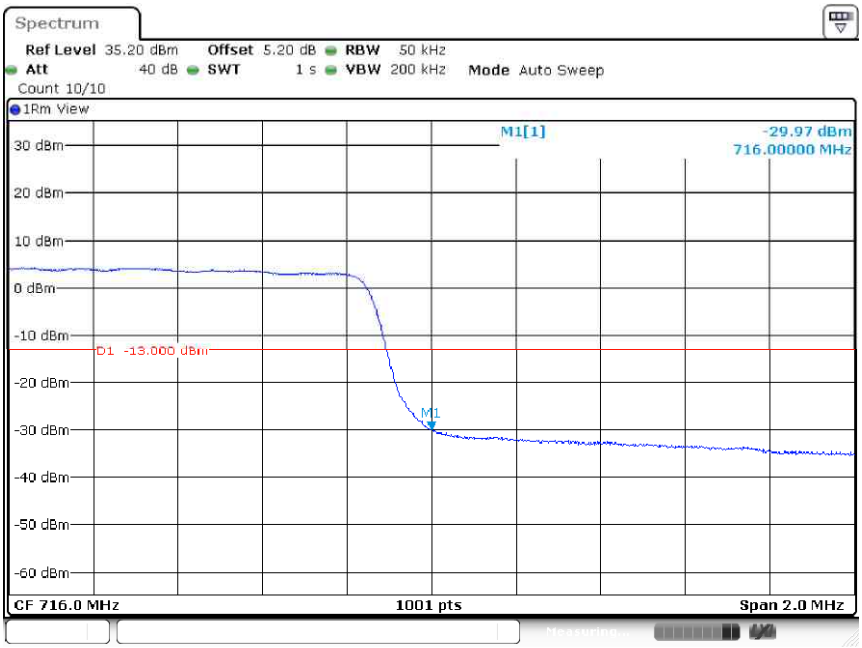
Band12-3MHz-16QAM-23165-15RB#0



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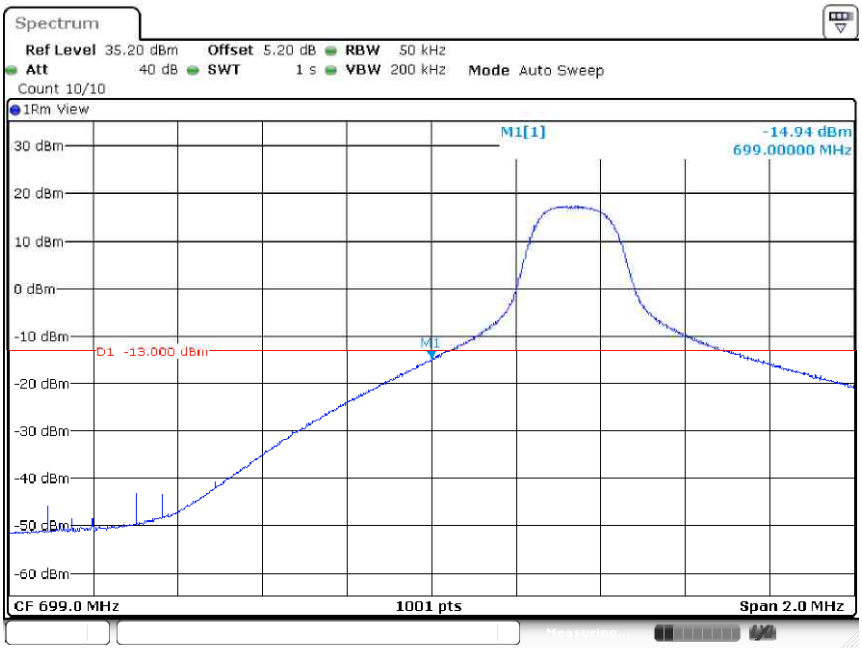
Band12-5MHz-QPSK-23035-1RB#0



Date: 10.JUL.2020 01:31:02

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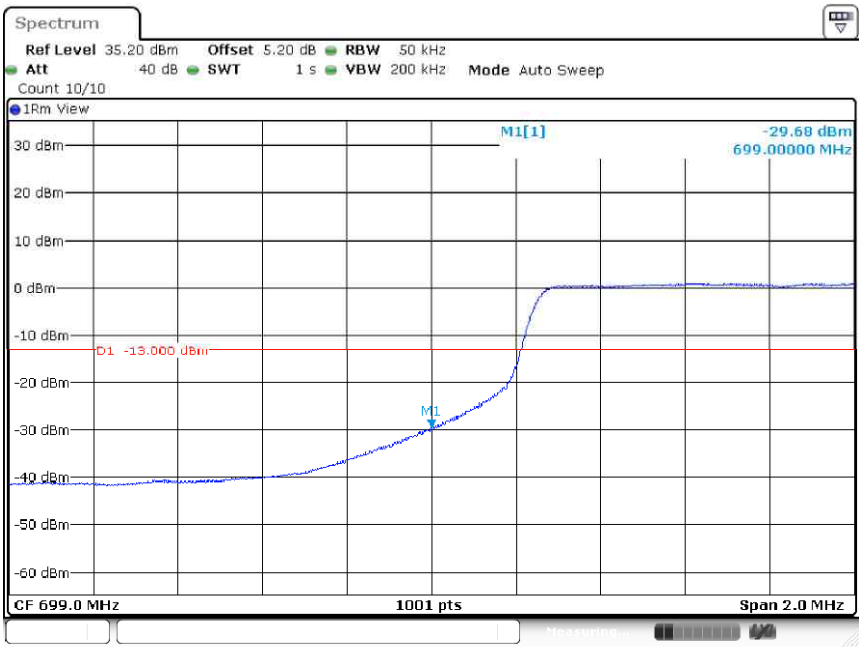

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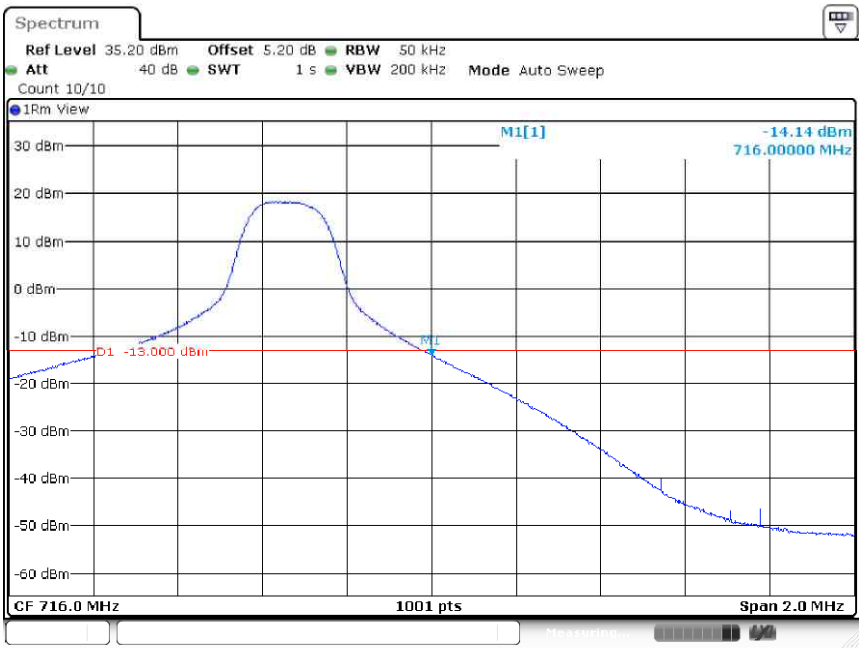
Band12-5MHz-QPSK-23155-1RB#24



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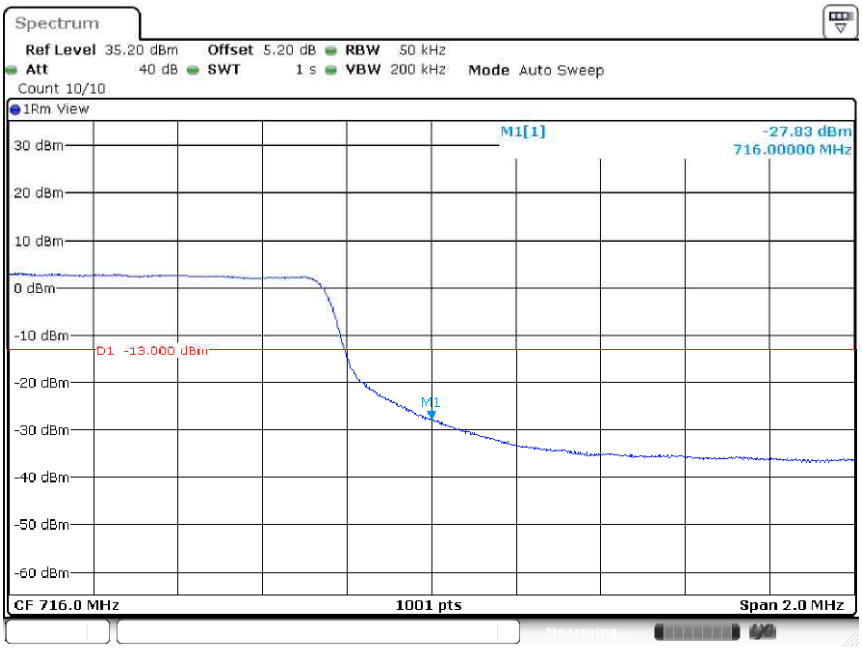

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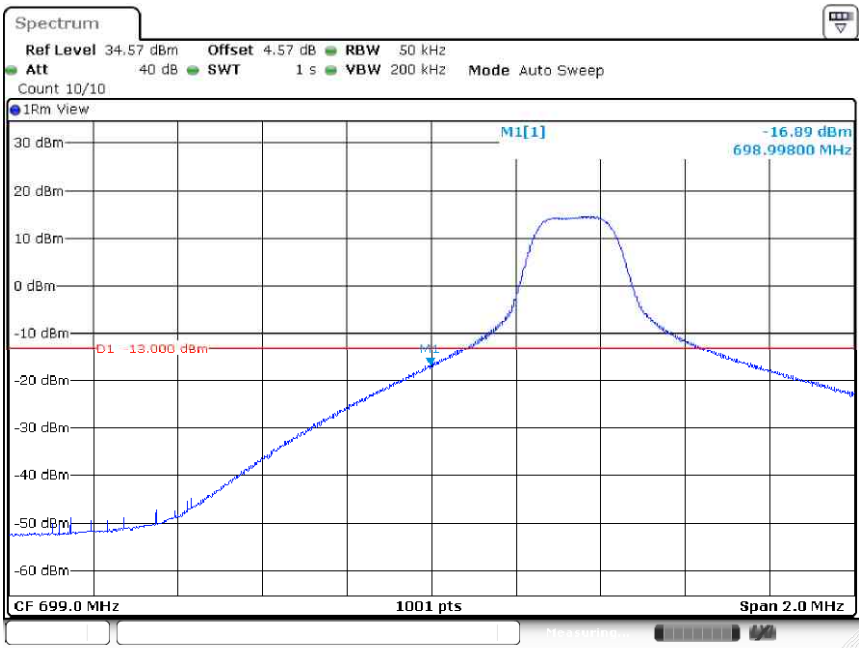
Band12-5MHz-64QAM-23035-1RB#0



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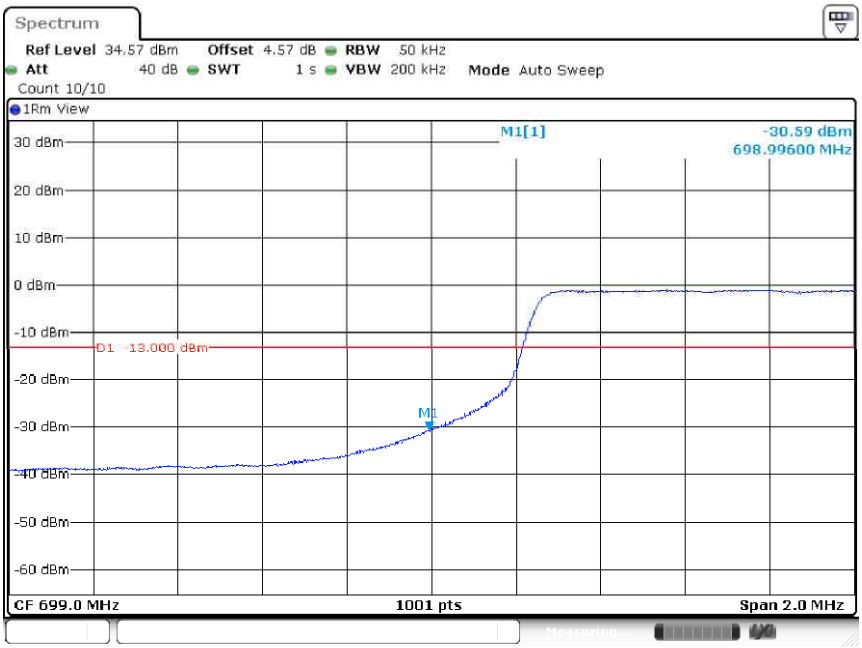

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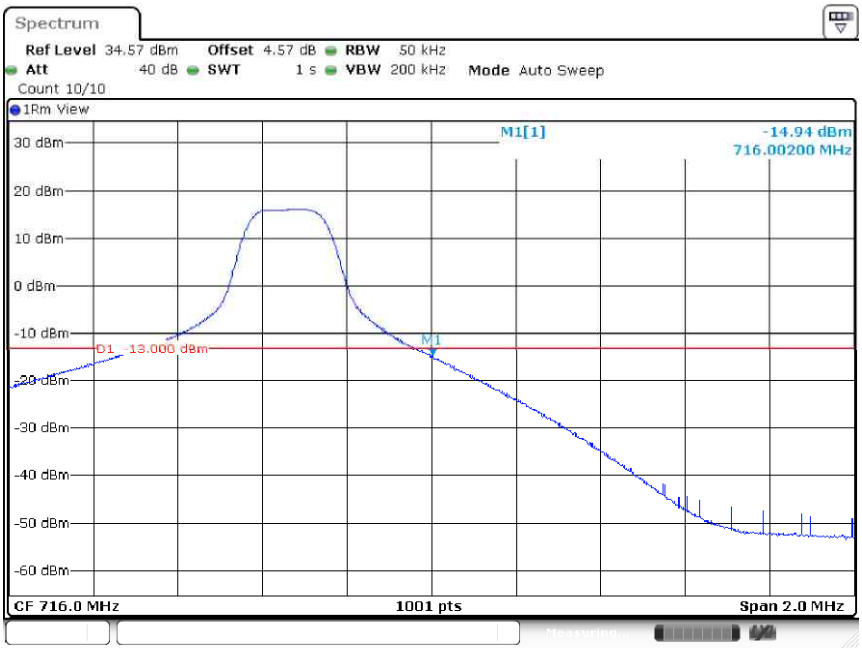
Band12-5MHz-64QAM-23155-1RB#24



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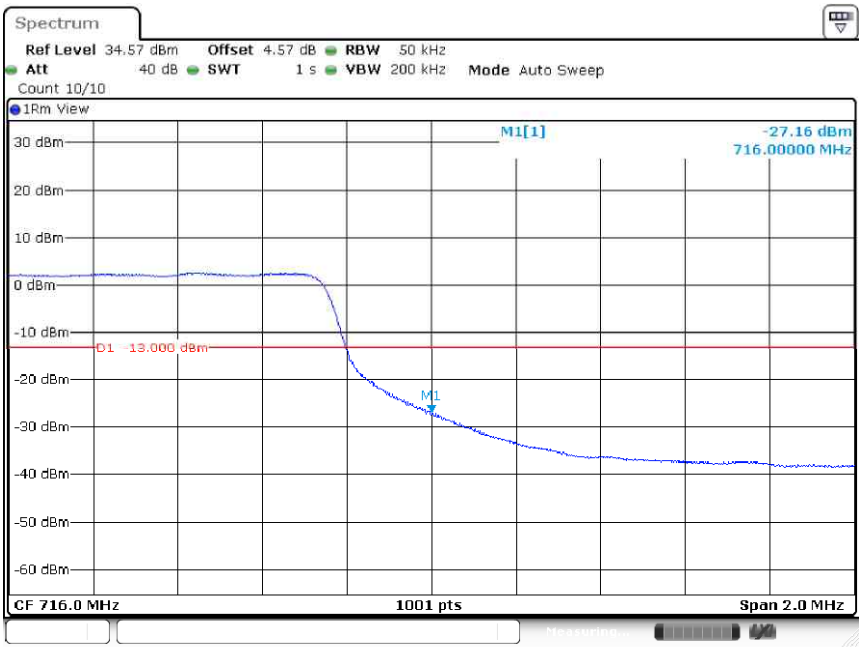

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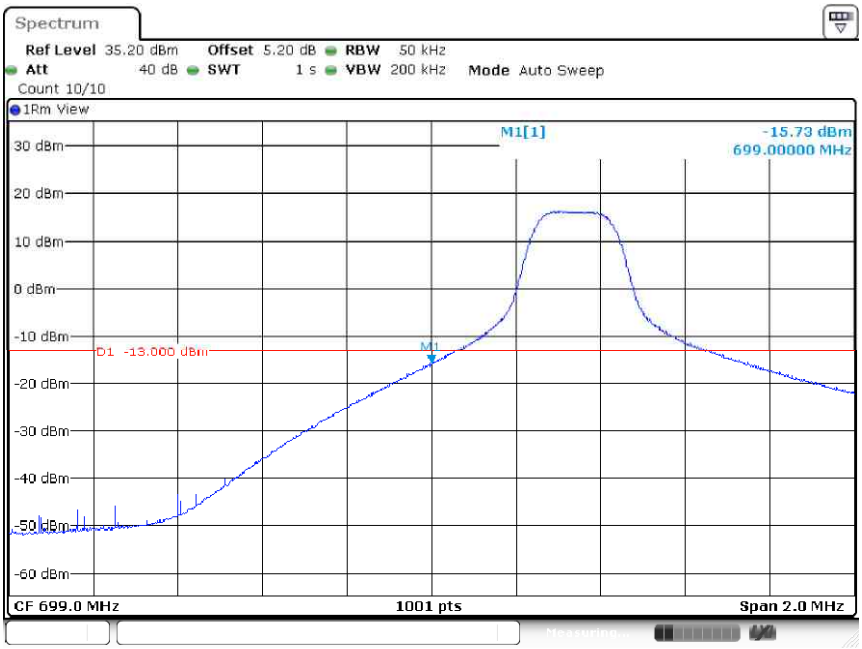

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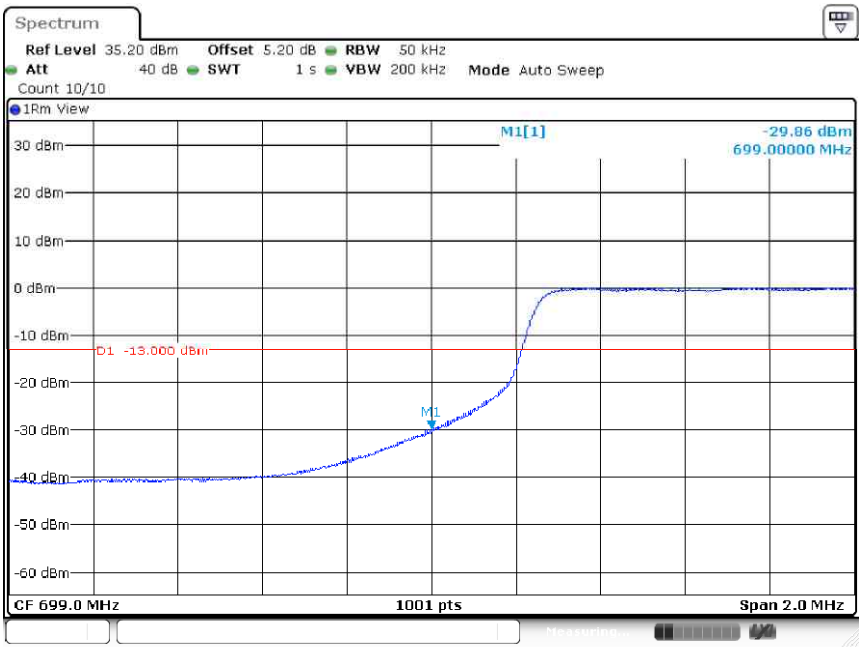

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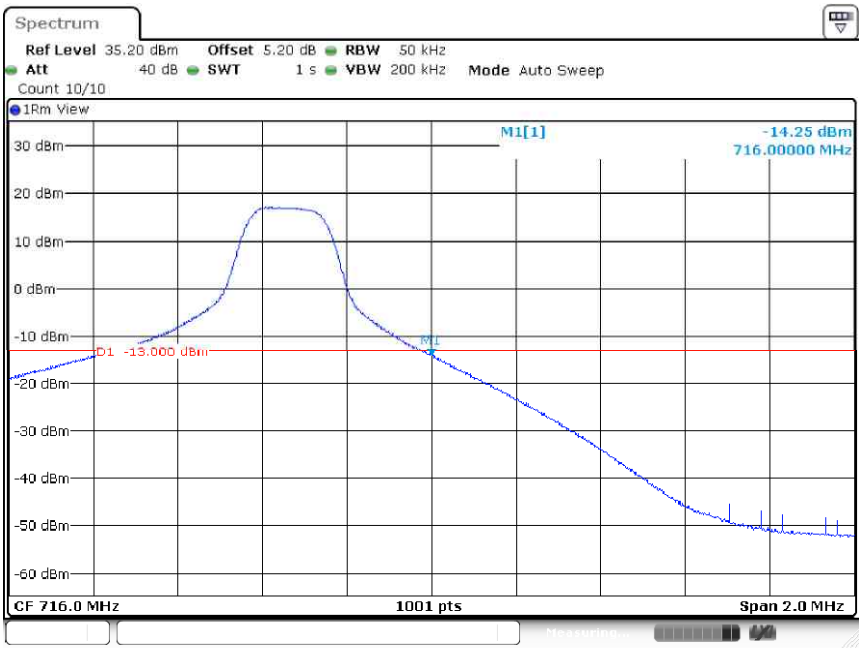

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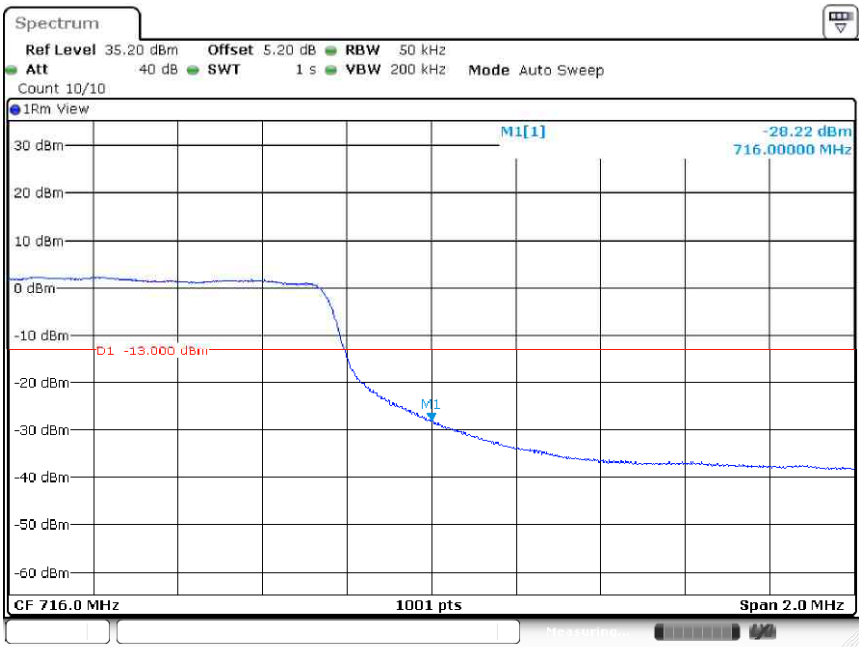

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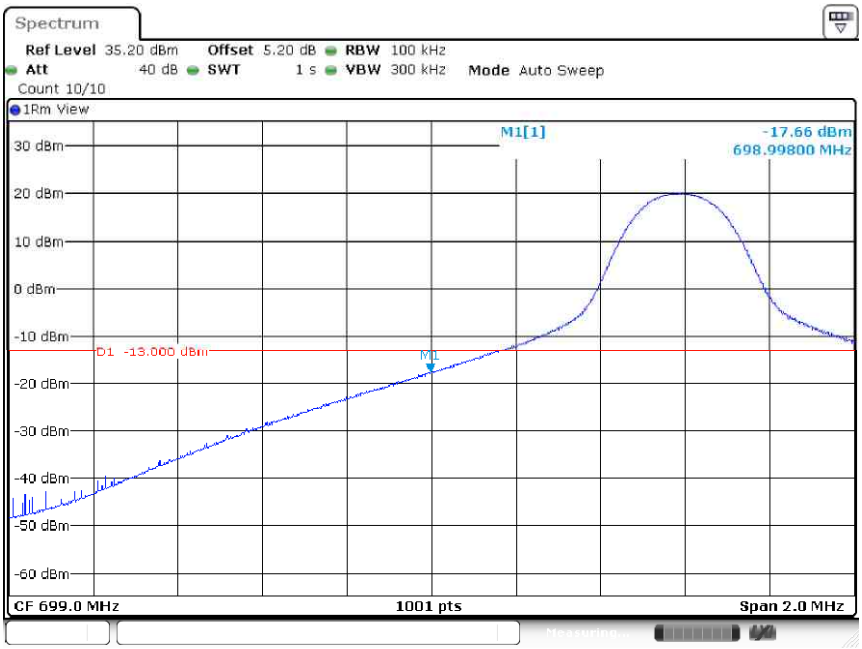

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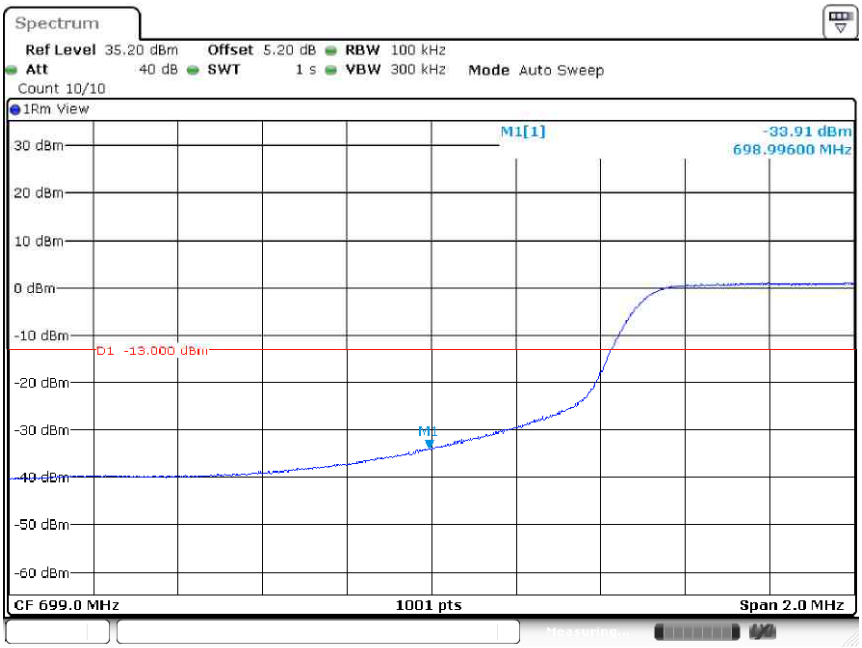

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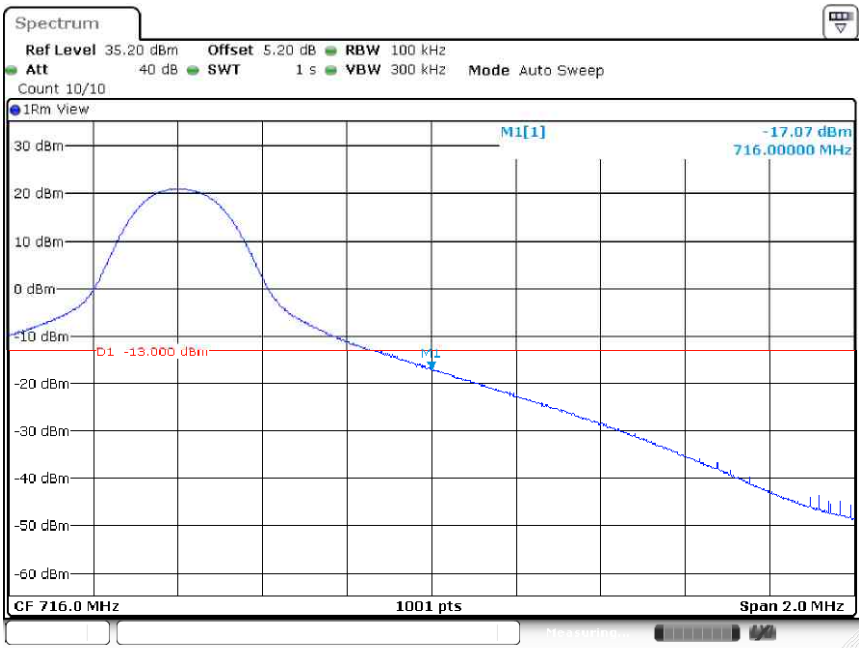

Date: 10.JUL.2020 01:35:21

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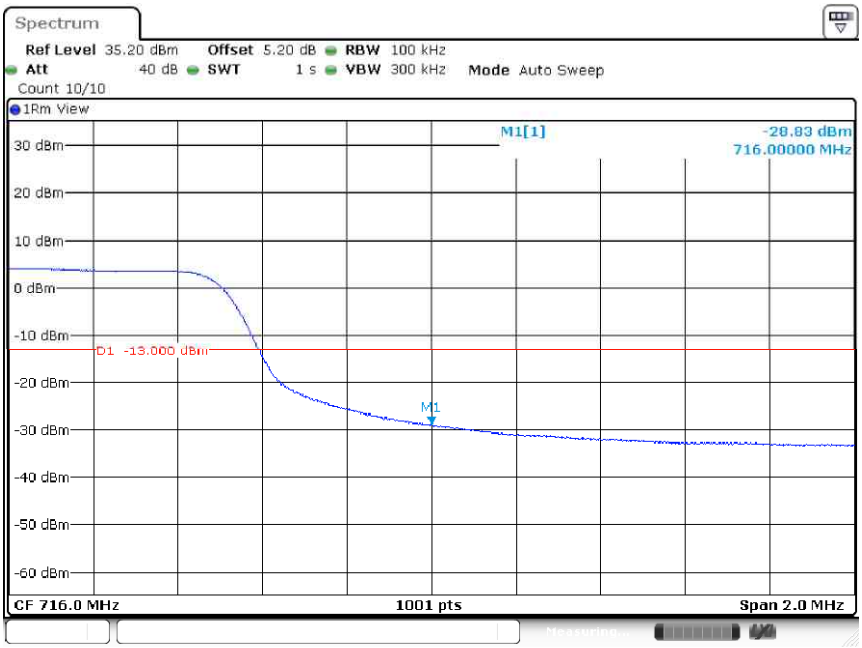
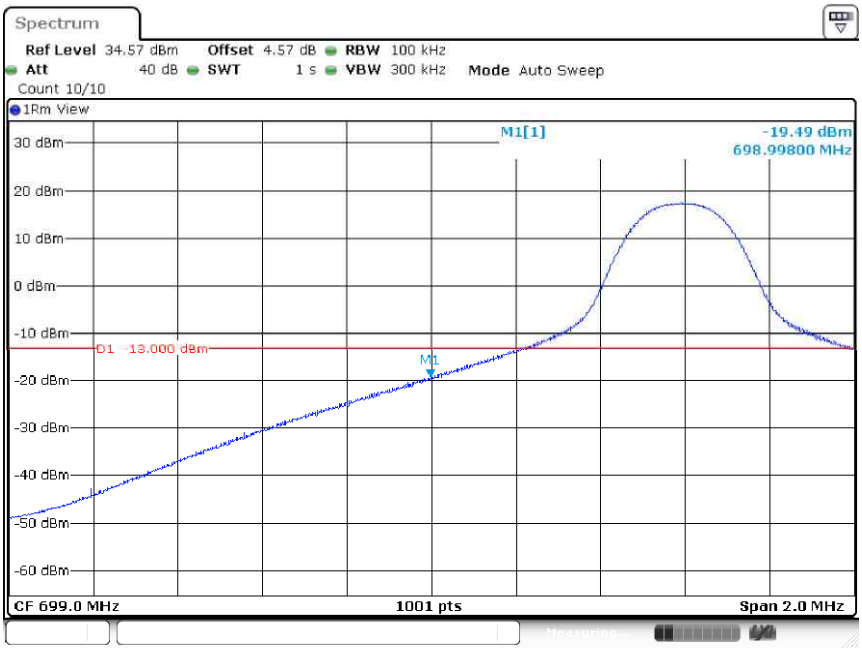
Band12-10MHz-QPSK-23130-50RB#0



Date: 10.JUL.2020 01:36:02

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



Date: 14.JUL.2020 08:35:56

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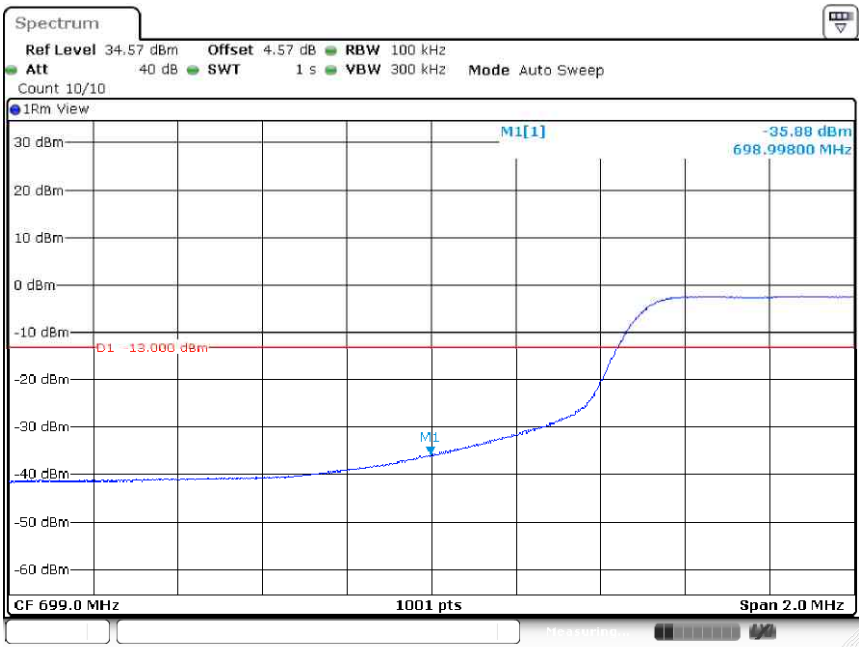
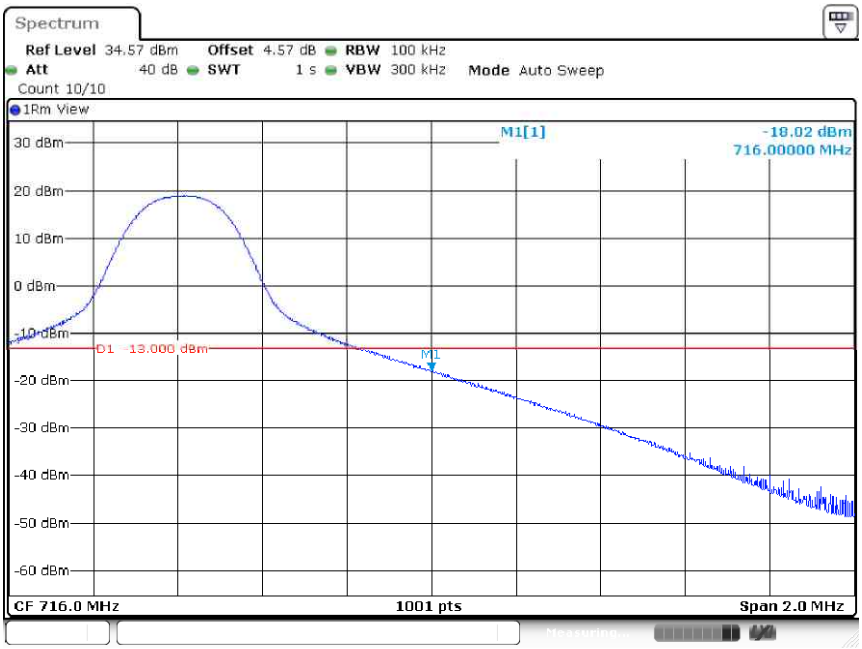
Band12-10MHz-64QAM-23060-50RB#0



Date: 14.JUL.2020 08:36:16

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



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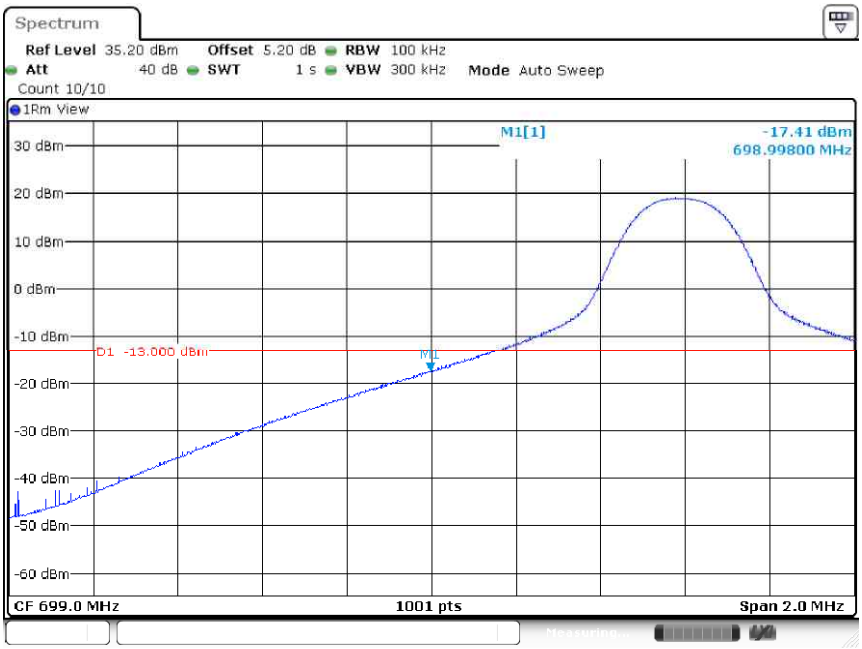
Band12-10MHz-64QAM-23130-50RB#0

Date: 14.JUL.2020 08:37:02

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



Date: 10.JUL.2020 01:34:15

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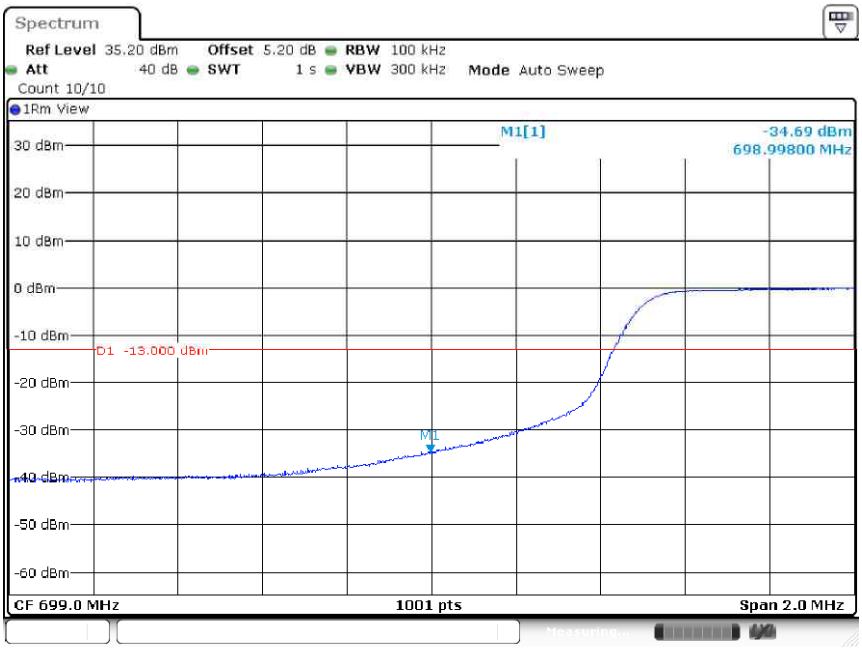
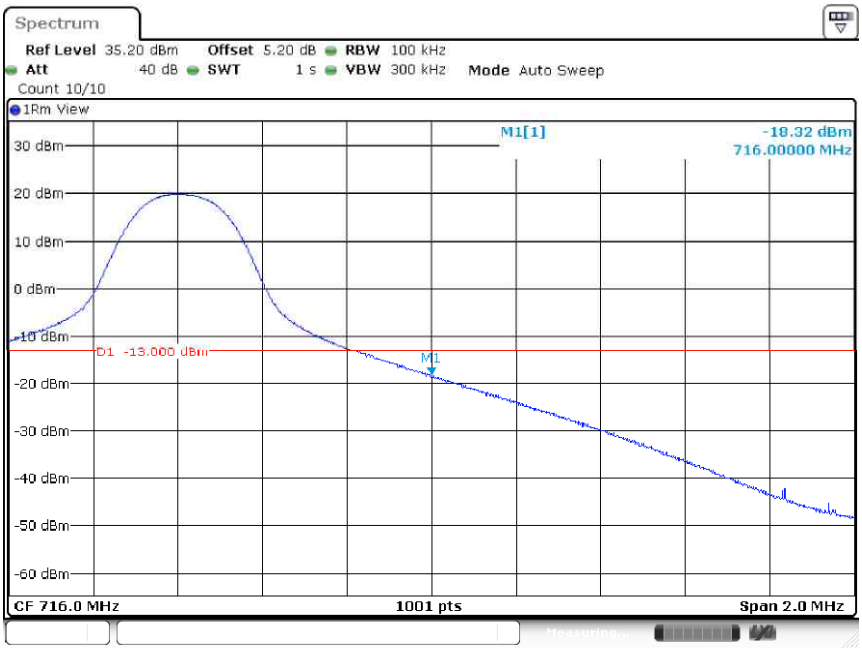
Band12-10MHz-16QAM-23060-50RB#0



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

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



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

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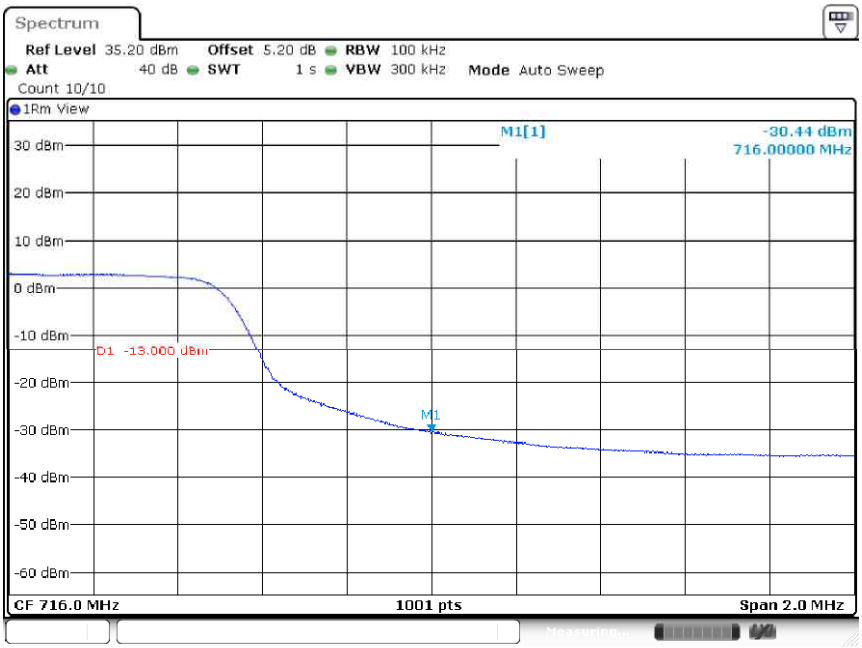
Band12-10MHz-16QAM-23130-50RB#0



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6. Spurious Emission at Antenna Terminal

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

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

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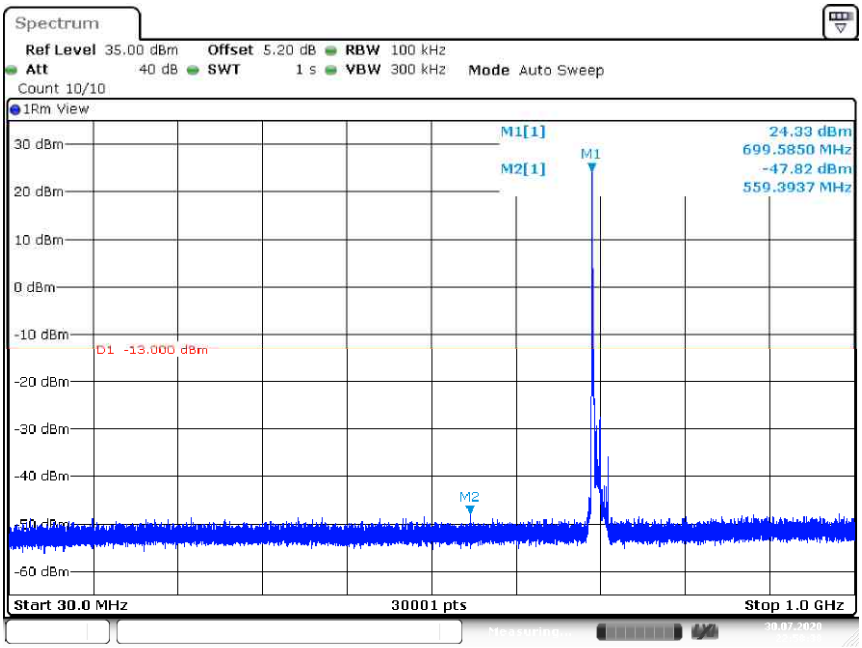
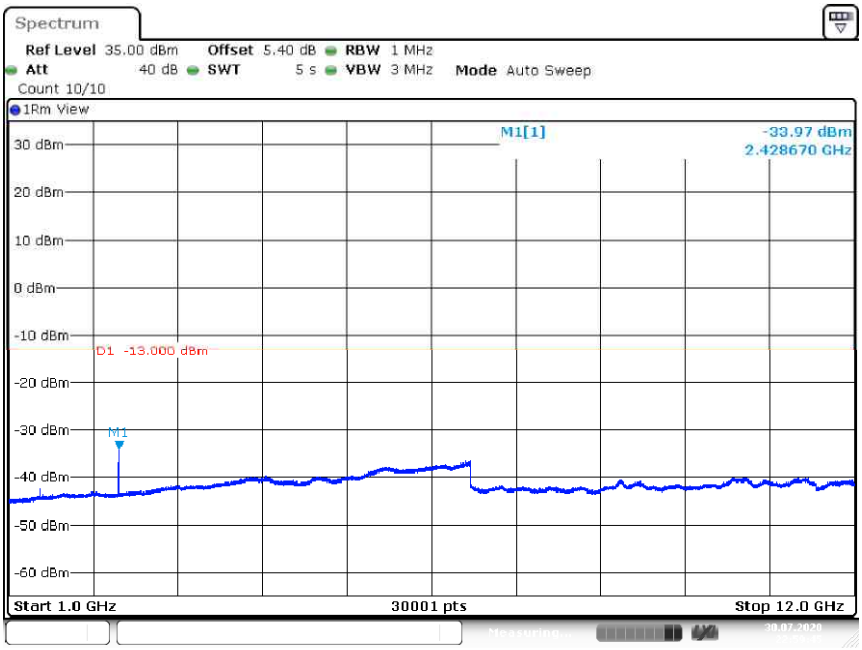
6.1. Test Plots

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



Date: 30.JUL.2020 22:59:46

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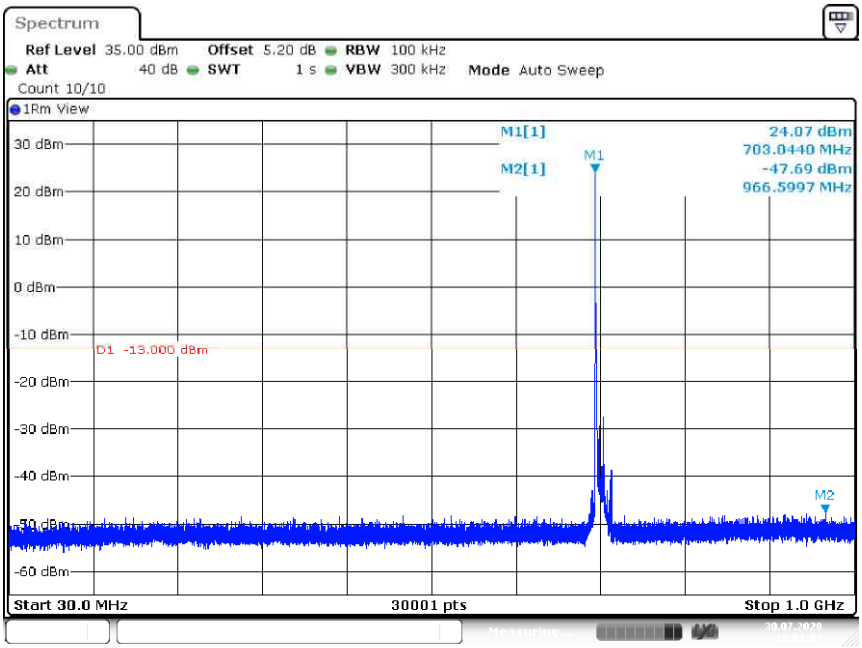
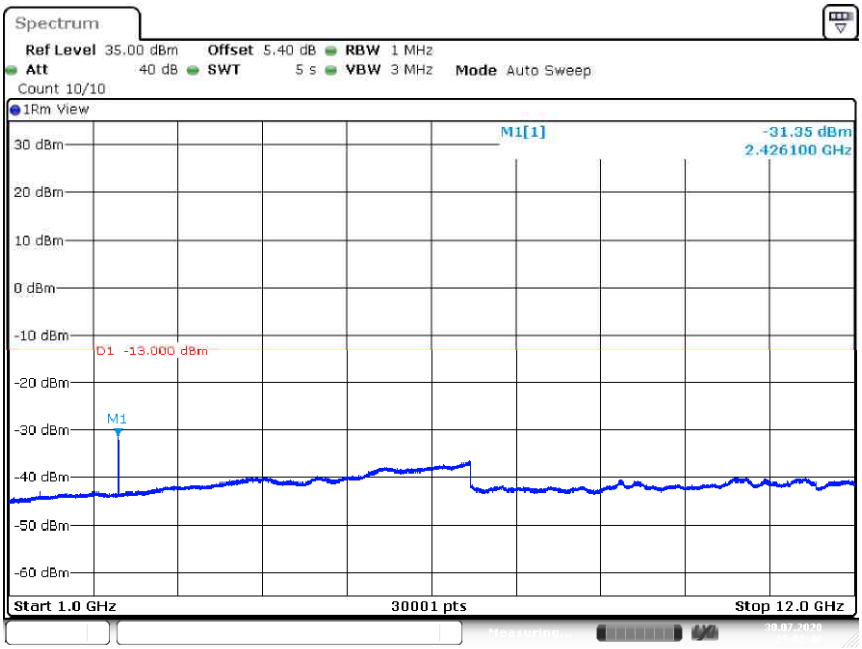
Band12-10MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



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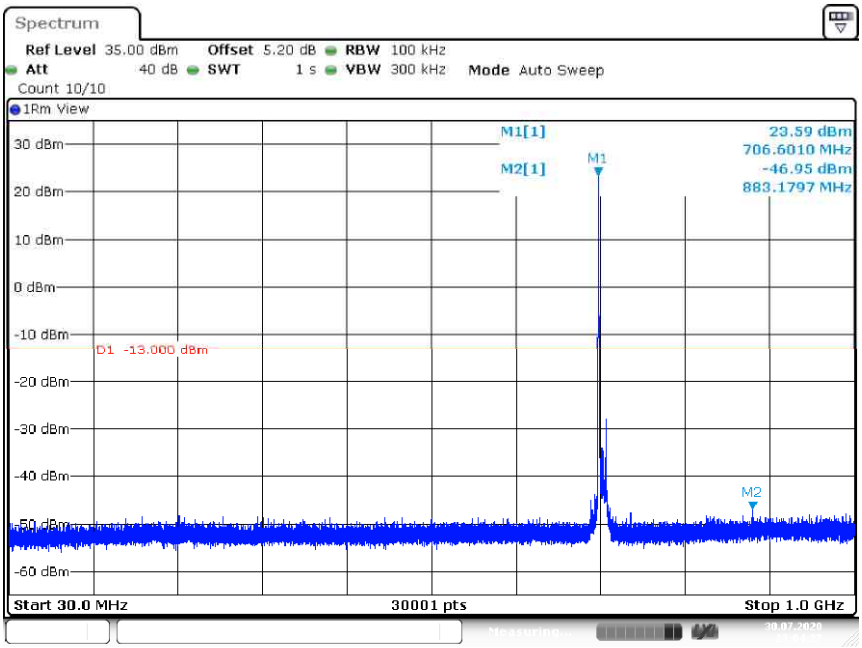
Band12-10MHz-QPSK-23130-1RB#0-Range1:30~1000MHz



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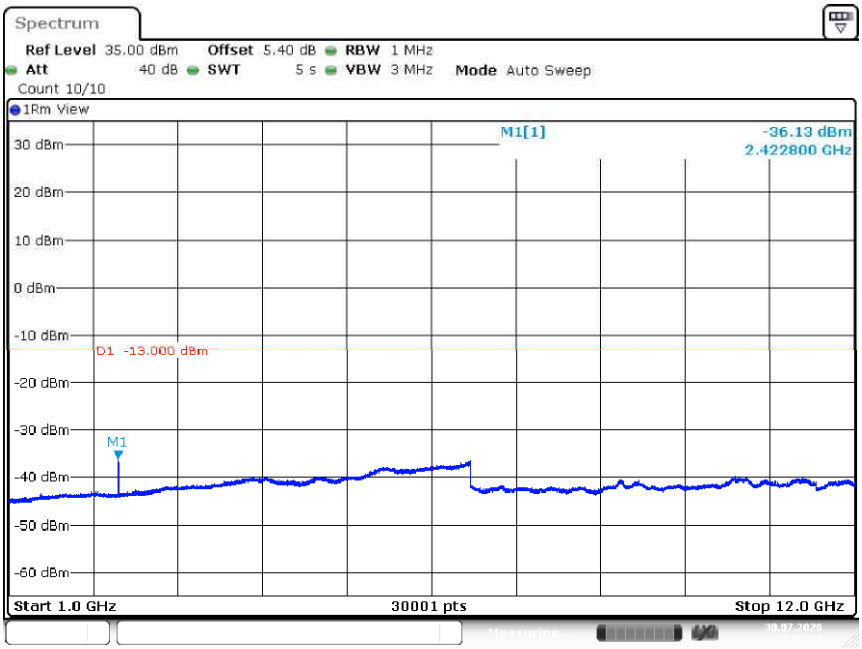

Date: 30.JUL.2020 23:05:35

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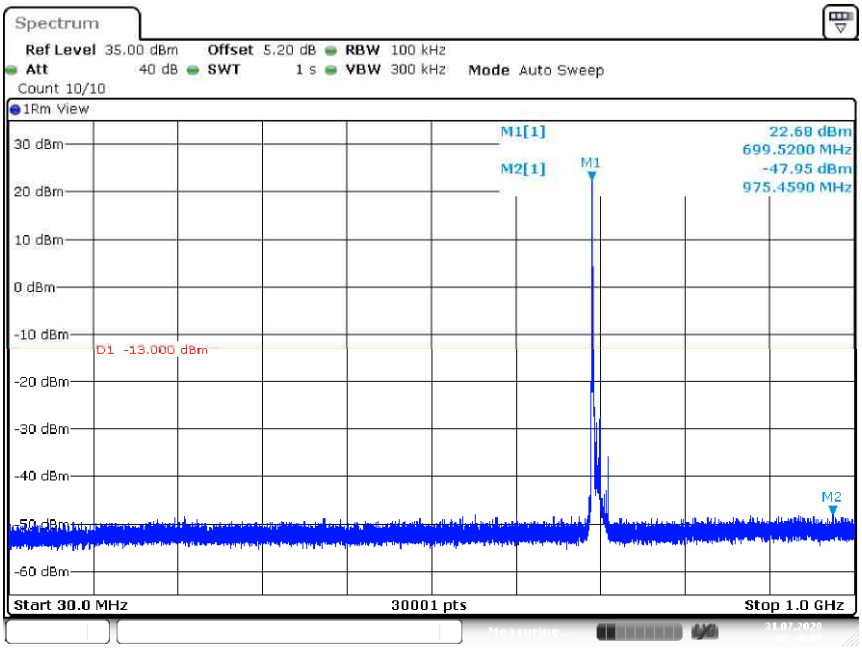
Band12-10MHz-64QAM-23060-1RB#0-Range1:30~1000MHz



Date: 31.JUL.2020 08:46:09

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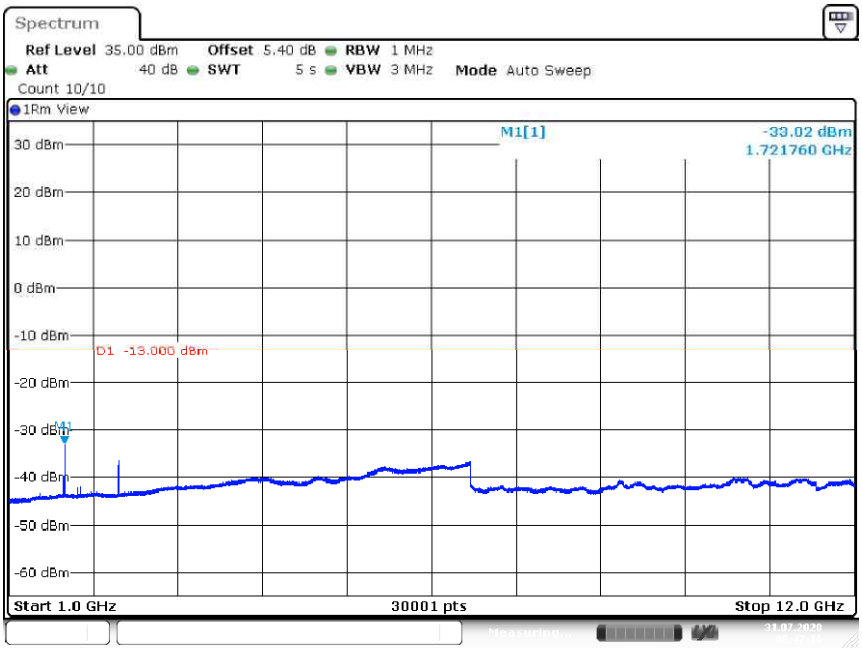

Date: 31.JUL.2020 08:47:17

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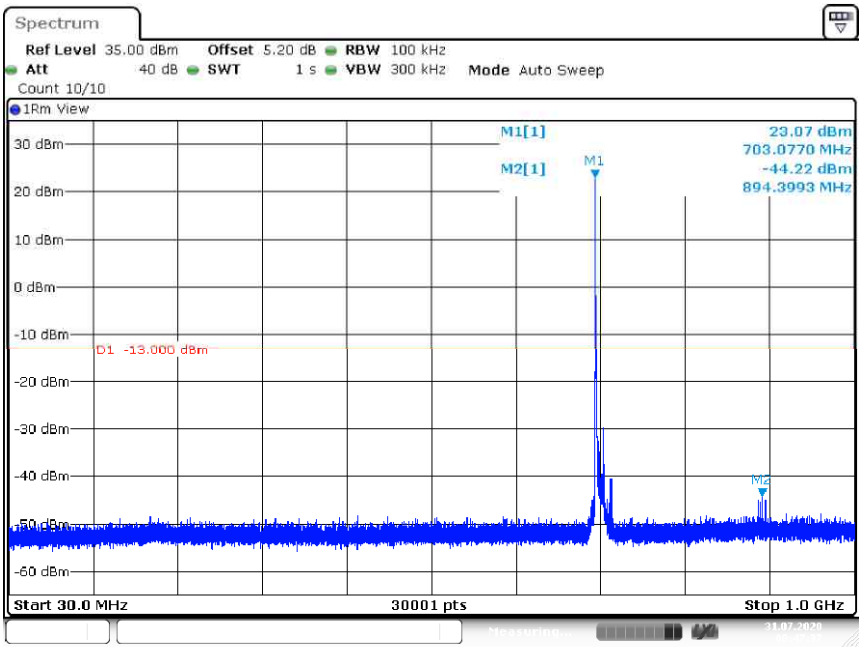
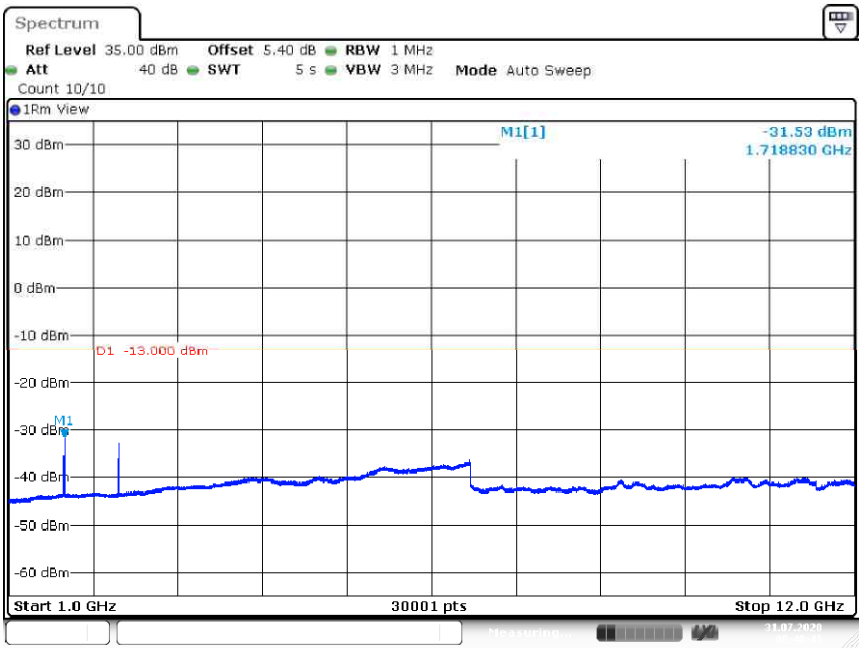
Band12-10MHz-64QAM-23095-1RB#0-Range1:30~1000MHz



Date: 31.JUL.2020 08:47:37

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



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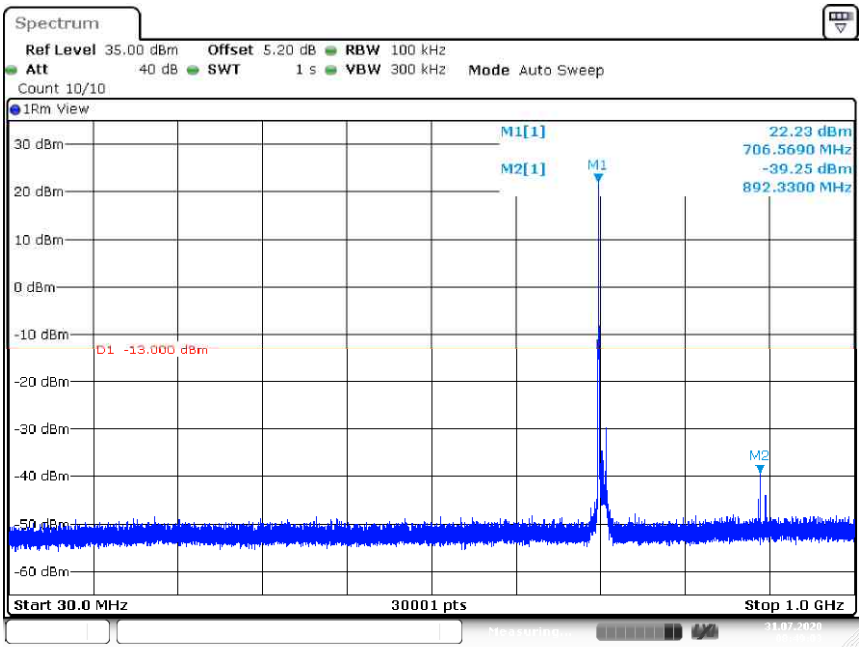
Band12-10MHz-64QAM-23130-1RB#0-Range1:30~1000MHz



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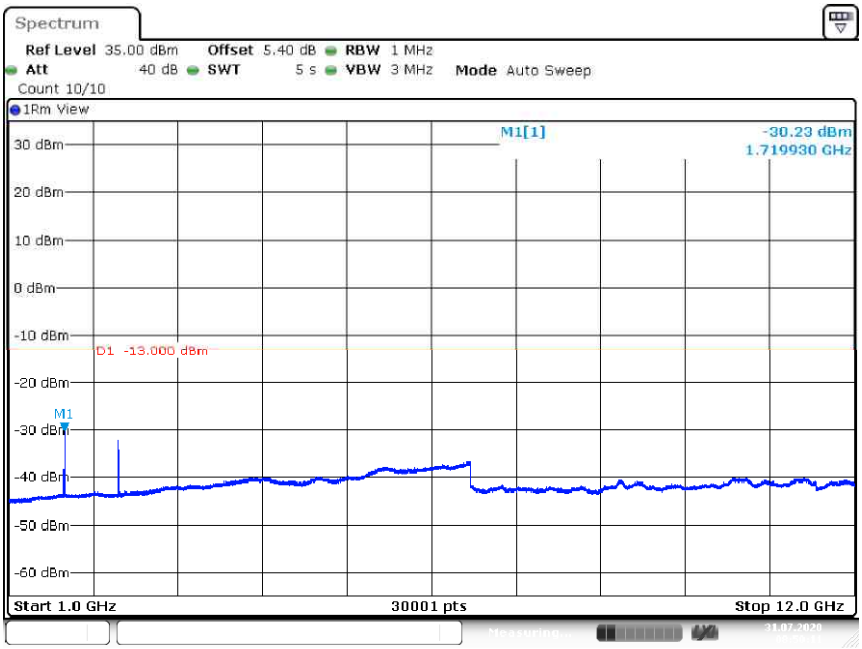
Band12-10MHz-64QAM-23130-1RB#0-Range2:1000~12000MHz



Date: 31.JUL.2020 08:50:11

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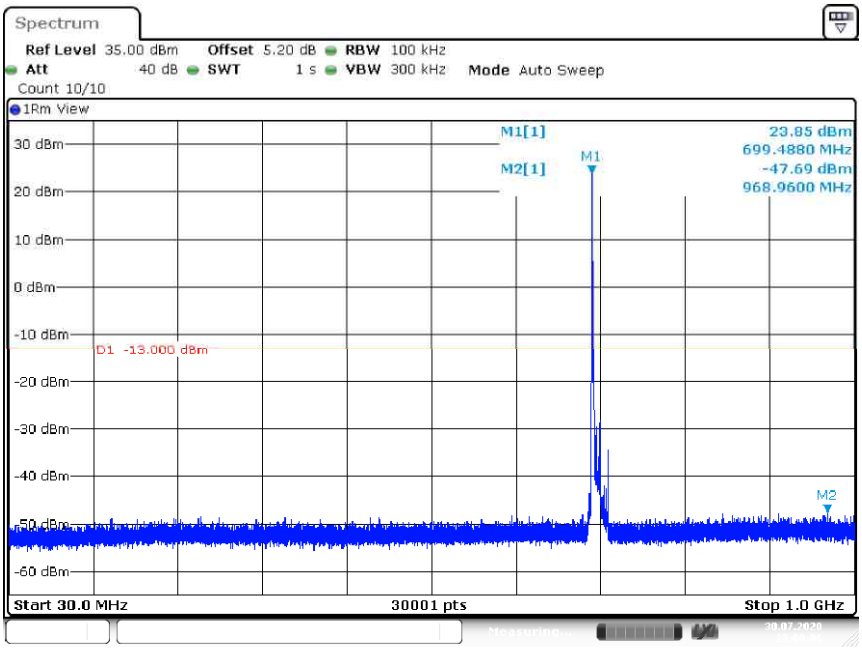
Band12-10MHz-16QAM-23060-1RB#0-Range1:30~1000MHz



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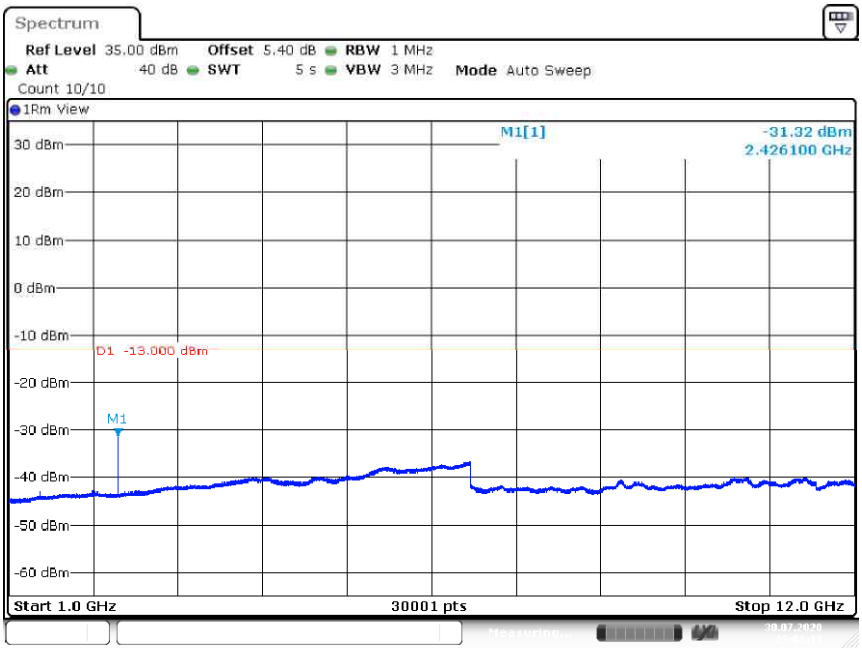

Date: 30.JUL.2020 23:01:13

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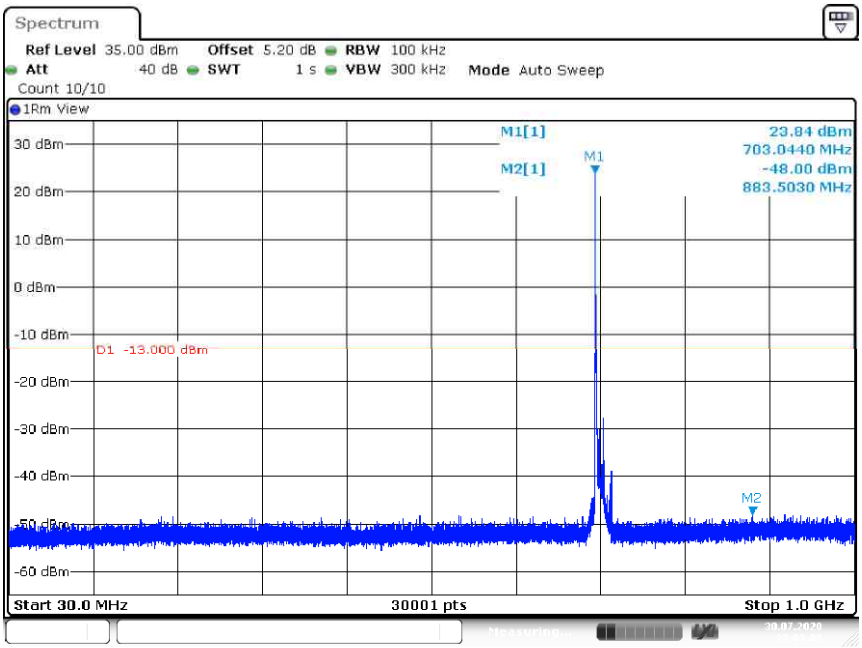
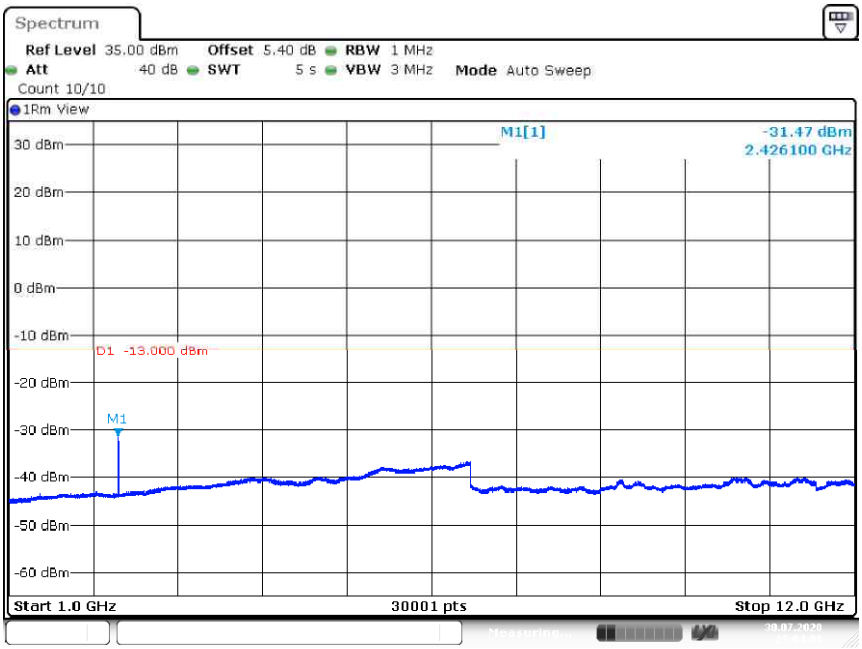
Band12-10MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



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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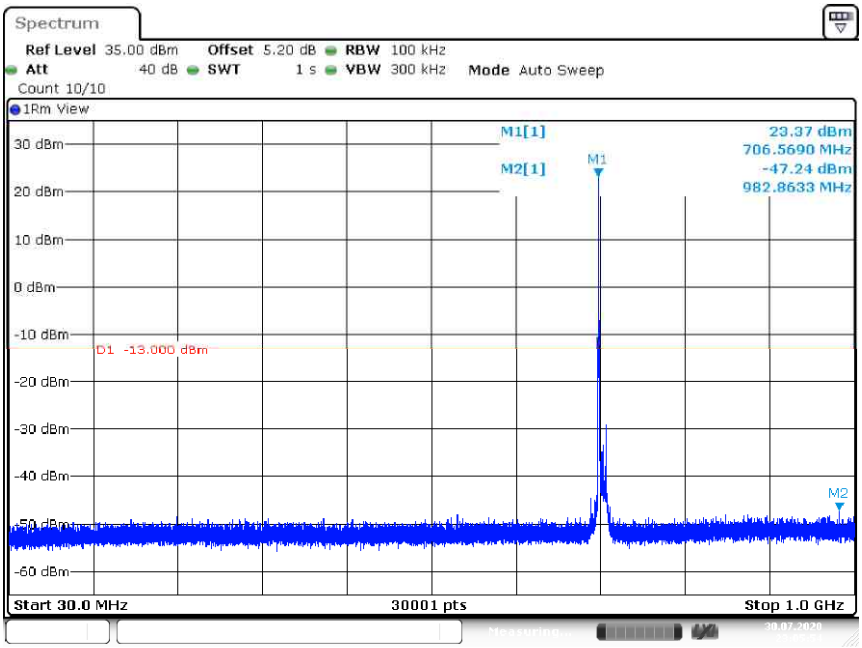

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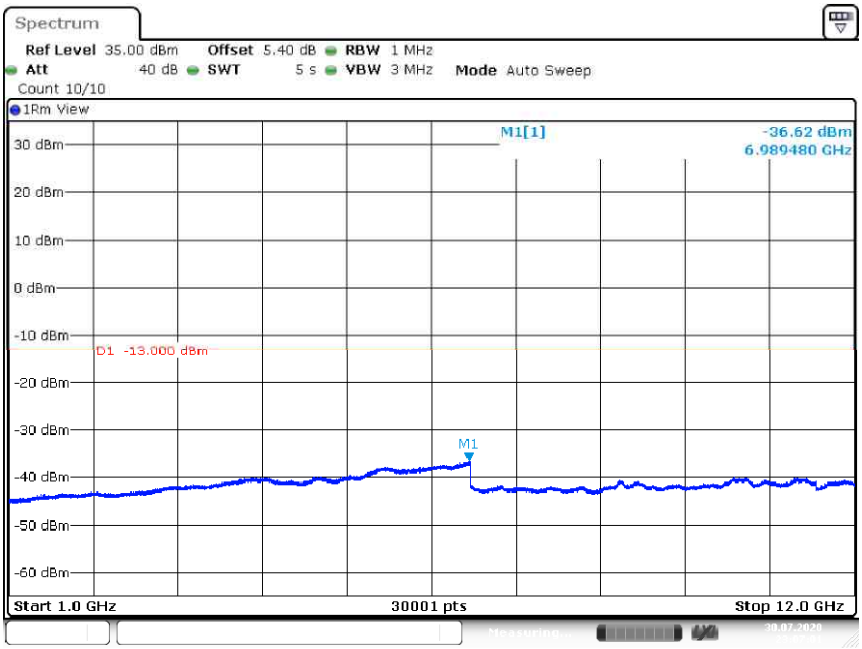
Band12-10MHz-16QAM-23130-1RB#0-Range2:1000~12000MHz



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)	Polarization
55.0273	-71.83	-13.00	58.83	Vertical
116.9163	-64.67	-13.00	51.67	Vertical
1399.2799	-57.63	-13.00	44.63	Vertical
3000.0000	-55.36	-13.00	42.36	Vertical
7998.8000	-55.54	-13.00	42.54	Vertical
17999.4000	-38.84	-13.00	25.84	Vertical
42.2711	-63.35	-13.00	50.35	Horizontal
238.0754	-67.60	-13.00	54.60	Horizontal
499.6490	-65.29	-13.00	52.29	Horizontal
1398.8798	-53.89	-13.00	40.89	Horizontal
2697.9396	-55.43	-13.00	42.43	Horizontal
16399.1360	-41.28	-13.00	28.28	Horizontal

7.1.2.Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
57.1614	-72.51	-13.00	59.51	Vertical
118.7109	-64.57	-13.00	51.57	Vertical
1406.0812	-58.71	-13.00	45.71	Vertical
2996.7994	-55.64	-13.00	42.64	Vertical
7465.9786	-55.35	-13.00	42.35	Vertical
17993.9998	-38.95	-13.00	25.95	Vertical
44.9387	-63.91	-13.00	50.91	Horizontal
228.5689	-68.22	-13.00	55.22	Horizontal
1406.0812	-52.18	-13.00	39.18	Horizontal
2709.5419	-55.24	-13.00	42.24	Horizontal
7482.1793	-55.92	-13.00	42.92	Horizontal
16399.1360	-41.71	-13.00	28.71	Horizontal

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7.1.3.Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
49.5950	-72.12	-13.00	59.12	Vertical
116.0433	-65.02	-13.00	52.02	Vertical
1413.2827	-61.18	-13.00	48.18	Vertical
2998.3997	-55.70	-13.00	42.70	Vertical
7365.1746	-55.40	-13.00	42.40	Vertical
17995.1998	-39.11	-13.00	26.11	Vertical
44.0172	-64.01	-13.00	51.01	Horizontal
233.2252	-67.73	-13.00	54.73	Horizontal
1412.8826	-56.54	-13.00	43.54	Horizontal
2699.1398	-55.45	-13.00	42.45	Horizontal
7483.9794	-55.84	-13.00	42.84	Horizontal
16393.7357	-41.87	-13.00	28.87	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 (℃)	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 (℃)	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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