



# 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	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	22.56	18.41	36.98	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	22.63	18.48	36.98	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	22.56	18.41	36.98	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	22.62	18.47	36.98	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	22.58	18.43	36.98	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	22.61	18.46	36.98	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	21.58	17.43	36.98	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	22.59	18.44	36.98	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	22.62	18.47	36.98	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	22.58	18.43	36.98	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	22.57	18.42	36.98	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	22.58	18.43	36.98	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	22.60	18.45	36.98	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	21.55	17.40	36.98	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	22.60	18.45	36.98	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	22.60	18.45	36.98	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	22.61	18.46	36.98	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	22.59	18.44	36.98	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	22.61	18.46	36.98	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	22.62	18.47	36.98	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	21.61	17.46	36.98	PASS
Band12	1.4MHz	64QAM	23017	1RB#0	20.66	16.51	36.98	PASS
Band12	1.4MHz	64QAM	23017	1RB#2	20.54	16.39	36.98	PASS
Band12	1.4MHz	64QAM	23017	1RB#5	20.62	16.47	36.98	PASS
Band12	1.4MHz	64QAM	23017	3RB#0	20.53	16.38	36.98	PASS
Band12	1.4MHz	64QAM	23017	3RB#1	20.51	16.36	36.98	PASS
Band12	1.4MHz	64QAM	23017	3RB#3	20.51	16.36	36.98	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	19.44	15.29	36.98	PASS
Band12	1.4MHz	64QAM	23095	1RB#0	20.65	16.50	36.98	PASS
Band12	1.4MHz	64QAM	23095	1RB#2	20.66	16.51	36.98	PASS
Band12	1.4MHz	64QAM	23095	1RB#5	20.71	16.56	36.98	PASS
Band12	1.4MHz	64QAM	23095	3RB#0	20.59	16.44	36.98	PASS
Band12	1.4MHz	64QAM	23095	3RB#1	20.57	16.42	36.98	PASS
Band12	1.4MHz	64QAM	23095	3RB#3	20.61	16.46	36.98	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	19.55	15.40	36.98	PASS
Band12	1.4MHz	64QAM	23173	1RB#0	20.65	16.50	36.98	PASS



Band12	1.4MHz	64QAM	23173	1RB#2	20.71	16.56	36.98	PASS
Band12	1.4MHz	64QAM	23173	1RB#5	20.63	16.48	36.98	PASS
Band12	1.4MHz	64QAM	23173	3RB#0	20.60	16.45	36.98	PASS
Band12	1.4MHz	64QAM	23173	3RB#1	20.63	16.48	36.98	PASS
Band12	1.4MHz	64QAM	23173	3RB#3	20.59	16.44	36.98	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	19.58	15.43	36.98	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	21.57	17.42	36.98	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	21.66	17.51	36.98	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	21.70	17.55	36.98	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	21.53	17.38	36.98	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	21.54	17.39	36.98	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	21.55	17.40	36.98	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	20.55	16.40	36.98	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	21.67	17.52	36.98	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	21.66	17.51	36.98	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	21.65	17.50	36.98	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	21.58	17.43	36.98	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	21.51	17.36	36.98	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	21.59	17.44	36.98	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	20.55	16.40	36.98	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	21.72	17.57	36.98	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	21.78	17.63	36.98	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	21.72	17.57	36.98	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	21.61	17.46	36.98	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	21.69	17.54	36.98	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	21.62	17.47	36.98	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	20.54	16.39	36.98	PASS
Band12	3MHz	QPSK	23025	1RB#0	22.55	18.40	36.98	PASS
Band12	3MHz	QPSK	23025	1RB#8	22.57	18.42	36.98	PASS
Band12	3MHz	QPSK	23025	1RB#14	22.54	18.39	36.98	PASS
Band12	3MHz	QPSK	23025	8RB#0	21.54	17.39	36.98	PASS
Band12	3MHz	QPSK	23025	8RB#4	21.60	17.45	36.98	PASS
Band12	3MHz	QPSK	23025	8RB#7	21.58	17.43	36.98	PASS
Band12	3MHz	QPSK	23025	15RB#0	21.58	17.43	36.98	PASS
Band12	3MHz	QPSK	23095	1RB#0	22.56	18.41	36.98	PASS
Band12	3MHz	QPSK	23095	1RB#8	22.61	18.46	36.98	PASS
Band12	3MHz	QPSK	23095	1RB#14	22.54	18.39	36.98	PASS
Band12	3MHz	QPSK	23095	8RB#0	21.57	17.42	36.98	PASS
Band12	3MHz	QPSK	23095	8RB#4	21.59	17.44	36.98	PASS
Band12	3MHz	QPSK	23095	8RB#7	21.58	17.43	36.98	PASS
Band12	3MHz	QPSK	23095	15RB#0	21.62	17.47	36.98	PASS
Band12	3MHz	QPSK	23165	1RB#0	22.60	18.45	36.98	PASS



Band12	3MHz	QPSK	23165	1RB#8	22.66	18.51	36.98	PASS
Band12	3MHz	QPSK	23165	1RB#14	22.58	18.43	36.98	PASS
Band12	3MHz	QPSK	23165	8RB#0	21.55	17.40	36.98	PASS
Band12	3MHz	QPSK	23165	8RB#4	21.61	17.46	36.98	PASS
Band12	3MHz	QPSK	23165	8RB#7	21.56	17.41	36.98	PASS
Band12	3MHz	QPSK	23165	15RB#0	21.62	17.47	36.98	PASS
Band12	3MHz	64QAM	23025	1RB#0	20.68	16.53	36.98	PASS
Band12	3MHz	64QAM	23025	1RB#8	20.74	16.59	36.98	PASS
Band12	3MHz	64QAM	23025	1RB#14	20.62	16.47	36.98	PASS
Band12	3MHz	64QAM	23025	8RB#0	19.46	15.31	36.98	PASS
Band12	3MHz	64QAM	23025	8RB#4	19.50	15.35	36.98	PASS
Band12	3MHz	64QAM	23025	8RB#7	19.53	15.38	36.98	PASS
Band12	3MHz	64QAM	23025	15RB#0	19.49	15.34	36.98	PASS
Band12	3MHz	64QAM	23095	1RB#0	20.70	16.55	36.98	PASS
Band12	3MHz	64QAM	23095	1RB#8	20.80	16.65	36.98	PASS
Band12	3MHz	64QAM	23095	1RB#14	20.71	16.56	36.98	PASS
Band12	3MHz	64QAM	23095	8RB#0	19.55	15.40	36.98	PASS
Band12	3MHz	64QAM	23095	8RB#4	19.56	15.41	36.98	PASS
Band12	3MHz	64QAM	23095	8RB#7	19.56	15.41	36.98	PASS
Band12	3MHz	64QAM	23095	15RB#0	19.56	15.41	36.98	PASS
Band12	3MHz	64QAM	23165	1RB#0	20.76	16.61	36.98	PASS
Band12	3MHz	64QAM	23165	1RB#8	20.82	16.67	36.98	PASS
Band12	3MHz	64QAM	23165	1RB#14	20.64	16.49	36.98	PASS
Band12	3MHz	64QAM	23165	8RB#0	19.51	15.36	36.98	PASS
Band12	3MHz	64QAM	23165	8RB#4	19.55	15.40	36.98	PASS
Band12	3MHz	64QAM	23165	8RB#7	19.51	15.36	36.98	PASS
Band12	3MHz	64QAM	23165	15RB#0	19.53	15.38	36.98	PASS
Band12	3MHz	16QAM	23025	1RB#0	21.66	17.51	36.98	PASS
Band12	3MHz	16QAM	23025	1RB#8	21.70	17.55	36.98	PASS
Band12	3MHz	16QAM	23025	1RB#14	21.59	17.44	36.98	PASS
Band12	3MHz	16QAM	23025	8RB#0	20.58	16.43	36.98	PASS
Band12	3MHz	16QAM	23025	8RB#4	20.52	16.37	36.98	PASS
Band12	3MHz	16QAM	23025	8RB#7	20.48	16.33	36.98	PASS
Band12	3MHz	16QAM	23025	15RB#0	20.46	16.31	36.98	PASS
Band12	3MHz	16QAM	23095	1RB#0	21.59	17.44	36.98	PASS
Band12	3MHz	16QAM	23095	1RB#8	21.63	17.48	36.98	PASS
Band12	3MHz	16QAM	23095	1RB#14	21.70	17.55	36.98	PASS
Band12	3MHz	16QAM	23095	8RB#0	20.55	16.40	36.98	PASS
Band12	3MHz	16QAM	23095	8RB#4	20.53	16.38	36.98	PASS
Band12	3MHz	16QAM	23095	8RB#7	20.57	16.42	36.98	PASS
Band12	3MHz	16QAM	23095	15RB#0	20.50	16.35	36.98	PASS
Band12	3MHz	16QAM	23165	1RB#0	21.76	17.61	36.98	PASS



Band12	3MHz	16QAM	23165	1RB#8	21.80	17.65	36.98	PASS
Band12	3MHz	16QAM	23165	1RB#14	21.79	17.64	36.98	PASS
Band12	3MHz	16QAM	23165	8RB#0	20.58	16.43	36.98	PASS
Band12	3MHz	16QAM	23165	8RB#4	20.52	16.37	36.98	PASS
Band12	3MHz	16QAM	23165	8RB#7	20.47	16.32	36.98	PASS
Band12	3MHz	16QAM	23165	15RB#0	20.52	16.37	36.98	PASS
Band12	5MHz	QPSK	23035	1RB#0	22.54	18.39	36.98	PASS
Band12	5MHz	QPSK	23035	1RB#12	22.58	18.43	36.98	PASS
Band12	5MHz	QPSK	23035	1RB#24	22.50	18.35	36.98	PASS
Band12	5MHz	QPSK	23035	12RB#0	21.58	17.43	36.98	PASS
Band12	5MHz	QPSK	23035	12RB#6	21.58	17.43	36.98	PASS
Band12	5MHz	QPSK	23035	12RB#13	21.56	17.41	36.98	PASS
Band12	5MHz	QPSK	23035	25RB#0	21.55	17.40	36.98	PASS
Band12	5MHz	QPSK	23095	1RB#0	22.58	18.43	36.98	PASS
Band12	5MHz	QPSK	23095	1RB#12	22.68	18.53	36.98	PASS
Band12	5MHz	QPSK	23095	1RB#24	22.58	18.43	36.98	PASS
Band12	5MHz	QPSK	23095	12RB#0	21.61	17.46	36.98	PASS
Band12	5MHz	QPSK	23095	12RB#6	21.58	17.43	36.98	PASS
Band12	5MHz	QPSK	23095	12RB#13	21.62	17.47	36.98	PASS
Band12	5MHz	QPSK	23095	25RB#0	21.61	17.46	36.98	PASS
Band12	5MHz	QPSK	23155	1RB#0	22.61	18.46	36.98	PASS
Band12	5MHz	QPSK	23155	1RB#12	22.64	18.49	36.98	PASS
Band12	5MHz	QPSK	23155	1RB#24	22.55	18.40	36.98	PASS
Band12	5MHz	QPSK	23155	12RB#0	21.60	17.45	36.98	PASS
Band12	5MHz	QPSK	23155	12RB#6	21.65	17.50	36.98	PASS
Band12	5MHz	QPSK	23155	12RB#13	21.59	17.44	36.98	PASS
Band12	5MHz	QPSK	23155	25RB#0	21.61	17.46	36.98	PASS
Band12	5MHz	64QAM	23035	1RB#0	20.57	16.42	36.98	PASS
Band12	5MHz	64QAM	23035	1RB#12	20.68	16.53	36.98	PASS
Band12	5MHz	64QAM	23035	1RB#24	20.58	16.43	36.98	PASS
Band12	5MHz	64QAM	23035	12RB#0	19.41	15.26	36.98	PASS
Band12	5MHz	64QAM	23035	12RB#6	19.52	15.37	36.98	PASS
Band12	5MHz	64QAM	23035	12RB#13	19.44	15.29	36.98	PASS
Band12	5MHz	64QAM	23035	25RB#0	19.44	15.29	36.98	PASS
Band12	5MHz	64QAM	23095	1RB#0	20.62	16.47	36.98	PASS
Band12	5MHz	64QAM	23095	1RB#12	20.73	16.58	36.98	PASS
Band12	5MHz	64QAM	23095	1RB#24	20.59	16.44	36.98	PASS
Band12	5MHz	64QAM	23095	12RB#0	19.48	15.33	36.98	PASS
Band12	5MHz	64QAM	23095	12RB#6	19.54	15.39	36.98	PASS
Band12	5MHz	64QAM	23095	12RB#13	19.49	15.34	36.98	PASS
Band12	5MHz	64QAM	23095	25RB#0	19.49	15.34	36.98	PASS
Band12	5MHz	64QAM	23155	1RB#0	20.66	16.51	36.98	PASS





Band12	5MHz	64QAM	23155	1RB#12	20.77	16.62	36.98	PASS
Band12	5MHz	64QAM	23155	1RB#24	20.61	16.46	36.98	PASS
Band12	5MHz	64QAM	23155	12RB#0	19.57	15.42	36.98	PASS
Band12	5MHz	64QAM	23155	12RB#6	19.61	15.46	36.98	PASS
Band12	5MHz	64QAM	23155	12RB#13	19.55	15.40	36.98	PASS
Band12	5MHz	64QAM	23155	25RB#0	19.60	15.45	36.98	PASS
Band12	5MHz	16QAM	23035	1RB#0	21.74	17.59	36.98	PASS
Band12	5MHz	16QAM	23035	1RB#12	21.74	17.59	36.98	PASS
Band12	5MHz	16QAM	23035	1RB#24	21.56	17.41	36.98	PASS
Band12	5MHz	16QAM	23035	12RB#0	20.52	16.37	36.98	PASS
Band12	5MHz	16QAM	23035	12RB#6	20.48	16.33	36.98	PASS
Band12	5MHz	16QAM	23035	12RB#13	20.47	16.32	36.98	PASS
Band12	5MHz	16QAM	23035	25RB#0	20.51	16.36	36.98	PASS
Band12	5MHz	16QAM	23095	1RB#0	21.69	17.54	36.98	PASS
Band12	5MHz	16QAM	23095	1RB#12	21.75	17.60	36.98	PASS
Band12	5MHz	16QAM	23095	1RB#24	21.66	17.51	36.98	PASS
Band12	5MHz	16QAM	23095	12RB#0	20.51	16.36	36.98	PASS
Band12	5MHz	16QAM	23095	12RB#6	20.54	16.39	36.98	PASS
Band12	5MHz	16QAM	23095	12RB#13	20.53	16.38	36.98	PASS
Band12	5MHz	16QAM	23095	25RB#0	20.48	16.33	36.98	PASS
Band12	5MHz	16QAM	23155	1RB#0	21.69	17.54	36.98	PASS
Band12	5MHz	16QAM	23155	1RB#12	21.83	17.68	36.98	PASS
Band12	5MHz	16QAM	23155	1RB#24	21.77	17.62	36.98	PASS
Band12	5MHz	16QAM	23155	12RB#0	20.58	16.43	36.98	PASS
Band12	5MHz	16QAM	23155	12RB#6	20.53	16.38	36.98	PASS
Band12	5MHz	16QAM	23155	12RB#13	20.51	16.36	36.98	PASS
Band12	5MHz	16QAM	23155	25RB#0	20.50	16.35	36.98	PASS
Band12	10MHz	QPSK	23060	1RB#0	22.50	18.35	36.98	PASS
Band12	10MHz	QPSK	23060	1RB#24	22.59	18.44	36.98	PASS
Band12	10MHz	QPSK	23060	1RB#49	22.41	18.26	36.98	PASS
Band12	10MHz	QPSK	23060	25RB#0	21.53	17.38	36.98	PASS
Band12	10MHz	QPSK	23060	25RB#12	21.60	17.45	36.98	PASS
Band12	10MHz	QPSK	23060	25RB#25	21.53	17.38	36.98	PASS
Band12	10MHz	QPSK	23060	50RB#0	21.54	17.39	36.98	PASS
Band12	10MHz	QPSK	23095	1RB#0	22.48	18.33	36.98	PASS
Band12	10MHz	QPSK	23095	1RB#24	22.57	18.42	36.98	PASS
Band12	10MHz	QPSK	23095	1RB#49	22.48	18.33	36.98	PASS
Band12	10MHz	QPSK	23095	25RB#0	21.55	17.40	36.98	PASS
Band12	10MHz	QPSK	23095	25RB#12	21.55	17.40	36.98	PASS
Band12	10MHz	QPSK	23095	25RB#25	21.57	17.42	36.98	PASS
Band12	10MHz	QPSK	23095	50RB#0	21.56	17.41	36.98	PASS
Band12	10MHz	QPSK	23130	1RB#0	22.47	18.32	36.98	PASS



Band12	10MHz	QPSK	23130	1RB#24	22.61	18.46	36.98	PASS
Band12	10MHz	QPSK	23130	1RB#49	22.50	18.35	36.98	PASS
Band12	10MHz	QPSK	23130	25RB#0	21.64	17.49	36.98	PASS
Band12	10MHz	QPSK	23130	25RB#12	21.61	17.46	36.98	PASS
Band12	10MHz	QPSK	23130	25RB#25	21.51	17.36	36.98	PASS
Band12	10MHz	QPSK	23130	50RB#0	21.54	17.39	36.98	PASS
Band12	10MHz	64QAM	23060	1RB#0	20.55	16.40	36.98	PASS
Band12	10MHz	64QAM	23060	1RB#24	20.65	16.50	36.98	PASS
Band12	10MHz	64QAM	23060	1RB#49	20.55	16.40	36.98	PASS
Band12	10MHz	64QAM	23060	25RB#0	19.47	15.32	36.98	PASS
Band12	10MHz	64QAM	23060	25RB#12	19.43	15.28	36.98	PASS
Band12	10MHz	64QAM	23060	25RB#25	19.52	15.37	36.98	PASS
Band12	10MHz	64QAM	23060	50RB#0	19.46	15.31	36.98	PASS
Band12	10MHz	64QAM	23095	1RB#0	20.58	16.43	36.98	PASS
Band12	10MHz	64QAM	23095	1RB#24	20.69	16.54	36.98	PASS
Band12	10MHz	64QAM	23095	1RB#49	20.55	16.40	36.98	PASS
Band12	10MHz	64QAM	23095	25RB#0	19.46	15.31	36.98	PASS
Band12	10MHz	64QAM	23095	25RB#12	19.51	15.36	36.98	PASS
Band12	10MHz	64QAM	23095	25RB#25	19.49	15.34	36.98	PASS
Band12	10MHz	64QAM	23095	50RB#0	19.47	15.32	36.98	PASS
Band12	10MHz	64QAM	23130	1RB#0	20.54	16.39	36.98	PASS
Band12	10MHz	64QAM	23130	1RB#24	20.74	16.59	36.98	PASS
Band12	10MHz	64QAM	23130	1RB#49	20.49	16.34	36.98	PASS
Band12	10MHz	64QAM	23130	25RB#0	19.52	15.37	36.98	PASS
Band12	10MHz	64QAM	23130	25RB#12	19.55	15.40	36.98	PASS
Band12	10MHz	64QAM	23130	25RB#25	19.56	15.41	36.98	PASS
Band12	10MHz	64QAM	23130	50RB#0	19.51	15.36	36.98	PASS
Band12	10MHz	16QAM	23060	1RB#0	21.62	17.47	36.98	PASS
Band12	10MHz	16QAM	23060	1RB#24	21.77	17.62	36.98	PASS
Band12	10MHz	16QAM	23060	1RB#49	21.60	17.45	36.98	PASS
Band12	10MHz	16QAM	23060	25RB#0	20.48	16.33	36.98	PASS
Band12	10MHz	16QAM	23060	25RB#12	20.44	16.29	36.98	PASS
Band12	10MHz	16QAM	23060	25RB#25	20.50	16.35	36.98	PASS
Band12	10MHz	16QAM	23060	50RB#0	20.49	16.34	36.98	PASS
Band12	10MHz	16QAM	23095	1RB#0	21.66	17.51	36.98	PASS
Band12	10MHz	16QAM	23095	1RB#24	21.65	17.50	36.98	PASS
Band12	10MHz	16QAM	23095	1RB#49	21.54	17.39	36.98	PASS
Band12	10MHz	16QAM	23095	25RB#0	20.46	16.31	36.98	PASS
Band12	10MHz	16QAM	23095	25RB#12	20.50	16.35	36.98	PASS
Band12	10MHz	16QAM	23095	25RB#25	20.51	16.36	36.98	PASS
Band12	10MHz	16QAM	23095	50RB#0	20.42	16.27	36.98	PASS
Band12	10MHz	16QAM	23130	1RB#0	21.62	17.47	36.98	PASS



Band12	10MHz	16QAM	23130	1RB#24	21.70	17.55	36.98	PASS
Band12	10MHz	16QAM	23130	1RB#49	21.60	17.45	36.98	PASS
Band12	10MHz	16QAM	23130	25RB#0	20.55	16.40	36.98	PASS
Band12	10MHz	16QAM	23130	25RB#12	20.56	16.41	36.98	PASS
Band12	10MHz	16QAM	23130	25RB#25	20.46	16.31	36.98	PASS
Band12	10MHz	16QAM	23130	50RB#0	20.52	16.37	36.98	PASS

Remark:

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

$$\text{ERP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBd]}$$

$$\text{EIRP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBi]}$$

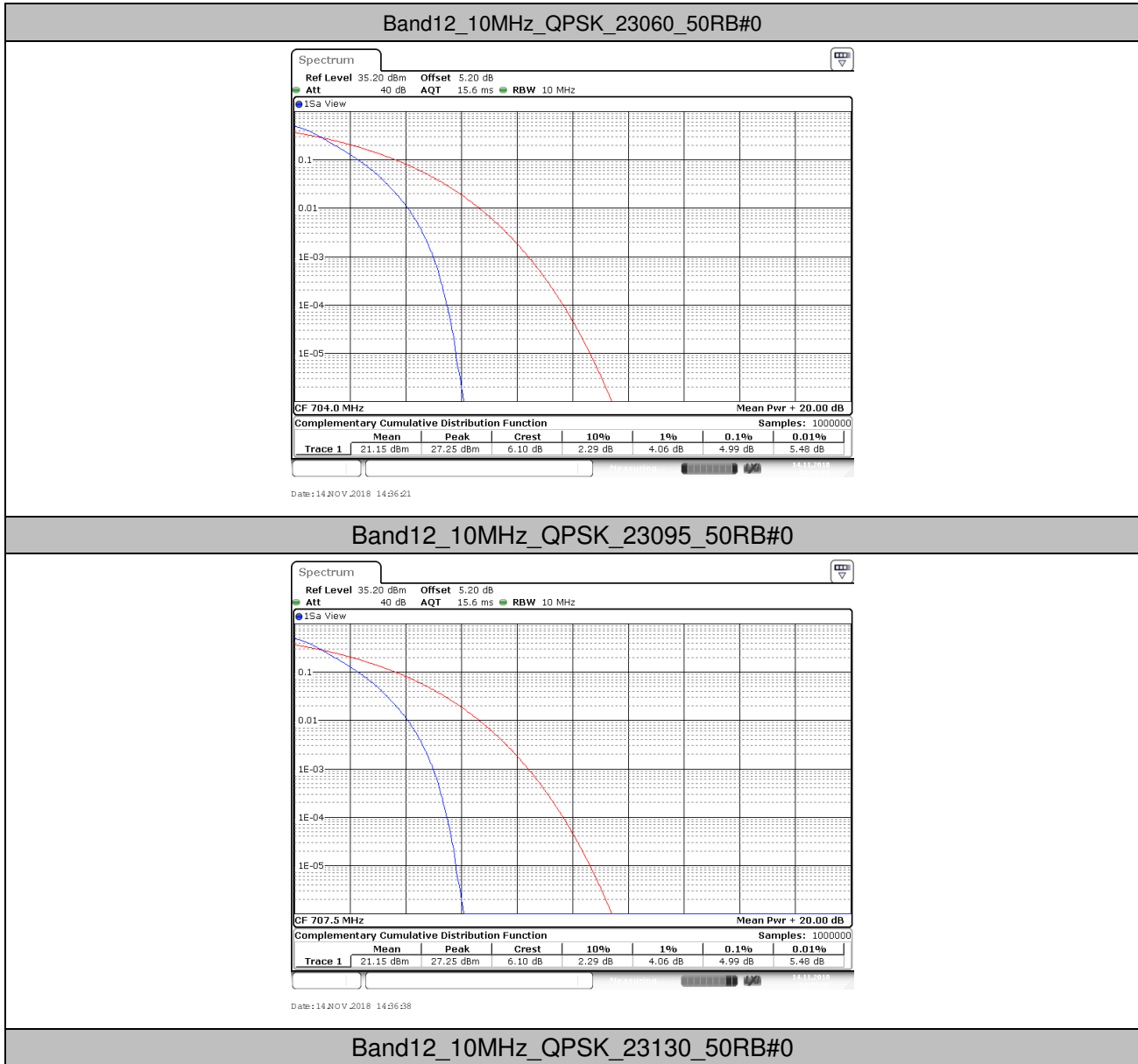
b: SGP=Signal Generator Level

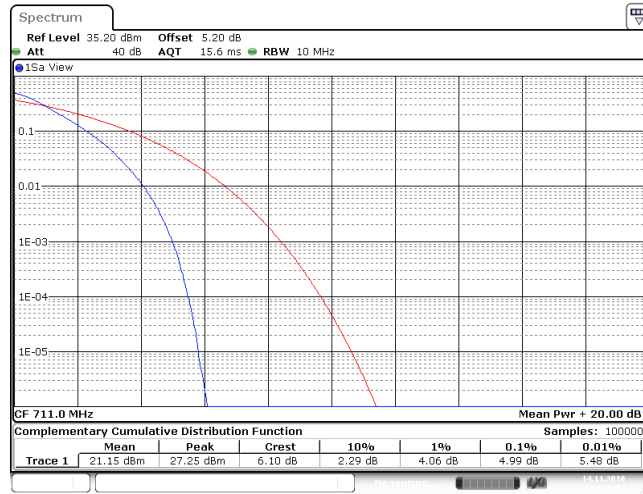
## 2. Peak-to-Average Ratio(CCDF)

### 2.1. Test Result

BAND	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	10MHz	QPSK	23060	50RB#0	4.99	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	4.99	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	4.99	13	PASS
Band12	10MHz	64QAM	23060	50RB#0	5.42	13	PASS
Band12	10MHz	64QAM	23095	50RB#0	5.42	13	PASS
Band12	10MHz	64QAM	23130	50RB#0	5.42	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	4.99	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	4.99	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	4.99	13	PASS

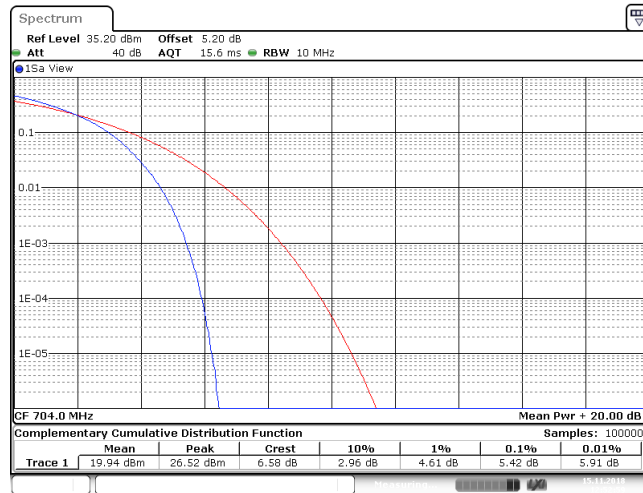
## 2.2. Test Plots





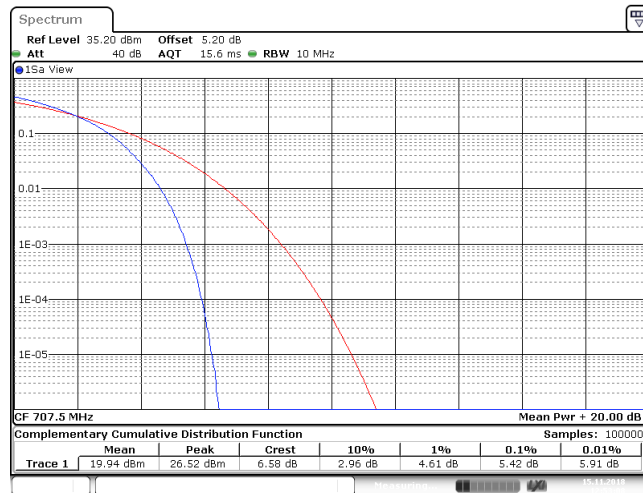
Date: 14 NOV 2018 14:36:55

**Band12\_10MHz\_64QAM\_23060\_50RB#0**



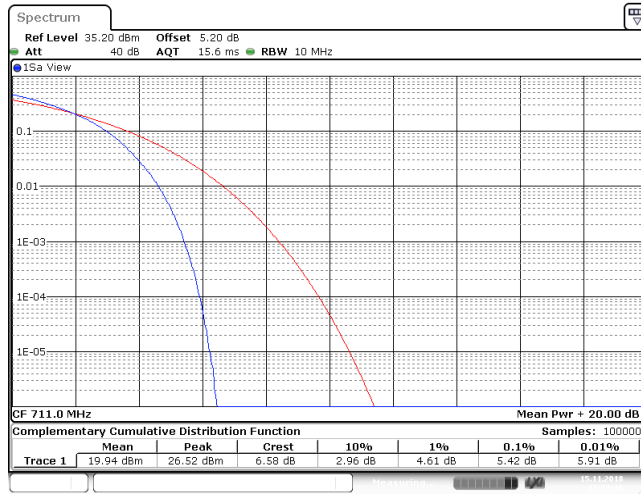
Date: 15 NOV 2018 12:52:59

**Band12\_10MHz\_64QAM\_23095\_50RB#0**



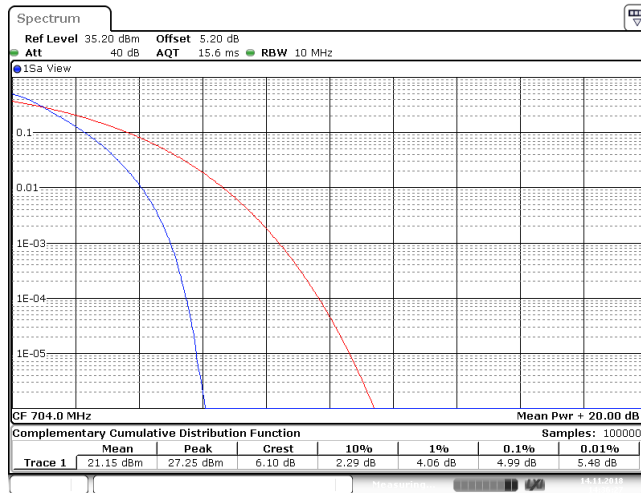
Date: 15 NOV 2018 12:53:28

**Band12\_10MHz\_64QAM\_23130\_50RB#0**



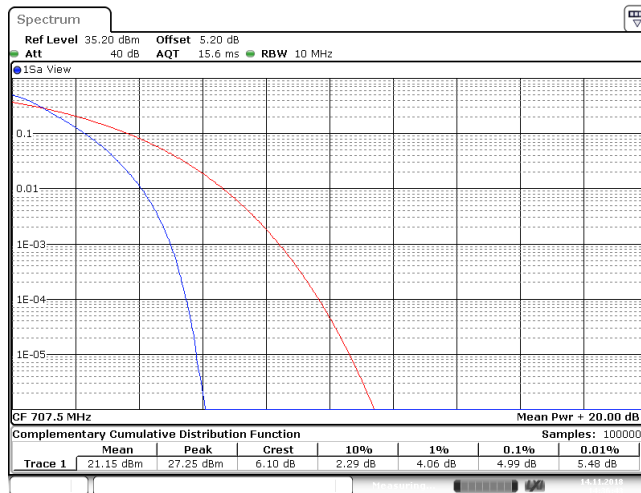
Date: 15 NOV 2018 12:53:17

**Band12\_10MHz\_16QAM\_23060\_50RB#0**



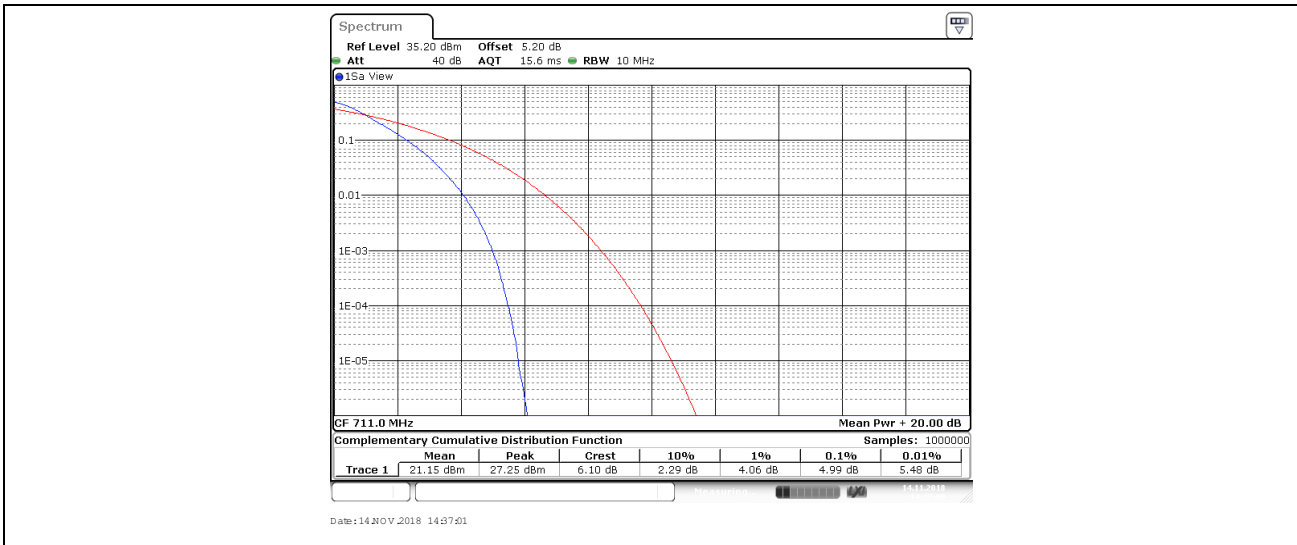
Date: 14 NOV 2018 14:26:27

**Band12\_10MHz\_16QAM\_23095\_50RB#0**



Date: 14 NOV 2018 14:26:44

**Band12\_10MHz\_16QAM\_23130\_50RB#0**



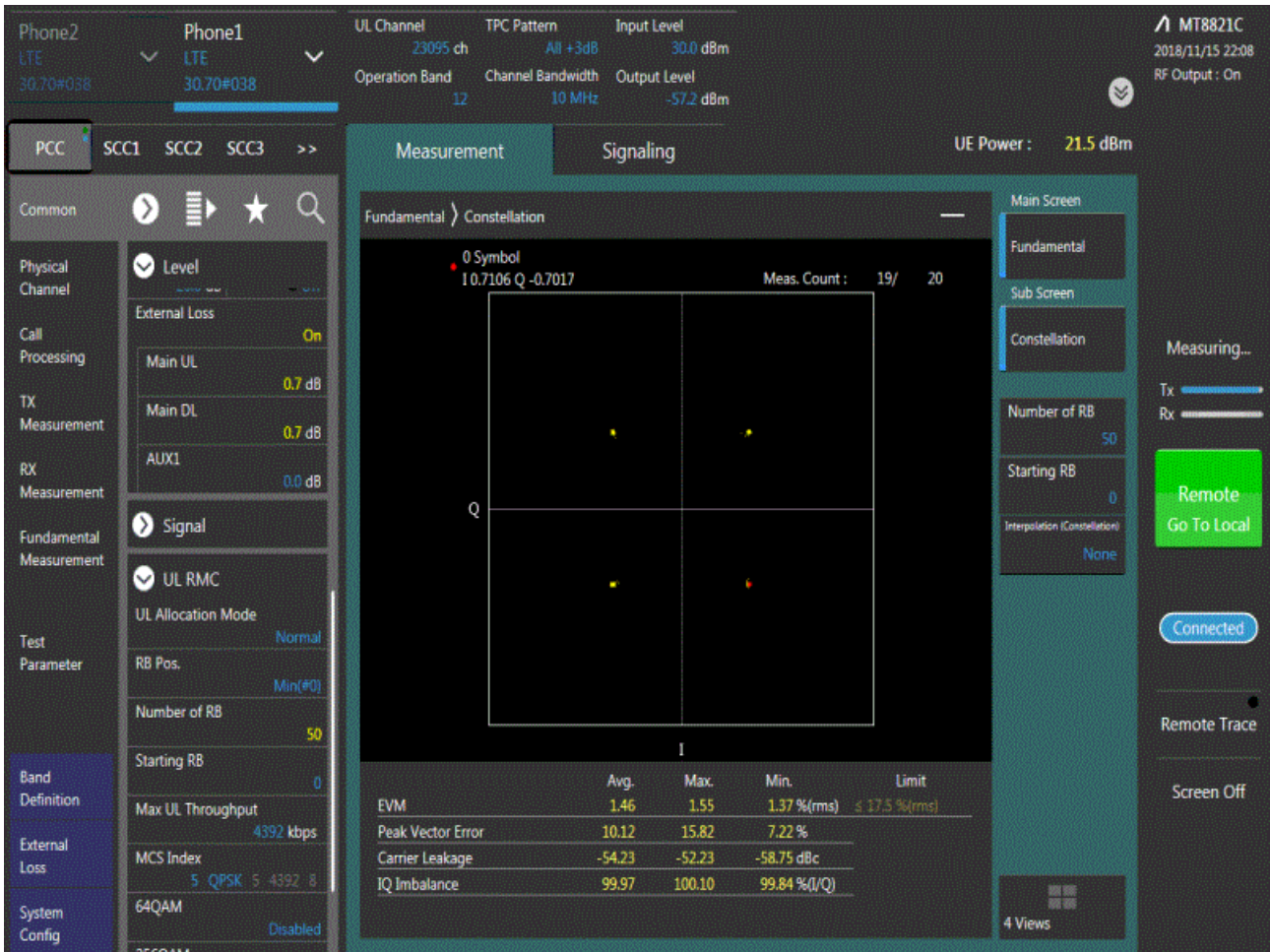


### 3. Modulation Characteristics

#### 3.1. Test BAND = LTE BAND12

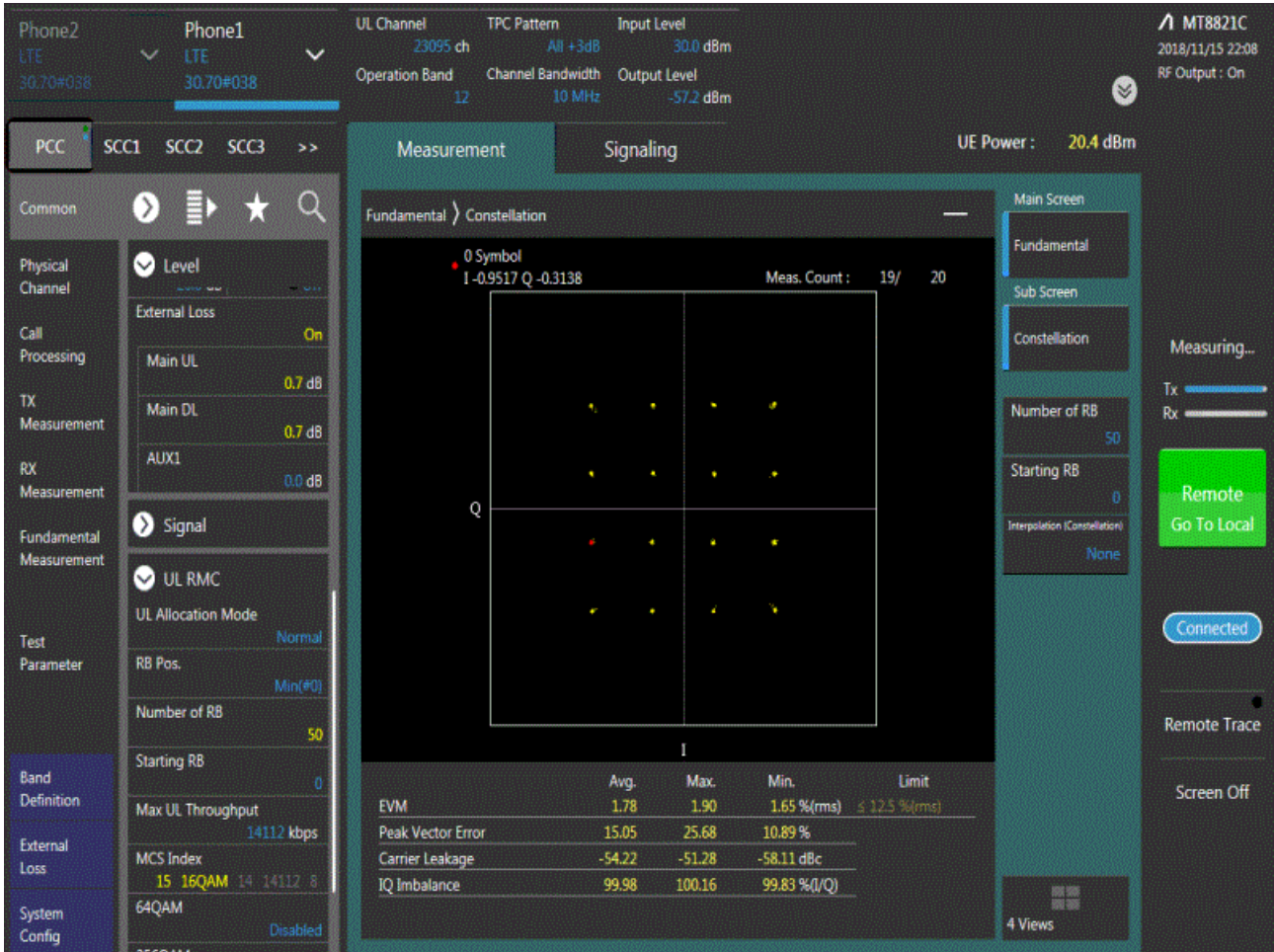
#### 3.1.1. Test Mode = LTE /TM1 10MHZ

#### 3.1.1.1. Test Channel = MCH



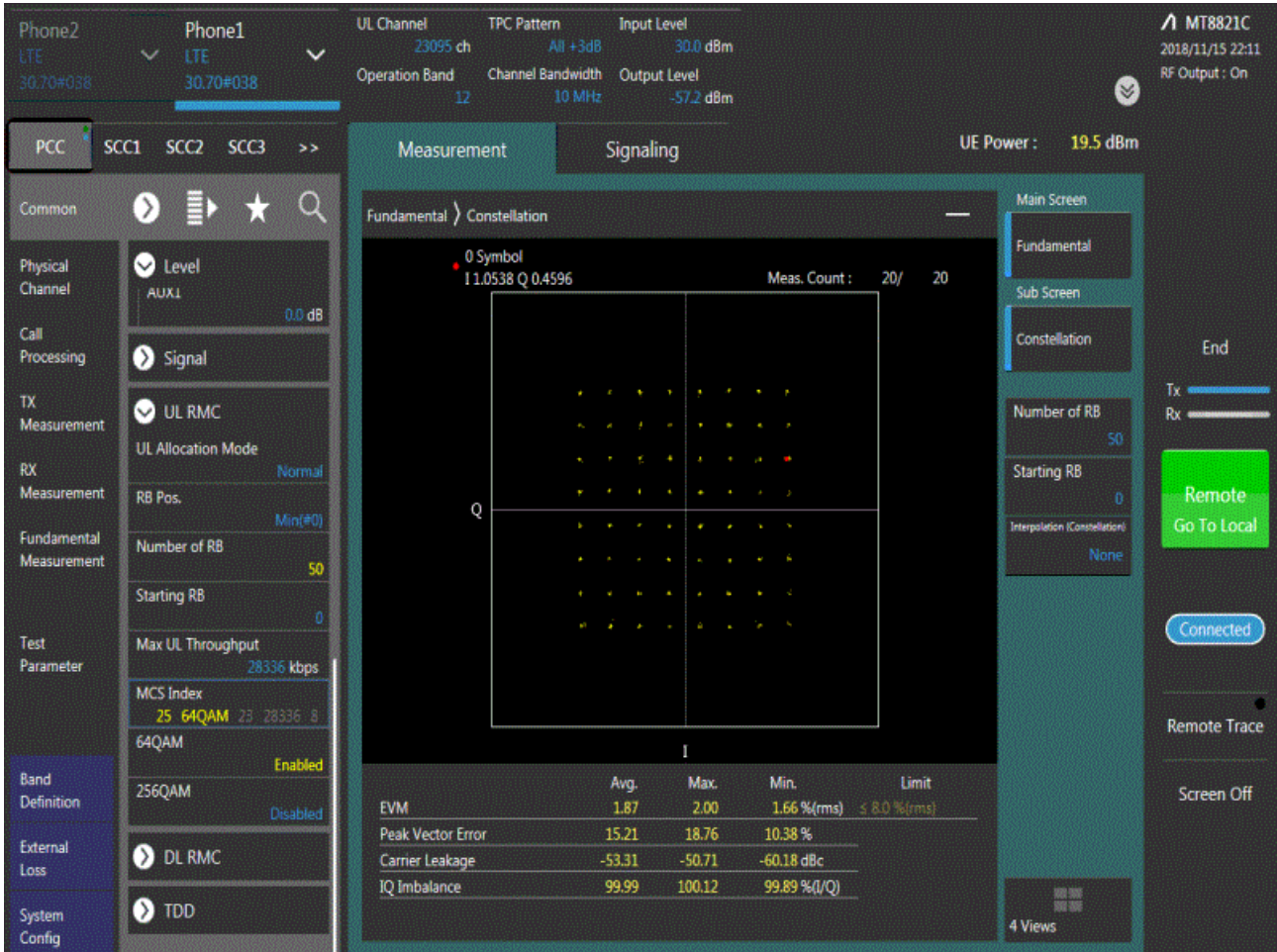
### 3.1.2. Test Mode = LTE /TM2 10MHz

#### 3.1.2.1. Test Channel = MCH



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

#### 3.1.1.1. Test Channel = MCH



## 4. 26dB Bandwidth and Occupied Bandwidth

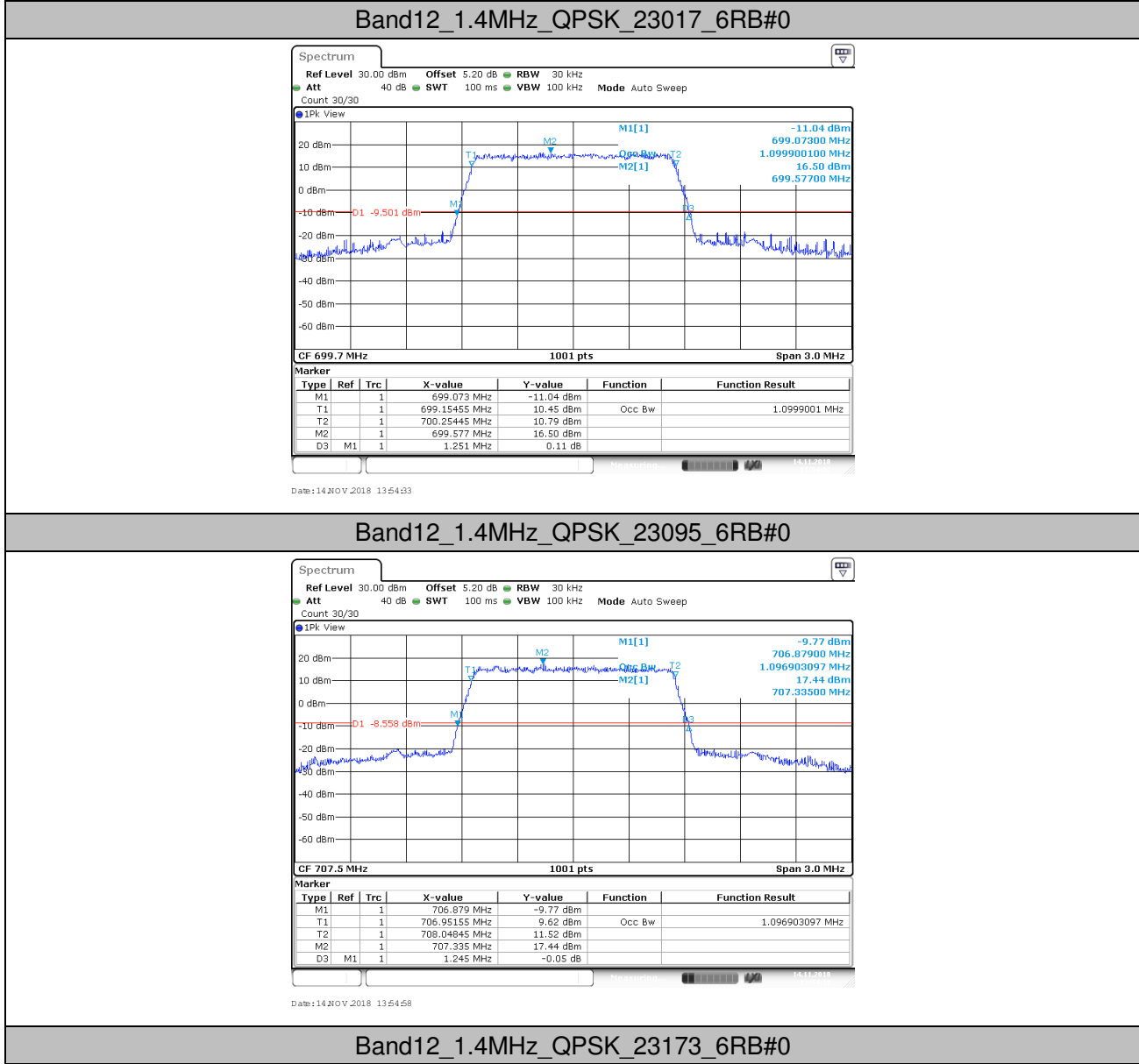
### 4.1. Test Result

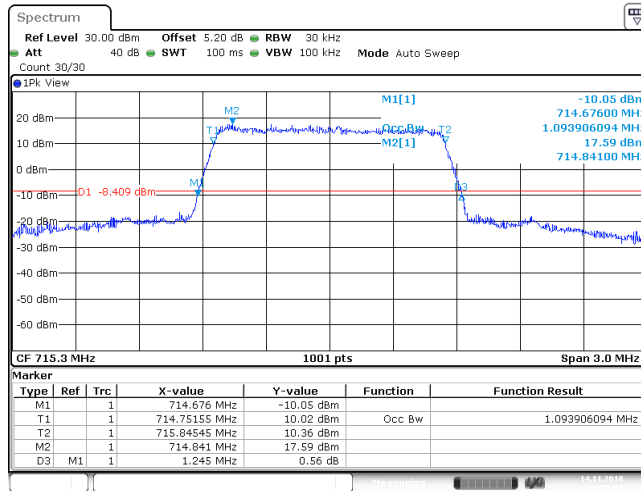
BAND	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.099	1.251	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.097	1.245	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.094	1.245	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	1.097	1.245	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	1.099	1.248	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	1.106	1.248	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.103	1.245	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.099	1.248	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.094	1.248	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.703	2.976	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.703	2.970	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.703	2.976	PASS
Band12	3MHz	64QAM	23025	15RB#0	2.697	2.958	PASS
Band12	3MHz	64QAM	23095	15RB#0	2.697	2.976	PASS
Band12	3MHz	64QAM	23165	15RB#0	2.697	2.982	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.703	2.970	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.691	2.988	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.691	2.982	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.466	4.870	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.476	4.890	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.476	4.880	PASS
Band12	5MHz	64QAM	23035	25RB#0	4.466	4.880	PASS
Band12	5MHz	64QAM	23095	25RB#0	4.486	4.910	PASS
Band12	5MHz	64QAM	23155	25RB#0	4.466	4.890	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.466	4.900	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.476	4.940	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.476	4.940	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.931	9.700	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.931	9.820	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.931	9.800	PASS
Band12	10MHz	64QAM	23060	50RB#0	8.911	9.800	PASS
Band12	10MHz	64QAM	23095	50RB#0	8.971	9.780	PASS
Band12	10MHz	64QAM	23130	50RB#0	8.951	9.780	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.931	9.740	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.971	9.840	PASS



Band12	10MHz	16QAM	23130	50RB#0	8.931	9.760	PASS
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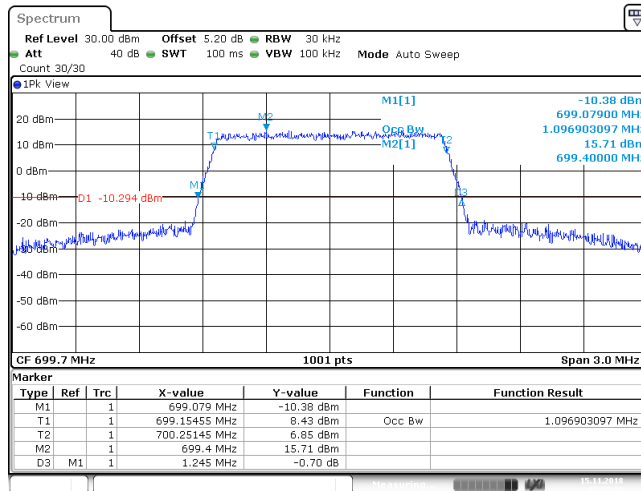
### 4.2. Test Plots





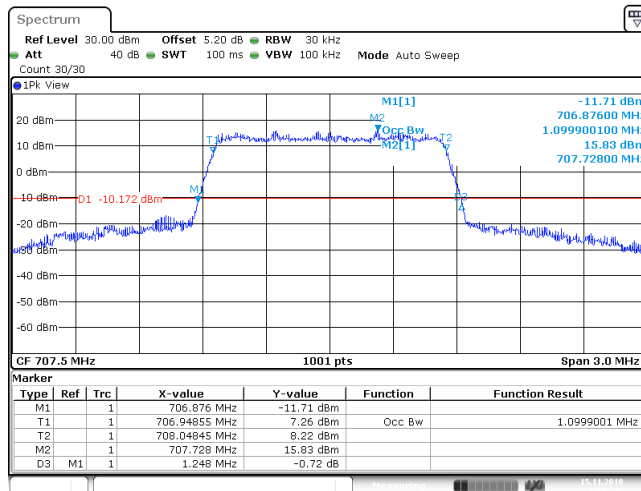
Date: 14 NOV 2018 13:55:23

**Band12\_1.4MHz\_64QAM\_23017\_6RB#0**



Date: 15 NOV 2018 12:22:32

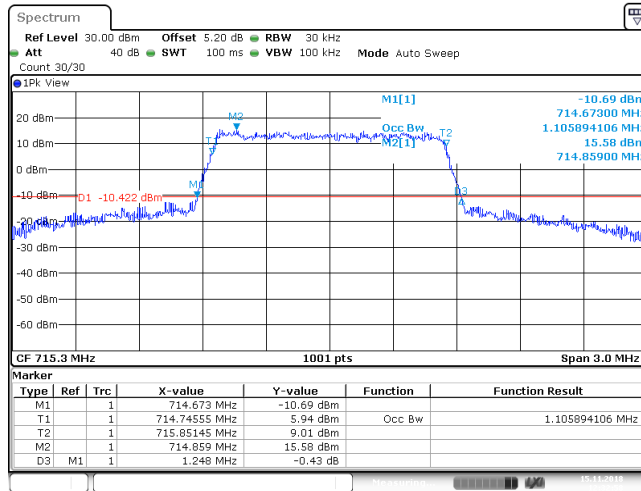
**Band12\_1.4MHz\_64QAM\_23095\_6RB#0**



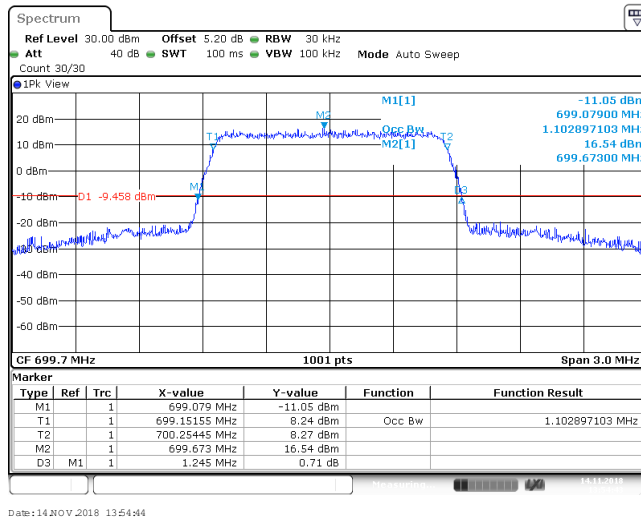
Date: 15 NOV 2018 12:22:45

**Band12\_1.4MHz\_64QAM\_23173\_6RB#0**

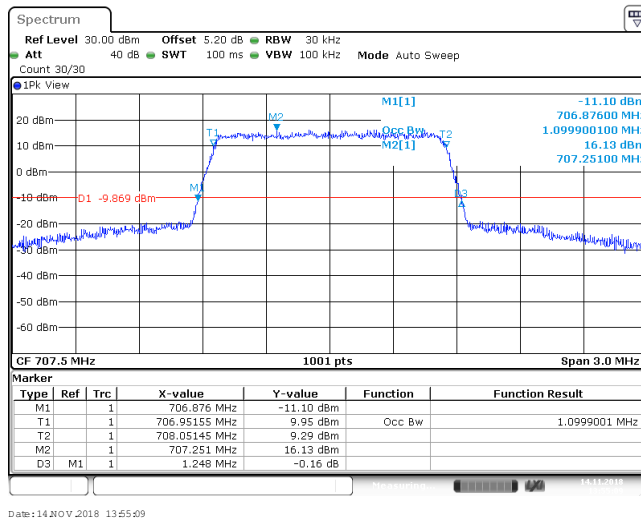




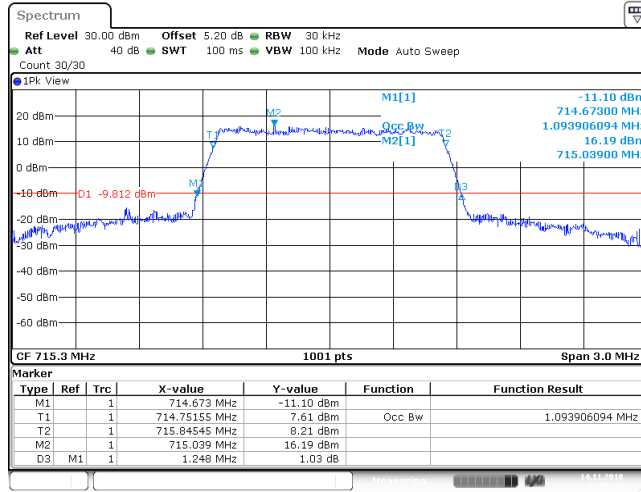
**Band12\_1.4MHz\_16QAM\_23017\_6RB#0**



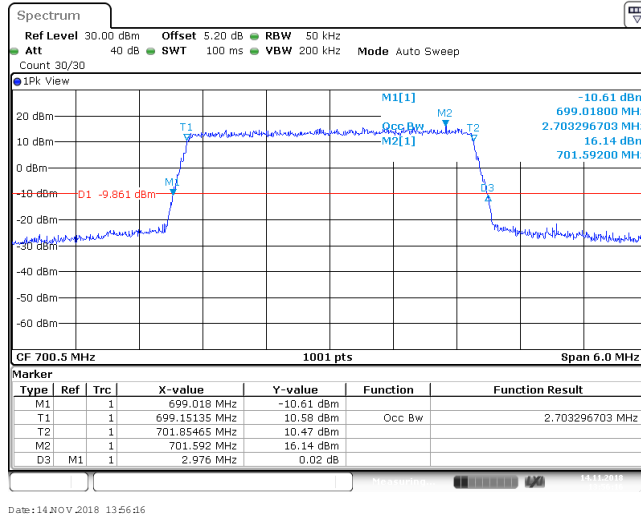
**Band12\_1.4MHz\_16QAM\_23095\_6RB#0**



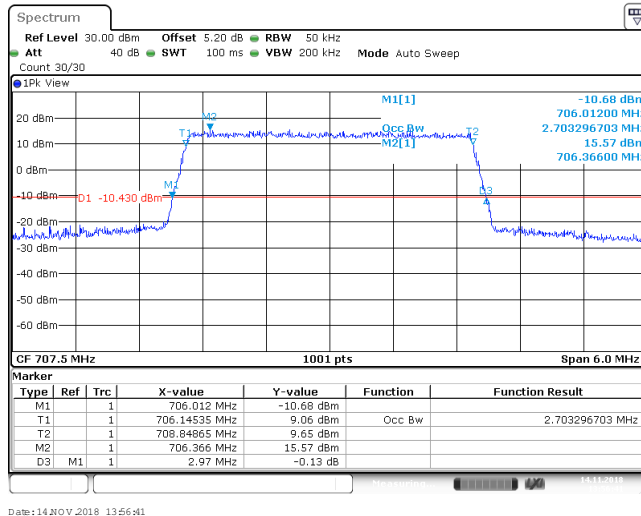
**Band12\_1.4MHz\_16QAM\_23173\_6RB#0**



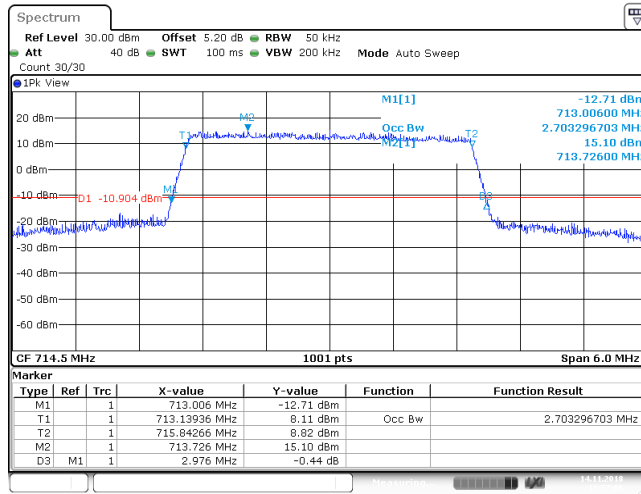
**Band12\_3MHz\_QPSK\_23025\_15RB#0**



**Band12\_3MHz\_QPSK\_23095\_15RB#0**

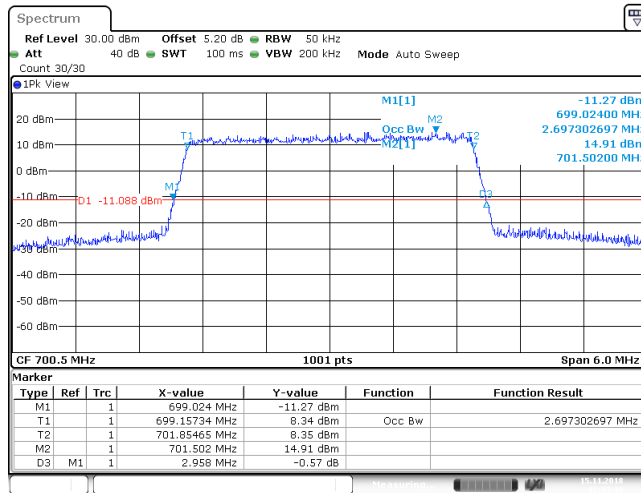


**Band12\_3MHz\_QPSK\_23165\_15RB#0**



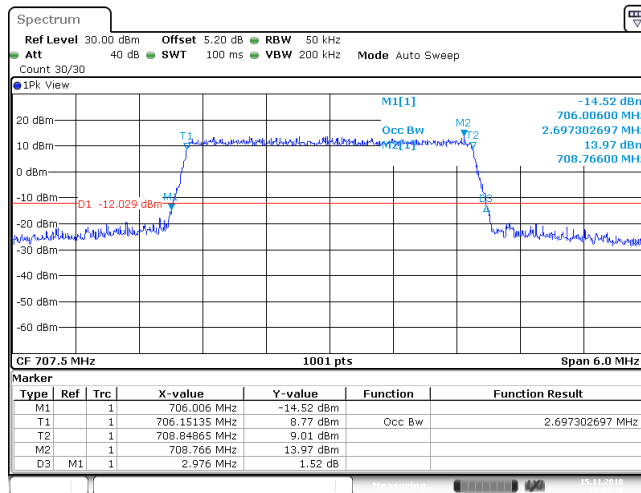
Date: 14 NOV 2018 13:57:06

**Band12\_3MHz\_64QAM\_23025\_15RB#0**



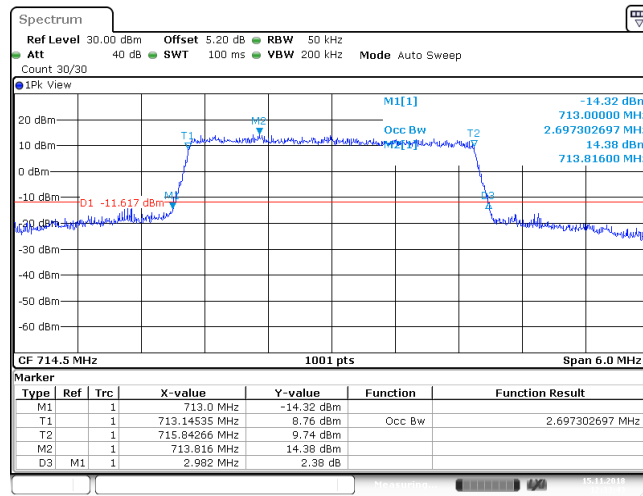
Date: 15 NOV 2018 12:33:16

**Band12\_3MHz\_64QAM\_23095\_15RB#0**

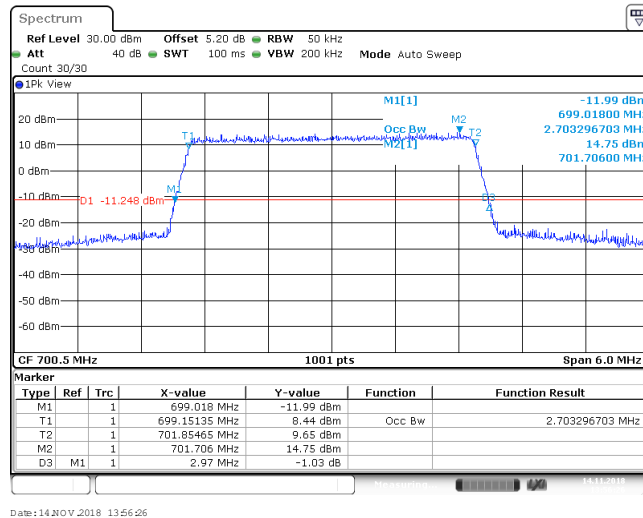


Date: 15 NOV 2018 12:33:29

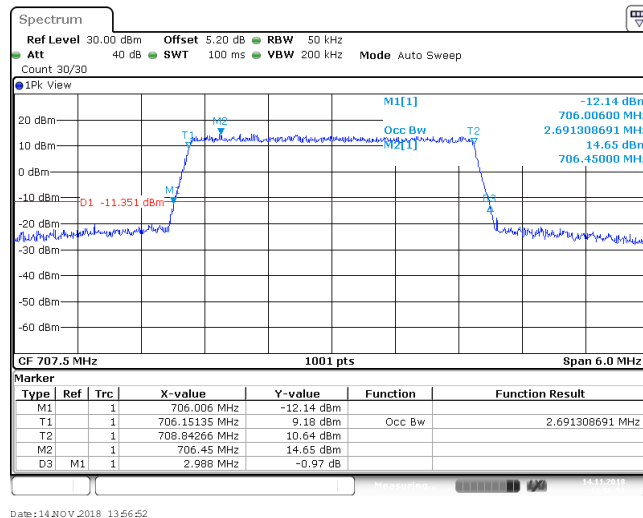
**Band12\_3MHz\_64QAM\_23165\_15RB#0**



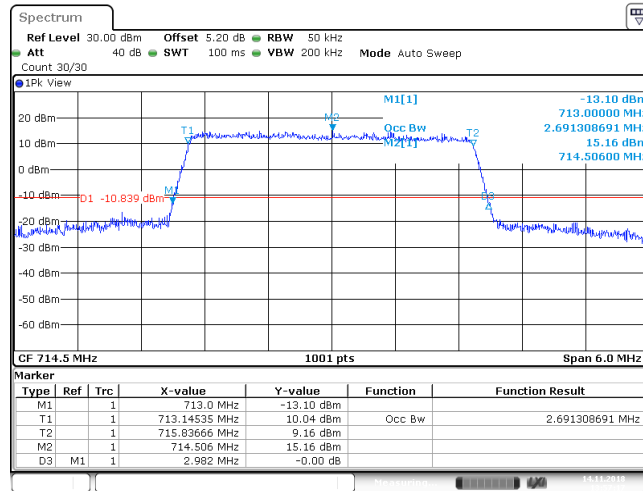
**Band12\_3MHz\_16QAM\_23025\_15RB#0**



**Band12\_3MHz\_16QAM\_23095\_15RB#0**

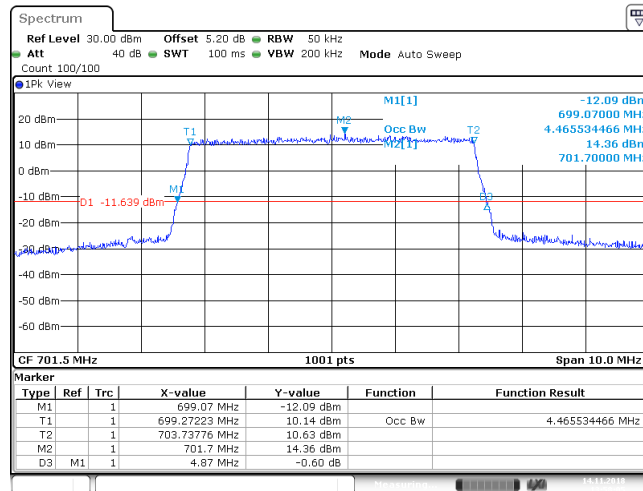


**Band12\_3MHz\_16QAM\_23165\_15RB#0**



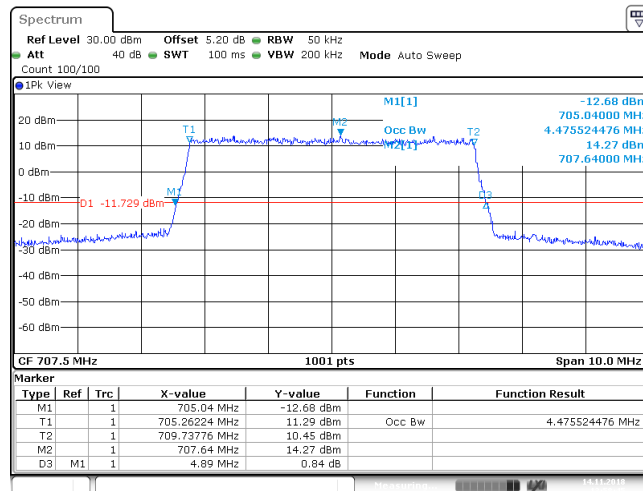
Date: 14 NOV 2018 13:57:17

**Band12\_5MHz\_QPSK\_23035\_25RB#0**



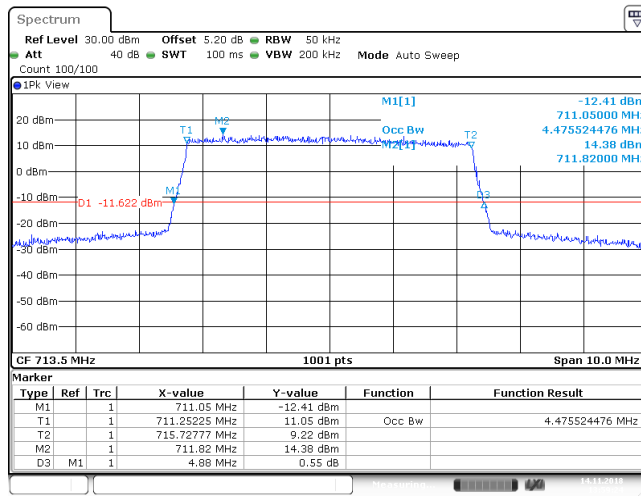
Date: 14 NOV 2018 13:58:25

**Band12\_5MHz\_QPSK\_23095\_25RB#0**



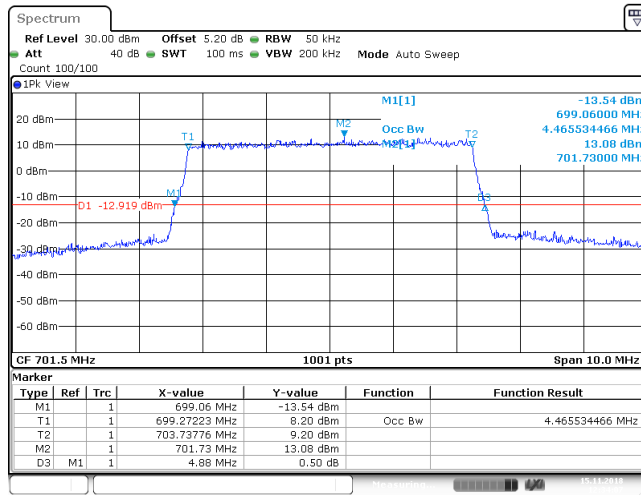
Date: 14 NOV 2018 13:58:45

**Band12\_5MHz\_QPSK\_23155\_25RB#0**



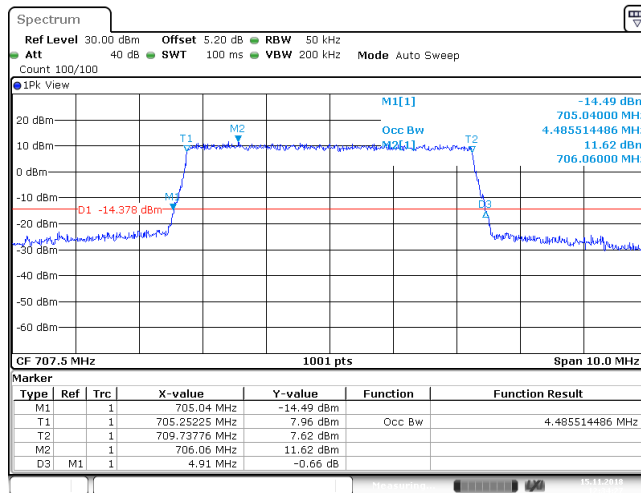
Date: 14 NOV 2018 13:59:24

**Band12\_5MHz\_64QAM\_23035\_25RB#0**



Date: 15 NOV 2018 12:34:27

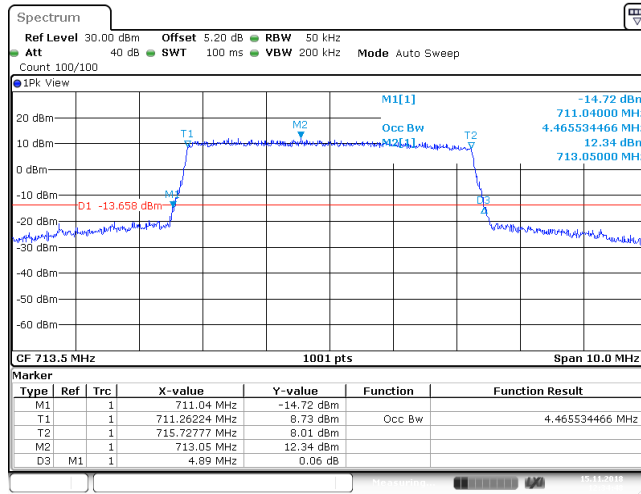
**Band12\_5MHz\_64QAM\_23095\_25RB#0**



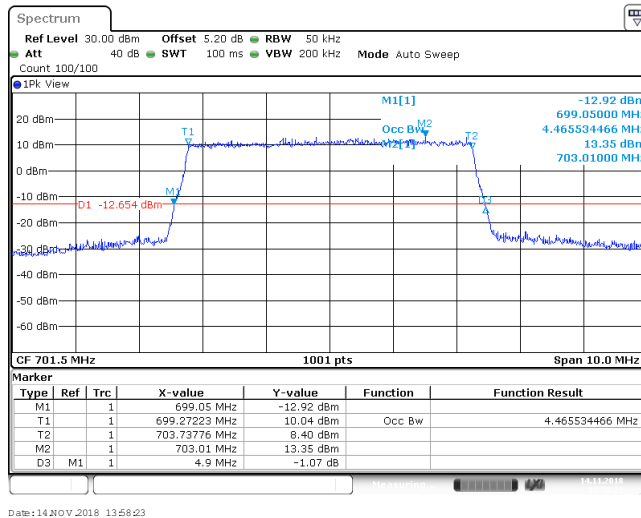
Date: 15 NOV 2018 12:34:27

**Band12\_5MHz\_64QAM\_23155\_25RB#0**

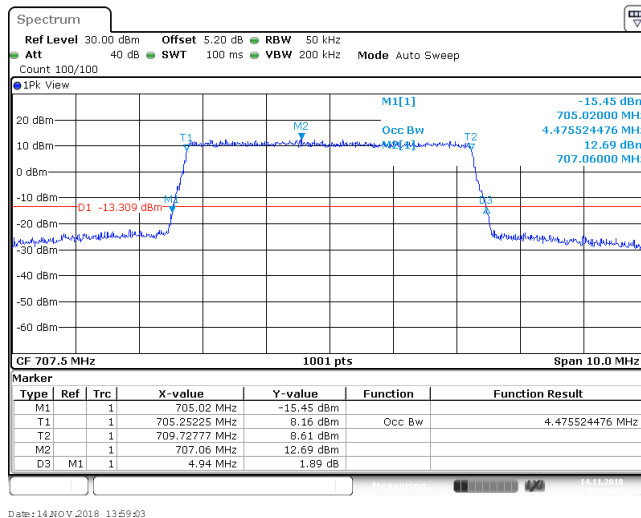




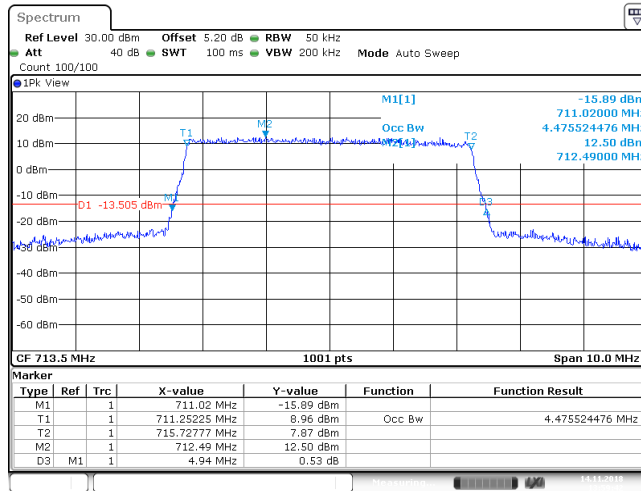
**Band12\_5MHz\_16QAM\_23035\_25RB#0**



**Band12\_5MHz\_16QAM\_23095\_25RB#0**

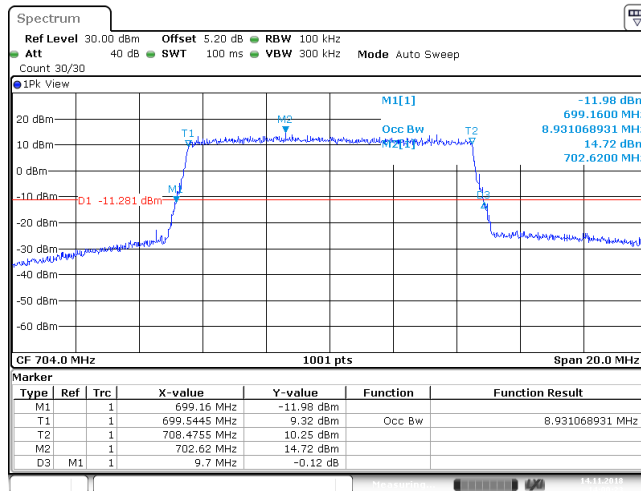


**Band12\_5MHz\_16QAM\_23155\_25RB#0**



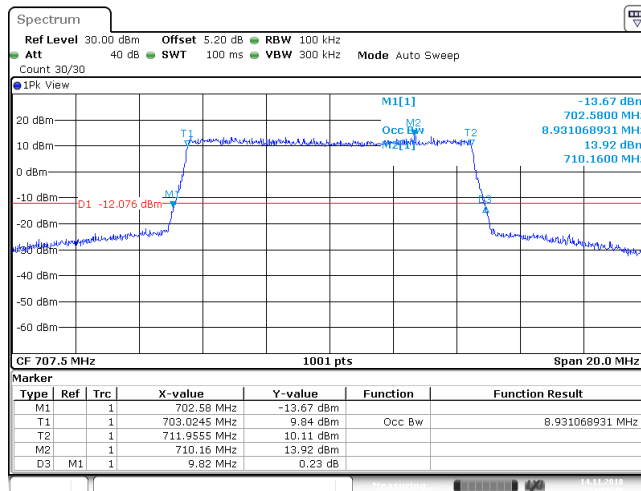
Date: 14 NOV 2018 13:59:42

**Band12\_10MHz\_QPSK\_23060\_50RB#0**



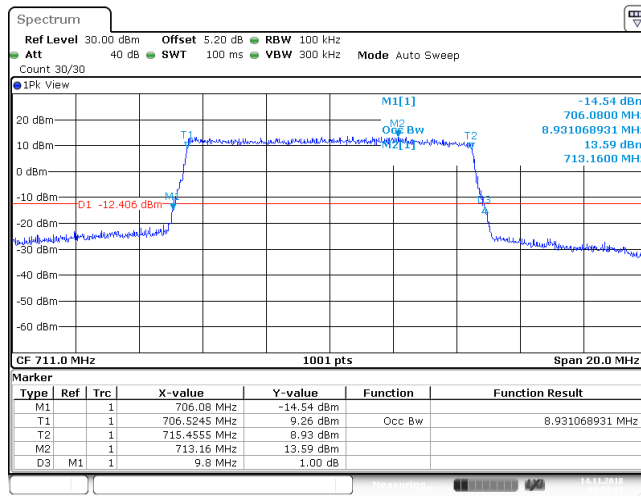
Date: 14 NOV 2018 14:00:24

**Band12\_10MHz\_QPSK\_23095\_50RB#0**



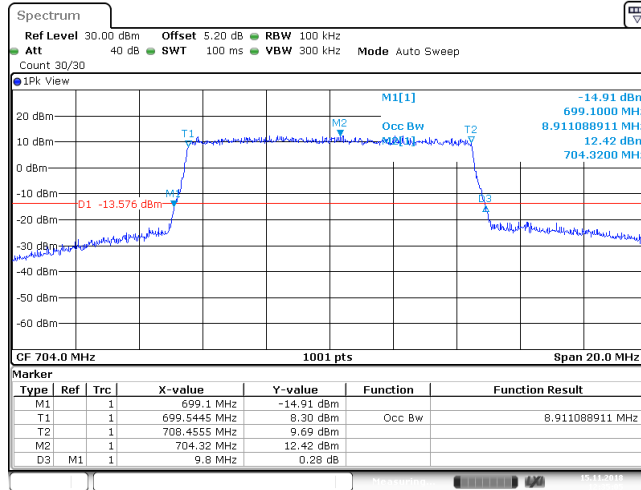
Date: 14 NOV 2018 14:00:50

**Band12\_10MHz\_QPSK\_23130\_50RB#0**



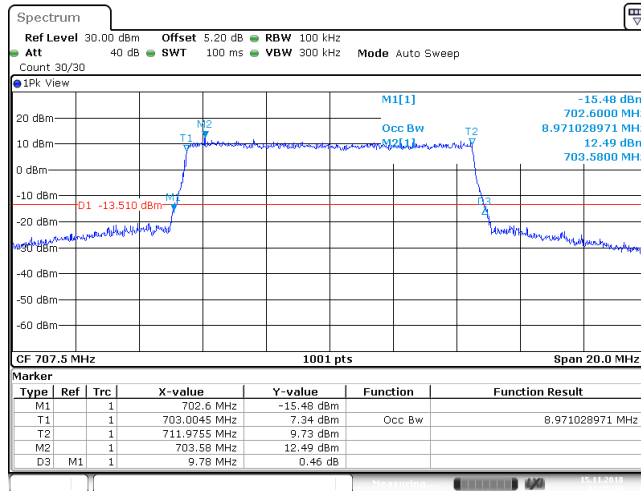
Date: 14 NOV 2018 14:01:15

**Band12\_10MHz\_64QAM\_23060\_50RB#0**



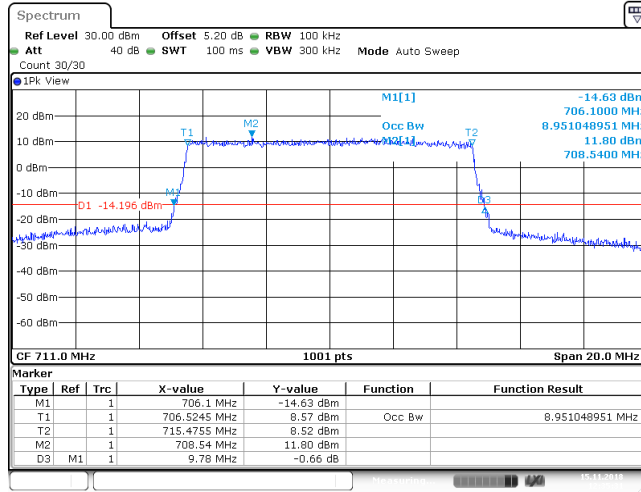
Date: 15 NOV 2018 12:25:25

**Band12\_10MHz\_64QAM\_23095\_50RB#0**



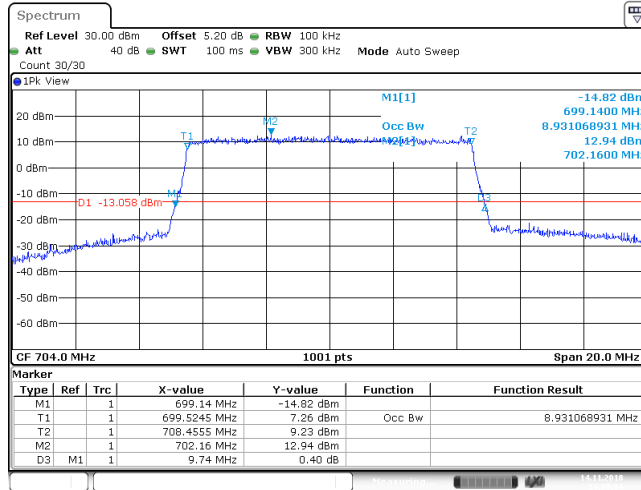
Date: 15 NOV 2018 12:25:18

**Band12\_10MHz\_64QAM\_23130\_50RB#0**



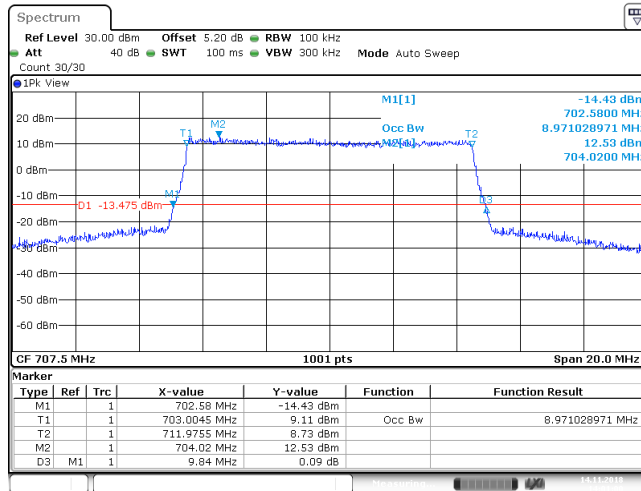
Date: 15 NOV 2018 12:25:31

**Band12\_10MHz\_16QAM\_23060\_50RB#0**



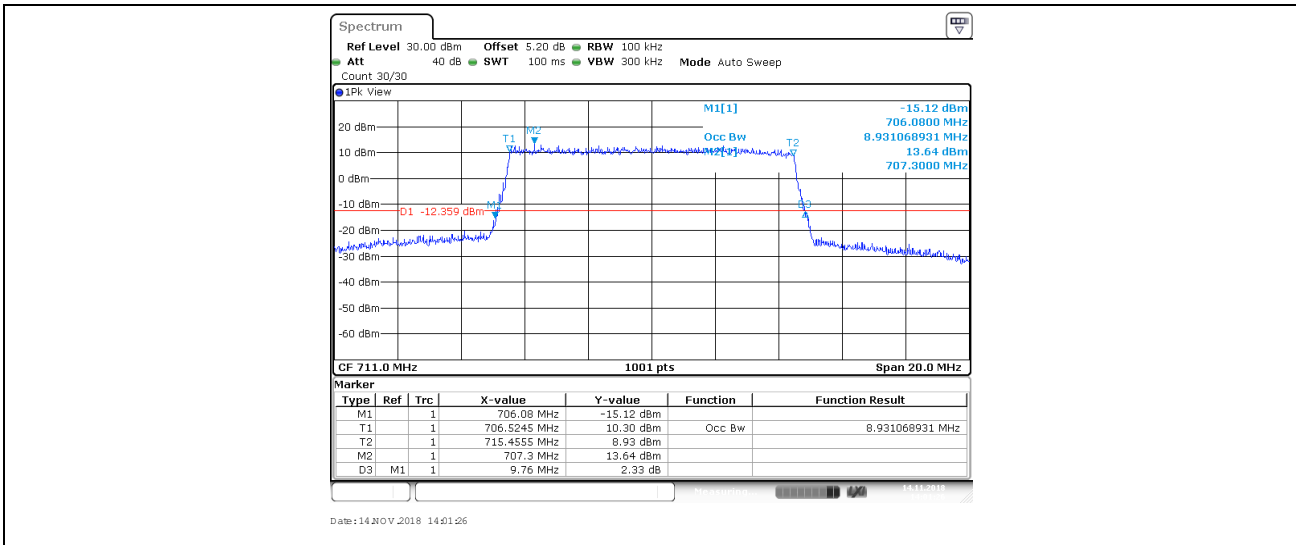
Date: 14 NOV 2018 14:00:25

**Band12\_10MHz\_16QAM\_23095\_50RB#0**



Date: 14 NOV 2018 14:01:20

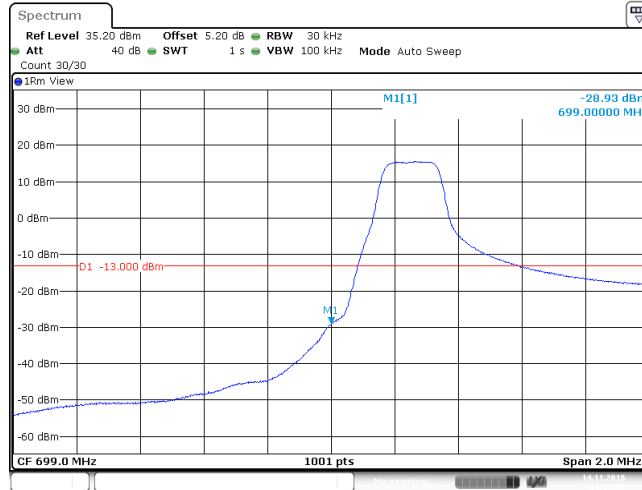
**Band12\_10MHz\_16QAM\_23130\_50RB#0**



## 5. Band Edge Compliance

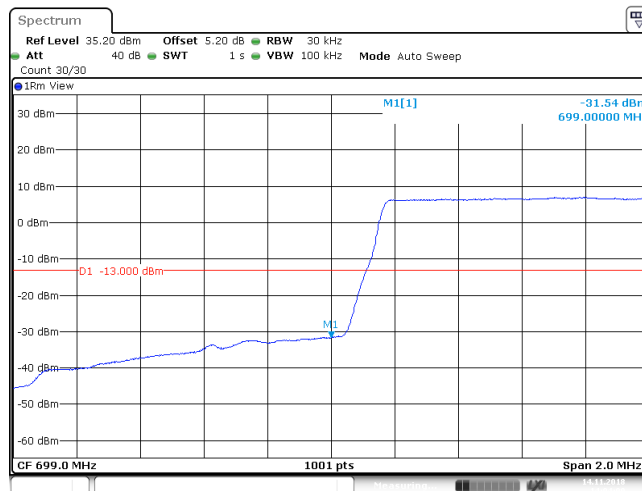
### 5.1. Test Plots

Band12\_1.4MHz\_QPSK\_23017\_1RB#0



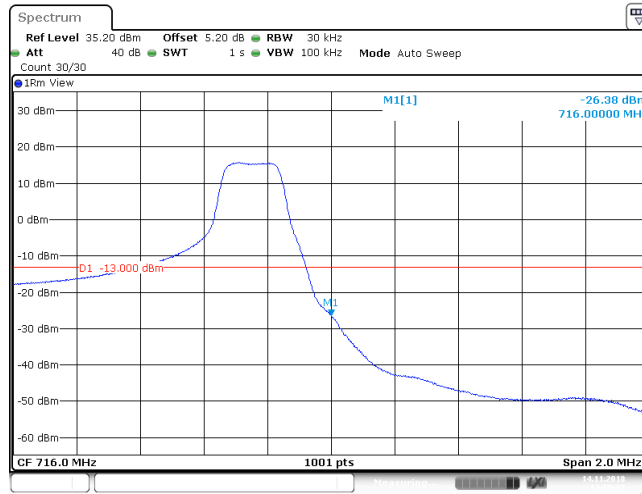
Date: 14 NOV 2018 14:02:33

Band12\_1.4MHz\_QPSK\_23017\_6RB#0

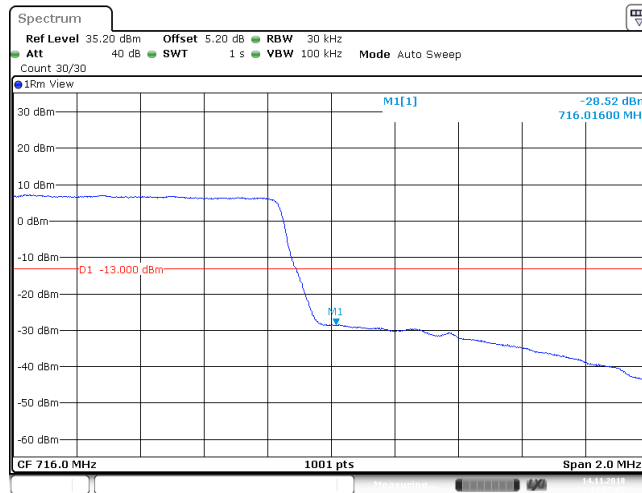


Date: 14 NOV 2018 14:04:01

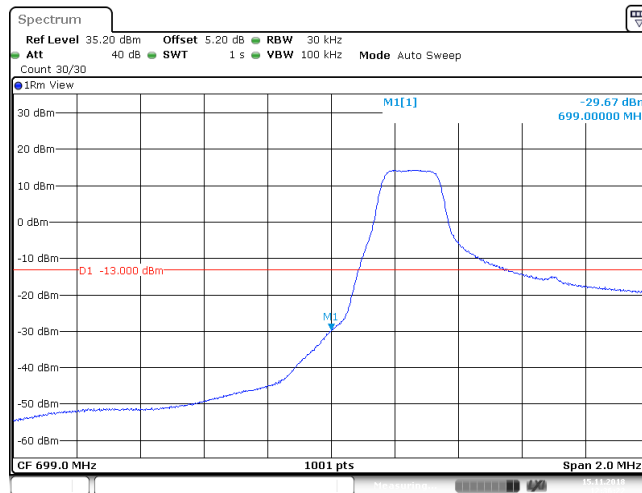
Band12\_1.4MHz\_QPSK\_23173\_1RB#5



**Band12\_1.4MHz\_QPSK\_23173\_6RB#0**

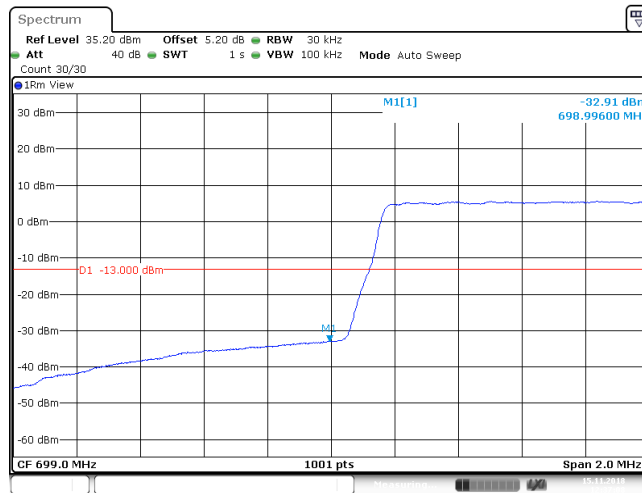


**Band12\_1.4MHz\_64QAM\_23017\_1RB#0**



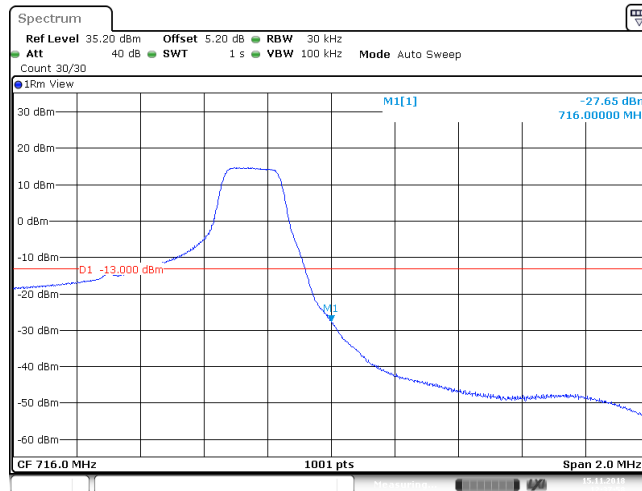
**Band12\_1.4MHz\_64QAM\_23017\_6RB#0**





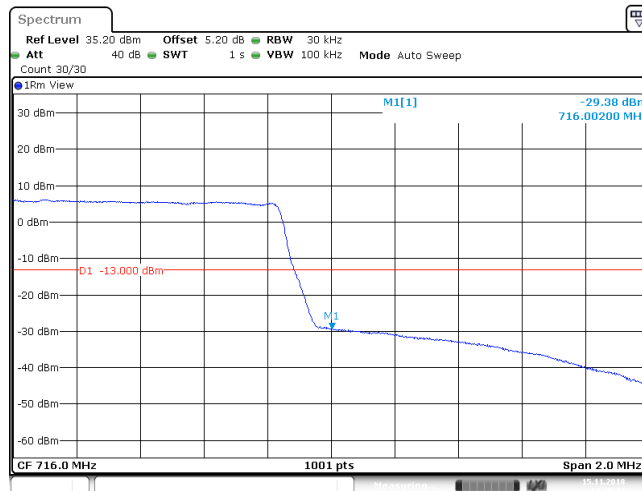
Date: 15 NOV 2018 12:37:28

**Band12\_1.4MHz\_64QAM\_23173\_1RB#5**



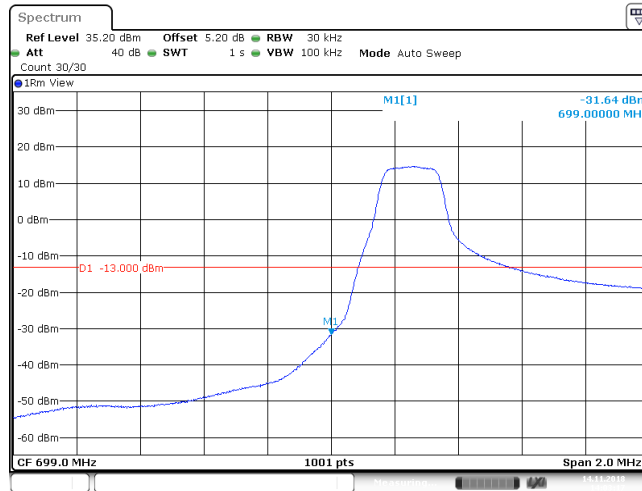
Date: 15 NOV 2018 12:37:58

**Band12\_1.4MHz\_64QAM\_23173\_6RB#0**



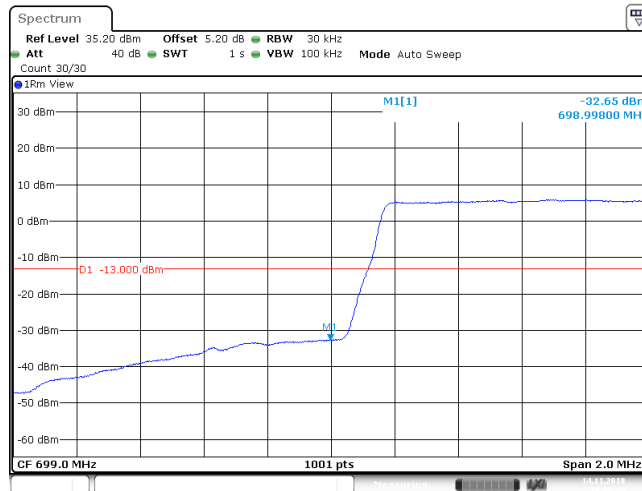
Date: 15 NOV 2018 12:38:44

**Band12\_1.4MHz\_16QAM\_23017\_1RB#0**



Date: 14 NOV 2018 14:03:17

**Band12\_1.4MHz\_16QAM\_23017\_6RB#0**



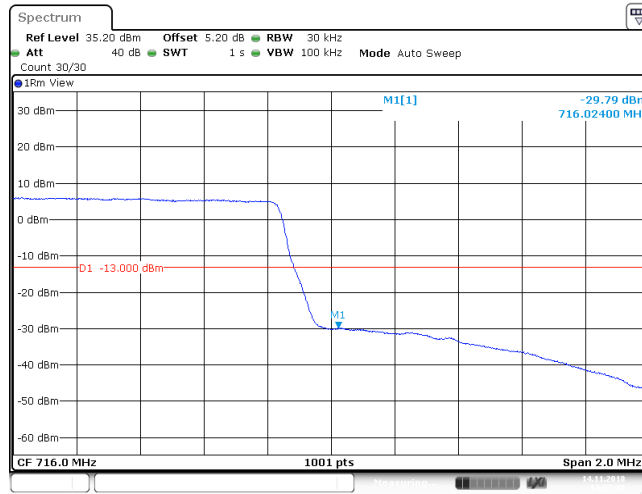
Date: 14 NOV 2018 14:04:44

**Band12\_1.4MHz\_16QAM\_23173\_1RB#5**



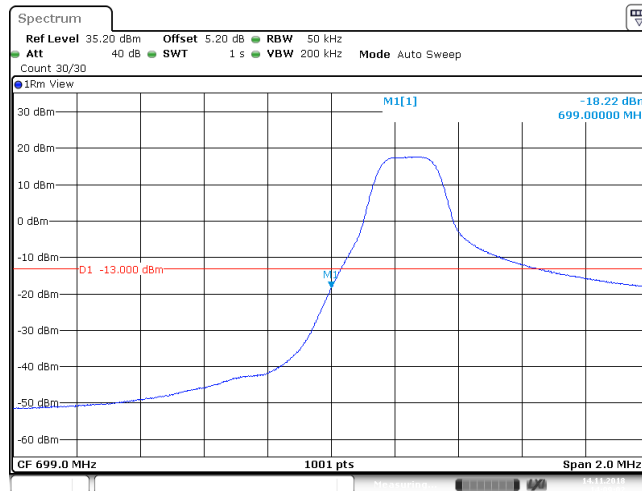
Date: 14 NOV 2018 14:06:22

**Band12\_1.4MHz\_16QAM\_23173\_6RB#0**



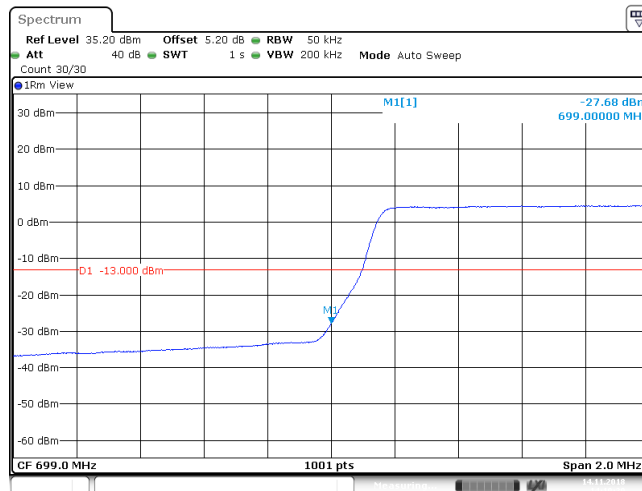
Date: 14.NOV.2018 14:07:49

**Band12\_3MHz\_QPSK\_23025\_1RB#0**



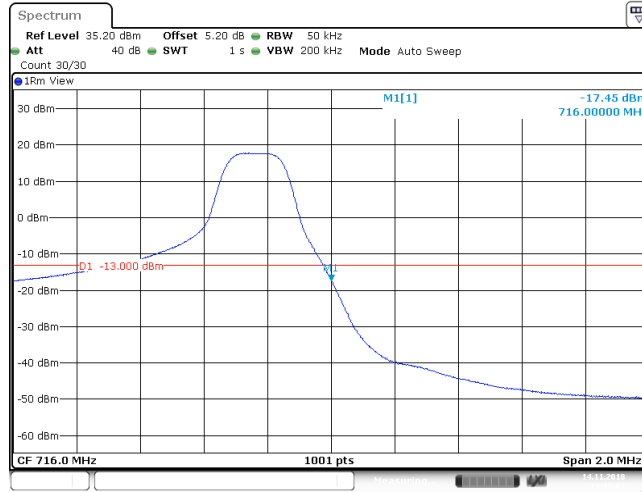
Date: 14.NOV.2018 14:09:03

**Band12\_3MHz\_QPSK\_23025\_15RB#0**



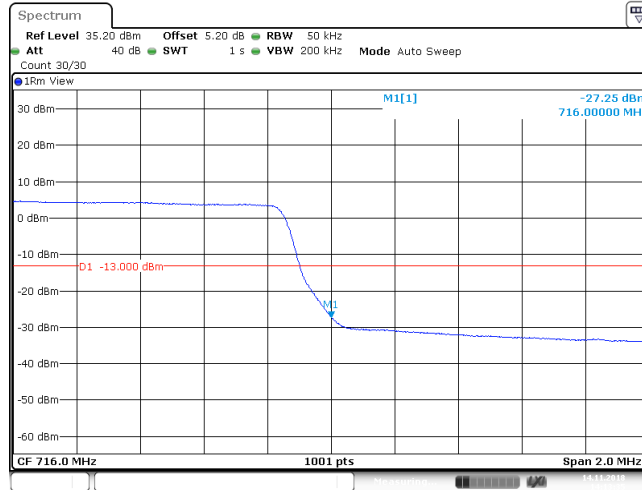
Date: 14.NOV.2018 14:00:30

**Band12\_3MHz\_QPSK\_23165\_1RB#14**



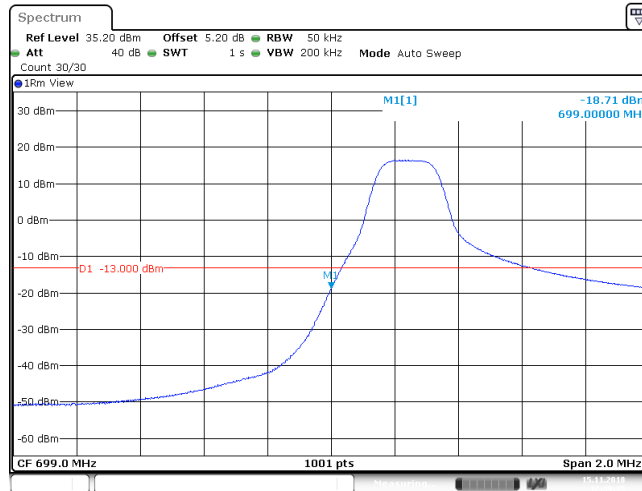
Date: 14 NOV 2018 14:12:07

**Band12\_3MHz\_QPSK\_23165\_15RB#0**



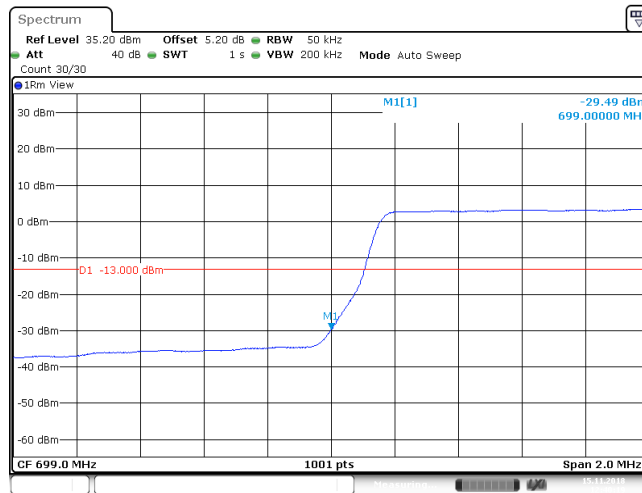
Date: 14 NOV 2018 14:13:05

**Band12\_3MHz\_64QAM\_23025\_1RB#0**



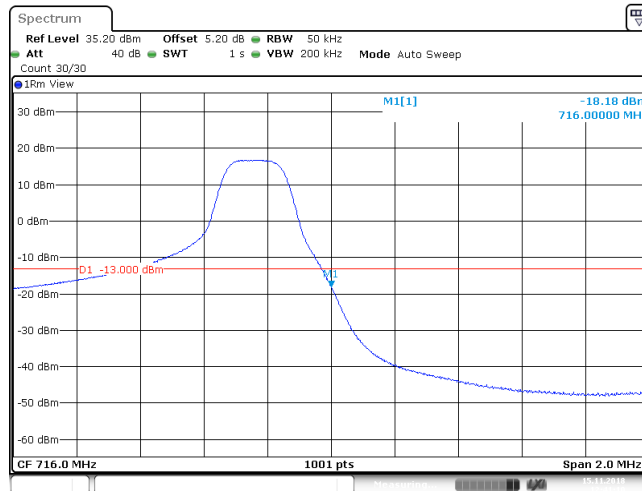
Date: 15 NOV 2018 12:39:34

**Band12\_3MHz\_64QAM\_23025\_15RB#0**



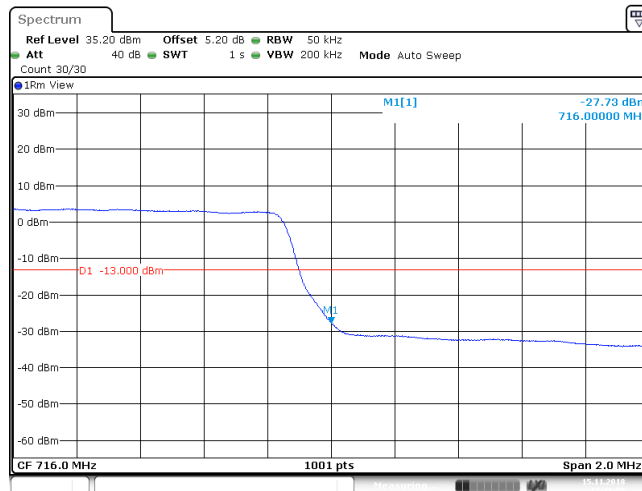
Date: 15 NOV 2018 12:40:20

**Band12\_3MHz\_64QAM\_23165\_1RB#14**



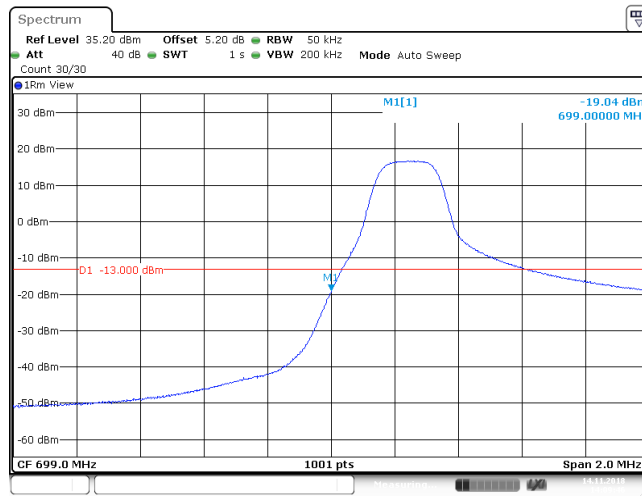
Date: 15 NOV 2018 12:41:10

**Band12\_3MHz\_64QAM\_23165\_15RB#0**



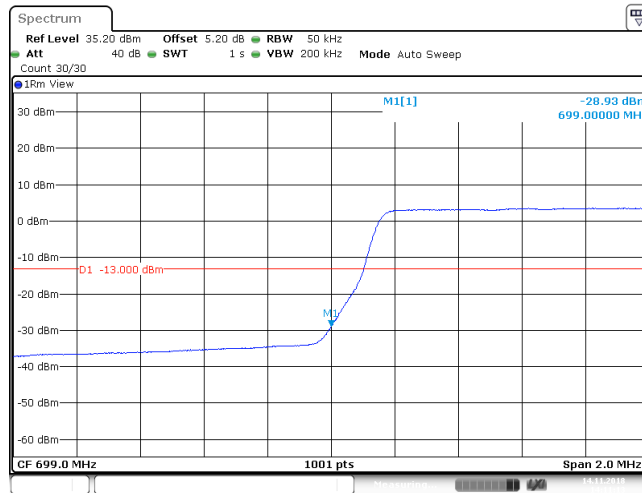
Date: 15 NOV 2018 12:41:56

**Band12\_3MHz\_16QAM\_23025\_1RB#0**



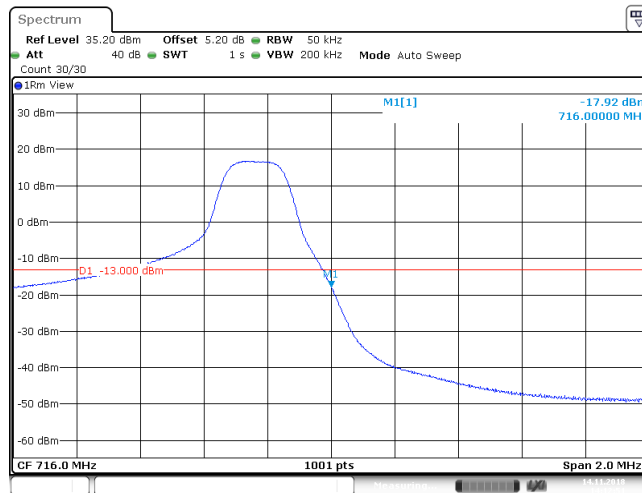
Date: 14.NOV.2018 14:09:46

**Band12\_3MHz\_16QAM\_23025\_15RB#0**



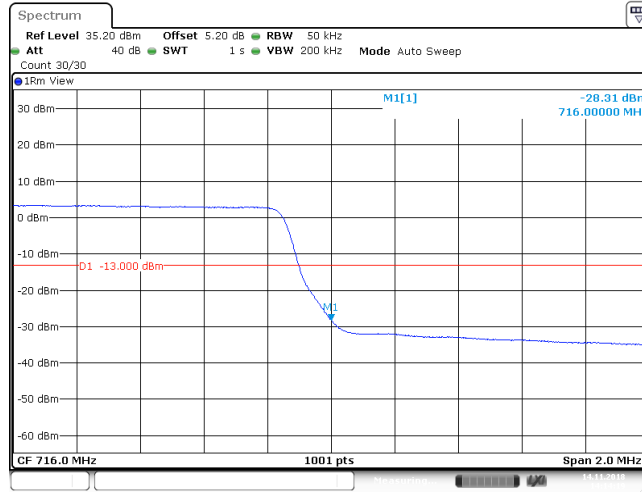
Date: 14.NOV.2018 14:41:44

**Band12\_3MHz\_16QAM\_23165\_1RB#14**



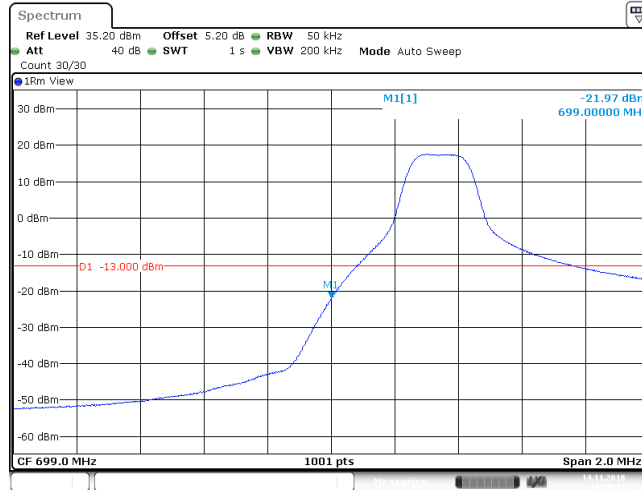
Date: 14.NOV.2018 14:42:52

**Band12\_3MHz\_16QAM\_23165\_15RB#0**



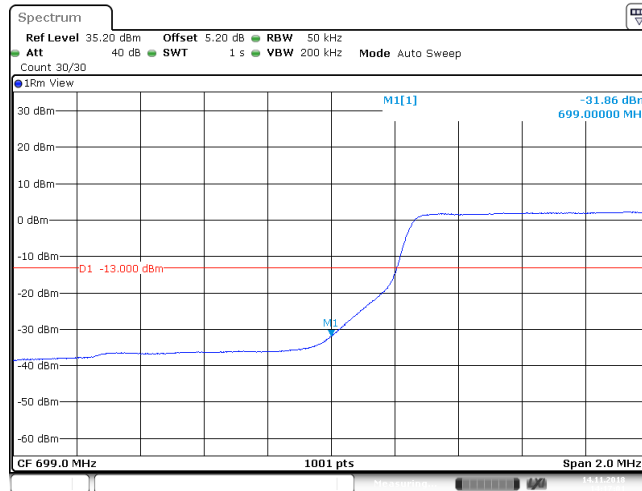
Date: 14 NOV 2018 14:44:19

**Band12\_5MHz\_QPSK\_23035\_1RB#0**



Date: 14 NOV 2018 14:45:04

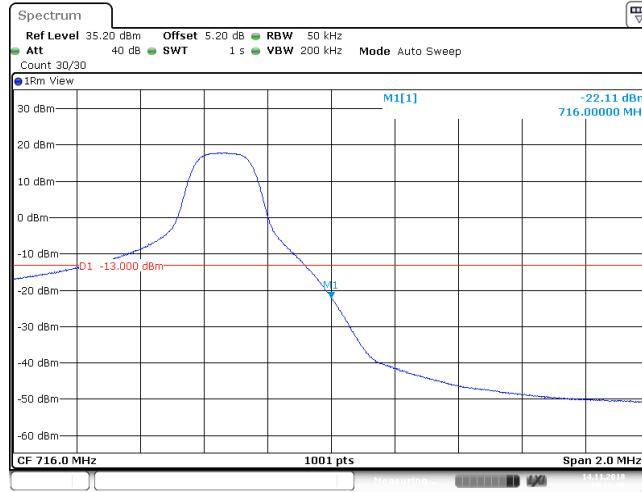
**Band12\_5MHz\_QPSK\_23035\_25RB#0**



Date: 14 NOV 2018 14:47:02

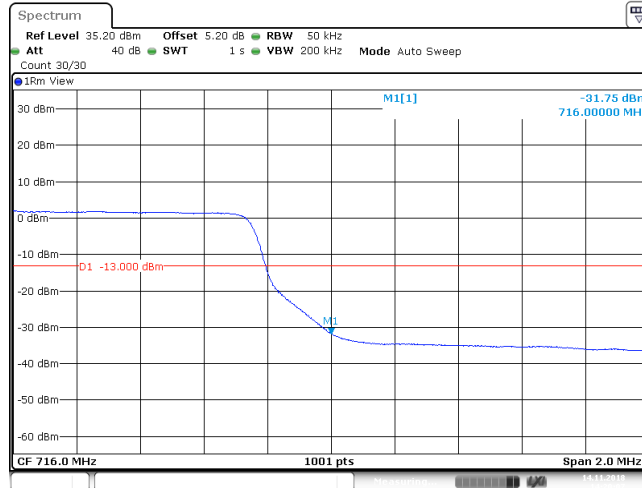
**Band12\_5MHz\_QPSK\_23155\_1RB#24**





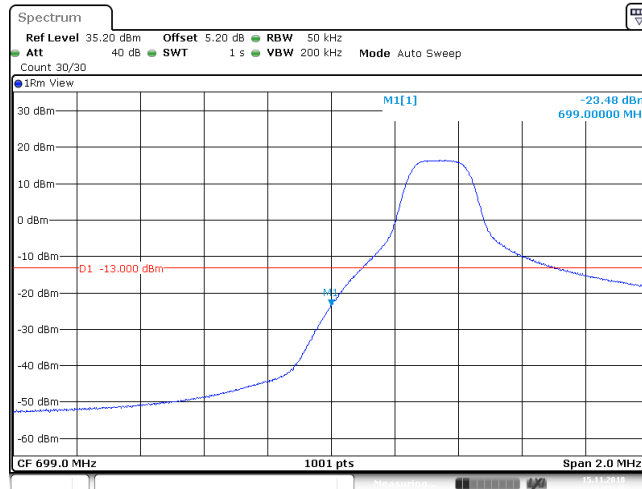
Date: 14 NOV 2018 14:18:39

**Band12\_5MHz\_QPSK\_23155\_25RB#0**



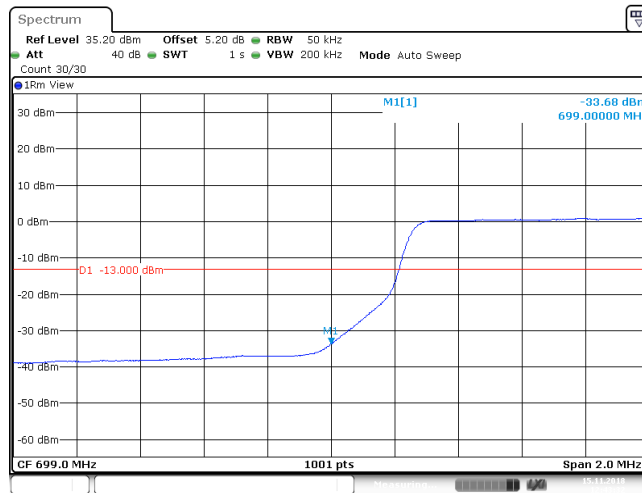
Date: 14 NOV 2018 14:20:08

**Band12\_5MHz\_64QAM\_23035\_1RB#0**



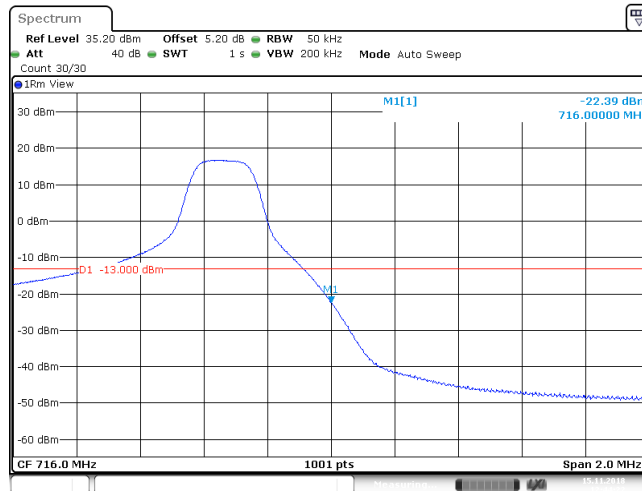
Date: 15 NOV 2018 12:42:46

**Band12\_5MHz\_64QAM\_23035\_25RB#0**



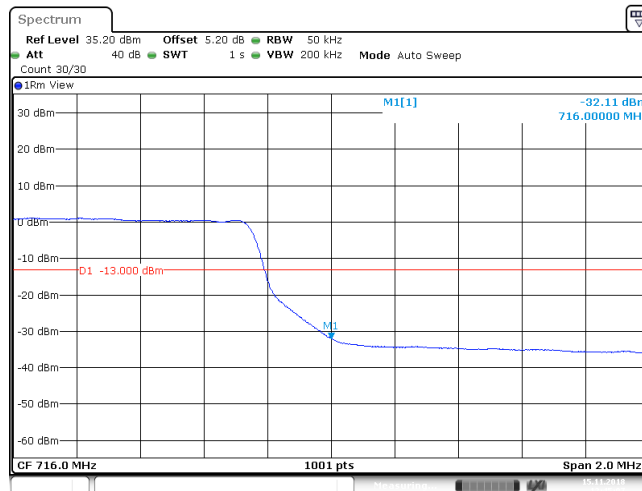
Date: 15 NOV 2018 12:43:32

**Band12\_5MHz\_64QAM\_23155\_1RB#24**



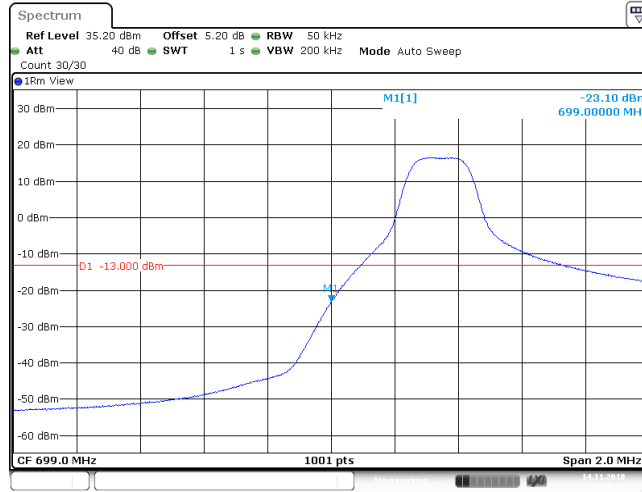
Date: 15 NOV 2018 12:44:22

**Band12\_5MHz\_64QAM\_23155\_25RB#0**



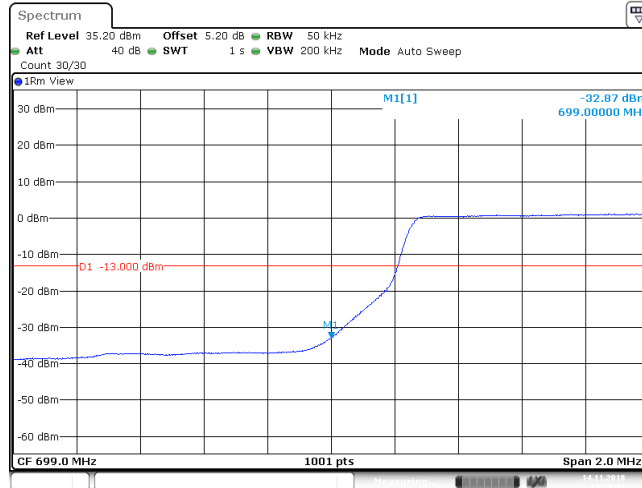
Date: 15 NOV 2018 12:45:08

**Band12\_5MHz\_16QAM\_23035\_1RB#0**



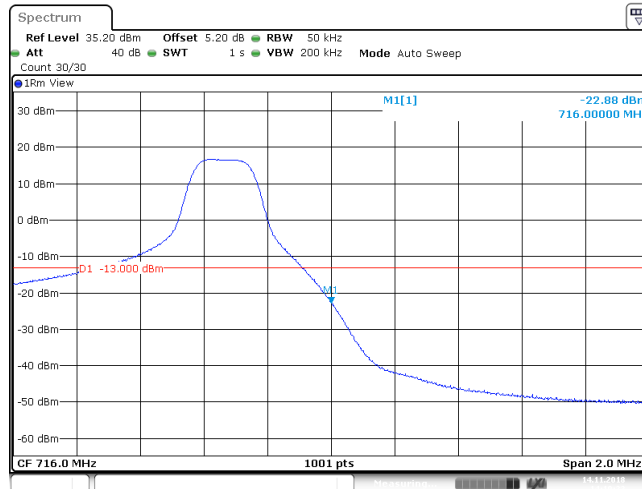
Date: 14.NOV.2018 14:16:18

**Band12\_5MHz\_16QAM\_23035\_25RB#0**



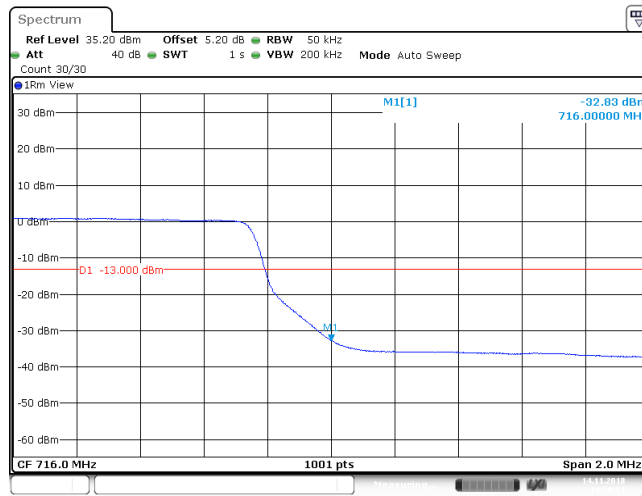
Date: 14.NOV.2018 14:17:46

**Band12\_5MHz\_16QAM\_23155\_1RB#24**



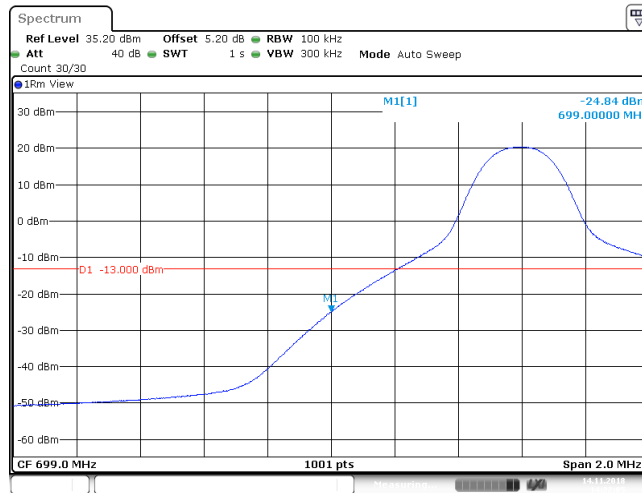
Date: 14.NOV.2018 14:19:24

**Band12\_5MHz\_16QAM\_23155\_25RB#0**



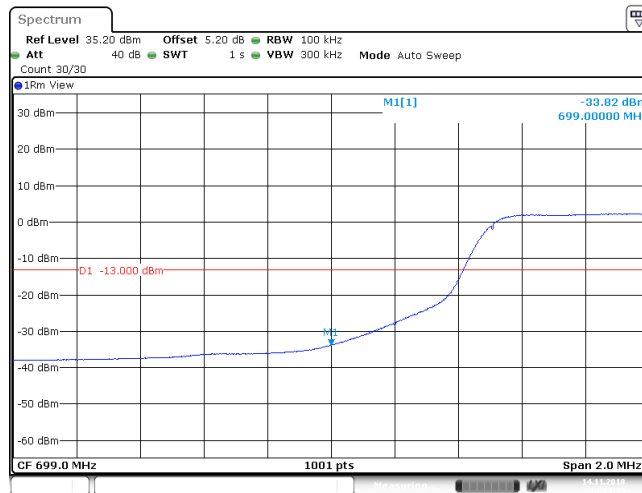
Date: 14 NOV 2018 14:20:51

**Band12\_10MHz\_QPSK\_23060\_1RB#0**



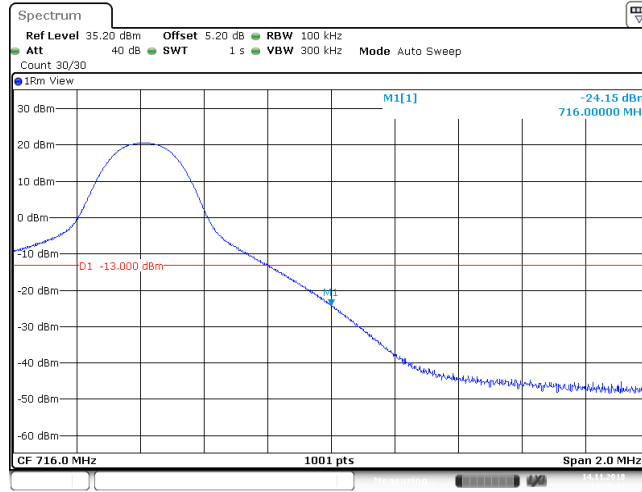
Date: 14 NOV 2018 14:22:06

**Band12\_10MHz\_QPSK\_23060\_50RB#0**



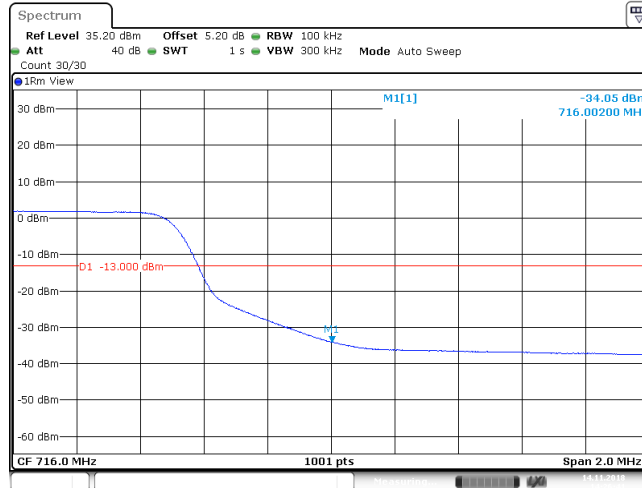
Date: 14 NOV 2018 14:23:34

**Band12\_10MHz\_QPSK\_23130\_1RB#49**



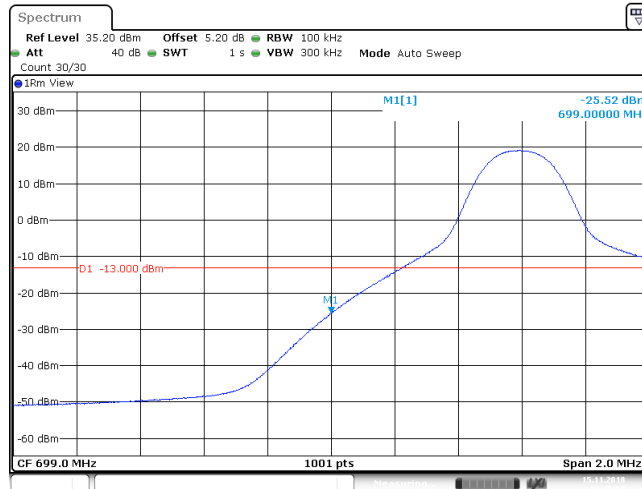
Date: 14 NOV 2018 14:25:12

**Band12\_10MHz\_QPSK\_23130\_50RB#0**



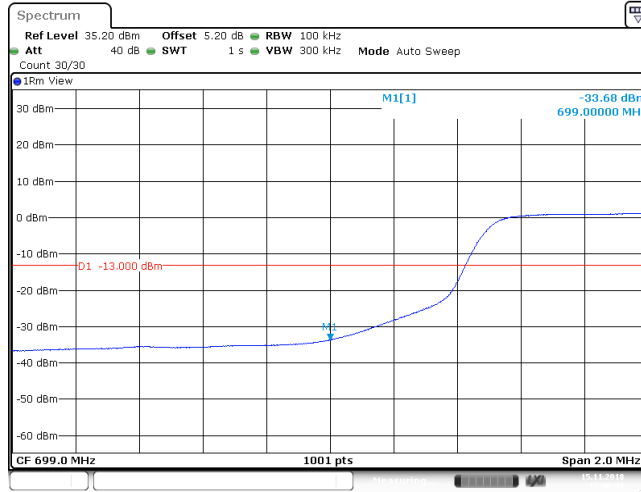
Date: 14 NOV 2018 14:26:41

**Band12\_10MHz\_64QAM\_23060\_1RB#0**



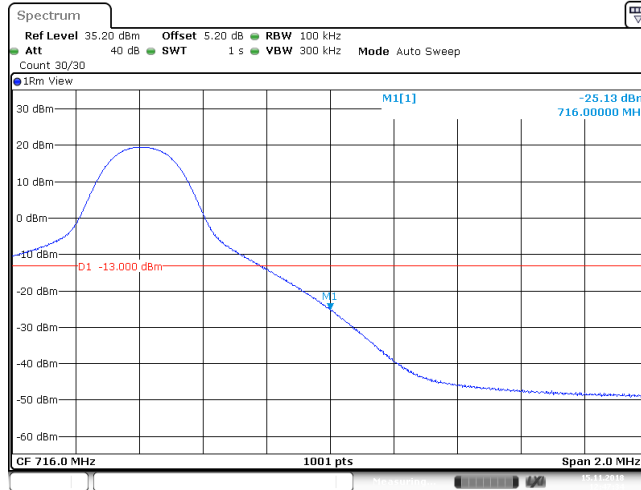
Date: 15 NOV 2018 12:45:58

**Band12\_10MHz\_64QAM\_23060\_50RB#0**



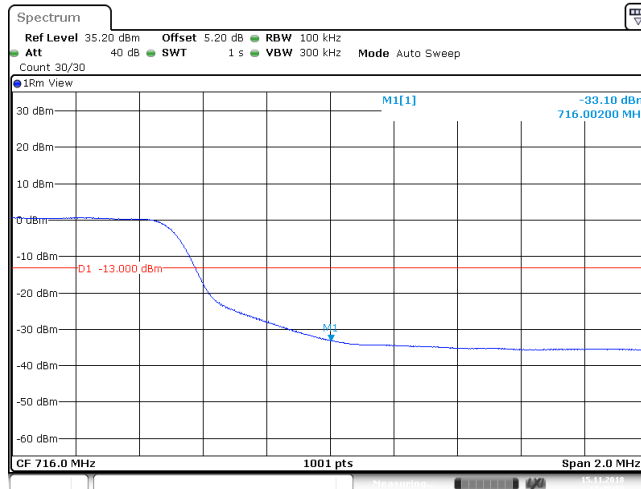
Date: 15 NOV 2018 12:46:44

**Band12\_10MHz\_64QAM\_23130\_1RB#49**



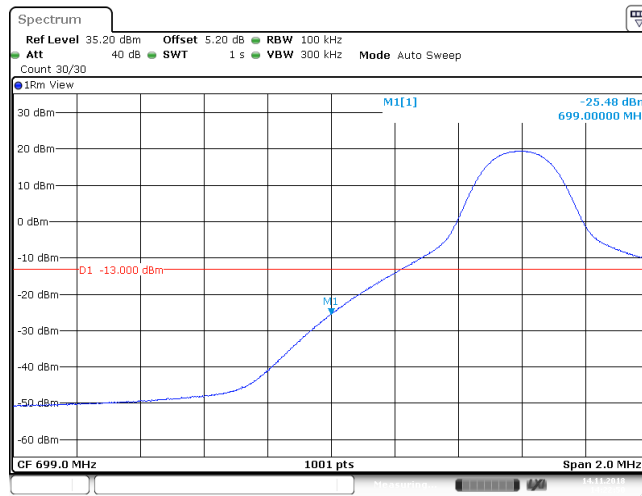
Date: 15 NOV 2018 12:47:34

**Band12\_10MHz\_64QAM\_23130\_50RB#0**



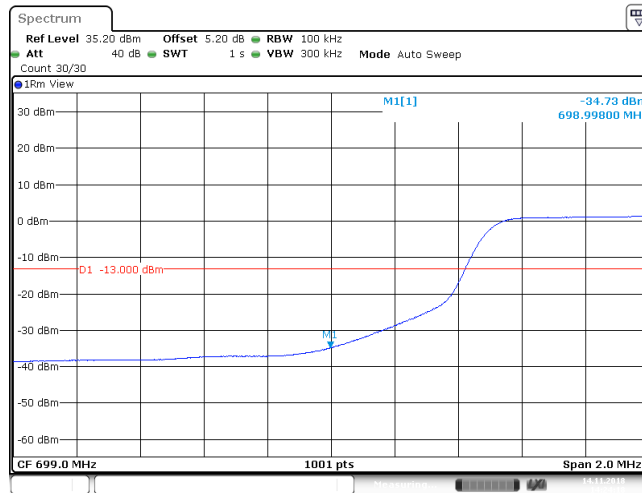
Date: 15 NOV 2018 12:48:20

**Band12\_10MHz\_16QAM\_23060\_1RB#0**



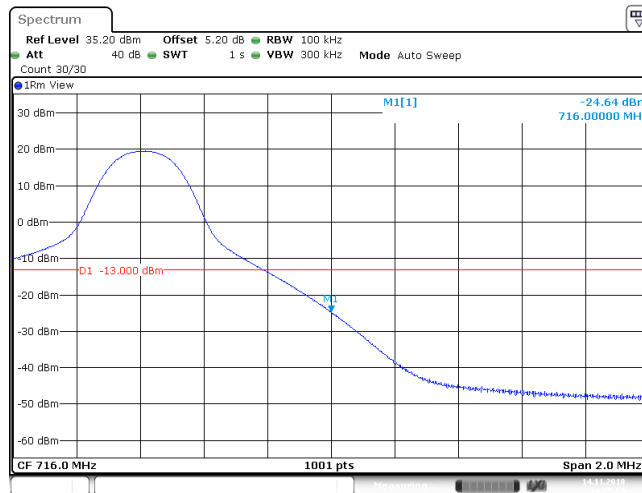
Date: 14 NOV 2018 14:22:50

**Band12\_10MHz\_16QAM\_23060\_50RB#0**



Date: 14 NOV 2018 14:24:18

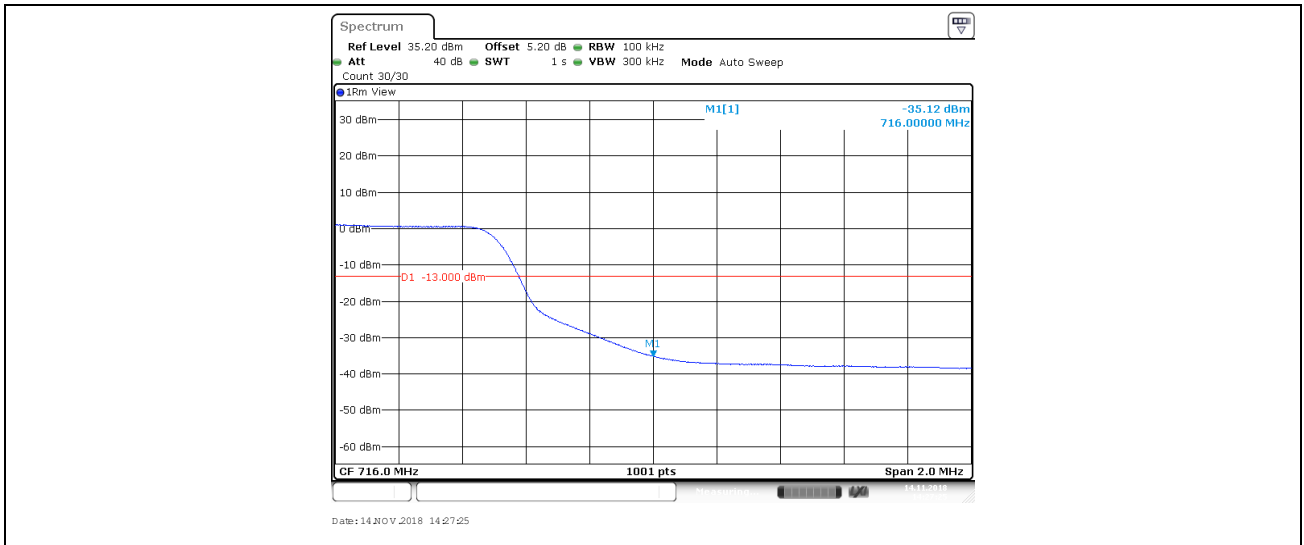
**Band12\_10MHz\_16QAM\_23130\_1RB#49**



Date: 14 NOV 2018 14:25:56

**Band12\_10MHz\_16QAM\_23130\_50RB#0**



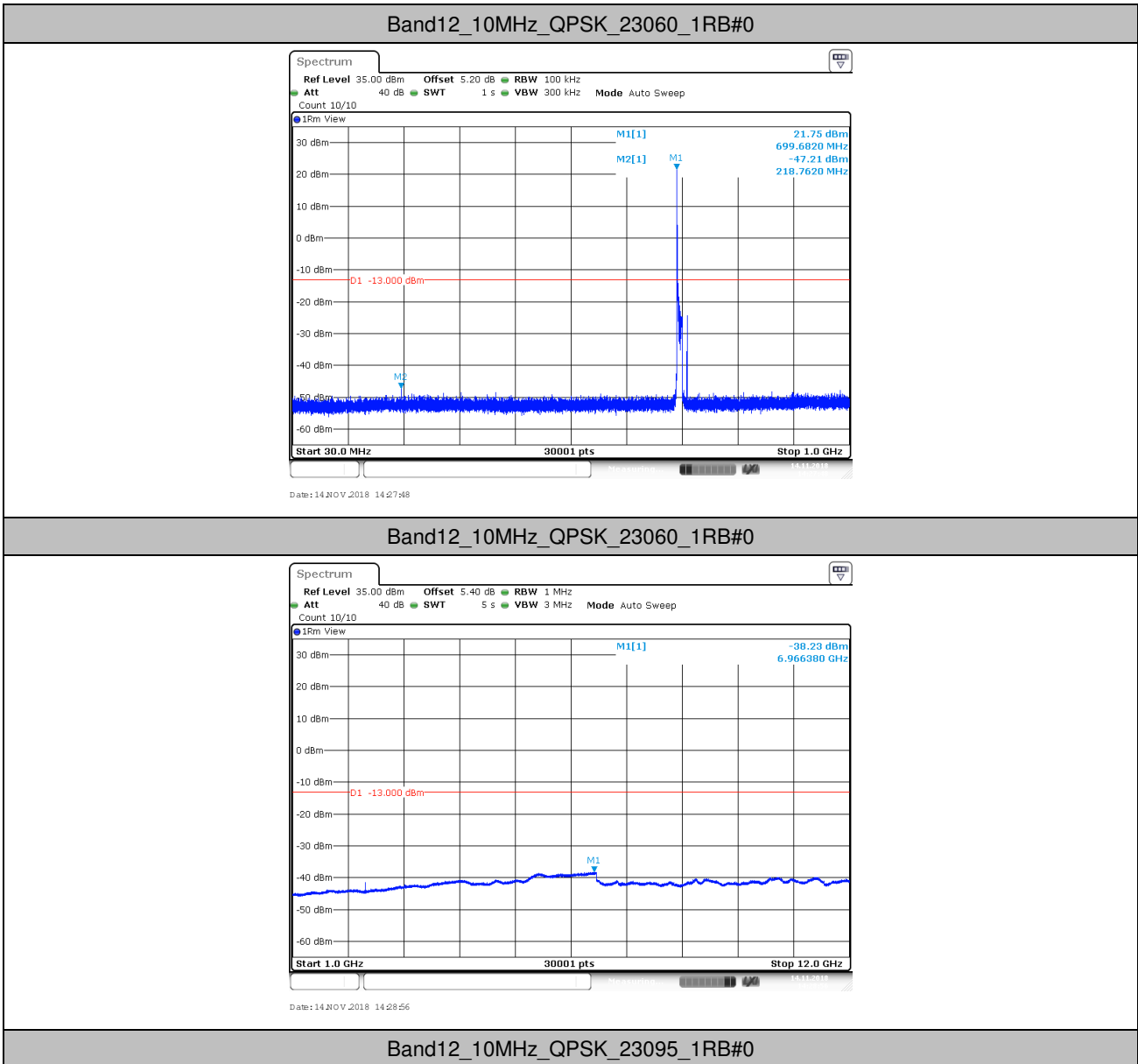


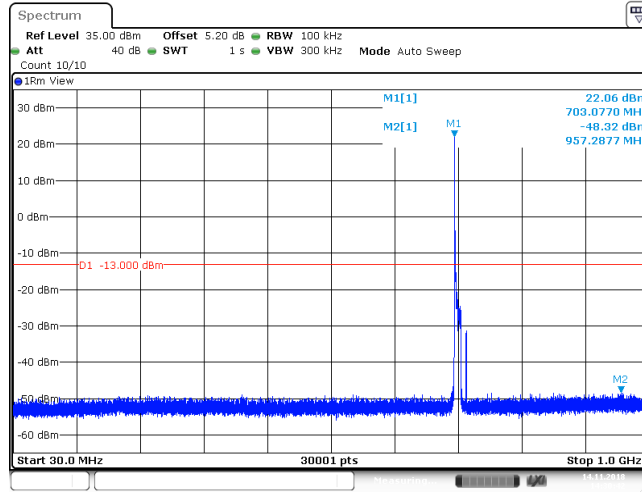
## 6. Spurious Emission at Antenna Terminal

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

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

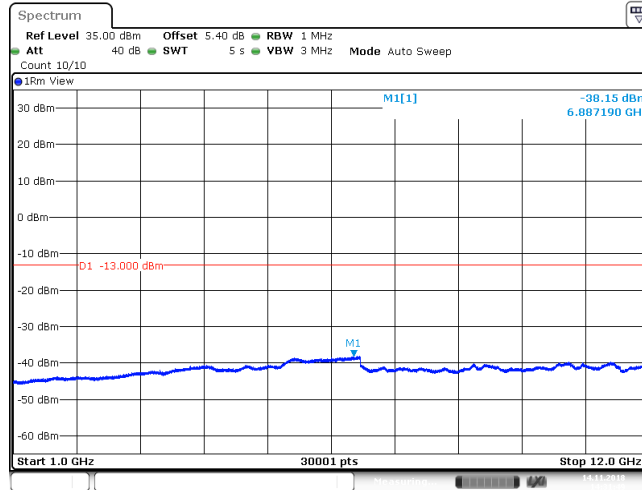
### 6.1. Test Plots





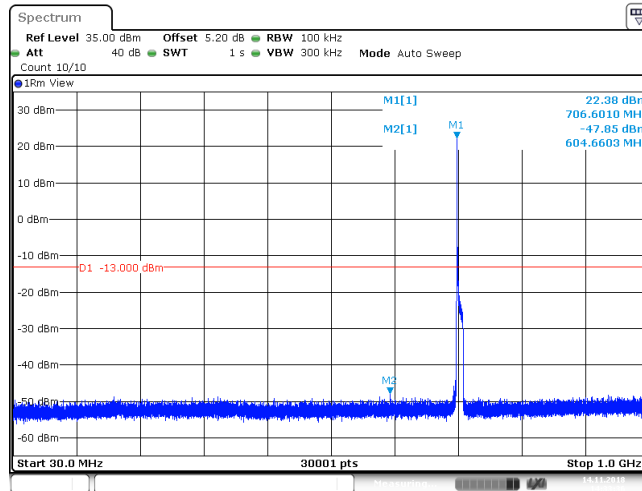
Date: 14.NOV.2018 14:50:42

**Band12\_10MHz\_QPSK\_23095\_1RB#0**



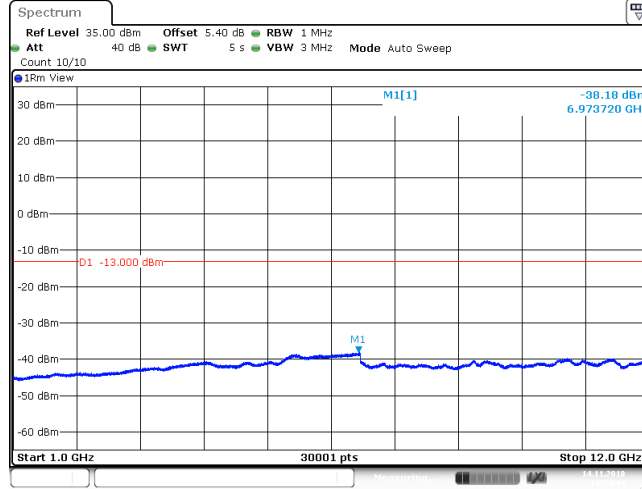
Date: 14.NOV.2018 14:51:50

**Band12\_10MHz\_QPSK\_23130\_1RB#0**



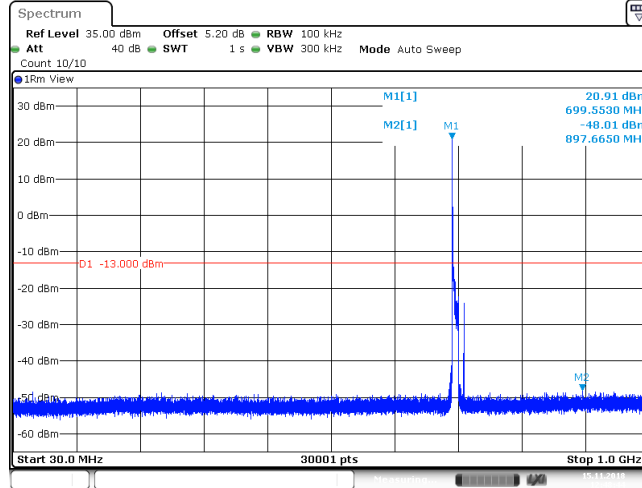
Date: 14.NOV.2018 14:53:36

**Band12\_10MHz\_QPSK\_23130\_1RB#0**



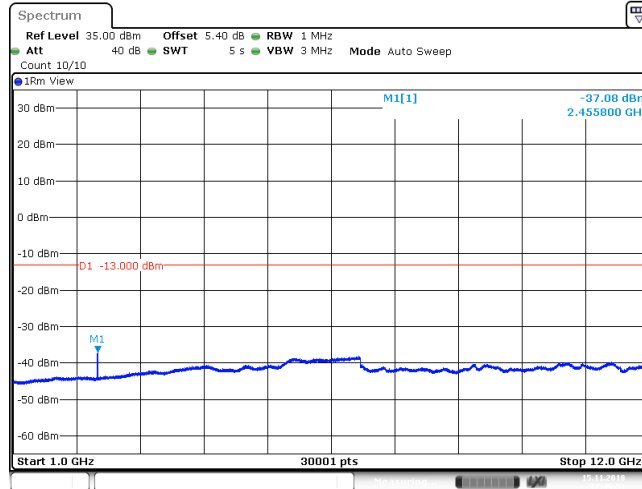
Date: 14 NOV 2018 14:54:44

**Band12\_10MHz\_64QAM\_23060\_1RB#0**



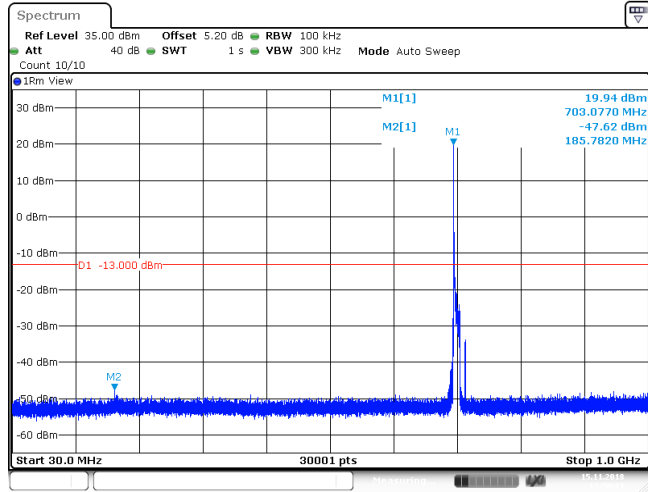
Date: 15 NOV 2018 12:48:44

**Band12\_10MHz\_64QAM\_23060\_1RB#0**



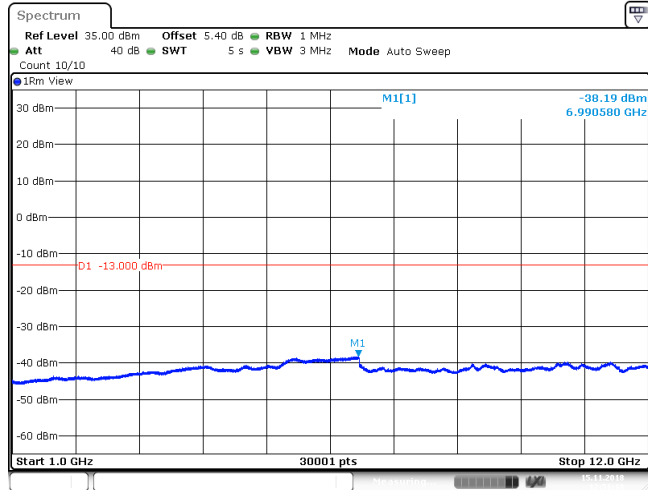
Date: 15 NOV 2018 12:49:52

**Band12\_10MHz\_64QAM\_23095\_1RB#0**



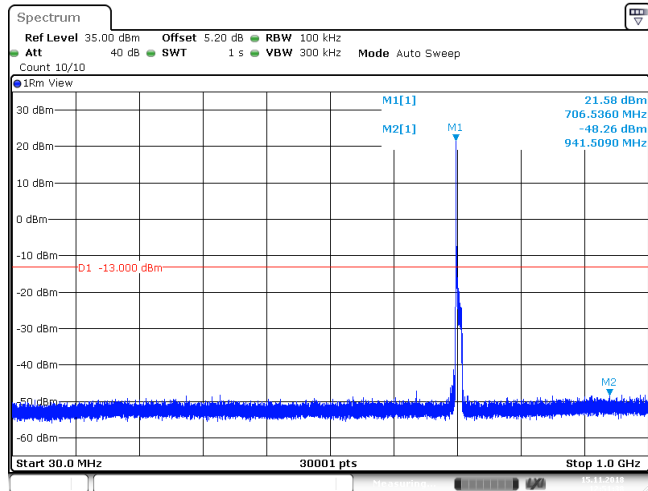
Date: 15 NOV 2018 12:50:11

**Band12\_10MHz\_64QAM\_23095\_1RB#0**



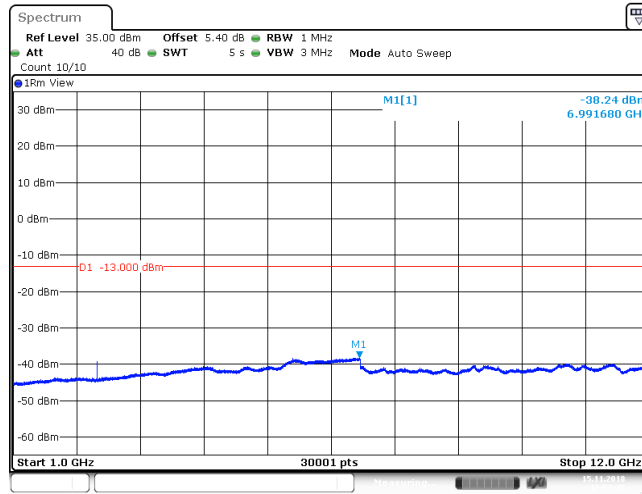
Date: 15 NOV 2018 12:51:19

**Band12\_10MHz\_64QAM\_23130\_1RB#0**



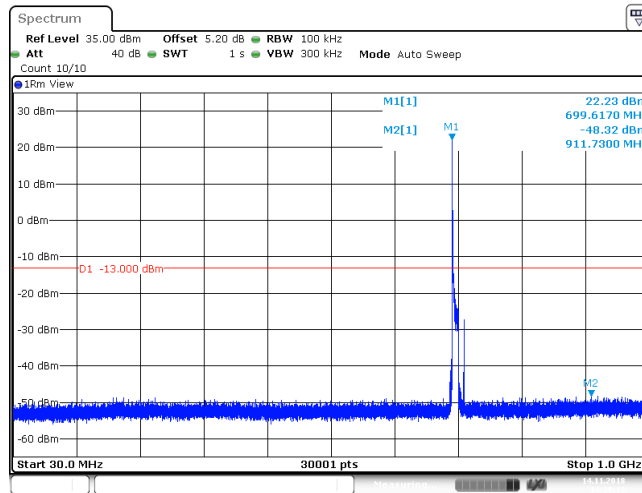
Date: 15 NOV 2018 12:51:38

**Band12\_10MHz\_64QAM\_23130\_1RB#0**



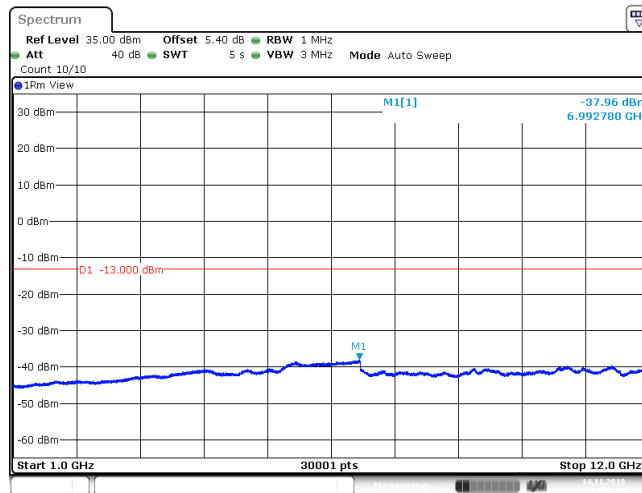
Date: 15 NOV 2018 12:52:46

**Band12\_10MHz\_16QAM\_23060\_1RB#0**



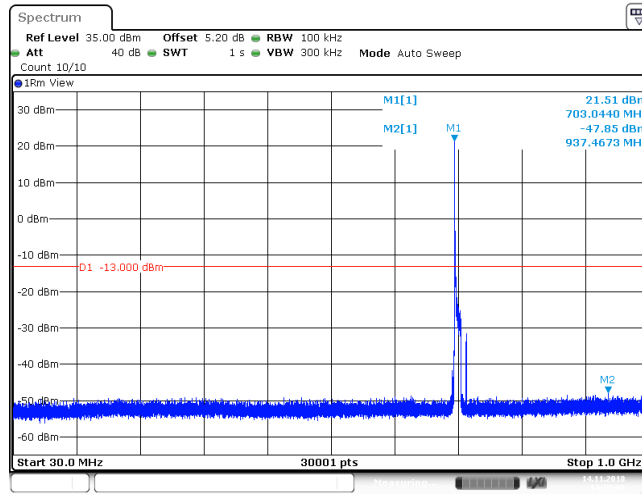
Date: 14 NOV 2018 14:29:13

**Band12\_10MHz\_16QAM\_23060\_1RB#0**



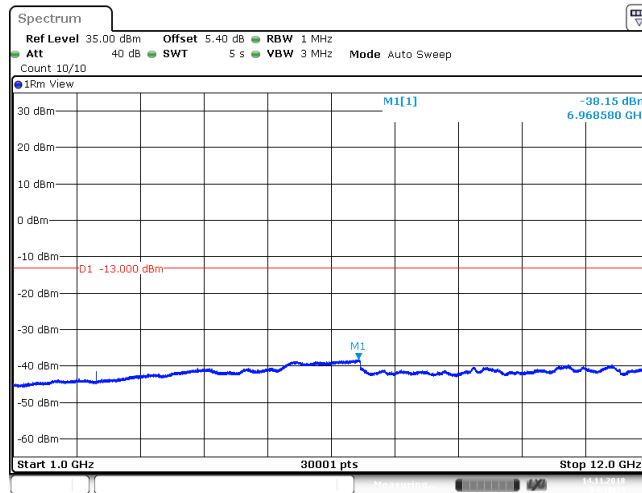
Date: 14 NOV 2018 14:30:21

**Band12\_10MHz\_16QAM\_23095\_1RB#0**



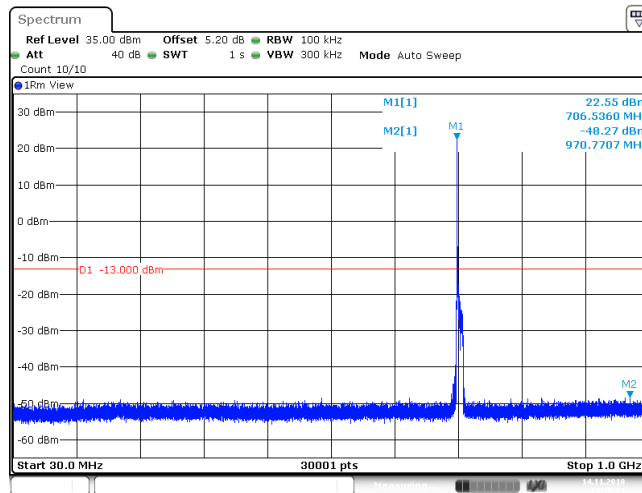
Date: 14.NOV.2018 14:52:07

**Band12\_10MHz\_16QAM\_23095\_1RB#0**



Date: 14.NOV.2018 14:53:15

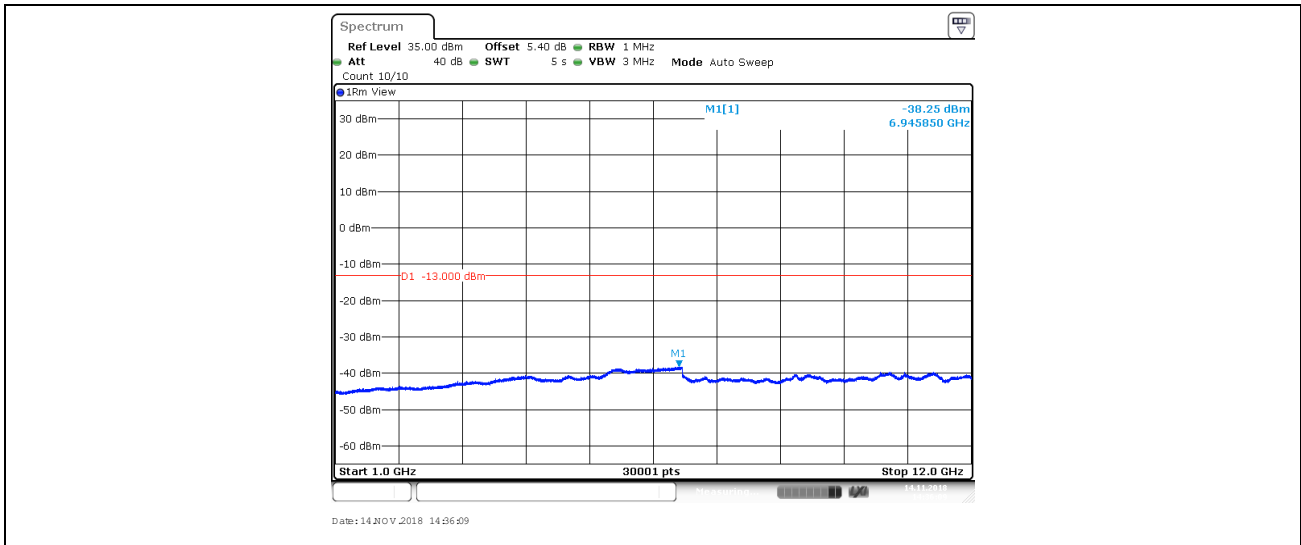
**Band12\_10MHz\_16QAM\_23130\_1RB#0**



Date: 14.NOV.2018 14:55:01

**Band12\_10MHz\_16QAM\_23130\_1RB#0**





## 7. Field Strength of Spurious Radiation

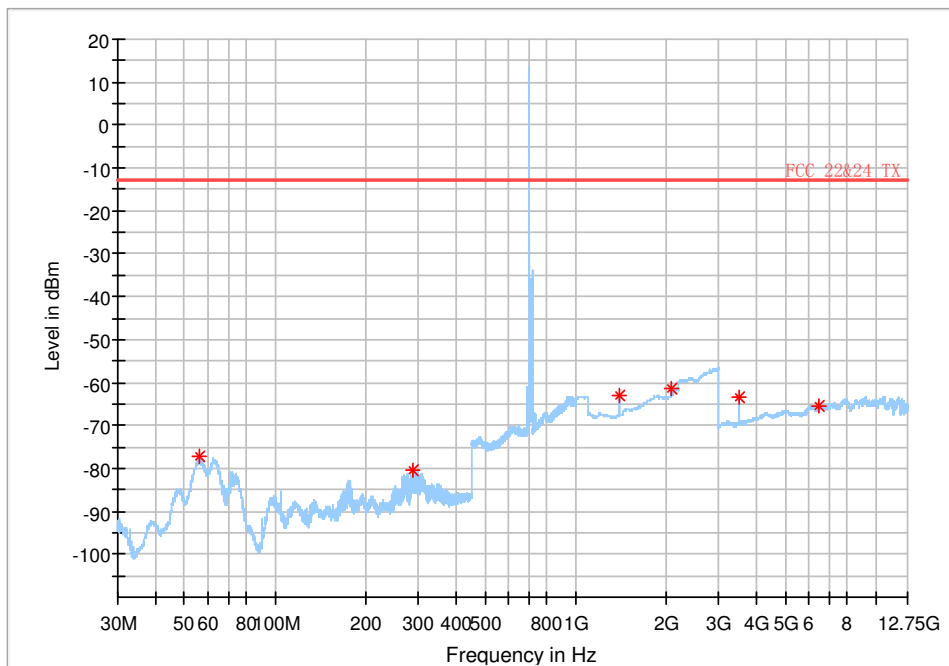
### 7.1. Test BAND = LTE BAND 12

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

##### 7.1.1.1. Test Channel = LCH

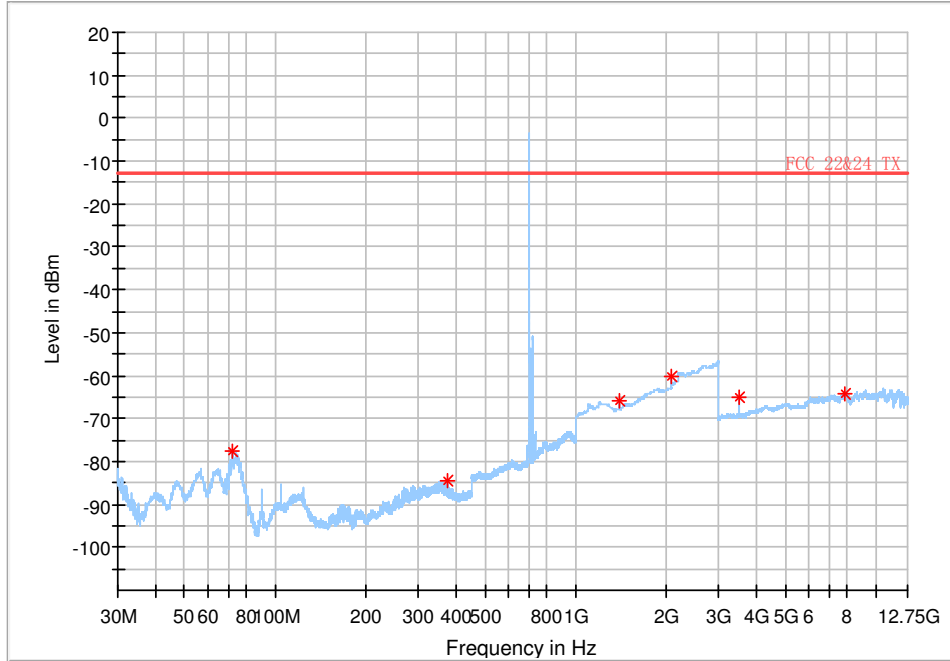
##### 7.1.1.1.1. Polarity = Horizontal

Full Spectrum



**7.1.1.1.2. Polarity=Vertical**

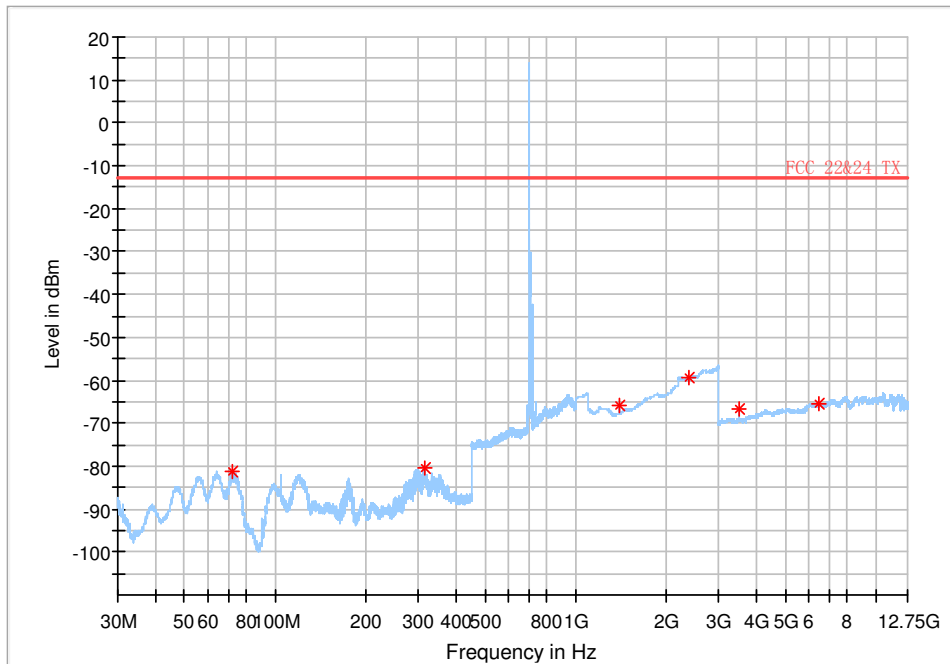
Full Spectrum



**7.1.1.2. Test Channel = MCH**

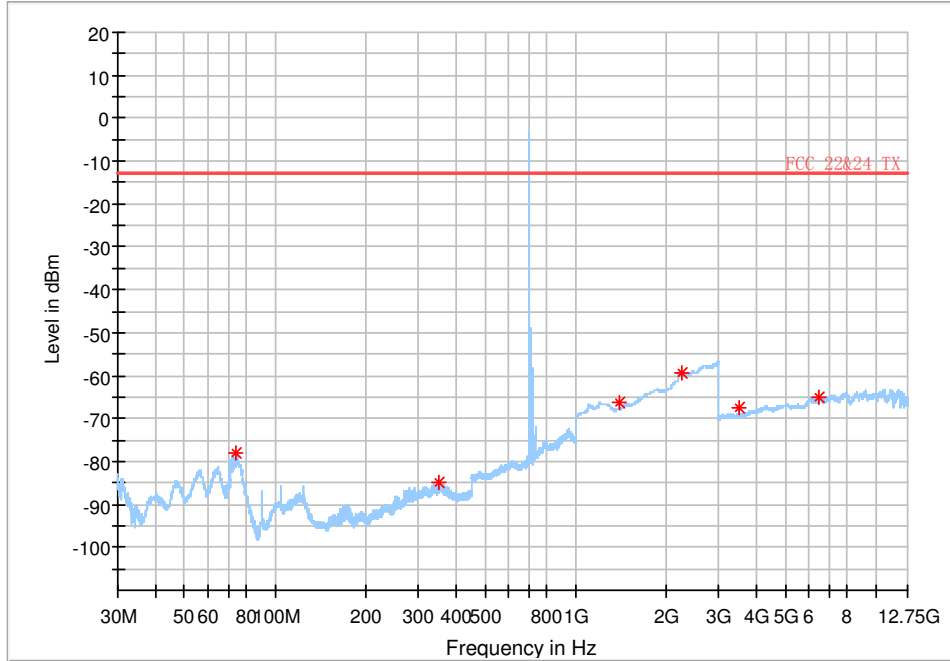
**7.1.1.2.1. Polarity=Horizontal**

Full Spectrum



**7.1.1.2.2. Polarity=Vertical**

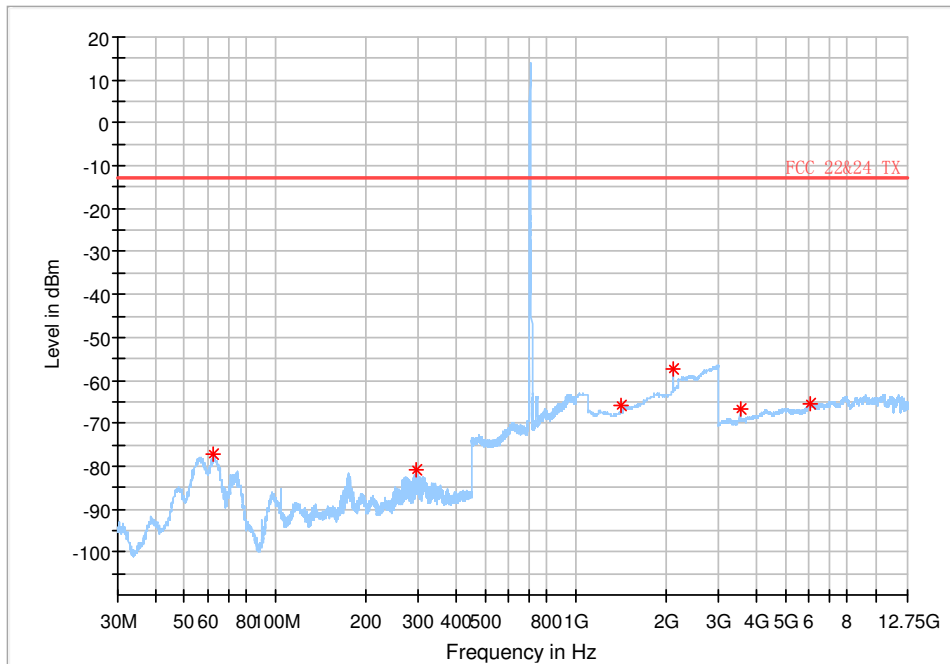
Full Spectrum



**7.1.1.3. Test Channel = HCH**

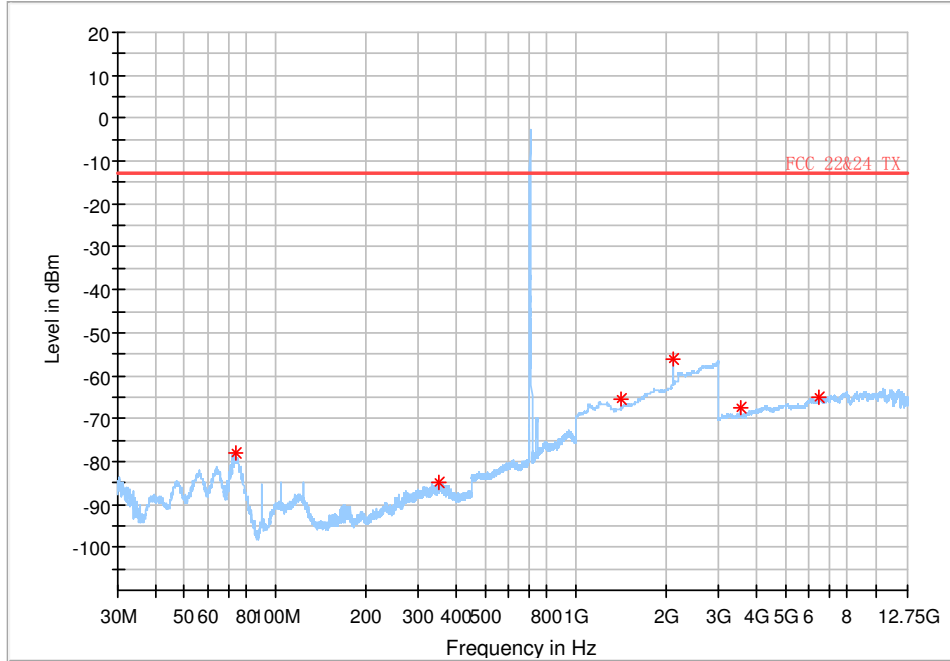
**7.1.1.3.1. Polarity=Horizontal**

Full Spectrum



**7.1.1.3.2. Polarity=Vertical**

Full Spectrum



**Remark:**

- 1) 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.
- 2) We have tested all modulation and all Bandwidth , but only the worst case data presented in this report.

## 8. Frequency Stability

### 8.1. Frequency Vs Voltage

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	3.06	0.004347	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VN	NT	2.66	0.003778	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VH	NT	3.56	0.005057	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VL	NT	2.32	0.003279	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VN	NT	-2.83	-0.004000	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VH	NT	-2.12	-0.002996	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VL	NT	-2.46	-0.003460	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VN	NT	-2.68	-0.003769	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VH	NT	-2.72	-0.003826	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	VL	NT	0.70	0.000994	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	VN	NT	0.60	0.000852	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	VH	NT	0.70	0.000994	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	VL	NT	0.40	0.000565	±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	-0.30	-0.000424	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	VL	NT	-0.70	-0.000985	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	VN	NT	-0.30	-0.000422	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	VH	NT	-0.10	-0.000141	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VL	NT	2.82	0.004006	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VN	NT	3.55	0.005043	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VH	NT	3.98	0.005653	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VL	NT	-2.00	-0.002827	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VN	NT	-2.80	-0.003958	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VH	NT	-2.20	-0.003110	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VL	NT	-2.52	-0.003544	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VN	NT	-2.52	-0.003544	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VH	NT	-2.79	-0.003924	±2.5	PASS

### 8.2. Frequency Vs Temperature

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	3.48	0.004943	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-20	2.92	0.004148	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	0	2.76	0.003920	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	10	2.40	0.003409	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	20	2.69	0.003821	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	30	4.28	0.006080	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	40	2.92	0.004148	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	50	3.03	0.004304	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-30	2.40	0.003392	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-20	2.37	0.003350	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	0	-2.65	-0.003746	±2.5	PASS



Band12	10MHz	QPSK	23095	50RB#0	NV	10	-2.56	-0.003618	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	20	-2.22	-0.003138	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	30	3.63	0.005131	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	40	2.33	0.003293	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	50	2.73	0.003859	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-30	-3.08	-0.004332	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-20	-2.50	-0.003516	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	0	-2.09	-0.002940	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	10	-3.81	-0.005359	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	20	-2.90	-0.004079	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	30	-2.83	-0.003980	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	40	-2.86	-0.004023	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	50	-2.56	-0.003601	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	-30	0.60	0.000852	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	-20	1.00	0.001420	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	0	1.20	0.001705	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	10	1.10	0.001563	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	20	0.70	0.000994	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	30	0.70	0.000994	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	40	1.10	0.001563	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	50	1.10	0.001563	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	-30	0.80	0.001131	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	-20	0.60	0.000848	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	0	0.10	0.000141	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	10	-0.10	-0.000141	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	20	0.50	0.000707	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	30	-0.10	-0.000141	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	40	0.60	0.000848	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	50	0.00	0.000000	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	-30	0.00	0.000000	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	-20	-0.20	-0.000281	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	0	-0.20	-0.000281	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	10	-1.00	-0.001406	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	20	0.20	0.000281	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	30	-0.70	-0.000985	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	40	-0.20	-0.000281	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	50	-0.20	-0.000281	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-30	3.26	0.004631	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-20	3.26	0.004631	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	0	4.01	0.005696	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	10	3.00	0.004261	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	20	3.48	0.004943	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	30	3.05	0.004332	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	40	2.93	0.004162	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	50	3.30	0.004688	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-30	-3.18	-0.004495	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-20	2.70	0.003816	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	0	2.57	0.003633	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	10	-3.30	-0.004664	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	20	-2.33	-0.003293	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	30	2.46	0.003477	±2.5	PASS



Band12	10MHz	16QAM	23095	50RB#0	NV	40	2.12	0.002996	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	50	-2.82	-0.003986	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	-30	2.69	0.003783	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	-20	-3.40	-0.004782	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	0	-2.78	-0.003910	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	10	-2.53	-0.003558	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	20	3.38	0.004754	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	30	-2.79	-0.003924	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	40	-2.52	-0.003544	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	50	-2.75	-0.003868	±2.5	PASS

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The End