

# Appendix B

## E-UTRA Band 12



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

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# 1 Effective (Isotropic) Radiated Power

## 1.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	23.30	22.76	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	23.36	22.82	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	23.27	22.73	34.77	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	23.32	22.78	34.77	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	23.31	22.77	34.77	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	23.32	22.78	34.77	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.30	21.76	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	23.31	22.77	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.34	22.8	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	23.32	22.78	34.77	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	23.32	22.78	34.77	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	23.34	22.8	34.77	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	23.34	22.8	34.77	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.32	21.78	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.24	22.7	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	23.27	22.73	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	23.28	22.74	34.77	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	23.29	22.75	34.77	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	23.33	22.79	34.77	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	23.30	22.76	34.77	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.29	21.75	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#5	21.68	21.14	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#2	21.68	21.14	34.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#0	21.65	21.11	34.77	PASS
Band12	1.4MHz	64QAM	23017	3RB#3	21.59	21.05	34.77	PASS
Band12	1.4MHz	64QAM	23017	3RB#0	21.59	21.05	34.77	PASS
Band12	1.4MHz	64QAM	23017	3RB#1	21.61	21.07	34.77	PASS



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Band12	1.4MHz	64QAM	23017	6RB#0	20.66	20.12	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#5	21.59	21.05	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#2	21.70	21.16	34.77	PASS
Band12	1.4MHz	64QAM	23095	1RB#0	21.61	21.07	34.77	PASS
Band12	1.4MHz	64QAM	23095	3RB#3	21.59	21.05	34.77	PASS
Band12	1.4MHz	64QAM	23095	3RB#1	21.64	21.1	34.77	PASS
Band12	1.4MHz	64QAM	23095	3RB#0	21.65	21.11	34.77	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	20.71	20.17	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#2	21.63	21.09	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#5	21.63	21.09	34.77	PASS
Band12	1.4MHz	64QAM	23173	1RB#0	21.55	21.01	34.77	PASS
Band12	1.4MHz	64QAM	23173	3RB#0	21.55	21.01	34.77	PASS
Band12	1.4MHz	64QAM	23173	3RB#3	21.60	21.06	34.77	PASS
Band12	1.4MHz	64QAM	23173	3RB#1	21.58	21.04	34.77	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	20.61	20.07	34.77	PASS
Band12	1.4MHz	256QAM	23017	1RB#0	18.61	18.07	34.77	PASS
Band12	1.4MHz	256QAM	23017	1RB#2	18.71	18.17	34.77	PASS
Band12	1.4MHz	256QAM	23017	1RB#5	18.61	18.07	34.77	PASS
Band12	1.4MHz	256QAM	23017	3RB#3	18.50	17.96	34.77	PASS
Band12	1.4MHz	256QAM	23017	3RB#0	18.46	17.92	34.77	PASS
Band12	1.4MHz	256QAM	23017	3RB#1	18.48	17.94	34.77	PASS
Band12	1.4MHz	256QAM	23017	6RB#0	18.40	17.86	34.77	PASS
Band12	1.4MHz	256QAM	23095	1RB#0	18.54	18	34.77	PASS
Band12	1.4MHz	256QAM	23095	1RB#2	18.63	18.09	34.77	PASS
Band12	1.4MHz	256QAM	23095	1RB#5	18.63	18.09	34.77	PASS
Band12	1.4MHz	256QAM	23095	3RB#0	18.50	17.96	34.77	PASS
Band12	1.4MHz	256QAM	23095	3RB#1	18.49	17.95	34.77	PASS
Band12	1.4MHz	256QAM	23095	3RB#3	18.40	17.86	34.77	PASS
Band12	1.4MHz	256QAM	23095	6RB#0	18.43	17.89	34.77	PASS
Band12	1.4MHz	256QAM	23173	1RB#5	18.55	18.01	34.77	PASS
Band12	1.4MHz	256QAM	23173	1RB#0	18.59	18.05	34.77	PASS
Band12	1.4MHz	256QAM	23173	1RB#2	18.54	18	34.77	PASS
Band12	1.4MHz	256QAM	23173	3RB#1	18.43	17.89	34.77	PASS



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Band12	1.4MHz	256QAM	23173	3RB#3	18.41	17.87	34.77	PASS
Band12	1.4MHz	256QAM	23173	3RB#0	18.39	17.85	34.77	PASS
Band12	1.4MHz	256QAM	23173	6RB#0	18.38	17.84	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	22.53	21.99	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	22.44	21.9	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	22.48	21.94	34.77	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	22.44	21.9	34.77	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	22.38	21.84	34.77	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	22.32	21.78	34.77	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	21.35	20.81	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	22.50	21.96	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.45	21.91	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	22.64	22.1	34.77	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	22.39	21.85	34.77	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	22.42	21.88	34.77	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	22.49	21.95	34.77	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	21.38	20.84	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	22.39	21.85	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	22.43	21.89	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	22.42	21.88	34.77	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	22.42	21.88	34.77	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	22.36	21.82	34.77	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	22.41	21.87	34.77	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	21.33	20.79	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.28	22.74	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#0	23.29	22.75	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#8	23.29	22.75	34.77	PASS
Band12	3MHz	QPSK	23025	8RB#0	22.30	21.76	34.77	PASS
Band12	3MHz	QPSK	23025	8RB#4	22.27	21.73	34.77	PASS
Band12	3MHz	QPSK	23025	8RB#7	22.26	21.72	34.77	PASS
Band12	3MHz	QPSK	23025	15RB#0	22.29	21.75	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#14	23.30	22.76	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#0	23.35	22.81	34.77	PASS



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Band12	3MHz	QPSK	23095	1RB#8	23.30	22.76	34.77	PASS
Band12	3MHz	QPSK	23095	8RB#4	22.30	21.76	34.77	PASS
Band12	3MHz	QPSK	23095	8RB#0	22.29	21.75	34.77	PASS
Band12	3MHz	QPSK	23095	8RB#7	22.27	21.73	34.77	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.29	21.75	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.29	22.75	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#8	23.28	22.74	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#14	23.25	22.71	34.77	PASS
Band12	3MHz	QPSK	23165	8RB#0	22.27	21.73	34.77	PASS
Band12	3MHz	QPSK	23165	8RB#4	22.24	21.7	34.77	PASS
Band12	3MHz	QPSK	23165	8RB#7	22.25	21.71	34.77	PASS
Band12	3MHz	QPSK	23165	15RB#0	22.25	21.71	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#8	21.67	21.13	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#14	21.71	21.17	34.77	PASS
Band12	3MHz	64QAM	23025	1RB#0	21.61	21.07	34.77	PASS
Band12	3MHz	64QAM	23025	8RB#0	20.66	20.12	34.77	PASS
Band12	3MHz	64QAM	23025	8RB#4	20.67	20.13	34.77	PASS
Band12	3MHz	64QAM	23025	8RB#7	20.68	20.14	34.77	PASS
Band12	3MHz	64QAM	23025	15RB#0	20.71	20.17	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#14	21.62	21.08	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#0	21.66	21.12	34.77	PASS
Band12	3MHz	64QAM	23095	1RB#8	21.65	21.11	34.77	PASS
Band12	3MHz	64QAM	23095	8RB#7	20.64	20.1	34.77	PASS
Band12	3MHz	64QAM	23095	8RB#4	20.64	20.1	34.77	PASS
Band12	3MHz	64QAM	23095	8RB#0	20.62	20.08	34.77	PASS
Band12	3MHz	64QAM	23095	15RB#0	20.63	20.09	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#8	21.55	21.01	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#14	21.61	21.07	34.77	PASS
Band12	3MHz	64QAM	23165	1RB#0	21.64	21.1	34.77	PASS
Band12	3MHz	64QAM	23165	8RB#7	20.60	20.06	34.77	PASS
Band12	3MHz	64QAM	23165	8RB#4	20.65	20.11	34.77	PASS
Band12	3MHz	64QAM	23165	8RB#0	20.63	20.09	34.77	PASS
Band12	3MHz	64QAM	23165	15RB#0	20.66	20.12	34.77	PASS



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Band12	3MHz	256QAM	23025	1RB#0	18.65	18.11	34.77	PASS
Band12	3MHz	256QAM	23025	1RB#8	18.60	18.06	34.77	PASS
Band12	3MHz	256QAM	23025	1RB#14	18.53	17.99	34.77	PASS
Band12	3MHz	256QAM	23025	8RB#0	18.47	17.93	34.77	PASS
Band12	3MHz	256QAM	23025	8RB#4	18.46	17.92	34.77	PASS
Band12	3MHz	256QAM	23025	8RB#7	18.39	17.85	34.77	PASS
Band12	3MHz	256QAM	23025	15RB#0	18.45	17.91	34.77	PASS
Band12	3MHz	256QAM	23095	1RB#0	18.60	18.06	34.77	PASS
Band12	3MHz	256QAM	23095	1RB#14	18.56	18.02	34.77	PASS
Band12	3MHz	256QAM	23095	1RB#8	18.58	18.04	34.77	PASS
Band12	3MHz	256QAM	23095	8RB#7	18.42	17.88	34.77	PASS
Band12	3MHz	256QAM	23095	8RB#0	18.43	17.89	34.77	PASS
Band12	3MHz	256QAM	23095	8RB#4	18.40	17.86	34.77	PASS
Band12	3MHz	256QAM	23095	15RB#0	18.38	17.84	34.77	PASS
Band12	3MHz	256QAM	23165	1RB#14	18.54	18	34.77	PASS
Band12	3MHz	256QAM	23165	1RB#0	18.58	18.04	34.77	PASS
Band12	3MHz	256QAM	23165	1RB#8	18.58	18.04	34.77	PASS
Band12	3MHz	256QAM	23165	8RB#0	18.42	17.88	34.77	PASS
Band12	3MHz	256QAM	23165	8RB#7	18.39	17.85	34.77	PASS
Band12	3MHz	256QAM	23165	8RB#4	18.38	17.84	34.77	PASS
Band12	3MHz	256QAM	23165	15RB#0	18.38	17.84	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#0	22.51	21.97	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#14	22.46	21.92	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#8	22.44	21.9	34.77	PASS
Band12	3MHz	16QAM	23025	8RB#7	21.24	20.7	34.77	PASS
Band12	3MHz	16QAM	23025	8RB#4	21.32	20.78	34.77	PASS
Band12	3MHz	16QAM	23025	8RB#0	21.33	20.79	34.77	PASS
Band12	3MHz	16QAM	23025	15RB#0	21.25	20.71	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#0	22.55	22.01	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#8	22.55	22.01	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.53	21.99	34.77	PASS
Band12	3MHz	16QAM	23095	8RB#7	21.30	20.76	34.77	PASS
Band12	3MHz	16QAM	23095	8RB#0	21.27	20.73	34.77	PASS



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Band12	3MHz	16QAM	23095	8RB#4	21.35	20.81	34.77	PASS
Band12	3MHz	16QAM	23095	15RB#0	21.21	20.67	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#0	22.44	21.9	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#8	22.47	21.93	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#14	22.42	21.88	34.77	PASS
Band12	3MHz	16QAM	23165	8RB#0	21.32	20.78	34.77	PASS
Band12	3MHz	16QAM	23165	8RB#4	21.29	20.75	34.77	PASS
Band12	3MHz	16QAM	23165	8RB#7	21.29	20.75	34.77	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.23	20.69	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.37	22.83	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#0	23.32	22.78	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#24	23.39	22.85	34.77	PASS
Band12	5MHz	QPSK	23035	12RB#6	22.31	21.77	34.77	PASS
Band12	5MHz	QPSK	23035	12RB#13	22.27	21.73	34.77	PASS
Band12	5MHz	QPSK	23035	12RB#0	22.35	21.81	34.77	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.32	21.78	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#0	23.38	22.84	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.38	22.84	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#24	23.31	22.77	34.77	PASS
Band12	5MHz	QPSK	23095	12RB#0	22.30	21.76	34.77	PASS
Band12	5MHz	QPSK	23095	12RB#6	22.33	21.79	34.77	PASS
Band12	5MHz	QPSK	23095	12RB#13	22.28	21.74	34.77	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.28	21.74	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#0	23.30	22.76	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#24	23.32	22.78	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.36	22.82	34.77	PASS
Band12	5MHz	QPSK	23155	12RB#13	22.22	21.68	34.77	PASS
Band12	5MHz	QPSK	23155	12RB#6	22.24	21.7	34.77	PASS
Band12	5MHz	QPSK	23155	12RB#0	22.38	21.84	34.77	PASS
Band12	5MHz	QPSK	23155	25RB#0	22.34	21.8	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#12	21.66	21.12	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#24	21.71	21.17	34.77	PASS
Band12	5MHz	64QAM	23035	1RB#0	21.68	21.14	34.77	PASS



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No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Band12	5MHz	64QAM	23035	12RB#0	20.72	20.18	34.77	PASS
Band12	5MHz	64QAM	23035	12RB#6	20.76	20.22	34.77	PASS
Band12	5MHz	64QAM	23035	12RB#13	20.65	20.11	34.77	PASS
Band12	5MHz	64QAM	23035	25RB#0	20.72	20.18	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#0	21.67	21.13	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#12	21.65	21.11	34.77	PASS
Band12	5MHz	64QAM	23095	1RB#24	21.69	21.15	34.77	PASS
Band12	5MHz	64QAM	23095	12RB#0	20.69	20.15	34.77	PASS
Band12	5MHz	64QAM	23095	12RB#13	20.65	20.11	34.77	PASS
Band12	5MHz	64QAM	23095	12RB#6	20.68	20.14	34.77	PASS
Band12	5MHz	64QAM	23095	25RB#0	20.64	20.1	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#12	21.67	21.13	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#24	21.63	21.09	34.77	PASS
Band12	5MHz	64QAM	23155	1RB#0	21.63	21.09	34.77	PASS
Band12	5MHz	64QAM	23155	12RB#0	20.70	20.16	34.77	PASS
Band12	5MHz	64QAM	23155	12RB#6	20.66	20.12	34.77	PASS
Band12	5MHz	64QAM	23155	12RB#13	20.68	20.14	34.77	PASS
Band12	5MHz	64QAM	23155	25RB#0	20.73	20.19	34.77	PASS
Band12	5MHz	256QAM	23035	1RB#24	18.65	18.11	34.77	PASS
Band12	5MHz	256QAM	23035	1RB#12	18.64	18.1	34.77	PASS
Band12	5MHz	256QAM	23035	1RB#0	18.64	18.1	34.77	PASS
Band12	5MHz	256QAM	23035	12RB#0	18.49	17.95	34.77	PASS
Band12	5MHz	256QAM	23035	12RB#13	18.43	17.89	34.77	PASS
Band12	5MHz	256QAM	23035	12RB#6	18.46	17.92	34.77	PASS
Band12	5MHz	256QAM	23035	25RB#0	18.48	17.94	34.77	PASS
Band12	5MHz	256QAM	23095	1RB#24	18.52	17.98	34.77	PASS
Band12	5MHz	256QAM	23095	1RB#12	18.64	18.1	34.77	PASS
Band12	5MHz	256QAM	23095	1RB#0	18.59	18.05	34.77	PASS
Band12	5MHz	256QAM	23095	12RB#6	18.44	17.9	34.77	PASS
Band12	5MHz	256QAM	23095	12RB#0	18.40	17.86	34.77	PASS
Band12	5MHz	256QAM	23095	12RB#13	18.37	17.83	34.77	PASS
Band12	5MHz	256QAM	23095	25RB#0	18.42	17.88	34.77	PASS
Band12	5MHz	256QAM	23155	1RB#12	18.54	18	34.77	PASS



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



Band12	5MHz	256QAM	23155	1RB#0	18.52	17.98	34.77	PASS
Band12	5MHz	256QAM	23155	1RB#24	18.50	17.96	34.77	PASS
Band12	5MHz	256QAM	23155	12RB#13	18.39	17.85	34.77	PASS
Band12	5MHz	256QAM	23155	12RB#6	18.39	17.85	34.77	PASS
Band12	5MHz	256QAM	23155	12RB#0	18.46	17.92	34.77	PASS
Band12	5MHz	256QAM	23155	25RB#0	18.48	17.94	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#0	22.48	21.94	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#24	22.62	22.08	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#12	22.55	22.01	34.77	PASS
Band12	5MHz	16QAM	23035	12RB#0	21.31	20.77	34.77	PASS
Band12	5MHz	16QAM	23035	12RB#6	21.29	20.75	34.77	PASS
Band12	5MHz	16QAM	23035	12RB#13	21.24	20.7	34.77	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.30	20.76	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.63	22.09	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#0	22.49	21.95	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#24	22.44	21.9	34.77	PASS
Band12	5MHz	16QAM	23095	12RB#13	21.31	20.77	34.77	PASS
Band12	5MHz	16QAM	23095	12RB#0	21.27	20.73	34.77	PASS
Band12	5MHz	16QAM	23095	12RB#6	21.32	20.78	34.77	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.28	20.74	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#0	22.49	21.95	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#12	22.43	21.89	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#24	22.39	21.85	34.77	PASS
Band12	5MHz	16QAM	23155	12RB#0	21.35	20.81	34.77	PASS
Band12	5MHz	16QAM	23155	12RB#6	21.20	20.66	34.77	PASS
Band12	5MHz	16QAM	23155	12RB#13	21.18	20.64	34.77	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.28	20.74	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.34	22.8	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.33	22.79	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.28	22.74	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#0	22.36	21.82	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#12	22.25	21.71	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#25	22.42	21.88	34.77	PASS



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Band12	10MHz	QPSK	23060	50RB#0	22.42	21.88	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.35	22.81	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#49	23.25	22.71	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.33	22.79	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#0	22.23	21.69	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#12	22.27	21.73	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#25	22.24	21.7	34.77	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.24	21.7	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.31	22.77	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#24	23.35	22.81	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#49	23.27	22.73	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#0	22.27	21.73	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#12	22.31	21.77	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#25	22.24	21.7	34.77	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.28	21.74	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#49	21.63	21.09	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#24	21.65	21.11	34.77	PASS
Band12	10MHz	64QAM	23060	1RB#0	21.73	21.19	34.77	PASS
Band12	10MHz	64QAM	23060	25RB#25	20.80	20.26	34.77	PASS
Band12	10MHz	64QAM	23060	25RB#12	20.69	20.15	34.77	PASS
Band12	10MHz	64QAM	23060	25RB#0	20.70	20.16	34.77	PASS
Band12	10MHz	64QAM	23060	50RB#0	20.73	20.19	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#49	21.63	21.09	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#24	21.69	21.15	34.77	PASS
Band12	10MHz	64QAM	23095	1RB#0	21.68	21.14	34.77	PASS
Band12	10MHz	64QAM	23095	25RB#25	20.66	20.12	34.77	PASS
Band12	10MHz	64QAM	23095	25RB#0	20.67	20.13	34.77	PASS
Band12	10MHz	64QAM	23095	25RB#12	20.71	20.17	34.77	PASS
Band12	10MHz	64QAM	23095	50RB#0	20.62	20.08	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#24	21.73	21.19	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#49	21.63	21.09	34.77	PASS
Band12	10MHz	64QAM	23130	1RB#0	21.68	21.14	34.77	PASS
Band12	10MHz	64QAM	23130	25RB#12	20.66	20.12	34.77	PASS



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Band12	10MHz	64QAM	23130	25RB#0	20.66	20.12	34.77	PASS
Band12	10MHz	64QAM	23130	25RB#25	20.74	20.2	34.77	PASS
Band12	10MHz	64QAM	23130	50RB#0	20.69	20.15	34.77	PASS
Band12	10MHz	256QAM	23060	1RB#0	18.61	18.07	34.77	PASS
Band12	10MHz	256QAM	23060	1RB#49	18.51	17.97	34.77	PASS
Band12	10MHz	256QAM	23060	1RB#24	18.70	18.16	34.77	PASS
Band12	10MHz	256QAM	23060	25RB#25	18.58	18.04	34.77	PASS
Band12	10MHz	256QAM	23060	25RB#12	18.50	17.96	34.77	PASS
Band12	10MHz	256QAM	23060	25RB#0	18.54	18	34.77	PASS
Band12	10MHz	256QAM	23060	50RB#0	18.52	17.98	34.77	PASS
Band12	10MHz	256QAM	23095	1RB#0	18.64	18.1	34.77	PASS
Band12	10MHz	256QAM	23095	1RB#24	18.66	18.12	34.77	PASS
Band12	10MHz	256QAM	23095	1RB#49	18.58	18.04	34.77	PASS
Band12	10MHz	256QAM	23095	25RB#0	18.44	17.9	34.77	PASS
Band12	10MHz	256QAM	23095	25RB#12	18.44	17.9	34.77	PASS
Band12	10MHz	256QAM	23095	25RB#25	18.41	17.87	34.77	PASS
Band12	10MHz	256QAM	23095	50RB#0	18.39	17.85	34.77	PASS
Band12	10MHz	256QAM	23130	1RB#24	18.67	18.13	34.77	PASS
Band12	10MHz	256QAM	23130	1RB#49	18.50	17.96	34.77	PASS
Band12	10MHz	256QAM	23130	1RB#0	18.61	18.07	34.77	PASS
Band12	10MHz	256QAM	23130	25RB#0	18.48	17.94	34.77	PASS
Band12	10MHz	256QAM	23130	25RB#25	18.43	17.89	34.77	PASS
Band12	10MHz	256QAM	23130	25RB#12	18.44	17.9	34.77	PASS
Band12	10MHz	256QAM	23130	50RB#0	18.42	17.88	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.52	21.98	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#49	22.43	21.89	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#0	22.58	22.04	34.77	PASS
Band12	10MHz	16QAM	23060	25RB#12	21.32	20.78	34.77	PASS
Band12	10MHz	16QAM	23060	25RB#25	21.36	20.82	34.77	PASS
Band12	10MHz	16QAM	23060	25RB#0	21.32	20.78	34.77	PASS
Band12	10MHz	16QAM	23060	50RB#0	21.35	20.81	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#0	22.48	21.94	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#24	22.64	22.1	34.77	PASS



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Band12	10MHz	16QAM	23095	1RB#49	22.38	21.84	34.77	PASS
Band12	10MHz	16QAM	23095	25RB#25	21.24	20.7	34.77	PASS
Band12	10MHz	16QAM	23095	25RB#0	21.23	20.69	34.77	PASS
Band12	10MHz	16QAM	23095	25RB#12	21.25	20.71	34.77	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.22	20.68	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#0	22.54	22	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#24	22.51	21.97	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#49	22.49	21.95	34.77	PASS
Band12	10MHz	16QAM	23130	25RB#12	21.26	20.72	34.77	PASS
Band12	10MHz	16QAM	23130	25RB#0	21.21	20.67	34.77	PASS
Band12	10MHz	16QAM	23130	25RB#25	21.24	20.7	34.77	PASS
Band12	10MHz	16QAM	23130	50RB#0	21.23	20.69	34.77	PASS

Remark:

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

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

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

The conducted Power is measured by Base Station Simulator



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## 2. Peak-to-Average Ratio (CCDF)

### 2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	10MHz	QPSK	23060	50RB#0	5.71	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.54	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.54	13	PASS
Band12	10MHz	64QAM	23060	50RB#0	6.35	13	PASS
Band12	10MHz	64QAM	23095	50RB#0	6.32	13	PASS
Band12	10MHz	64QAM	23130	50RB#0	6.32	13	PASS
Band12	10MHz	256QAM	23060	50RB#0	6.41	13	PASS
Band12	10MHz	256QAM	23095	50RB#0	6.35	13	PASS
Band12	10MHz	256QAM	23130	50RB#0	6.32	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.26	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.20	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.17	13	PASS



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## 2.2. Test Plots

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



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

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



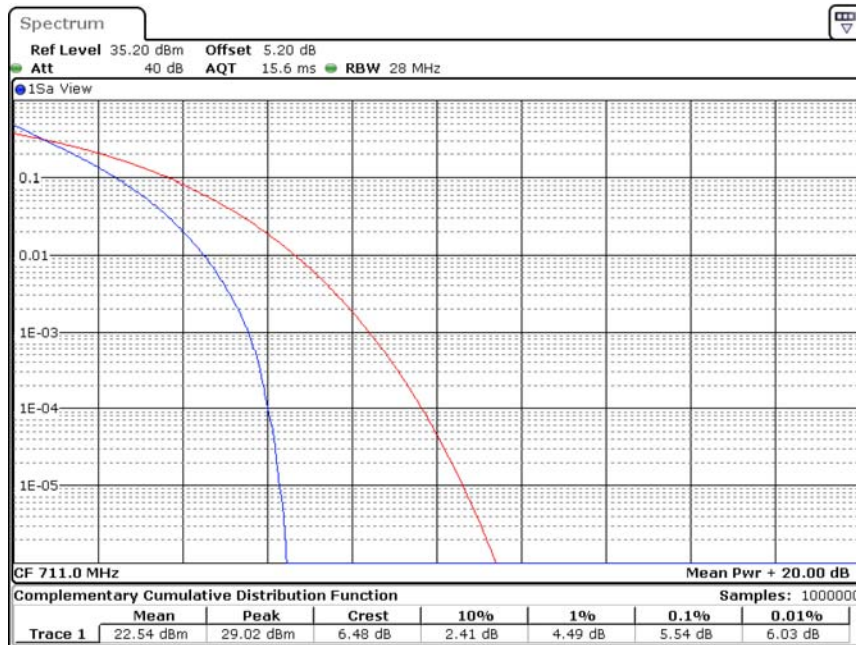
Date: 16.MAY.2021 11:58:44



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



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

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

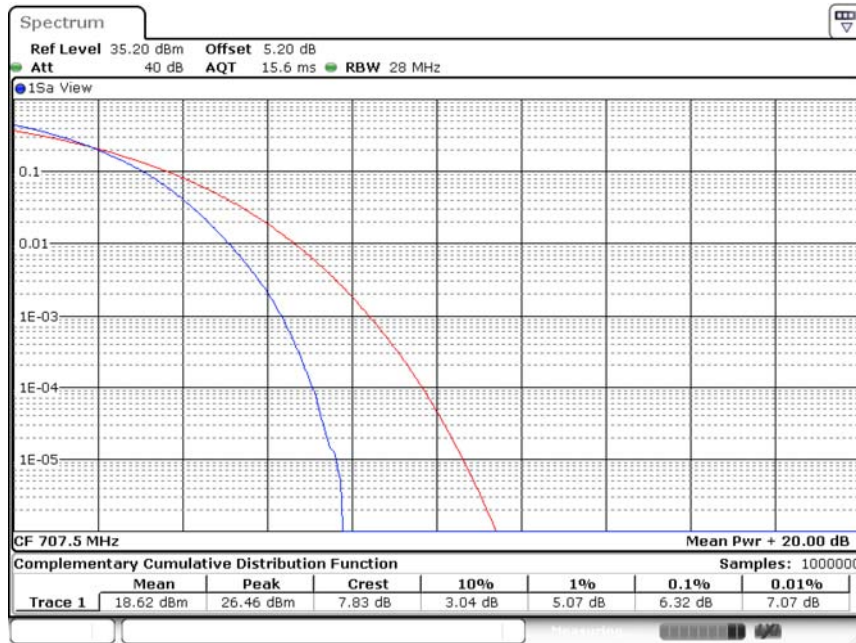


Date: 5.MAY.2021 04:49:54



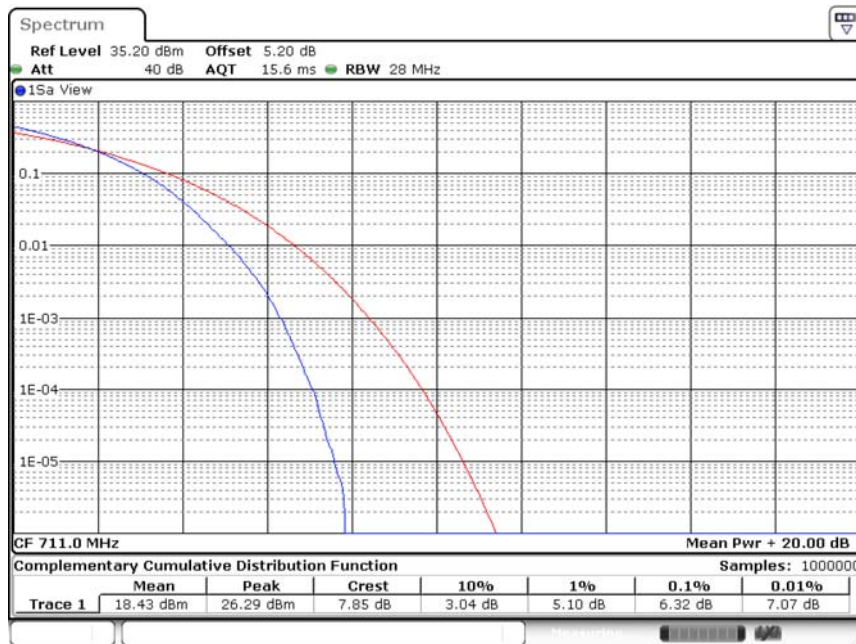
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**Band12-10MHz-64QAM-23095-50RB#0**



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

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

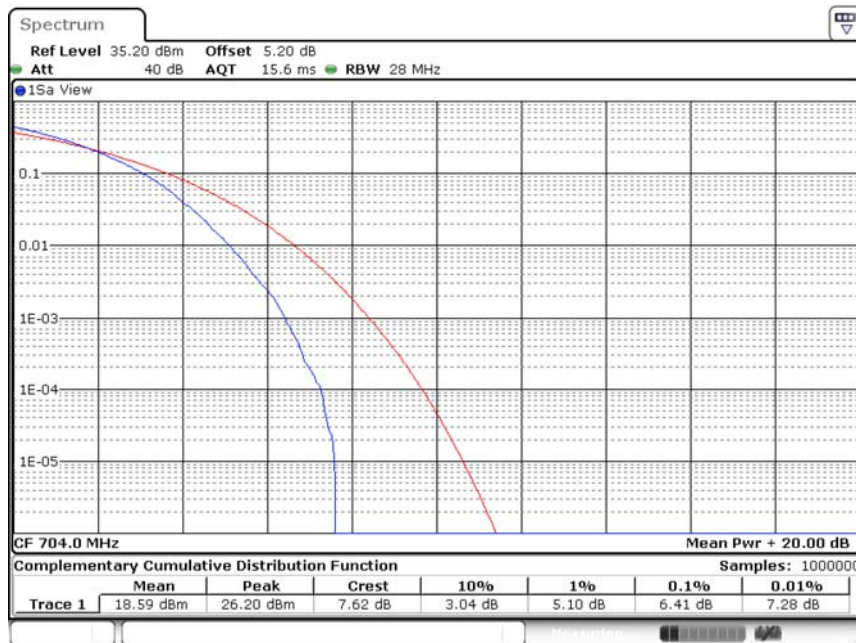


Date: 5.MAY.2021 04:50:17



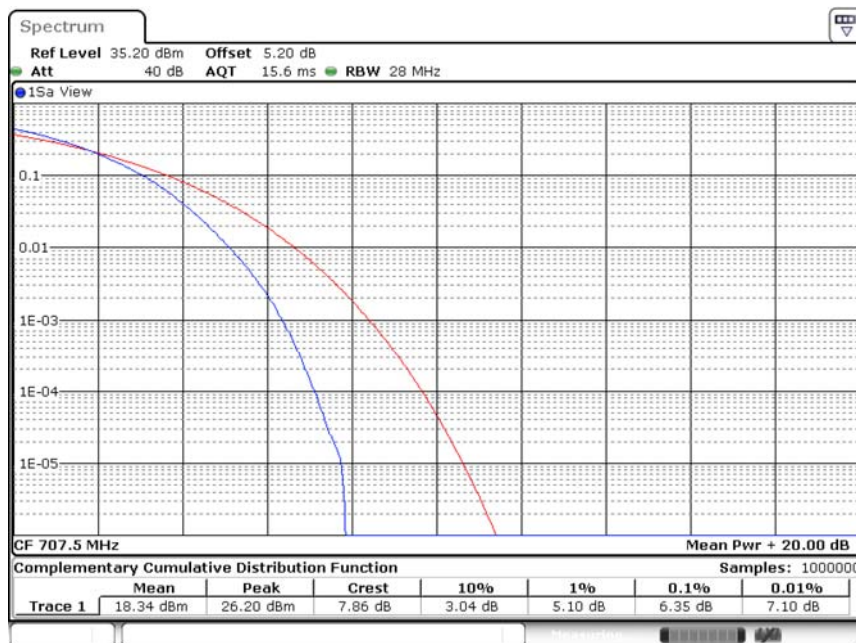
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**Band12-10MHz-256QAM-23060-50RB#0**



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

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



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



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



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

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

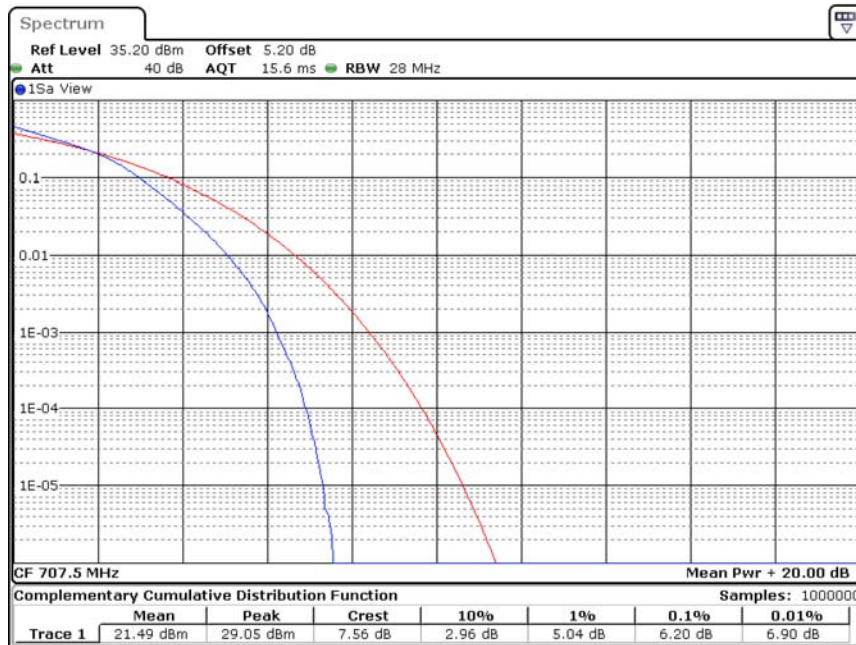


Date: 16.MAY.2021 11:58:32



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



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

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



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

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



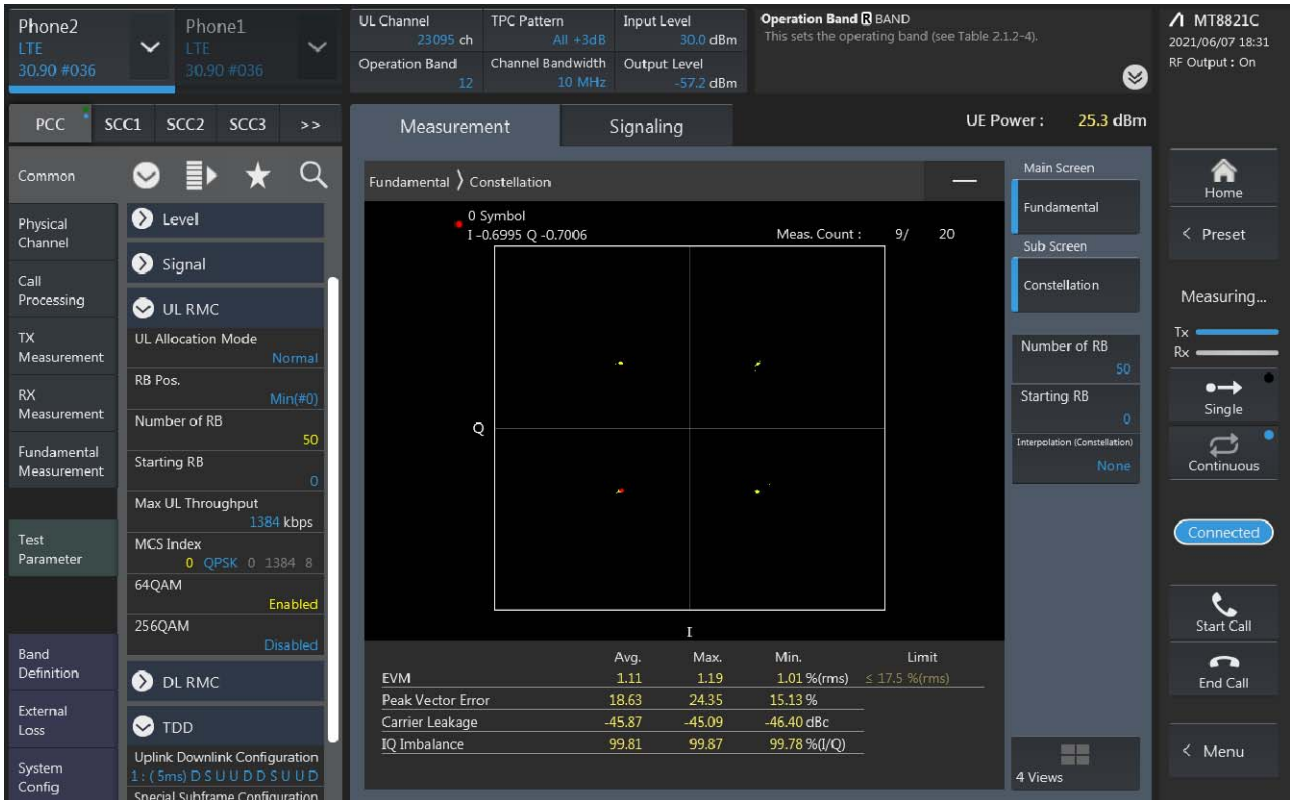
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### 3. Modulation Characteristics

#### 3.1. Test Mode = LTE /TM1 10MHz

##### 3.1.1. Test Channel = MCH



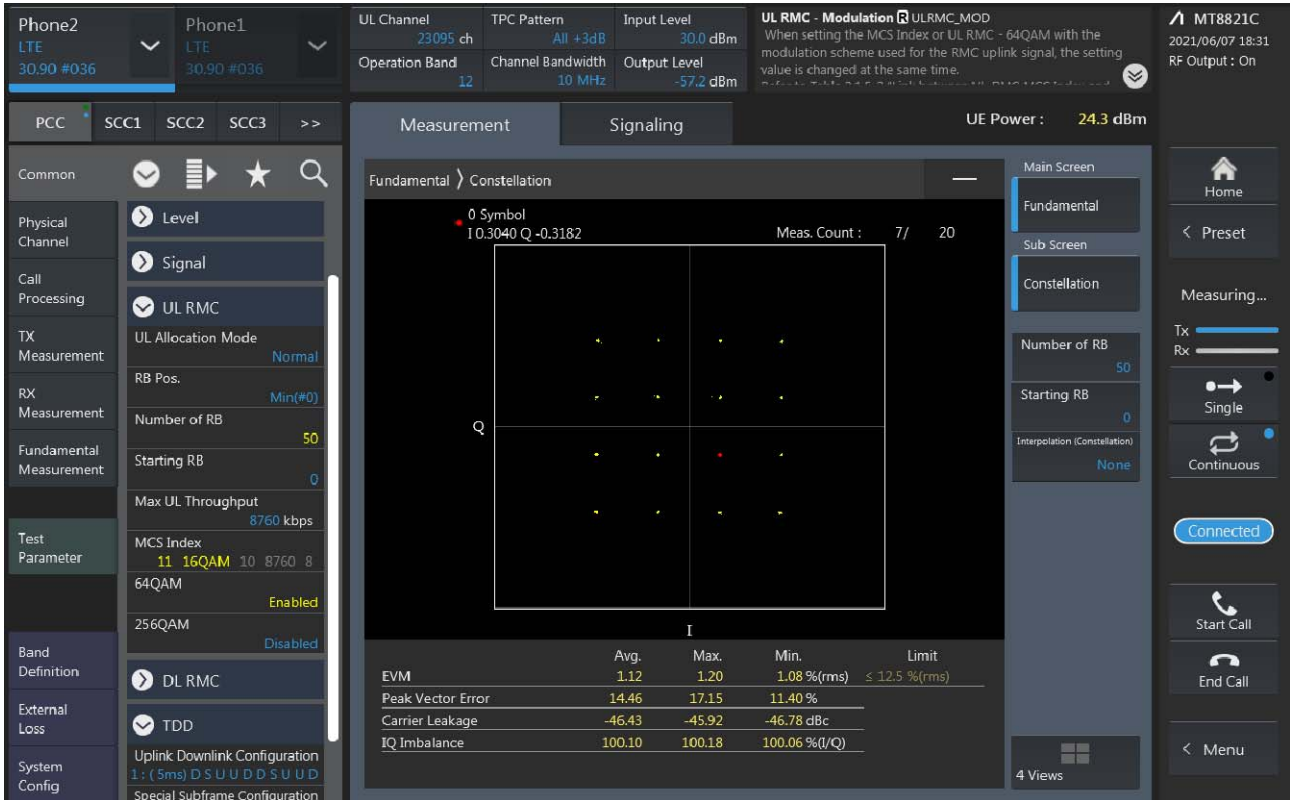
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### 3.2. Test Mode = LTE /TM2 10MHz

#### 3.2.1. Test Channel = MCH



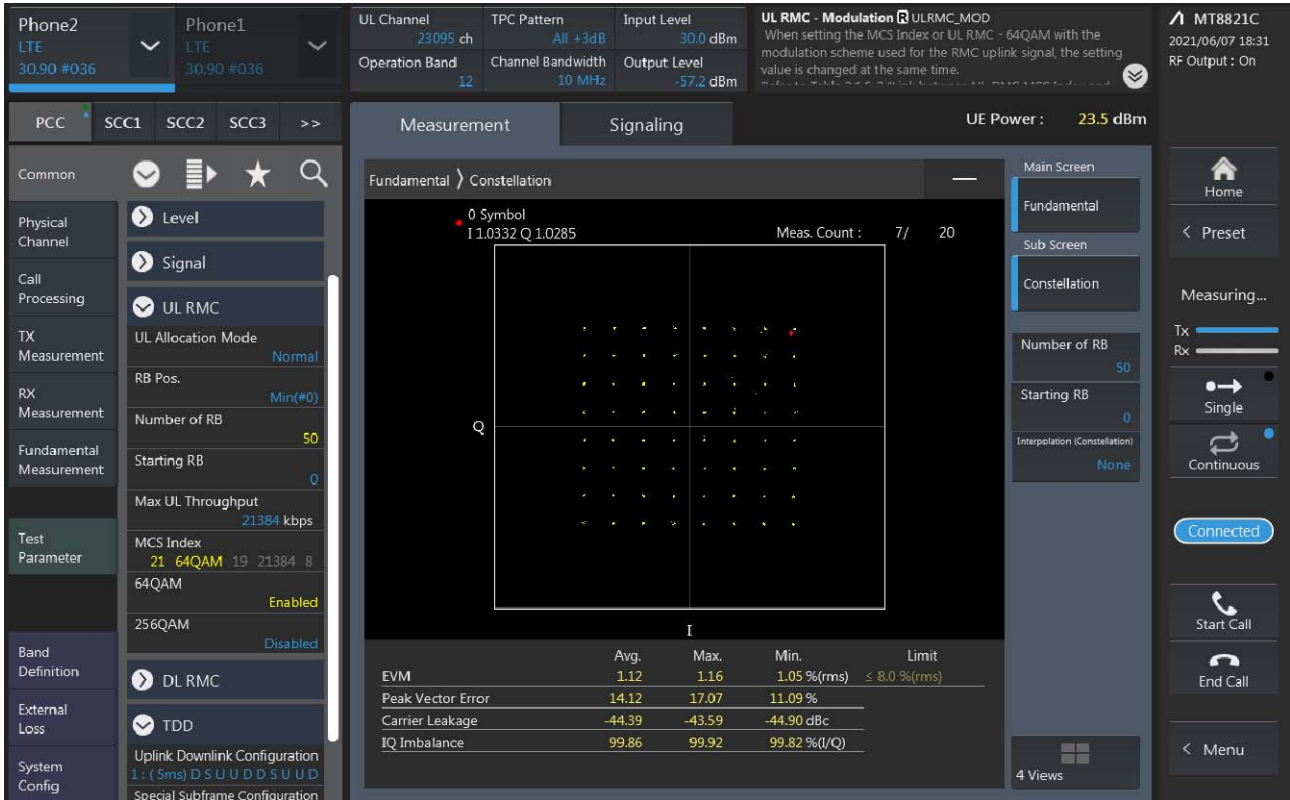
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### 3.3. Test Mode = LTE /TM3 10MHz

#### 3.3.1. Test Channel = MCH



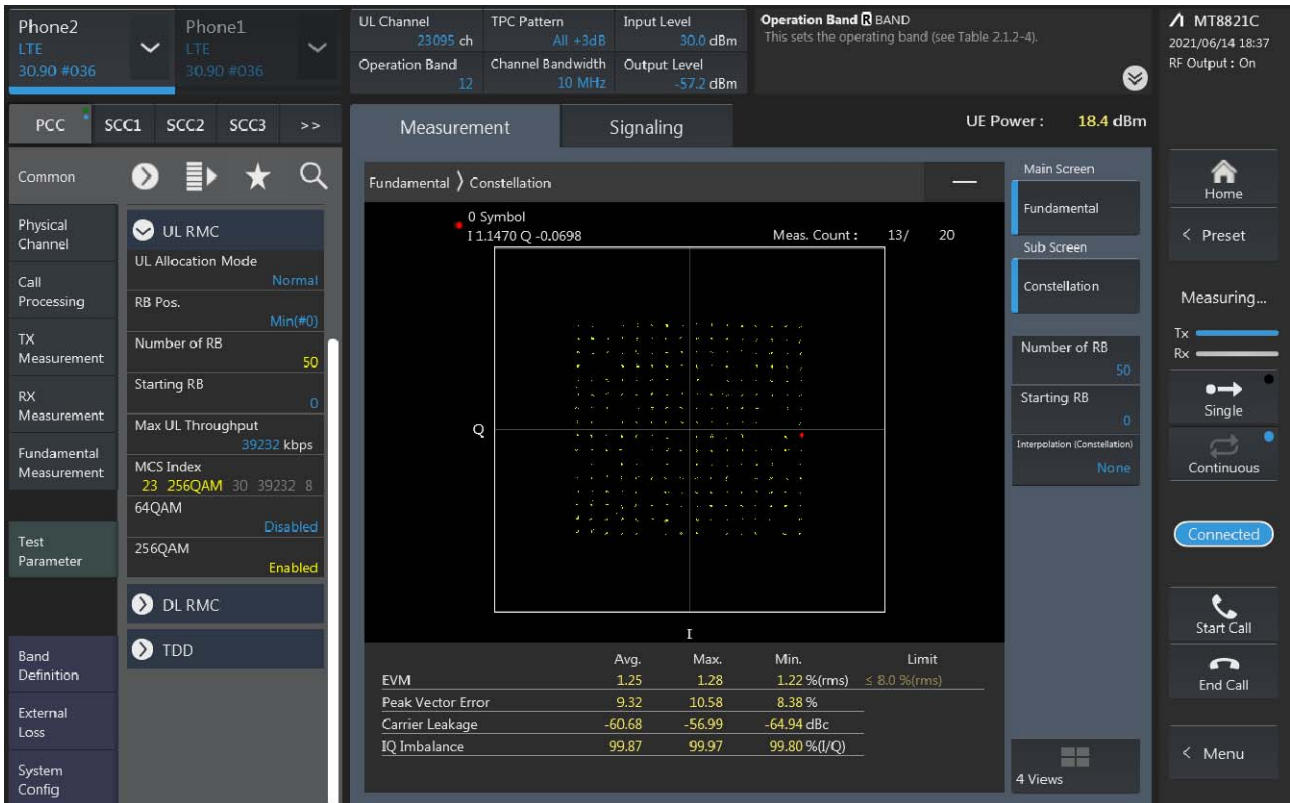
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### 3.4. Test Mode = LTE /TM4 10MHz

#### 3.4.1. Test Channel = MCH



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## 4. 26dB Bandwidth and Occupied Bandwidth

### 4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.091	1.275	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.091	1.296	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.091	1.284	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	1.094	1.278	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	1.094	1.290	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	1.094	1.287	PASS
Band12	1.4MHz	256QAM	23017	6RB#0	1.091	1.293	PASS
Band12	1.4MHz	256QAM	23095	6RB#0	1.088	1.293	PASS
Band12	1.4MHz	256QAM	23173	6RB#0	1.094	1.287	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.088	1.272	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.091	1.287	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.091	1.293	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.685	2.946	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.691	2.934	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.691	2.952	PASS
Band12	3MHz	64QAM	23025	15RB#0	2.685	2.928	PASS
Band12	3MHz	64QAM	23095	15RB#0	2.685	2.940	PASS
Band12	3MHz	64QAM	23165	15RB#0	2.685	2.922	PASS
Band12	3MHz	256QAM	23025	15RB#0	2.685	2.934	PASS
Band12	3MHz	256QAM	23095	15RB#0	2.685	2.940	PASS
Band12	3MHz	256QAM	23165	15RB#0	2.685	2.952	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.679	2.928	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.679	2.928	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.685	2.928	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.476	4.850	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.466	4.860	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.476	4.870	PASS
Band12	5MHz	64QAM	23035	25RB#0	4.466	4.860	PASS
Band12	5MHz	64QAM	23095	25RB#0	4.466	4.870	PASS
Band12	5MHz	64QAM	23155	25RB#0	4.476	4.860	PASS
Band12	5MHz	256QAM	23035	25RB#0	4.486	4.890	PASS



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

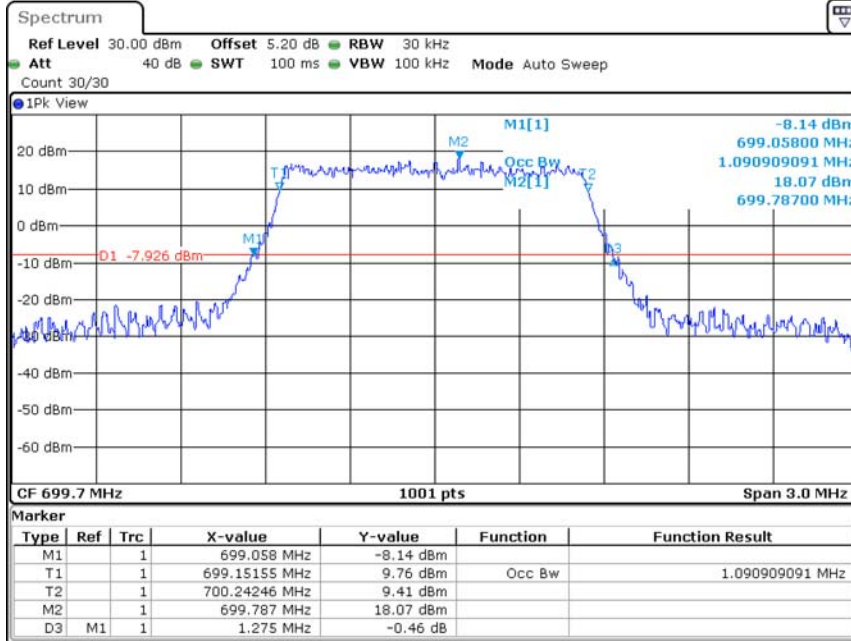


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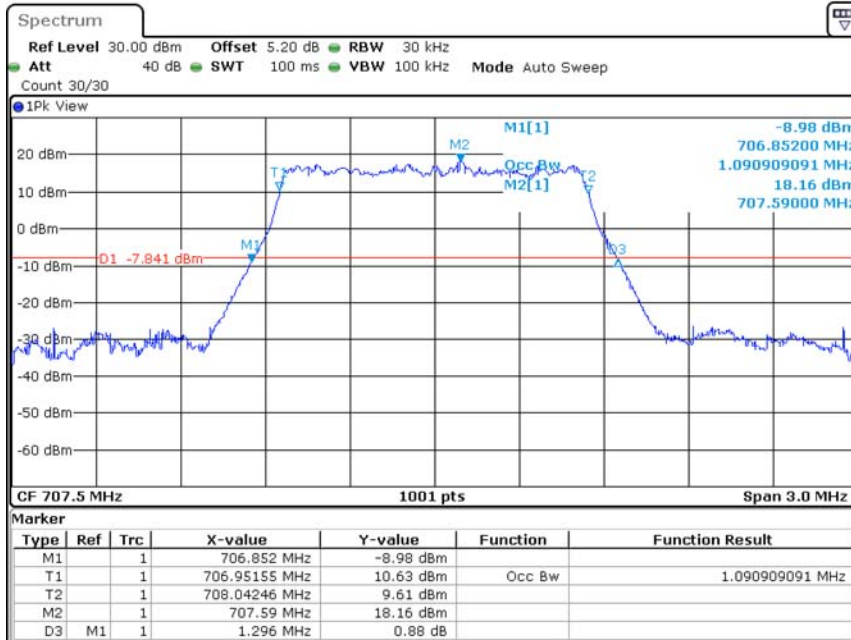
### 4.2. Test Plots

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



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

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

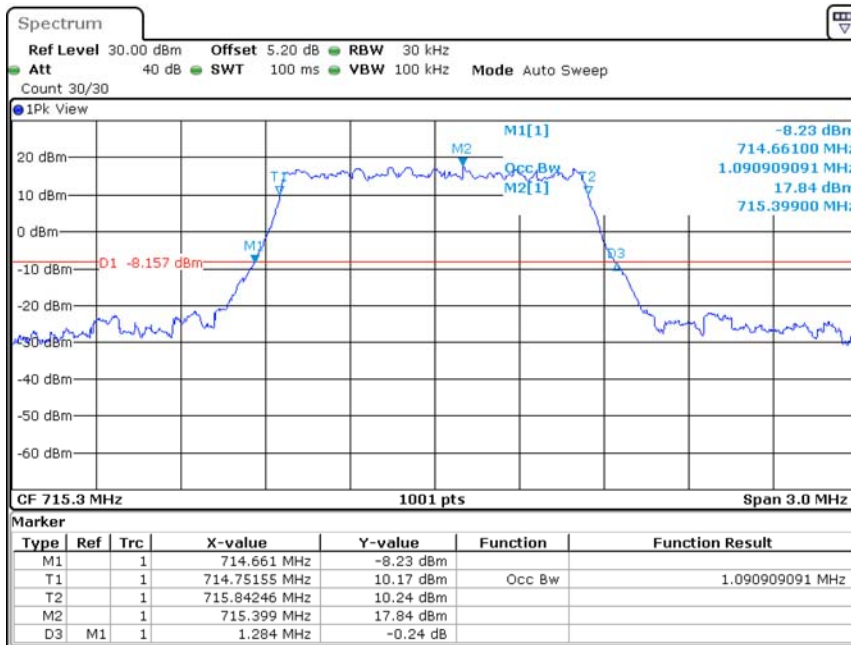


Date: 16.MAY.2021 11:37:18



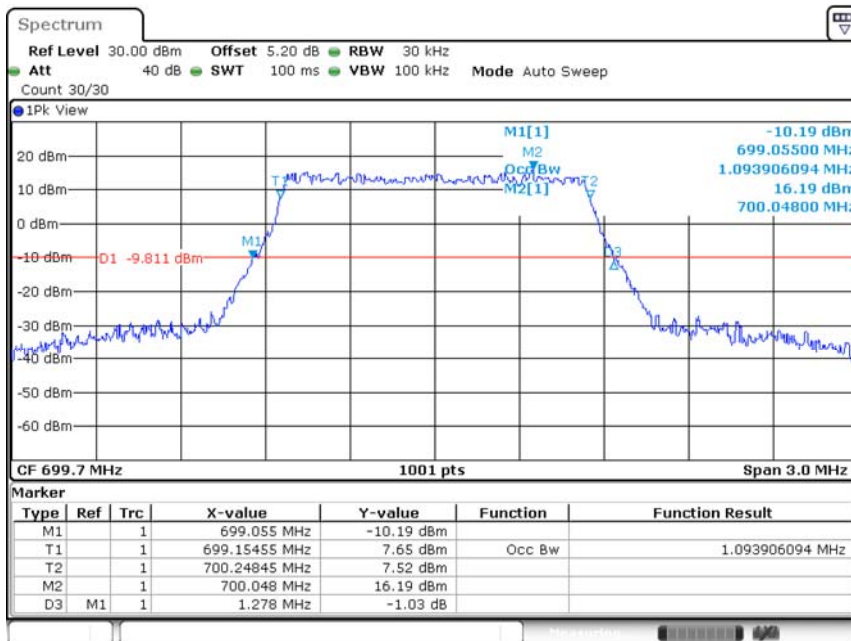
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**Band12-1.4MHz-QPSK-23173-6RB#0-1.091**



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

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

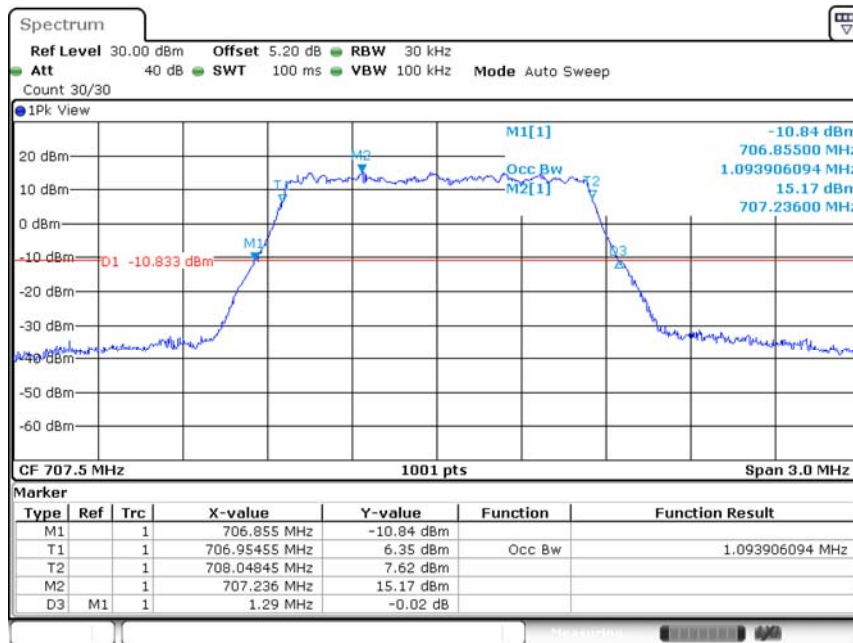


Date: 30.MAY.2021 08:03:21



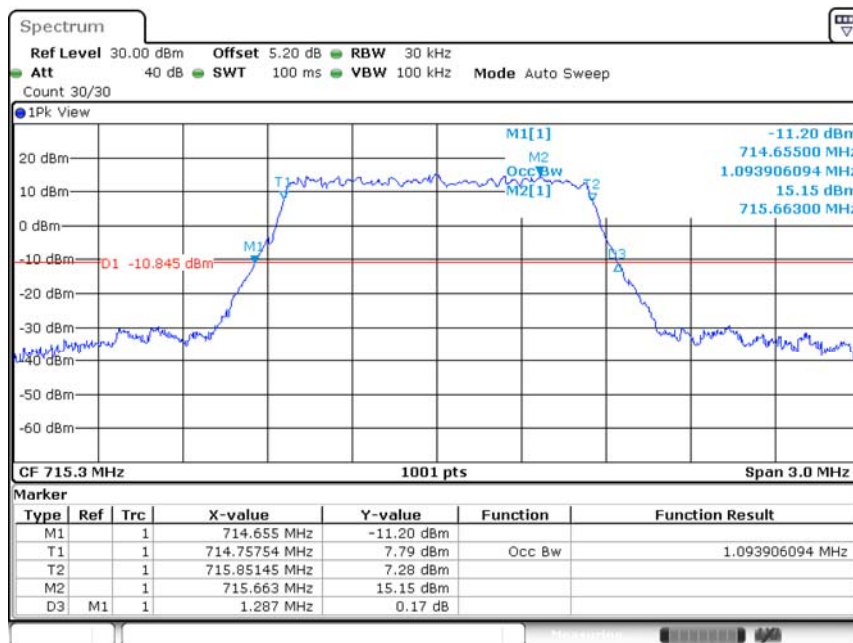
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**Band12-1.4MHz-64QAM-23095-6RB#0-1.094**



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

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

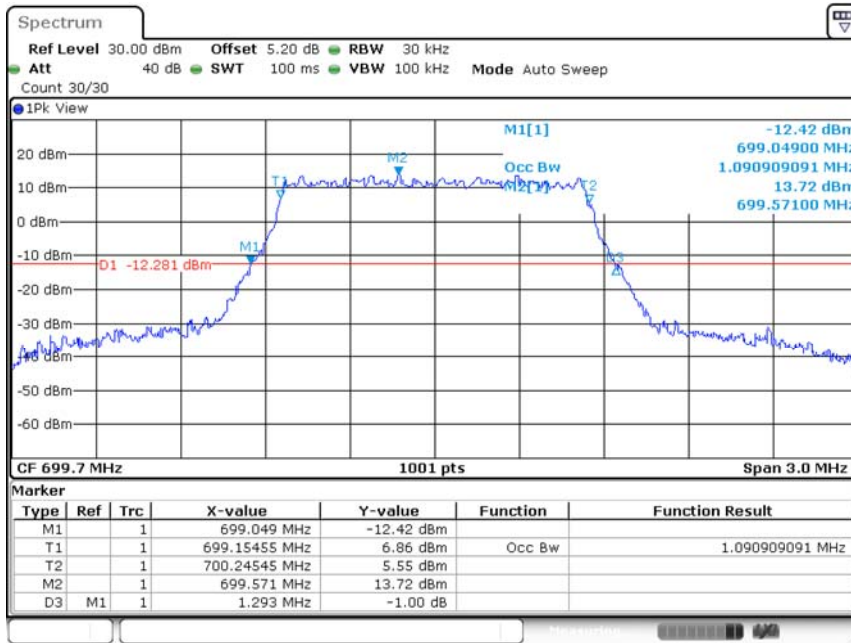


Date: 30.MAY.2021 08:03:47



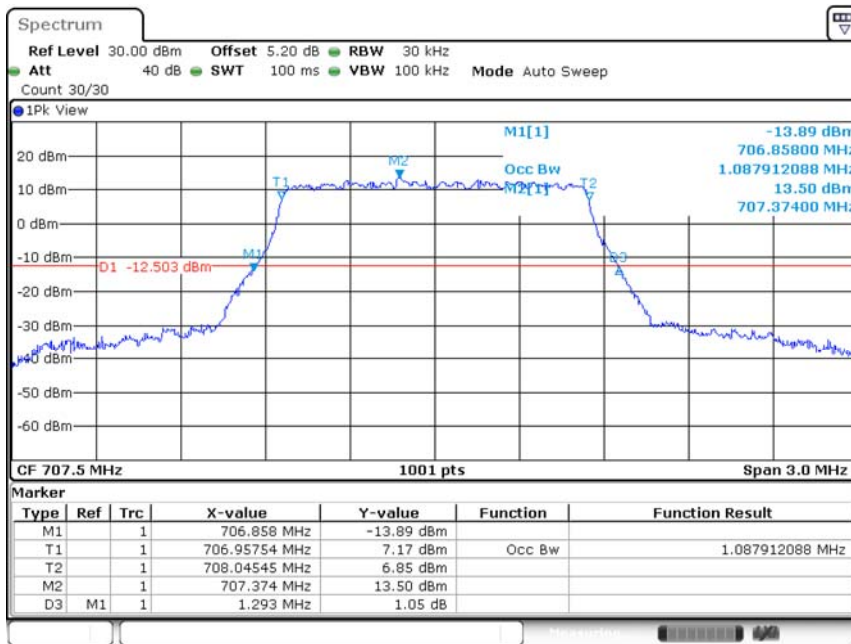
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**Band12-1.4MHz-256QAM-23017-6RB#0-1.091**



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

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

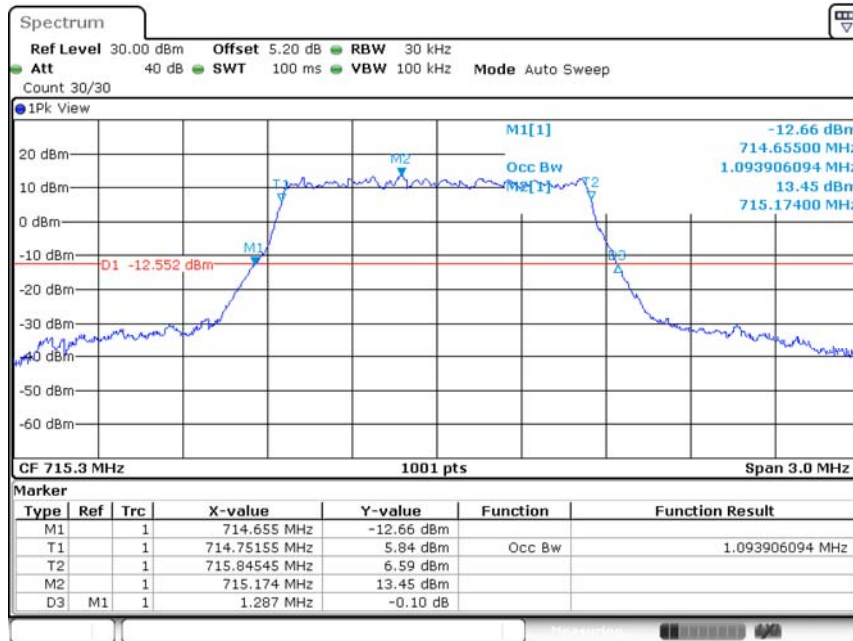


Date: 5.MAY.2021 03:35:12



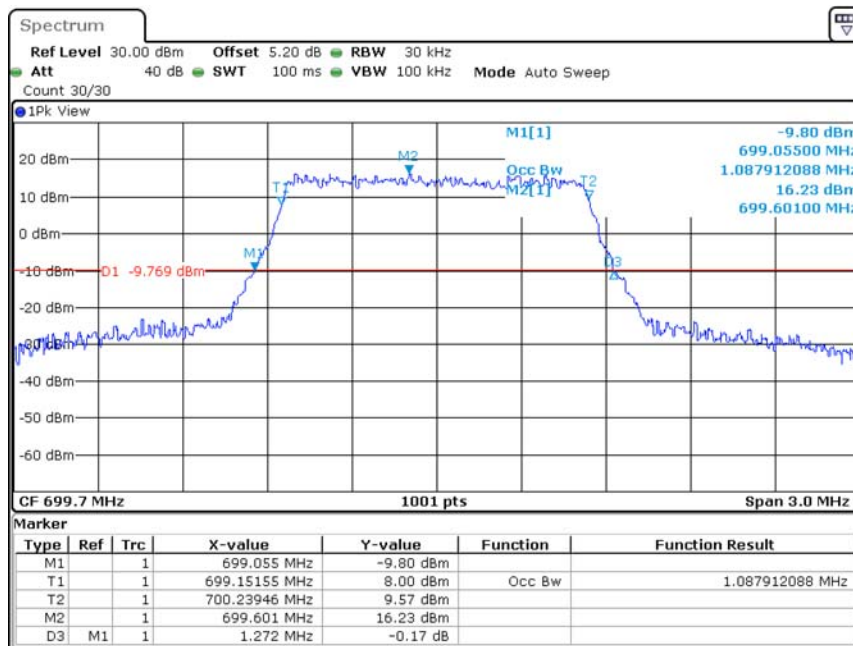
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**Band12-1.4MHz-256QAM-23173-6RB#0-1.094**



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

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



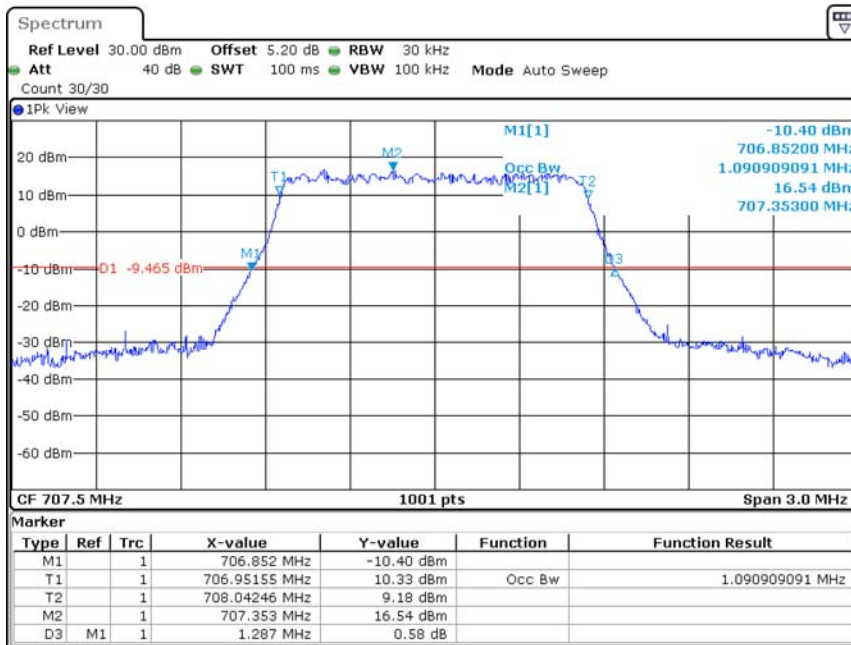
Date: 16.MAY.2021 11:37:05



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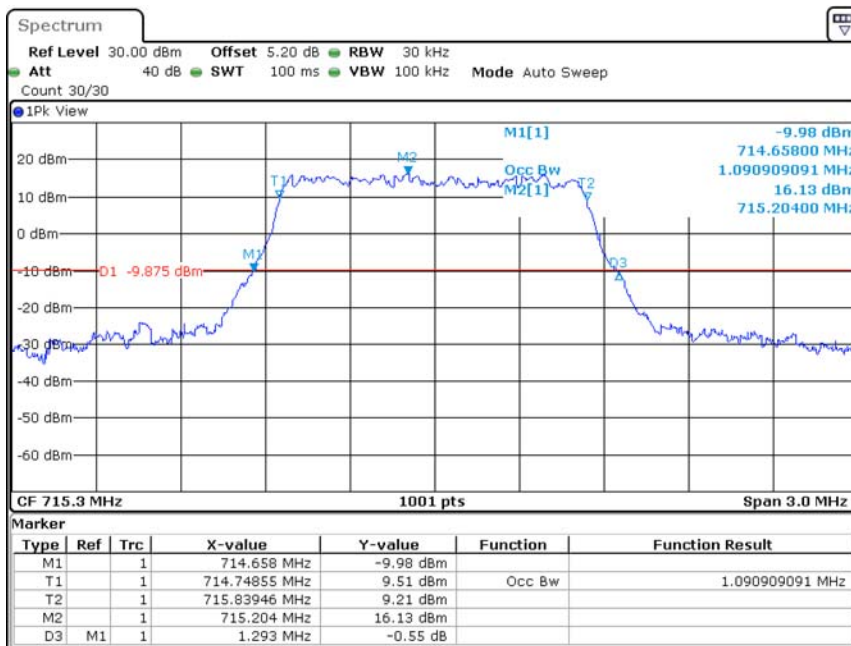


**Band12-1.4MHz-16QAM-23095-6RB#0-1.091**



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

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

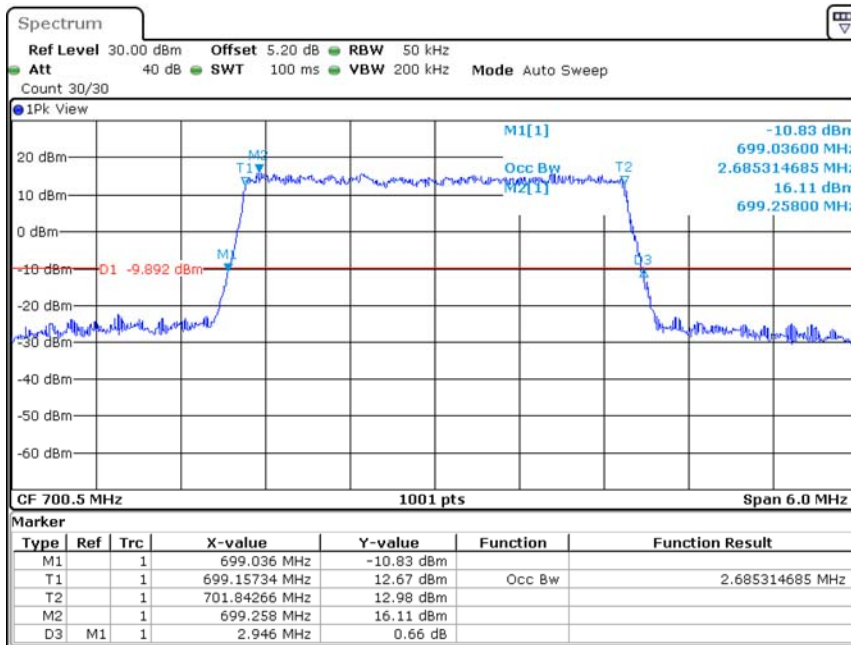


Date: 16.MAY.2021 11:37:57



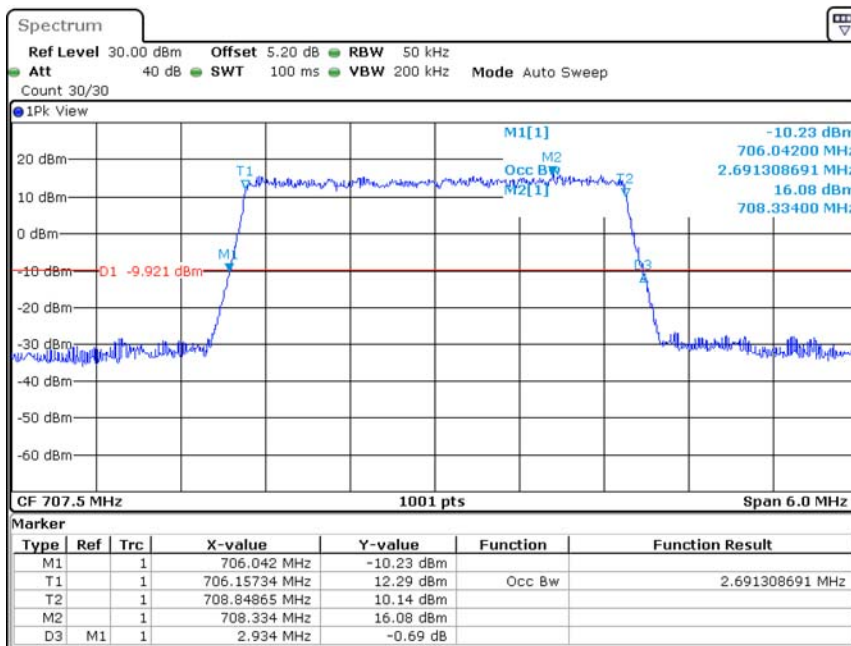
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**Band12-3MHz-QPSK-23025-15RB#0-2.685**



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

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

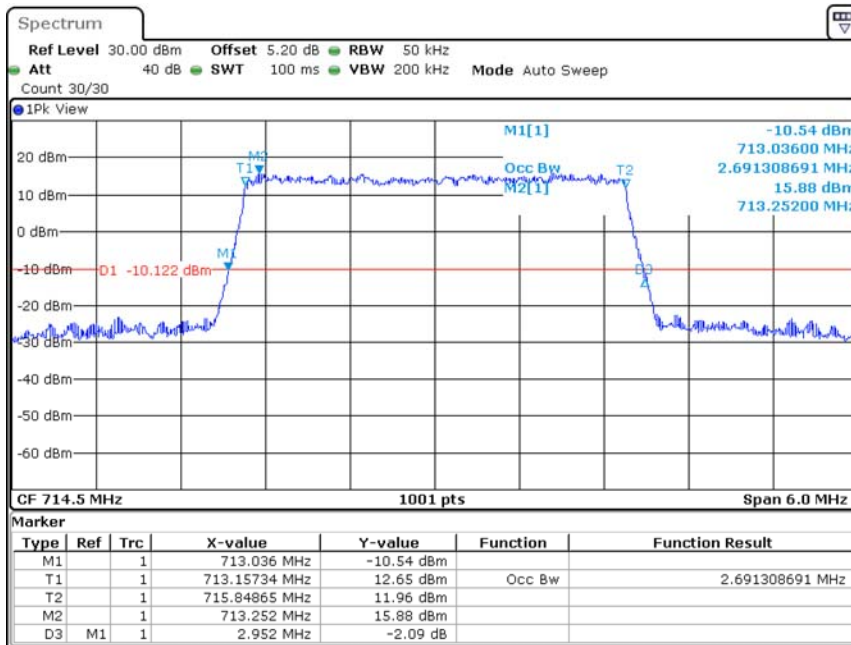


Date: 16.MAY.2021 11:38:42



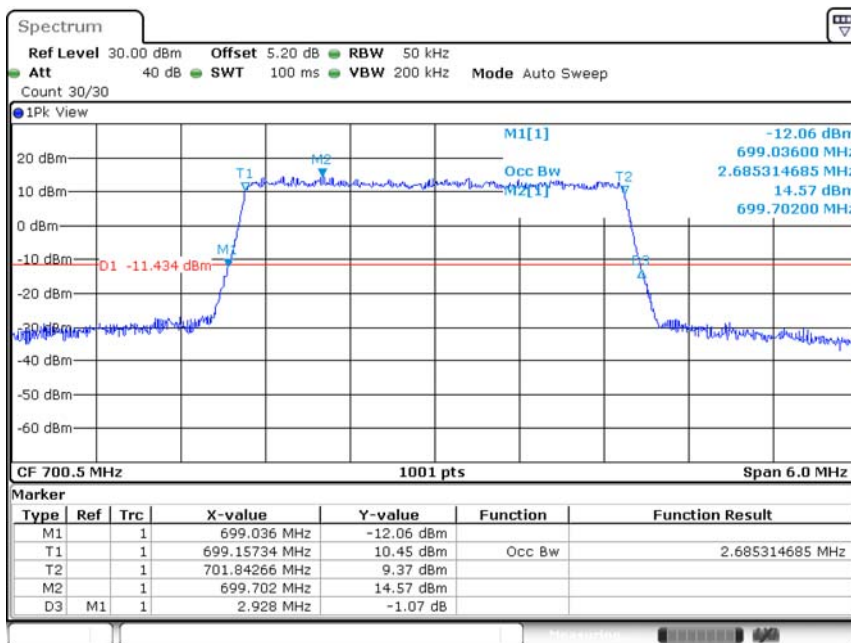
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**Band12-3MHz-QPSK-23165-15RB#0-2.691**



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

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

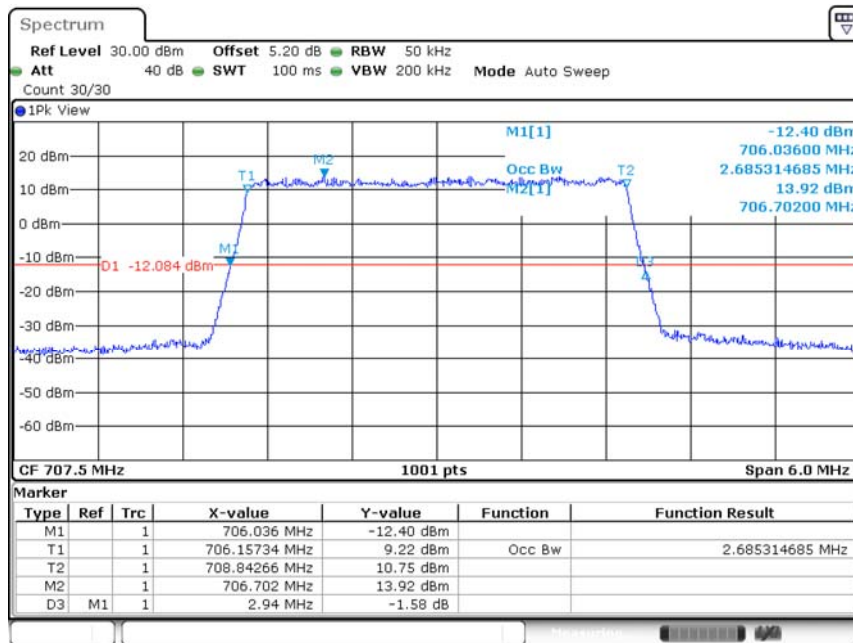


Date: 30.MAY.2021 08:04:07



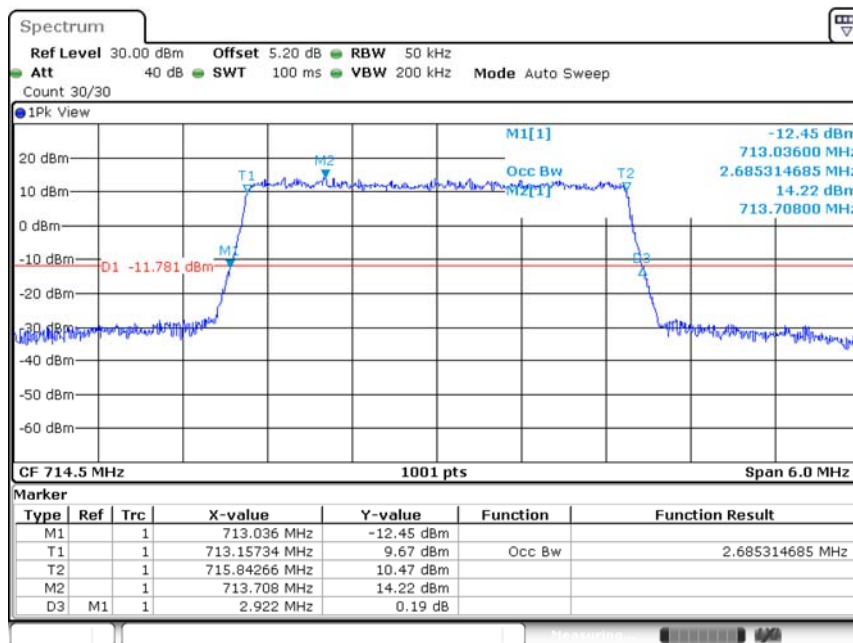
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**Band12-3MHz-64QAM-23095-15RB#0-2.685**



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

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

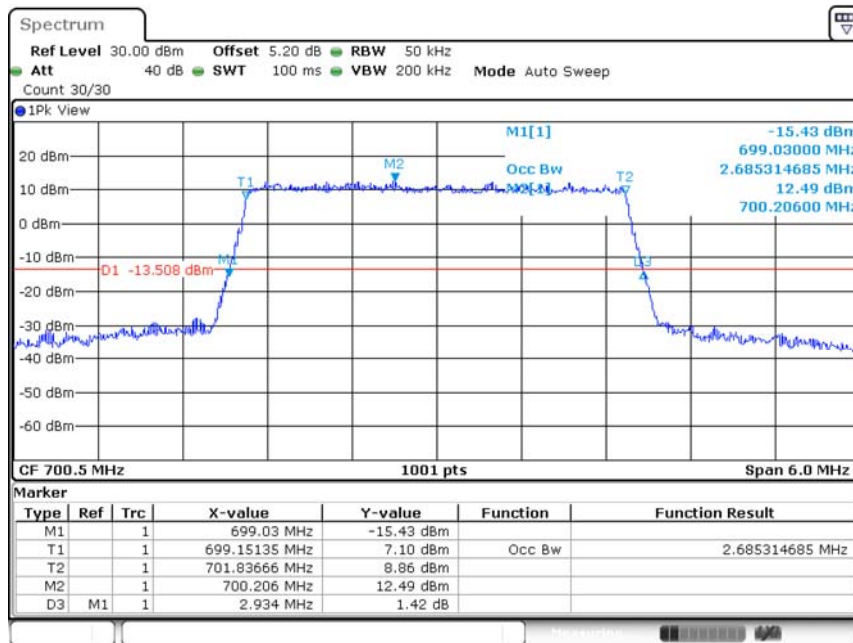


Date: 30.MAY.2021 08:04:32



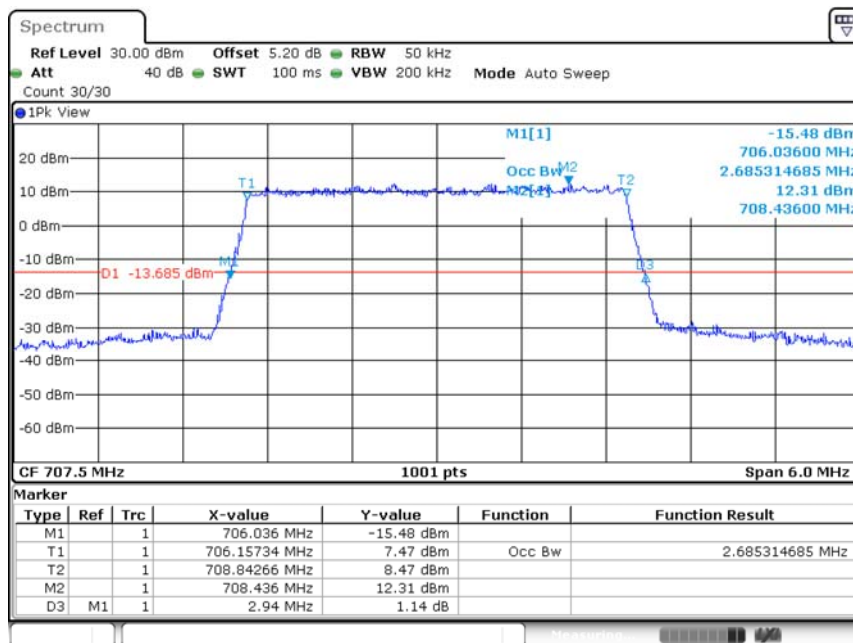
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**Band12-3MHz-256QAM-23025-15RB#0-2.685**



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

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

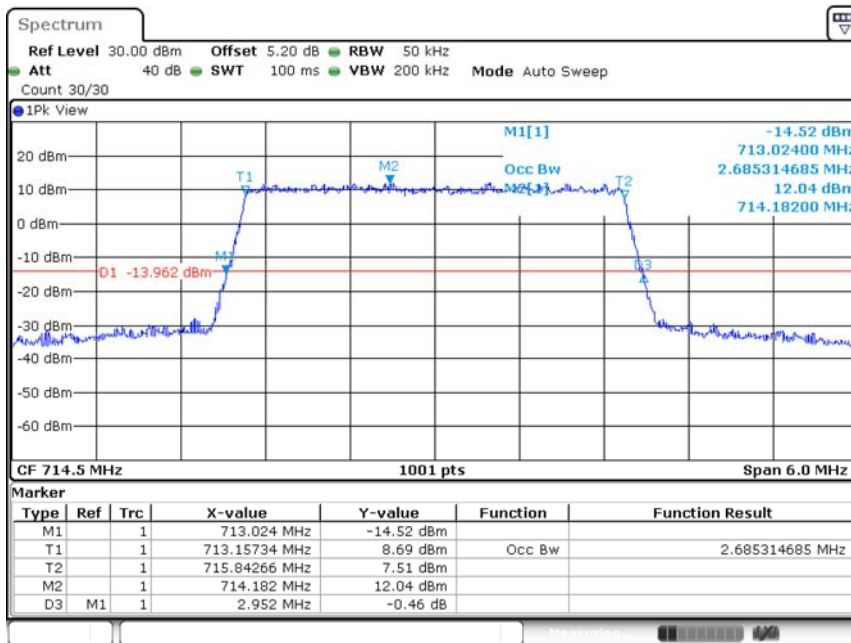


Date: 5.MAY.2021 03:35:57



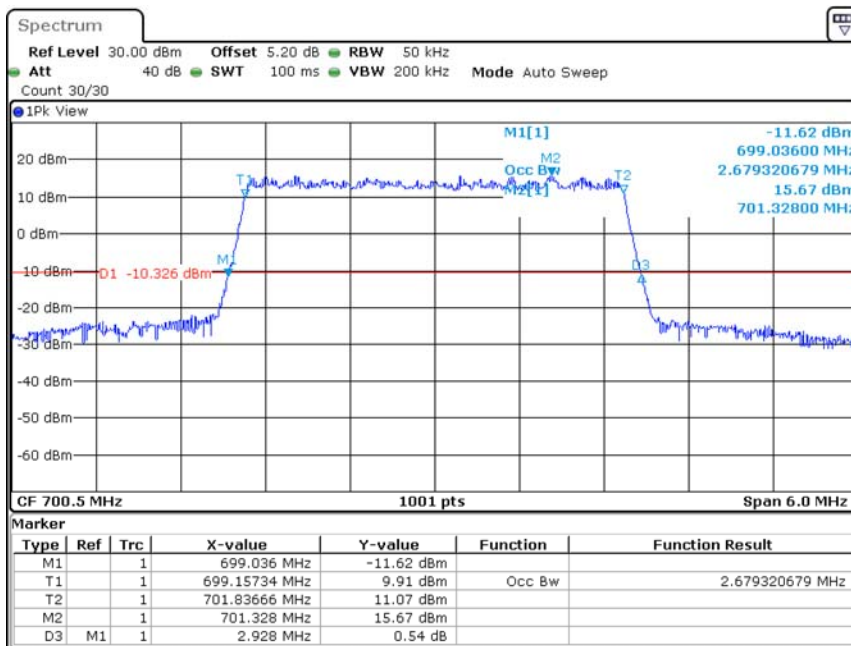
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**Band12-3MHz-256QAM-23165-15RB#0-2.685**



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

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

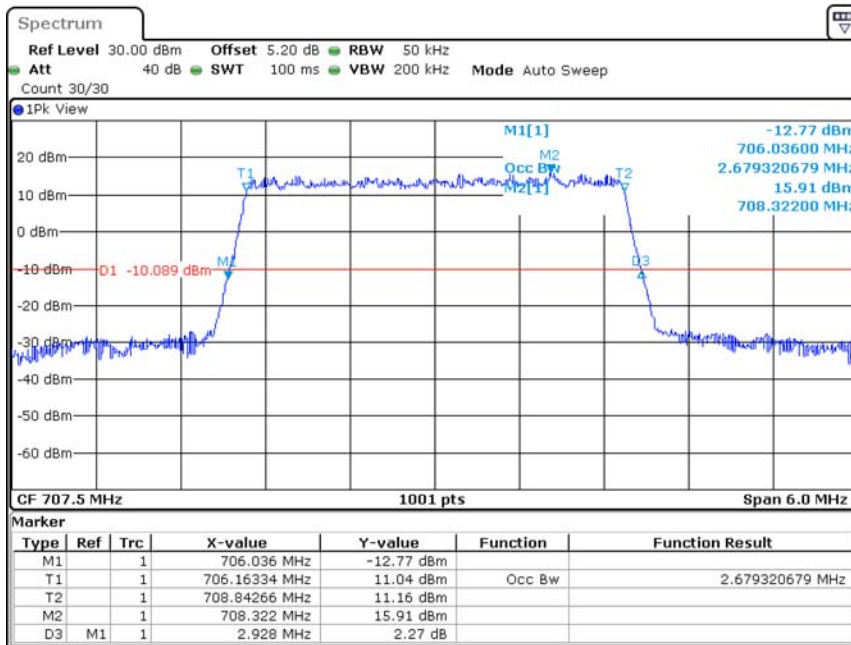


Date: 16.MAY.2021 11:38:29



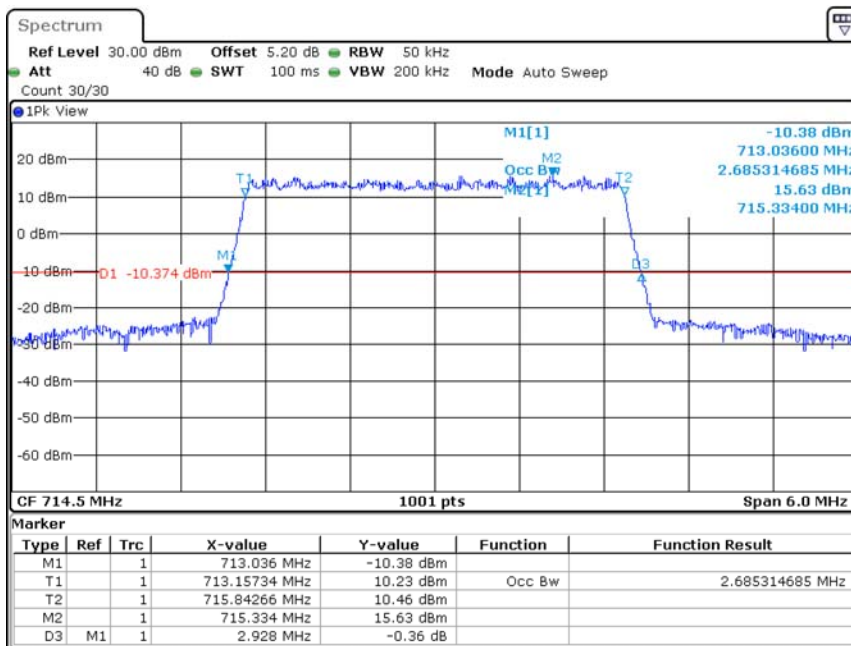
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**Band12-3MHz-16QAM-23095-15RB#0-2.679**



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

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

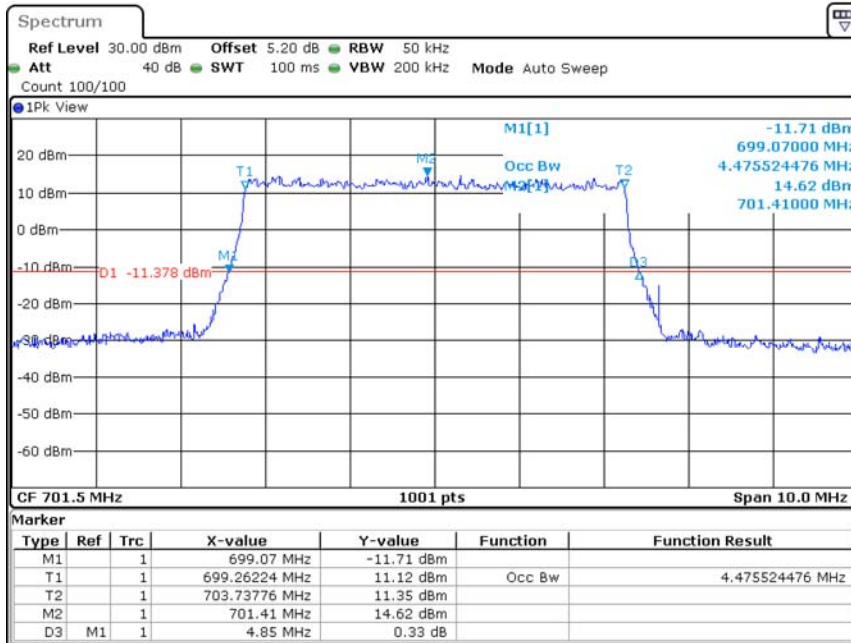


Date: 16.MAY.2021 11:39:21



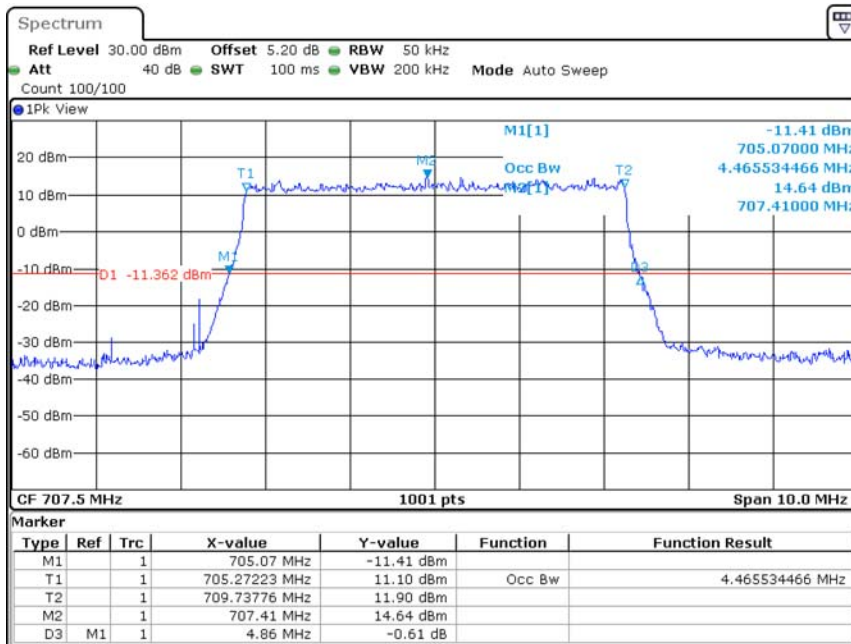
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**Band12-5MHz-QPSK-23035-25RB#0-4.476**



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

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



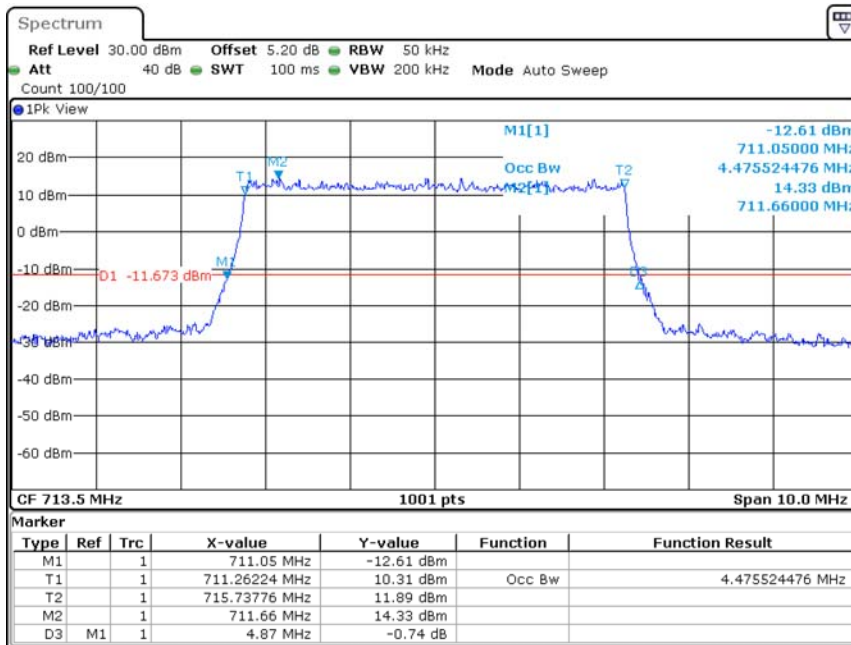
Date: 16.MAY.2021 11:40:26



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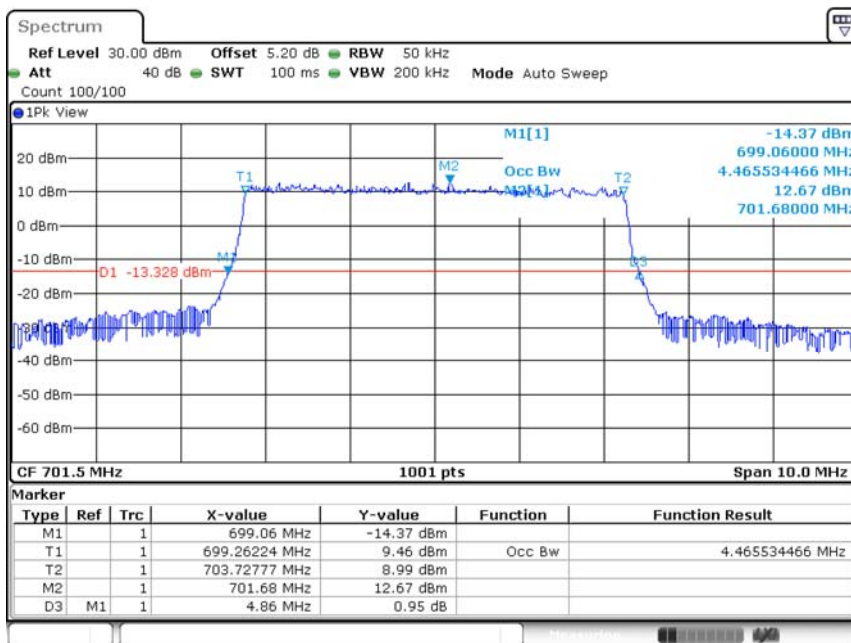


**Band12-5MHz-QPSK-23155-25RB#0-4.476**



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

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

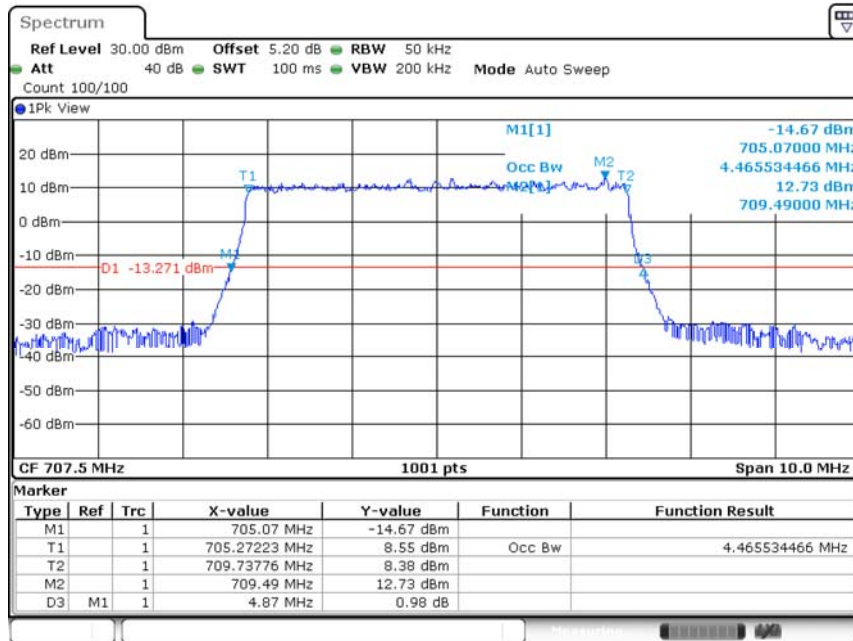


Date: 30.MAY.2021 08:04:59



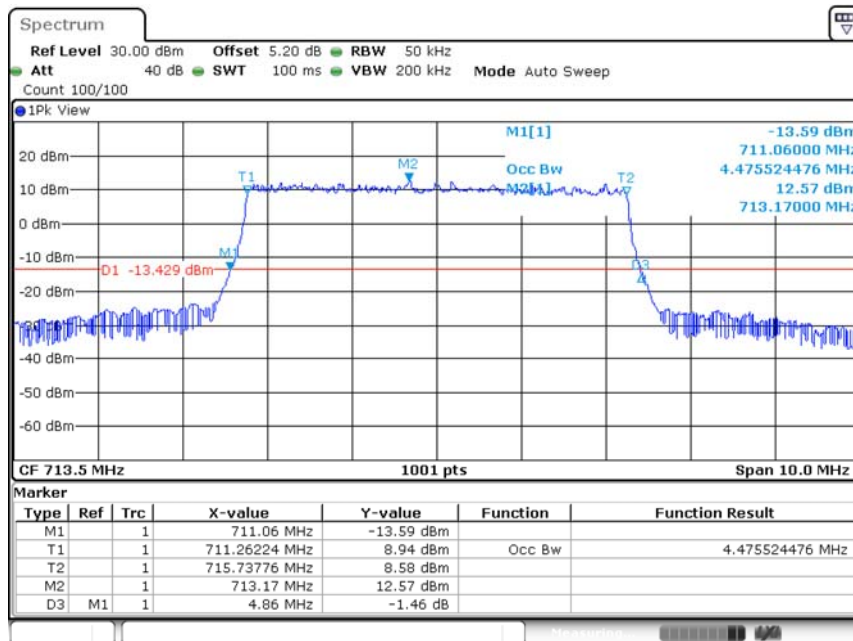
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**Band12-5MHz-64QAM-23095-25RB#0-4.466**



Date: 30.MAY.2021 08:05:19

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

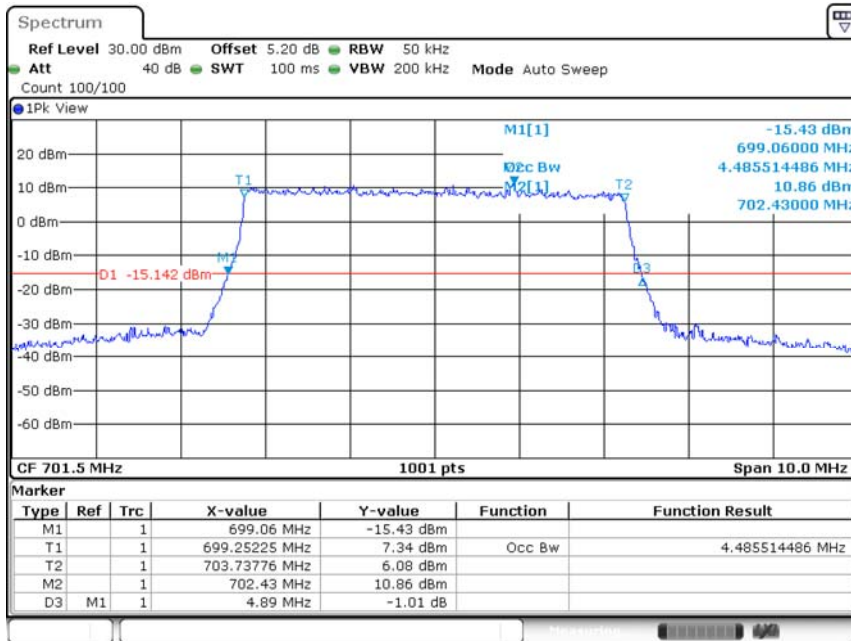


Date: 30.MAY.2021 08:05:39



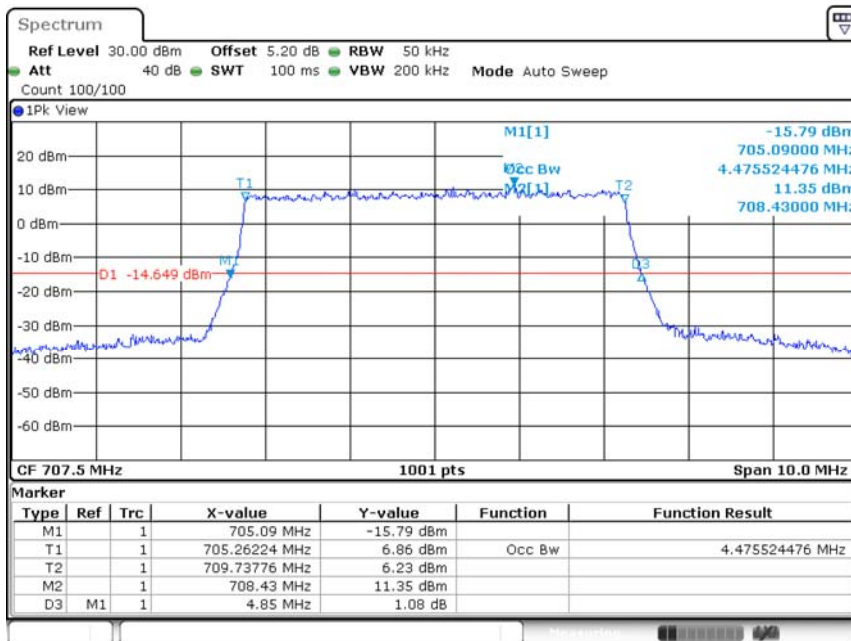
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**Band12-5MHz-256QAM-23035-25RB#0-4.486**



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

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

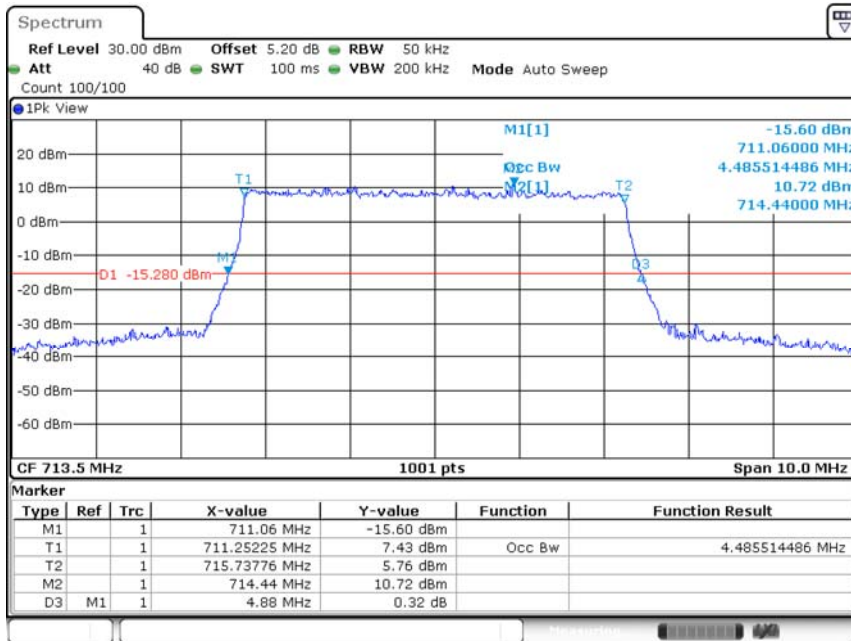


Date: 5.MAY.2021 03:36:55



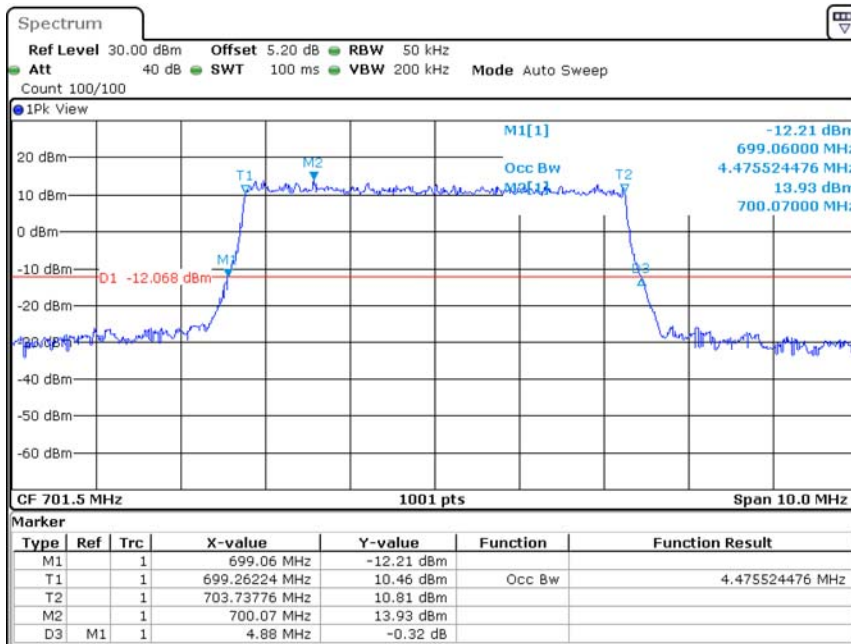
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**Band12-5MHz-256QAM-23155-25RB#0-4.486**



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

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

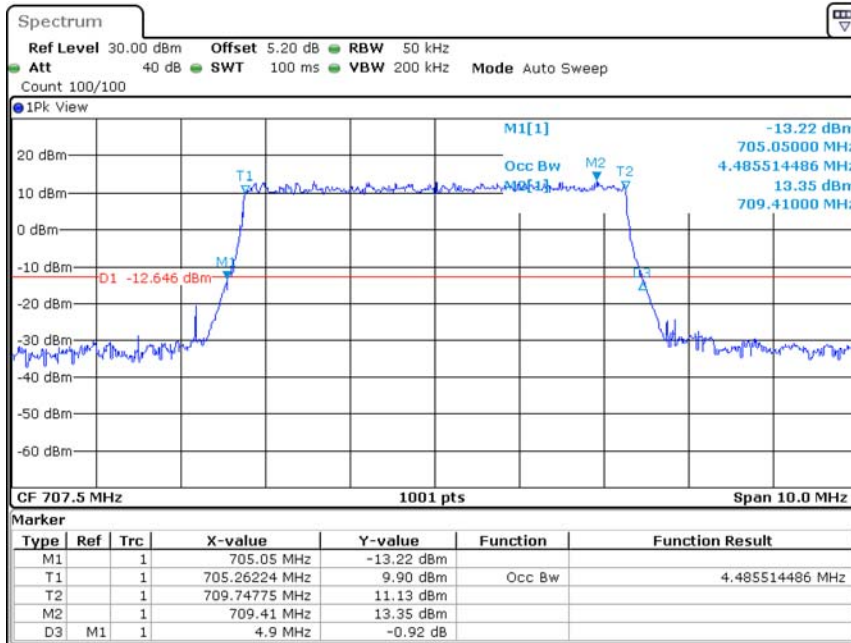


Date: 16.MAY.2021 11:40:06



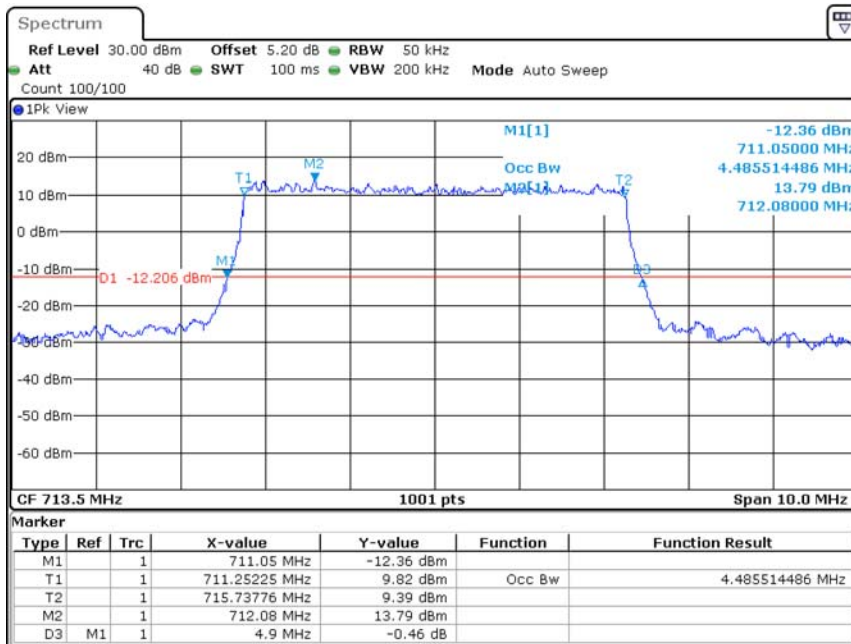
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**Band12-5MHz-16QAM-23095-25RB#0-4.486**



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

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

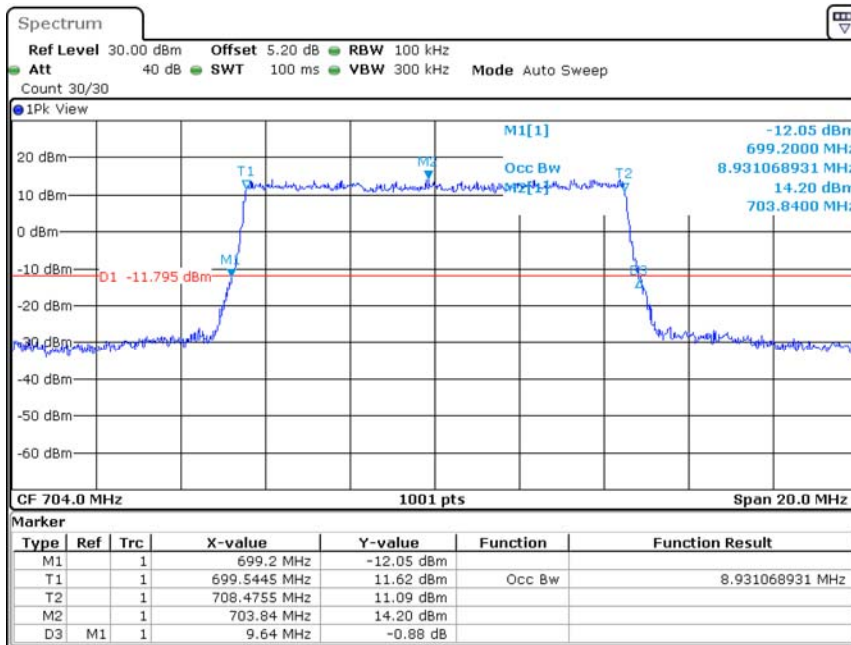


Date: 16.MAY.2021 11:41:25



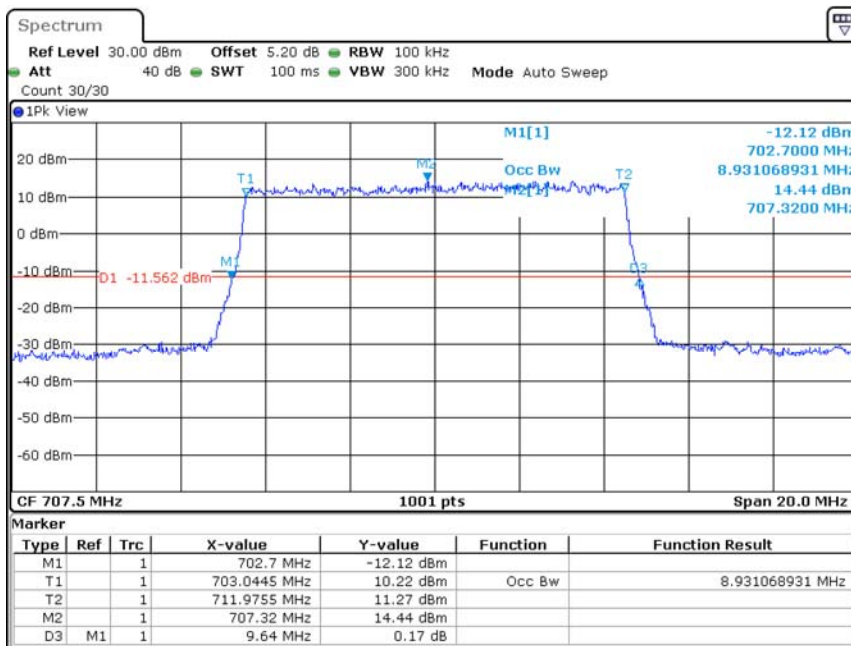
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**Band12-10MHz-QPSK-23060-50RB#0-8.931**



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

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

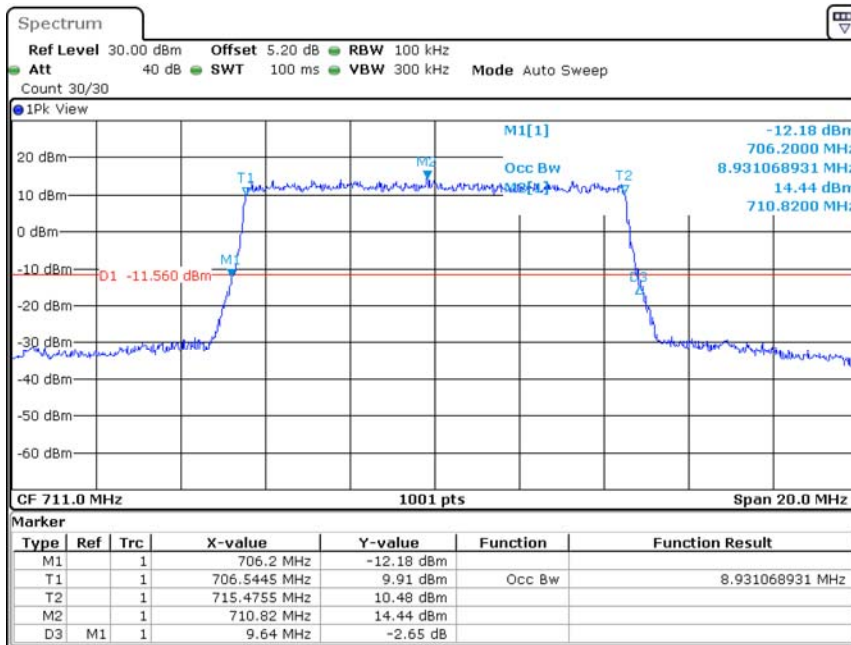


Date: 16.MAY.2021 11:42:10



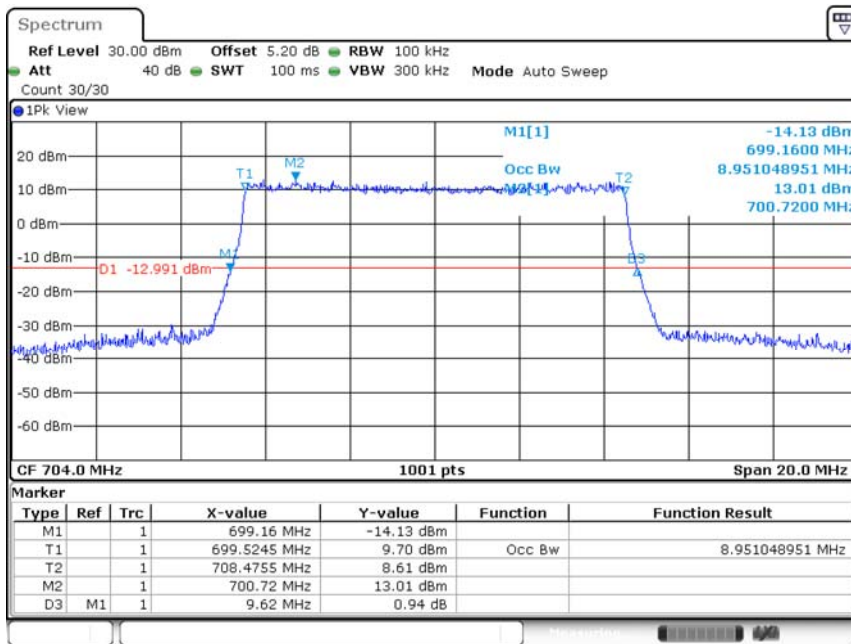
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**Band12-10MHz-QPSK-23130-50RB#0-8.931**



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

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

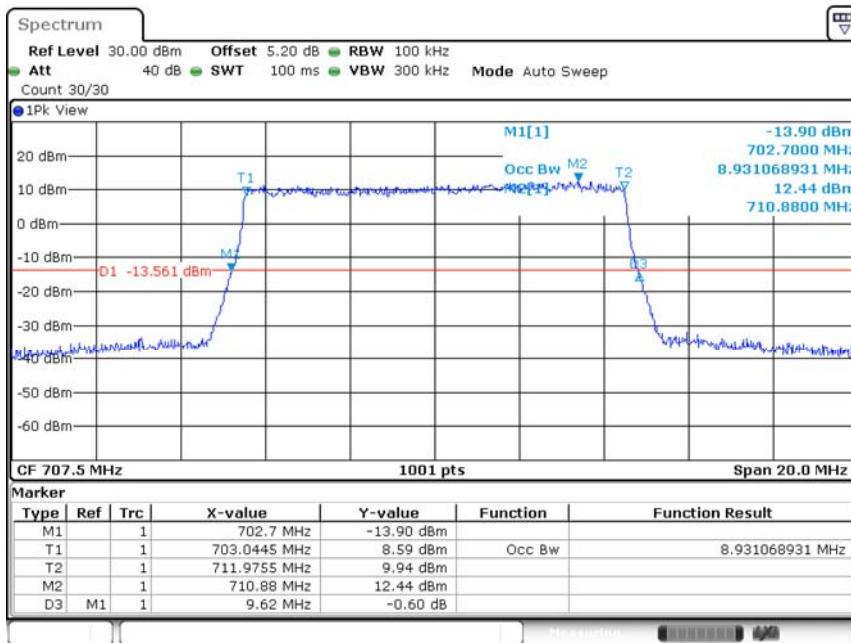


Date: 30.MAY.2021 08:05:59



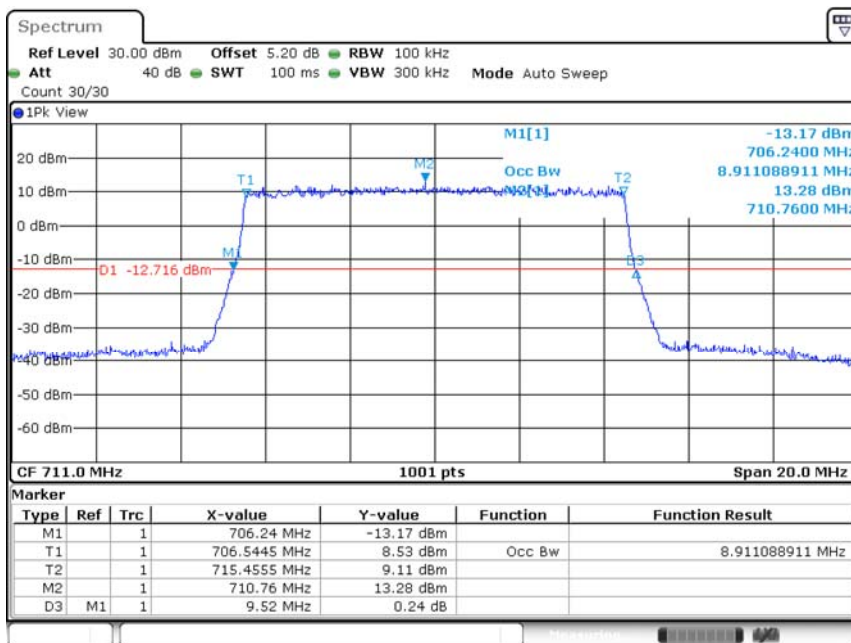
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**Band12-10MHz-64QAM-23095-50RB#0-8.931**



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

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



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

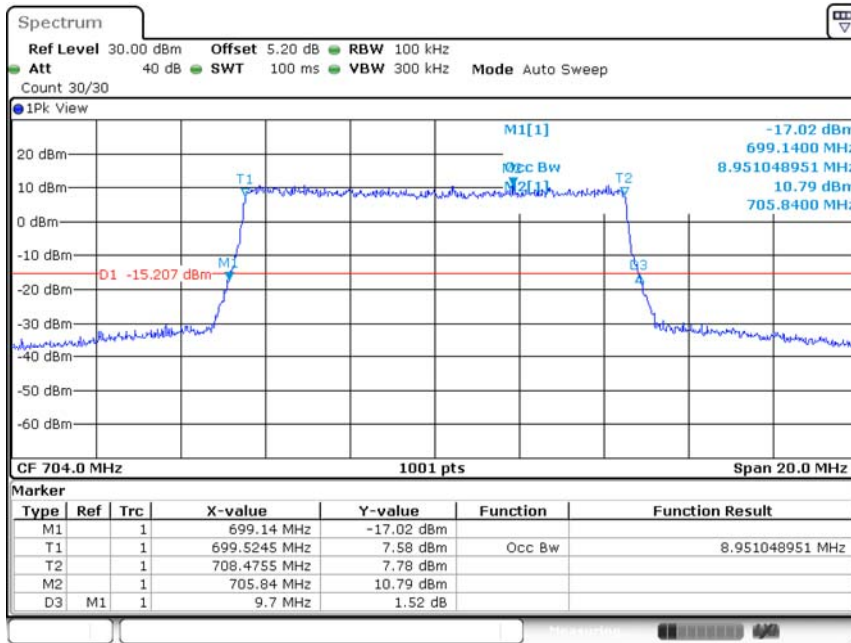


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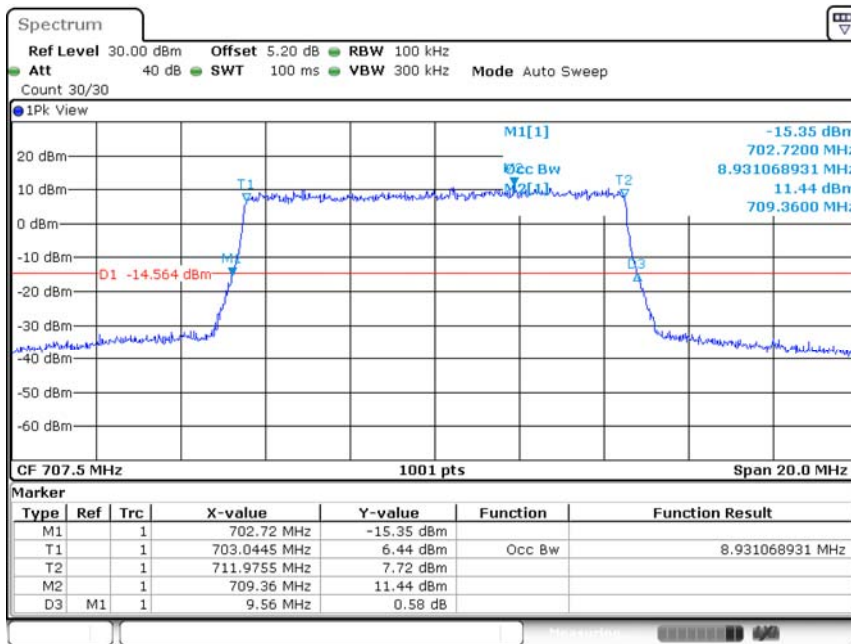


**Band12-10MHz-256QAM-23060-50RB#0-8.951**



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

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

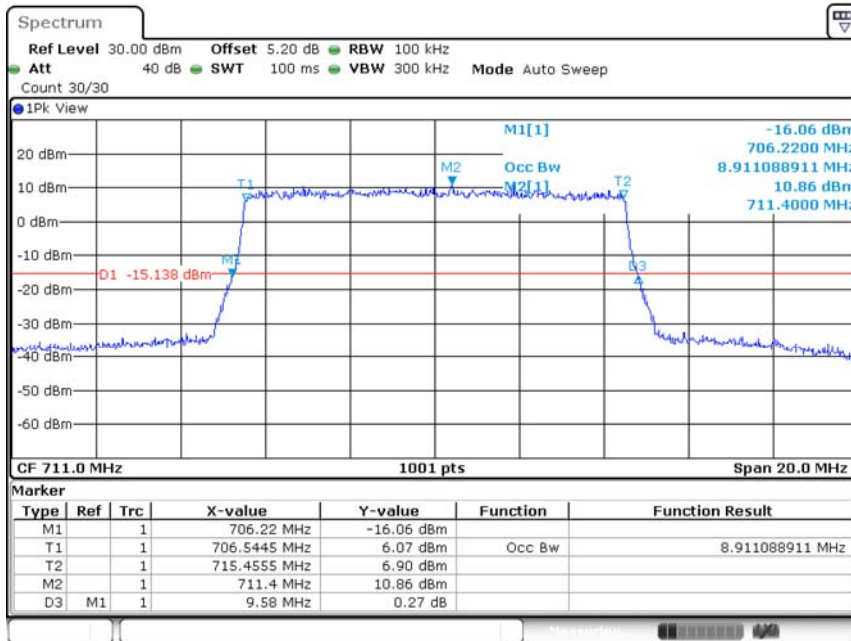


Date: 5.MAY.2021 03:37:47



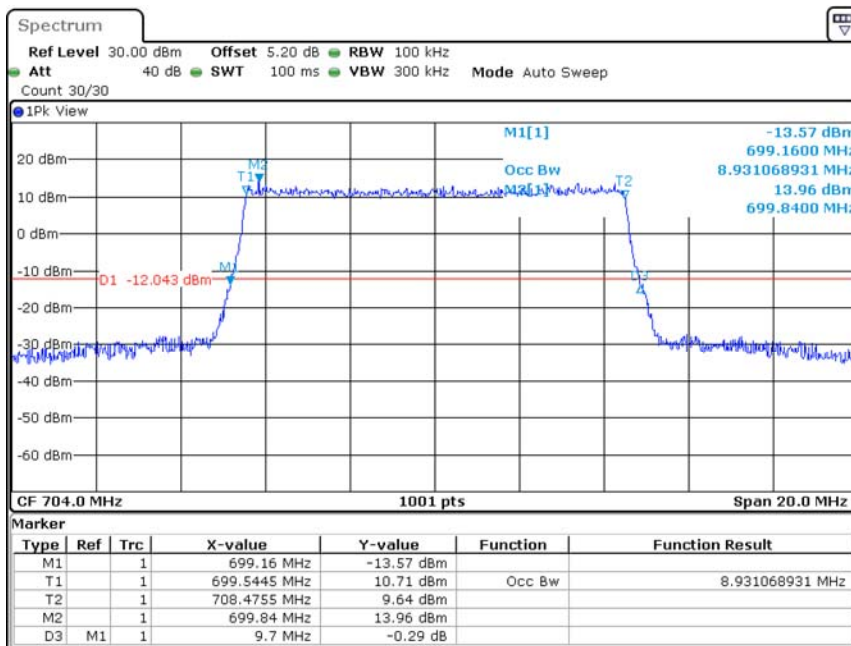
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**Band12-10MHz-256QAM-23130-50RB#0-8.911**



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

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

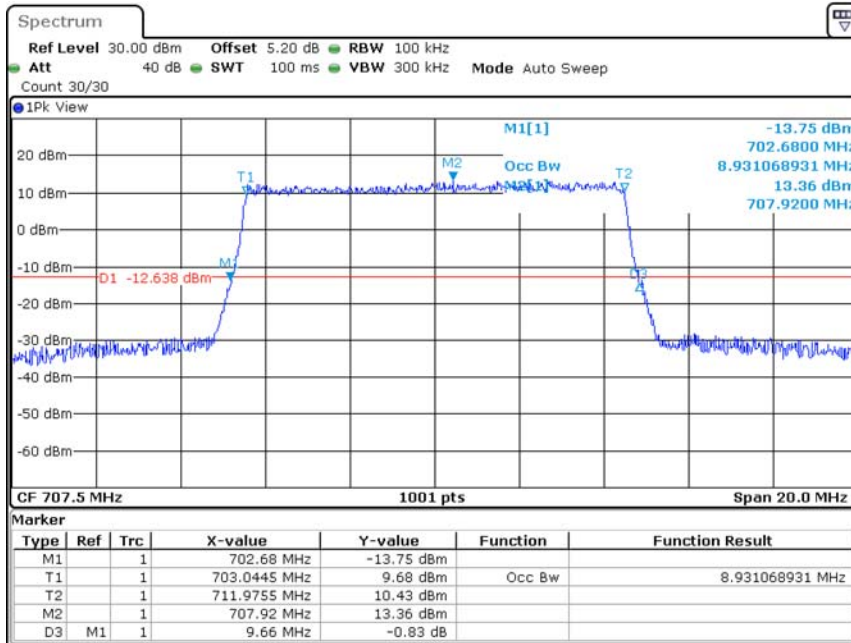


Date: 16.MAY.2021 11:41:57



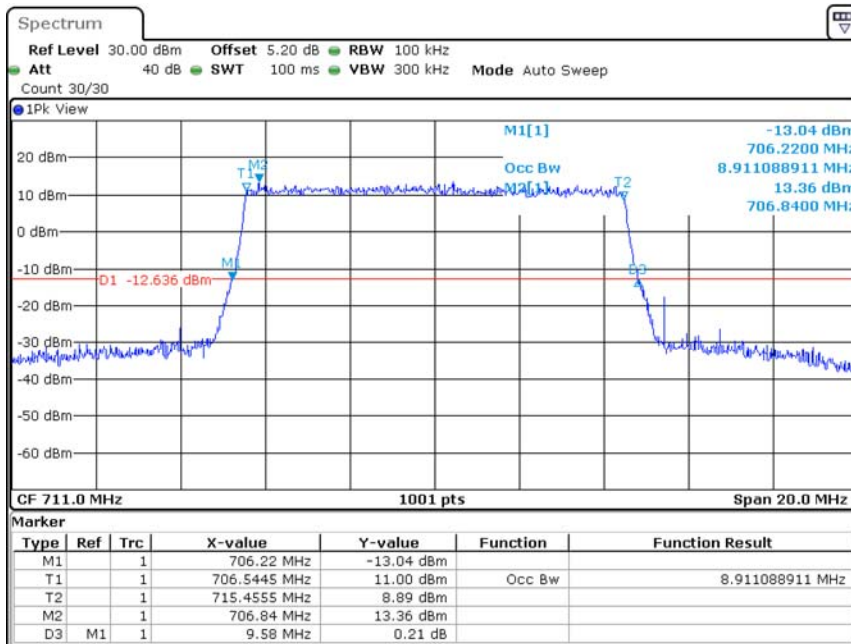
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**Band12-10MHz-16QAM-23095-50RB#0-8.931**



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

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



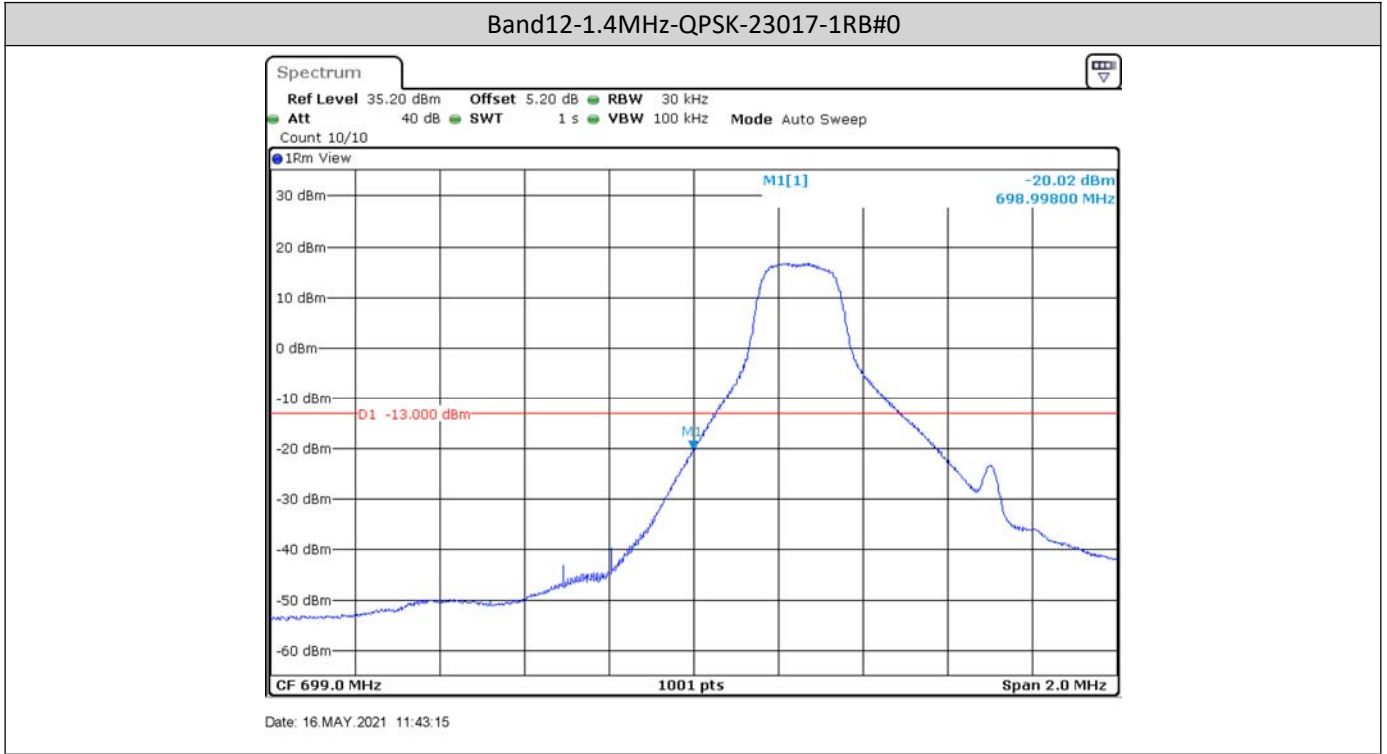
Date: 16.MAY.2021 11:42:48



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## 5. Band Edge Compliance

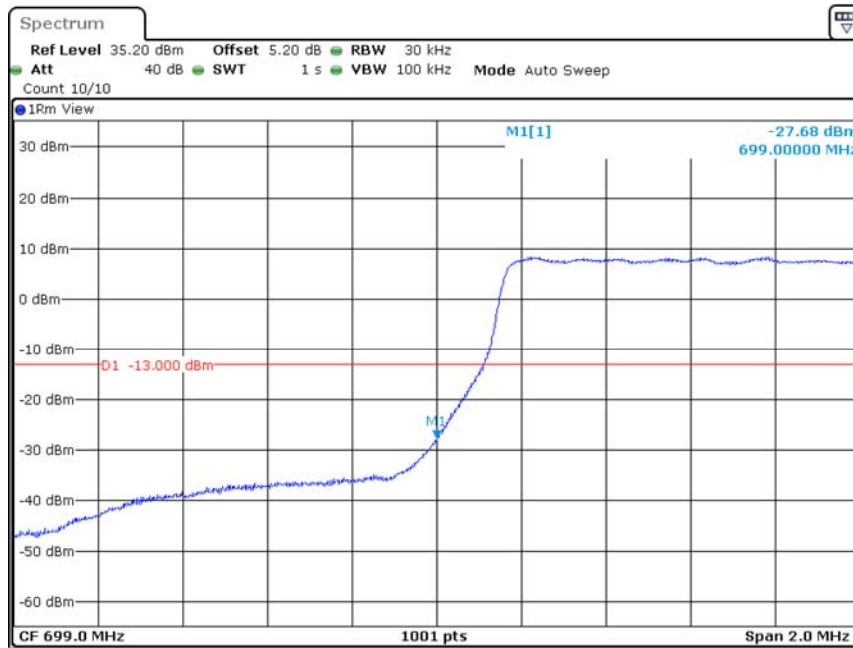
### 5.1. Test Plots



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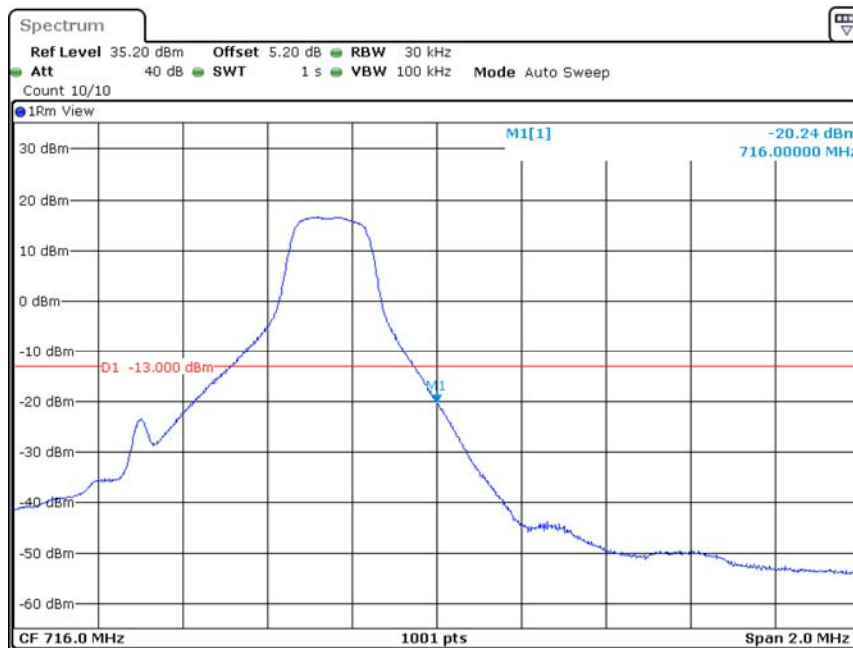
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**Band12-1.4MHz-QPSK-23017-6RB#0**



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

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



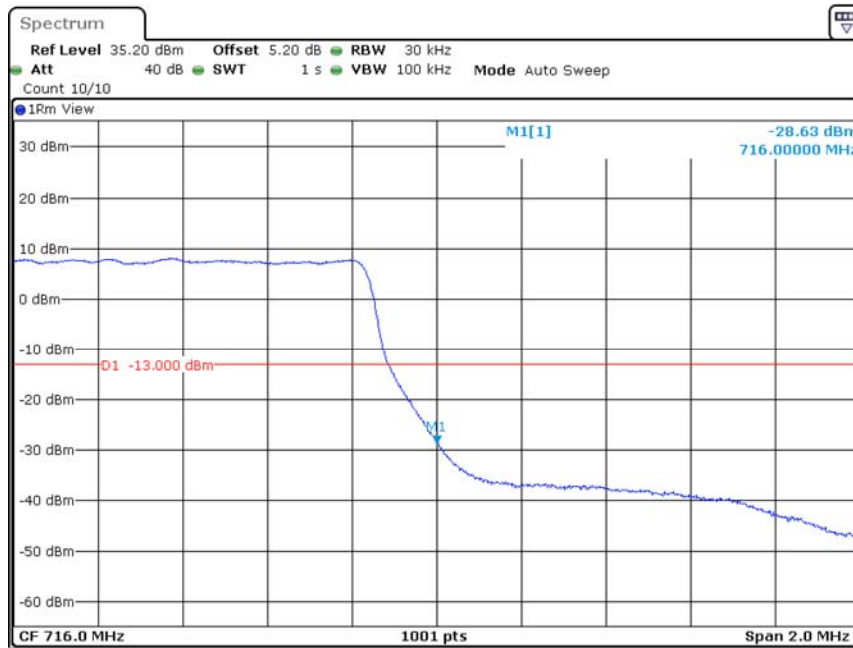
Date: 16.MAY.2021 11:44:41



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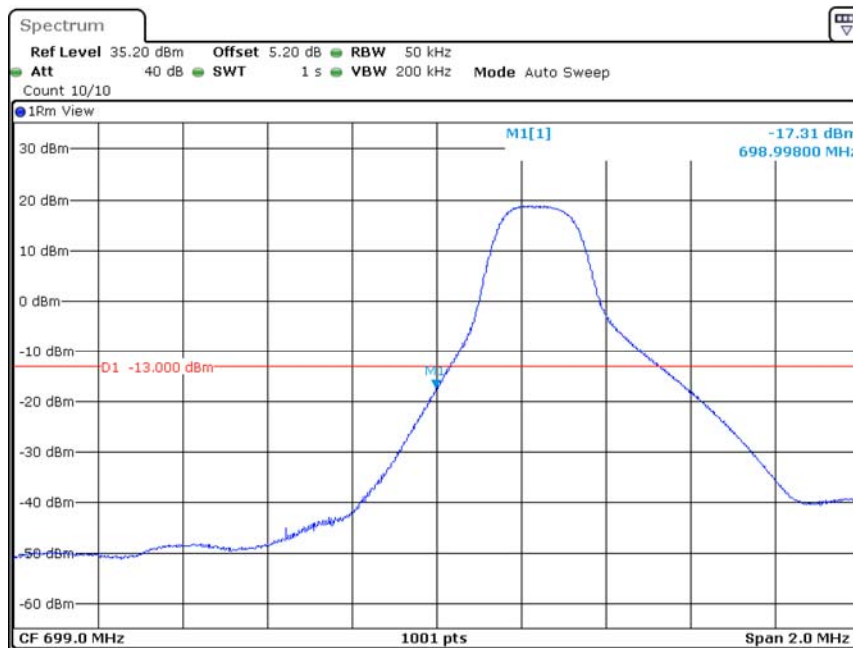
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**Band12-1.4MHz-QPSK-23173-6RB#0**



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

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



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



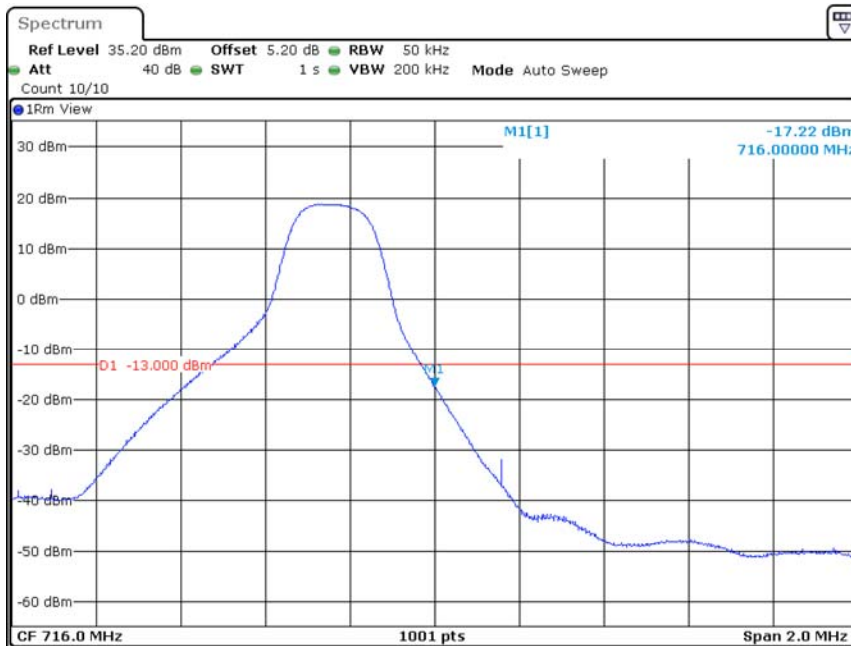
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**Band12-3MHz-QPSK-23025-15RB#0**



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

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

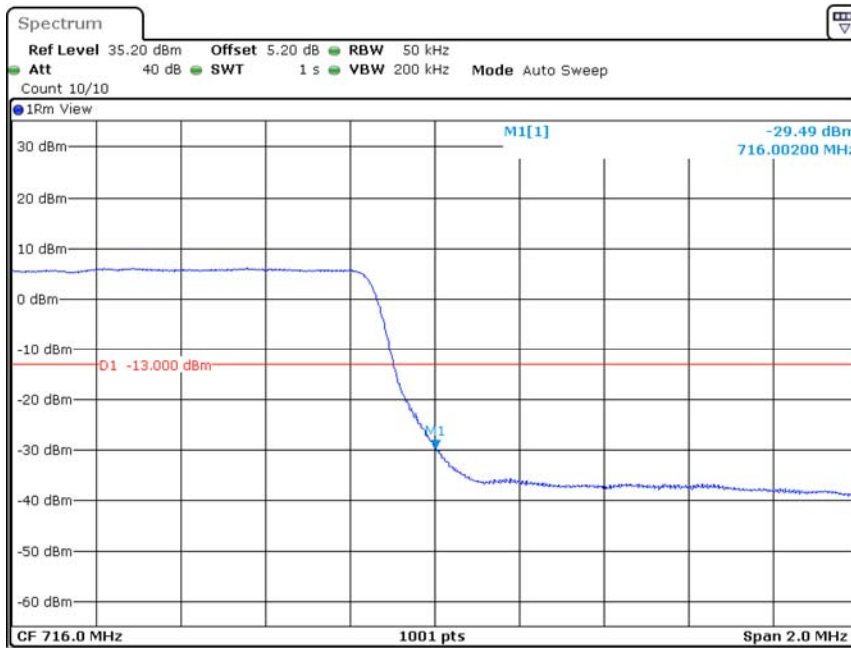


Date: 16.MAY.2021 11:47:37



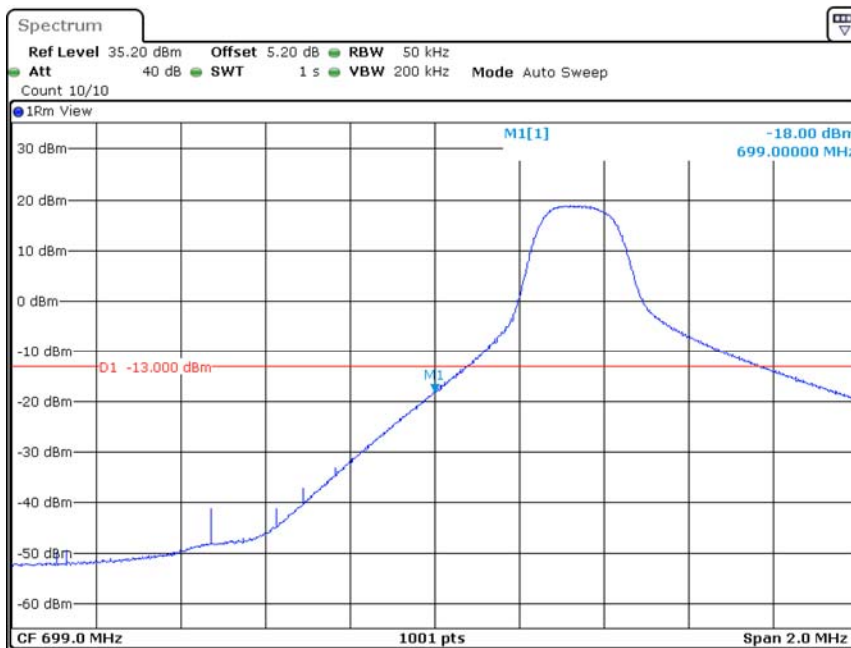
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**Band12-3MHz-QPSK-23165-15RB#0**



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

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



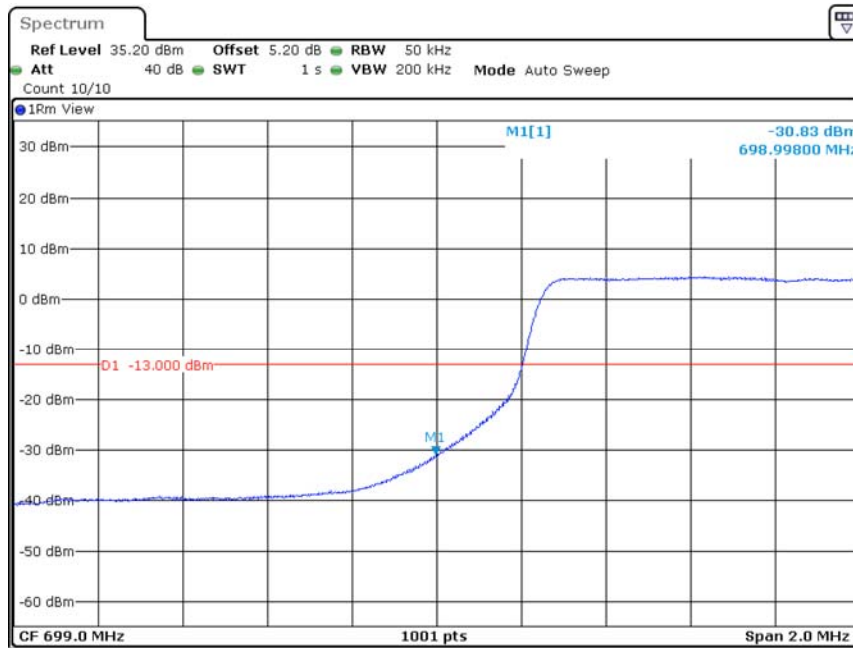
Date: 16.MAY.2021 11:49:04



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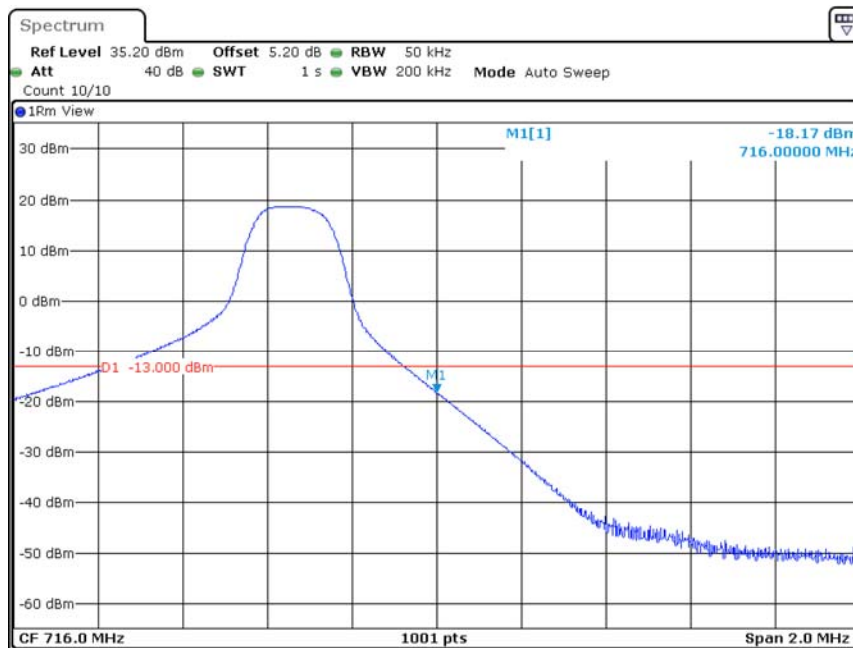


**Band12-5MHz-QPSK-23035-25RB#0**



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

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



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



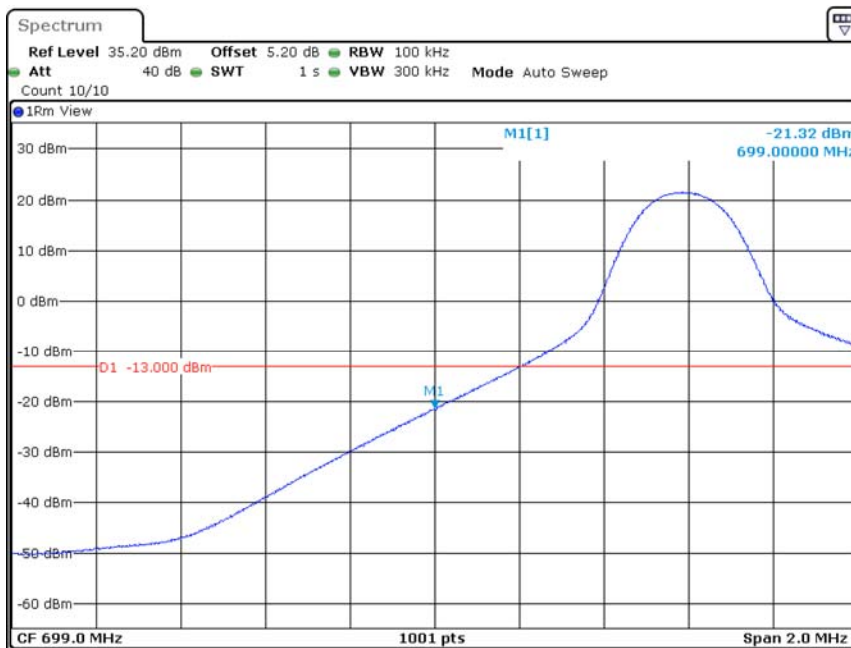
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**Band12-5MHz-QPSK-23155-25RB#0**



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

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



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



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



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

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

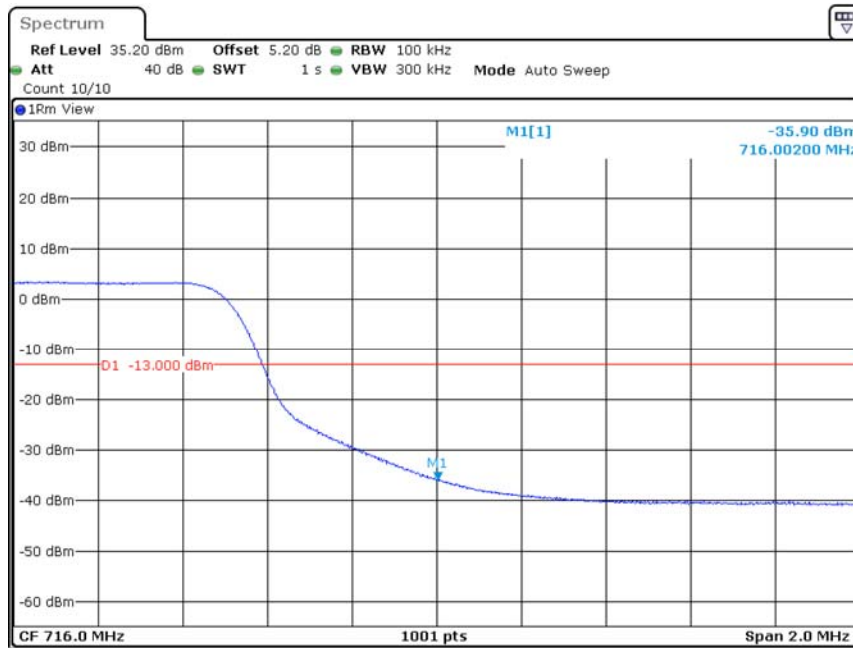


Date: 16.MAY.2021 11:53:27



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



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



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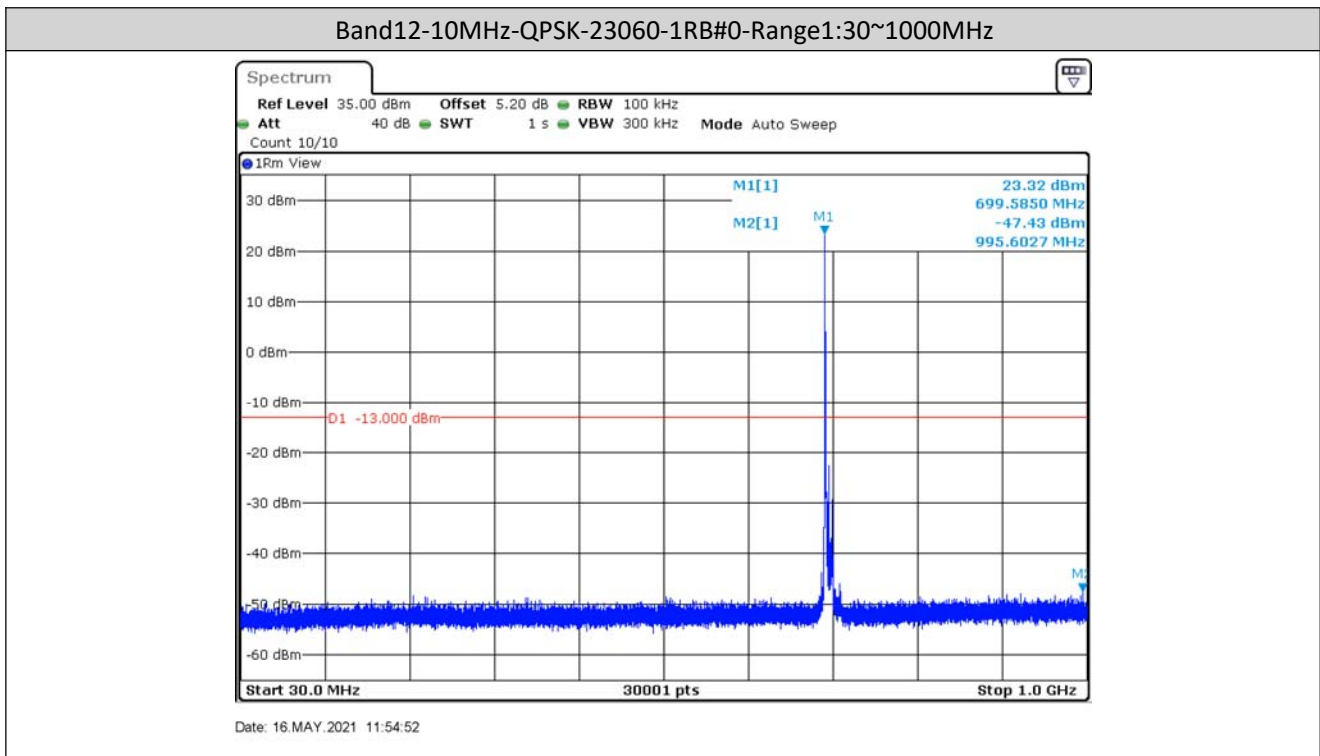
## 6. Spurious Emission at Antenna Terminal

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

Remark2: According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.

Remark3: The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data had been displayed.

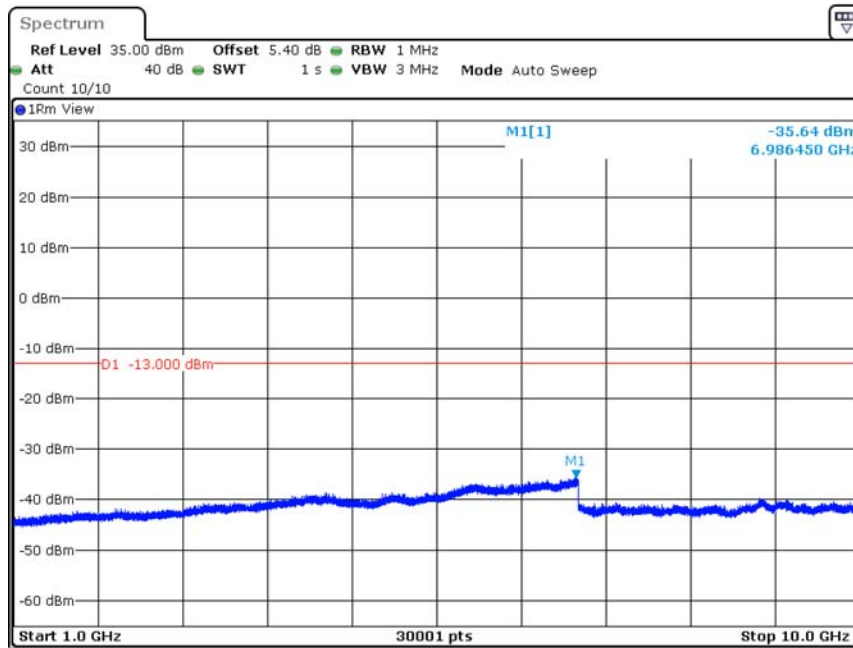
### 6.1. Test Plots



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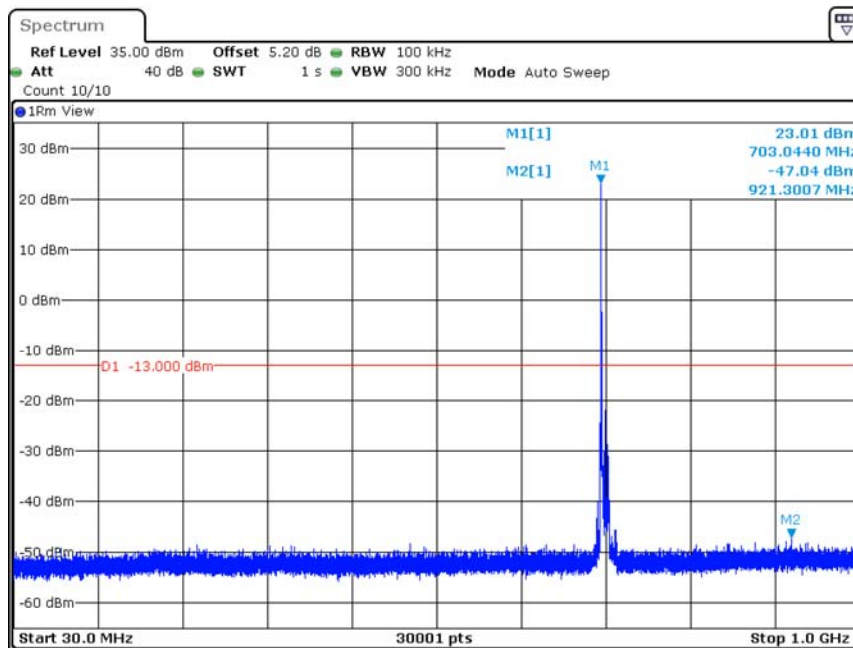
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**Band12-10MHz-QPSK-23060-1RB#0-Range2:1000~10000MHz**



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

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



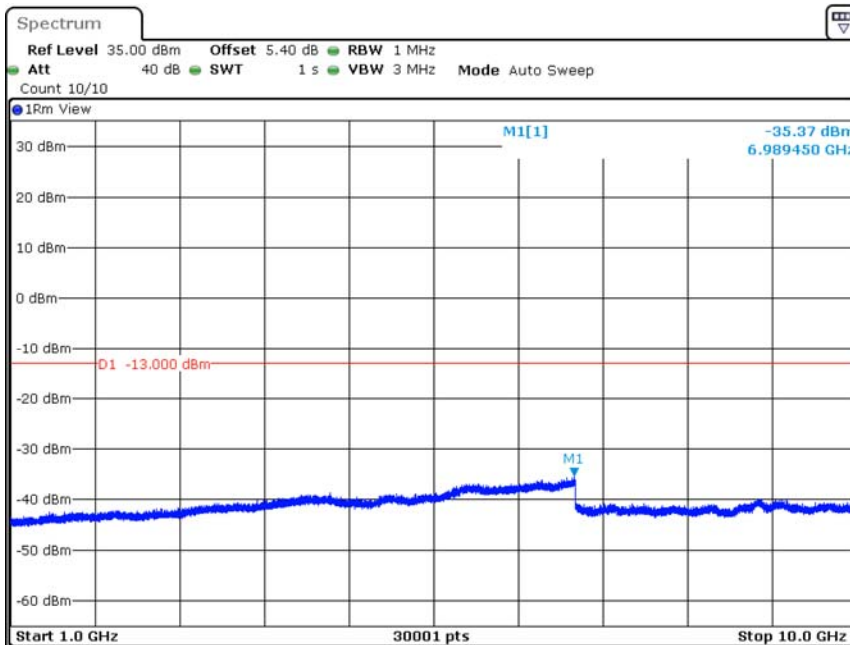
Date: 16.MAY.2021 11:56:04



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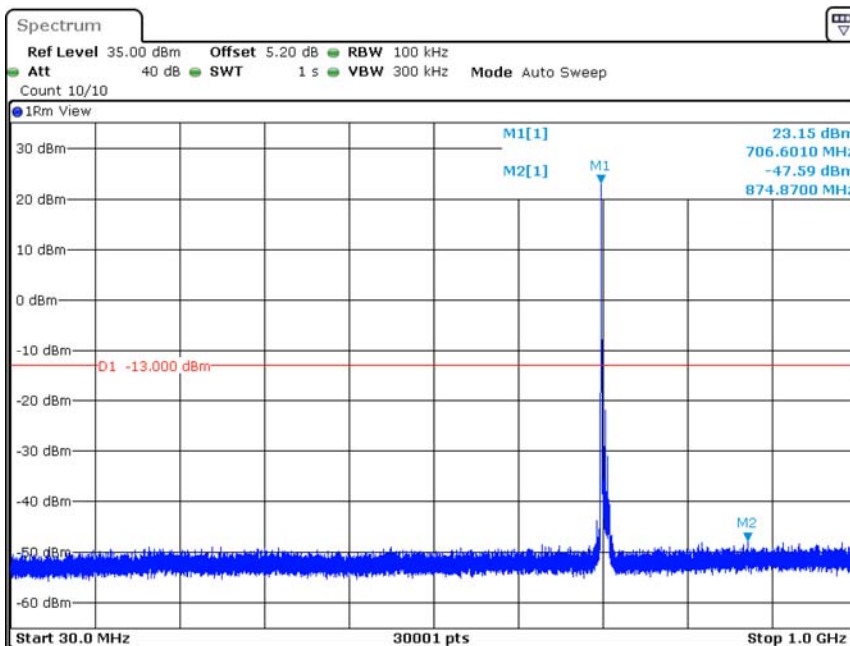
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**Band12-10MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz**



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

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



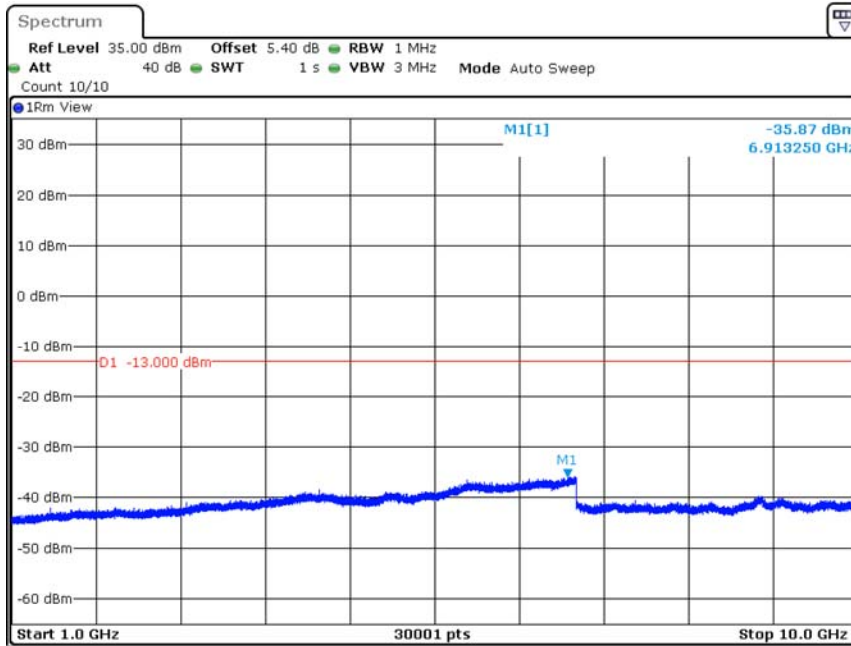
Date: 16.MAY.2021 11:57:15



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



Date: 16.MAY.2021 11:57:30



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## 7. Field Strength of Spurious Radiation

### 7.1. Test Band =Band 12

#### 7.1.1. Test Channel = Low Channel

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



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**7.2. Test Band = Band 12**

**7.2.1. Test Channel = Low Channel**

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



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**7.3. Test Band = Band 12**

**7.3.1. Test Channel = Mid Channel**

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1406.2203	45.43	-43.64	-13.00	30.64	Horizontal
2	1562.5281	31.89	-57.42	-13.00	44.42	Horizontal
3	2187.4594	28.40	-58.16	-13.00	45.16	Horizontal
4	2974.2987	22.03	-60.97	-13.00	47.97	Horizontal
5	5682.5341	49.28	-57.73	-13.00	44.73	Horizontal
6	9991.9496	46.55	-51.68	-13.00	38.68	Horizontal



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**7.4. Test Band = Band 12**

**7.4.1. Test Channel = Mid Channel**

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1406.3203	45.29	-43.78	-13.00	30.78	Vertical
2	1562.5281	38.70	-50.61	-13.00	37.61	Vertical
3	2187.5594	30.49	-56.07	-13.00	43.07	Vertical
4	4531.3266	52.43	-59.40	-13.00	46.40	Vertical
5	7968.8484	52.25	-49.69	-13.00	36.69	Vertical
6	9556.1778	47.13	-51.55	-13.00	38.55	Vertical



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**7.5. Test Band = Band 12**

**7.5.1. Test Channel = High Channel**

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



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**7.6. Test Band = Band 12**

**7.6.1. Test Channel = High Channel**

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1413.2207	43.30	-45.75	-13.00	32.75	Vertical
2	1562.5281	38.69	-50.62	-13.00	37.62	Vertical
3	1718.7359	36.10	-52.91	-13.00	39.91	Vertical
4	2343.6672	30.03	-56.62	-13.00	43.62	Vertical
5	5705.6353	48.85	-58.06	-13.00	45.06	Vertical
6	7968.8484	53.01	-48.93	-13.00	35.93	Vertical

Remark:

- 1 According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.
- 2 The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data displayed in this report.
- 3 all modulation and all Bandwidth had been tested, but only the worst case data displayed in this report.



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## 8. Frequency Stability

### 8.1. Frequency Vs Voltage

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band12	10MHz	QPSK	23060	50RB#0	VL	NT	-4.40	-0.006250	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VN	NT	-2.10	-0.002983	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VH	NT	-1.50	-0.002131	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VL	NT	4.20	0.005936	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VN	NT	-0.20	-0.000283	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VH	NT	4.70	0.006643	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VL	NT	7.00	0.009845	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VN	NT	1.40	0.001969	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VH	NT	4.60	0.006470	±2.5	PASS



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## 8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band12	10MHz	QPSK	23060	50RB#0	NV	-30	1.50	0.002131	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-20	1.10	0.001563	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-10	-0.20	-0.000284	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	0	-0.20	-0.000284	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	10	1.10	0.001563	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	20	6.10	0.008665	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	30	1.30	0.001847	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	40	3.10	0.004403	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	50	1.40	0.001989	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-30	2.00	0.002827	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-20	-1.10	-0.001555	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-10	-0.70	-0.000989	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	0	0.30	0.000424	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	10	0.60	0.000848	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	20	-0.90	-0.001272	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	30	4.40	0.006219	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	40	1.90	0.002686	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	50	-0.60	-0.000848	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-30	4.30	0.006048	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-20	-2.30	-0.003235	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-10	3.60	0.005063	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	0	2.30	0.003235	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	10	1.40	0.001969	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	20	8.00	0.011252	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	30	-1.10	-0.001547	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	40	2.20	0.003094	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	50	-0.90	-0.001266	±2.5	PASS



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