



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
BAND 12	1.4MHz	QPSK	23017	1RB#0	23.41	24.26	34.77	PASS
BAND 12	1.4MHz	QPSK	23017	1RB#2	23.37	24.22	34.77	PASS
BAND 12	1.4MHz	QPSK	23017	1RB#5	23.31	24.16	34.77	PASS
BAND 12	1.4MHz	QPSK	23017	3RB#0	23.41	24.26	34.77	PASS
BAND 12	1.4MHz	QPSK	23017	3RB#1	23.49	24.34	34.77	PASS
BAND 12	1.4MHz	QPSK	23017	3RB#3	23.38	24.23	34.77	PASS
BAND 12	1.4MHz	QPSK	23017	6RB#0	22.50	23.35	34.77	PASS
BAND 12	1.4MHz	QPSK	23095	1RB#0	23.41	24.26	34.77	PASS
BAND 12	1.4MHz	QPSK	23095	1RB#2	23.40	24.25	34.77	PASS
BAND 12	1.4MHz	QPSK	23095	1RB#5	23.36	24.21	34.77	PASS
BAND 12	1.4MHz	QPSK	23095	3RB#0	23.42	24.27	34.77	PASS
BAND 12	1.4MHz	QPSK	23095	3RB#1	23.43	24.28	34.77	PASS
BAND 12	1.4MHz	QPSK	23095	3RB#3	23.46	24.31	34.77	PASS
BAND 12	1.4MHz	QPSK	23095	6RB#0	22.43	23.28	34.77	PASS
BAND 12	1.4MHz	QPSK	23173	1RB#0	23.25	24.10	34.77	PASS
BAND 12	1.4MHz	QPSK	23173	1RB#2	23.41	24.26	34.77	PASS
BAND 12	1.4MHz	QPSK	23173	1RB#5	23.34	24.19	34.77	PASS
BAND 12	1.4MHz	QPSK	23173	3RB#0	23.38	24.23	34.77	PASS
BAND 12	1.4MHz	QPSK	23173	3RB#1	23.42	24.27	34.77	PASS
BAND 12	1.4MHz	QPSK	23173	3RB#3	23.41	24.26	34.77	PASS
BAND 12	1.4MHz	QPSK	23173	6RB#0	22.46	23.31	34.77	PASS
BAND 12	1.4MHz	64QAM	23017	1RB#0	22.43	23.28	34.77	PASS
BAND 12	1.4MHz	64QAM	23017	1RB#2	22.59	23.44	34.77	PASS
BAND 12	1.4MHz	64QAM	23017	1RB#5	22.43	23.28	34.77	PASS
BAND 12	1.4MHz	64QAM	23017	3RB#0	22.55	23.40	34.77	PASS
BAND 12	1.4MHz	64QAM	23017	3RB#1	22.63	23.48	34.77	PASS
BAND 12	1.4MHz	64QAM	23017	3RB#3	22.41	23.26	34.77	PASS
BAND 12	1.4MHz	64QAM	23017	6RB#0	21.52	22.37	34.77	PASS
BAND 12	1.4MHz	64QAM	23095	1RB#0	22.55	23.40	34.77	PASS
BAND 12	1.4MHz	64QAM	23095	1RB#2	22.53	23.38	34.77	PASS
BAND 12	1.4MHz	64QAM	23095	1RB#5	22.54	23.39	34.77	PASS
BAND 12	1.4MHz	64QAM	23095	3RB#0	22.46	23.31	34.77	PASS
BAND 12	1.4MHz	64QAM	23095	3RB#1	22.51	23.36	34.77	PASS
BAND 12	1.4MHz	64QAM	23095	3RB#3	22.49	23.34	34.77	PASS



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BAND 12	1.4MHz	64QAM	23095	6RB#0	21.46	22.31	34.77	PASS
BAND 12	1.4MHz	64QAM	23173	1RB#0	22.35	23.20	34.77	PASS
BAND 12	1.4MHz	64QAM	23173	1RB#2	22.52	23.37	34.77	PASS
BAND 12	1.4MHz	64QAM	23173	1RB#5	22.50	23.35	34.77	PASS
BAND 12	1.4MHz	64QAM	23173	3RB#0	22.36	23.21	34.77	PASS
BAND 12	1.4MHz	64QAM	23173	3RB#1	22.59	23.44	34.77	PASS
BAND 12	1.4MHz	64QAM	23173	3RB#3	22.50	23.35	34.77	PASS
BAND 12	1.4MHz	64QAM	23173	6RB#0	21.52	22.37	34.77	PASS
BAND 12	1.4MHz	16QAM	23017	1RB#0	22.52	23.37	34.77	PASS
BAND 12	1.4MHz	16QAM	23017	1RB#2	22.73	23.58	34.77	PASS
BAND 12	1.4MHz	16QAM	23017	1RB#5	22.59	23.44	34.77	PASS
BAND 12	1.4MHz	16QAM	23017	3RB#0	22.50	23.35	34.77	PASS
BAND 12	1.4MHz	16QAM	23017	3RB#1	22.63	23.48	34.77	PASS
BAND 12	1.4MHz	16QAM	23017	3RB#3	22.45	23.30	34.77	PASS
BAND 12	1.4MHz	16QAM	23017	6RB#0	21.53	22.38	34.77	PASS
BAND 12	1.4MHz	16QAM	23095	1RB#0	22.61	23.46	34.77	PASS
BAND 12	1.4MHz	16QAM	23095	1RB#2	22.53	23.38	34.77	PASS
BAND 12	1.4MHz	16QAM	23095	1RB#5	22.59	23.44	34.77	PASS
BAND 12	1.4MHz	16QAM	23095	3RB#0	22.46	23.31	34.77	PASS
BAND 12	1.4MHz	16QAM	23095	3RB#1	22.53	23.38	34.77	PASS
BAND 12	1.4MHz	16QAM	23095	3RB#3	22.56	23.41	34.77	PASS
BAND 12	1.4MHz	16QAM	23095	6RB#0	21.48	22.33	34.77	PASS
BAND 12	1.4MHz	16QAM	23173	1RB#0	22.55	23.40	34.77	PASS
BAND 12	1.4MHz	16QAM	23173	1RB#2	22.63	23.48	34.77	PASS
BAND 12	1.4MHz	16QAM	23173	1RB#5	22.57	23.42	34.77	PASS
BAND 12	1.4MHz	16QAM	23173	3RB#0	22.45	23.30	34.77	PASS
BAND 12	1.4MHz	16QAM	23173	3RB#1	22.56	23.41	34.77	PASS
BAND 12	1.4MHz	16QAM	23173	3RB#3	22.47	23.32	34.77	PASS
BAND 12	1.4MHz	16QAM	23173	6RB#0	21.57	22.42	34.77	PASS
BAND 12	3MHz	QPSK	23025	1RB#0	23.40	24.25	34.77	PASS
BAND 12	3MHz	QPSK	23025	1RB#8	23.40	24.25	34.77	PASS
BAND 12	3MHz	QPSK	23025	1RB#14	23.36	24.21	34.77	PASS
BAND 12	3MHz	QPSK	23025	8RB#0	22.61	23.46	34.77	PASS
BAND 12	3MHz	QPSK	23025	8RB#4	22.59	23.44	34.77	PASS
BAND 12	3MHz	QPSK	23025	8RB#7	22.56	23.41	34.77	PASS
BAND 12	3MHz	QPSK	23025	15RB#0	22.55	23.40	34.77	PASS
BAND 12	3MHz	QPSK	23095	1RB#0	23.46	24.31	34.77	PASS
BAND 12	3MHz	QPSK	23095	1RB#8	23.47	24.32	34.77	PASS
BAND 12	3MHz	QPSK	23095	1RB#14	23.37	24.22	34.77	PASS
BAND 12	3MHz	QPSK	23095	8RB#0	22.61	23.46	34.77	PASS
BAND 12	3MHz	QPSK	23095	8RB#4	22.55	23.40	34.77	PASS

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BAND 12	3MHz	QPSK	23095	8RB#7	22.56	23.41	34.77	PASS
BAND 12	3MHz	QPSK	23095	15RB#0	22.50	23.35	34.77	PASS
BAND 12	3MHz	QPSK	23165	1RB#0	23.34	24.19	34.77	PASS
BAND 12	3MHz	QPSK	23165	1RB#8	23.35	24.20	34.77	PASS
BAND 12	3MHz	QPSK	23165	1RB#14	23.39	24.24	34.77	PASS
BAND 12	3MHz	QPSK	23165	8RB#0	22.56	23.41	34.77	PASS
BAND 12	3MHz	QPSK	23165	8RB#4	22.51	23.36	34.77	PASS
BAND 12	3MHz	QPSK	23165	8RB#7	22.52	23.37	34.77	PASS
BAND 12	3MHz	QPSK	23165	15RB#0	22.44	23.29	34.77	PASS
BAND 12	3MHz	64QAM	23025	1RB#0	22.54	23.39	34.77	PASS
BAND 12	3MHz	64QAM	23025	1RB#8	22.56	23.41	34.77	PASS
BAND 12	3MHz	64QAM	23025	1RB#14	22.53	23.38	34.77	PASS
BAND 12	3MHz	64QAM	23025	8RB#0	21.70	22.55	34.77	PASS
BAND 12	3MHz	64QAM	23025	8RB#4	21.63	22.48	34.77	PASS
BAND 12	3MHz	64QAM	23025	8RB#7	21.63	22.48	34.77	PASS
BAND 12	3MHz	64QAM	23025	15RB#0	21.56	22.41	34.77	PASS
BAND 12	3MHz	64QAM	23095	1RB#0	22.57	23.42	34.77	PASS
BAND 12	3MHz	64QAM	23095	1RB#8	22.59	23.44	34.77	PASS
BAND 12	3MHz	64QAM	23095	1RB#14	22.52	23.37	34.77	PASS
BAND 12	3MHz	64QAM	23095	8RB#0	21.64	22.49	34.77	PASS
BAND 12	3MHz	64QAM	23095	8RB#4	21.63	22.48	34.77	PASS
BAND 12	3MHz	64QAM	23095	8RB#7	21.59	22.44	34.77	PASS
BAND 12	3MHz	64QAM	23095	15RB#0	21.53	22.38	34.77	PASS
BAND 12	3MHz	64QAM	23165	1RB#0	22.51	23.36	34.77	PASS
BAND 12	3MHz	64QAM	23165	1RB#8	22.50	23.35	34.77	PASS
BAND 12	3MHz	64QAM	23165	1RB#14	22.56	23.41	34.77	PASS
BAND 12	3MHz	64QAM	23165	8RB#0	21.63	22.48	34.77	PASS
BAND 12	3MHz	64QAM	23165	8RB#4	21.54	22.39	34.77	PASS
BAND 12	3MHz	64QAM	23165	8RB#7	21.61	22.46	34.77	PASS
BAND 12	3MHz	64QAM	23165	15RB#0	21.55	22.40	34.77	PASS
BAND 12	3MHz	16QAM	23025	1RB#0	22.65	23.50	34.77	PASS
BAND 12	3MHz	16QAM	23025	1RB#8	22.65	23.50	34.77	PASS
BAND 12	3MHz	16QAM	23025	1RB#14	22.57	23.42	34.77	PASS
BAND 12	3MHz	16QAM	23025	8RB#0	21.70	22.55	34.77	PASS
BAND 12	3MHz	16QAM	23025	8RB#4	21.63	22.48	34.77	PASS
BAND 12	3MHz	16QAM	23025	8RB#7	21.59	22.44	34.77	PASS
BAND 12	3MHz	16QAM	23025	15RB#0	21.49	22.34	34.77	PASS
BAND 12	3MHz	16QAM	23095	1RB#0	22.70	23.55	34.77	PASS
BAND 12	3MHz	16QAM	23095	1RB#8	22.73	23.58	34.77	PASS
BAND 12	3MHz	16QAM	23095	1RB#14	22.63	23.48	34.77	PASS
BAND 12	3MHz	16QAM	23095	8RB#0	21.64	22.49	34.77	PASS

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BAND 12	3MHz	16QAM	23095	8RB#4	21.56	22.41	34.77	PASS
BAND 12	3MHz	16QAM	23095	8RB#7	21.57	22.42	34.77	PASS
BAND 12	3MHz	16QAM	23095	15RB#0	21.49	22.34	34.77	PASS
BAND 12	3MHz	16QAM	23165	1RB#0	22.54	23.39	34.77	PASS
BAND 12	3MHz	16QAM	23165	1RB#8	22.66	23.51	34.77	PASS
BAND 12	3MHz	16QAM	23165	1RB#14	22.55	23.40	34.77	PASS
BAND 12	3MHz	16QAM	23165	8RB#0	21.58	22.43	34.77	PASS
BAND 12	3MHz	16QAM	23165	8RB#4	21.55	22.40	34.77	PASS
BAND 12	3MHz	16QAM	23165	8RB#7	21.58	22.43	34.77	PASS
BAND 12	3MHz	16QAM	23165	15RB#0	21.45	22.30	34.77	PASS
BAND 12	5MHz	QPSK	23035	1RB#0	23.44	24.29	34.77	PASS
BAND 12	5MHz	QPSK	23035	1RB#12	23.48	24.33	34.77	PASS
BAND 12	5MHz	QPSK	23035	1RB#24	23.35	24.20	34.77	PASS
BAND 12	5MHz	QPSK	23035	12RB#0	22.57	23.42	34.77	PASS
BAND 12	5MHz	QPSK	23035	12RB#6	22.61	23.46	34.77	PASS
BAND 12	5MHz	QPSK	23035	12RB#13	22.51	23.36	34.77	PASS
BAND 12	5MHz	QPSK	23035	25RB#0	22.60	23.45	34.77	PASS
BAND 12	5MHz	QPSK	23095	1RB#0	23.38	24.23	34.77	PASS
BAND 12	5MHz	QPSK	23095	1RB#12	23.43	24.28	34.77	PASS
BAND 12	5MHz	QPSK	23095	1RB#24	23.40	24.25	34.77	PASS
BAND 12	5MHz	QPSK	23095	12RB#0	22.60	23.45	34.77	PASS
BAND 12	5MHz	QPSK	23095	12RB#6	22.53	23.38	34.77	PASS
BAND 12	5MHz	QPSK	23095	12RB#13	22.45	23.30	34.77	PASS
BAND 12	5MHz	QPSK	23095	25RB#0	22.54	23.39	34.77	PASS
BAND 12	5MHz	QPSK	23155	1RB#0	23.42	24.27	34.77	PASS
BAND 12	5MHz	QPSK	23155	1RB#12	23.31	24.16	34.77	PASS
BAND 12	5MHz	QPSK	23155	1RB#24	23.34	24.19	34.77	PASS
BAND 12	5MHz	QPSK	23155	12RB#0	22.55	23.40	34.77	PASS
BAND 12	5MHz	QPSK	23155	12RB#6	22.49	23.34	34.77	PASS
BAND 12	5MHz	QPSK	23155	12RB#13	22.45	23.30	34.77	PASS
BAND 12	5MHz	QPSK	23155	25RB#0	22.55	23.40	34.77	PASS
BAND 12	5MHz	64QAM	23035	1RB#0	22.70	23.55	34.77	PASS
BAND 12	5MHz	64QAM	23035	1RB#12	22.54	23.39	34.77	PASS
BAND 12	5MHz	64QAM	23035	1RB#24	22.47	23.32	34.77	PASS
BAND 12	5MHz	64QAM	23035	12RB#0	21.60	22.45	34.77	PASS
BAND 12	5MHz	64QAM	23035	12RB#6	21.67	22.52	34.77	PASS
BAND 12	5MHz	64QAM	23035	12RB#13	21.55	22.40	34.77	PASS
BAND 12	5MHz	64QAM	23035	25RB#0	21.63	22.48	34.77	PASS
BAND 12	5MHz	64QAM	23095	1RB#0	22.55	23.40	34.77	PASS
BAND 12	5MHz	64QAM	23095	1RB#12	22.57	23.42	34.77	PASS
BAND 12	5MHz	64QAM	23095	1RB#24	22.61	23.46	34.77	PASS

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BAND 12	5MHz	64QAM	23095	12RB#0	21.62	22.47	34.77	PASS
BAND 12	5MHz	64QAM	23095	12RB#6	21.57	22.42	34.77	PASS
BAND 12	5MHz	64QAM	23095	12RB#13	21.52	22.37	34.77	PASS
BAND 12	5MHz	64QAM	23095	25RB#0	21.58	22.43	34.77	PASS
BAND 12	5MHz	64QAM	23155	1RB#0	22.64	23.49	34.77	PASS
BAND 12	5MHz	64QAM	23155	1RB#12	22.45	23.30	34.77	PASS
BAND 12	5MHz	64QAM	23155	1RB#24	22.40	23.25	34.77	PASS
BAND 12	5MHz	64QAM	23155	12RB#0	21.60	22.45	34.77	PASS
BAND 12	5MHz	64QAM	23155	12RB#6	21.51	22.36	34.77	PASS
BAND 12	5MHz	64QAM	23155	12RB#13	21.53	22.38	34.77	PASS
BAND 12	5MHz	64QAM	23155	25RB#0	21.63	22.48	34.77	PASS
BAND 12	5MHz	16QAM	23035	1RB#0	22.75	23.60	34.77	PASS
BAND 12	5MHz	16QAM	23035	1RB#12	22.69	23.54	34.77	PASS
BAND 12	5MHz	16QAM	23035	1RB#24	22.56	23.41	34.77	PASS
BAND 12	5MHz	16QAM	23035	12RB#0	21.58	22.43	34.77	PASS
BAND 12	5MHz	16QAM	23035	12RB#6	21.66	22.51	34.77	PASS
BAND 12	5MHz	16QAM	23035	12RB#13	21.58	22.43	34.77	PASS
BAND 12	5MHz	16QAM	23035	25RB#0	21.58	22.43	34.77	PASS
BAND 12	5MHz	16QAM	23095	1RB#0	22.74	23.59	34.77	PASS
BAND 12	5MHz	16QAM	23095	1RB#12	22.72	23.57	34.77	PASS
BAND 12	5MHz	16QAM	23095	1RB#24	22.68	23.53	34.77	PASS
BAND 12	5MHz	16QAM	23095	12RB#0	21.57	22.42	34.77	PASS
BAND 12	5MHz	16QAM	23095	12RB#6	21.59	22.44	34.77	PASS
BAND 12	5MHz	16QAM	23095	12RB#13	21.48	22.33	34.77	PASS
BAND 12	5MHz	16QAM	23095	25RB#0	21.48	22.33	34.77	PASS
BAND 12	5MHz	16QAM	23155	1RB#0	22.69	23.54	34.77	PASS
BAND 12	5MHz	16QAM	23155	1RB#12	22.55	23.40	34.77	PASS
BAND 12	5MHz	16QAM	23155	1RB#24	22.67	23.52	34.77	PASS
BAND 12	5MHz	16QAM	23155	12RB#0	21.56	22.41	34.77	PASS
BAND 12	5MHz	16QAM	23155	12RB#6	21.51	22.36	34.77	PASS
BAND 12	5MHz	16QAM	23155	12RB#13	21.50	22.35	34.77	PASS
BAND 12	5MHz	16QAM	23155	25RB#0	21.57	22.42	34.77	PASS
BAND 12	10MHz	QPSK	23060	1RB#0	23.46	24.31	34.77	PASS
BAND 12	10MHz	QPSK	23060	1RB#24	23.45	24.30	34.77	PASS
BAND 12	10MHz	QPSK	23060	1RB#49	23.35	24.20	34.77	PASS
BAND 12	10MHz	QPSK	23060	25RB#0	22.67	23.52	34.77	PASS
BAND 12	10MHz	QPSK	23060	25RB#12	22.58	23.43	34.77	PASS
BAND 12	10MHz	QPSK	23060	25RB#25	22.56	23.41	34.77	PASS
BAND 12	10MHz	QPSK	23060	50RB#0	22.59	23.44	34.77	PASS
BAND 12	10MHz	QPSK	23095	1RB#0	23.46	24.31	34.77	PASS
BAND 12	10MHz	QPSK	23095	1RB#24	23.42	24.27	34.77	PASS

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BAND 12	10MHz	QPSK	23095	1RB#49	23.28	24.13	34.77	PASS
BAND 12	10MHz	QPSK	23095	25RB#0	22.57	23.42	34.77	PASS
BAND 12	10MHz	QPSK	23095	25RB#12	22.60	23.45	34.77	PASS
BAND 12	10MHz	QPSK	23095	25RB#25	22.54	23.39	34.77	PASS
BAND 12	10MHz	QPSK	23095	50RB#0	22.56	23.41	34.77	PASS
BAND 12	10MHz	QPSK	23130	1RB#0	23.49	24.34	34.77	PASS
BAND 12	10MHz	QPSK	23130	1RB#24	23.46	24.31	34.77	PASS
BAND 12	10MHz	QPSK	23130	1RB#49	23.28	24.13	34.77	PASS
BAND 12	10MHz	QPSK	23130	25RB#0	22.53	23.38	34.77	PASS
BAND 12	10MHz	QPSK	23130	25RB#12	22.61	23.46	34.77	PASS
BAND 12	10MHz	QPSK	23130	25RB#25	22.61	23.46	34.77	PASS
BAND 12	10MHz	QPSK	23130	50RB#0	22.61	23.46	34.77	PASS
BAND 12	10MHz	64QAM	23060	1RB#0	22.77	23.62	34.77	PASS
BAND 12	10MHz	64QAM	23060	1RB#24	22.59	23.44	34.77	PASS
BAND 12	10MHz	64QAM	23060	1RB#49	22.52	23.37	34.77	PASS
BAND 12	10MHz	64QAM	23060	25RB#0	21.70	22.55	34.77	PASS
BAND 12	10MHz	64QAM	23060	25RB#12	21.57	22.42	34.77	PASS
BAND 12	10MHz	64QAM	23060	25RB#25	21.53	22.38	34.77	PASS
BAND 12	10MHz	64QAM	23060	50RB#0	21.58	22.43	34.77	PASS
BAND 12	10MHz	64QAM	23095	1RB#0	22.65	23.50	34.77	PASS
BAND 12	10MHz	64QAM	23095	1RB#24	22.65	23.50	34.77	PASS
BAND 12	10MHz	64QAM	23095	1RB#49	22.41	23.26	34.77	PASS
BAND 12	10MHz	64QAM	23095	25RB#0	21.55	22.40	34.77	PASS
BAND 12	10MHz	64QAM	23095	25RB#12	21.61	22.46	34.77	PASS
BAND 12	10MHz	64QAM	23095	25RB#25	21.55	22.40	34.77	PASS
BAND 12	10MHz	64QAM	23095	50RB#0	21.60	22.45	34.77	PASS
BAND 12	10MHz	64QAM	23130	1RB#0	22.56	23.41	34.77	PASS
BAND 12	10MHz	64QAM	23130	1RB#24	22.62	23.47	34.77	PASS
BAND 12	10MHz	64QAM	23130	1RB#49	22.45	23.30	34.77	PASS
BAND 12	10MHz	64QAM	23130	25RB#0	21.55	22.40	34.77	PASS
BAND 12	10MHz	64QAM	23130	25RB#12	21.64	22.49	34.77	PASS
BAND 12	10MHz	64QAM	23130	25RB#25	21.62	22.47	34.77	PASS
BAND 12	10MHz	64QAM	23130	50RB#0	21.54	22.39	34.77	PASS
BAND 12	10MHz	16QAM	23060	1RB#0	22.69	23.54	34.77	PASS
BAND 12	10MHz	16QAM	23060	1RB#24	22.57	23.42	34.77	PASS
BAND 12	10MHz	16QAM	23060	1RB#49	22.65	23.50	34.77	PASS
BAND 12	10MHz	16QAM	23060	25RB#0	21.63	22.48	34.77	PASS
BAND 12	10MHz	16QAM	23060	25RB#12	21.51	22.36	34.77	PASS
BAND 12	10MHz	16QAM	23060	25RB#25	21.50	22.35	34.77	PASS
BAND 12	10MHz	16QAM	23060	50RB#0	21.48	22.33	34.77	PASS
BAND 12	10MHz	16QAM	23095	1RB#0	22.74	23.59	34.77	PASS

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BAND 12	10MHz	16QAM	23095	1RB#24	22.60	23.45	34.77	PASS
BAND 12	10MHz	16QAM	23095	1RB#49	22.51	23.36	34.77	PASS
BAND 12	10MHz	16QAM	23095	25RB#0	21.54	22.39	34.77	PASS
BAND 12	10MHz	16QAM	23095	25RB#12	21.54	22.39	34.77	PASS
BAND 12	10MHz	16QAM	23095	25RB#25	21.46	22.31	34.77	PASS
BAND 12	10MHz	16QAM	23095	50RB#0	21.49	22.34	34.77	PASS
BAND 12	10MHz	16QAM	23130	1RB#0	22.69	23.54	34.77	PASS
BAND 12	10MHz	16QAM	23130	1RB#24	22.65	23.50	34.77	PASS
BAND 12	10MHz	16QAM	23130	1RB#49	22.64	23.49	34.77	PASS
BAND 12	10MHz	16QAM	23130	25RB#0	21.51	22.36	34.77	PASS
BAND 12	10MHz	16QAM	23130	25RB#12	21.57	22.42	34.77	PASS
BAND 12	10MHz	16QAM	23130	25RB#25	21.54	22.39	34.77	PASS
BAND 12	10MHz	16QAM	23130	50RB#0	21.52	22.37	34.77	PASS

Note:

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

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

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

b: SGP=Signal Generator Level

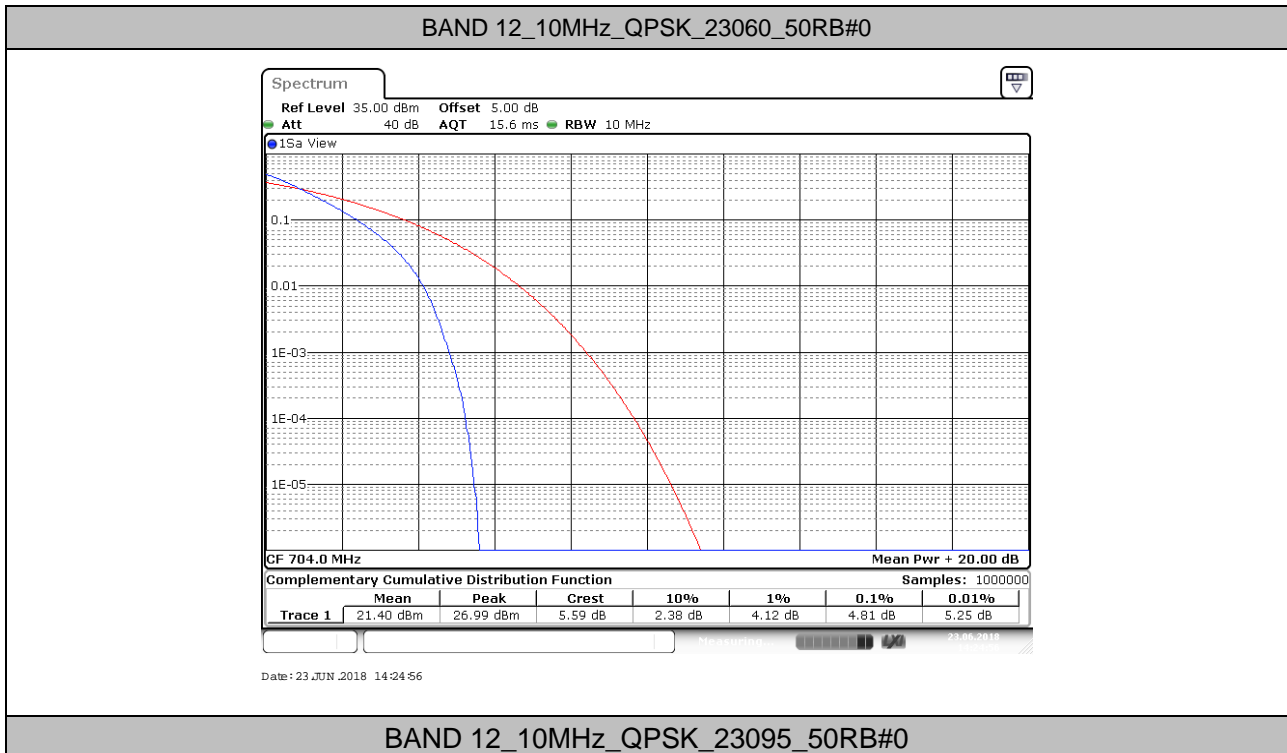


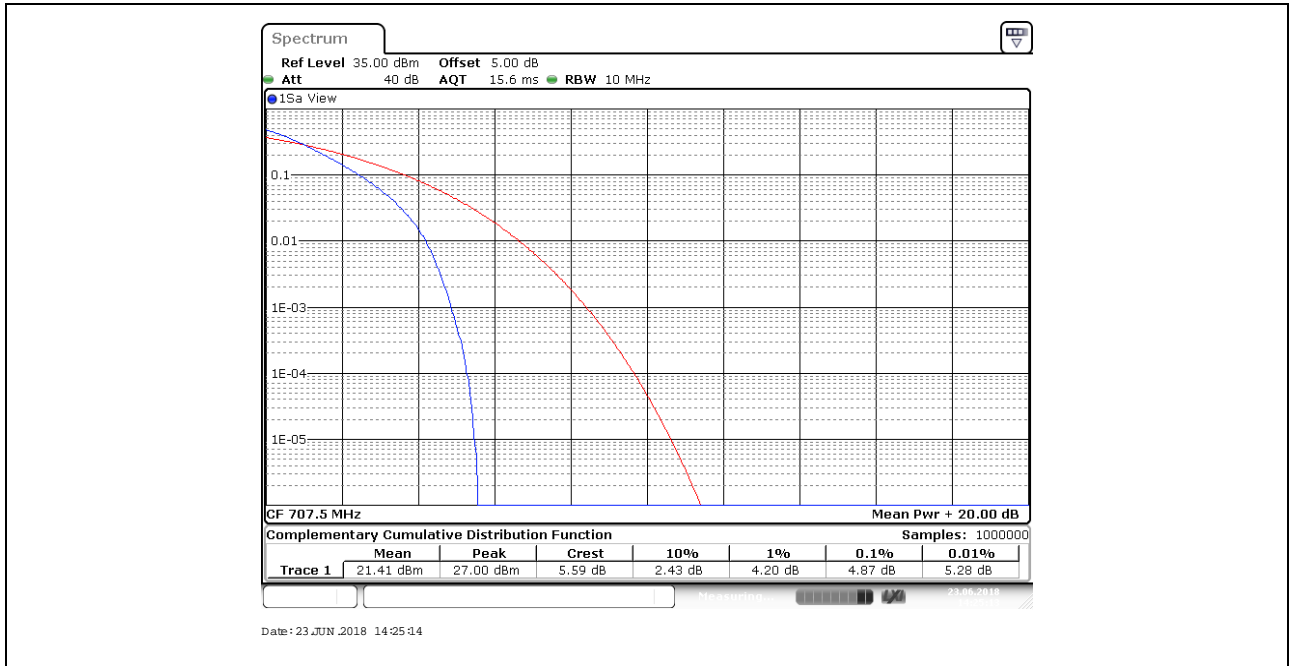
2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

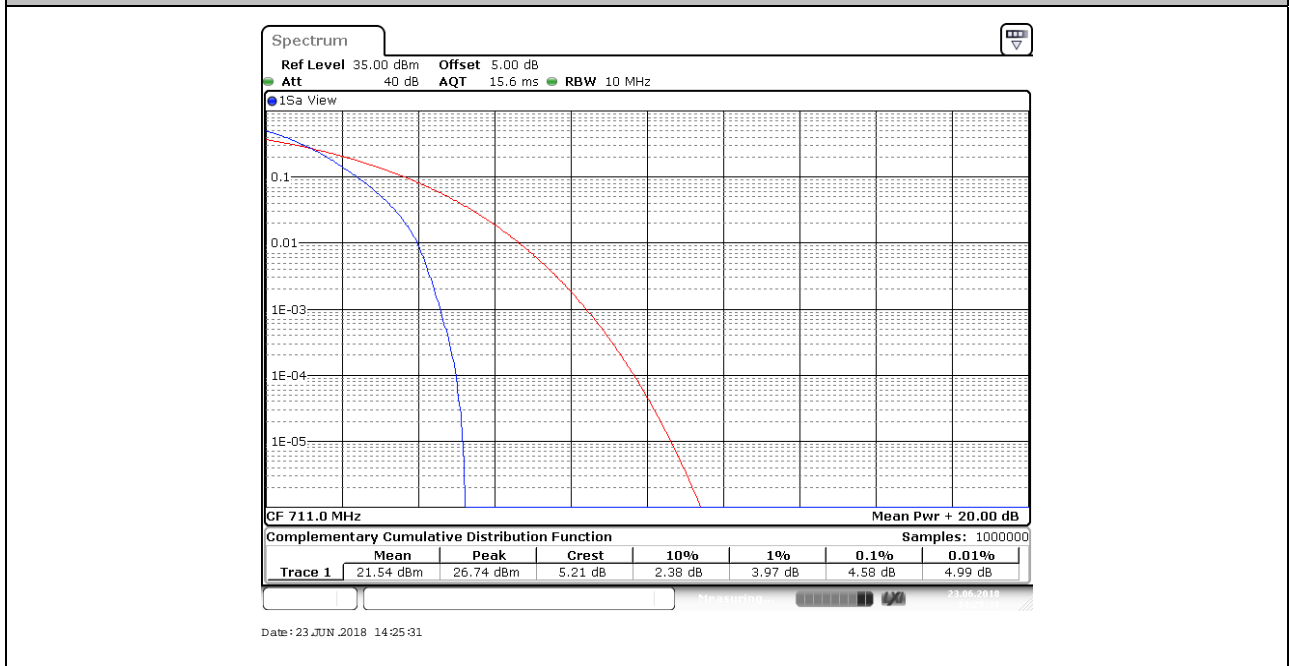
BAND	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
BAND 12	10MHz	QPSK	23060	50RB#0	4.81	13	PASS
BAND 12	10MHz	QPSK	23095	50RB#0	4.87	13	PASS
BAND 12	10MHz	QPSK	23130	50RB#0	4.58	13	PASS
BAND 12	10MHz	64QAM	23060	50RB#0	5.59	13	PASS
BAND 12	10MHz	64QAM	23095	50RB#0	5.74	13	PASS
BAND 12	10MHz	64QAM	23130	50RB#0	5.54	13	PASS
BAND 12	10MHz	16QAM	23060	50RB#0	5.62	13	PASS
BAND 12	10MHz	16QAM	23095	50RB#0	5.74	13	PASS
BAND 12	10MHz	16QAM	23130	50RB#0	5.57	13	PASS

2.2. Test Plots

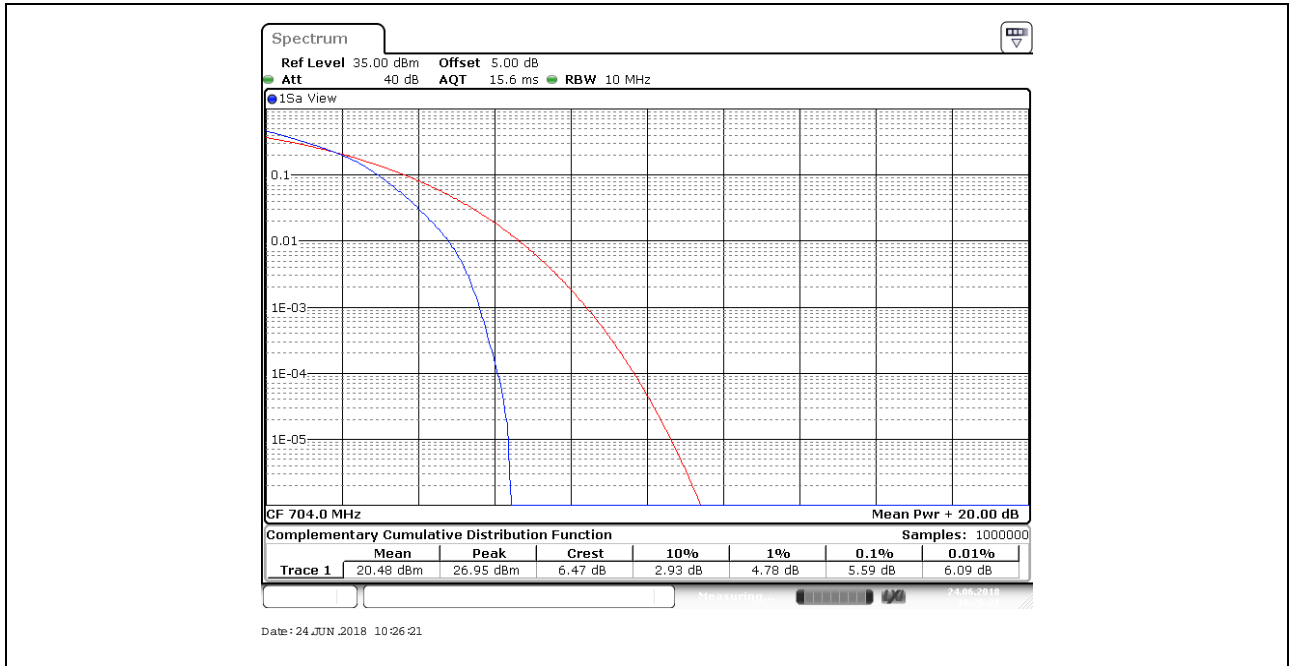




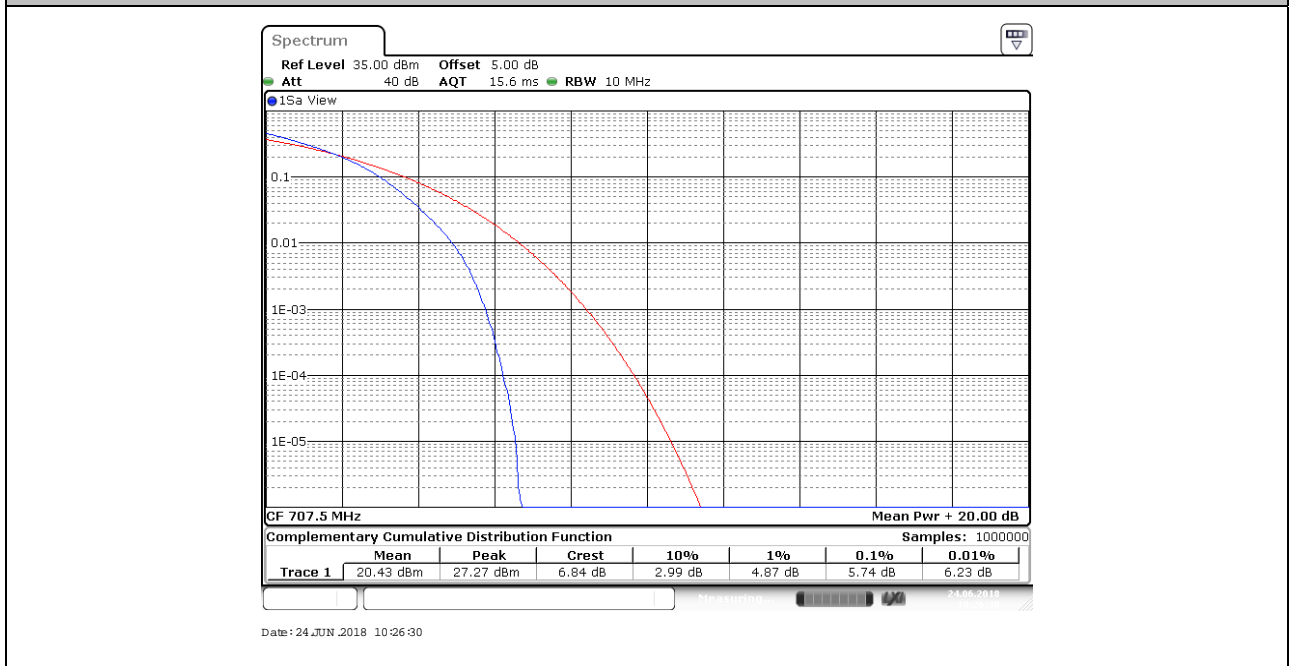
BAND 12_10MHz_QPSK_23130_50RB#0



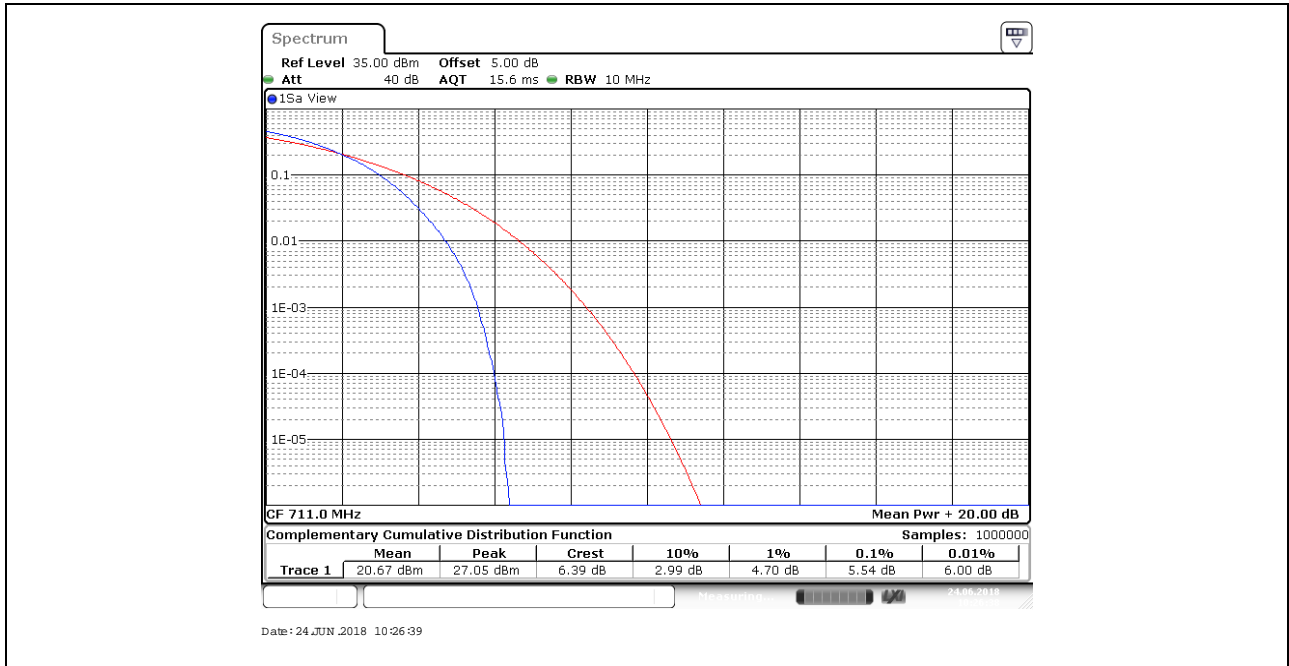
BAND 12_10MHz_64QAM_23060_50RB#0



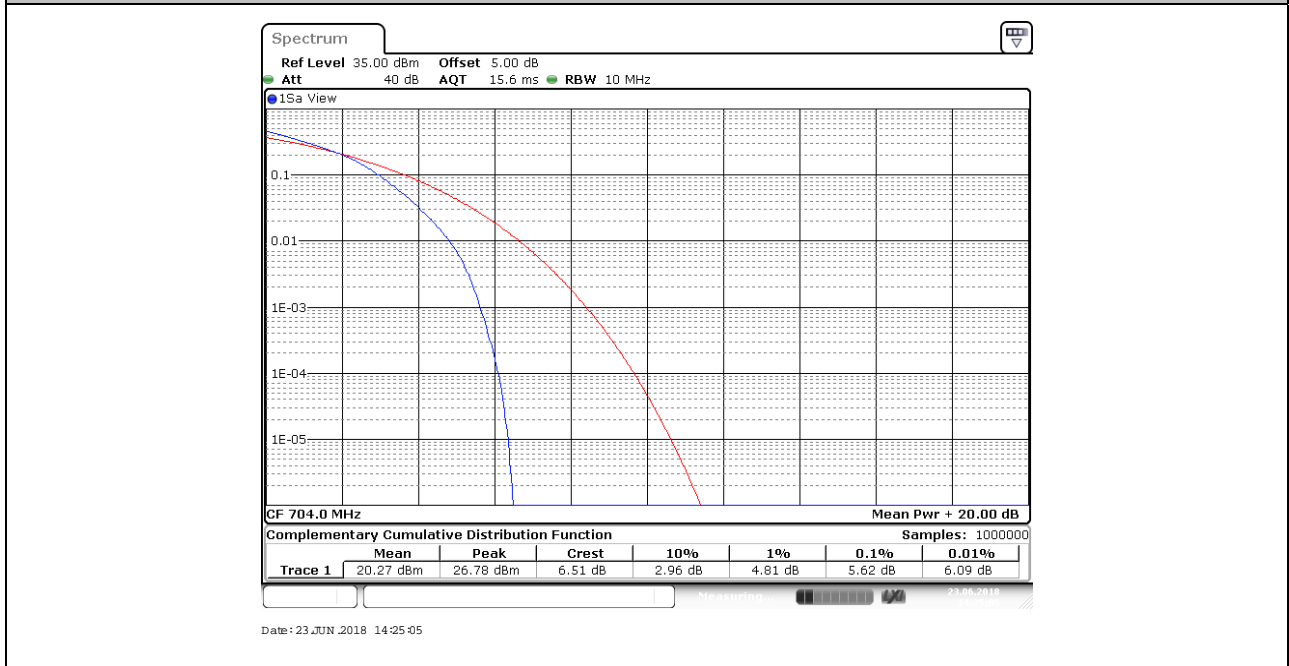
BAND 12_10MHz_64QAM_23095_50RB#0



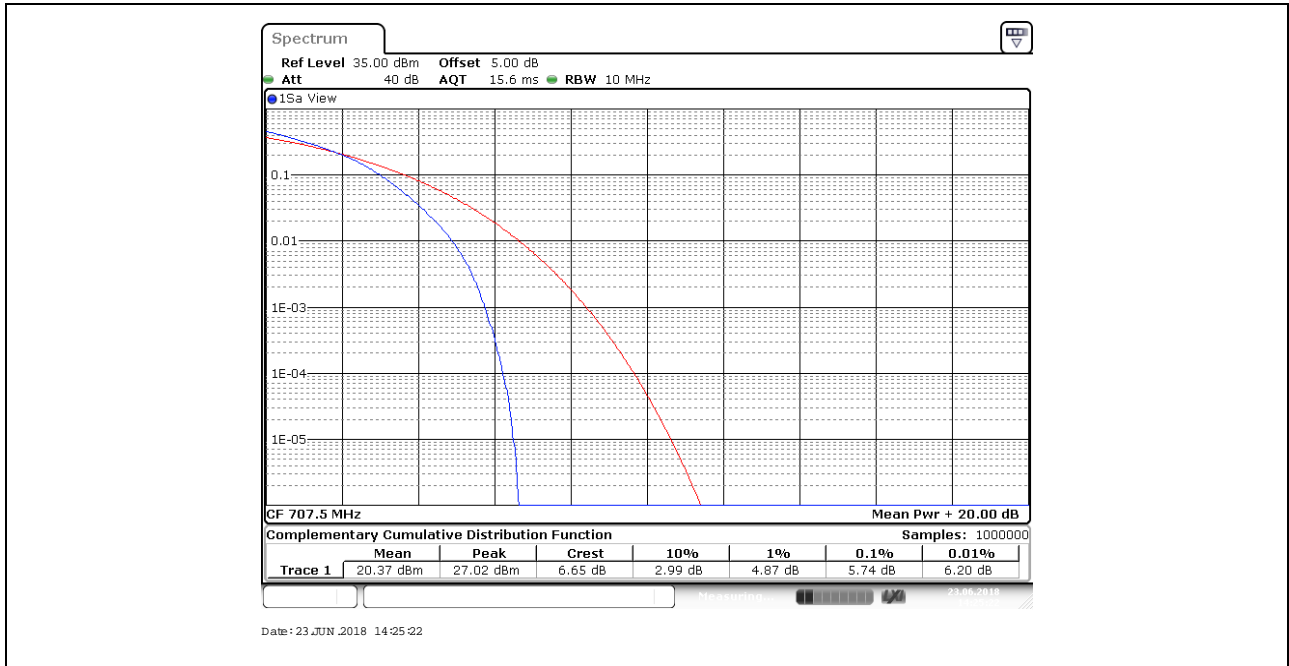
BAND 12_10MHz_64QAM_23130_50RB#0



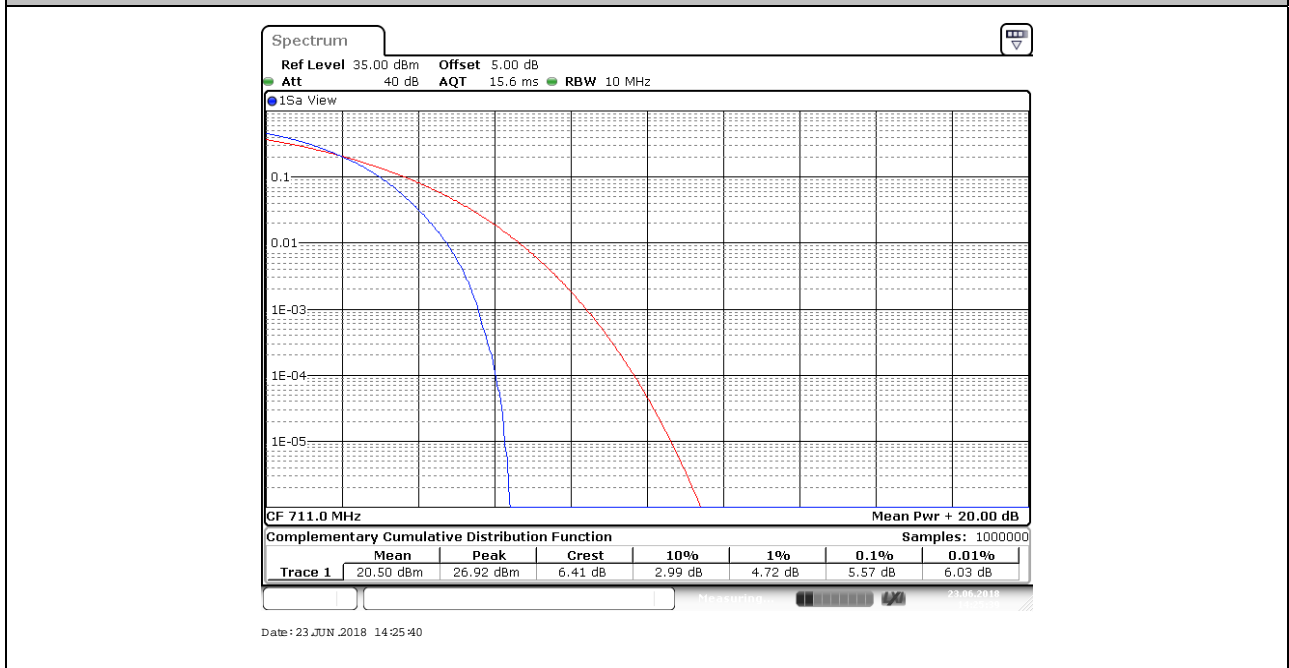
BAND 12_10MHz_16QAM_23060_50RB#0



BAND 12_10MHz_16QAM_23095_50RB#0



BAND 12_10MHz_16QAM_23130_50RB#0

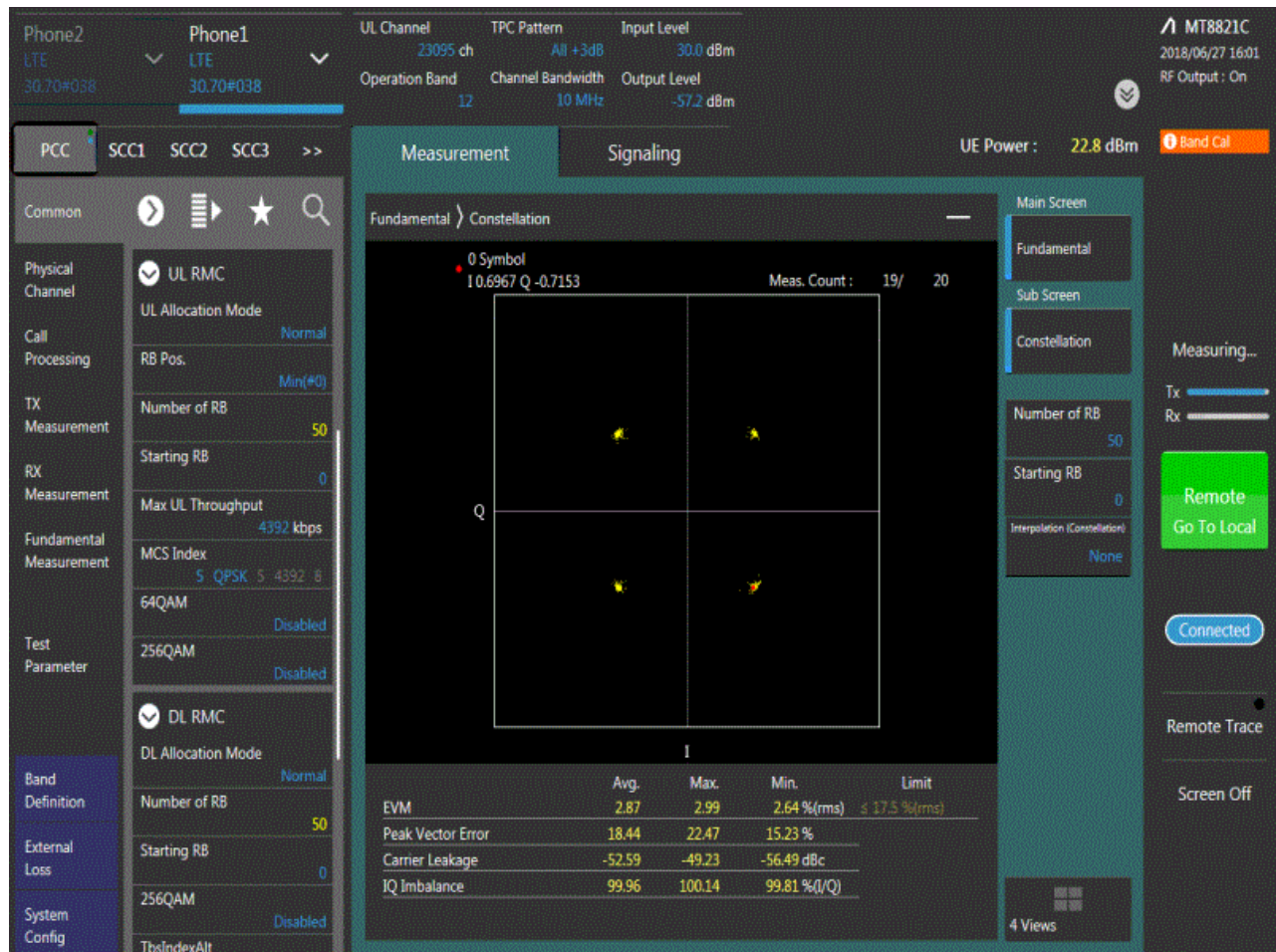


3. Modulation Characteristics

3.1. Test BAND = LTE BAND 12

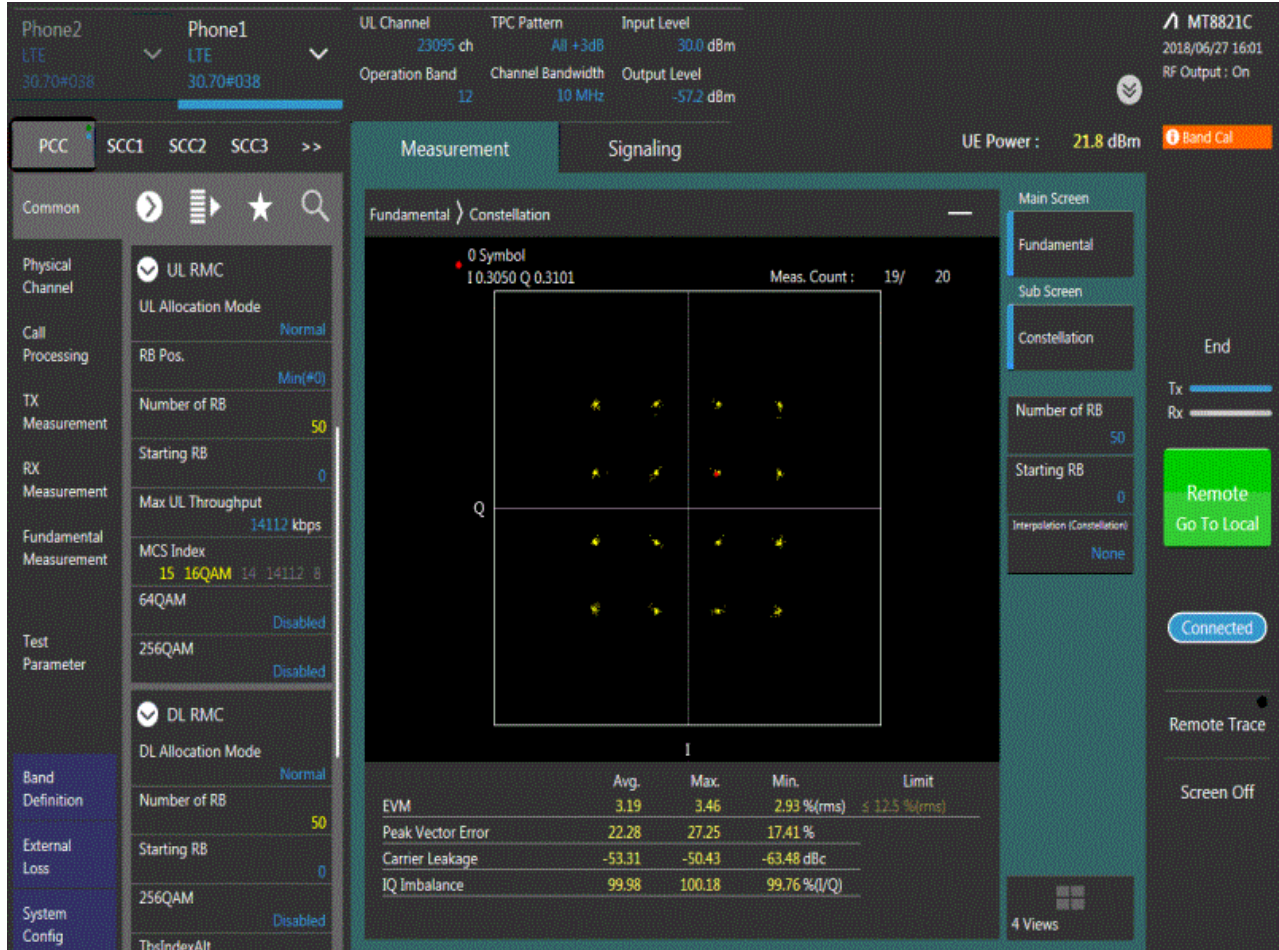
3.1.1. Test Mode = LTE /TM1 10MHz

3.1.1.1. Test Channel = MCH



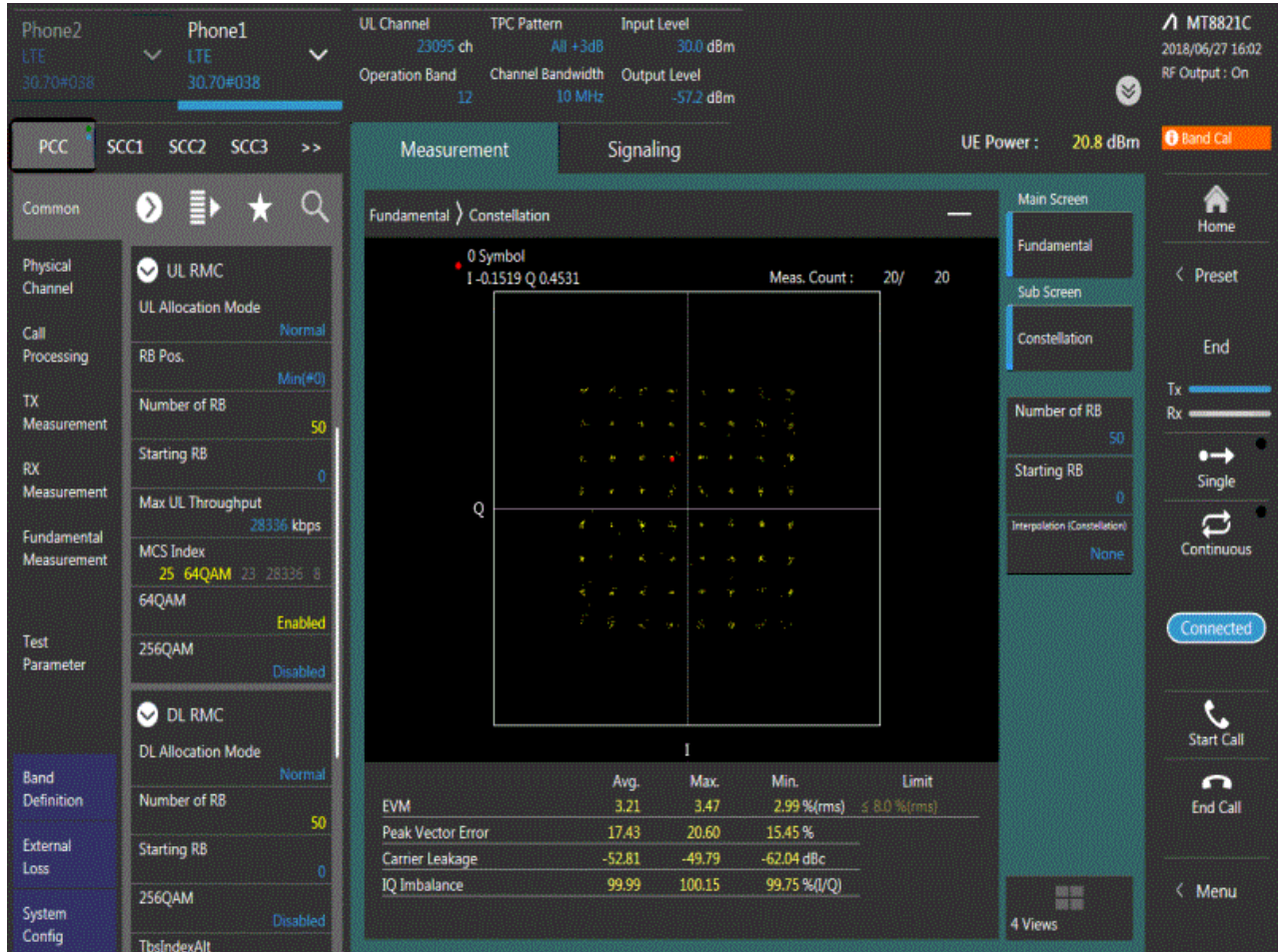
3.1.2. Test Mode = LTE /TM2 10MHz

3.1.2.1. Test Channel = MCH



3.1.3. Test Mode = LTE /TM3 10MHz

3.1.3.1. Test Channel = MCH





4. 26dB Bandwidth and Occupied Bandwidth

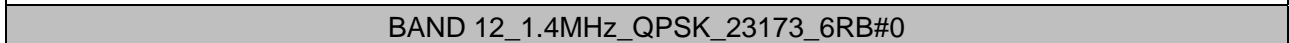
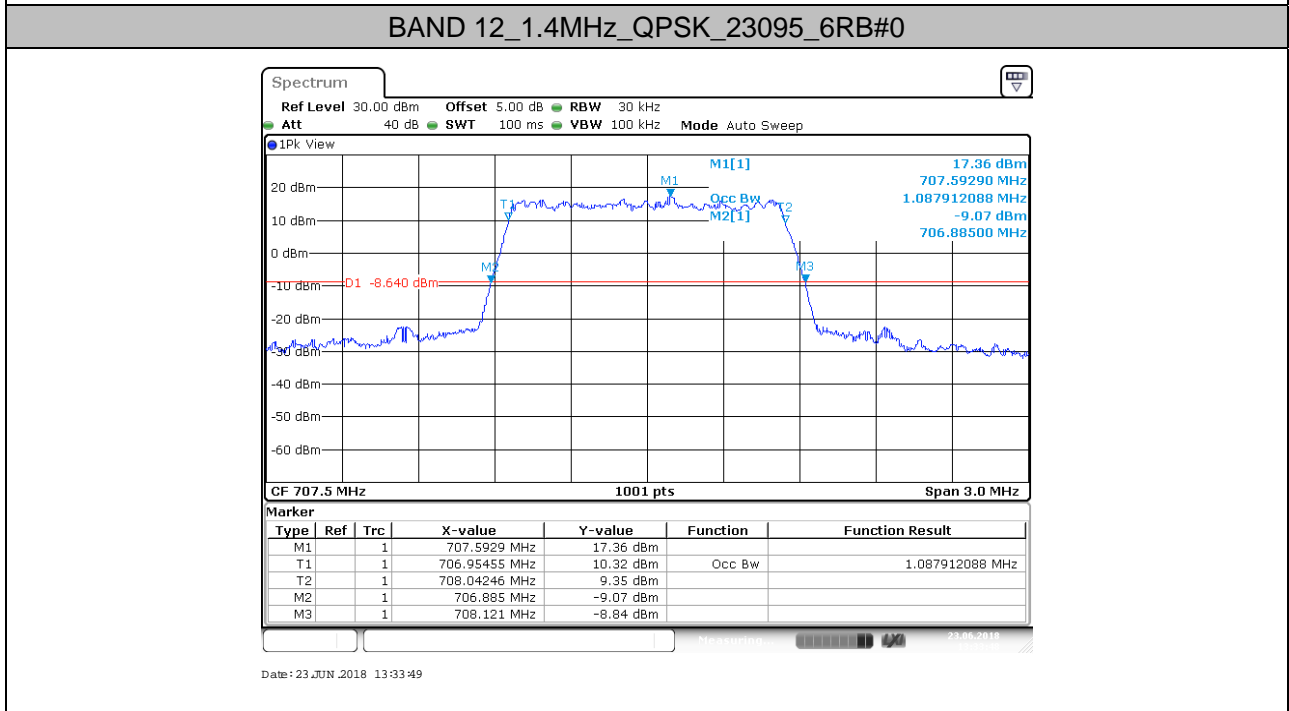
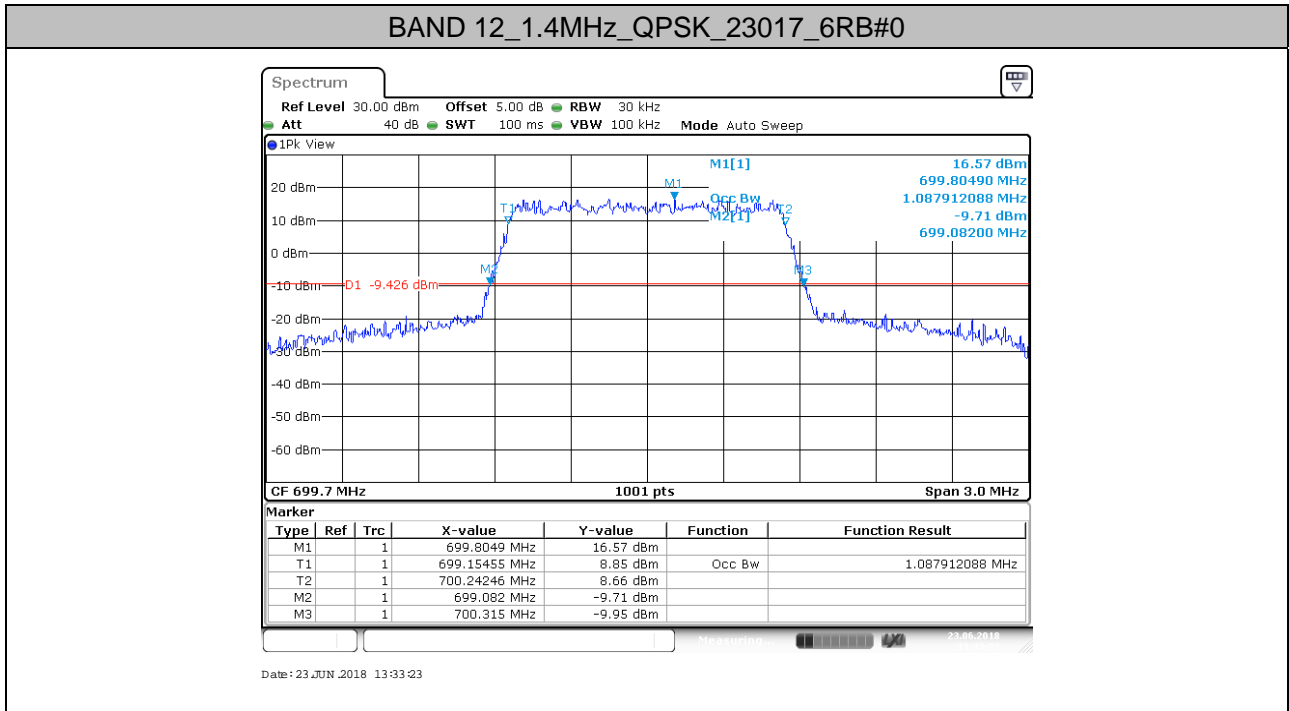
4.1. Test Result

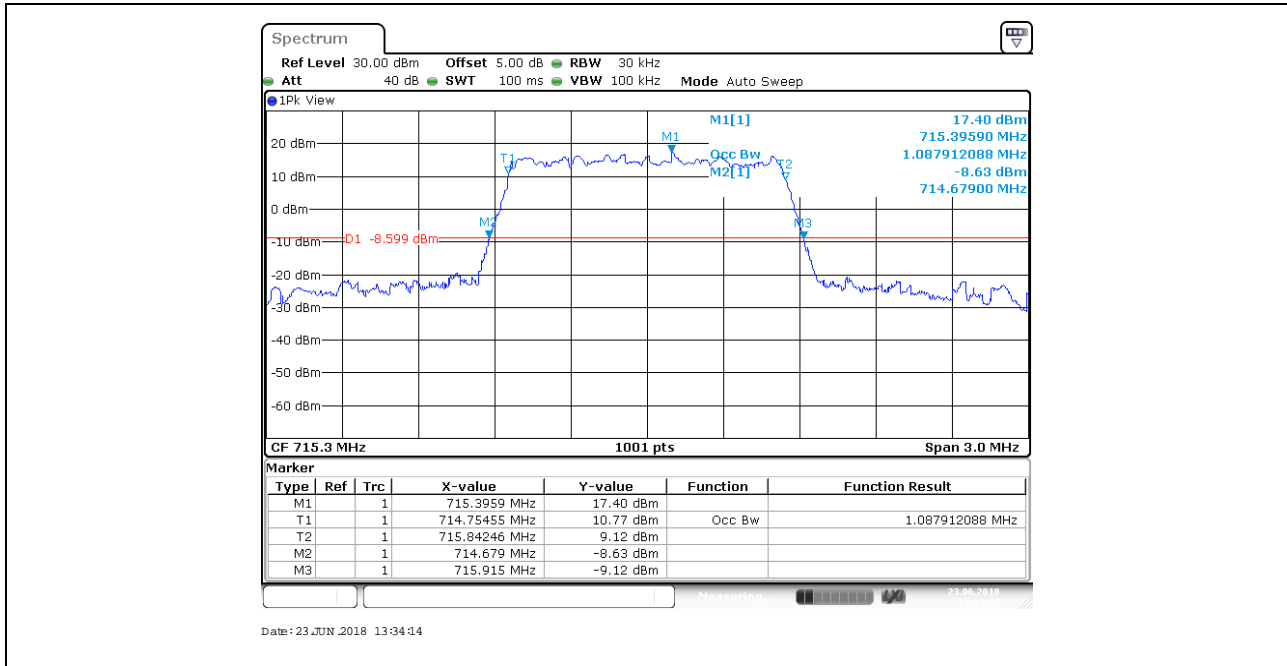
BAND	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
BAND 12	1.4MHz	QPSK	23017	6RB#0	1.088	1.233	PASS
BAND 12	1.4MHz	QPSK	23095	6RB#0	1.088	1.236	PASS
BAND 12	1.4MHz	QPSK	23173	6RB#0	1.088	1.236	PASS
BAND 12	1.4MHz	64QAM	23017	6RB#0	1.088	1.233	PASS
BAND 12	1.4MHz	64QAM	23095	6RB#0	1.085	1.239	PASS
BAND 12	1.4MHz	64QAM	23173	6RB#0	1.088	1.233	PASS
BAND 12	1.4MHz	16QAM	23017	6RB#0	1.088	1.239	PASS
BAND 12	1.4MHz	16QAM	23095	6RB#0	1.091	1.236	PASS
BAND 12	1.4MHz	16QAM	23173	6RB#0	1.091	1.245	PASS
BAND 12	3MHz	QPSK	23025	15RB#0	2.697	3.012	PASS
BAND 12	3MHz	QPSK	23095	15RB#0	2.697	3.012	PASS
BAND 12	3MHz	QPSK	23165	15RB#0	2.697	3.012	PASS
BAND 12	3MHz	64QAM	23025	15RB#0	2.685	2.994	PASS
BAND 12	3MHz	64QAM	23095	15RB#0	2.691	2.994	PASS
BAND 12	3MHz	64QAM	23165	15RB#0	2.697	2.994	PASS
BAND 12	3MHz	16QAM	23025	15RB#0	2.685	2.988	PASS
BAND 12	3MHz	16QAM	23095	15RB#0	2.691	2.982	PASS
BAND 12	3MHz	16QAM	23165	15RB#0	2.691	3.000	PASS
BAND 12	5MHz	QPSK	23035	25RB#0	4.476	4.880	PASS
BAND 12	5MHz	QPSK	23095	25RB#0	4.466	4.880	PASS
BAND 12	5MHz	QPSK	23155	25RB#0	4.466	4.890	PASS
BAND 12	5MHz	64QAM	23035	25RB#0	4.466	4.950	PASS
BAND 12	5MHz	64QAM	23095	25RB#0	4.476	4.950	PASS
BAND 12	5MHz	64QAM	23155	25RB#0	4.476	4.950	PASS
BAND 12	5MHz	16QAM	23035	25RB#0	4.486	4.930	PASS
BAND 12	5MHz	16QAM	23095	25RB#0	4.486	4.910	PASS
BAND 12	5MHz	16QAM	23155	25RB#0	4.486	4.920	PASS
BAND 12	10MHz	QPSK	23060	50RB#0	8.951	9.720	PASS
BAND 12	10MHz	QPSK	23095	50RB#0	8.931	9.720	PASS
BAND 12	10MHz	QPSK	23130	50RB#0	8.891	9.620	PASS
BAND 12	10MHz	64QAM	23060	50RB#0	8.951	9.740	PASS
BAND 12	10MHz	64QAM	23095	50RB#0	8.931	9.720	PASS
BAND 12	10MHz	64QAM	23130	50RB#0	8.911	9.700	PASS



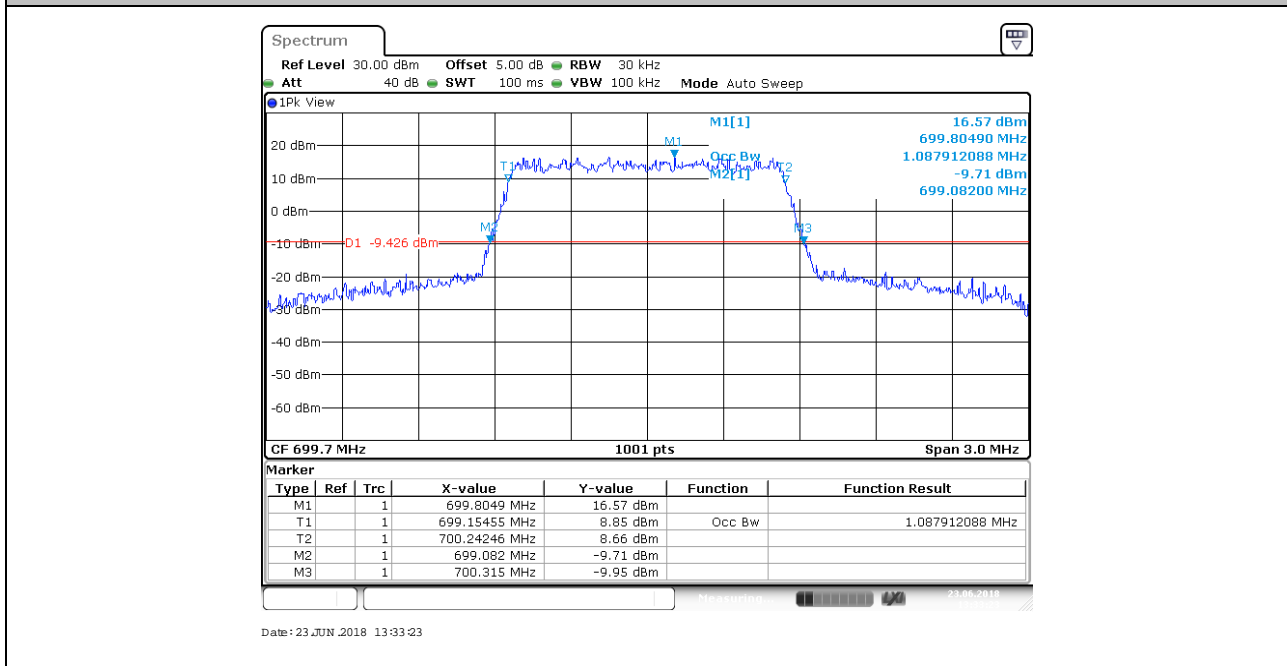
BAND 12	10MHz	16QAM	23060	50RB#0	8.951	9.680	PASS
BAND 12	10MHz	16QAM	23095	50RB#0	8.931	9.720	PASS
BAND 12	10MHz	16QAM	23130	50RB#0	8.911	9.620	PASS

4.2. Test Plots

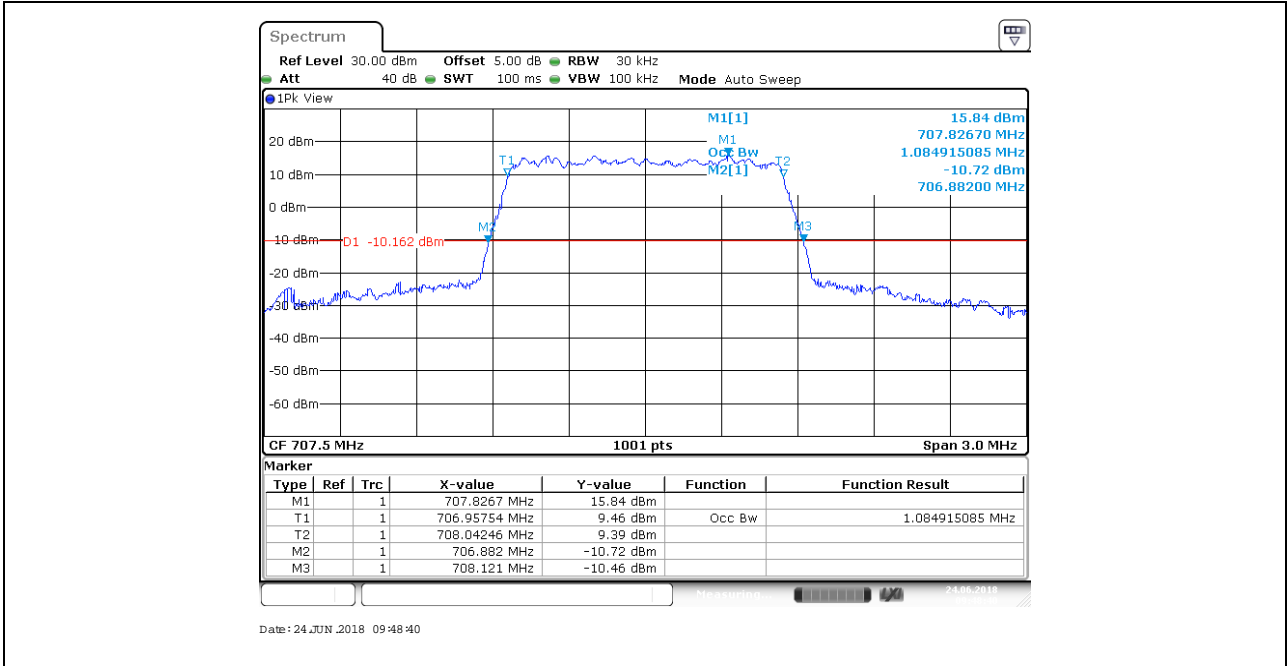




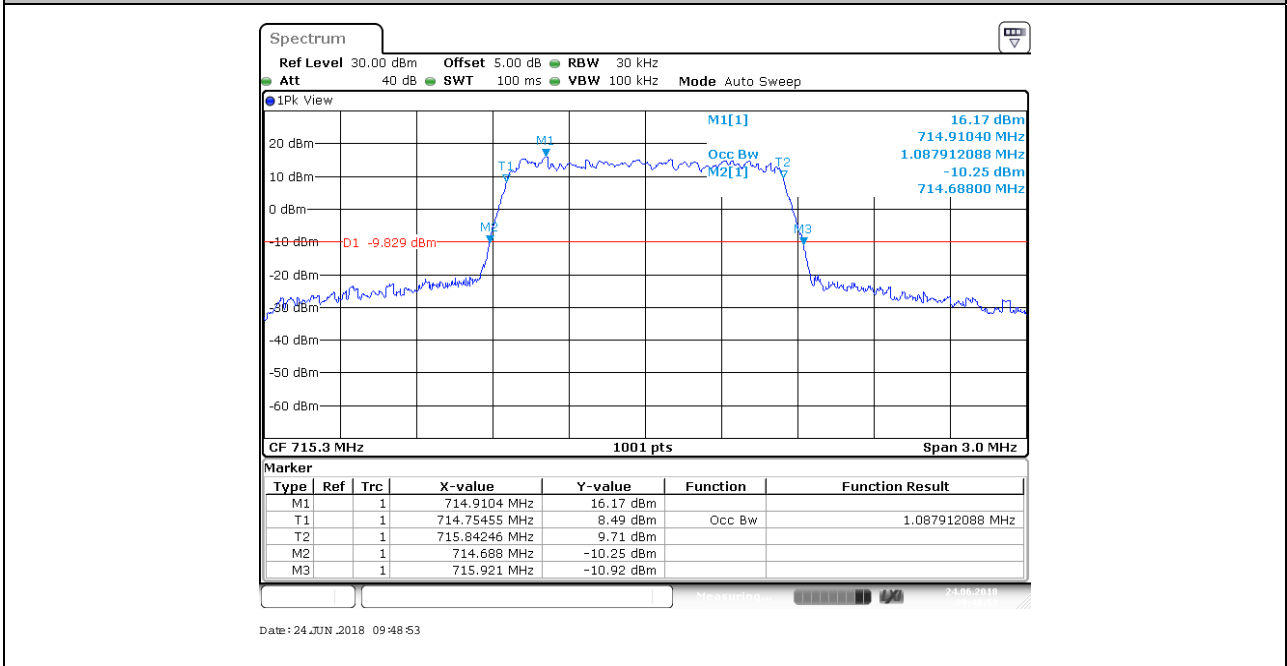
BAND 12_1.4MHz_64QAM_23017_6RB#0



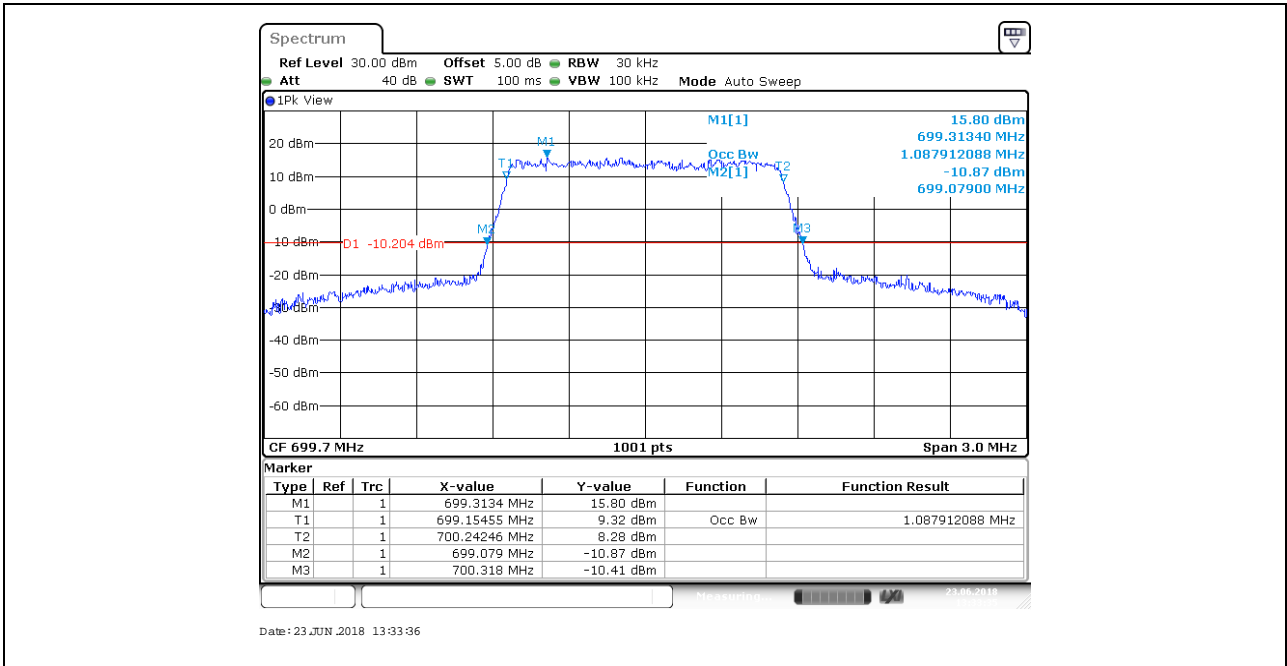
BAND 12_1.4MHz_64QAM_23095_6RB#0



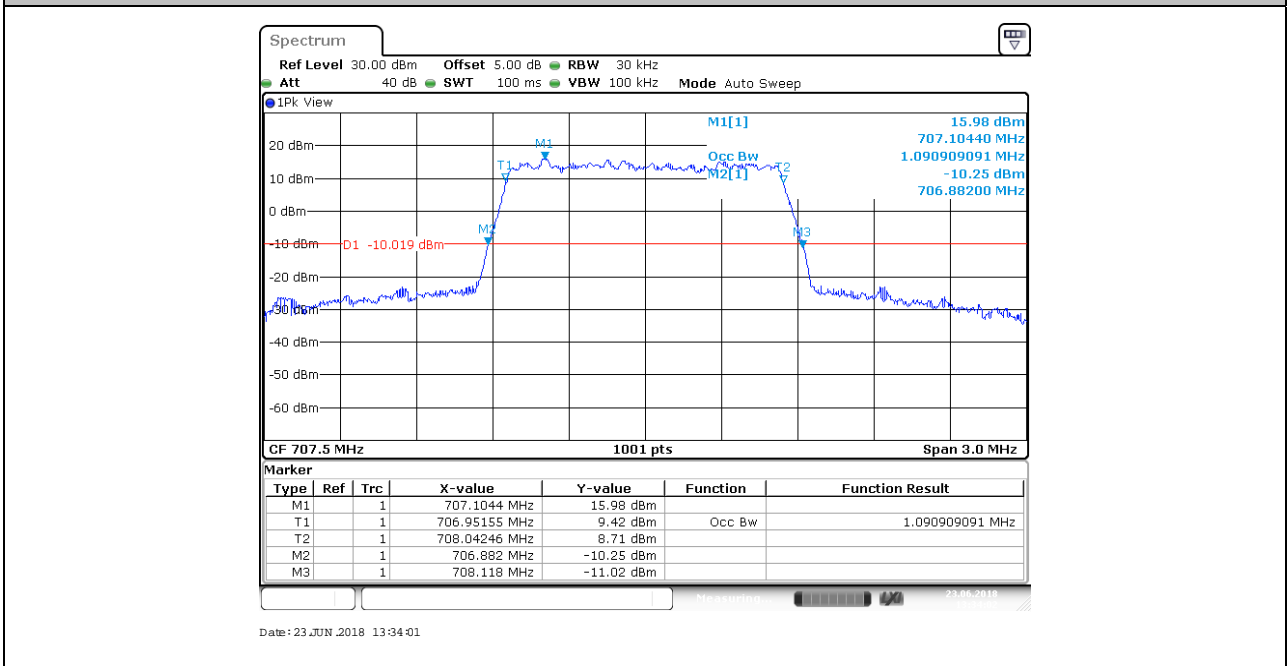
BAND 12_1.4MHz_64QAM_23173_6RB#0



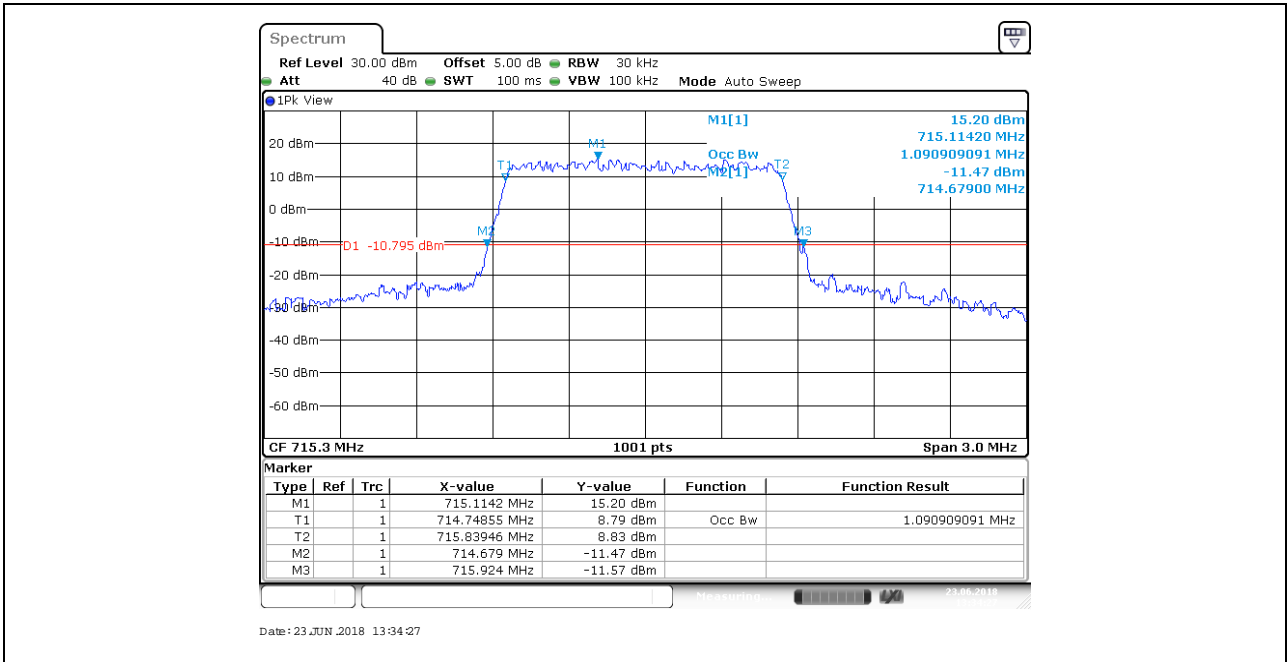
BAND 12_1.4MHz_16QAM_23017_6RB#0



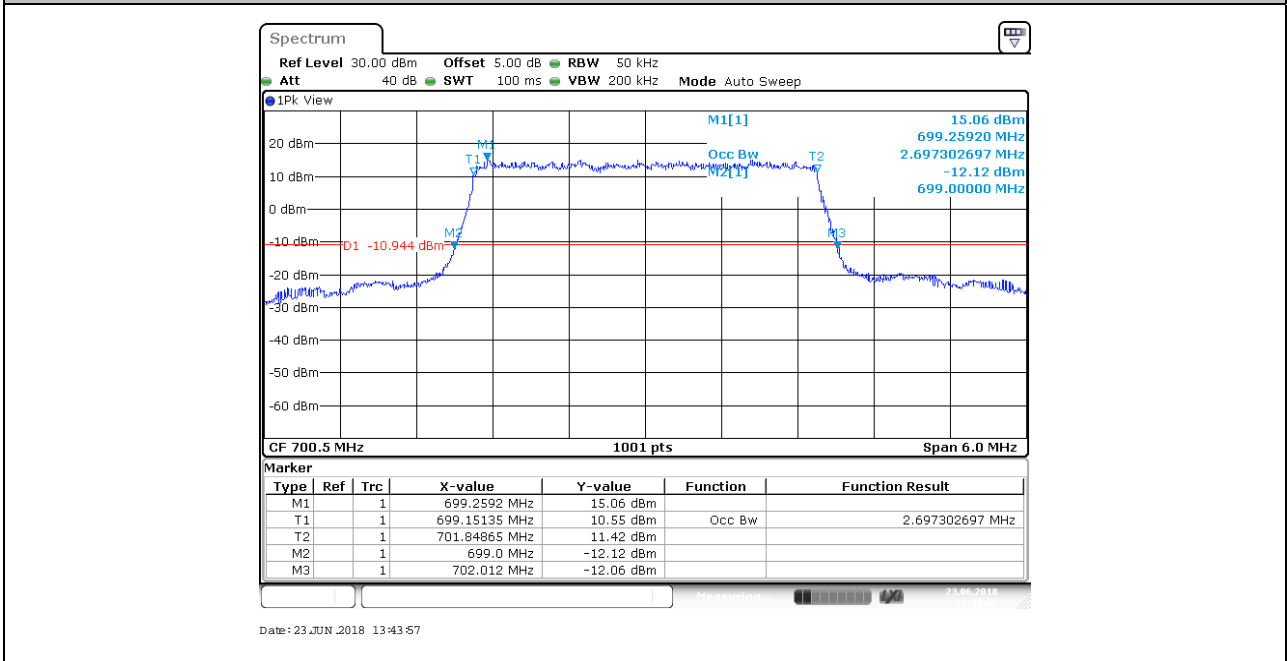
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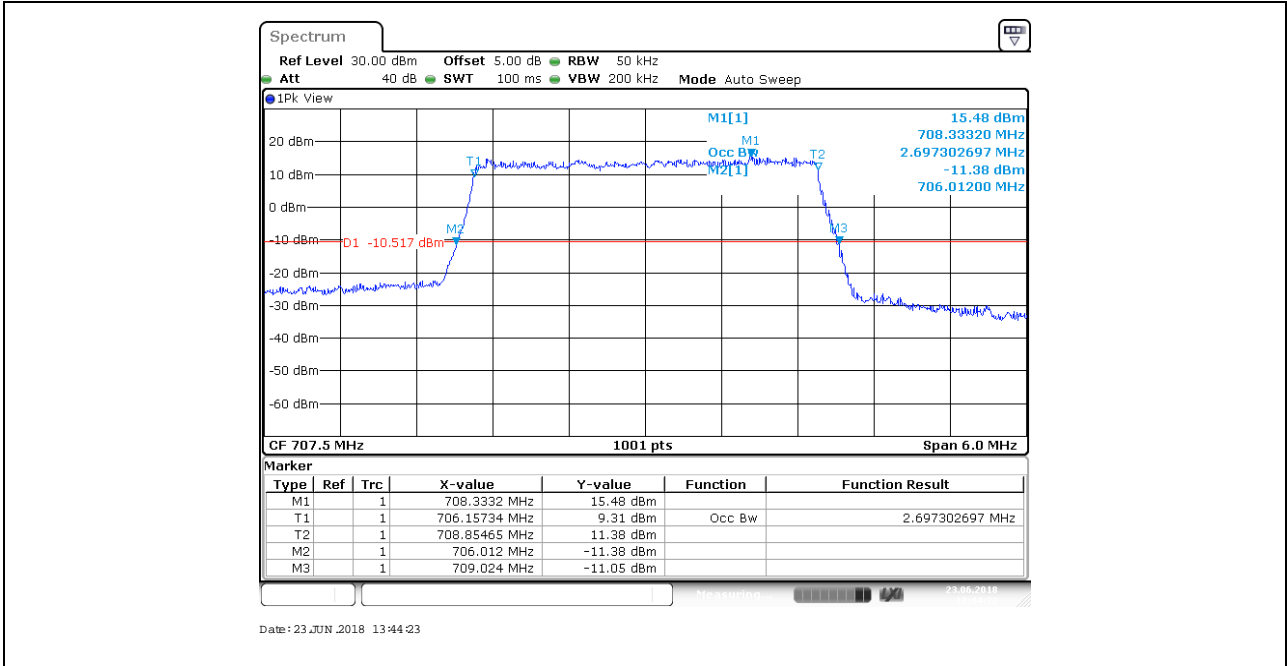
BAND 12_1.4MHz_16QAM_23173_6RB#0



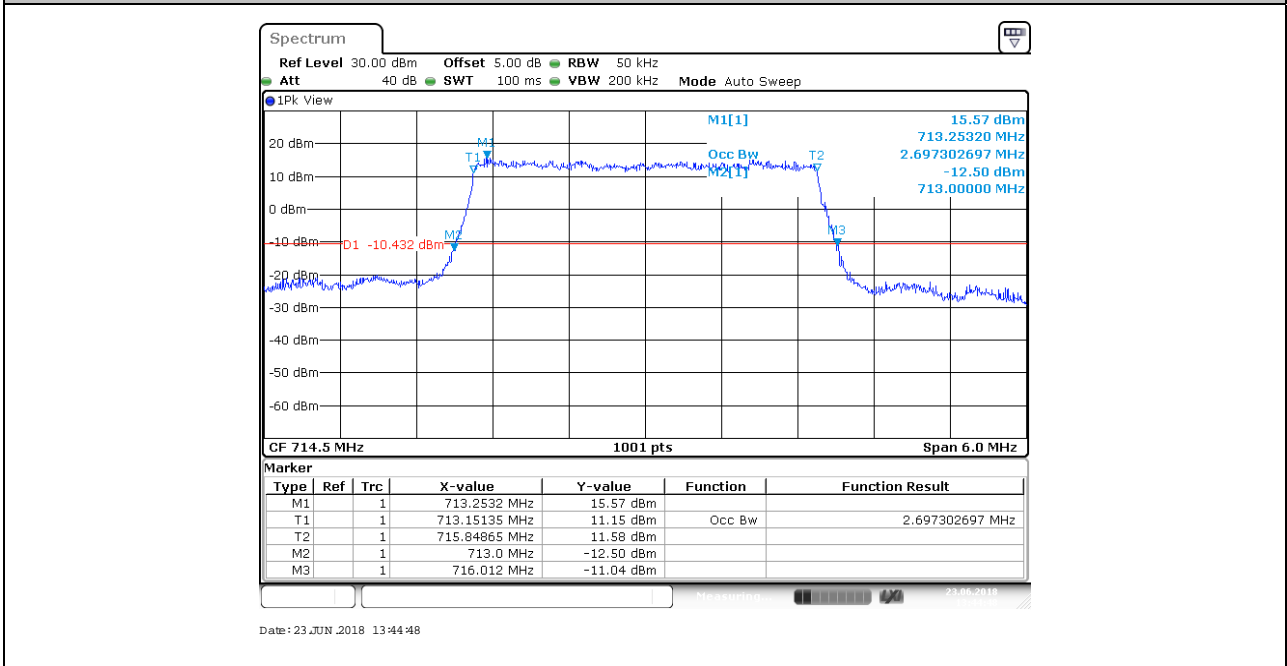
BAND 12_3MHz_QPSK_23025_15RB#0



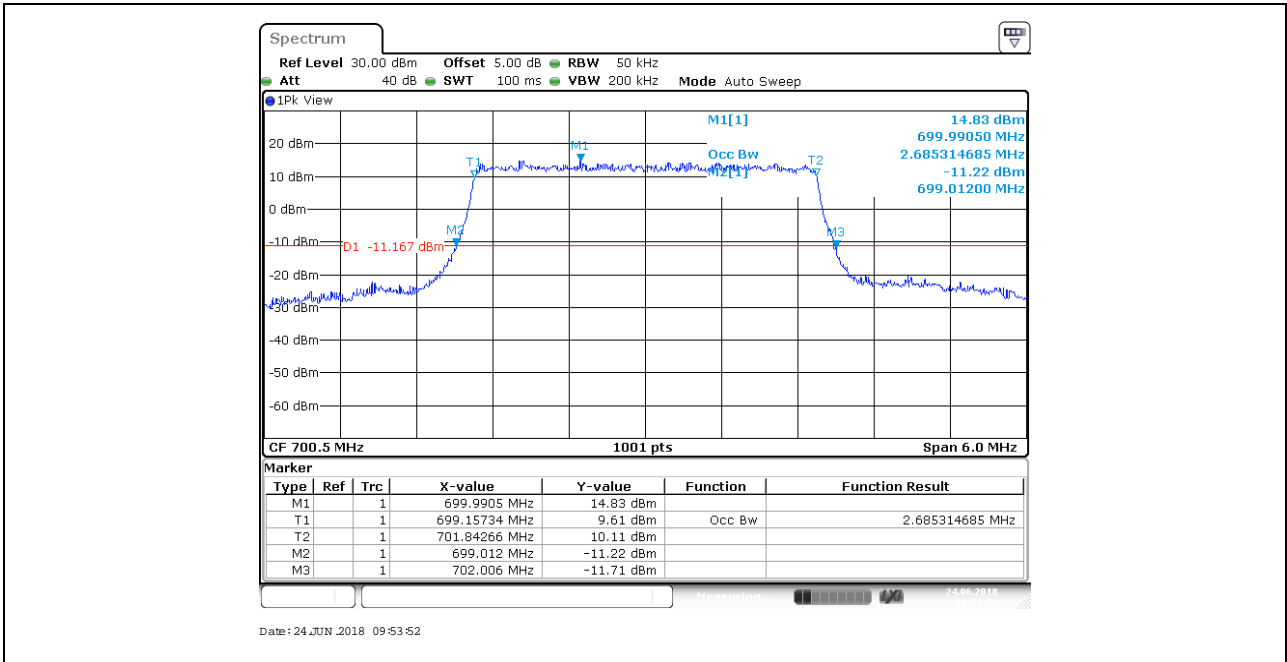
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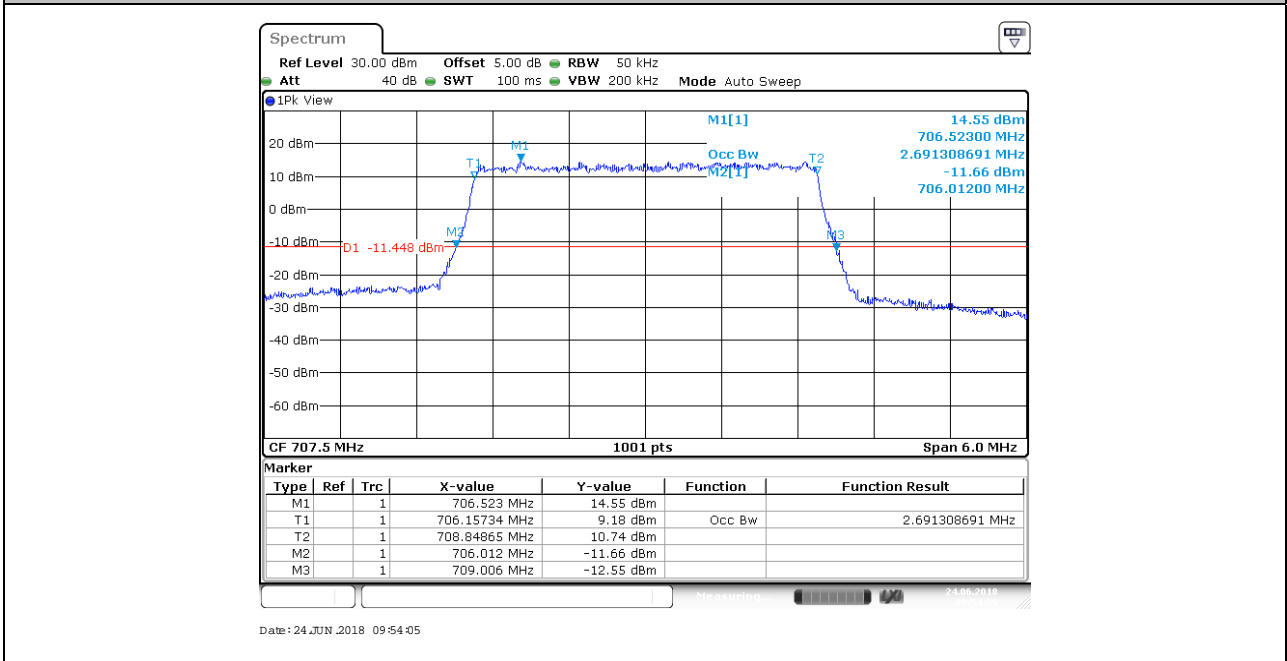
BAND 12_3MHz_QPSK_23165_15RB#0



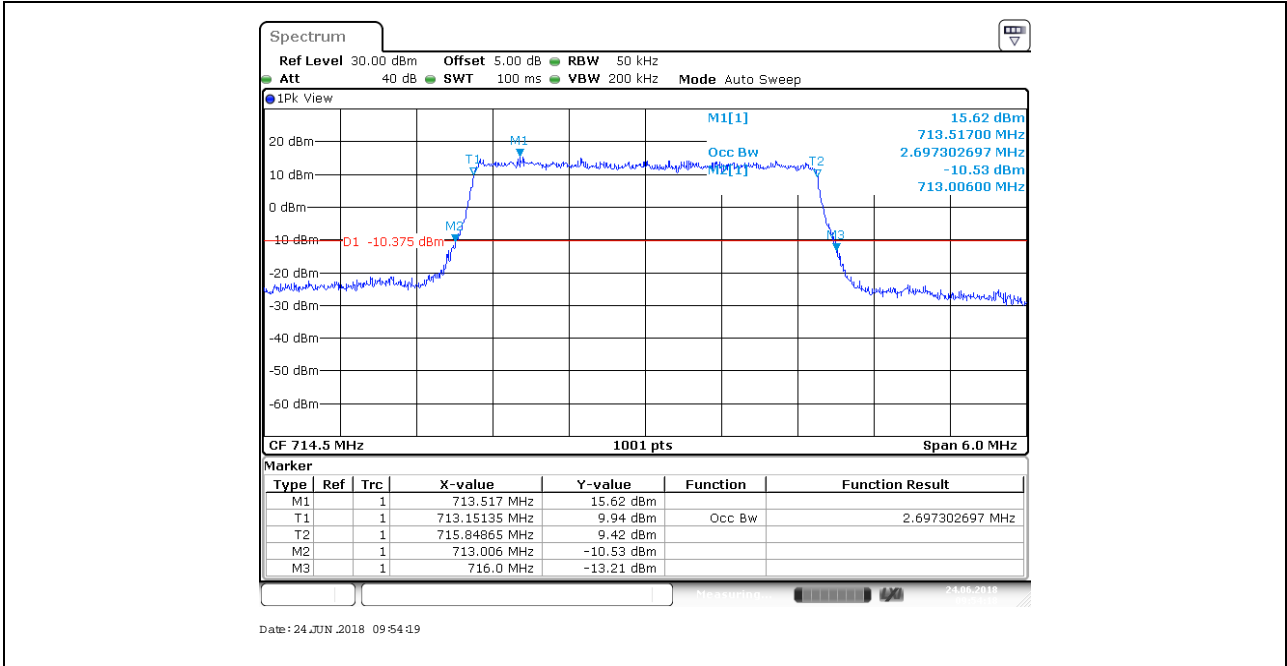
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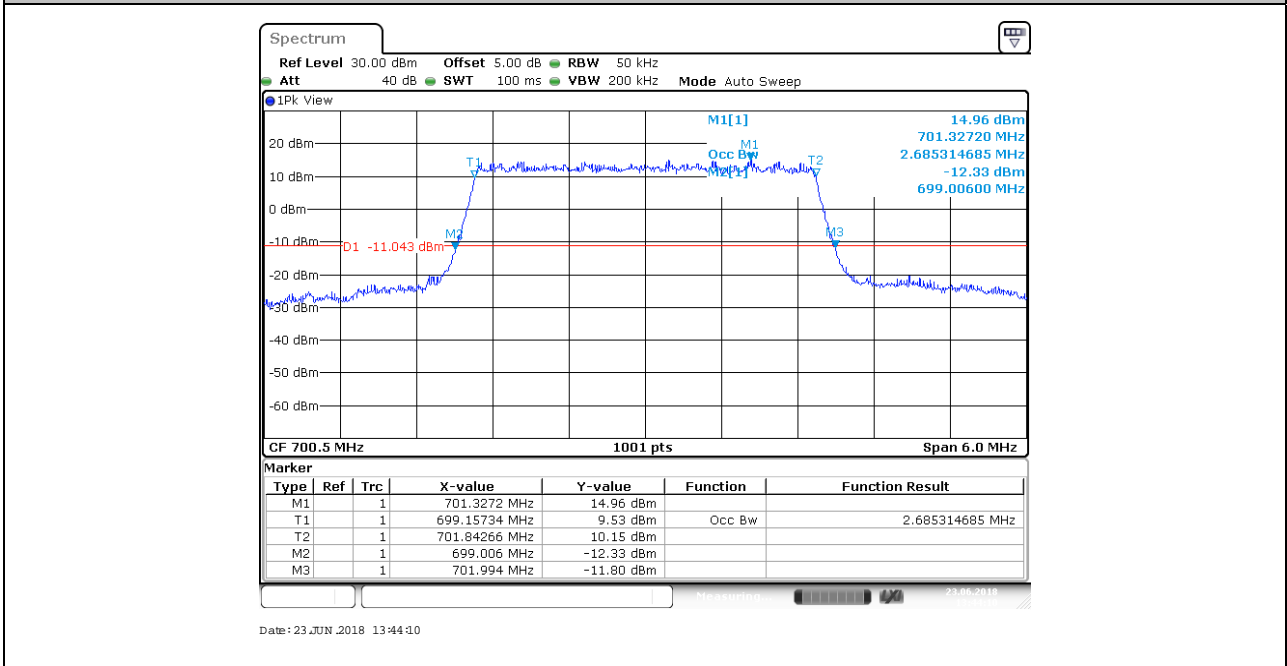
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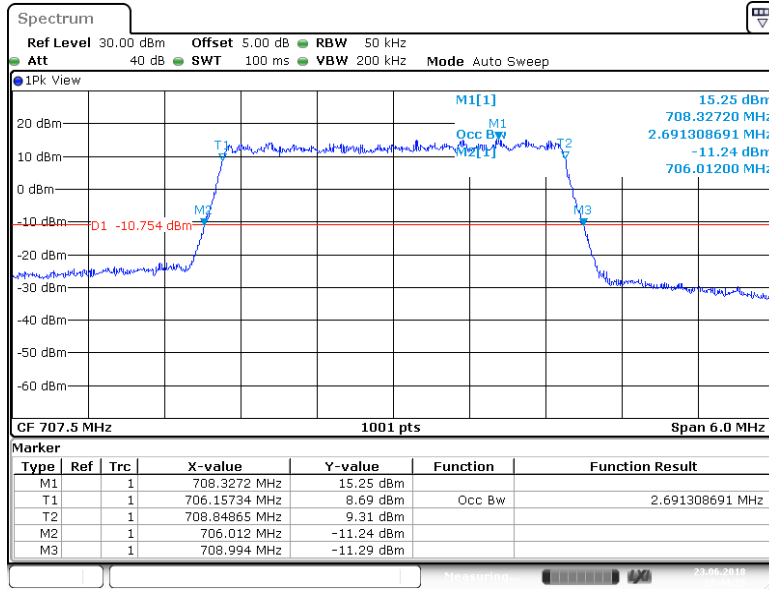
BAND 12_3MHz_64QAM_23165_15RB#0



BAND 12_3MHz_16QAM_23025_15RB#0

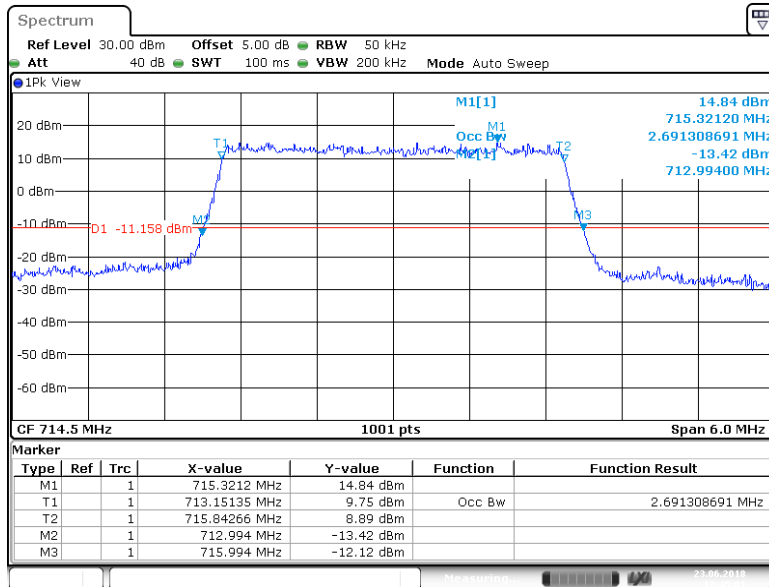


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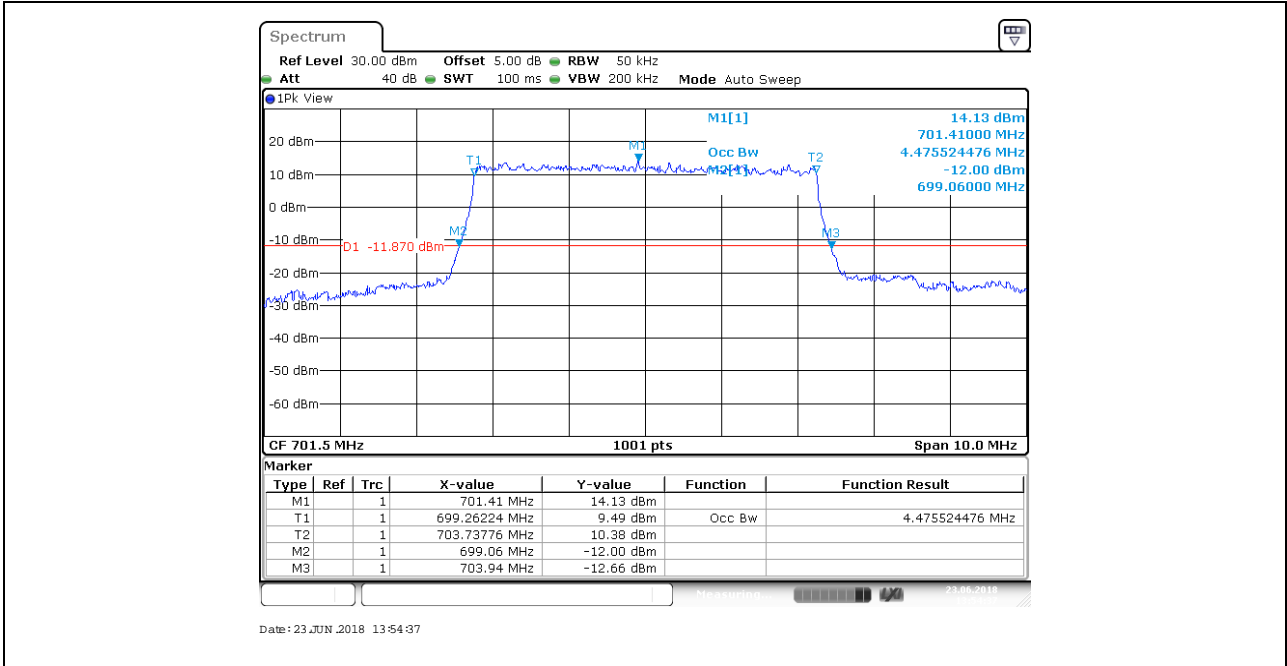
Date: 23 JUN .2018 13:44:35

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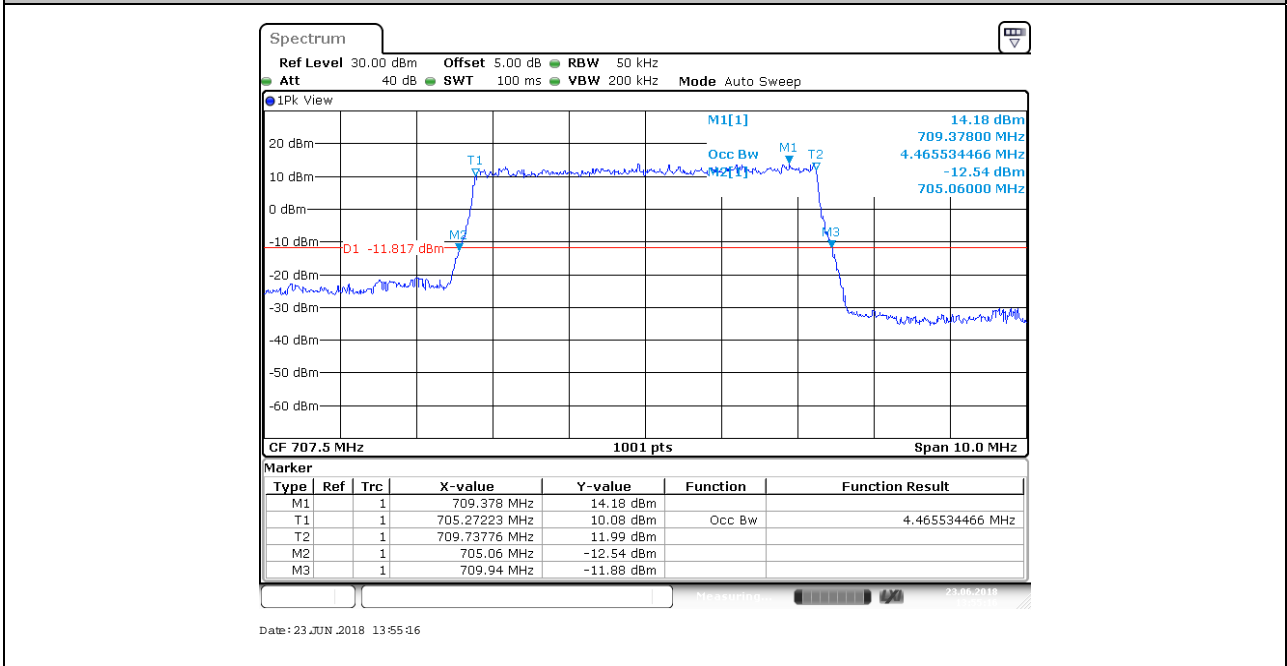


Date: 23 JUN .2018 13:45:01

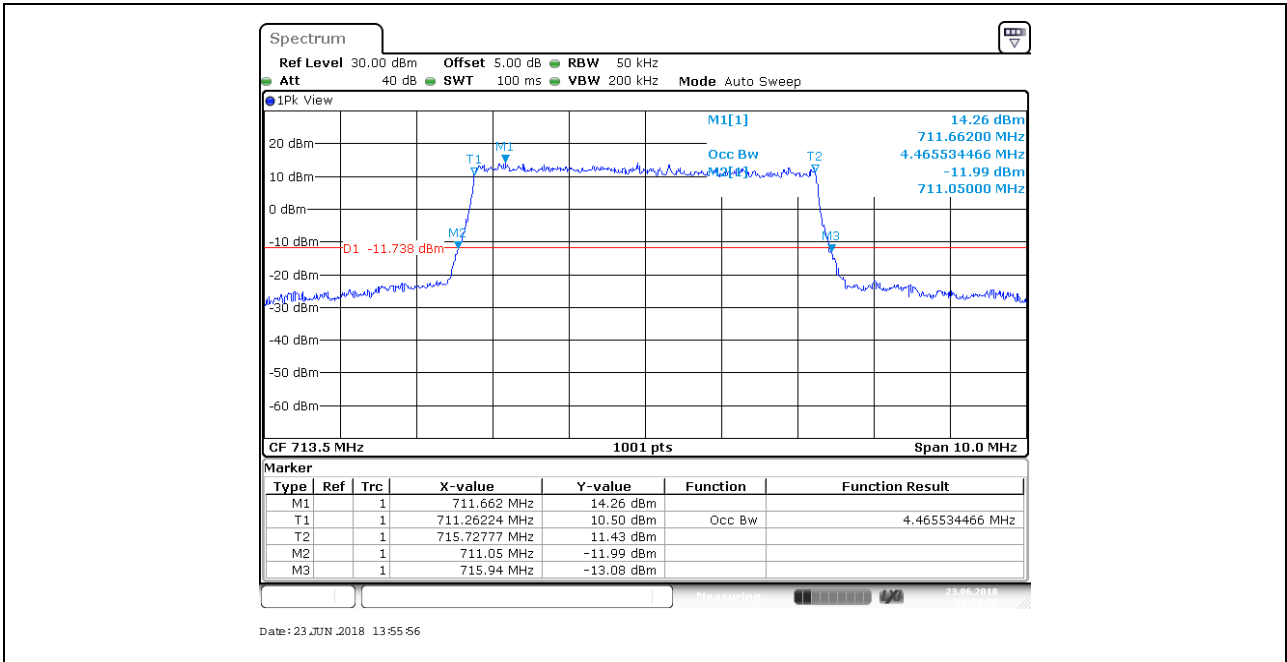
BAND 12_5MHz_QPSK_23035_25RB#0



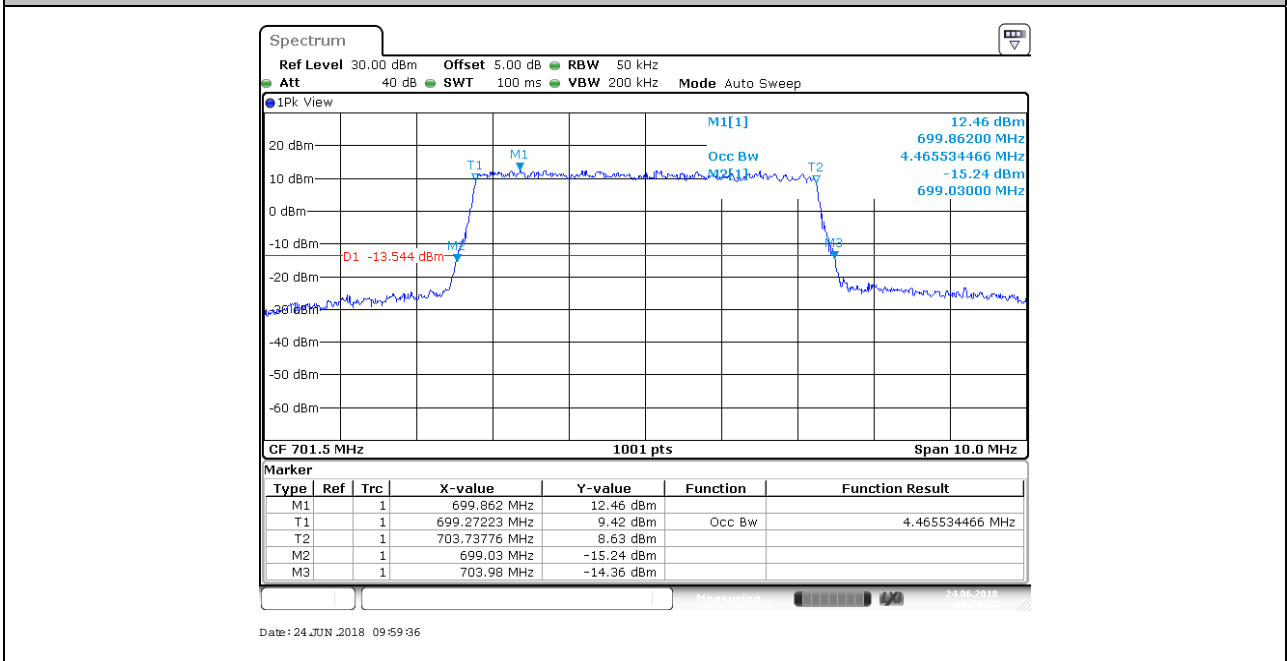
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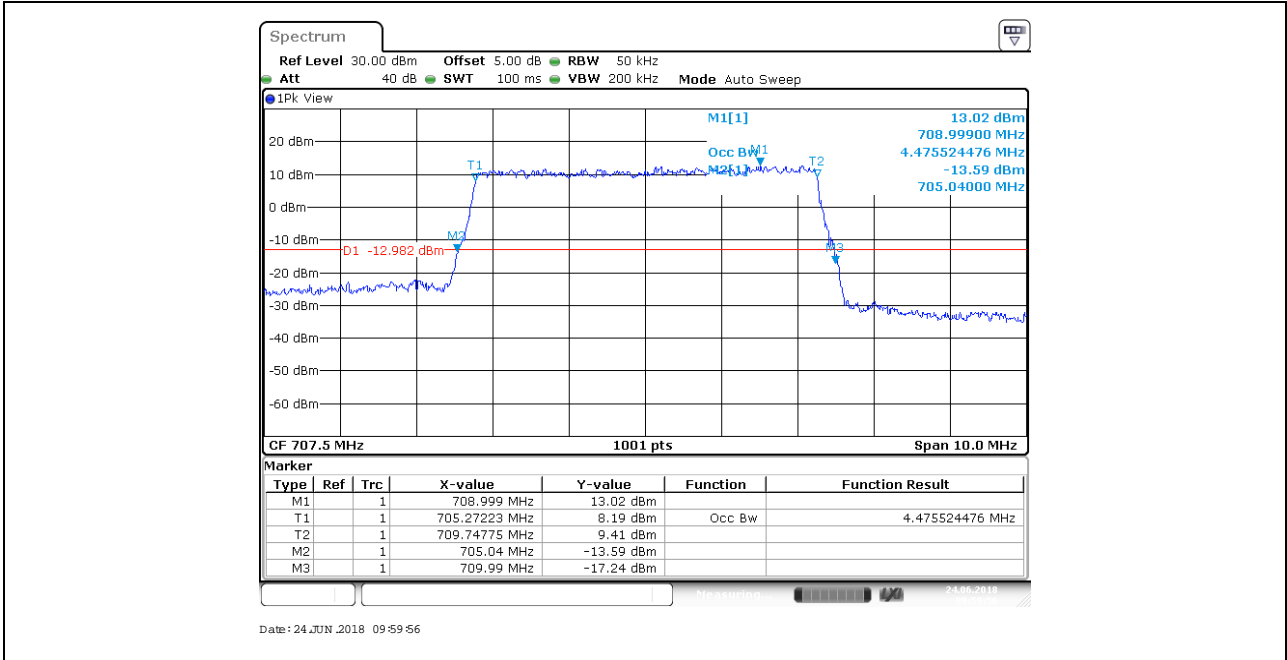
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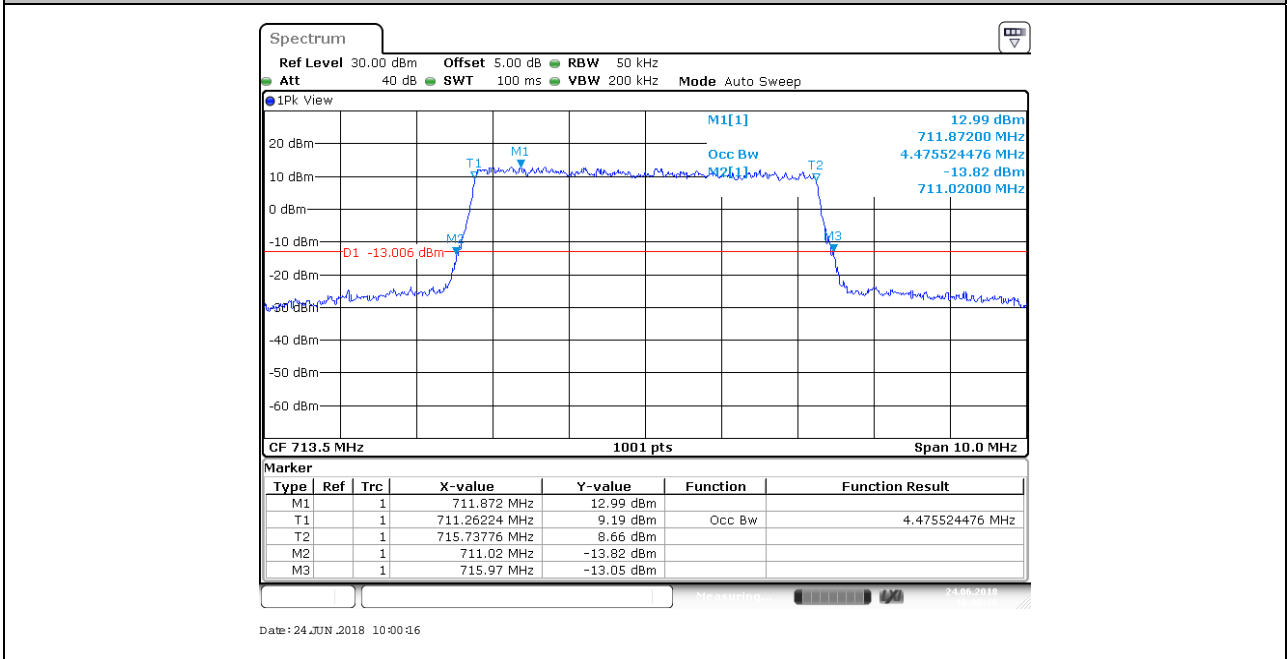
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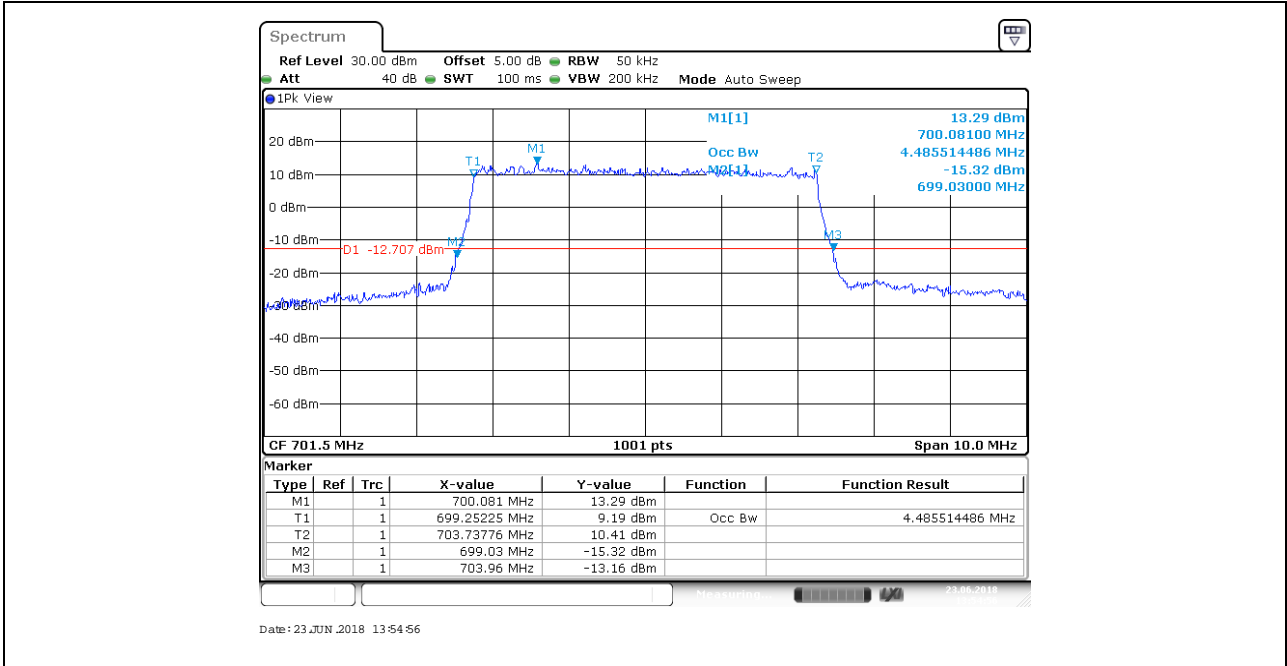
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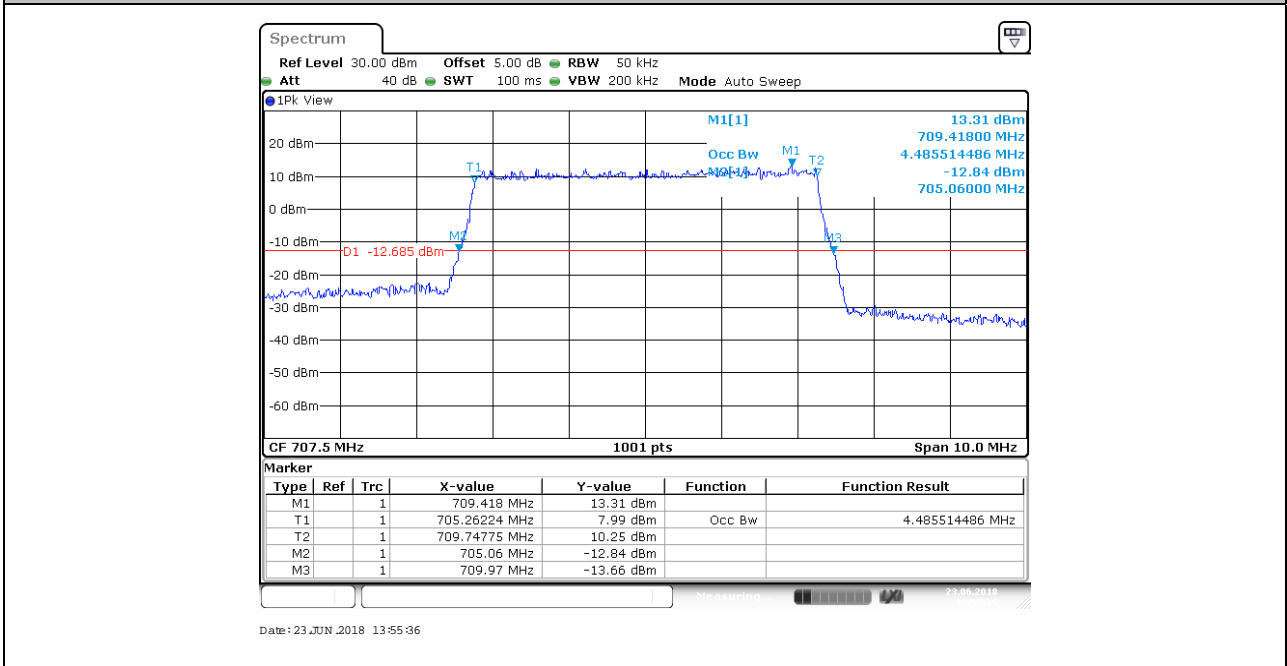
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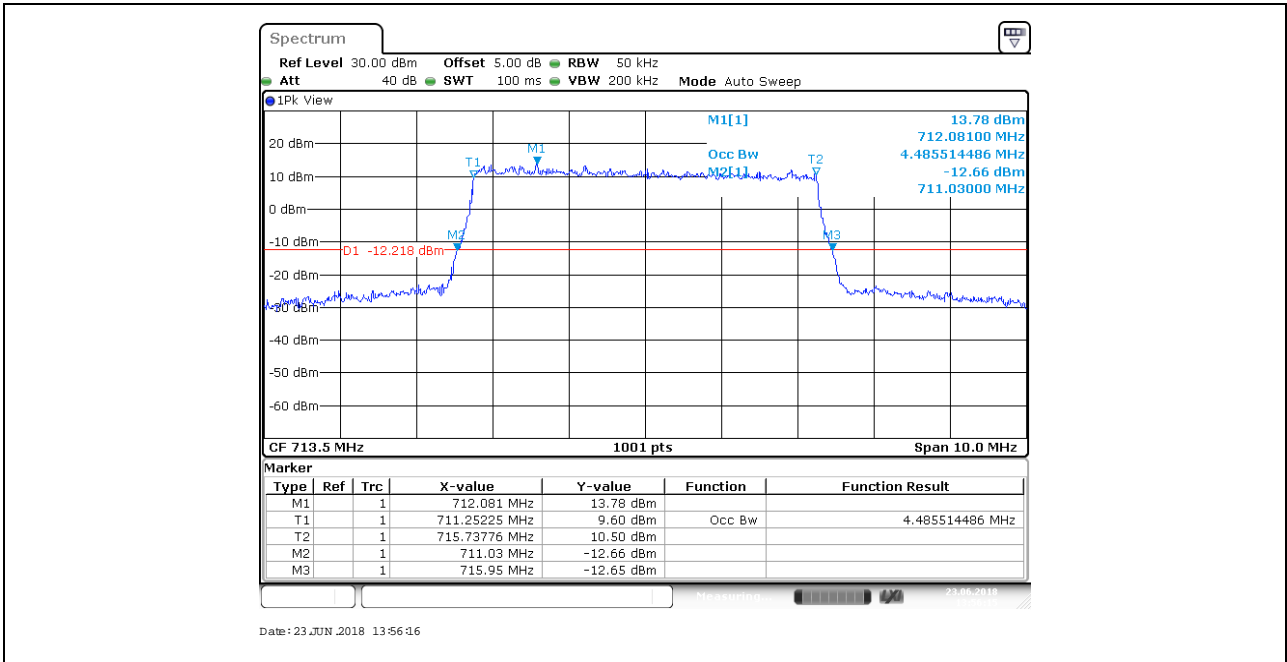
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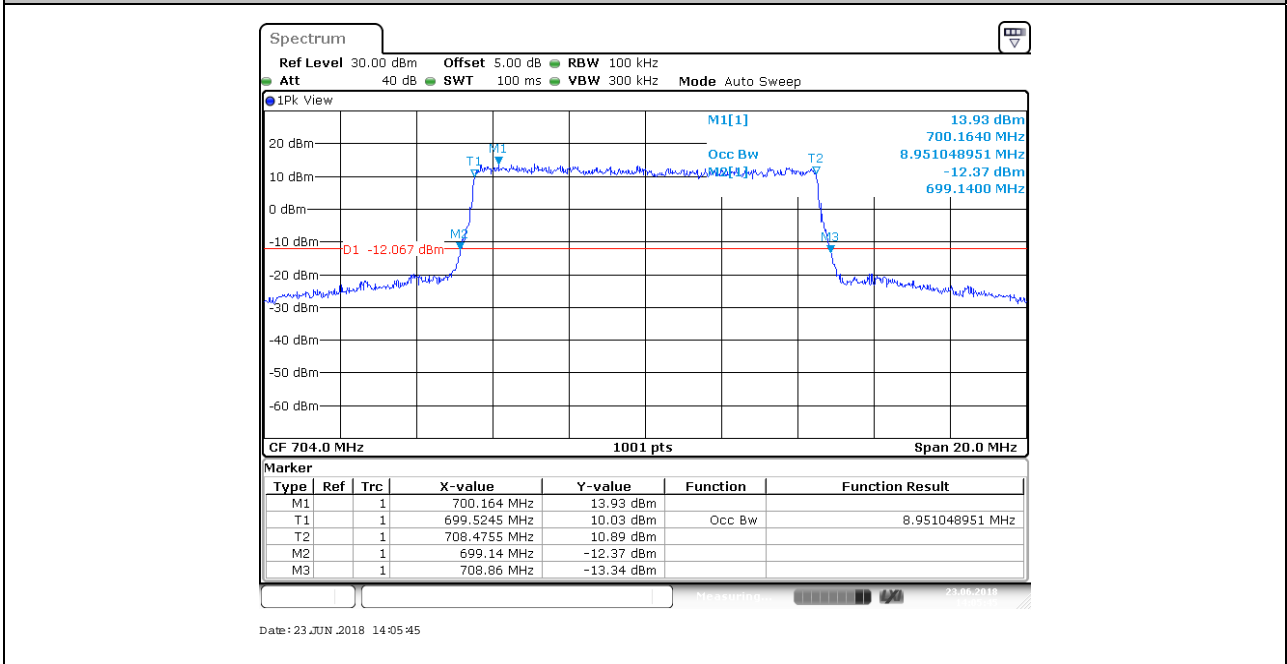
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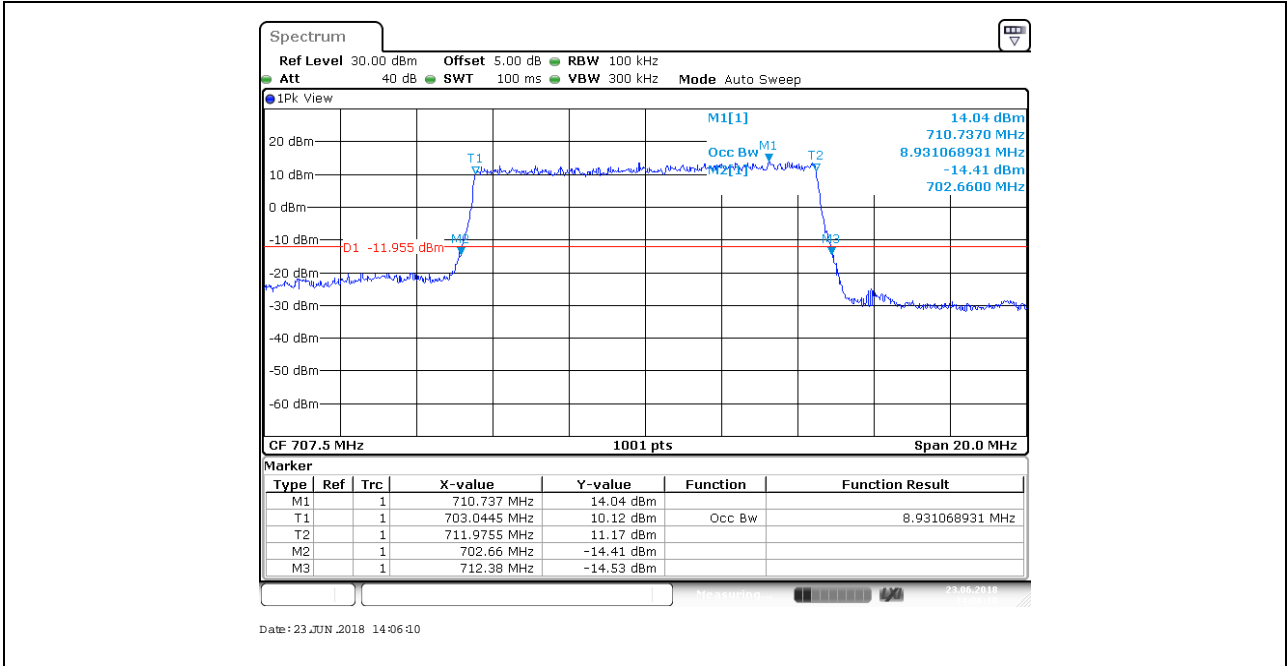
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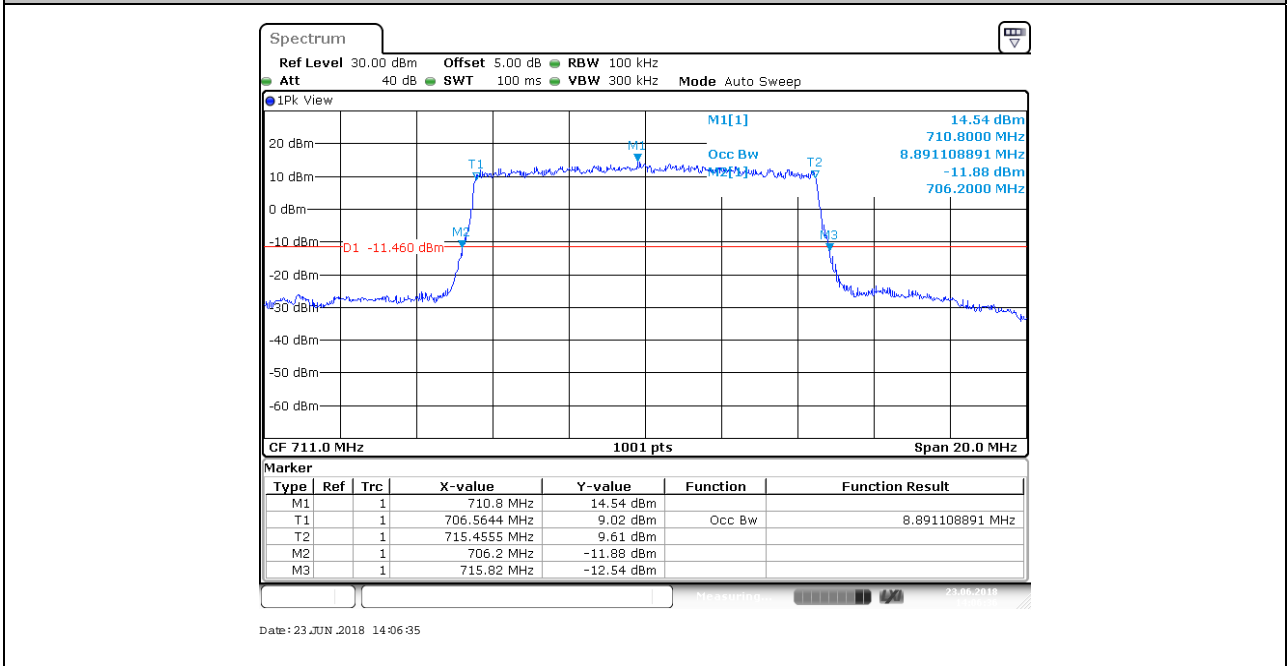
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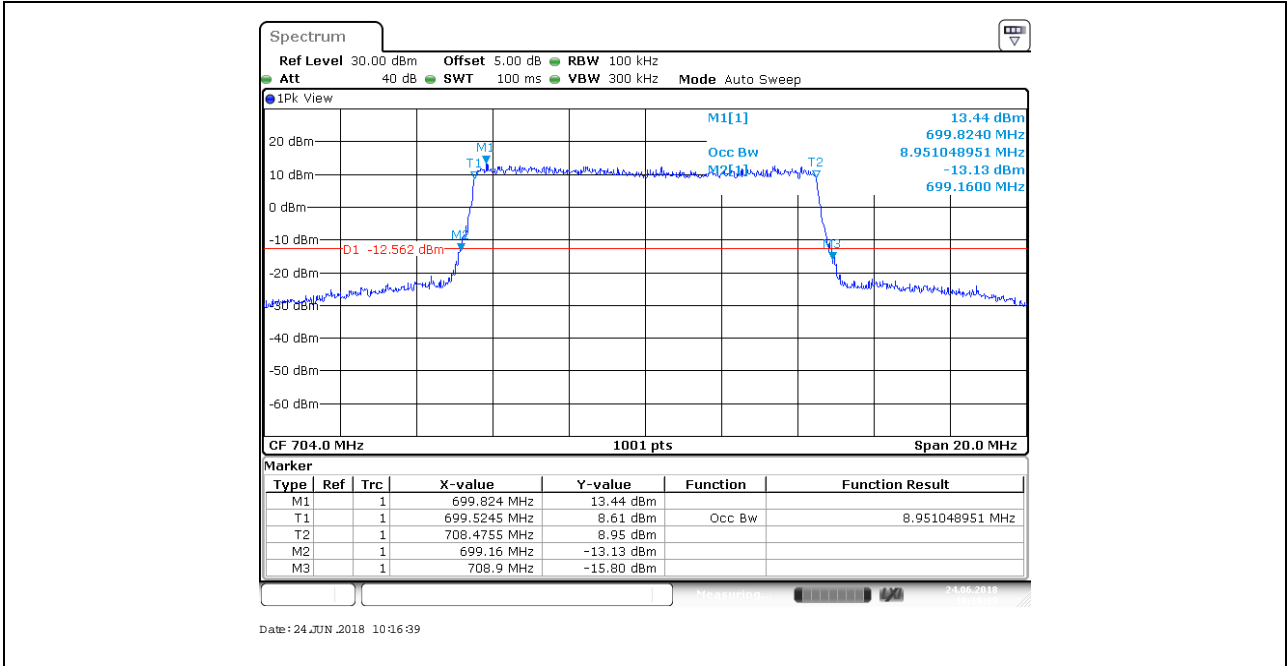
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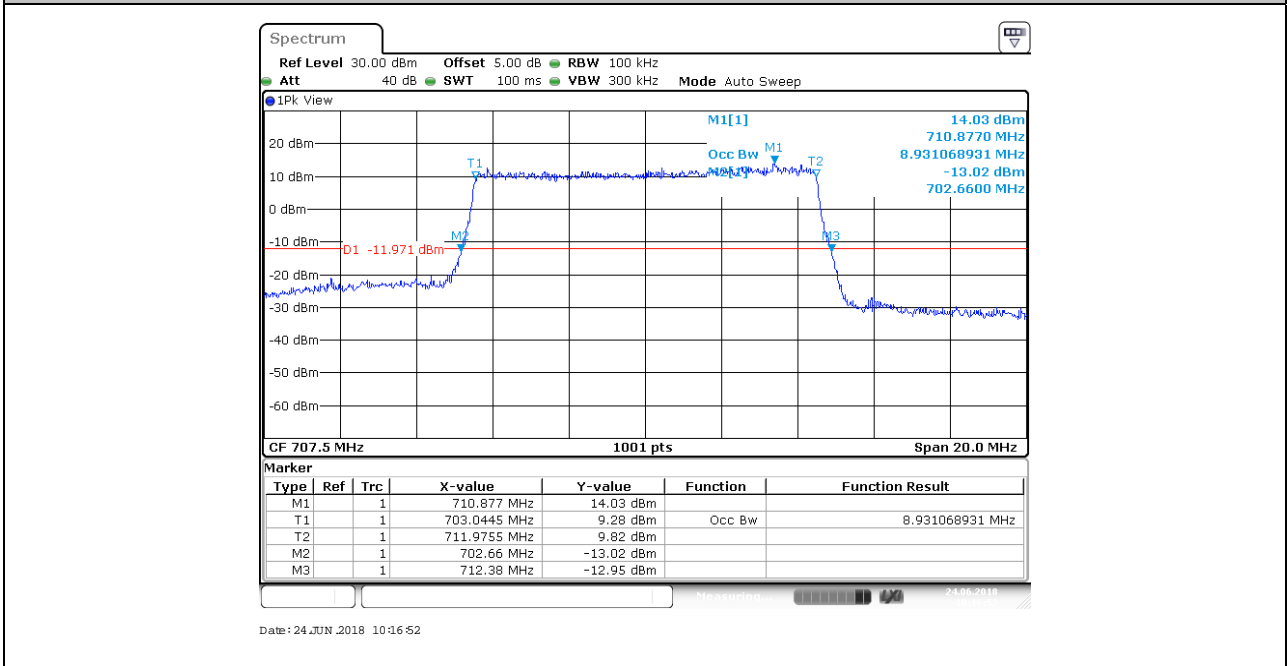
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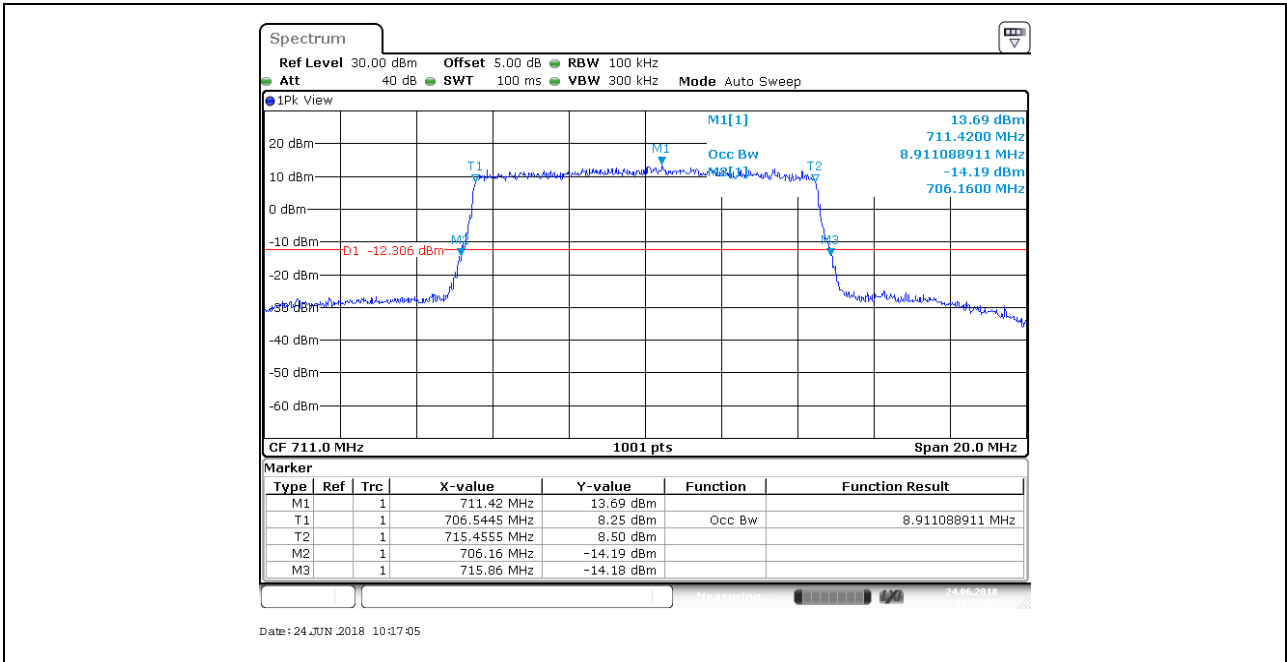
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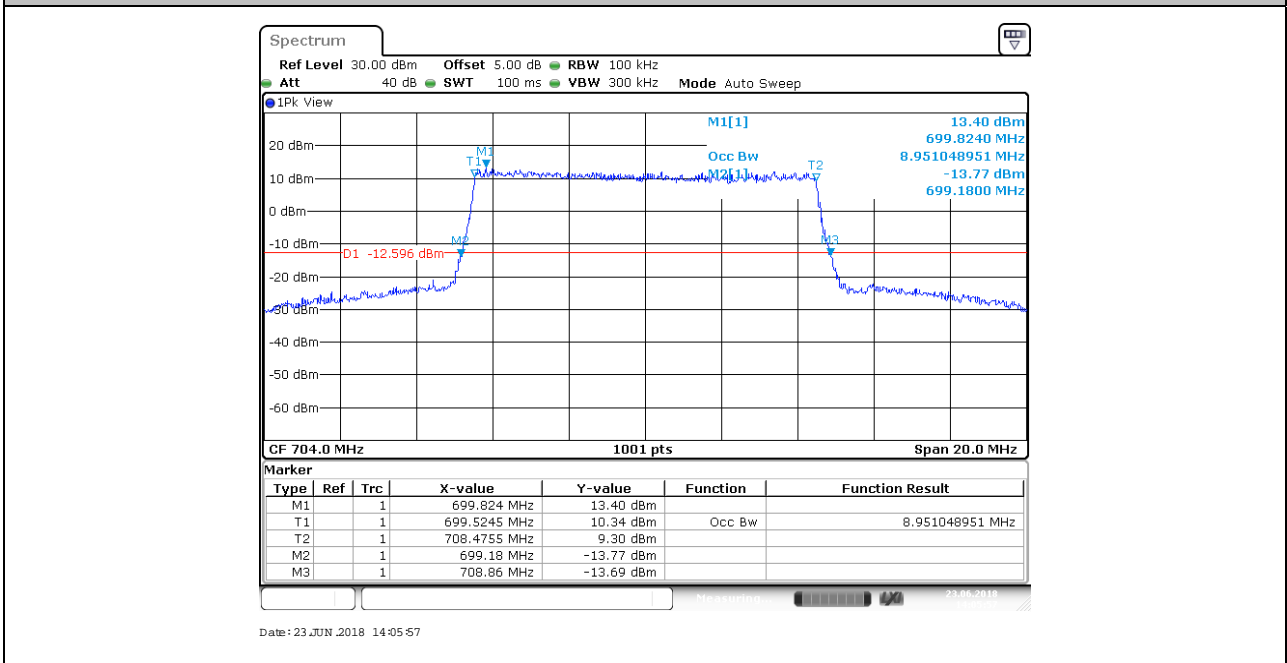
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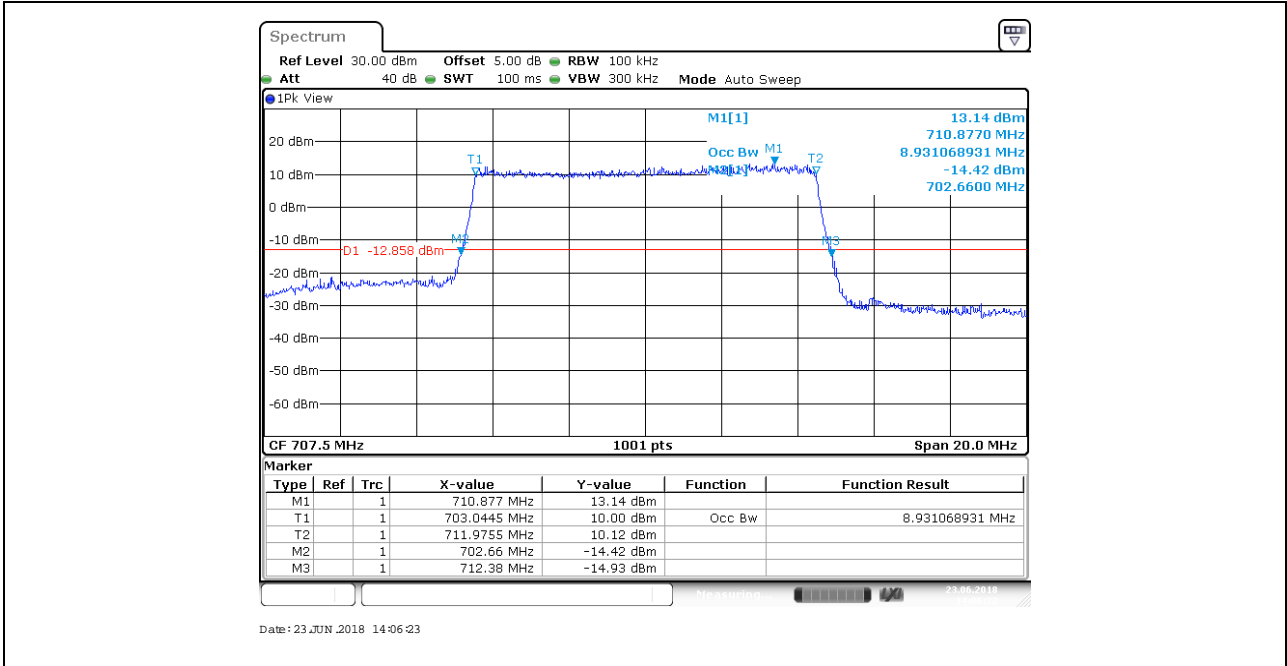
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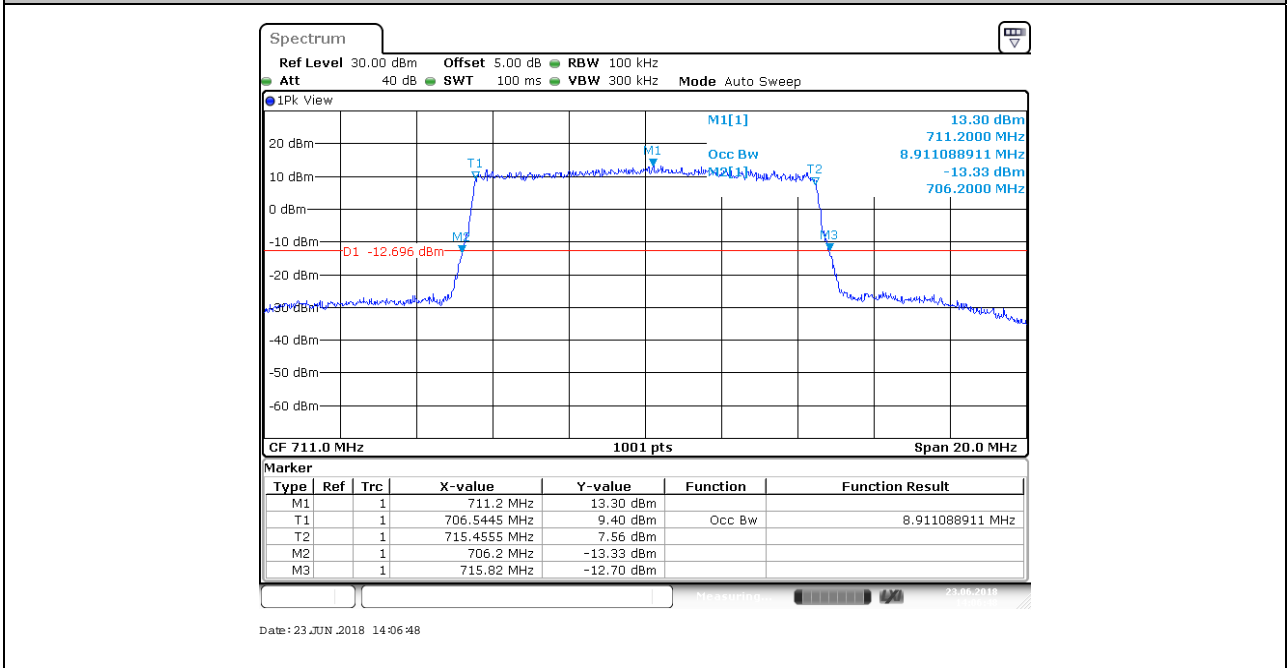
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BAND 12_10MHz_16QAM_23095_50RB#0



BAND 12_10MHz_16QAM_23130_50RB#0





5. Band Edge Compliance

5.1. Test Result

BAND	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
BAND 12	1.4MHz	QPSK	23017	1RB#0	-25.68	PASS
BAND 12	1.4MHz	QPSK	23017	1RB#5	-42.73	PASS
BAND 12	1.4MHz	QPSK	23017	6RB#0	-29.46	PASS
BAND 12	1.4MHz	QPSK	23173	1RB#0	-44.69	PASS
BAND 12	1.4MHz	QPSK	23173	1RB#5	-27.84	PASS
BAND 12	1.4MHz	QPSK	23173	6RB#0	-30.98	PASS
BAND 12	1.4MHz	64QAM	23017	1RB#0	-25.97	PASS
BAND 12	1.4MHz	64QAM	23017	1RB#5	-43.17	PASS
BAND 12	1.4MHz	64QAM	23017	6RB#0	-30.84	PASS
BAND 12	1.4MHz	64QAM	23173	1RB#0	-44.59	PASS
BAND 12	1.4MHz	64QAM	23173	1RB#5	-27.42	PASS
BAND 12	1.4MHz	64QAM	23173	6RB#0	-30.57	PASS
BAND 12	1.4MHz	16QAM	23017	1RB#0	-26.23	PASS
BAND 12	1.4MHz	16QAM	23017	1RB#5	-43.43	PASS
BAND 12	1.4MHz	16QAM	23017	6RB#0	-31.33	PASS
BAND 12	1.4MHz	16QAM	23173	1RB#0	-45.19	PASS
BAND 12	1.4MHz	16QAM	23173	1RB#5	-29.06	PASS
BAND 12	1.4MHz	16QAM	23173	6RB#0	-31.07	PASS
BAND 12	3MHz	QPSK	23025	1RB#0	-13.78	PASS
BAND 12	3MHz	QPSK	23025	1RB#14	-44.82	PASS
BAND 12	3MHz	QPSK	23025	15RB#0	-24.09	PASS
BAND 12	3MHz	QPSK	23165	1RB#0	-48.50	PASS
BAND 12	3MHz	QPSK	23165	1RB#14	-16.21	PASS
BAND 12	3MHz	QPSK	23165	15RB#0	-23.43	PASS
BAND 12	3MHz	64QAM	23025	1RB#0	-15.37	PASS
BAND 12	3MHz	64QAM	23025	1RB#14	-47.65	PASS
BAND 12	3MHz	64QAM	23025	15RB#0	-23.85	PASS
BAND 12	3MHz	64QAM	23165	1RB#0	-48.18	PASS
BAND 12	3MHz	64QAM	23165	1RB#14	-16.52	PASS
BAND 12	3MHz	64QAM	23165	15RB#0	-25.57	PASS
BAND 12	3MHz	16QAM	23025	1RB#0	-14.50	PASS
BAND 12	3MHz	16QAM	23025	1RB#14	-43.85	PASS
BAND 12	3MHz	16QAM	23025	15RB#0	-25.03	PASS
BAND 12	3MHz	16QAM	23165	1RB#0	-47.67	PASS
BAND 12	3MHz	16QAM	23165	1RB#14	-15.84	PASS

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Shenzhen Branch

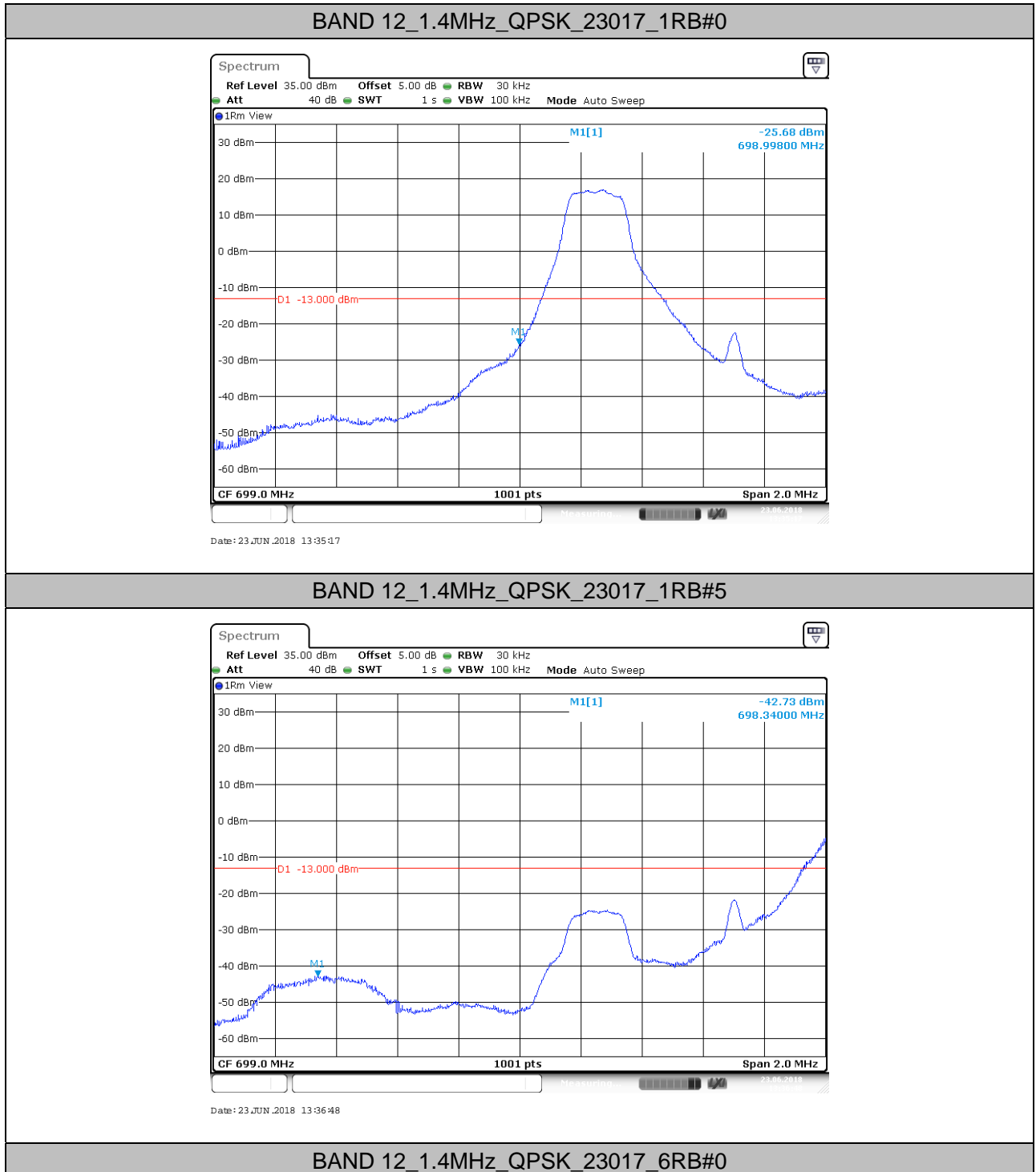
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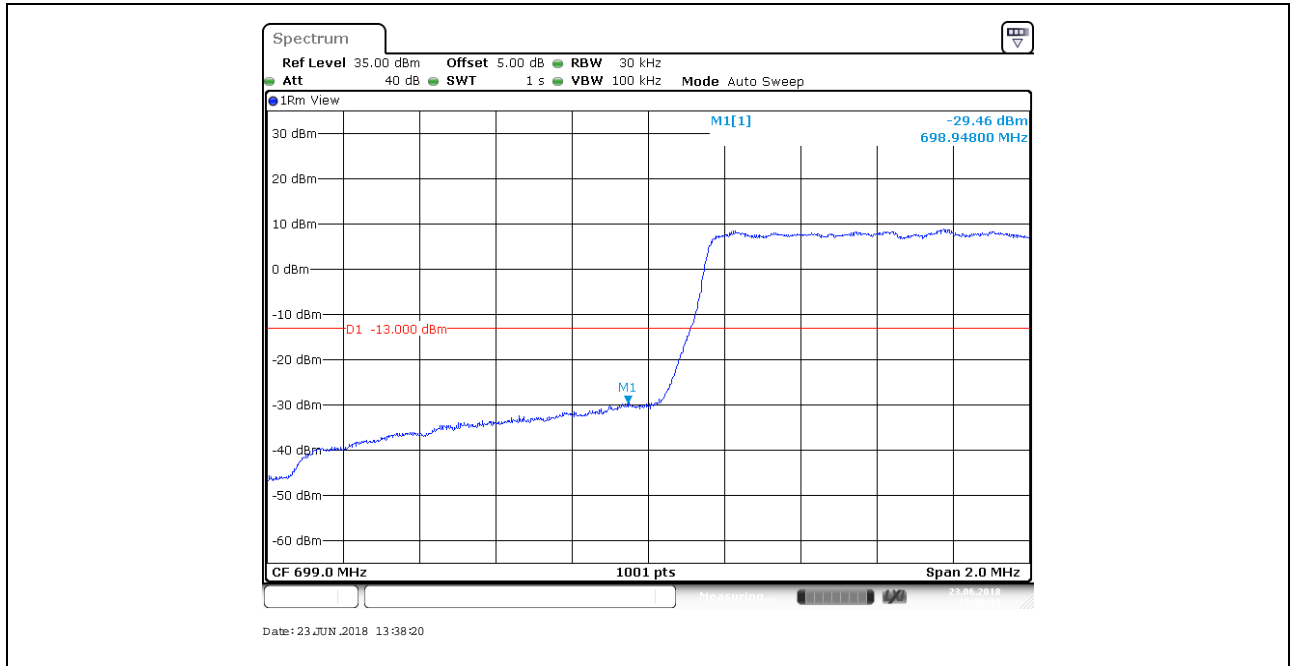
Page: 38 of 107

BAND 12	3MHz	16QAM	23165	15RB#0	-24.89	PASS
BAND 12	5MHz	QPSK	23035	1RB#0	-22.15	PASS
BAND 12	5MHz	QPSK	23035	1RB#24	-54.10	PASS
BAND 12	5MHz	QPSK	23035	25RB#0	-27.82	PASS
BAND 12	5MHz	QPSK	23155	1RB#0	-55.07	PASS
BAND 12	5MHz	QPSK	23155	1RB#24	-22.07	PASS
BAND 12	5MHz	QPSK	23155	25RB#0	-29.49	PASS
BAND 12	5MHz	64QAM	23035	1RB#0	-21.06	PASS
BAND 12	5MHz	64QAM	23035	1RB#24	-53.89	PASS
BAND 12	5MHz	64QAM	23035	25RB#0	-29.91	PASS
BAND 12	5MHz	64QAM	23155	1RB#0	-55.59	PASS
BAND 12	5MHz	64QAM	23155	1RB#24	-22.16	PASS
BAND 12	5MHz	64QAM	23155	25RB#0	-30.24	PASS
BAND 12	5MHz	16QAM	23035	1RB#0	-22.42	PASS
BAND 12	5MHz	16QAM	23035	1RB#24	-53.12	PASS
BAND 12	5MHz	16QAM	23035	25RB#0	-29.35	PASS
BAND 12	5MHz	16QAM	23155	1RB#0	-55.60	PASS
BAND 12	5MHz	16QAM	23155	1RB#24	-22.17	PASS
BAND 12	5MHz	16QAM	23155	25RB#0	-30.08	PASS
BAND 12	10MHz	QPSK	23060	1RB#0	-31.62	PASS
BAND 12	10MHz	QPSK	23060	1RB#49	-48.49	PASS
BAND 12	10MHz	QPSK	23060	50RB#0	-28.11	PASS
BAND 12	10MHz	QPSK	23130	1RB#0	-49.21	PASS
BAND 12	10MHz	QPSK	23130	1RB#49	-31.28	PASS
BAND 12	10MHz	QPSK	23130	50RB#0	-32.25	PASS
BAND 12	10MHz	64QAM	23060	1RB#0	-32.16	PASS
BAND 12	10MHz	64QAM	23060	1RB#49	-49.49	PASS
BAND 12	10MHz	64QAM	23060	50RB#0	-30.19	PASS
BAND 12	10MHz	64QAM	23130	1RB#0	-49.89	PASS
BAND 12	10MHz	64QAM	23130	1RB#49	-32.03	PASS
BAND 12	10MHz	64QAM	23130	50RB#0	-33.25	PASS
BAND 12	10MHz	16QAM	23060	1RB#0	-31.72	PASS
BAND 12	10MHz	16QAM	23060	1RB#49	-48.73	PASS
BAND 12	10MHz	16QAM	23060	50RB#0	-30.08	PASS
BAND 12	10MHz	16QAM	23130	1RB#0	-49.60	PASS
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BAND 12	10MHz	16QAM	23130	50RB#0	-33.72	PASS

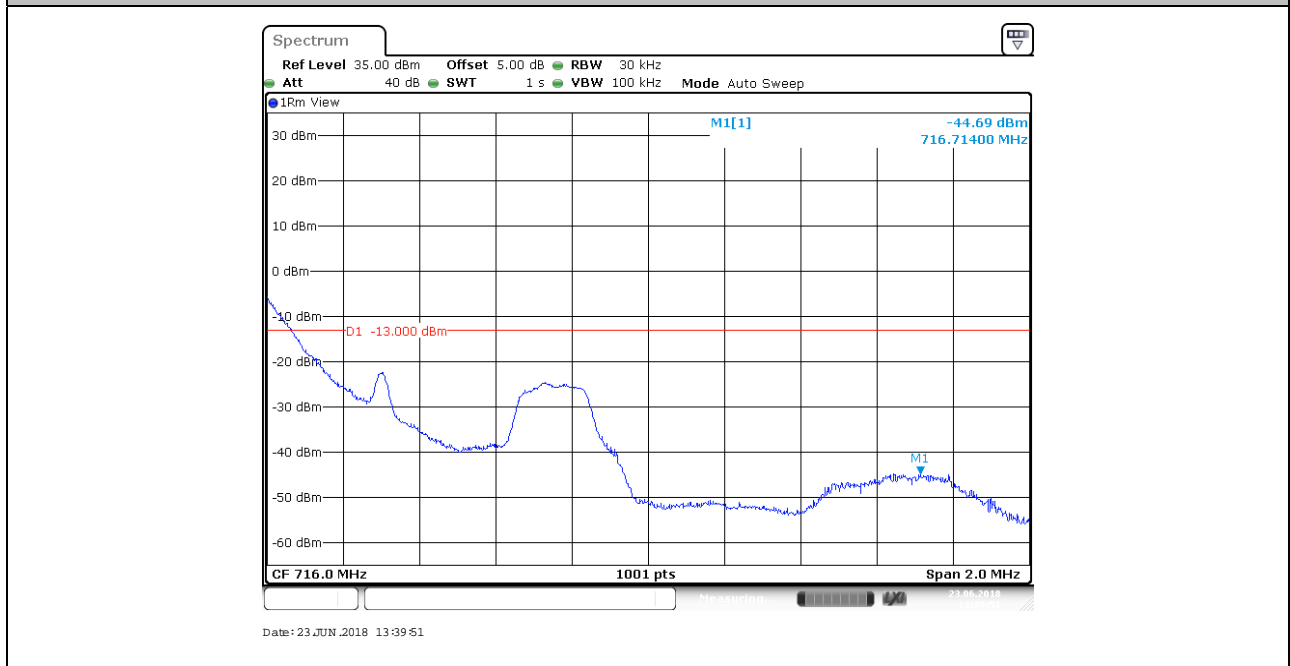


5.2. Test Plots

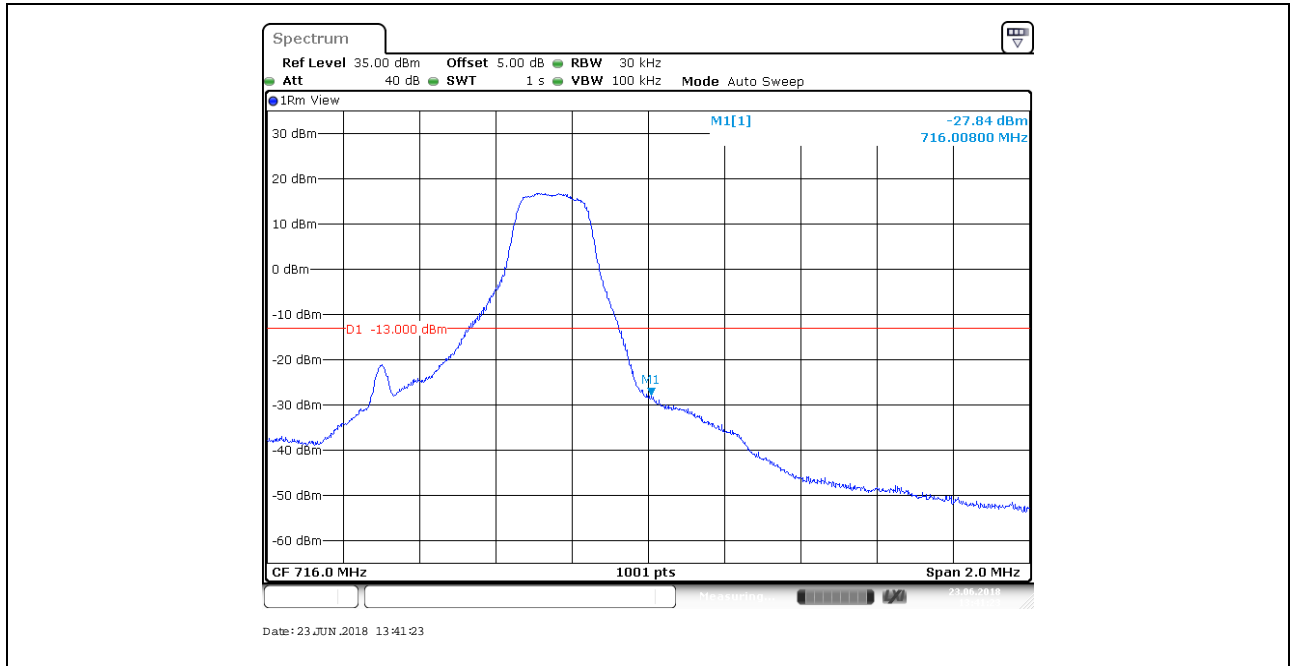




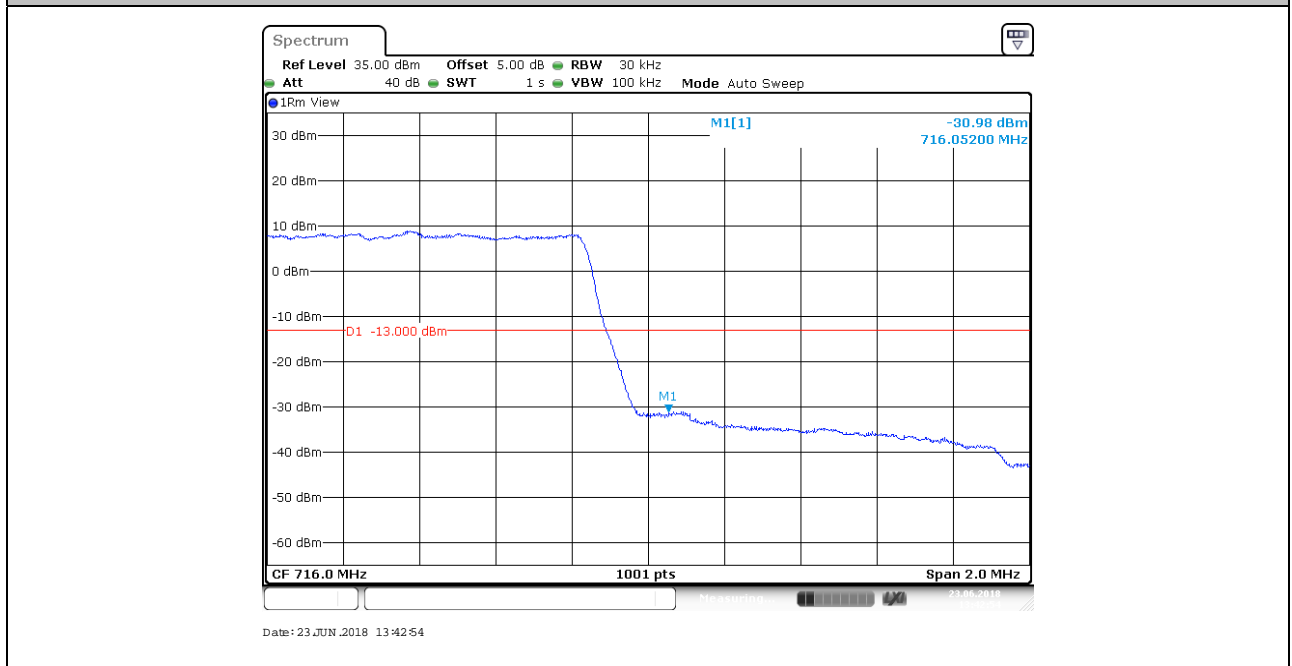
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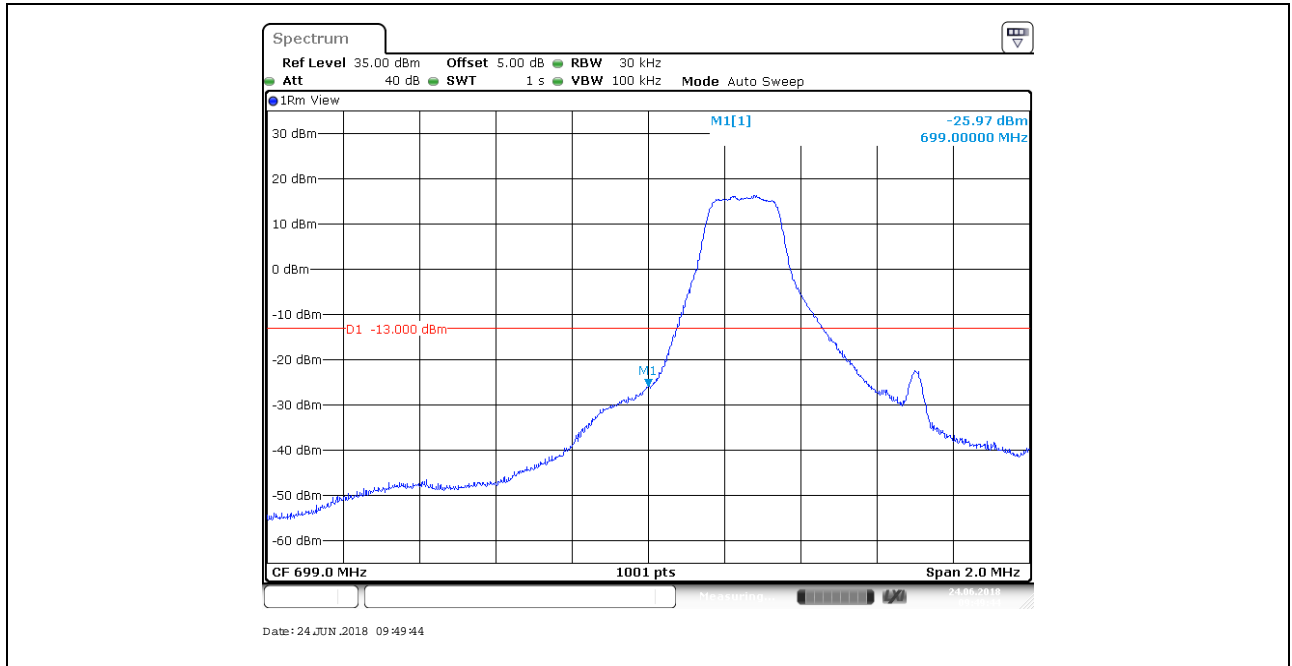
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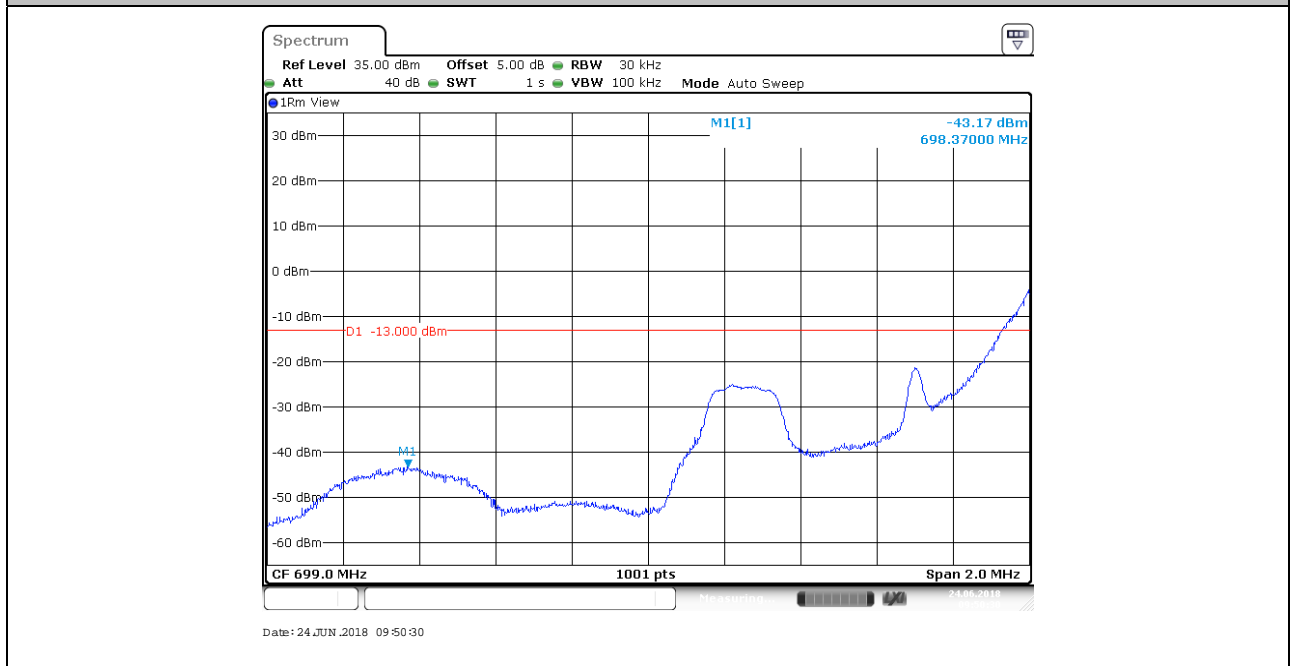
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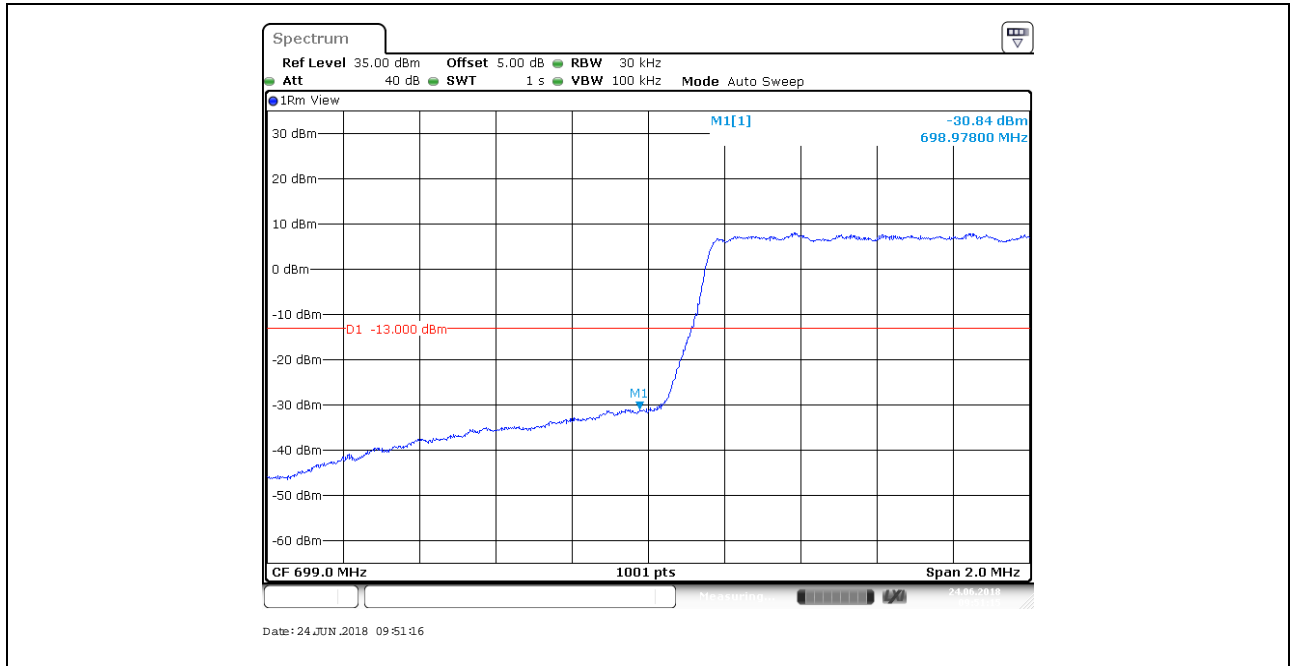
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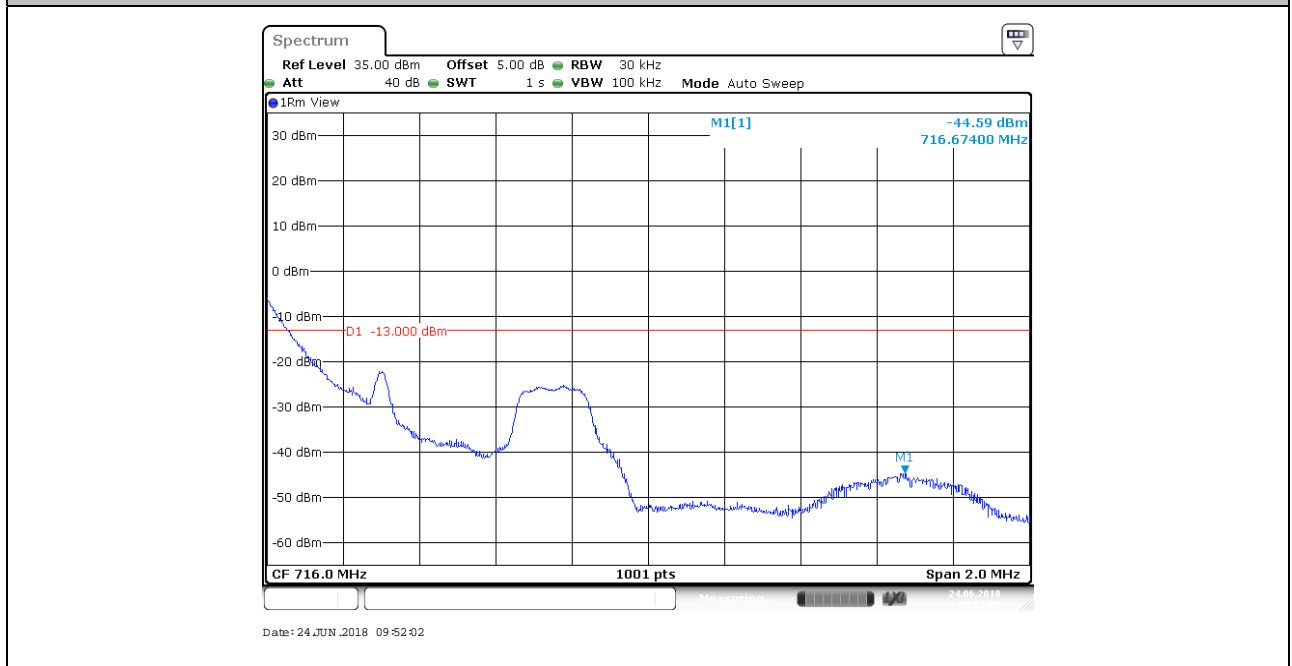
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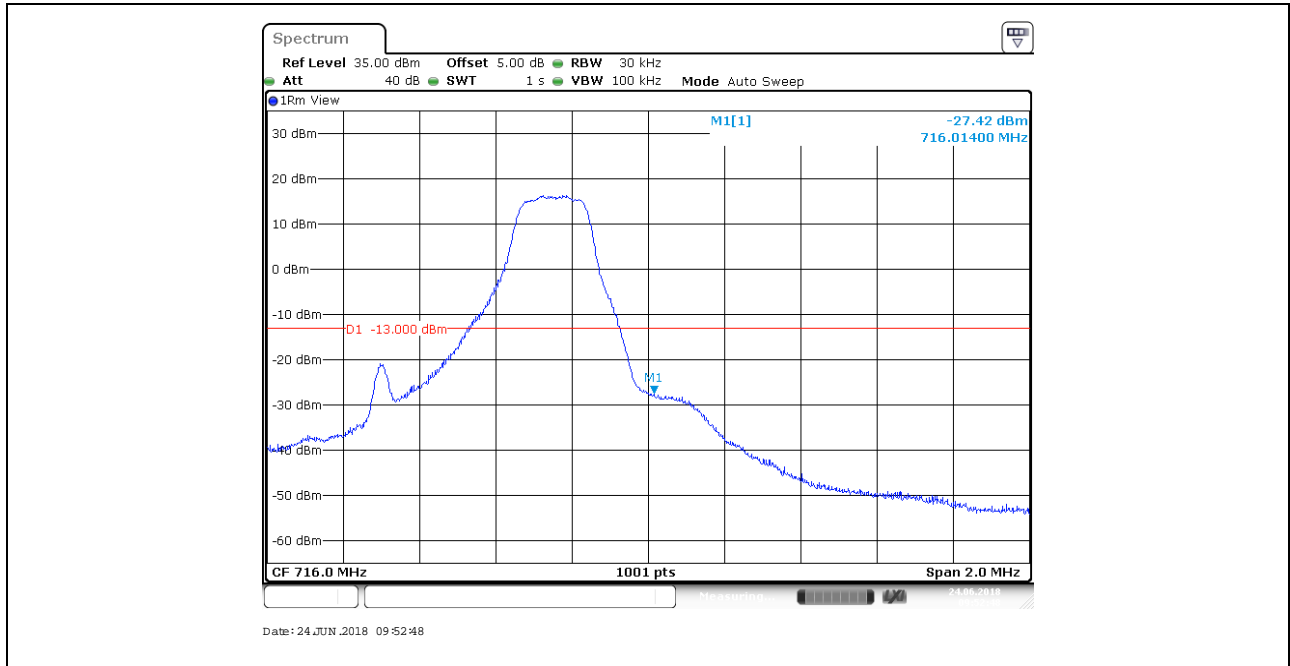
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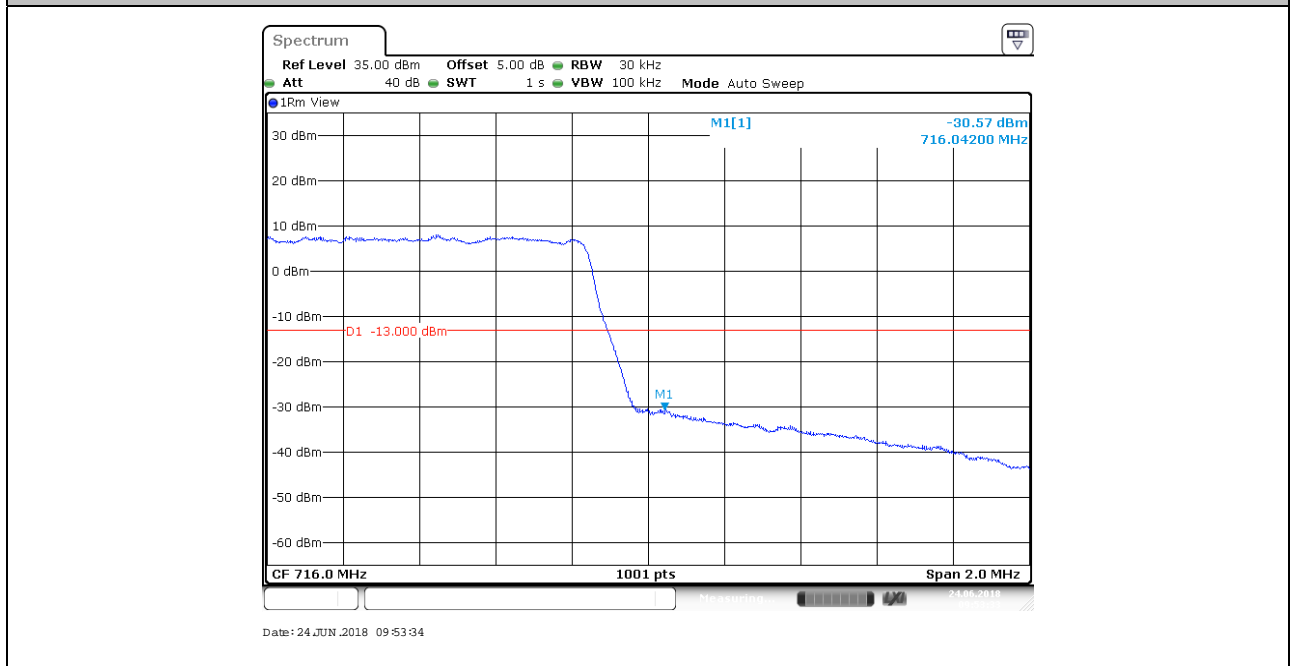
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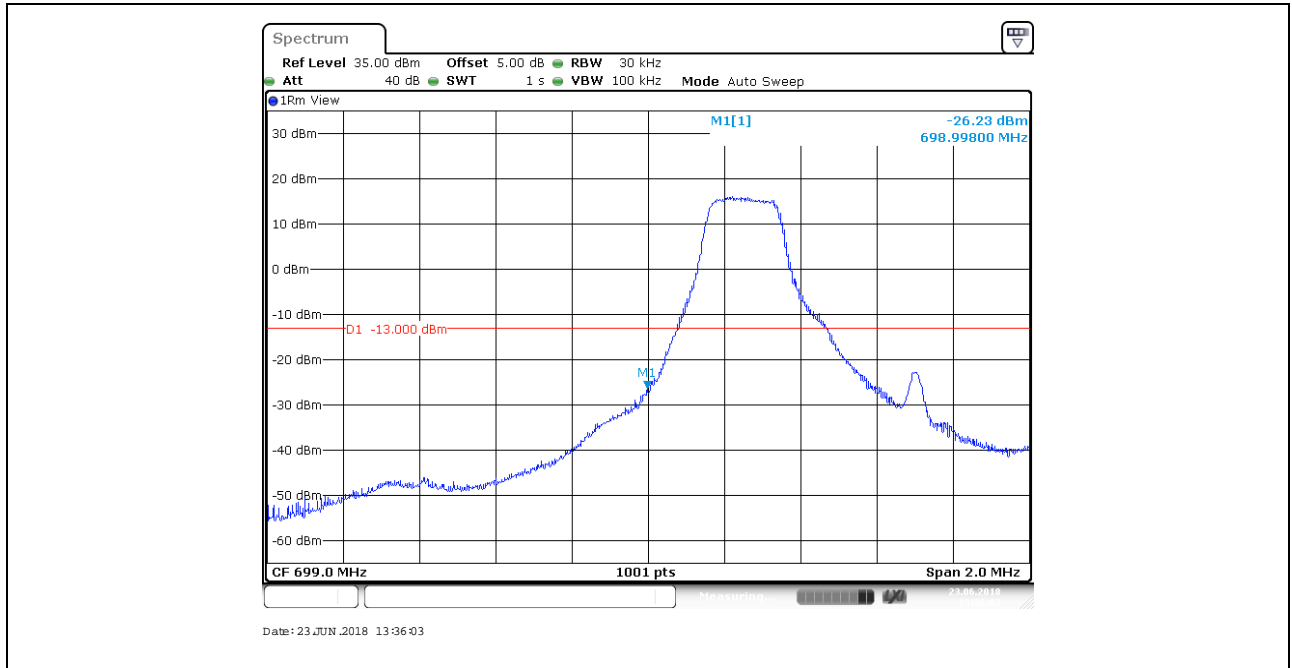
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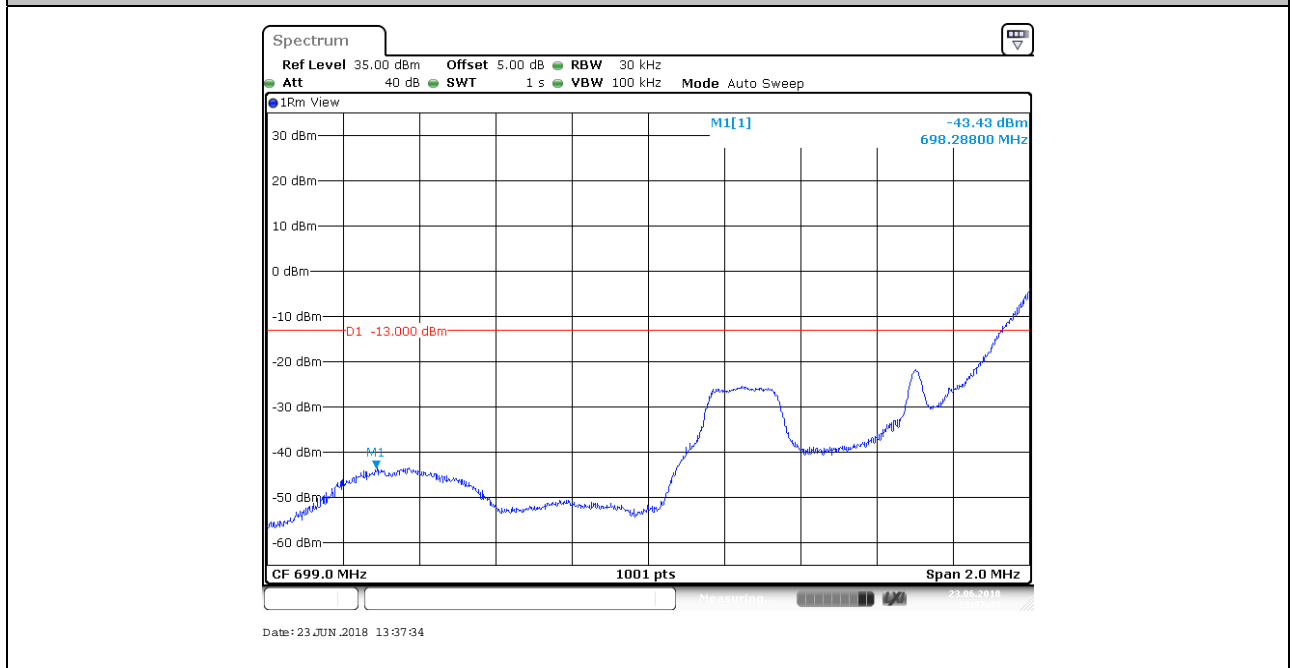
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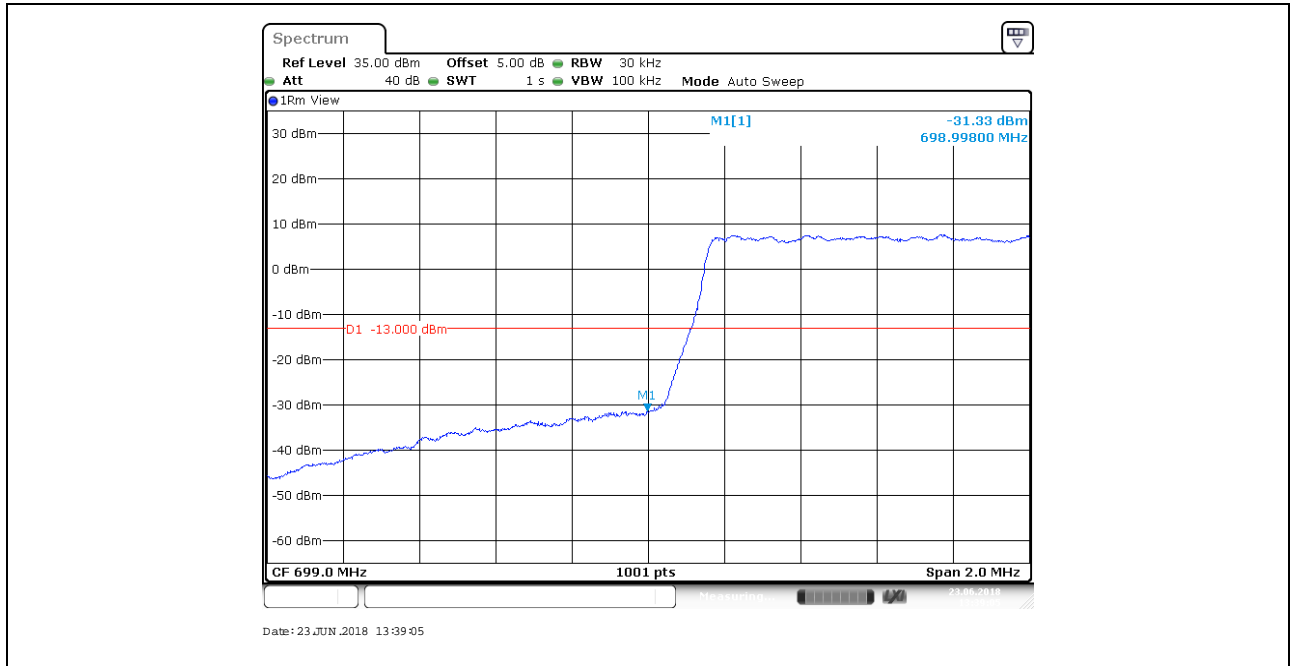
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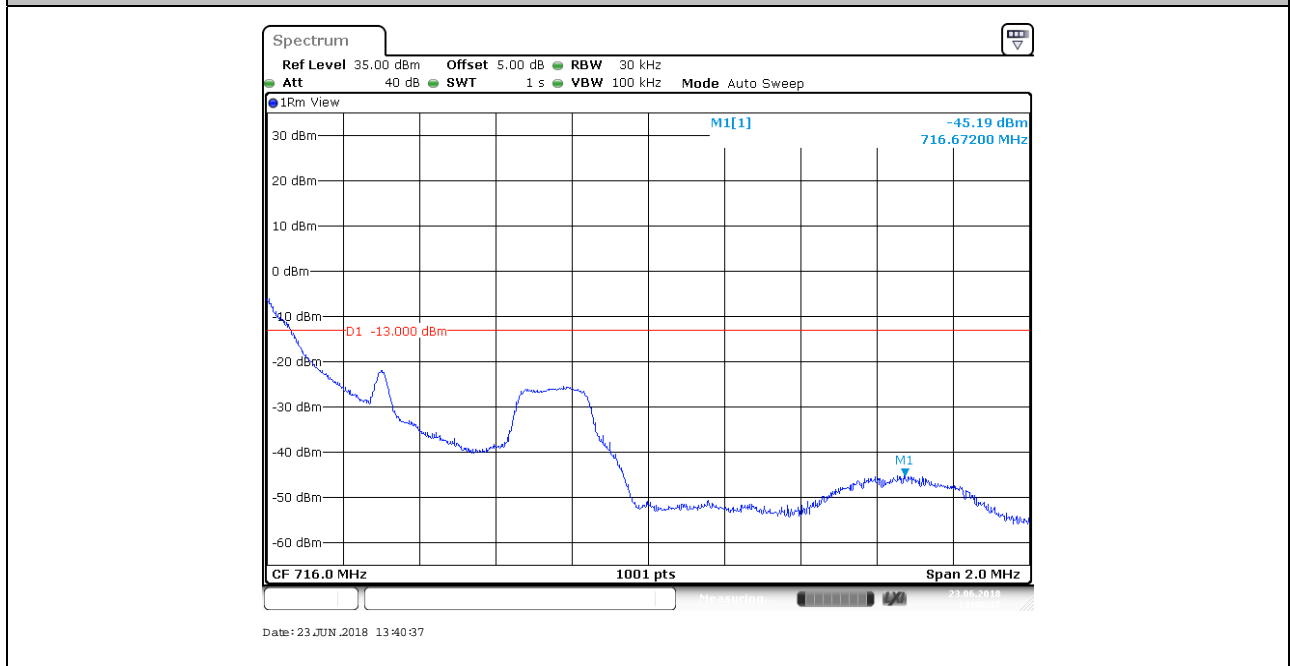
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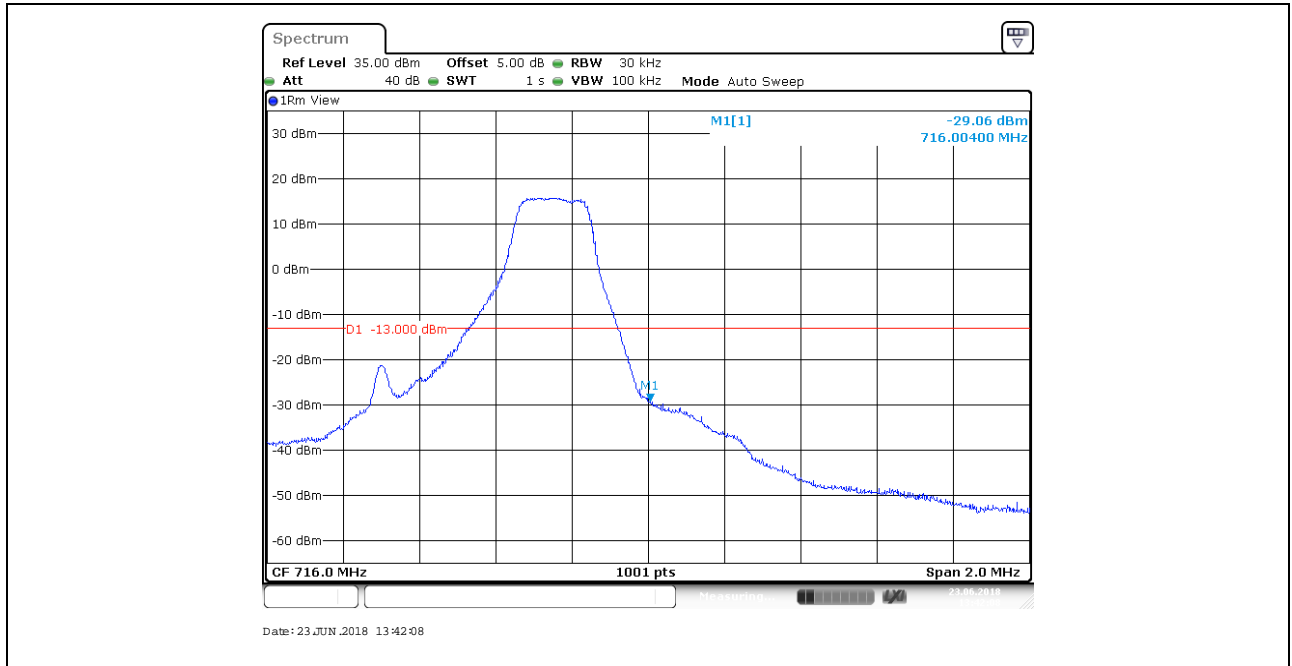
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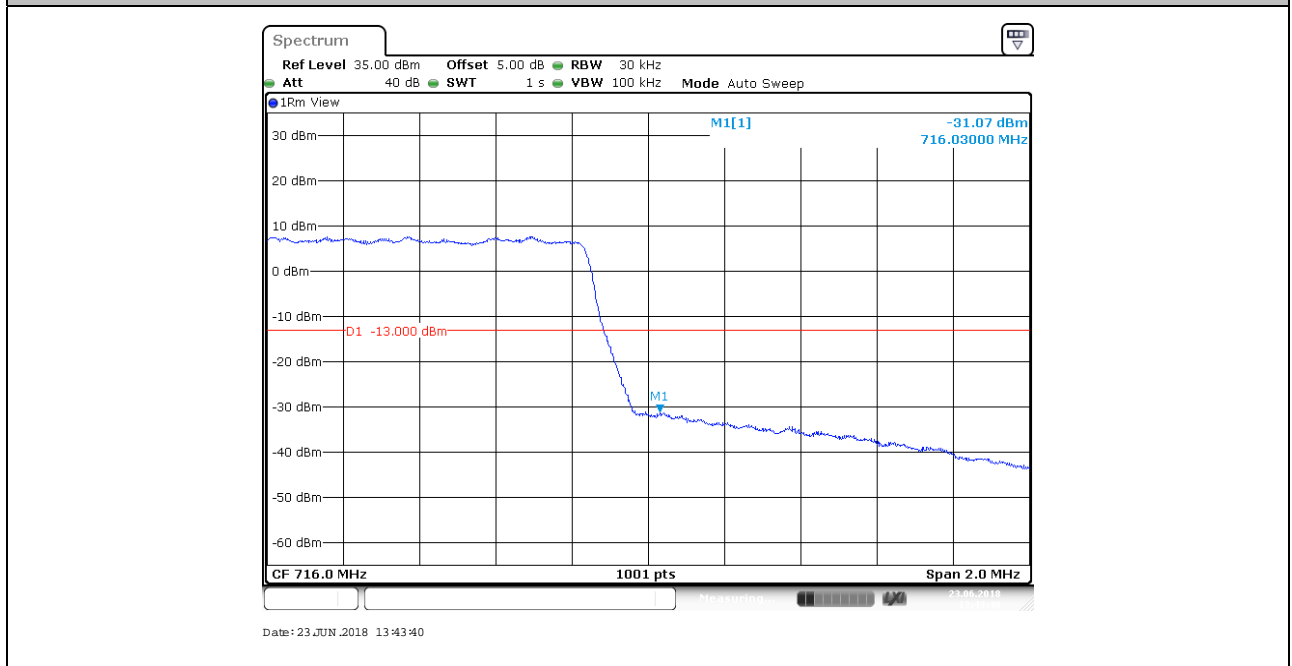
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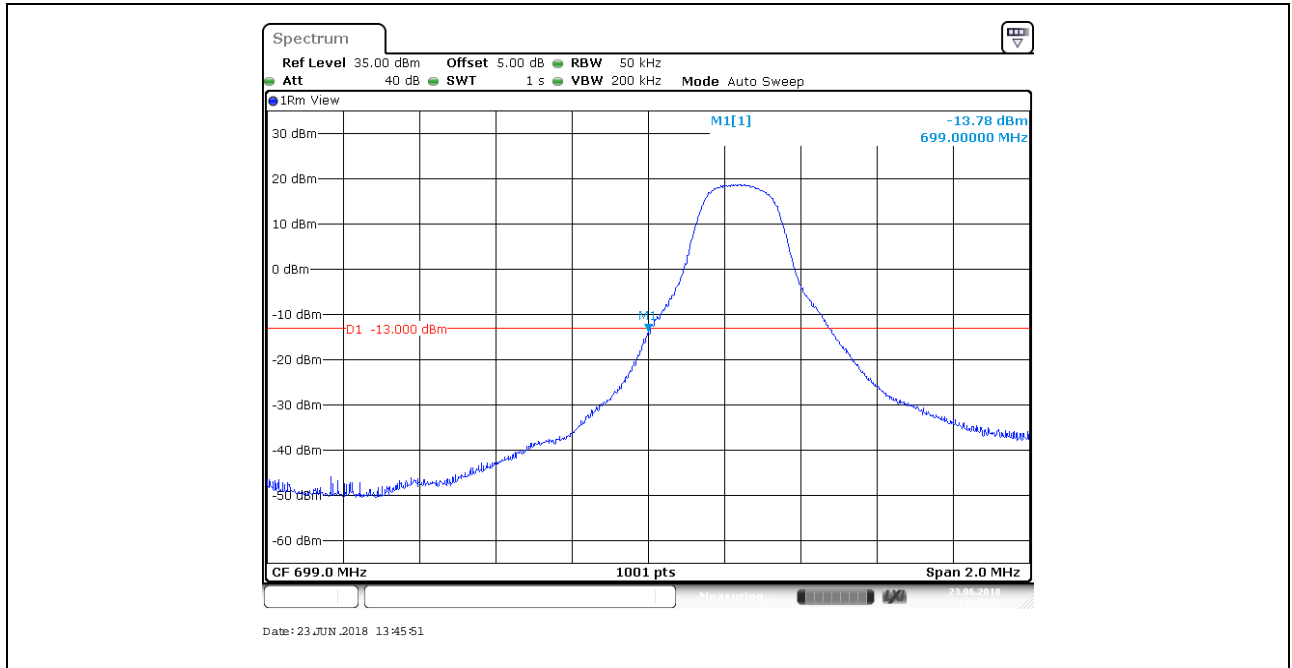
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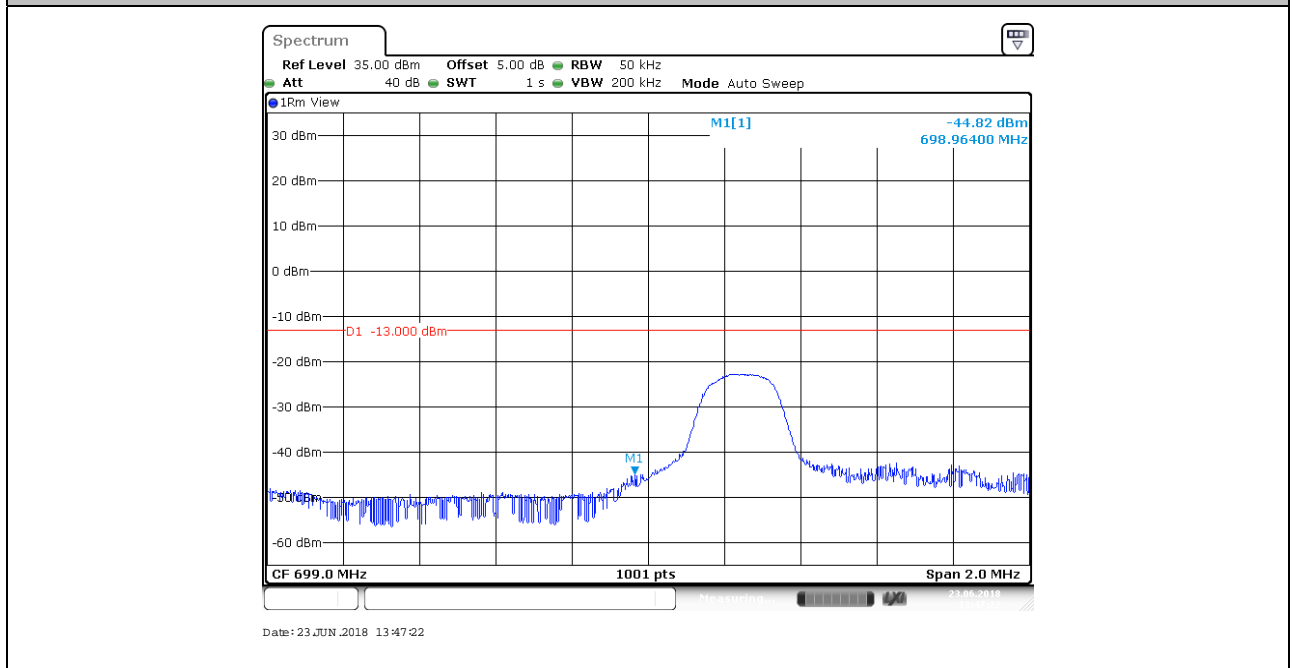
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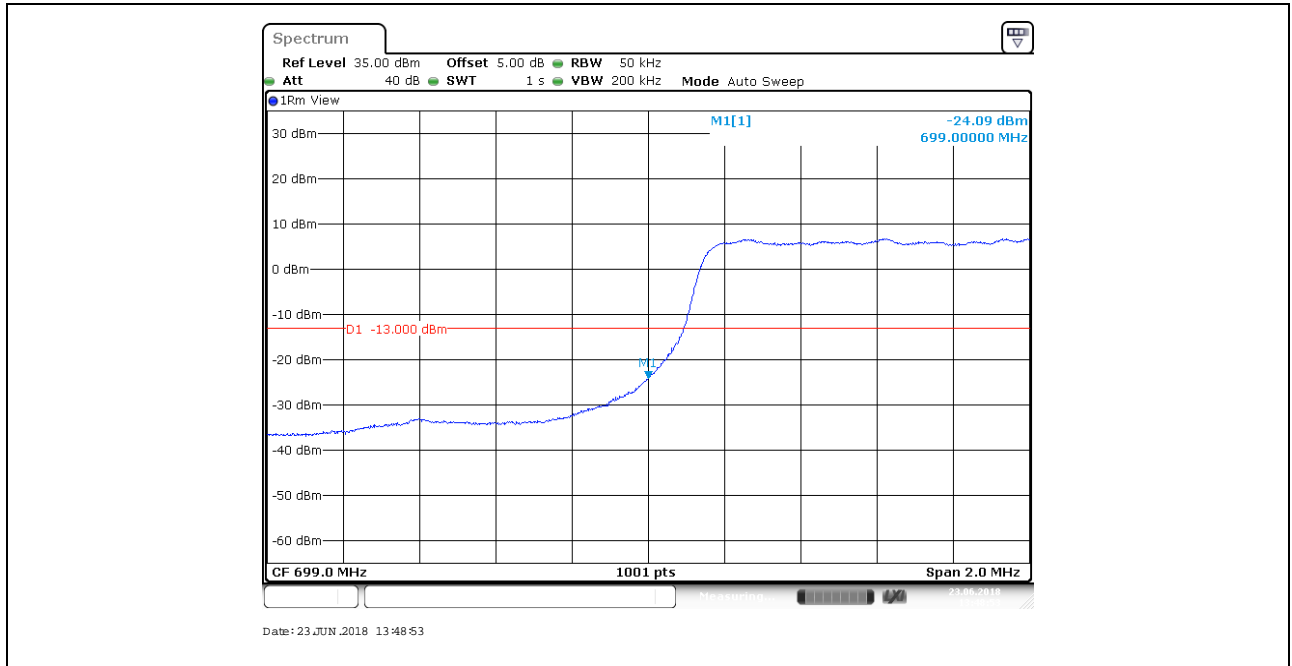
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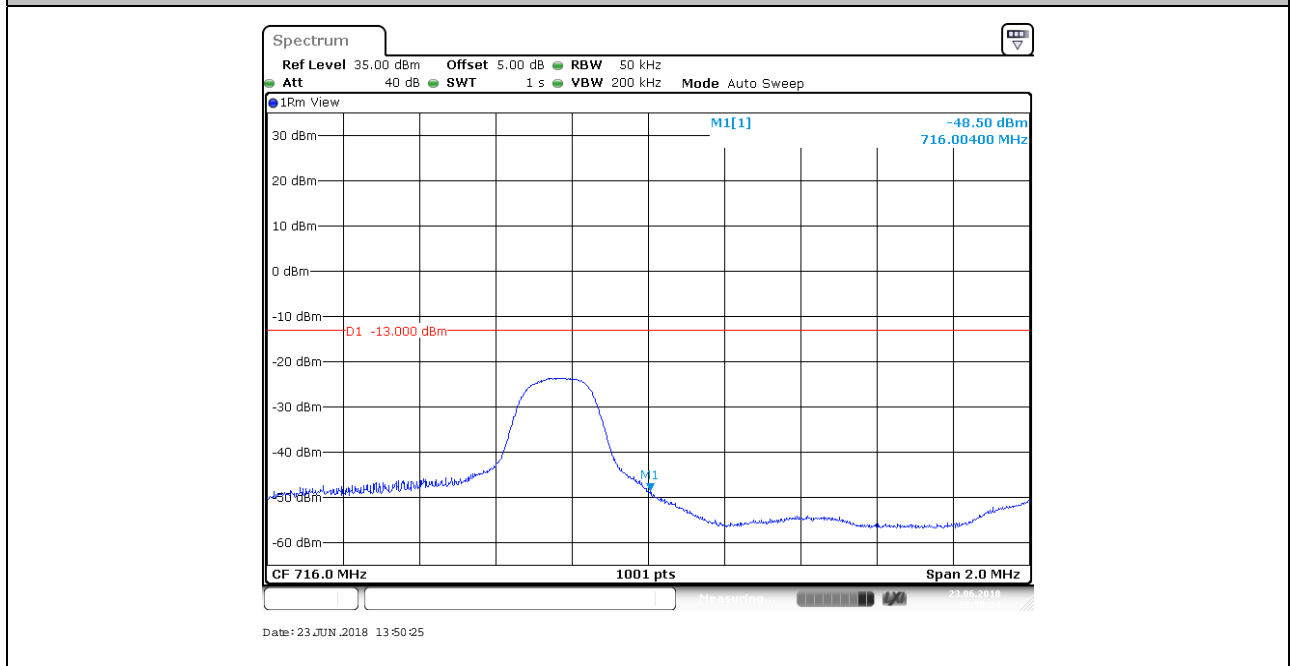
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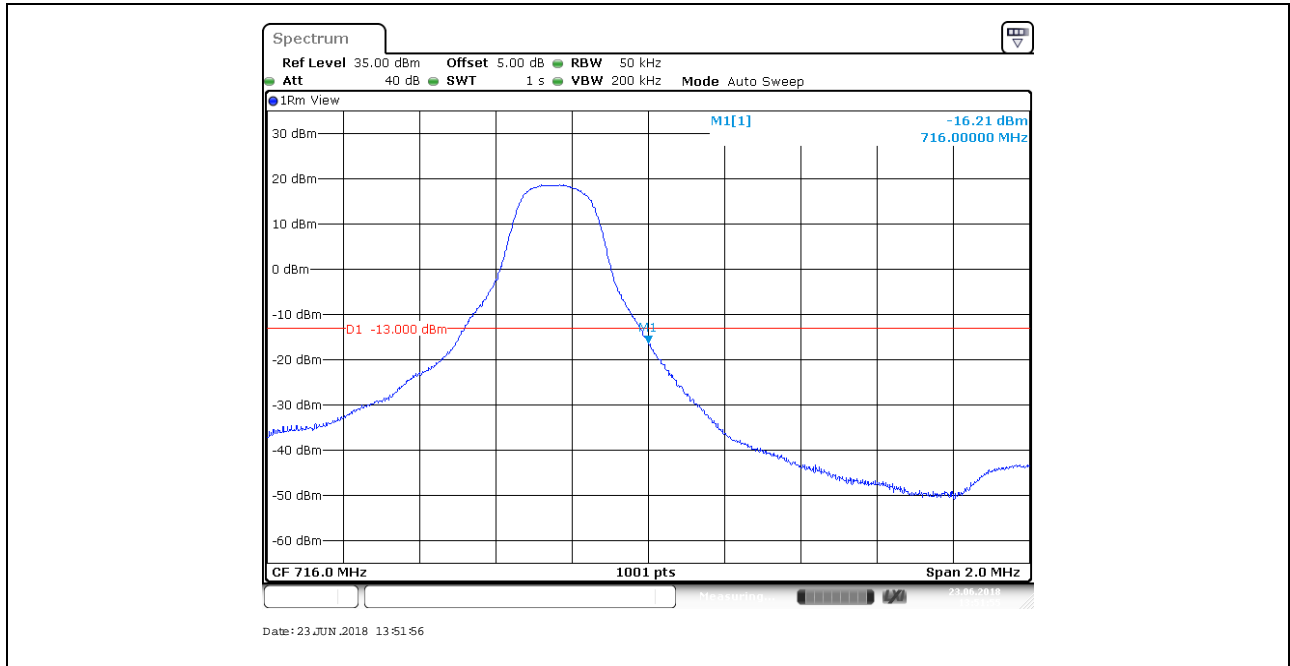
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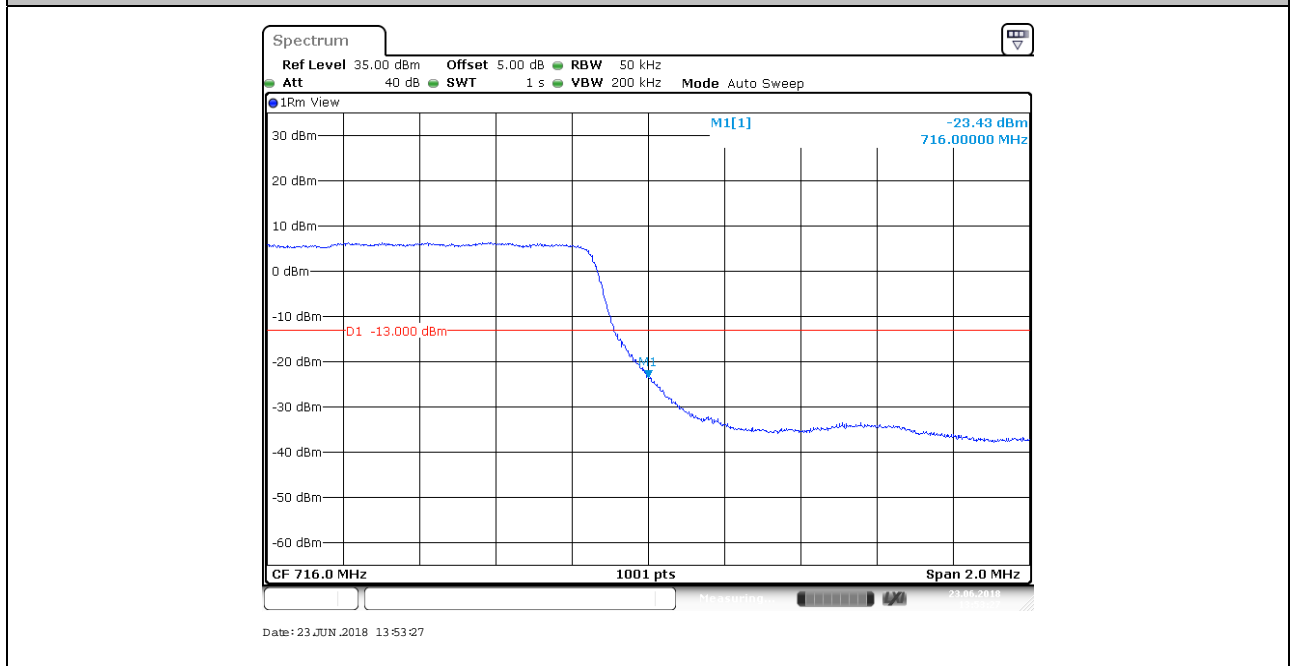
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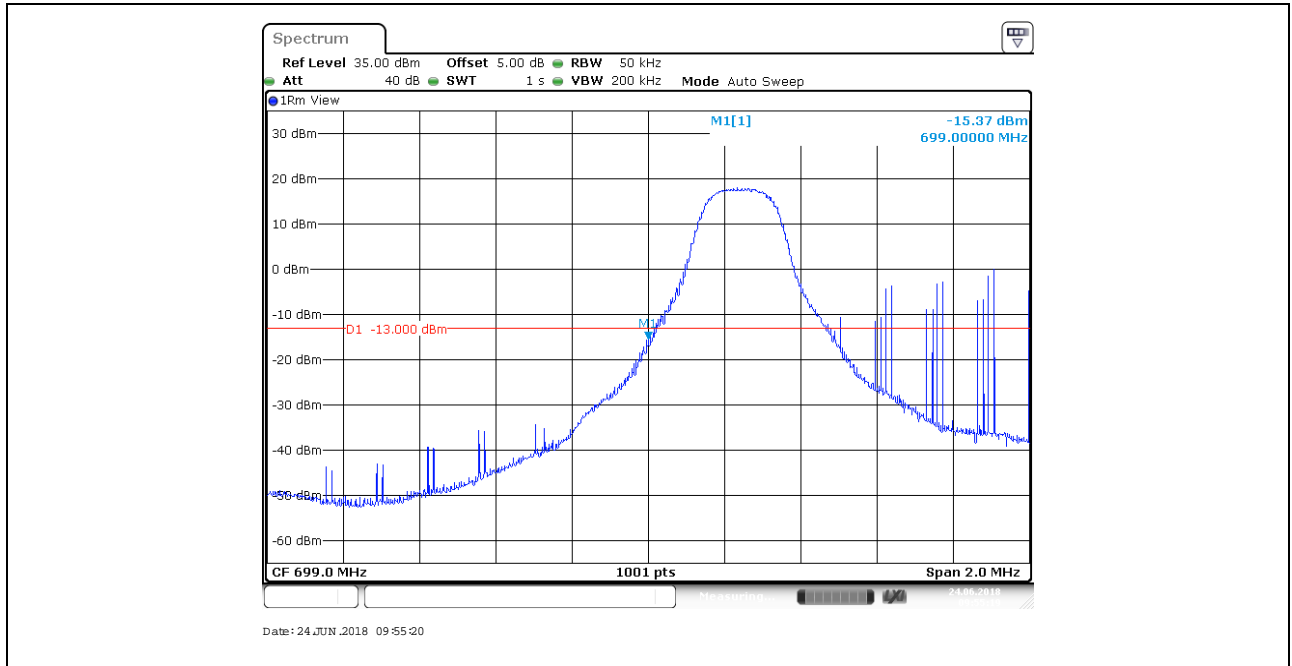
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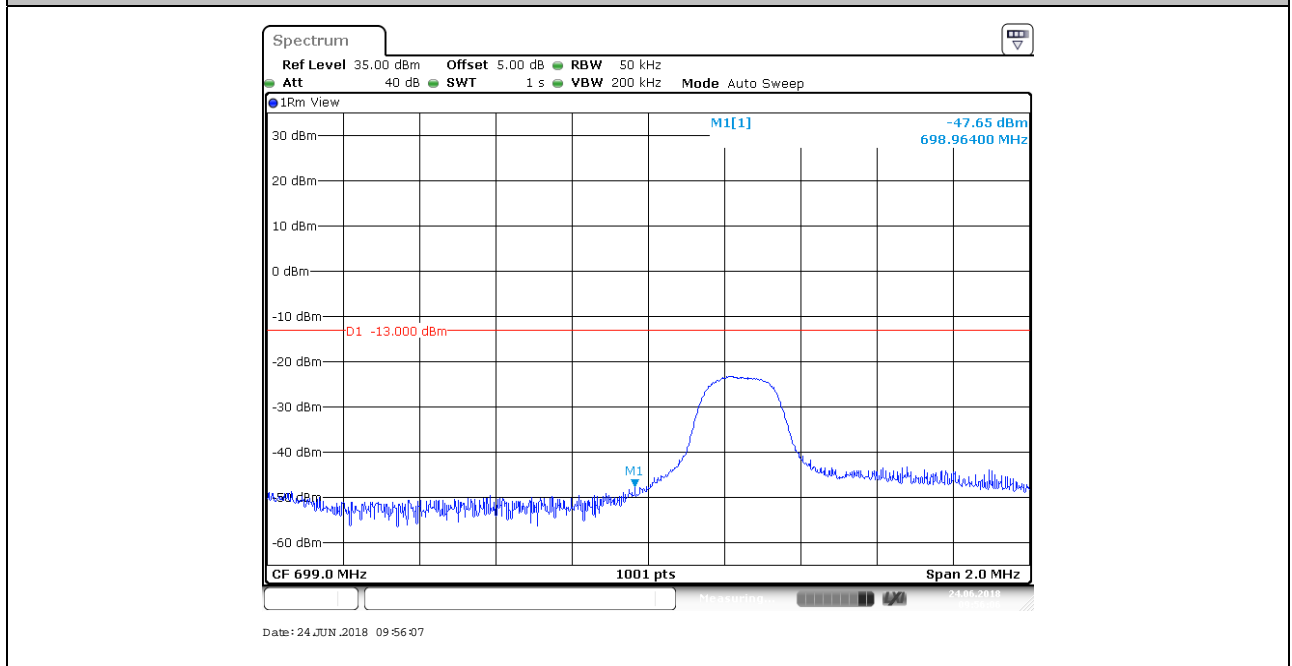
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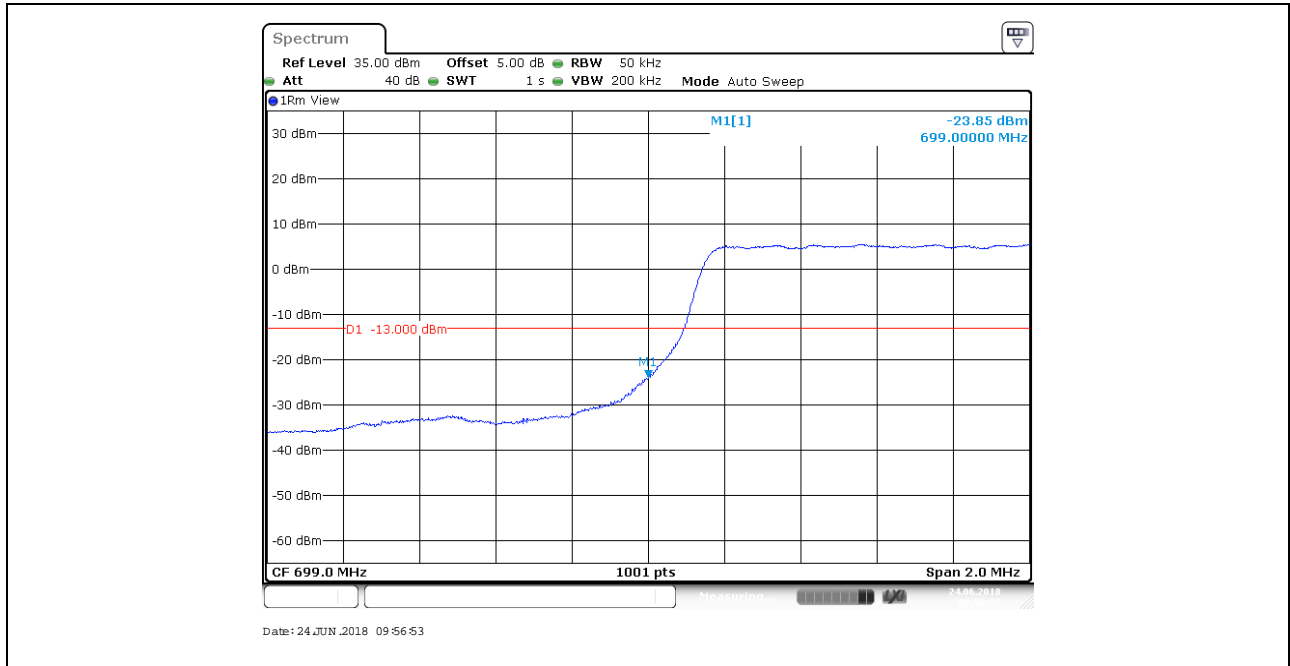
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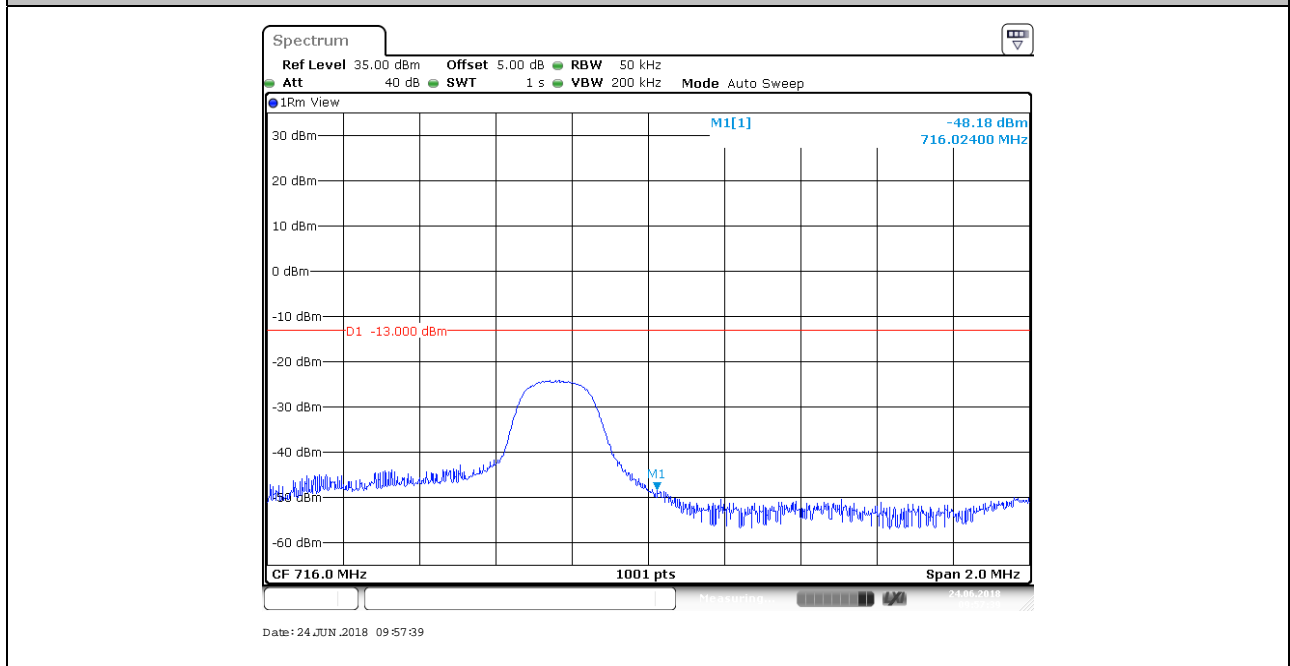
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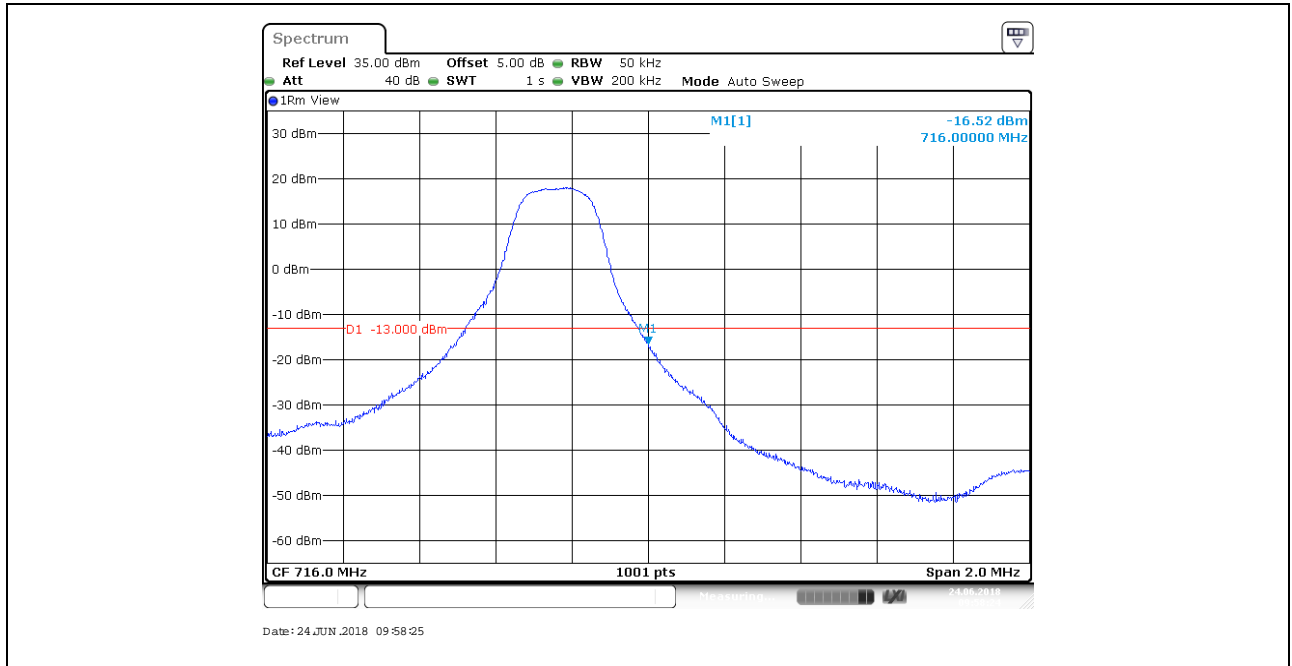
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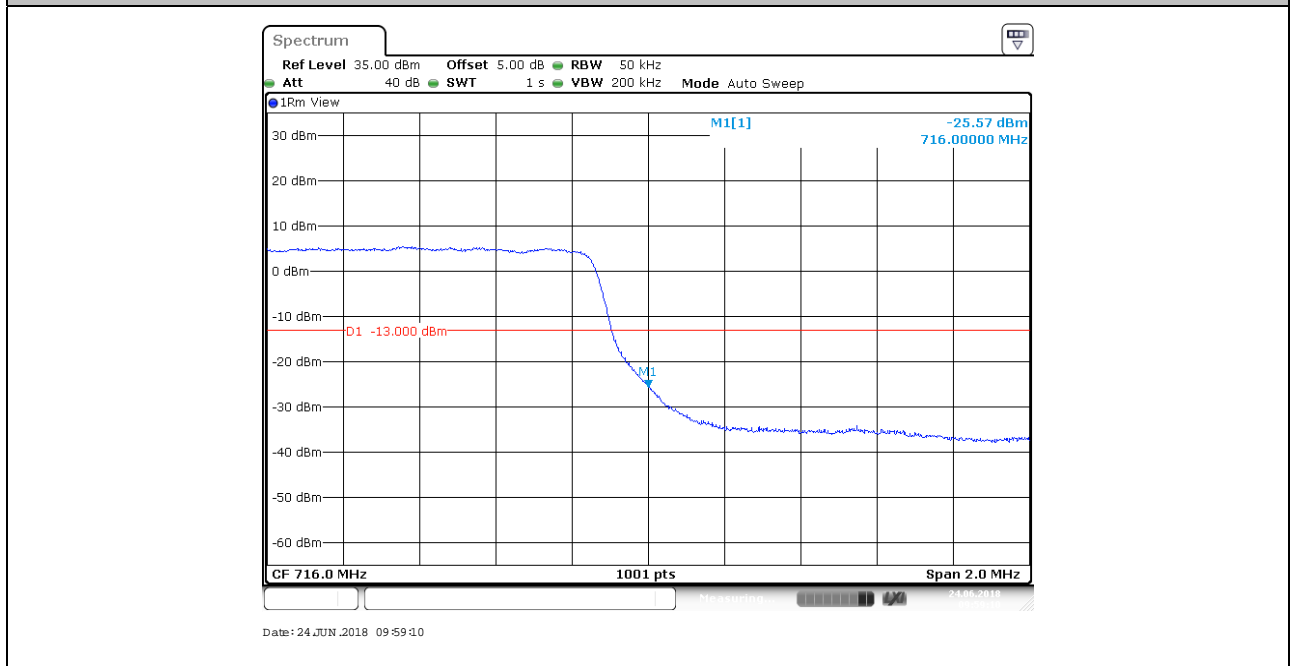
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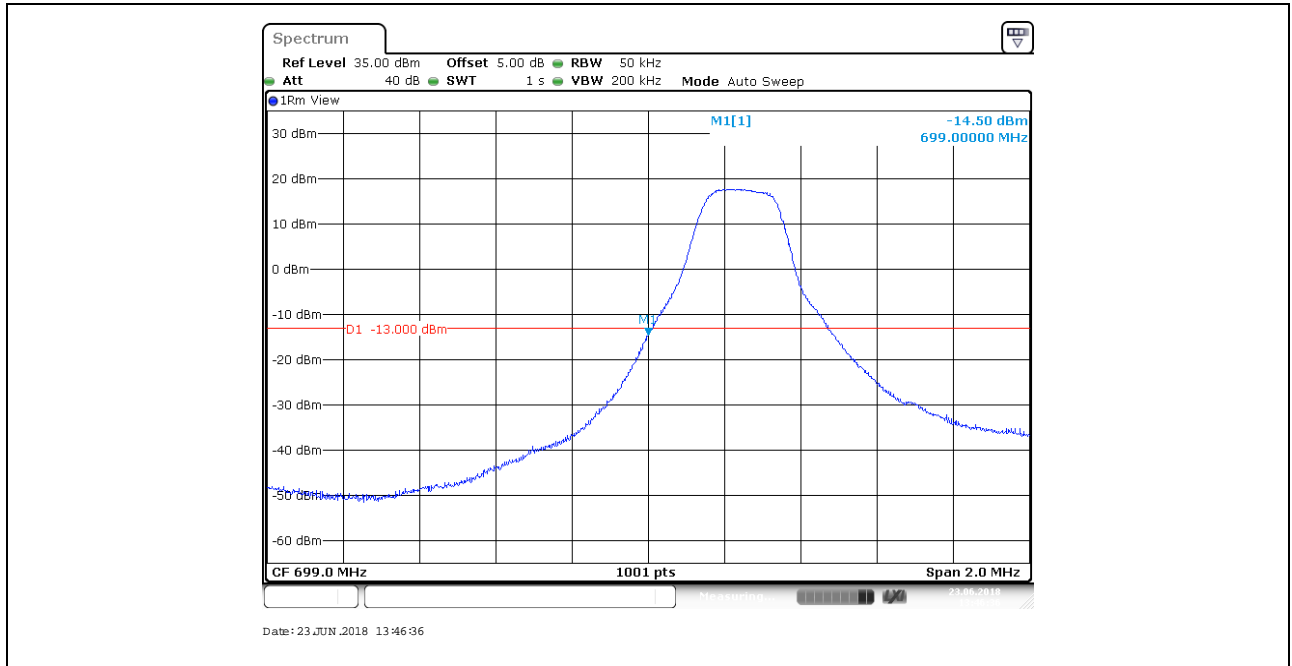
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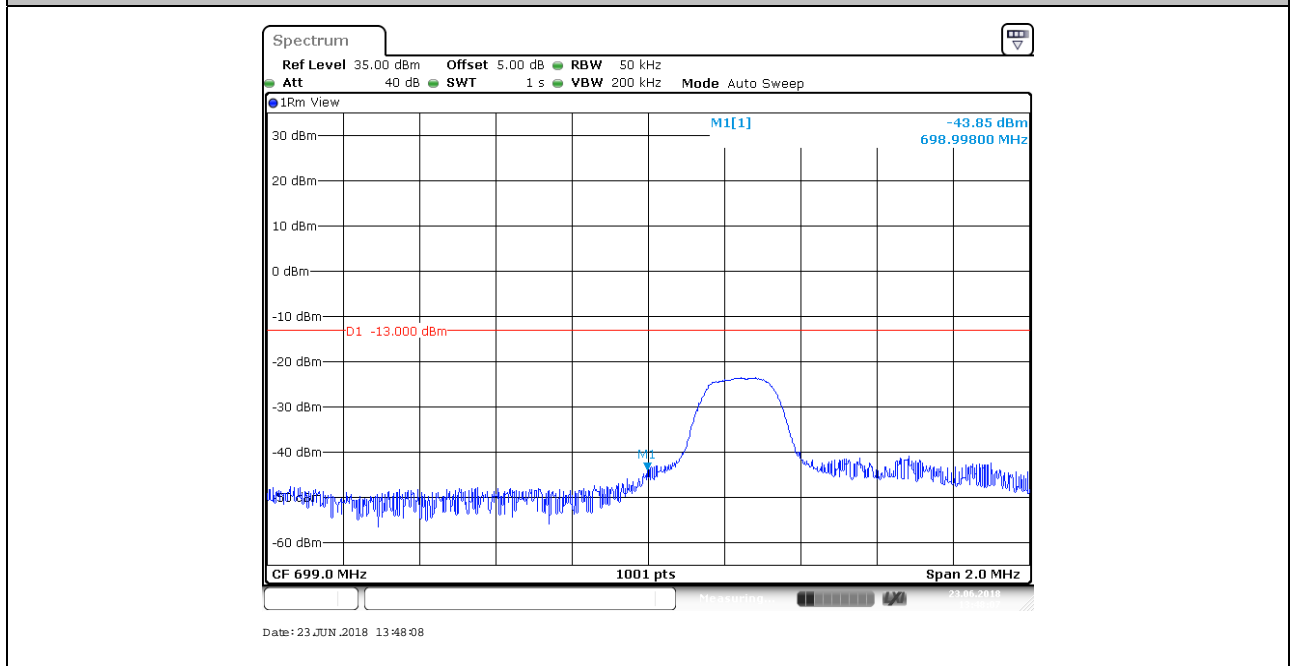
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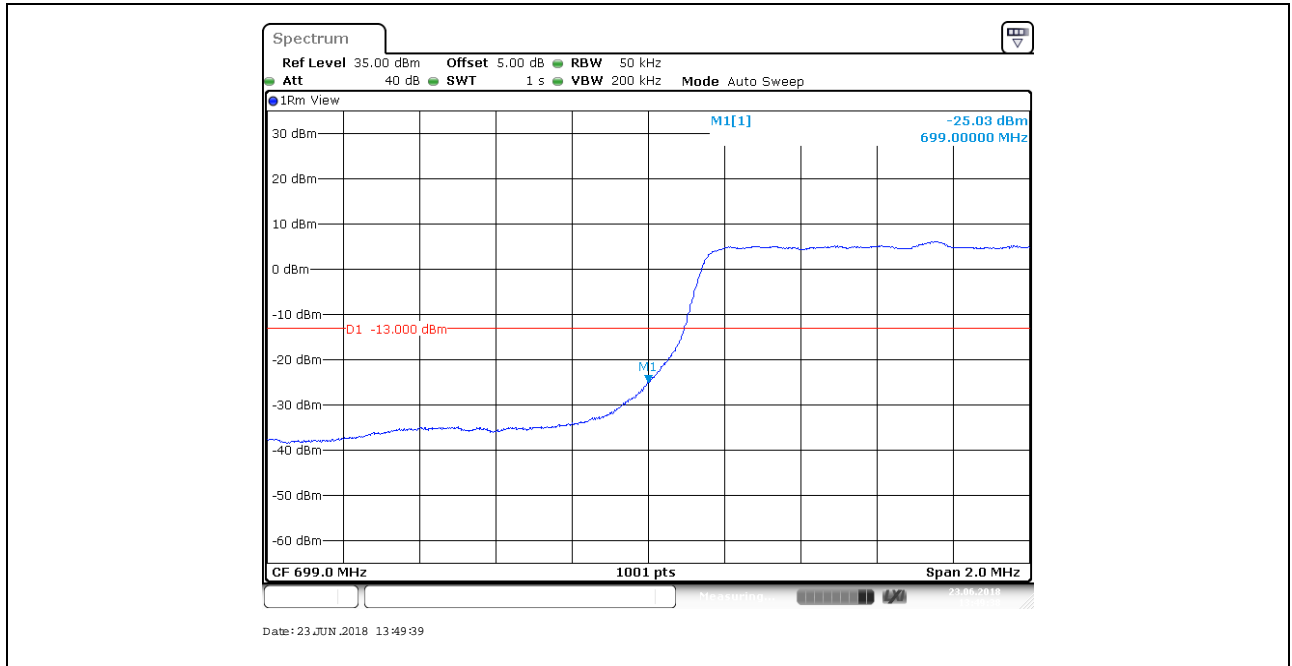
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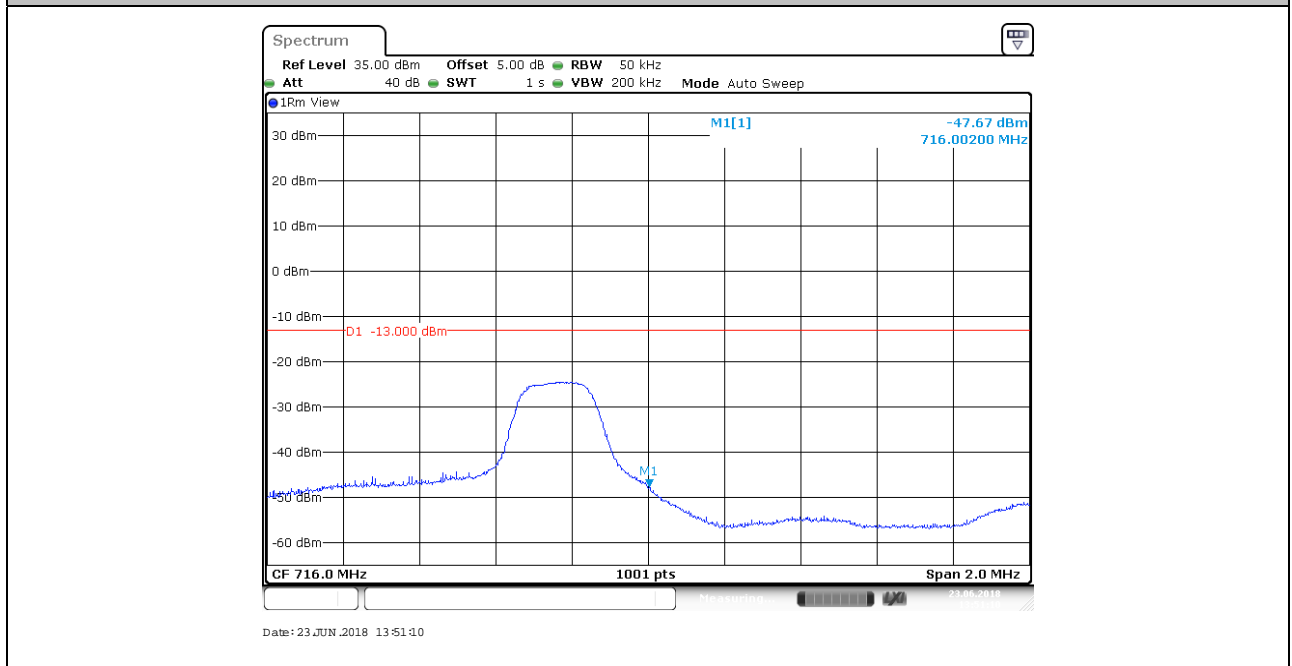
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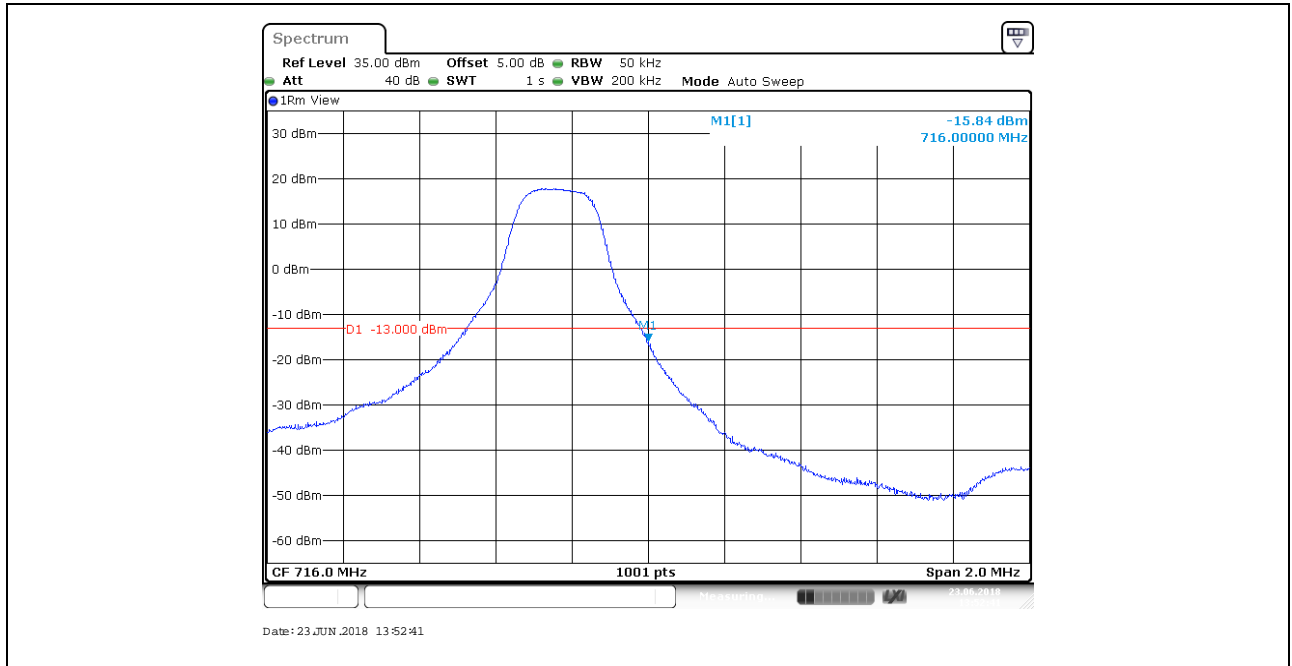
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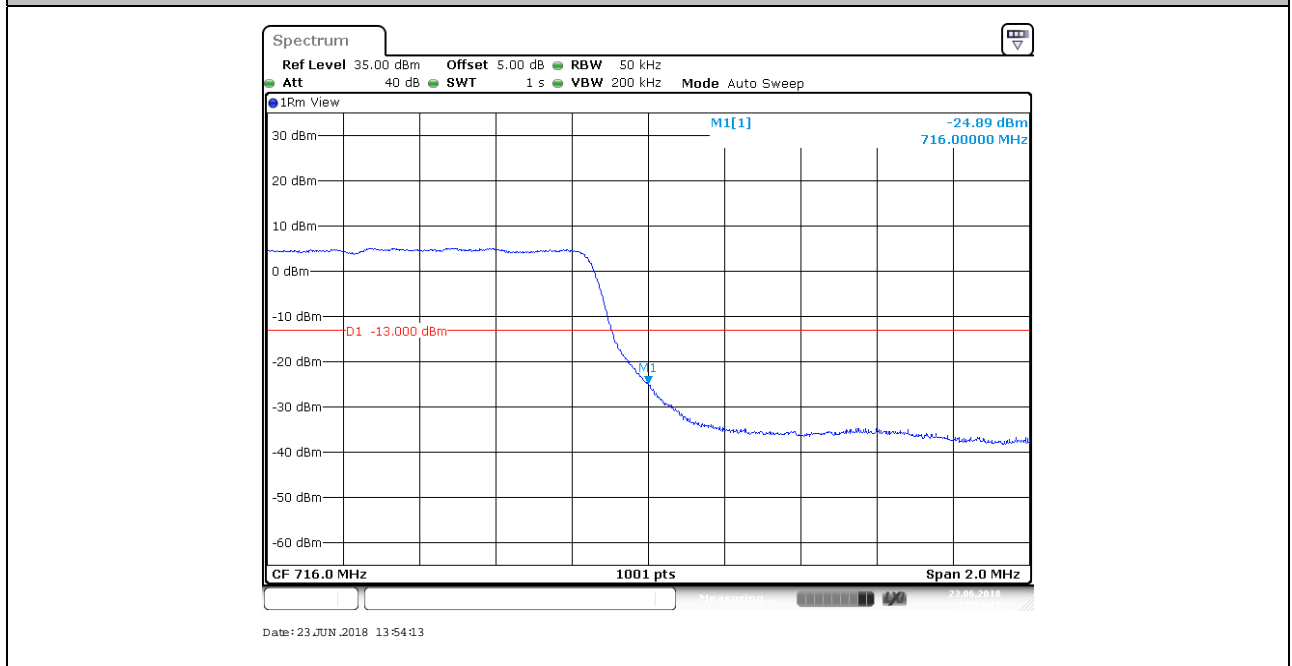
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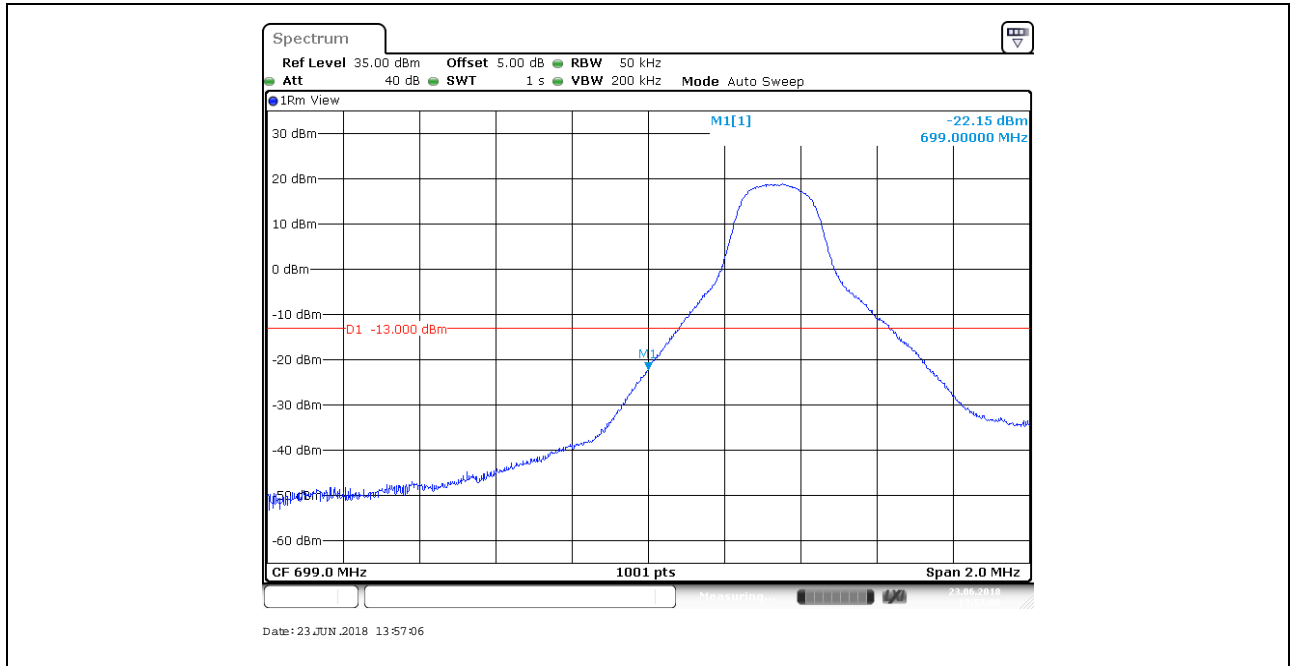
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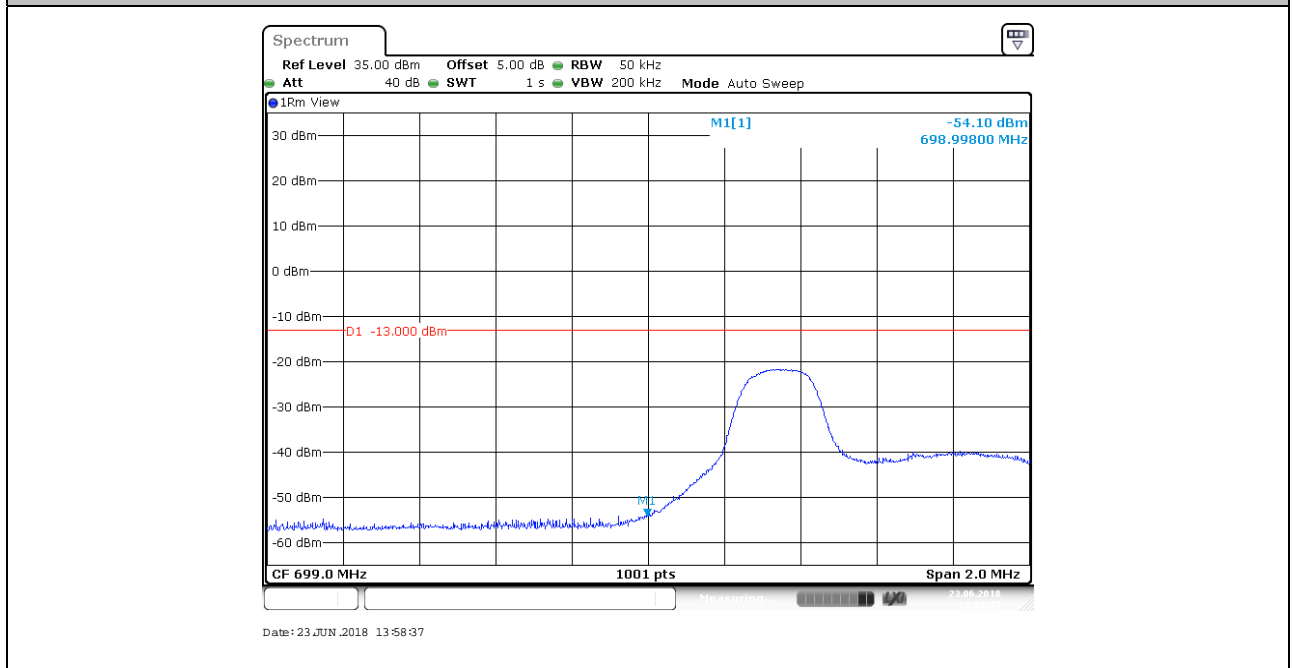
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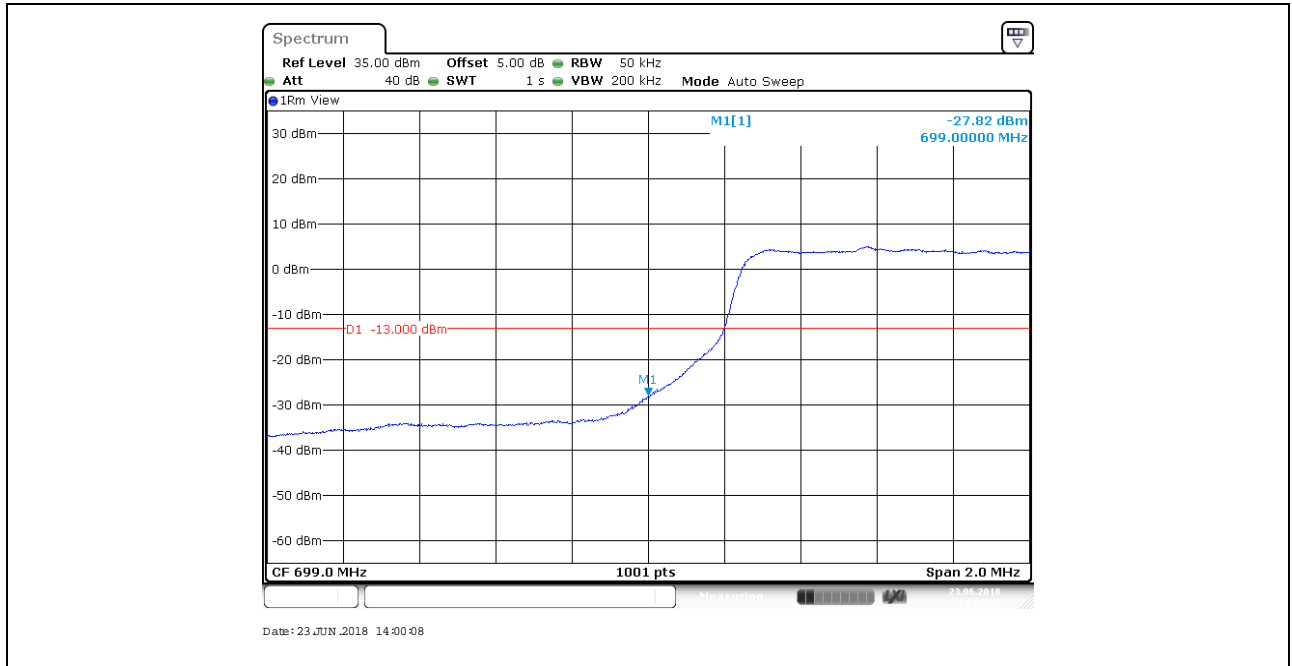
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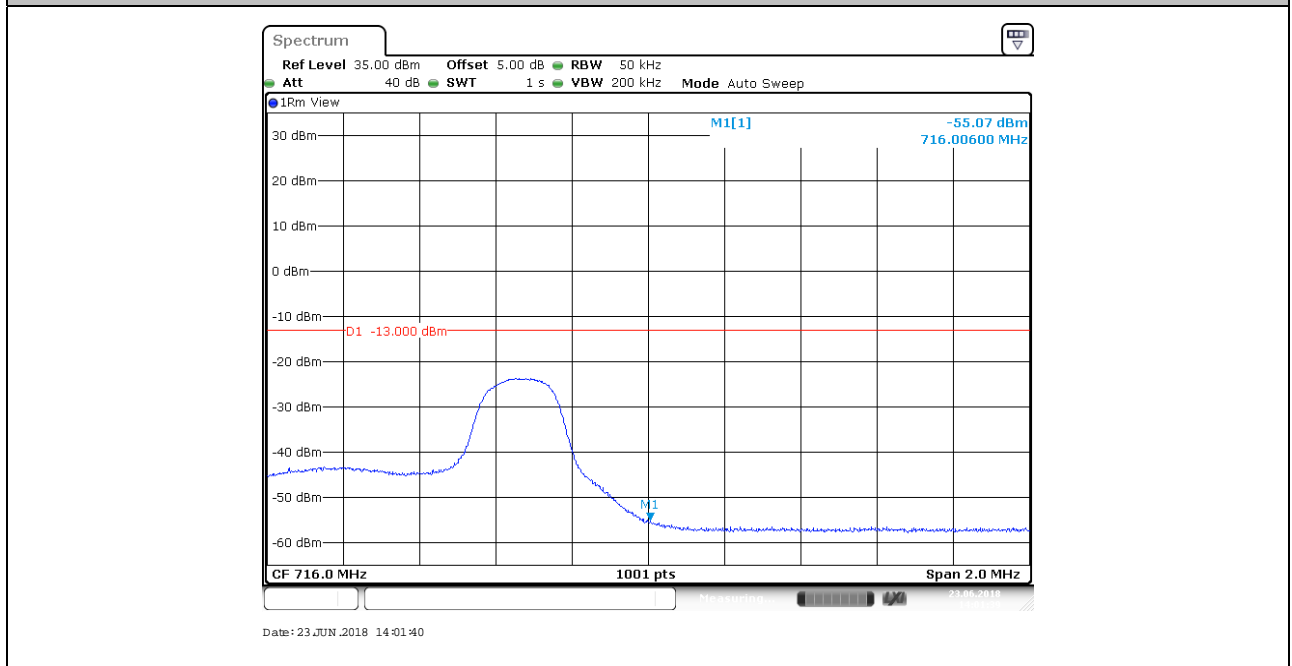
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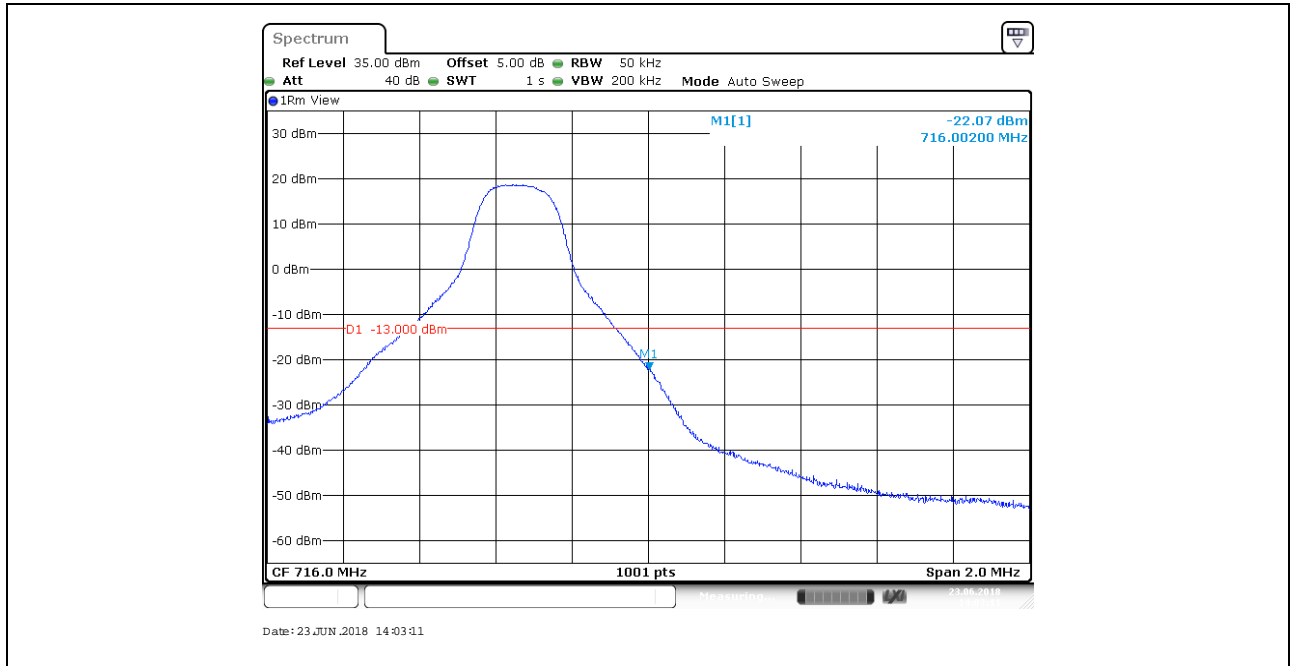
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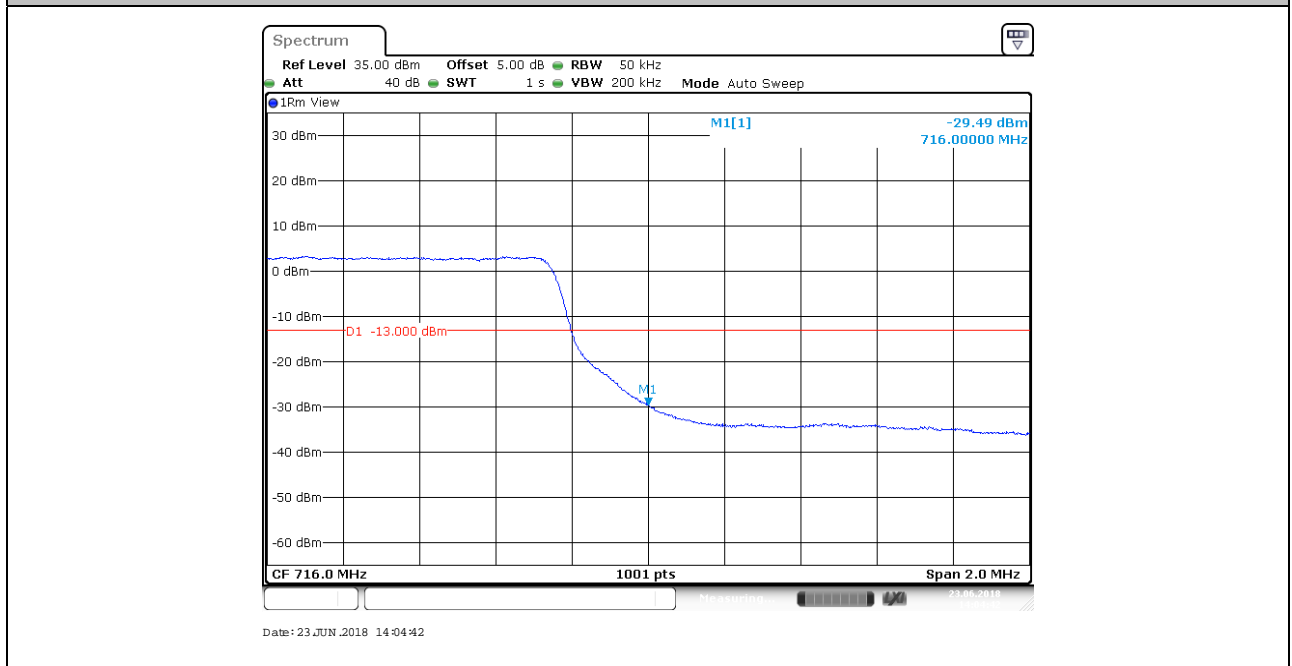
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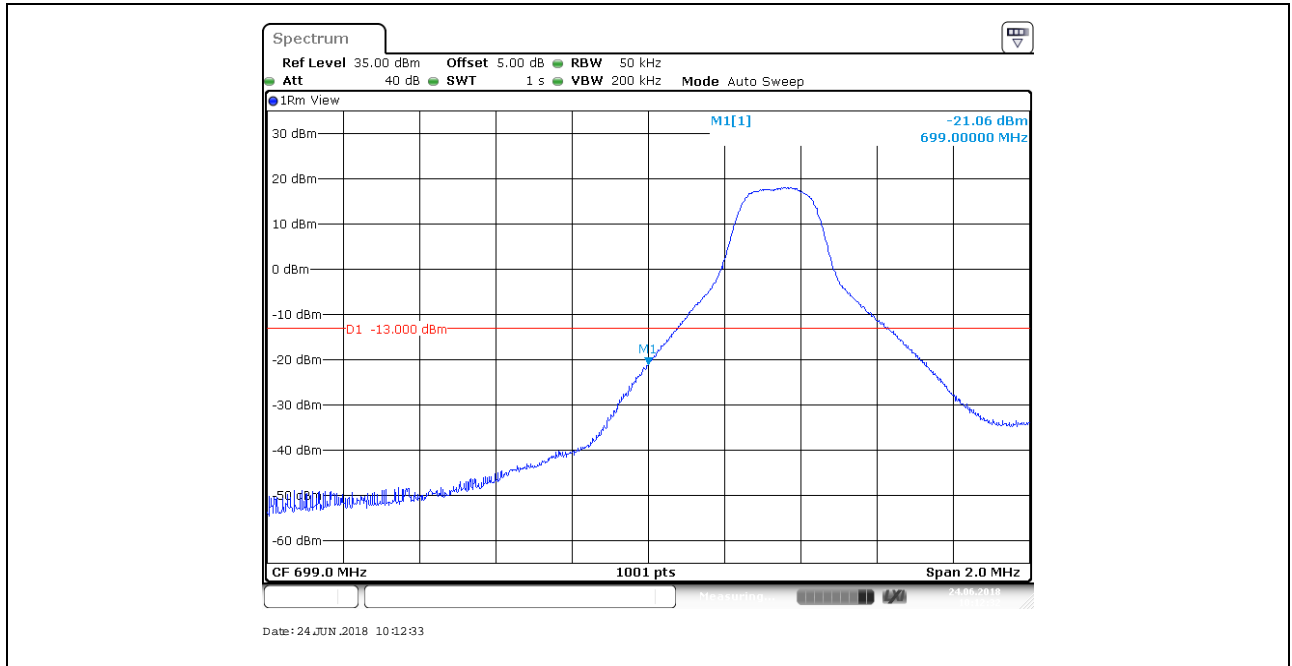
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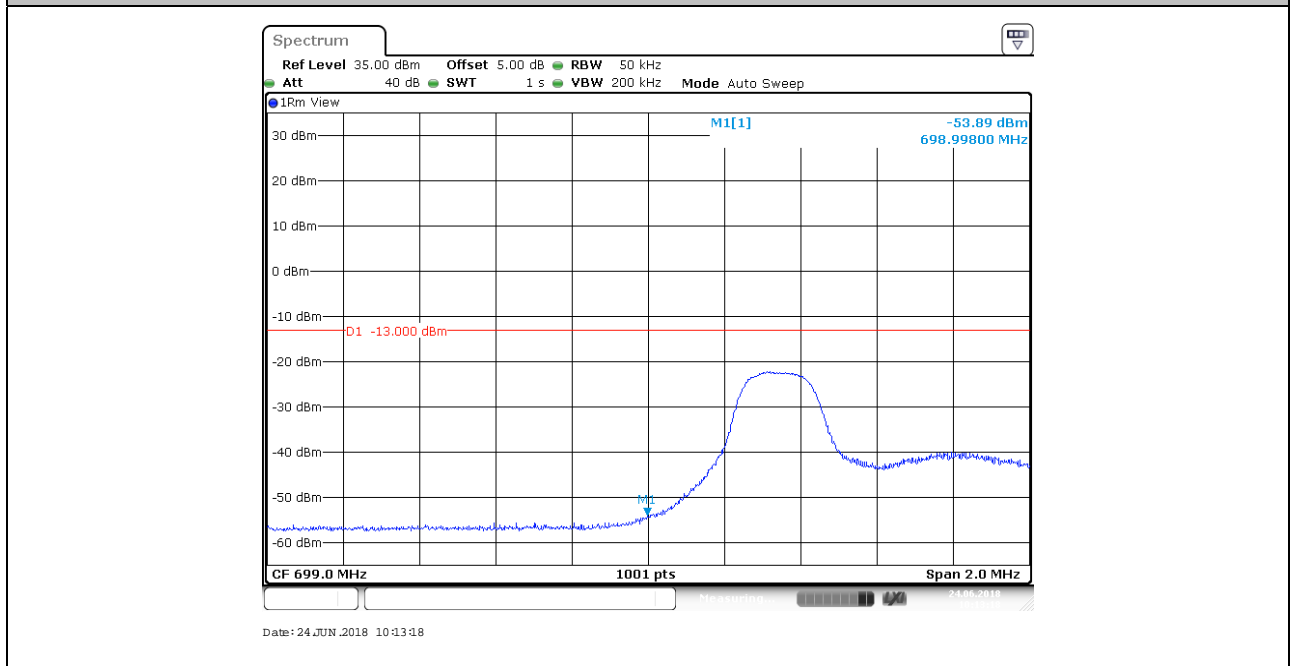
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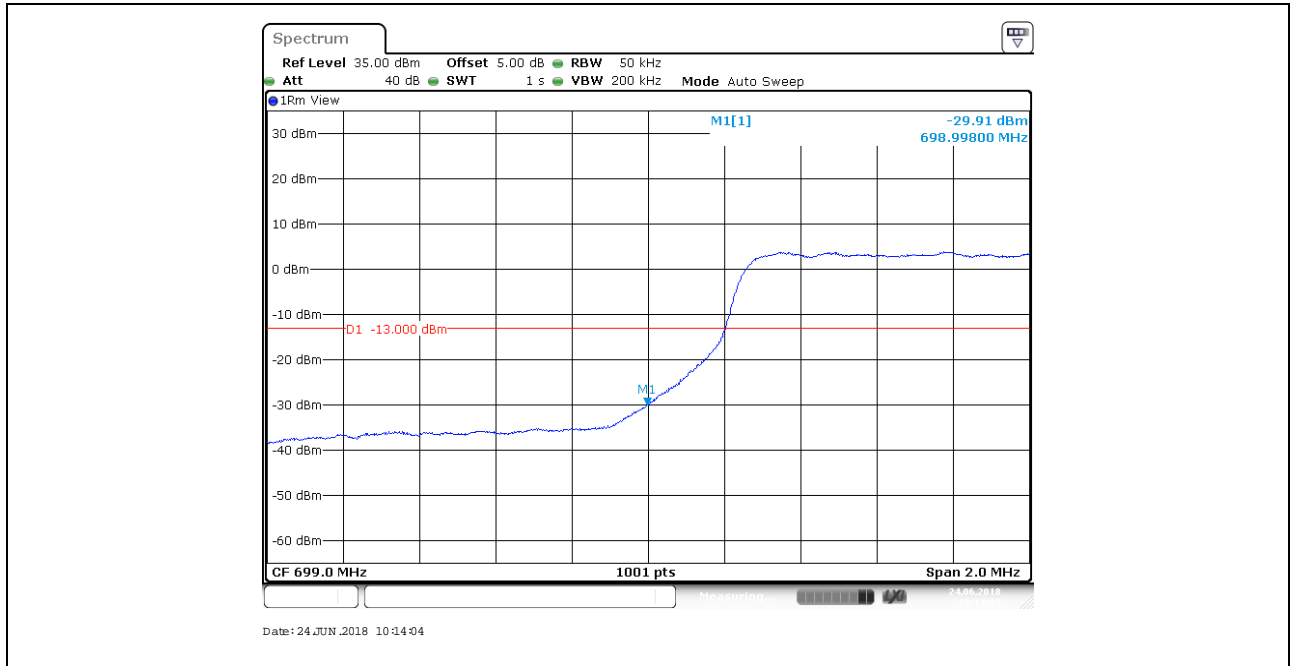
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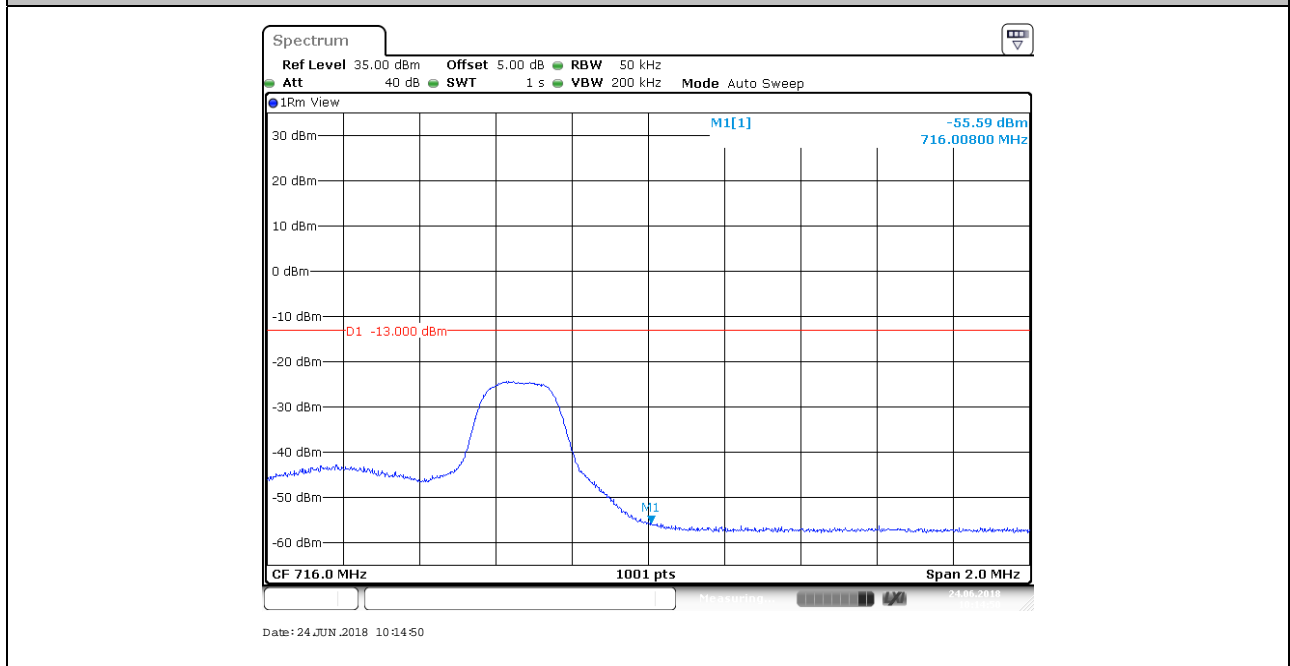
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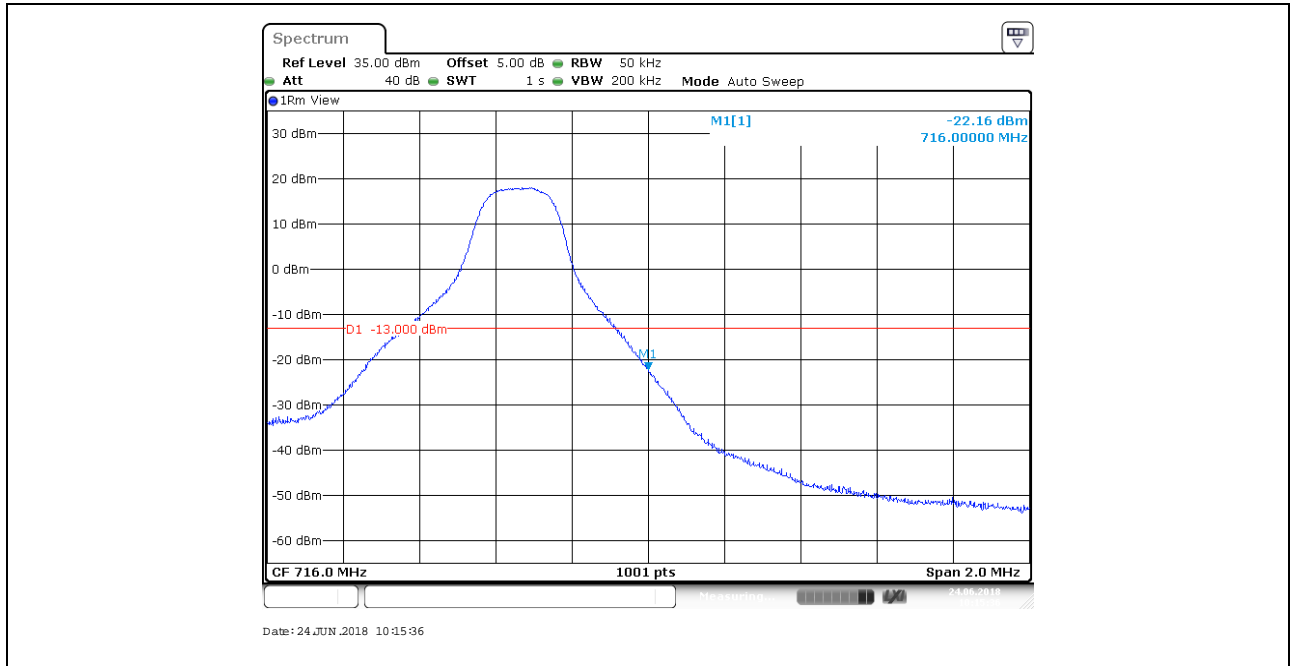
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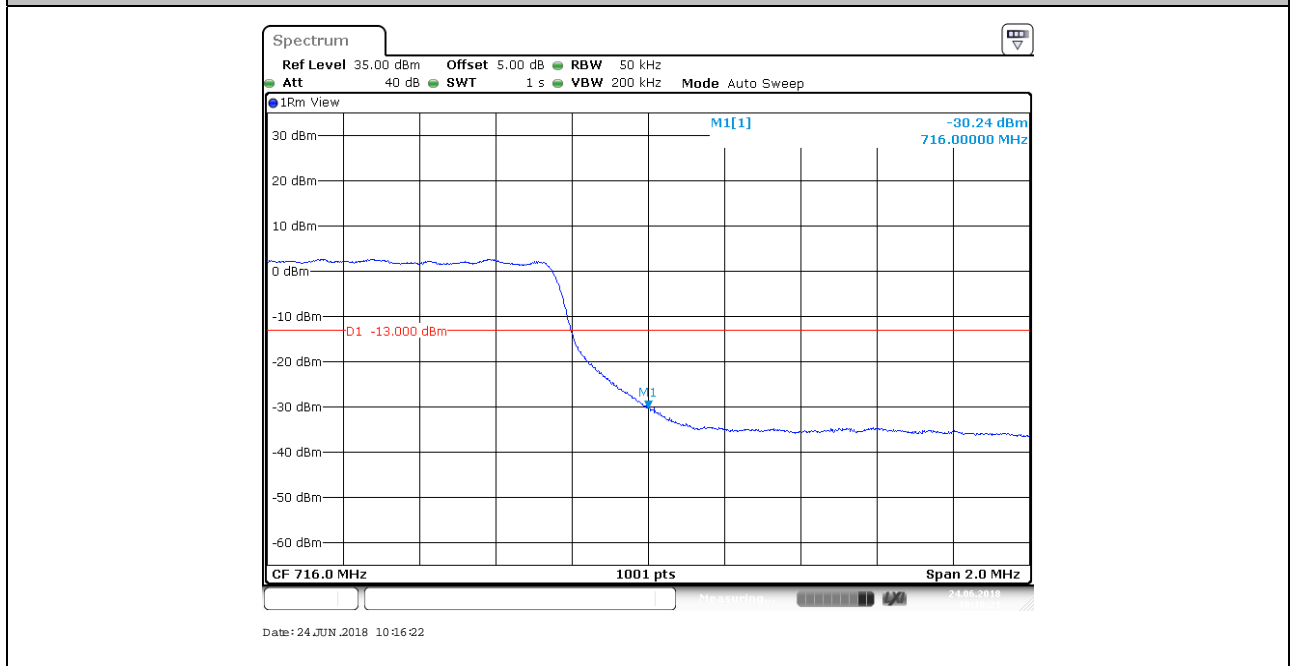
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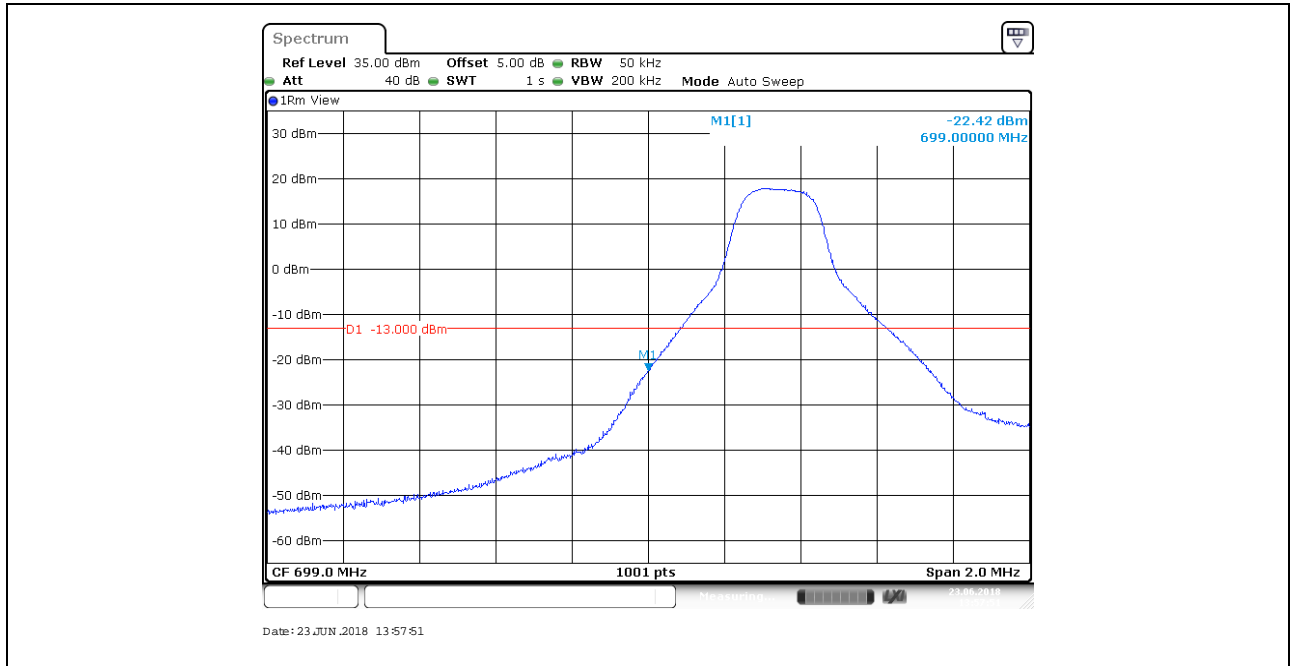
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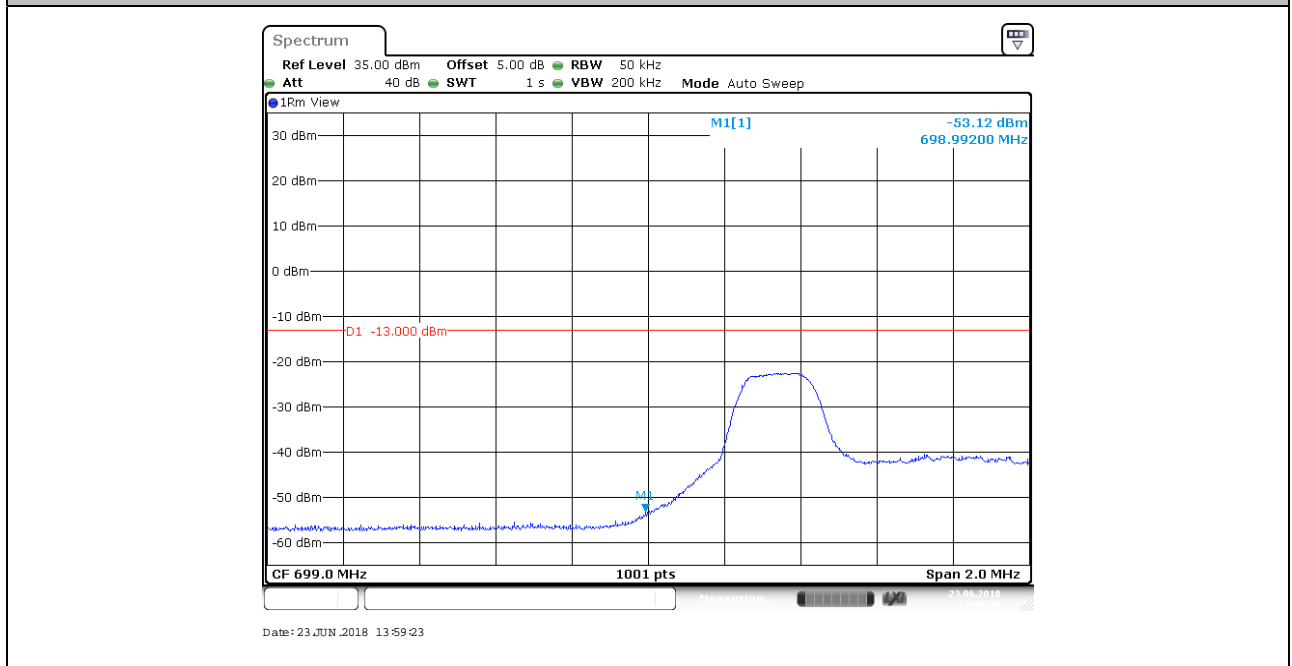
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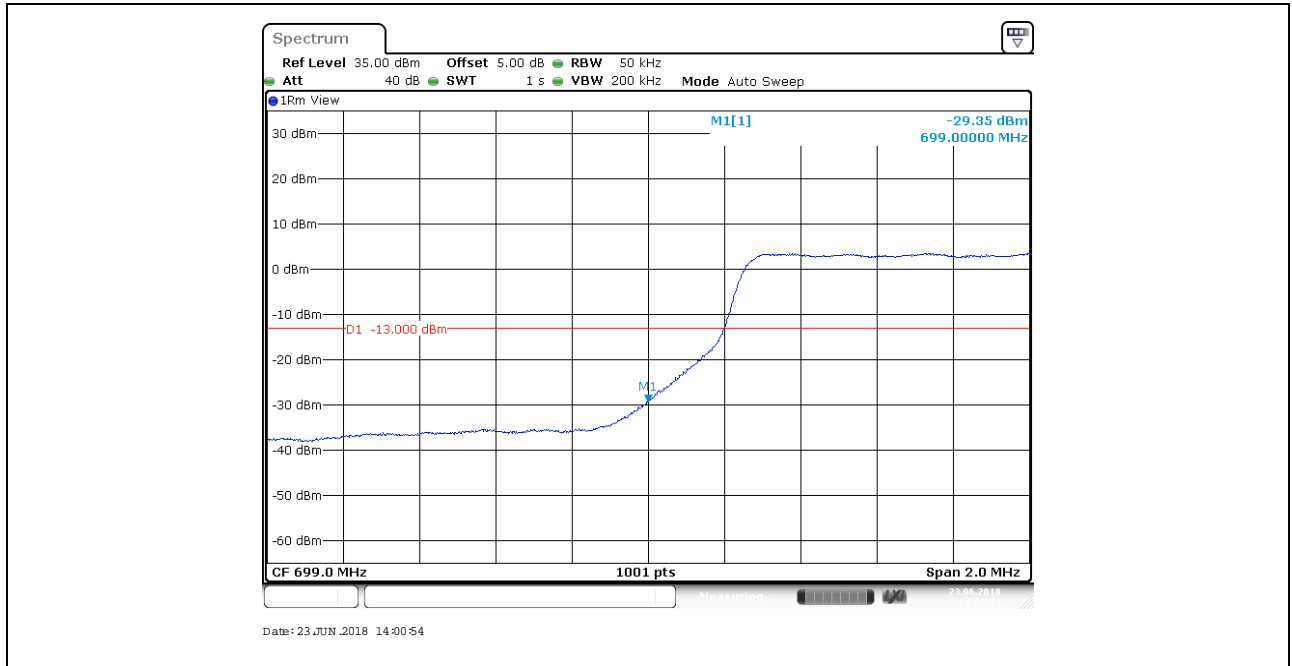
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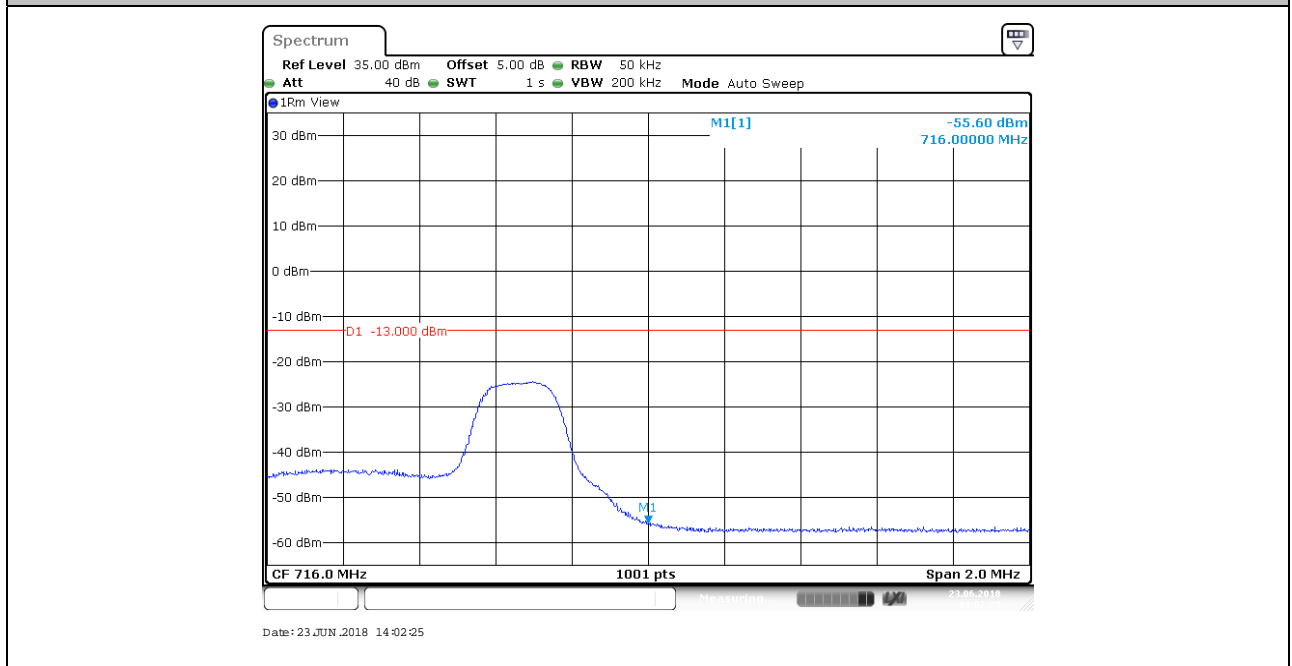
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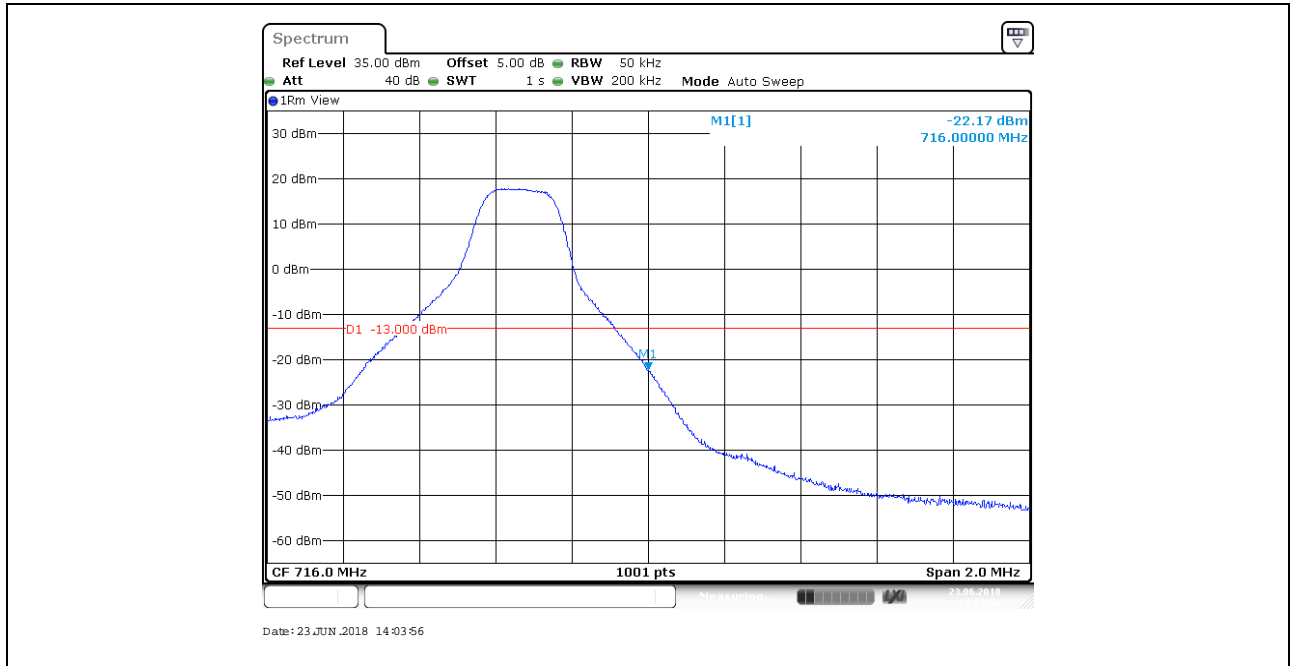
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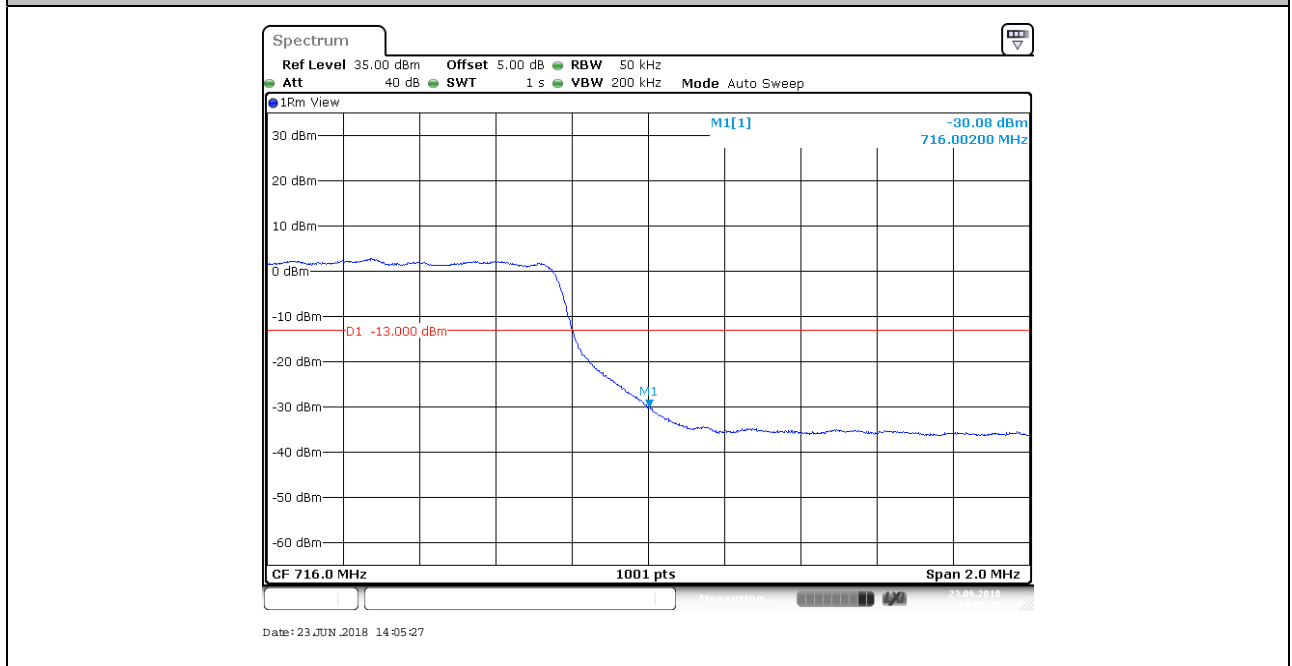
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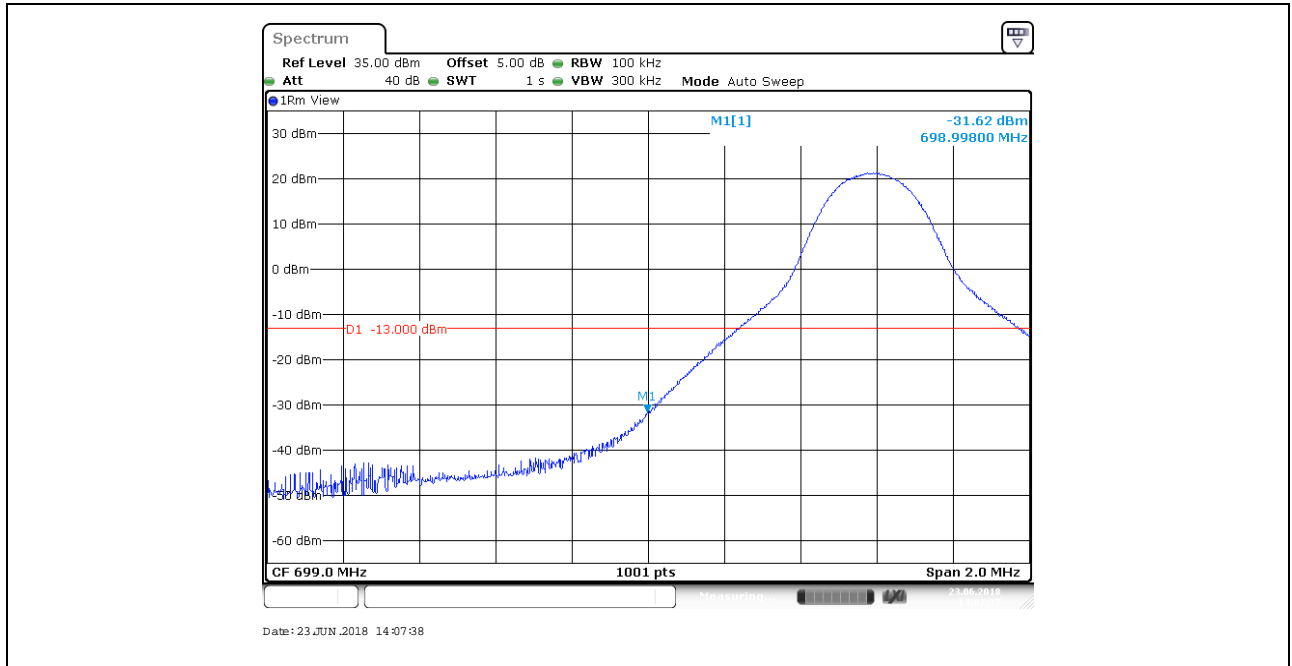
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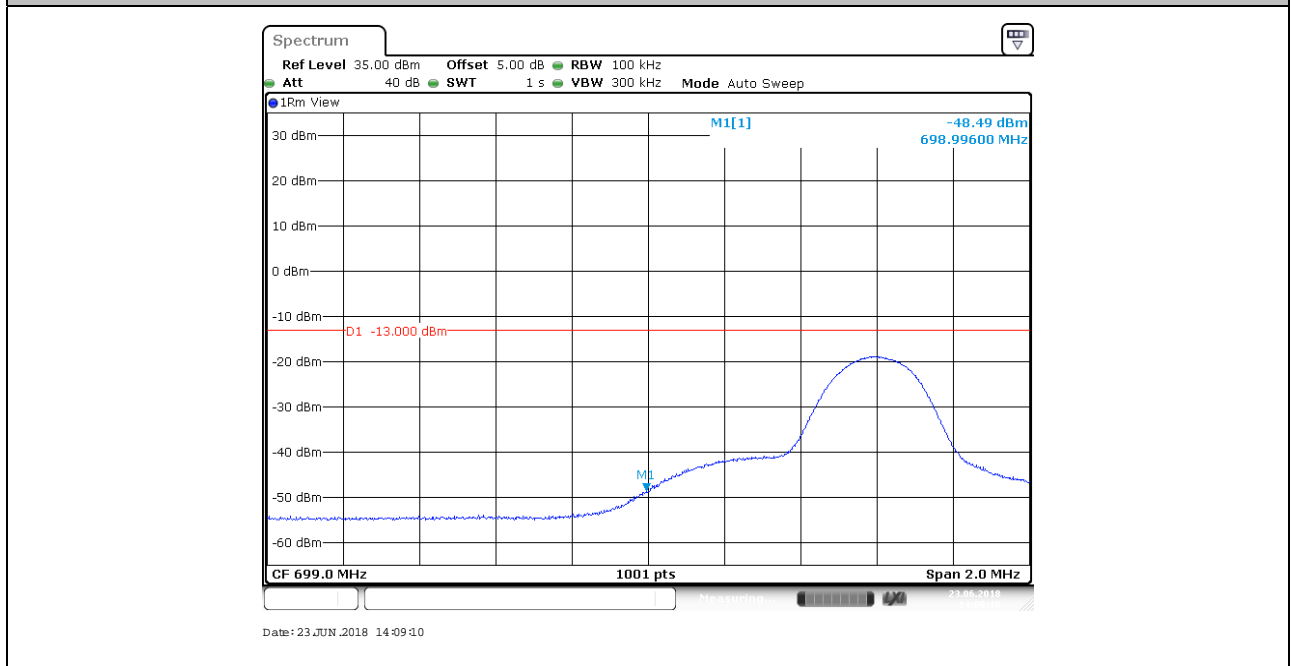
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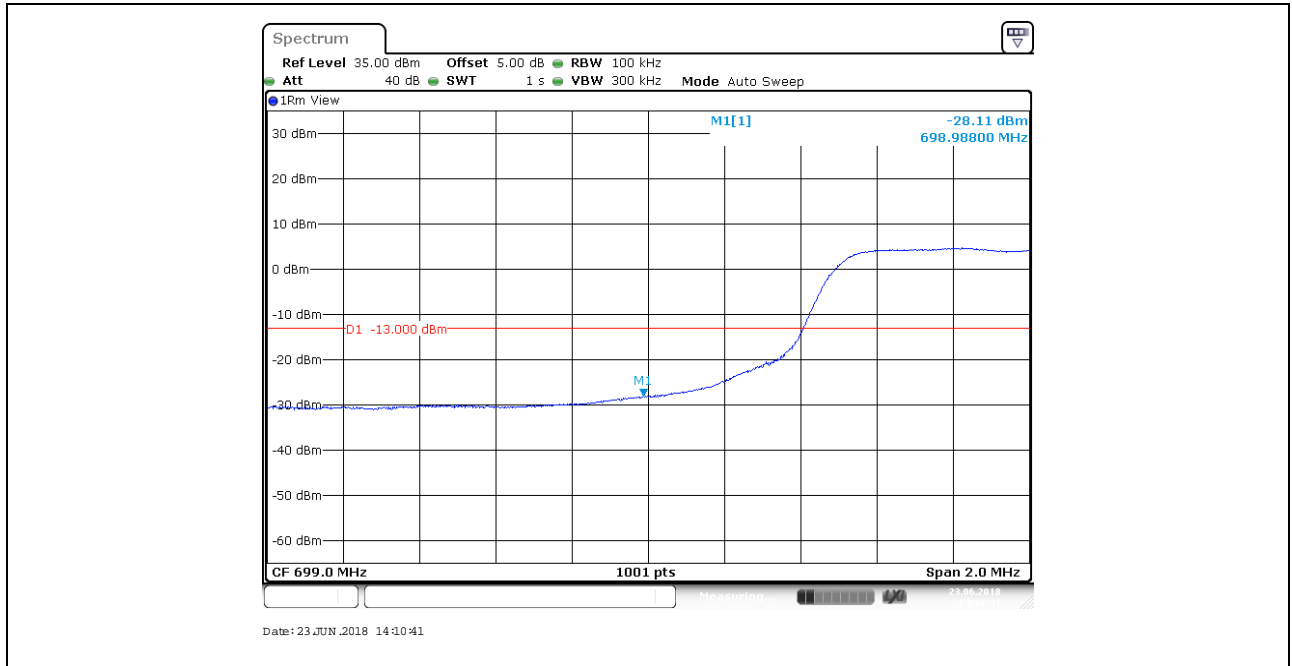
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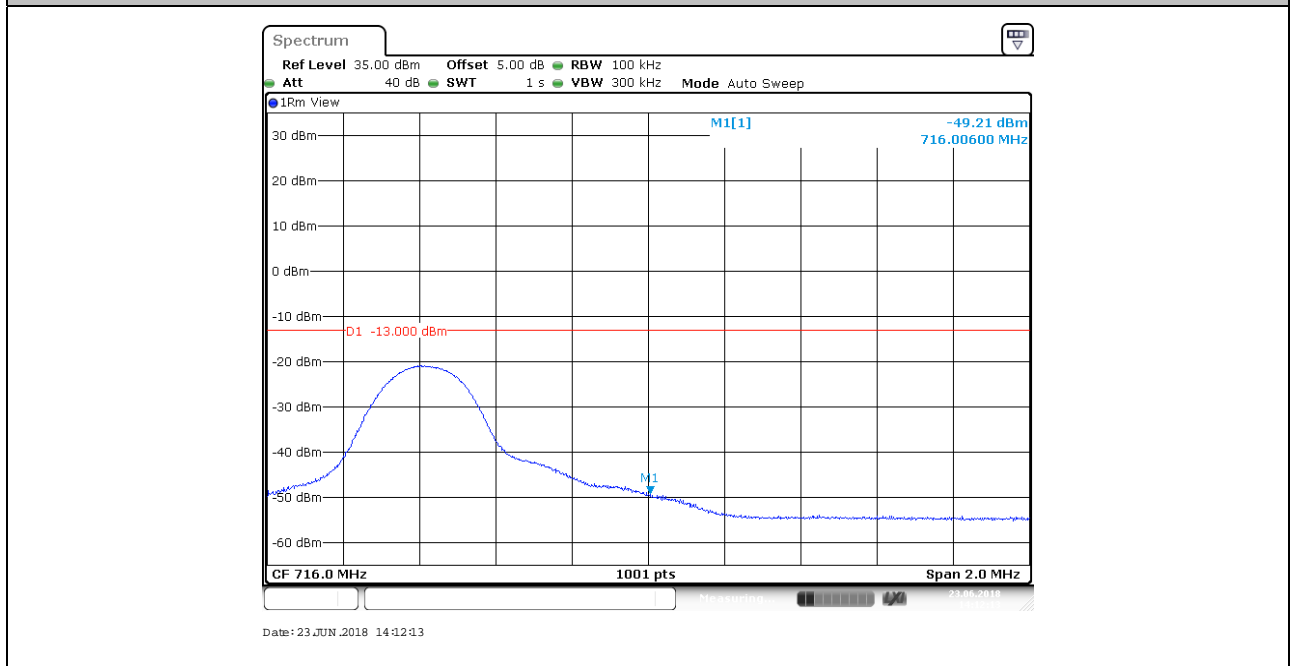
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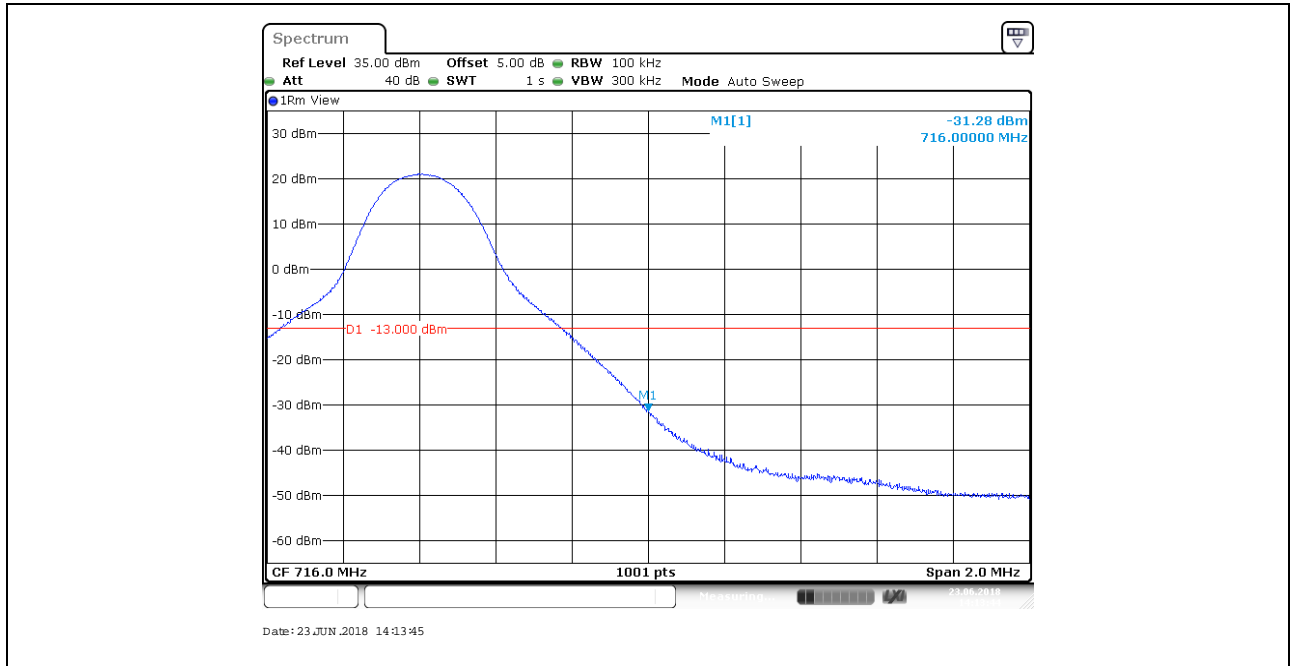
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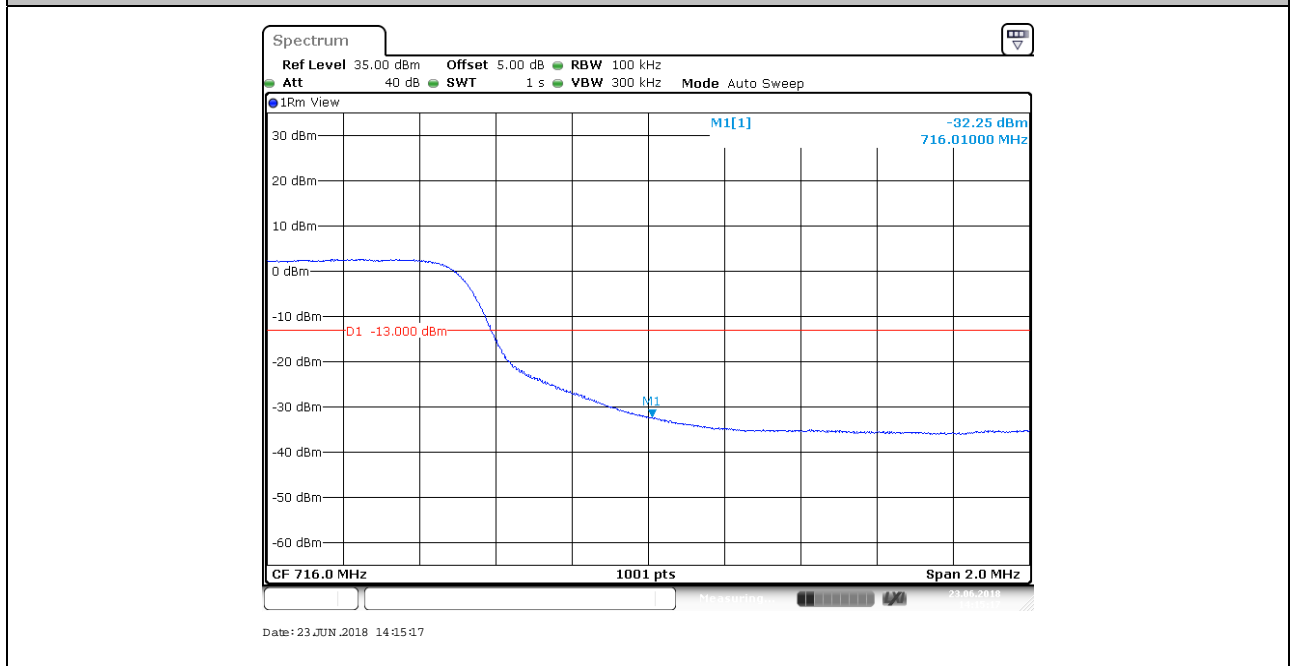
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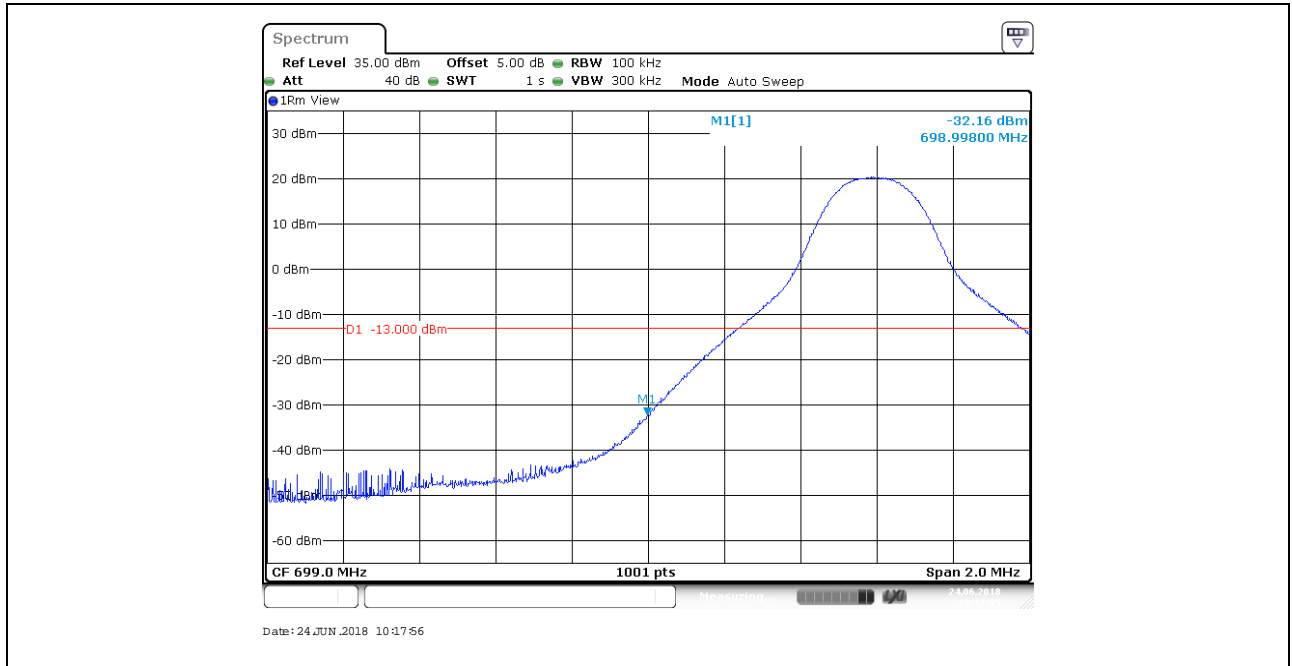
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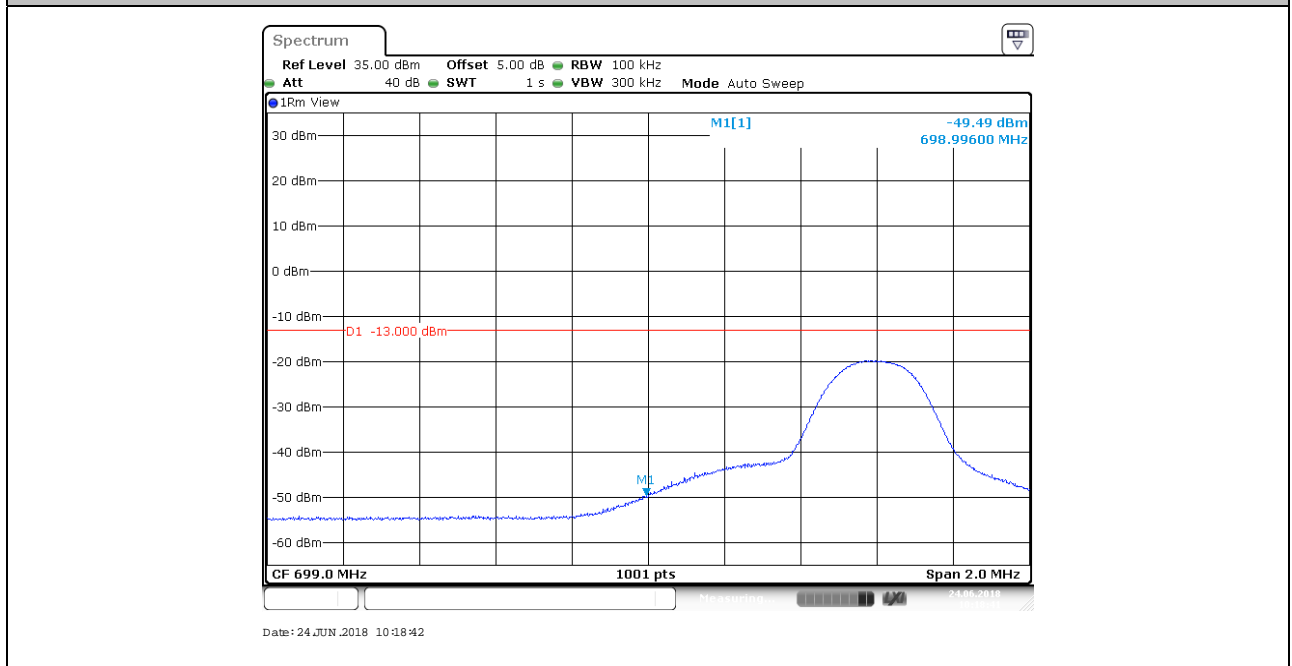
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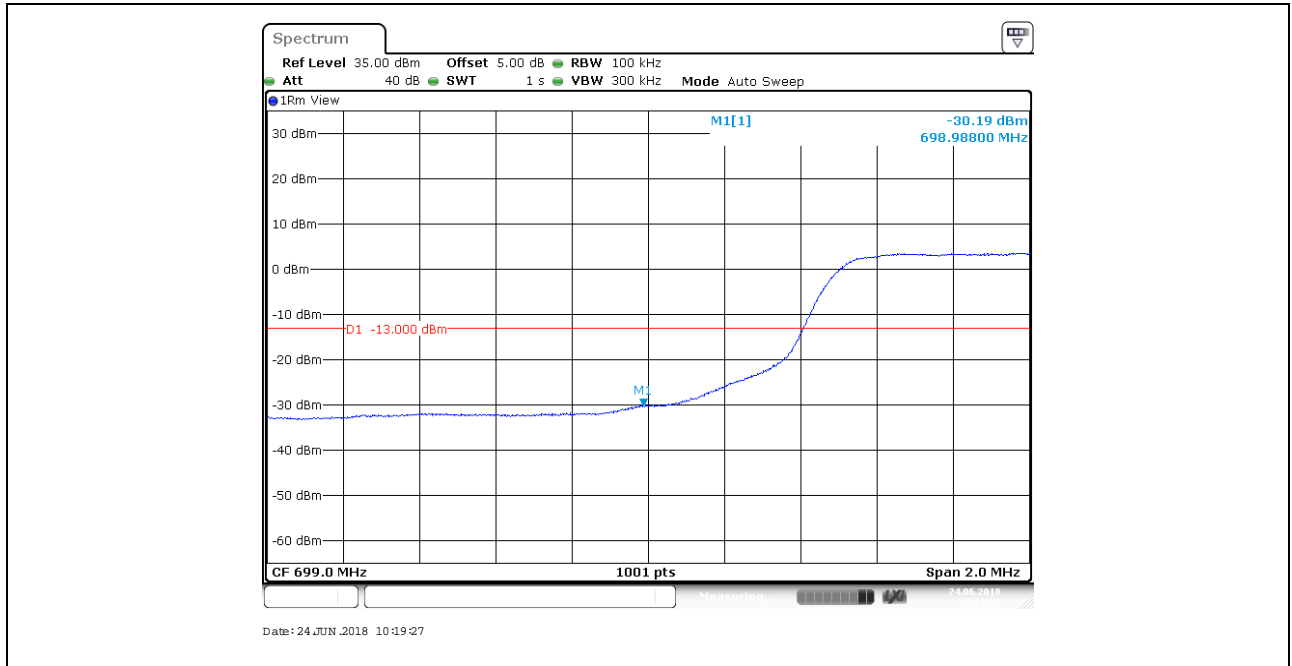
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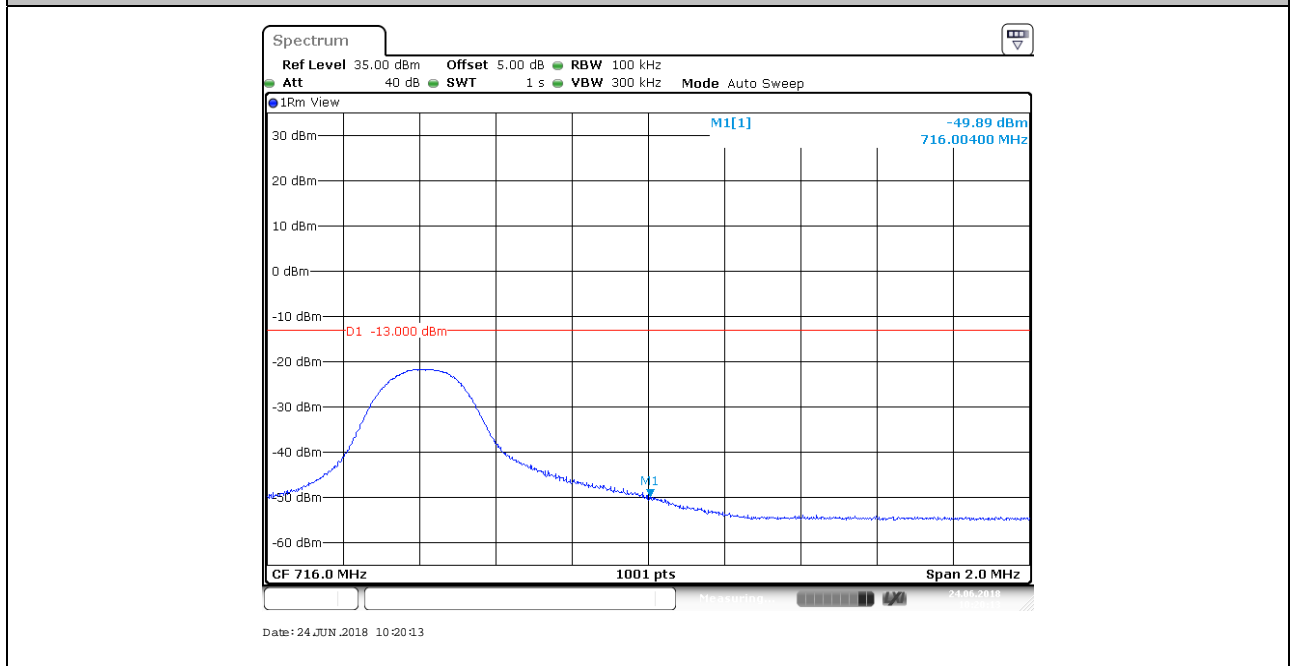
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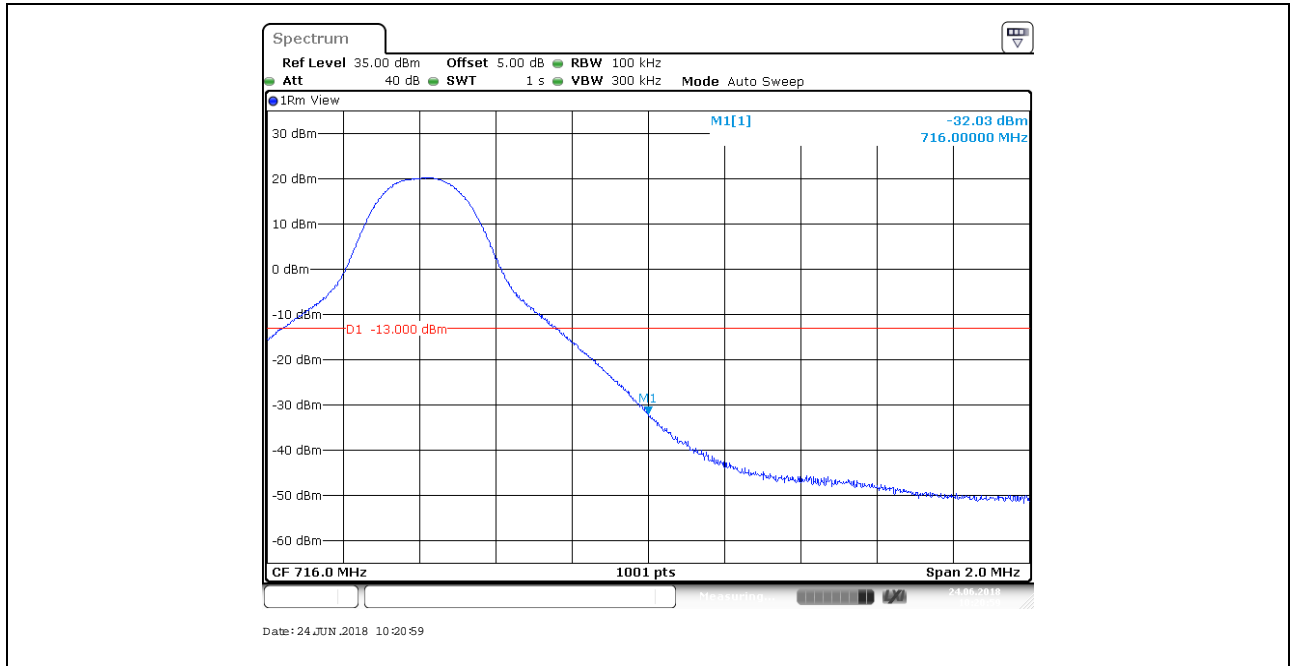
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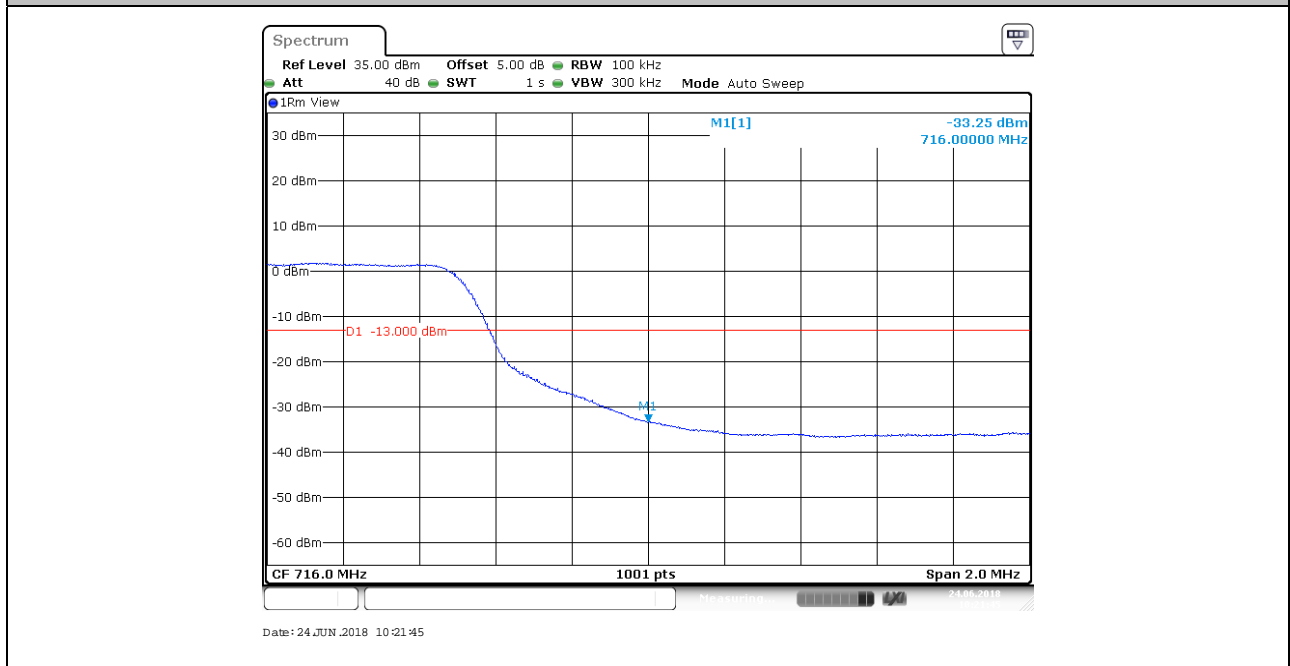
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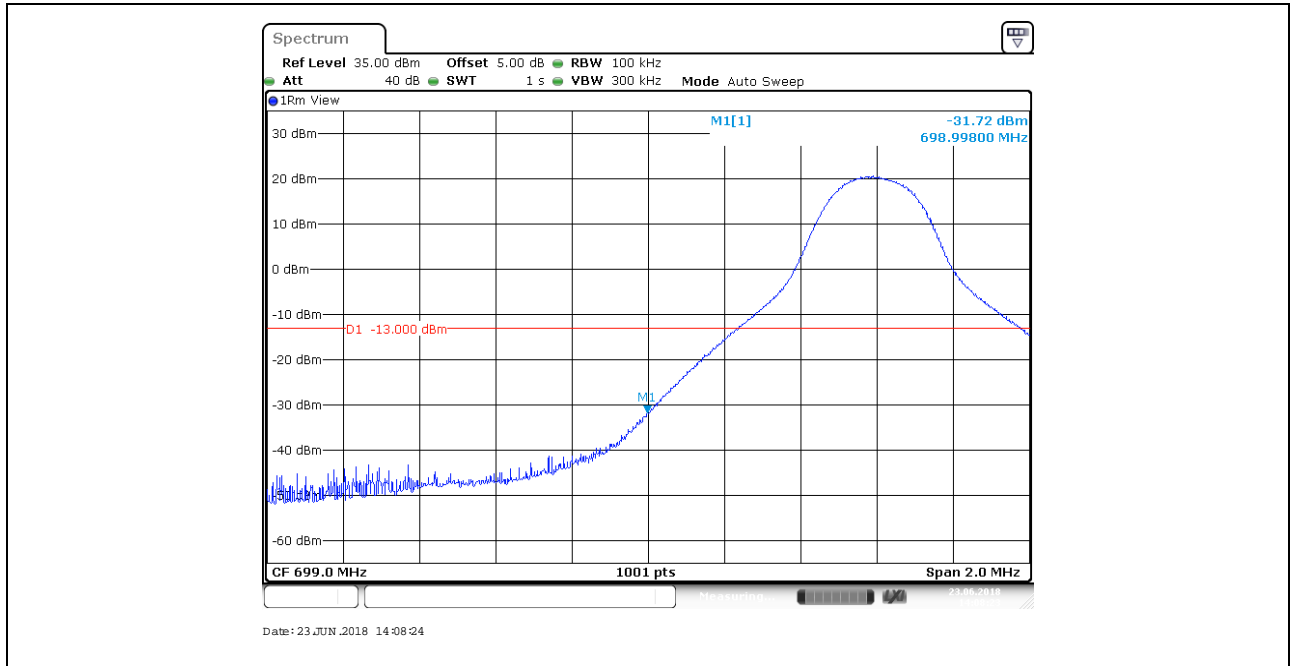
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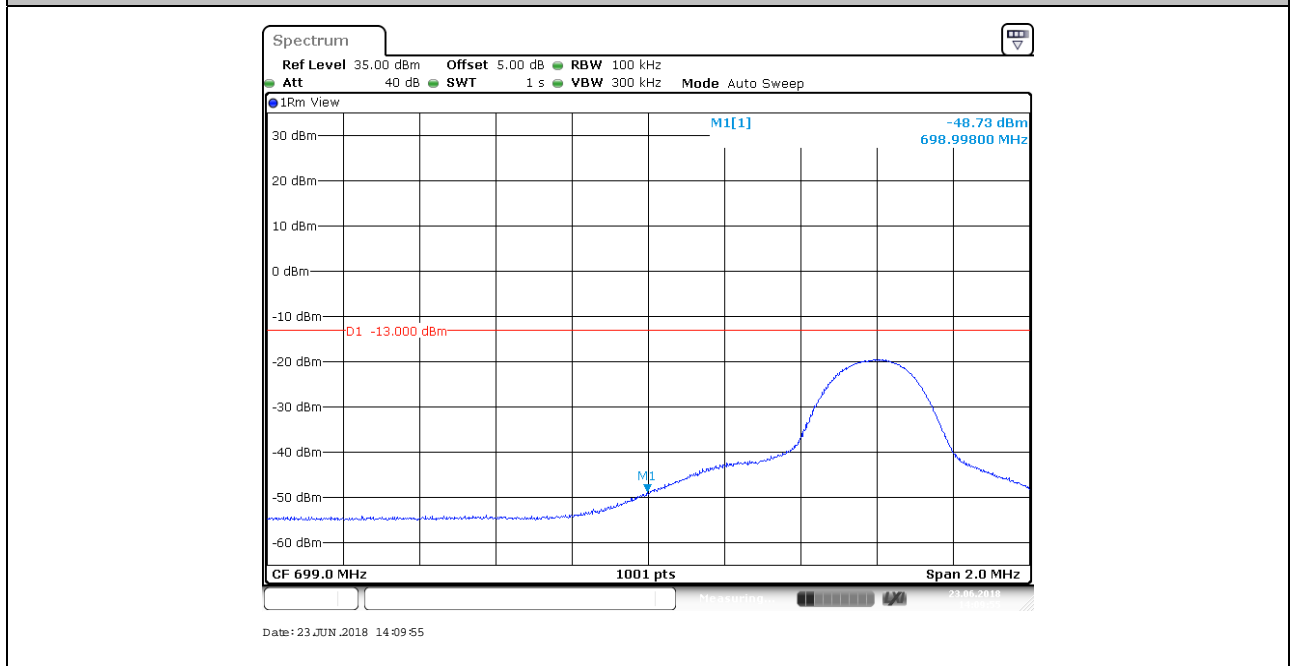
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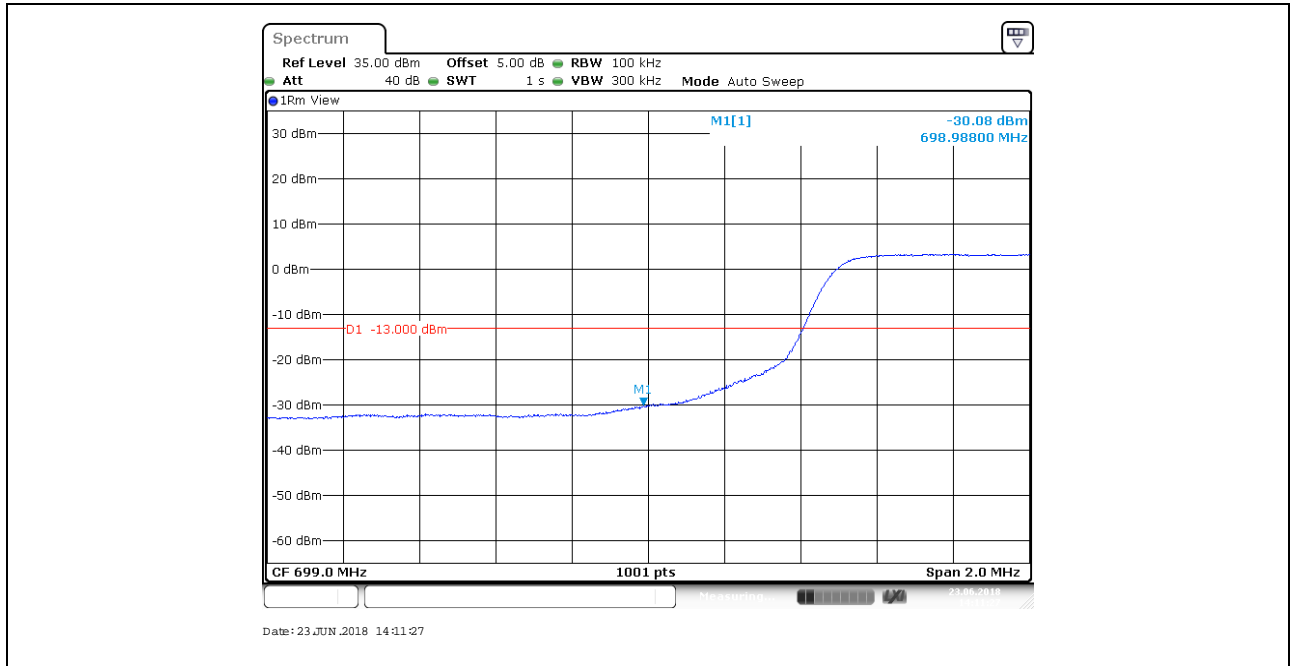
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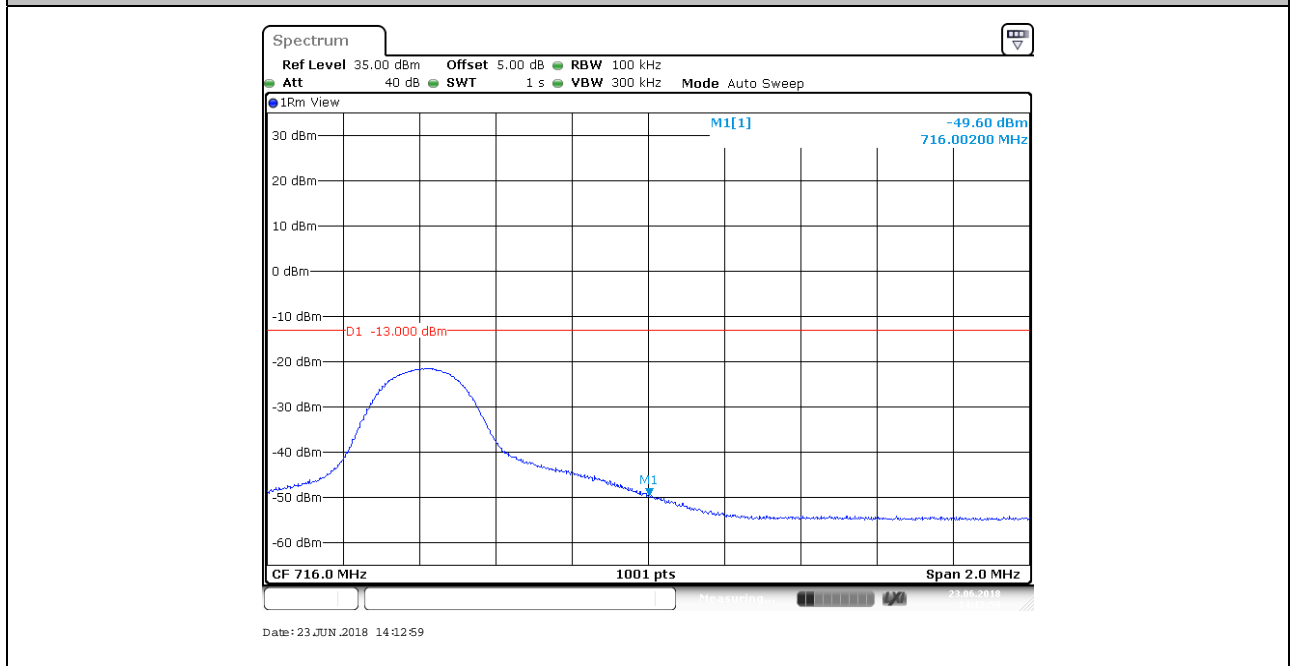
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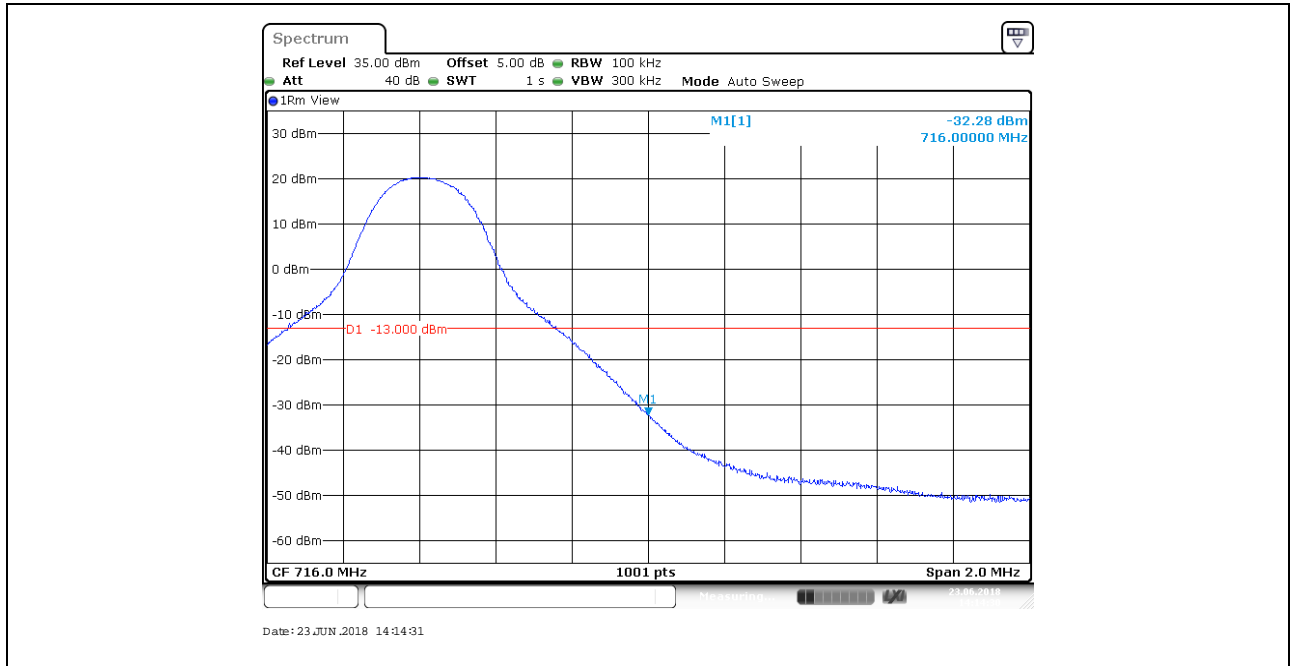
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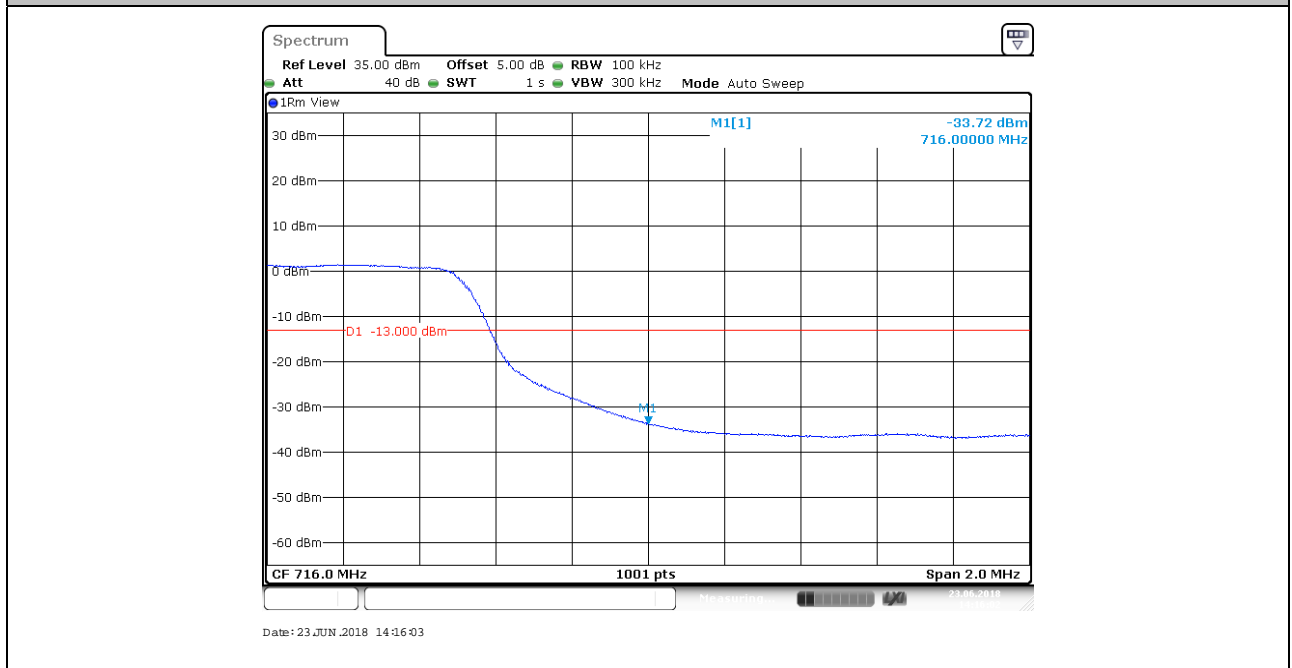
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BAND 12_10MHz_16QAM_23130_1RB#49



BAND 12_10MHz_16QAM_23130_50RB#0





6. Spurious Emission at Antenna Terminal

NOTE: 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.

6.1. Test Result

BAND	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
BAND 12	10MHz	QPSK	23060	1RB#0	Range1:0.009~0.15MHz	-58.68	PASS
BAND 12	10MHz	QPSK	23060	1RB#0	Range2:0.15~30MHz	-53.77	PASS
BAND 12	10MHz	QPSK	23060	1RB#0	Range3:30~1000MHz	-43.81	PASS
BAND 12	10MHz	QPSK	23060	1RB#0	Range4:1000~5000MHz	-43.41	PASS
BAND 12	10MHz	QPSK	23060	1RB#0	Range5:5000~12000MHz	-49.69	PASS
BAND 12	10MHz	QPSK	23060	1RB#0	Range6:12000~18000MHz	-49.76	PASS
BAND 12	10MHz	QPSK	23095	1RB#0	Range1:0.009~0.15MHz	-59.14	PASS
BAND 12	10MHz	QPSK	23095	1RB#0	Range2:0.15~30MHz	-53.23	PASS
BAND 12	10MHz	QPSK	23095	1RB#0	Range3:30~1000MHz	-44.4	PASS
BAND 12	10MHz	QPSK	23095	1RB#0	Range4:1000~5000MHz	-43.36	PASS
BAND 12	10MHz	QPSK	23095	1RB#0	Range5:5000~12000MHz	-49.57	PASS
BAND 12	10MHz	QPSK	23095	1RB#0	Range6:12000~18000MHz	-49.61	PASS
BAND 12	10MHz	QPSK	23130	1RB#0	Range1:0.009~0.15MHz	-57.96	PASS
BAND 12	10MHz	QPSK	23130	1RB#0	Range2:0.15~30MHz	-53.62	PASS
BAND 12	10MHz	QPSK	23130	1RB#0	Range3:30~1000MHz	-44.48	PASS
BAND 12	10MHz	QPSK	23130	1RB#0	Range4:1000~5000MHz	-43.28	PASS
BAND 12	10MHz	QPSK	23130	1RB#0	Range5:5000~12000MHz	-49.59	PASS
BAND 12	10MHz	QPSK	23130	1RB#0	Range6:12000~18000MHz	-49.56	PASS
BAND 12	10MHz	64QAM	23060	1RB#0	Range1:0.009~0.15MHz	-58.52	PASS
BAND 12	10MHz	64QAM	23060	1RB#0	Range2:0.15~30MHz	-54.3	PASS
BAND 12	10MHz	64QAM	23060	1RB#0	Range3:30~1000MHz	-43.72	PASS
BAND 12	10MHz	64QAM	23060	1RB#0	Range4:1000~5000MHz	-43.5	PASS
BAND 12	10MHz	64QAM	23060	1RB#0	Range5:5000~12000MHz	-49.47	PASS
BAND 12	10MHz	64QAM	23060	1RB#0	Range6:12000~18000MHz	-49.58	PASS
BAND 12	10MHz	64QAM	23095	1RB#0	Range1:0.009~0.15MHz	-58.76	PASS
BAND 12	10MHz	64QAM	23095	1RB#0	Range2:0.15~30MHz	-53.2	PASS
BAND 12	10MHz	64QAM	23095	1RB#0	Range3:30~1000MHz	-43.58	PASS
BAND 12	10MHz	64QAM	23095	1RB#0	Range4:1000~5000MHz	-43.52	PASS
BAND 12	10MHz	64QAM	23095	1RB#0	Range5:5000~12000MHz	-49.57	PASS
BAND 12	10MHz	64QAM	23095	1RB#0	Range6:12000~18000MHz	-49.58	PASS



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

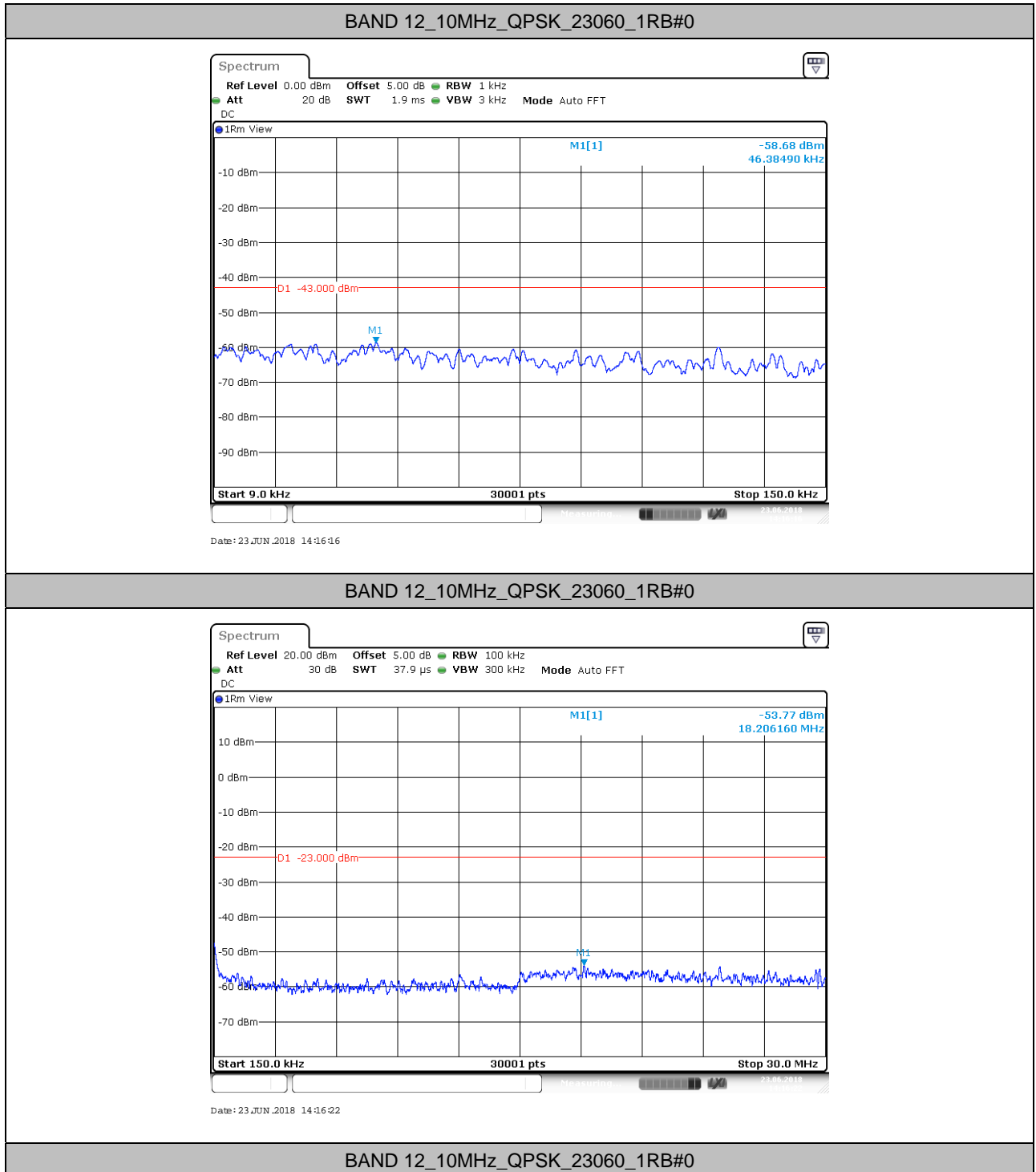
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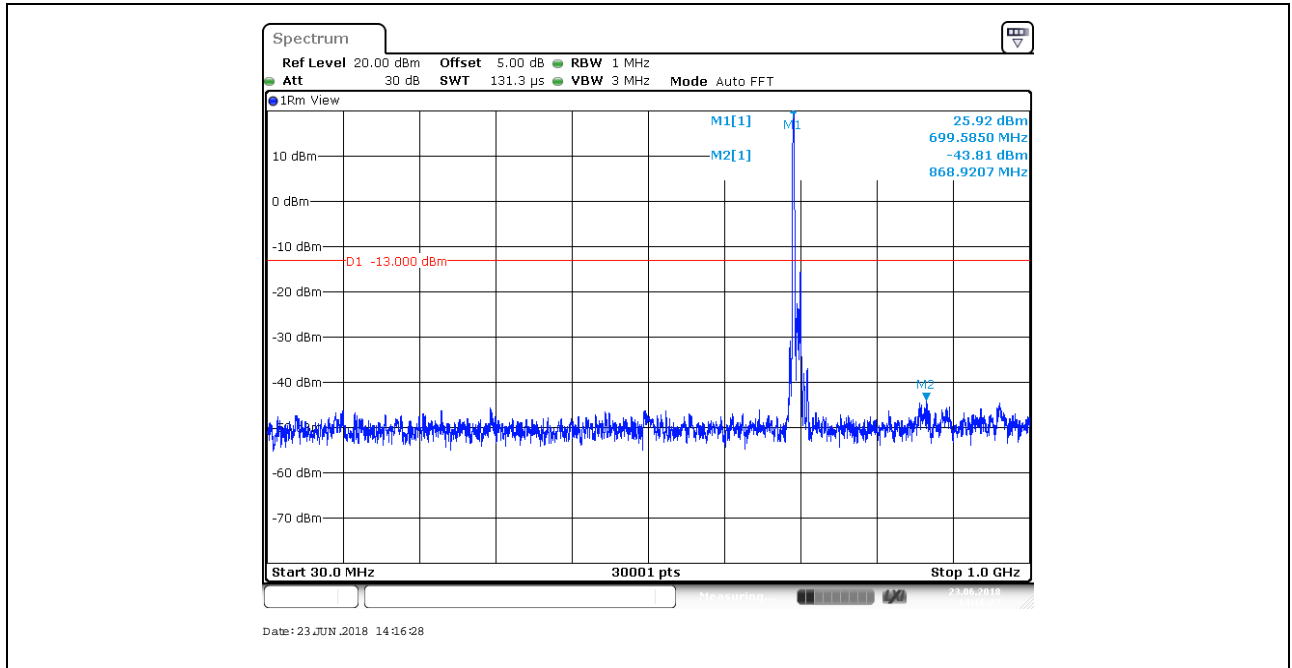
Page: 76 of 107

BAND 12	10MHz	64QAM	23130	1RB#0	Range1:0.009~0.15MHz	-57.11	PASS
BAND 12	10MHz	64QAM	23130	1RB#0	Range2:0.15~30MHz	-52.88	PASS
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BAND 12	10MHz	64QAM	23130	1RB#0	Range5:5000~12000MHz	-49.58	PASS
BAND 12	10MHz	64QAM	23130	1RB#0	Range6:12000~18000MHz	-49.65	PASS
BAND 12	10MHz	16QAM	23060	1RB#0	Range1:0.009~0.15MHz	-59.1	PASS
BAND 12	10MHz	16QAM	23060	1RB#0	Range2:0.15~30MHz	-52.94	PASS
BAND 12	10MHz	16QAM	23060	1RB#0	Range3:30~1000MHz	-43.92	PASS
BAND 12	10MHz	16QAM	23060	1RB#0	Range4:1000~5000MHz	-43.6	PASS
BAND 12	10MHz	16QAM	23060	1RB#0	Range5:5000~12000MHz	-49.59	PASS
BAND 12	10MHz	16QAM	23060	1RB#0	Range6:12000~18000MHz	-49.6	PASS
BAND 12	10MHz	16QAM	23095	1RB#0	Range1:0.009~0.15MHz	-59.53	PASS
BAND 12	10MHz	16QAM	23095	1RB#0	Range2:0.15~30MHz	-53.8	PASS
BAND 12	10MHz	16QAM	23095	1RB#0	Range3:30~1000MHz	-43.63	PASS
BAND 12	10MHz	16QAM	23095	1RB#0	Range4:1000~5000MHz	-43.5	PASS
BAND 12	10MHz	16QAM	23095	1RB#0	Range5:5000~12000MHz	-49.42	PASS
BAND 12	10MHz	16QAM	23095	1RB#0	Range6:12000~18000MHz	-49.63	PASS
BAND 12	10MHz	16QAM	23130	1RB#0	Range1:0.009~0.15MHz	-57.9	PASS
BAND 12	10MHz	16QAM	23130	1RB#0	Range2:0.15~30MHz	-53.62	PASS
BAND 12	10MHz	16QAM	23130	1RB#0	Range3:30~1000MHz	-44.52	PASS
BAND 12	10MHz	16QAM	23130	1RB#0	Range4:1000~5000MHz	-43.43	PASS
BAND 12	10MHz	16QAM	23130	1RB#0	Range5:5000~12000MHz	-49.63	PASS
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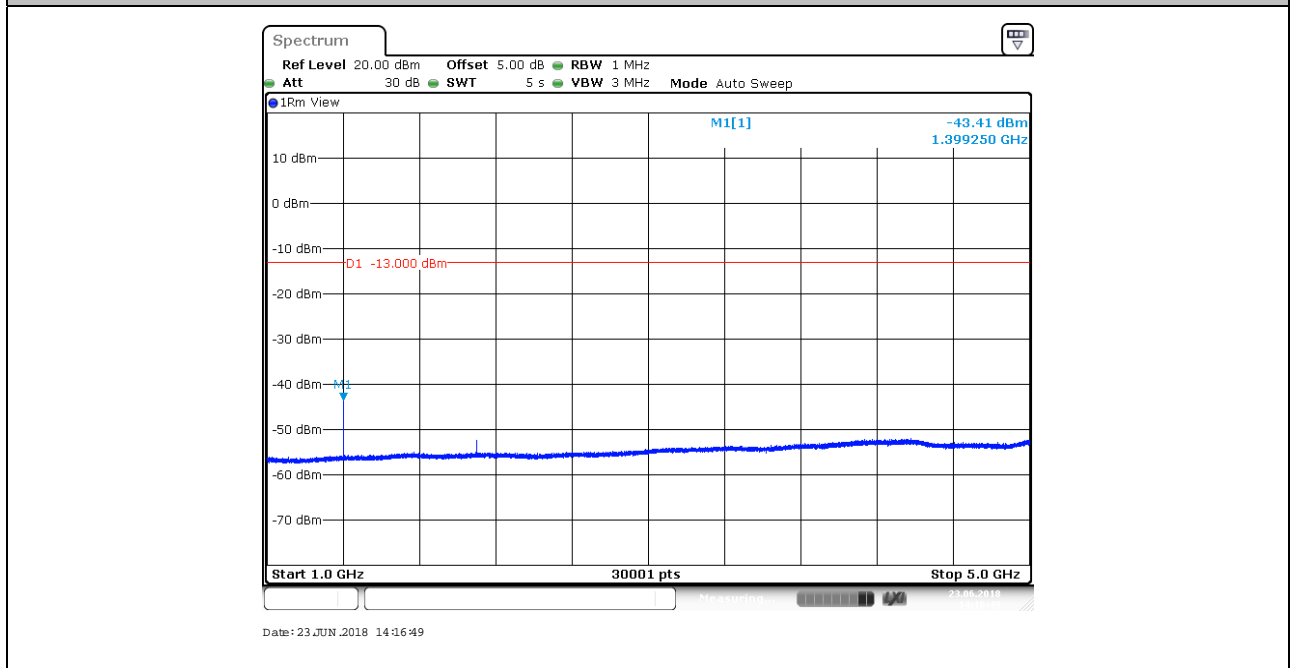


6.2. Test Plots

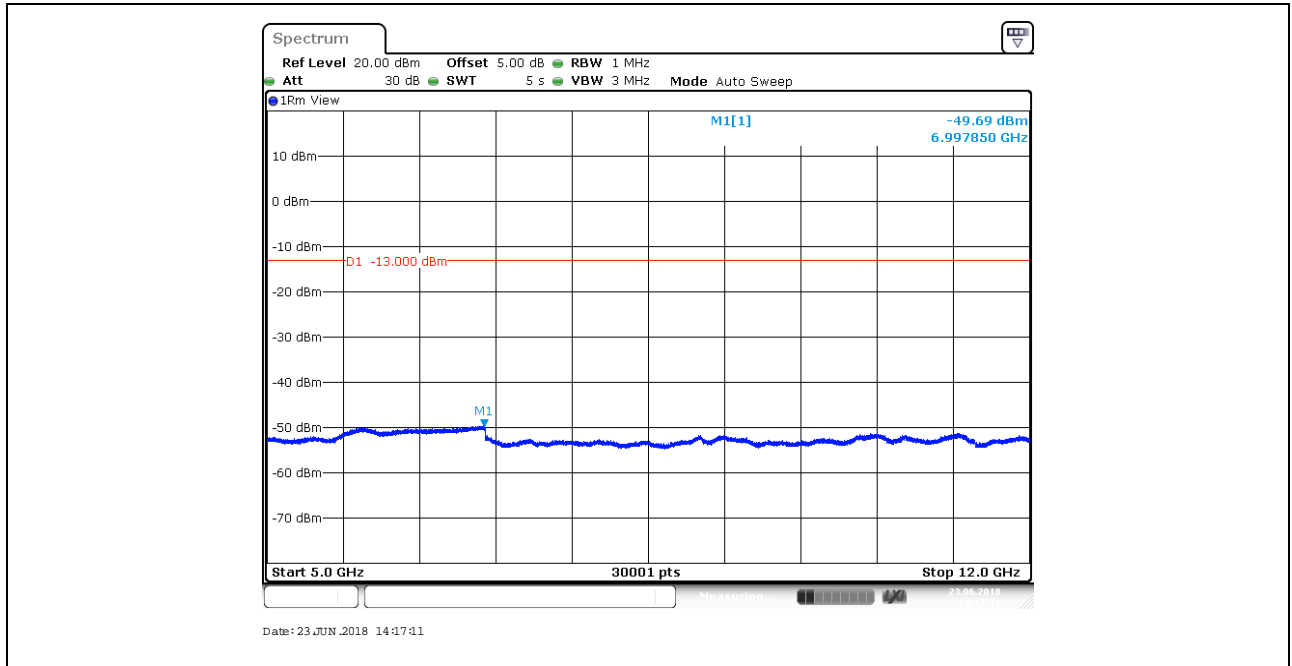




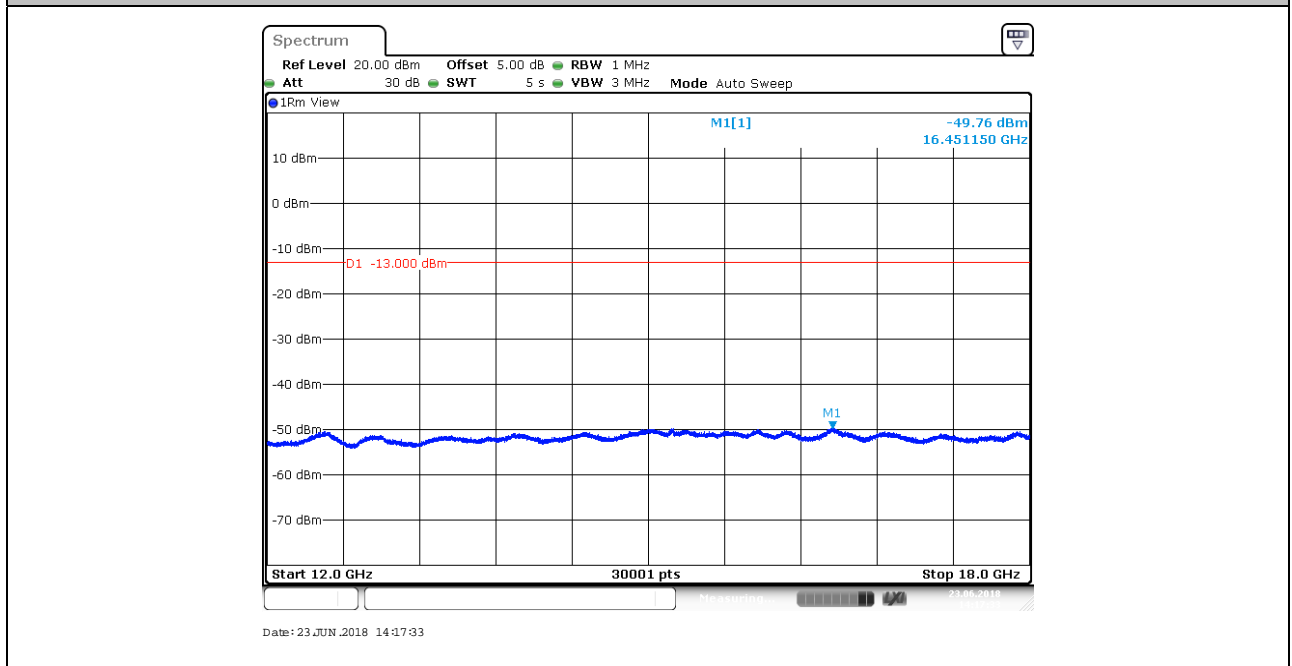
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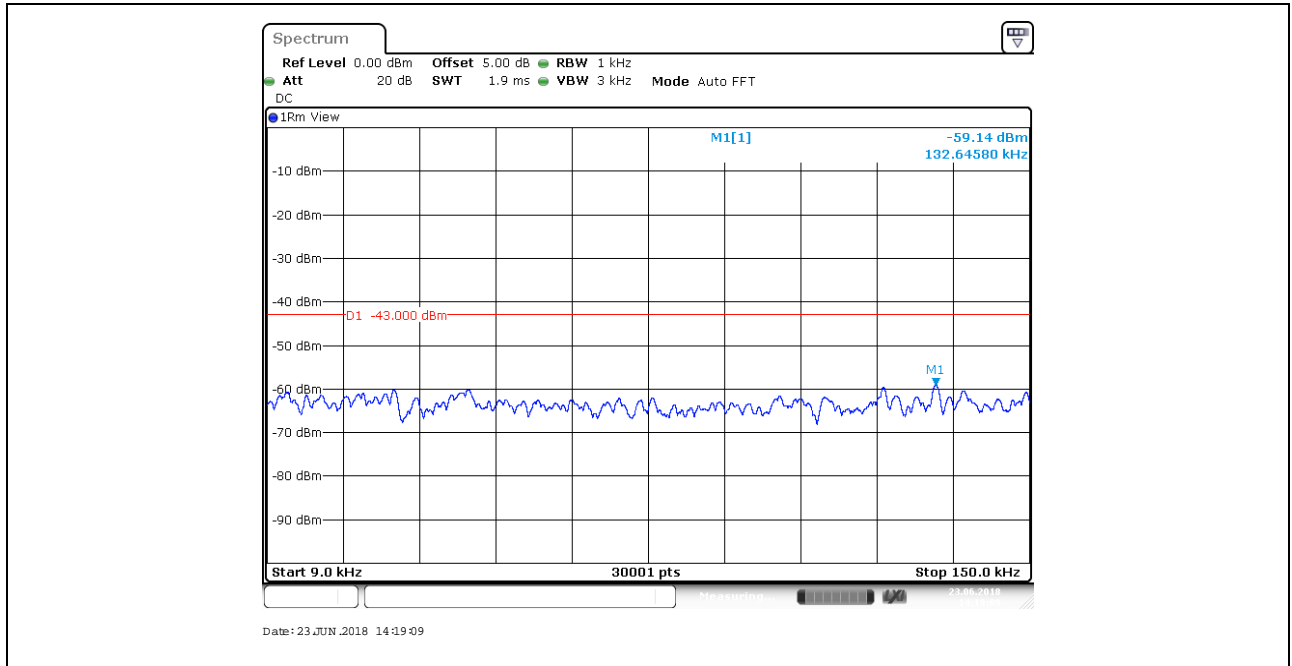
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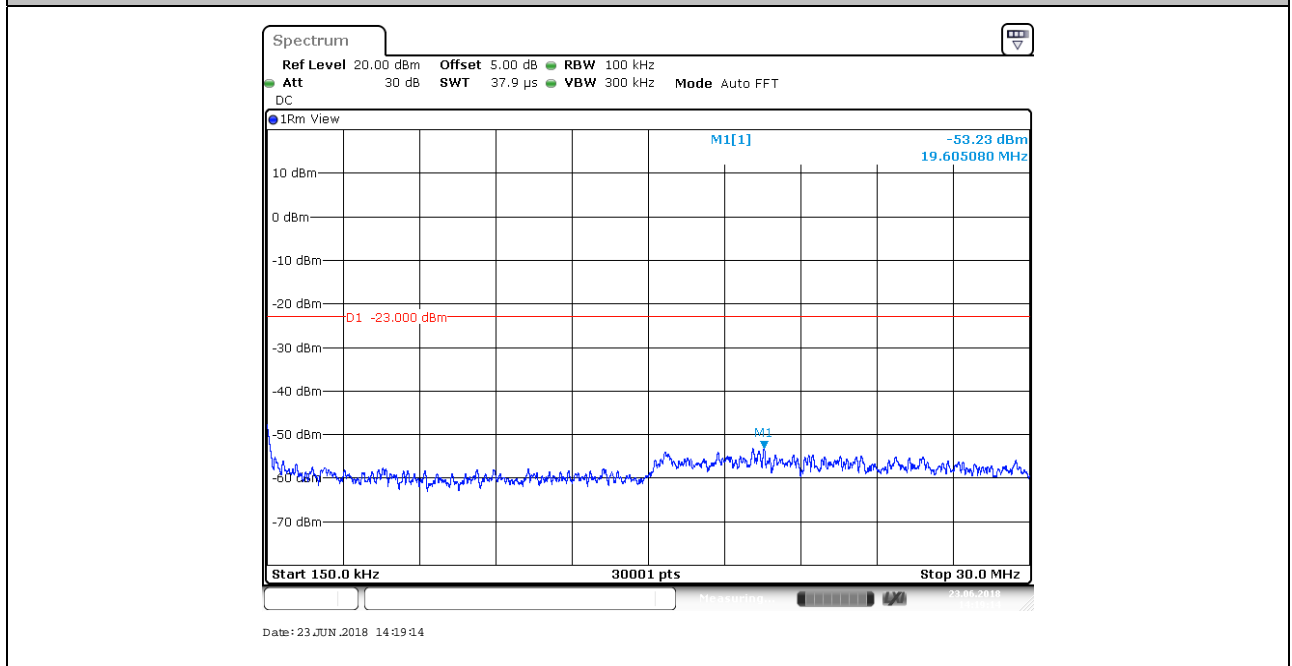
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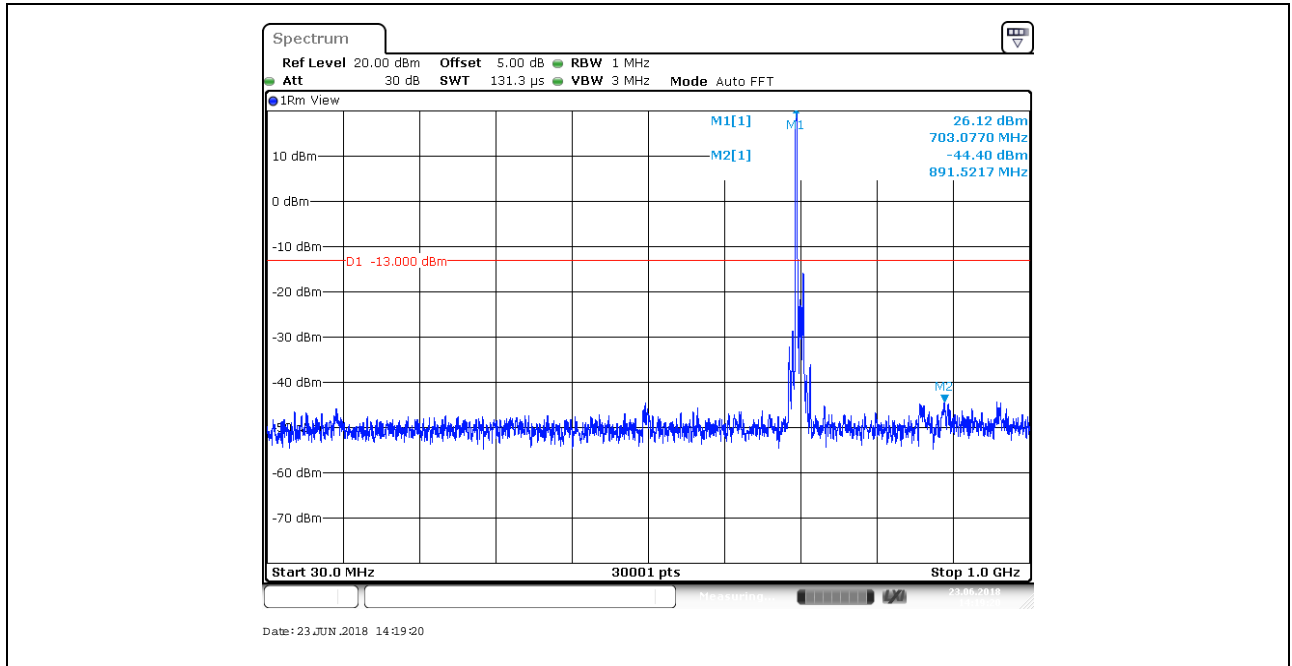
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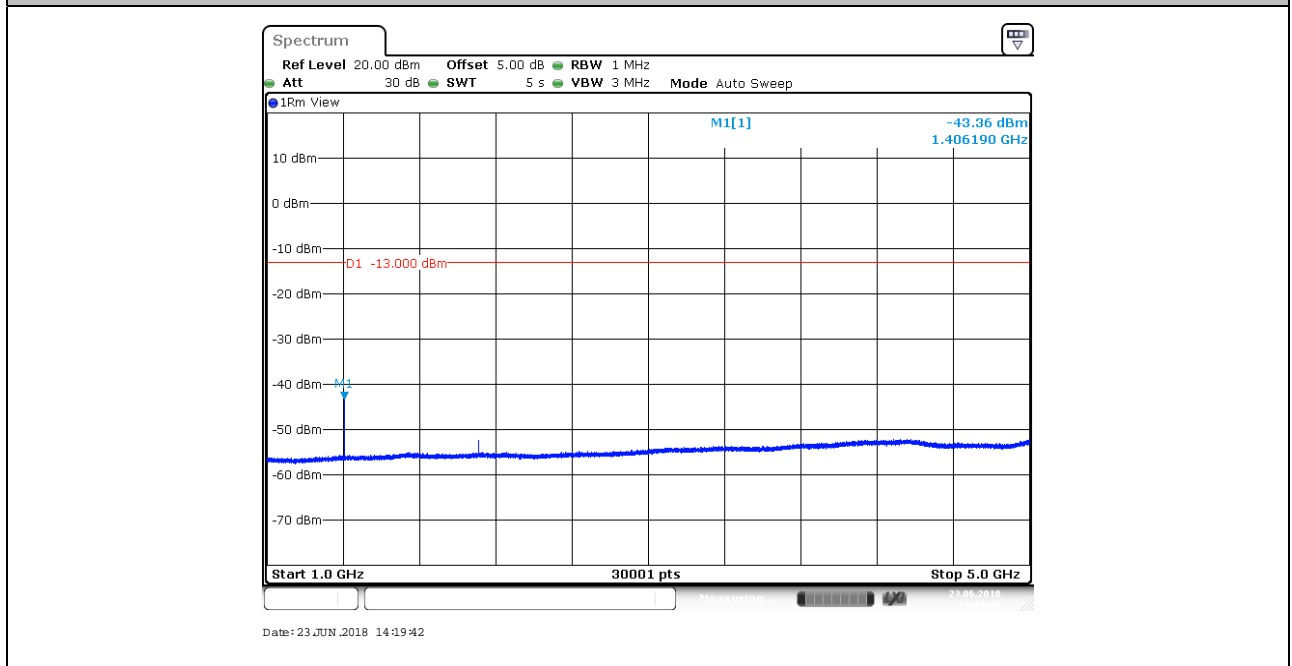
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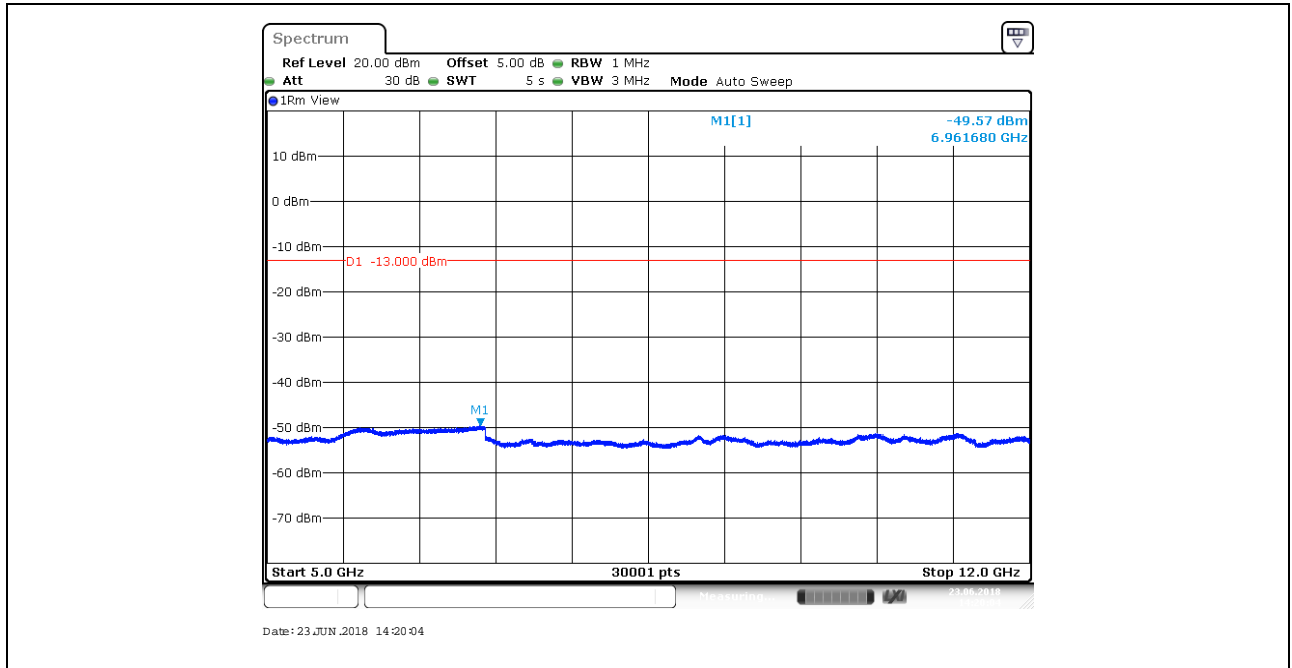
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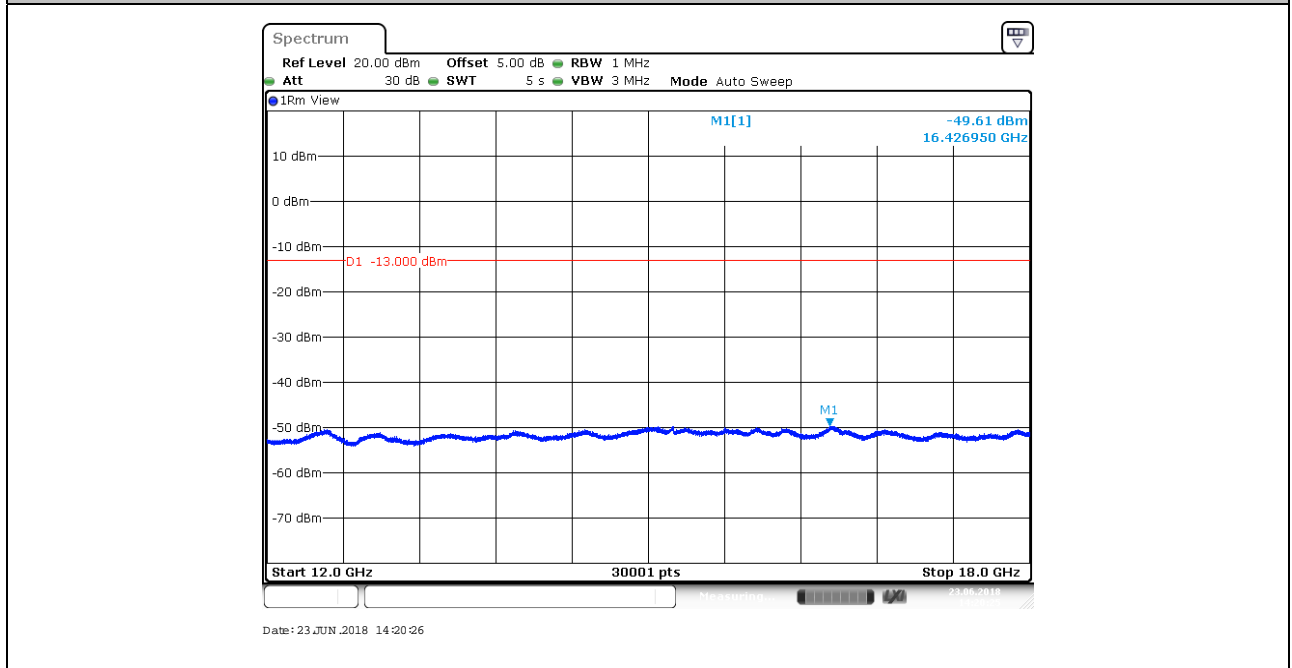
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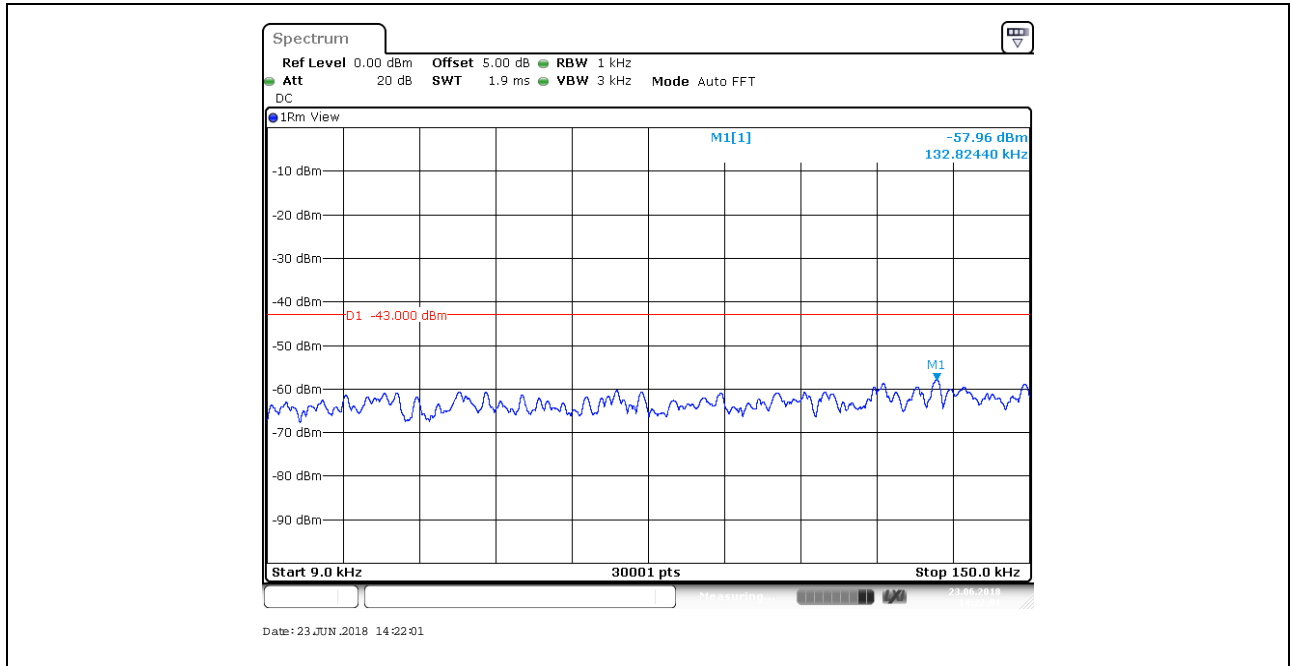
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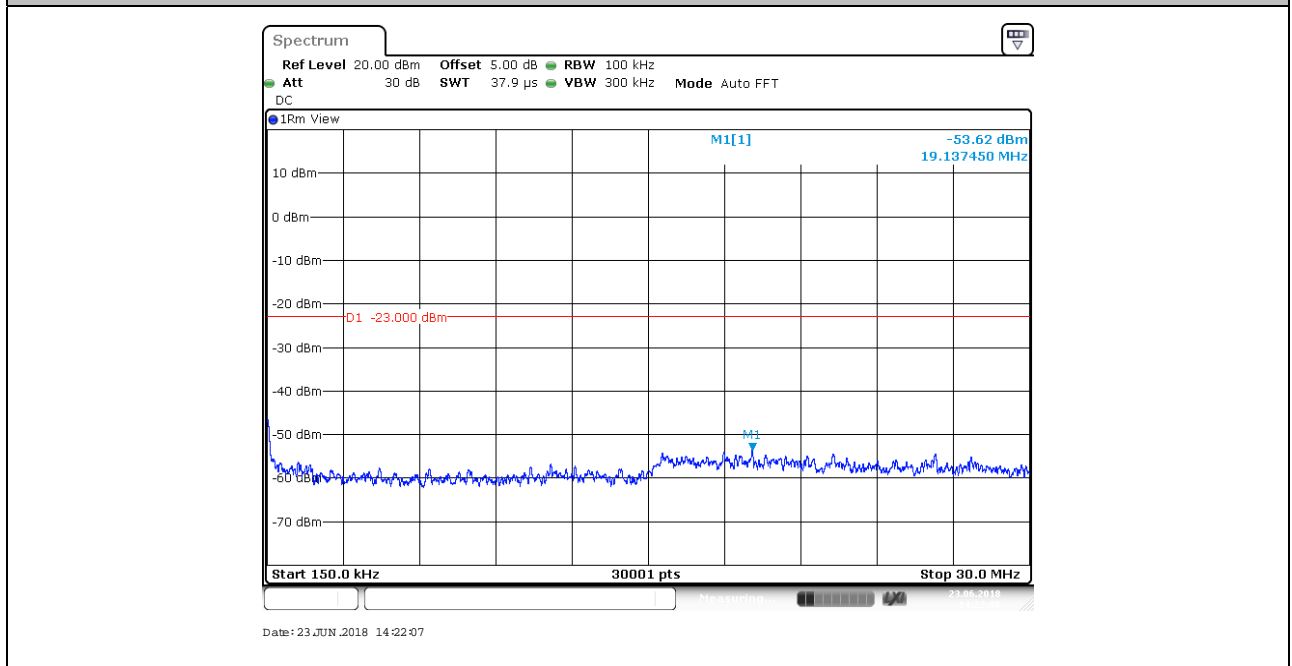
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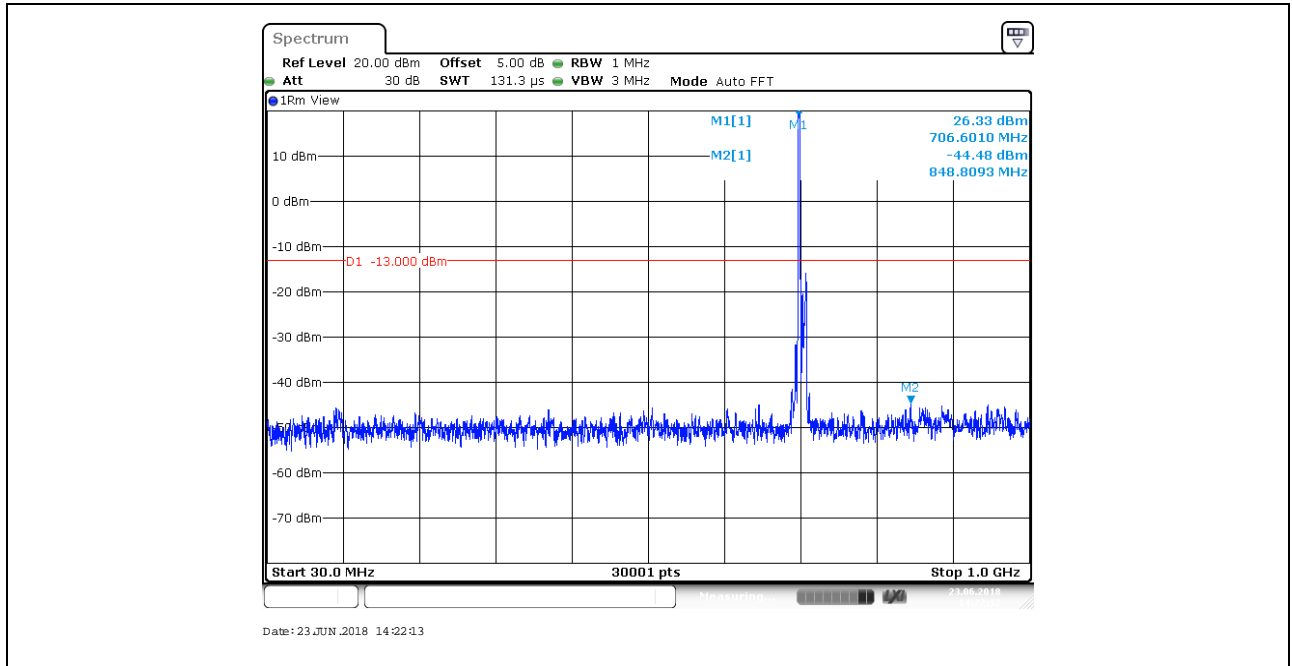
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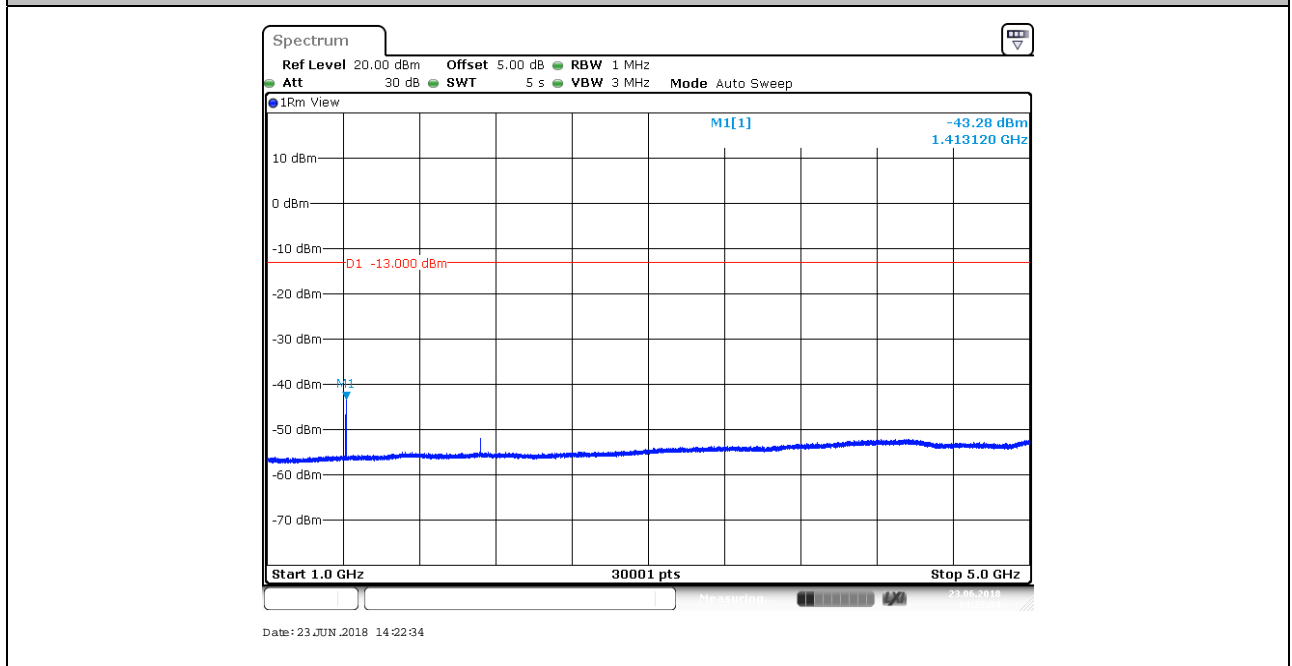
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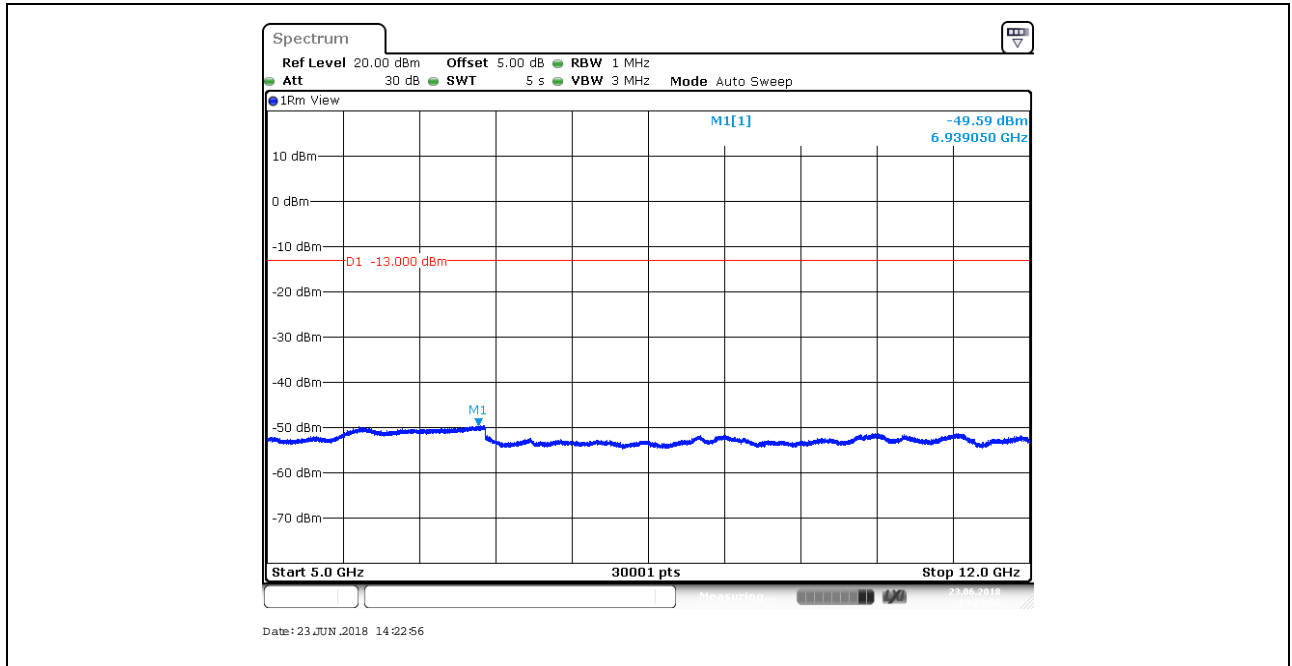
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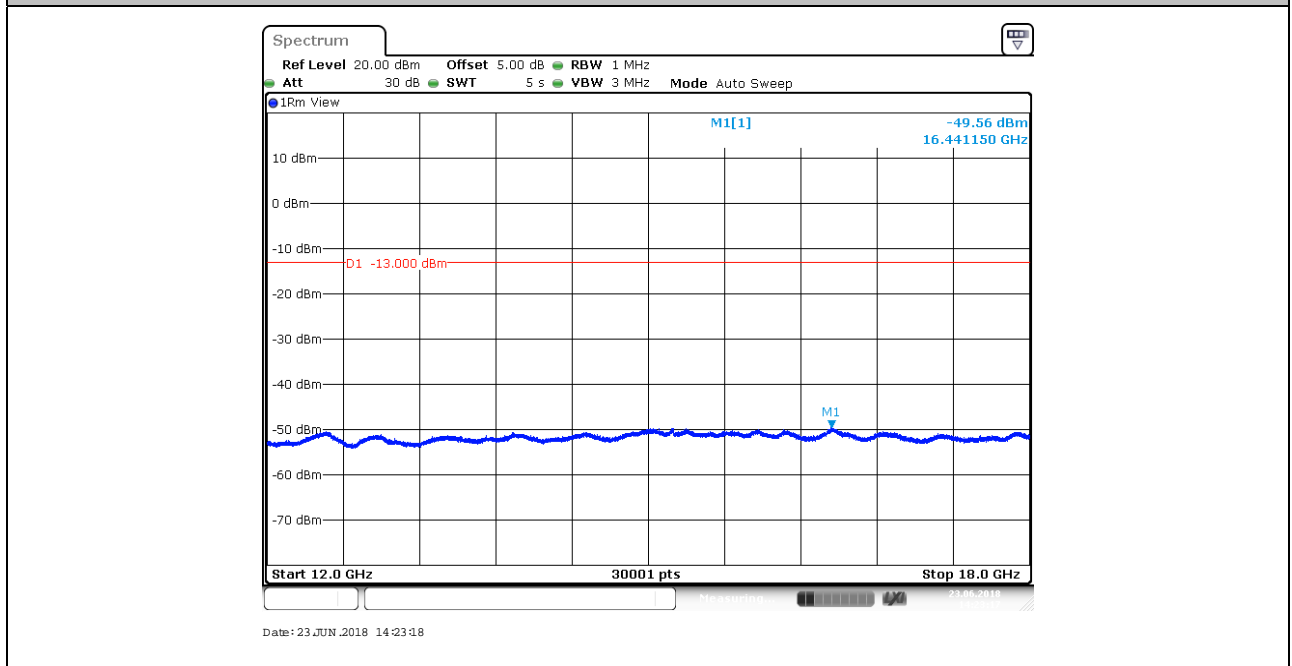
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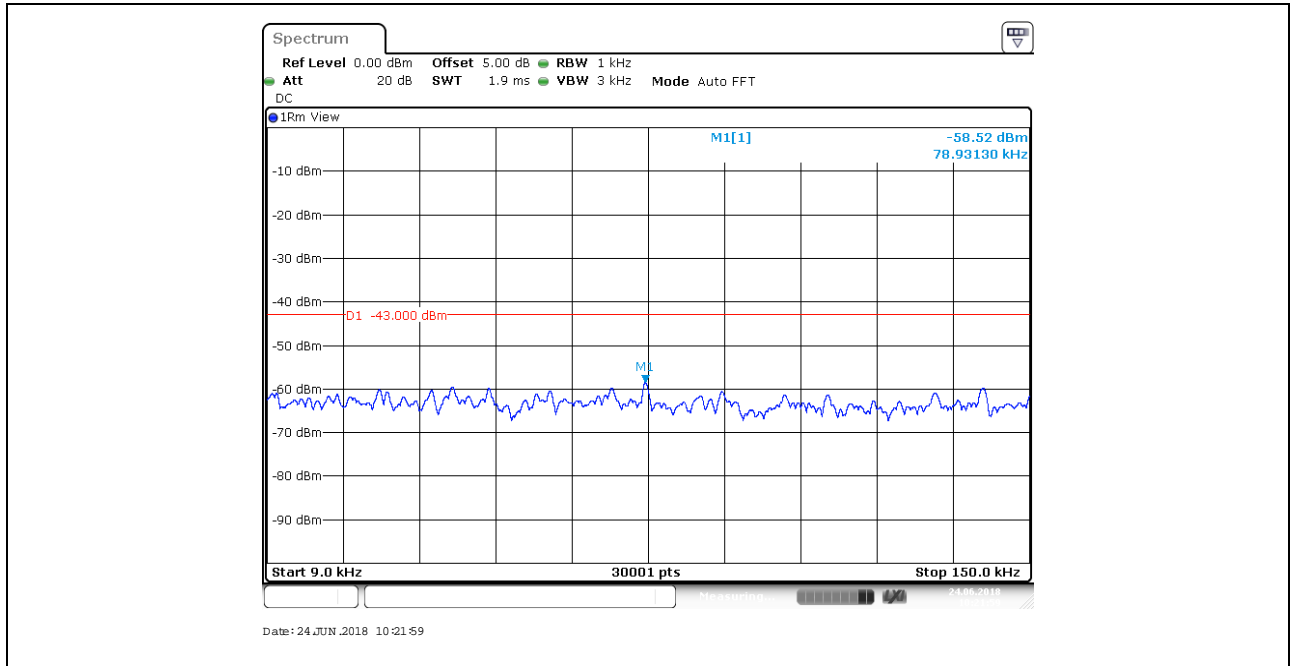
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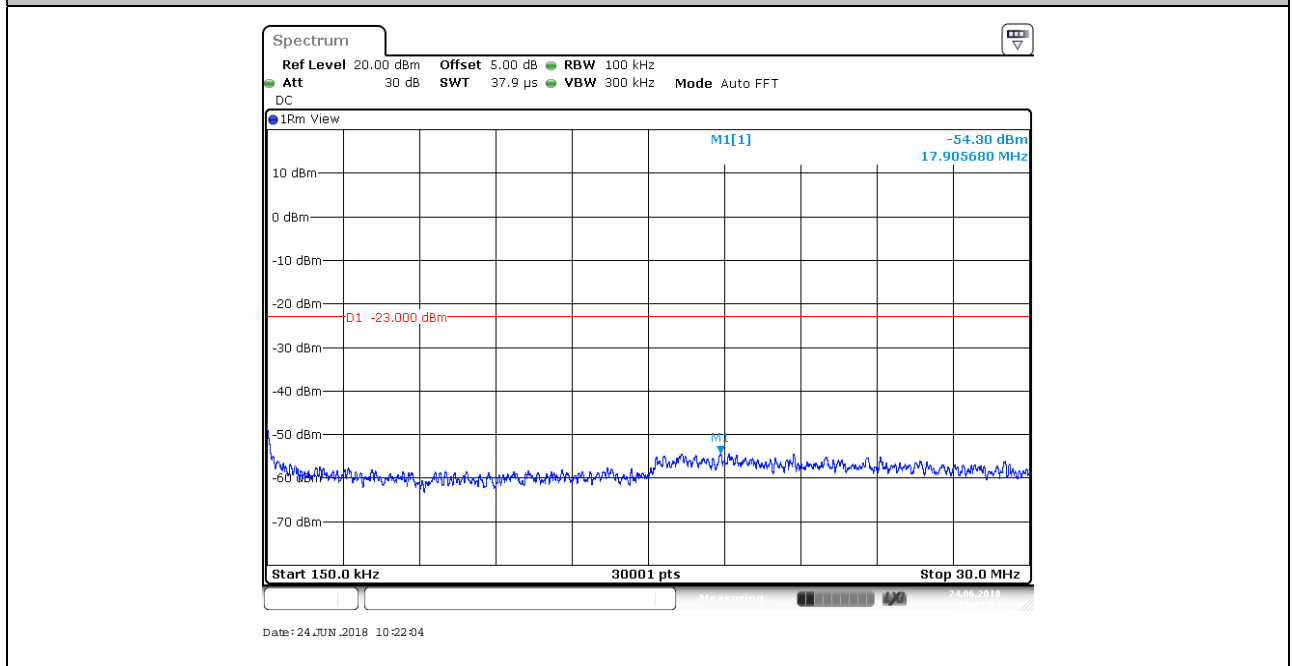
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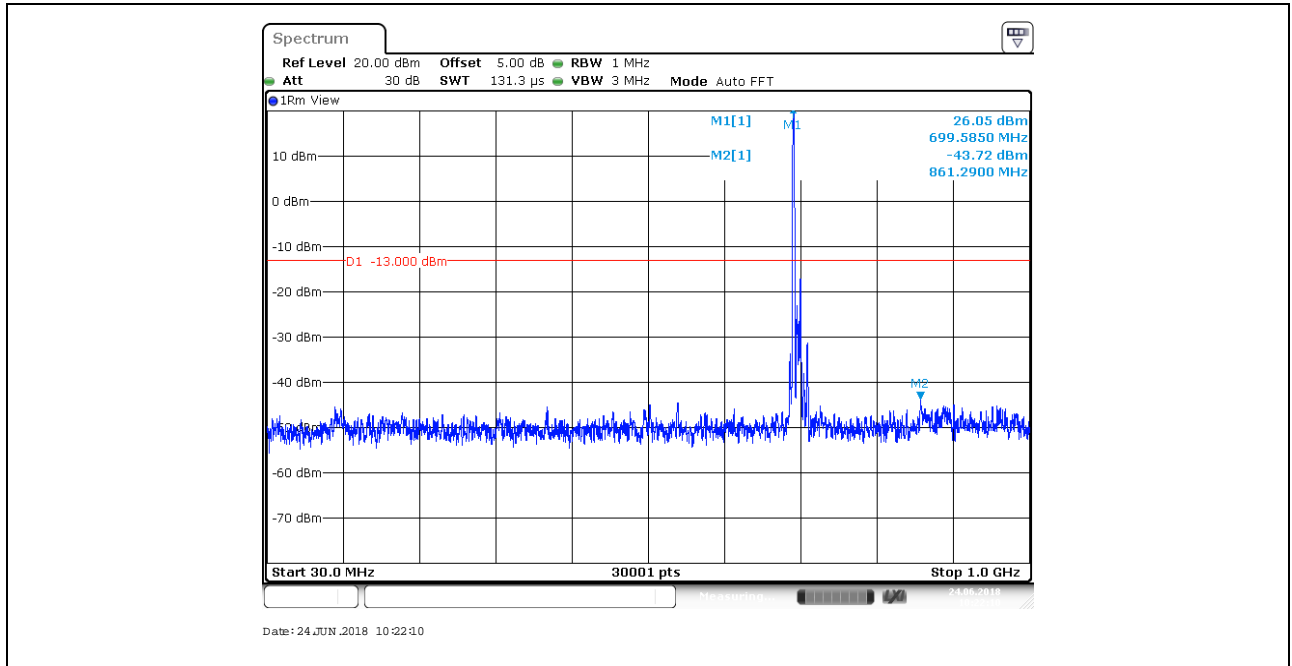
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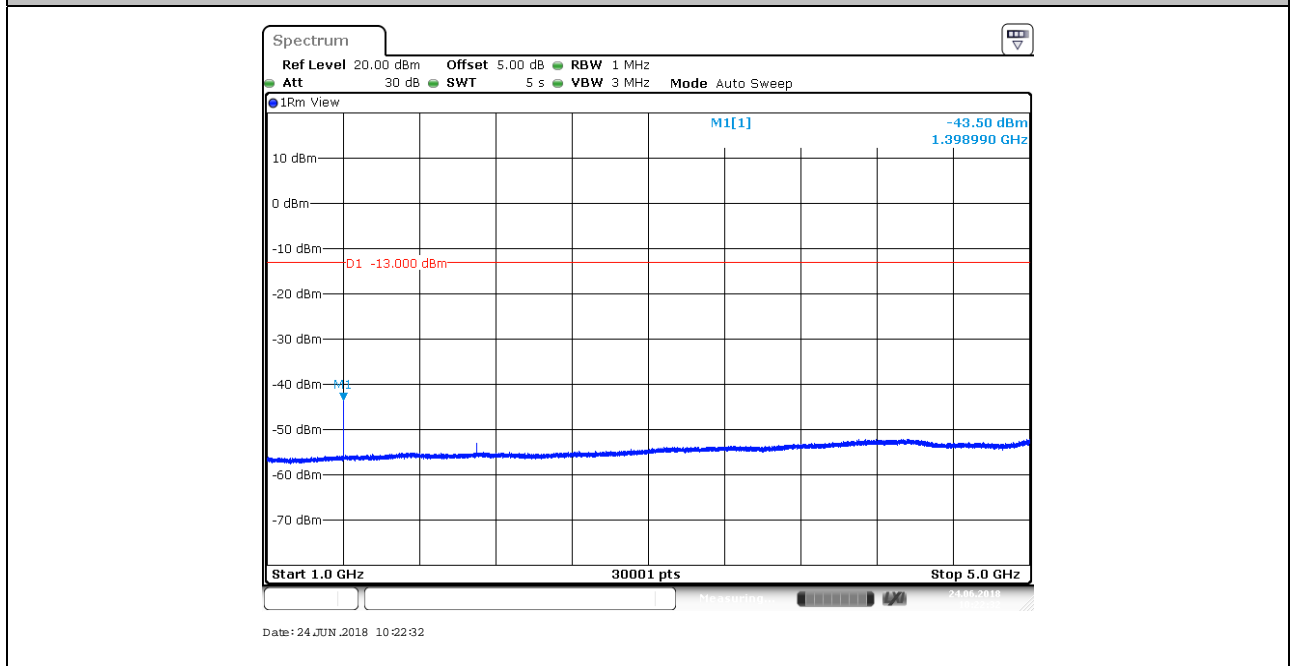
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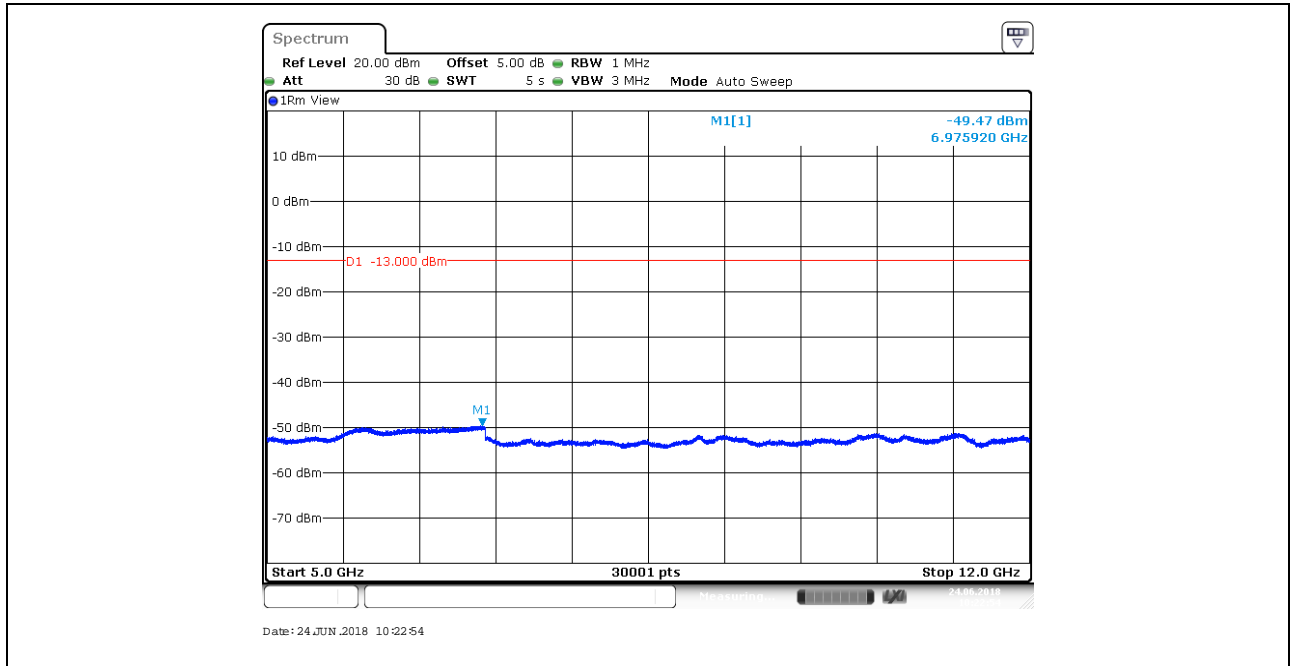
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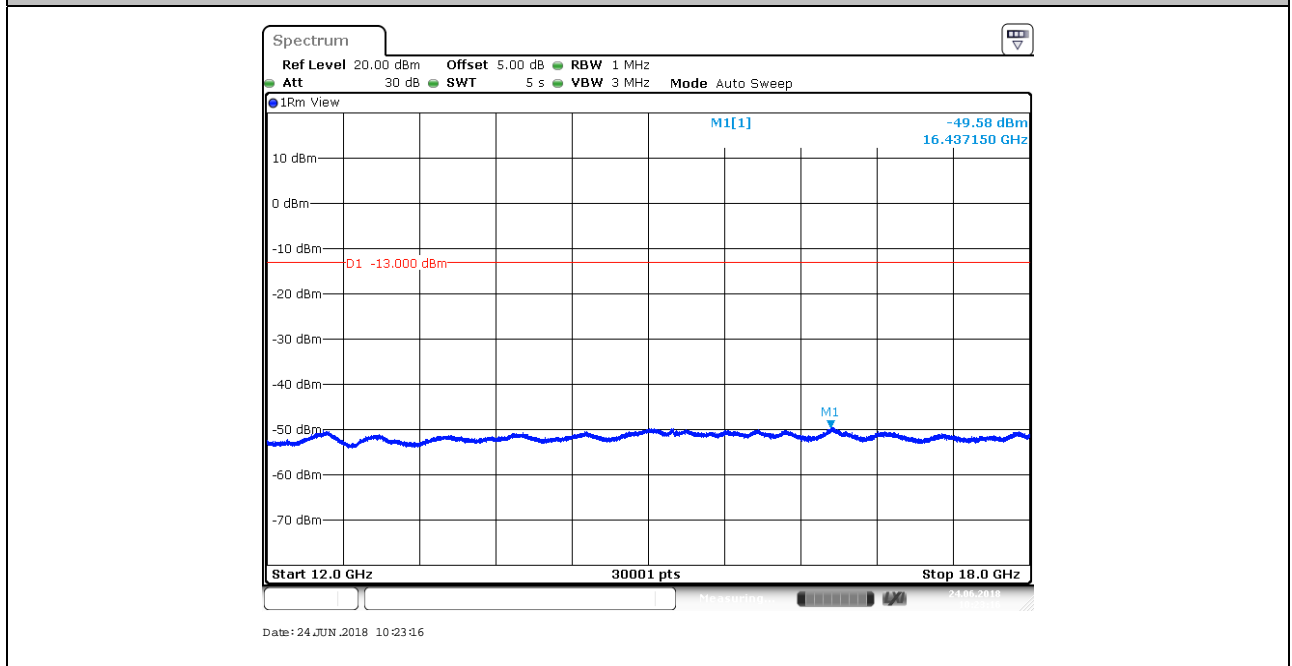
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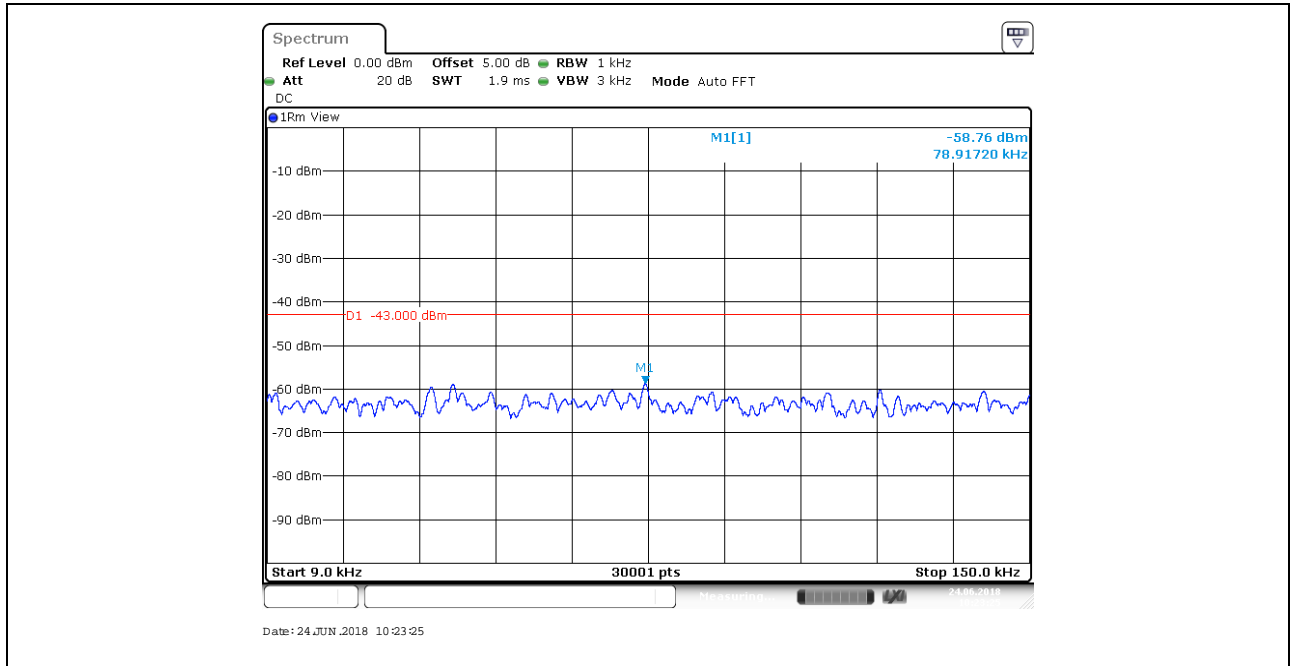
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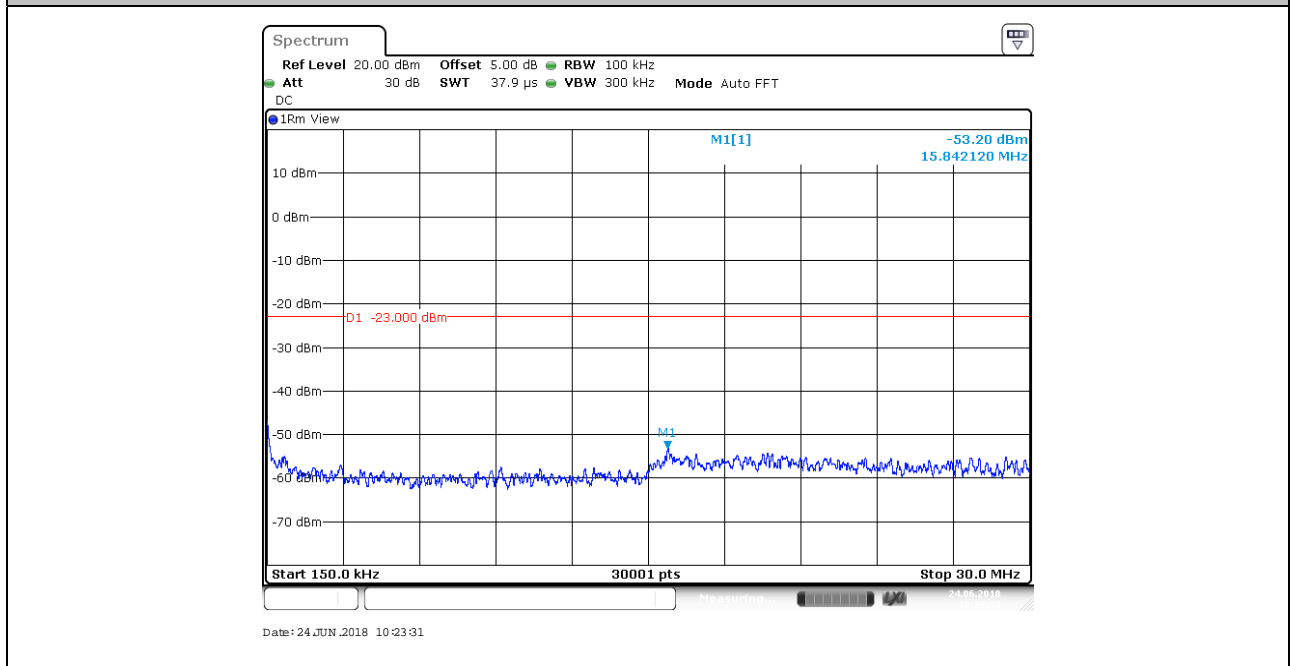
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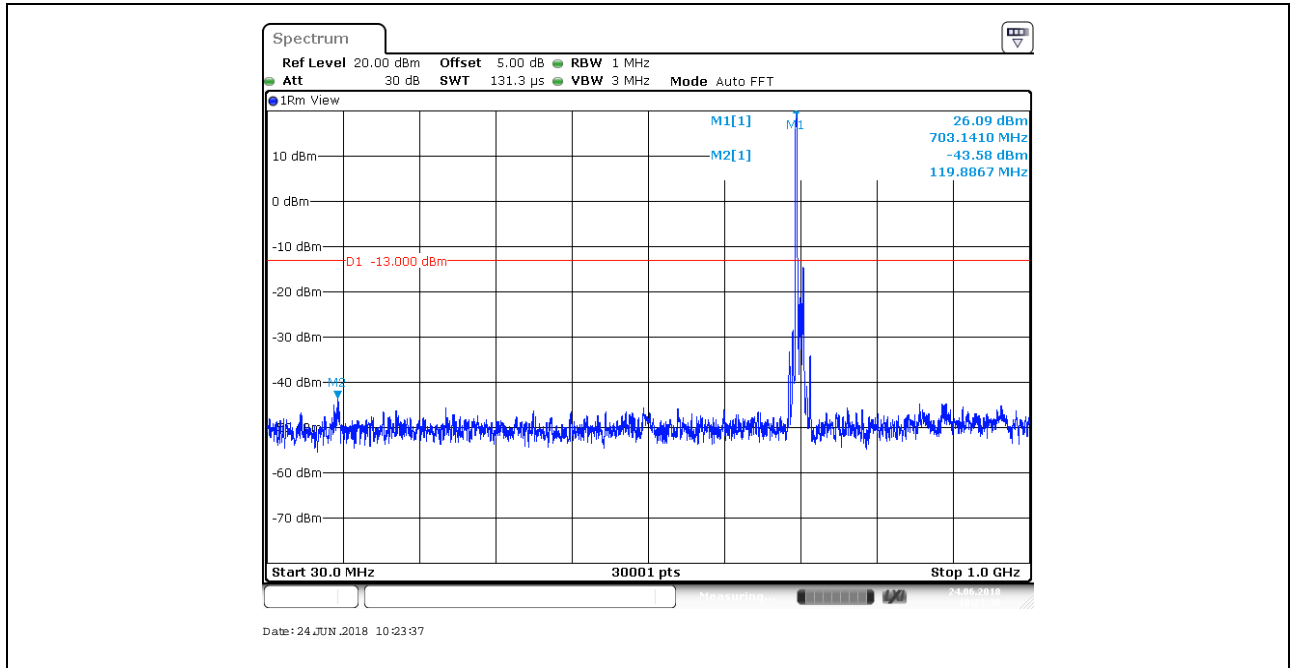
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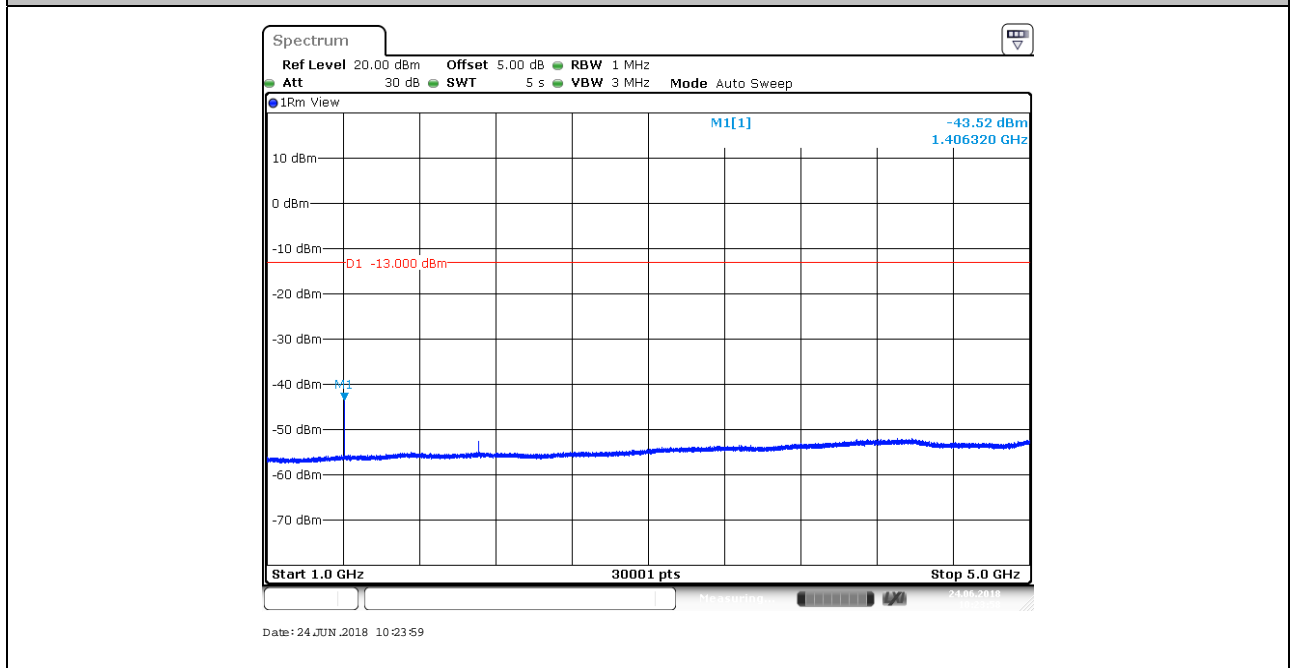
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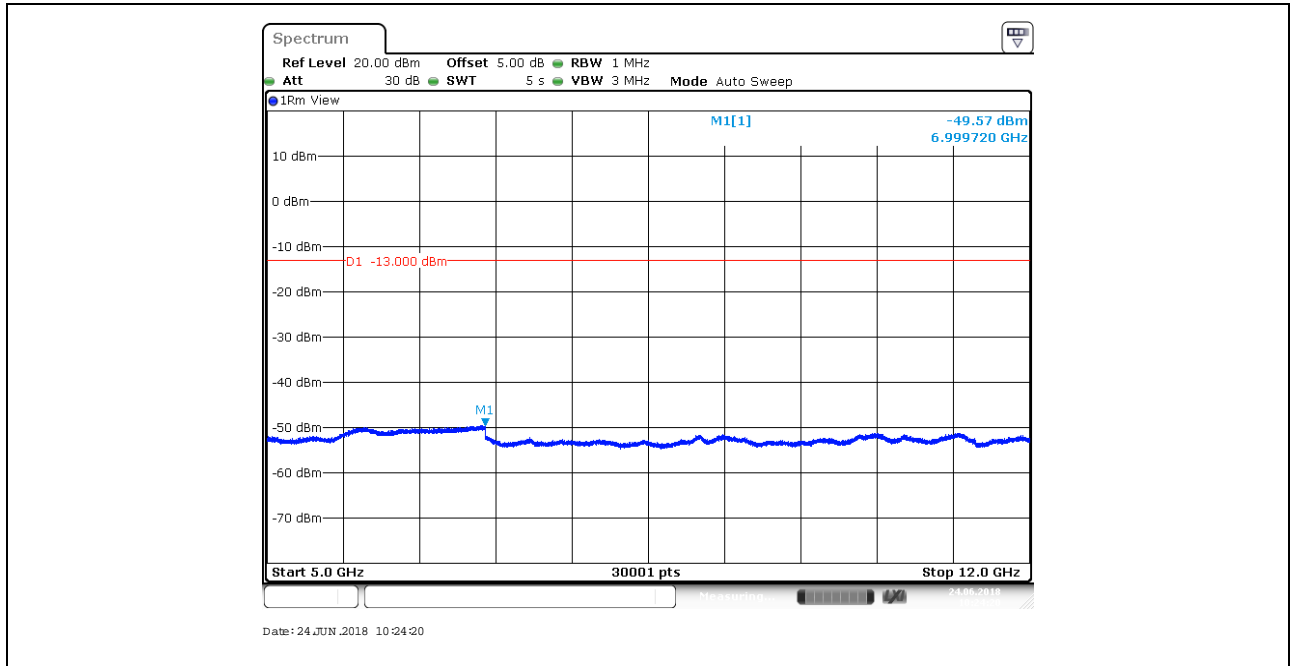
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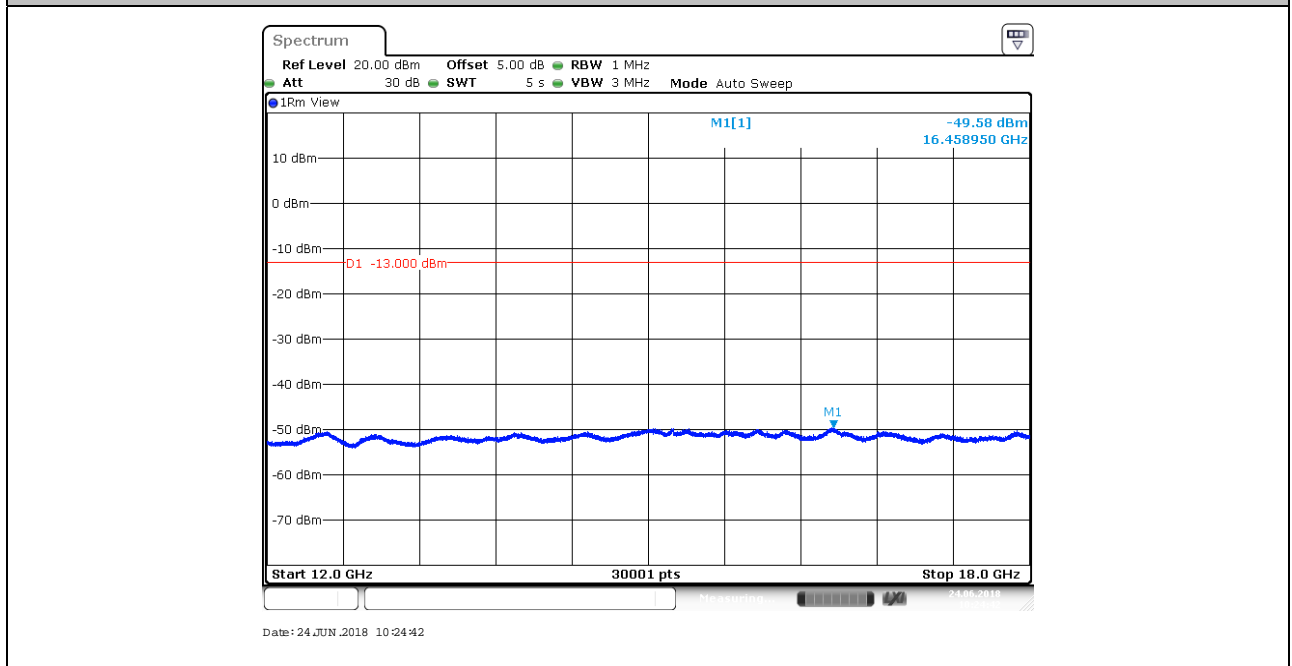
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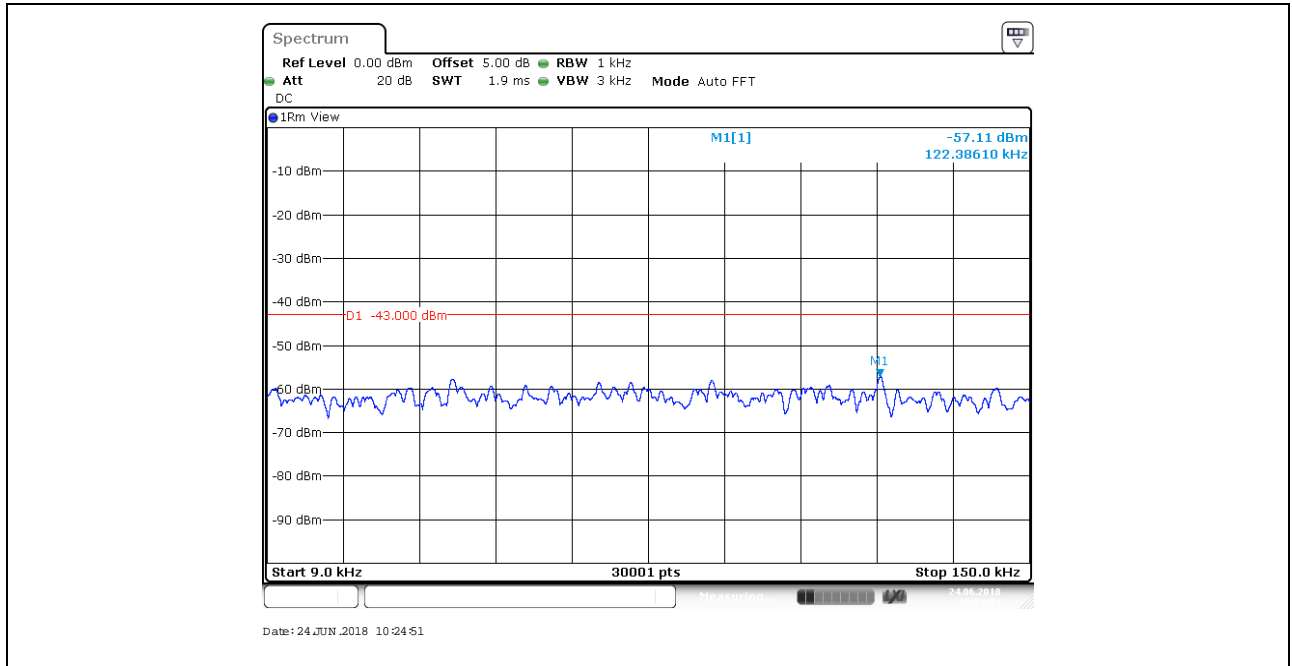
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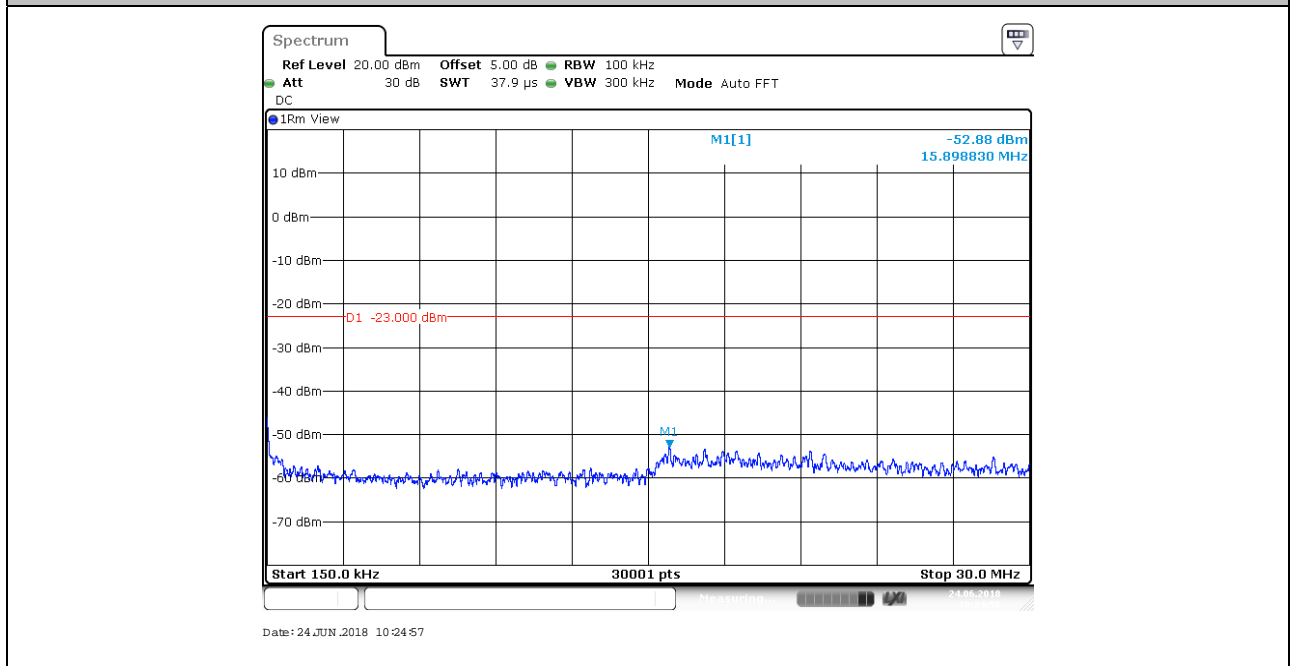
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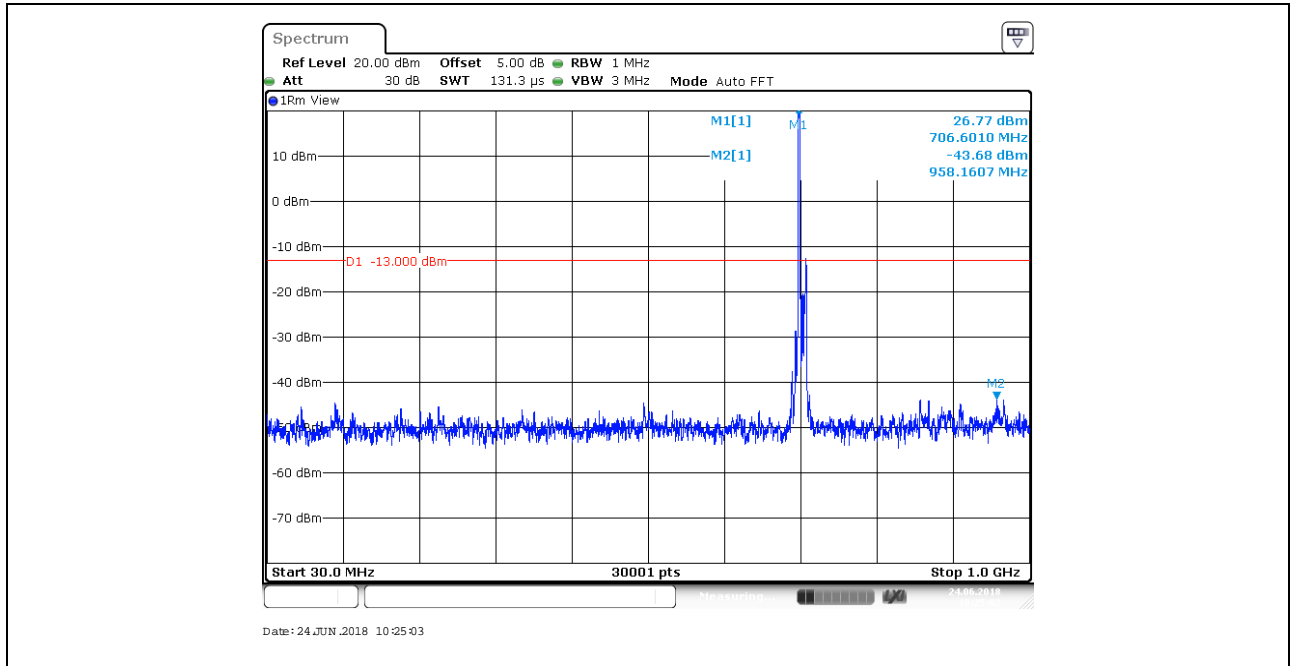
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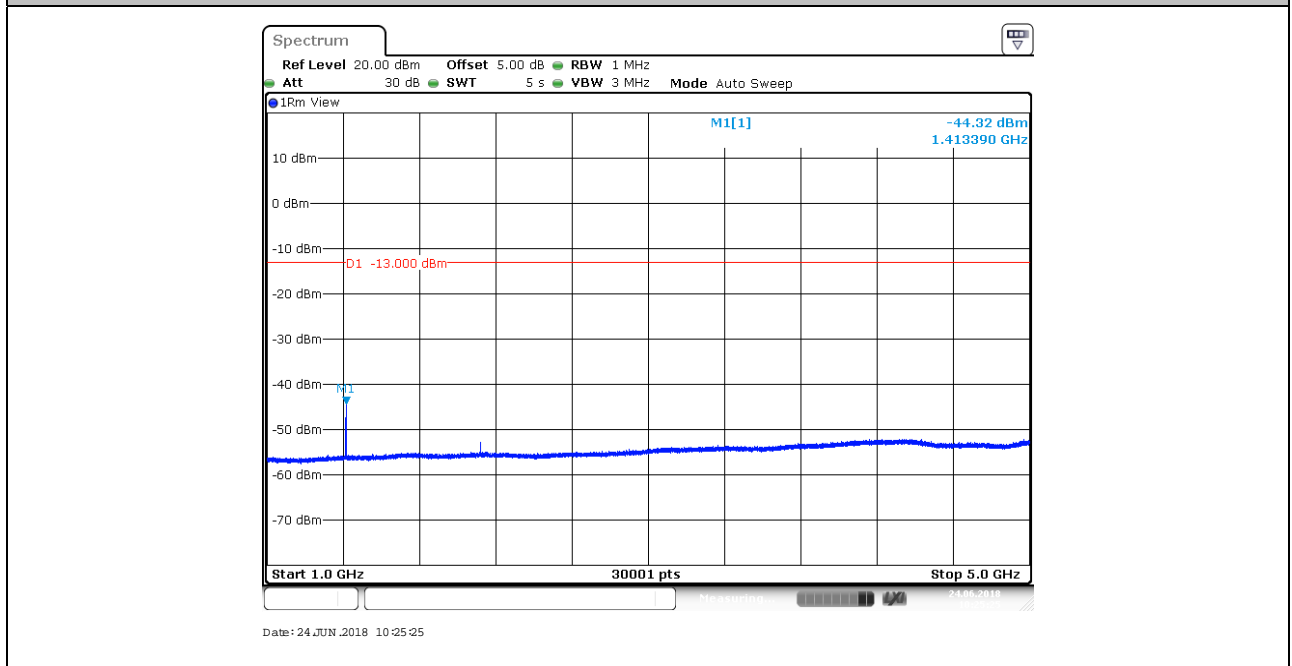
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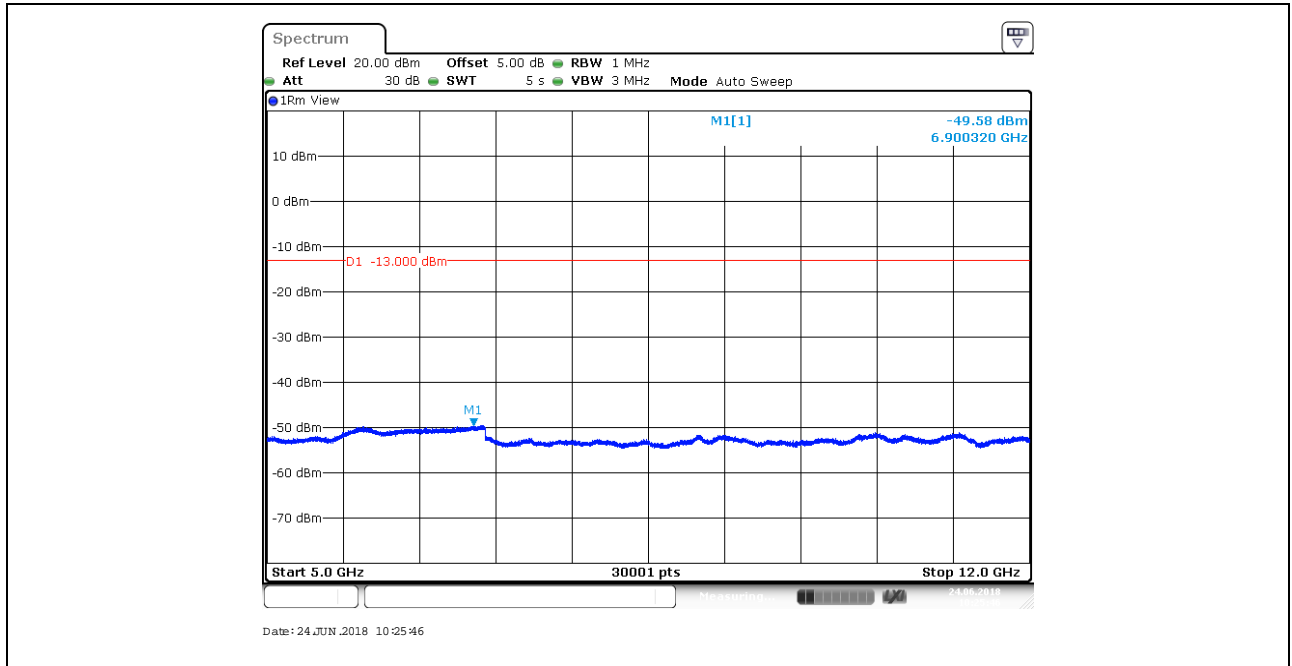
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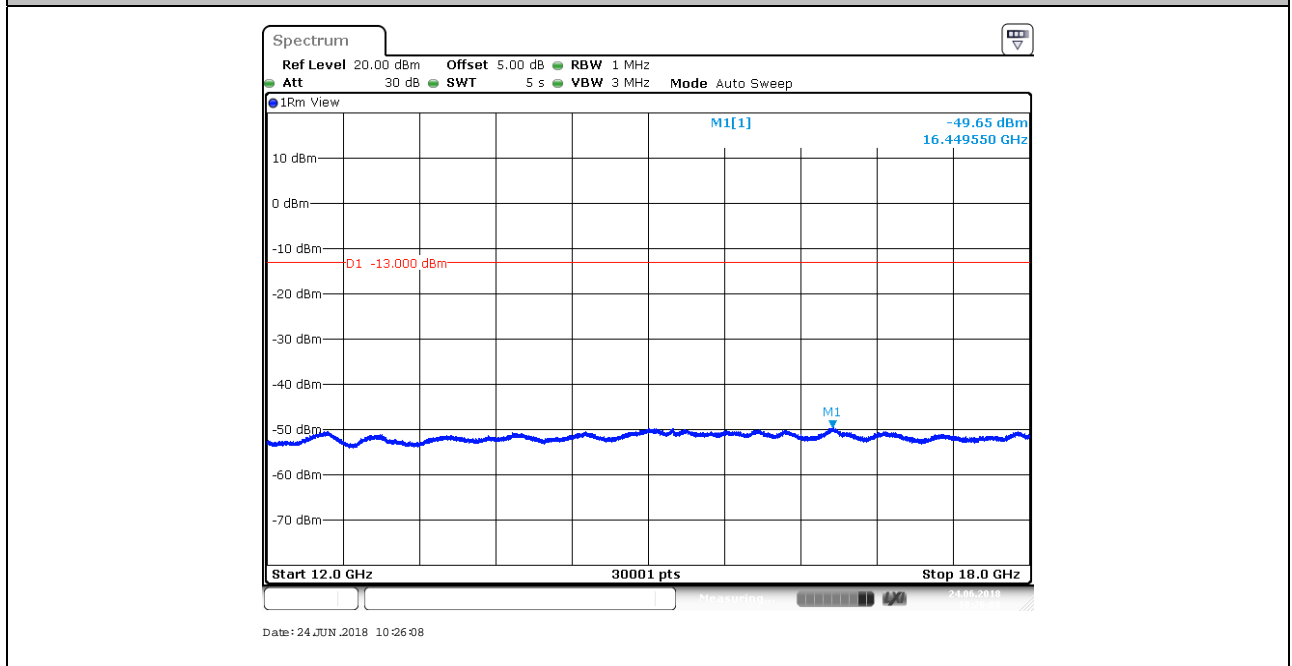
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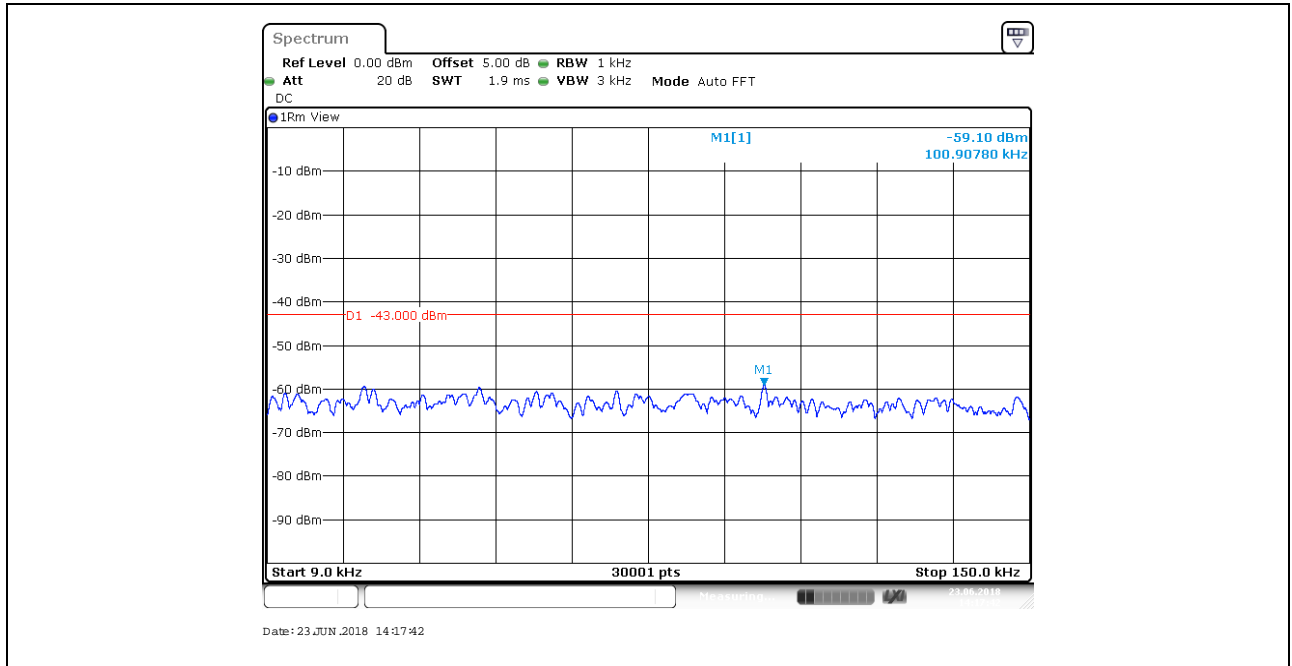
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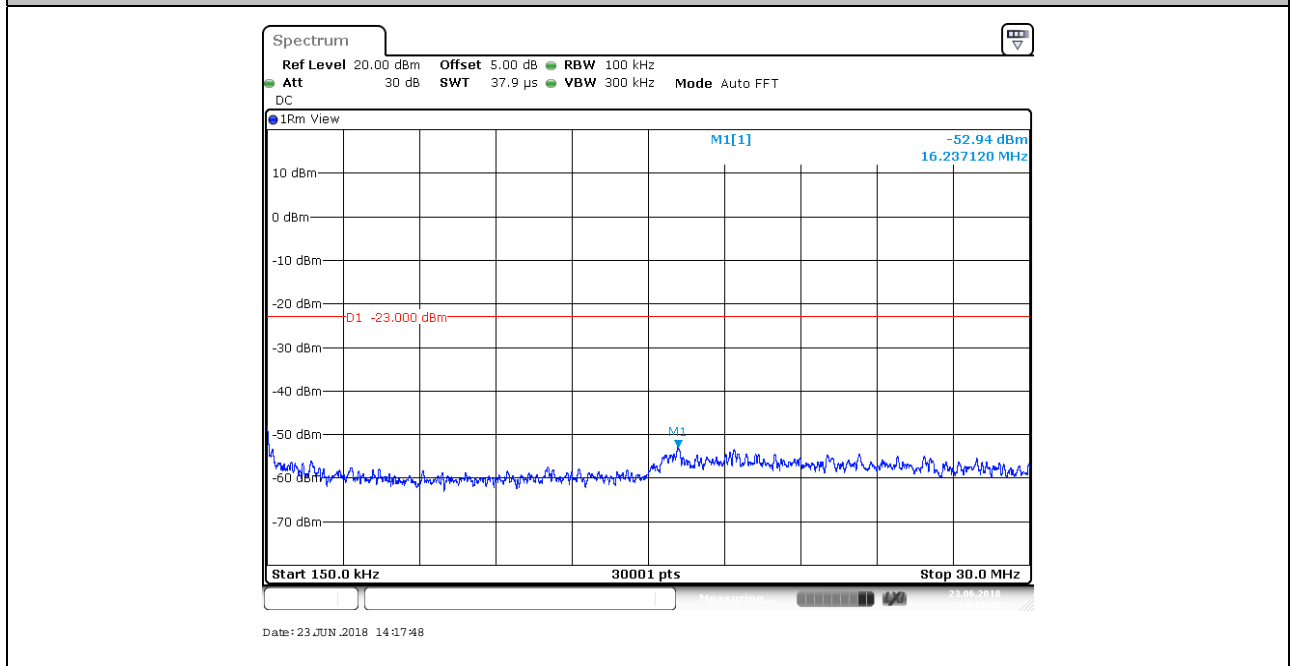
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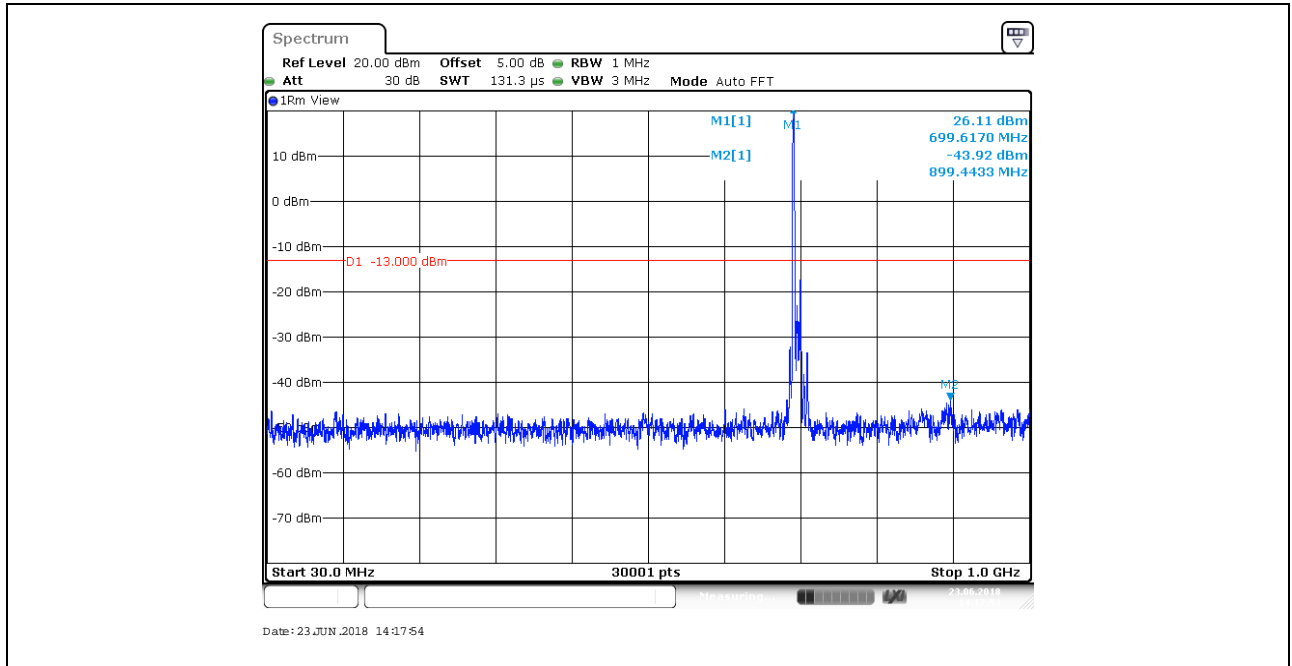
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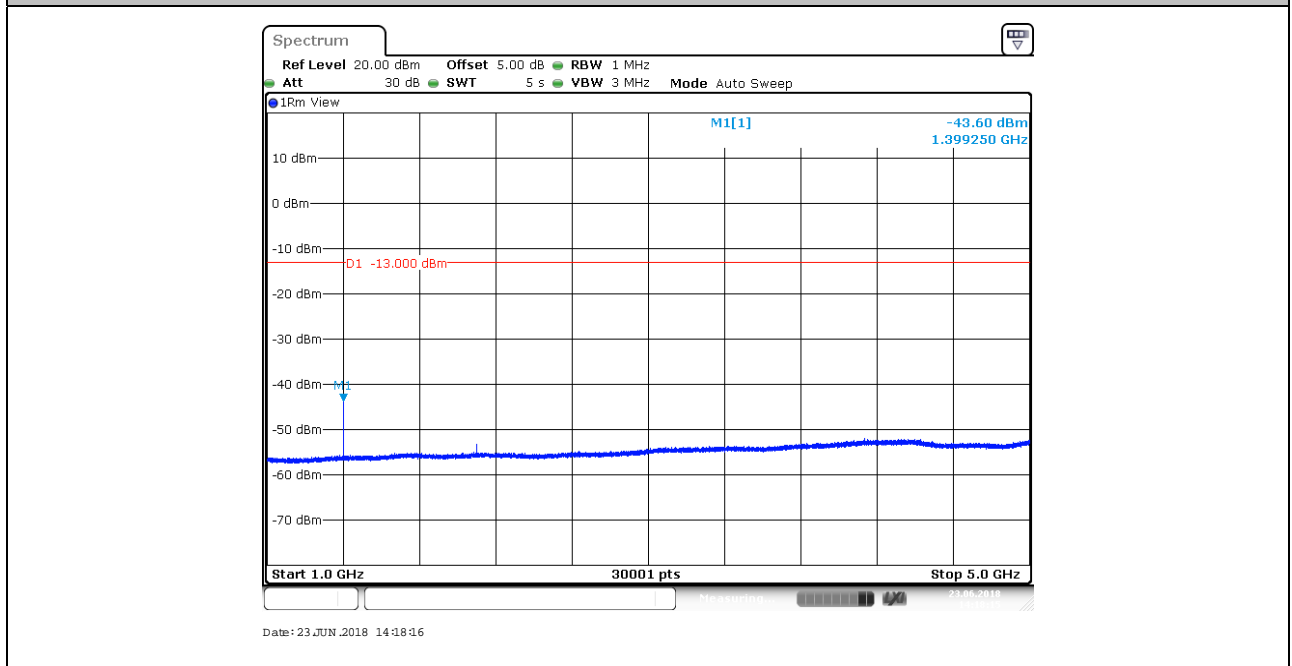
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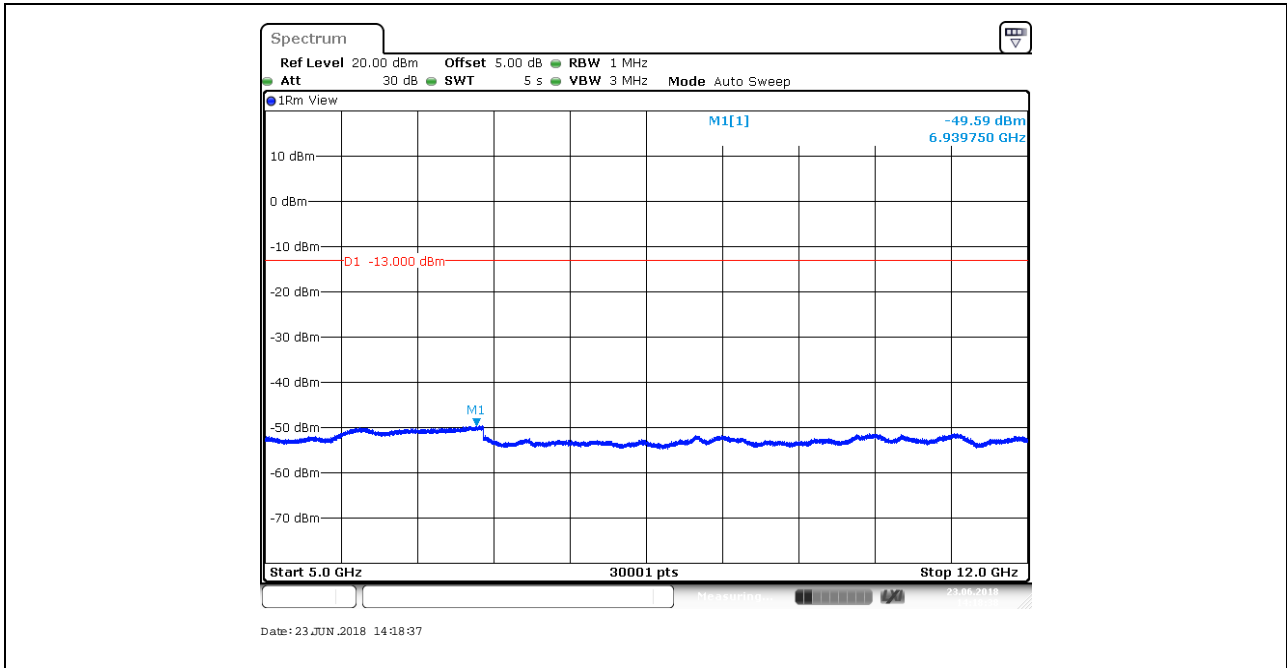
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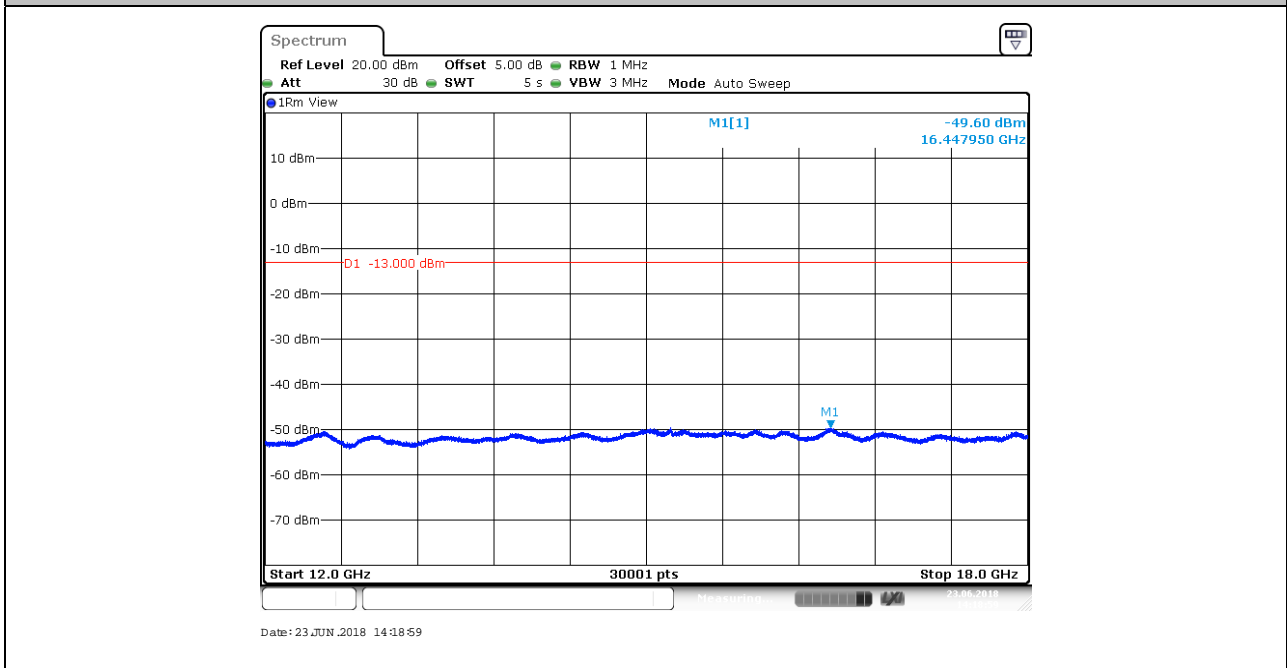
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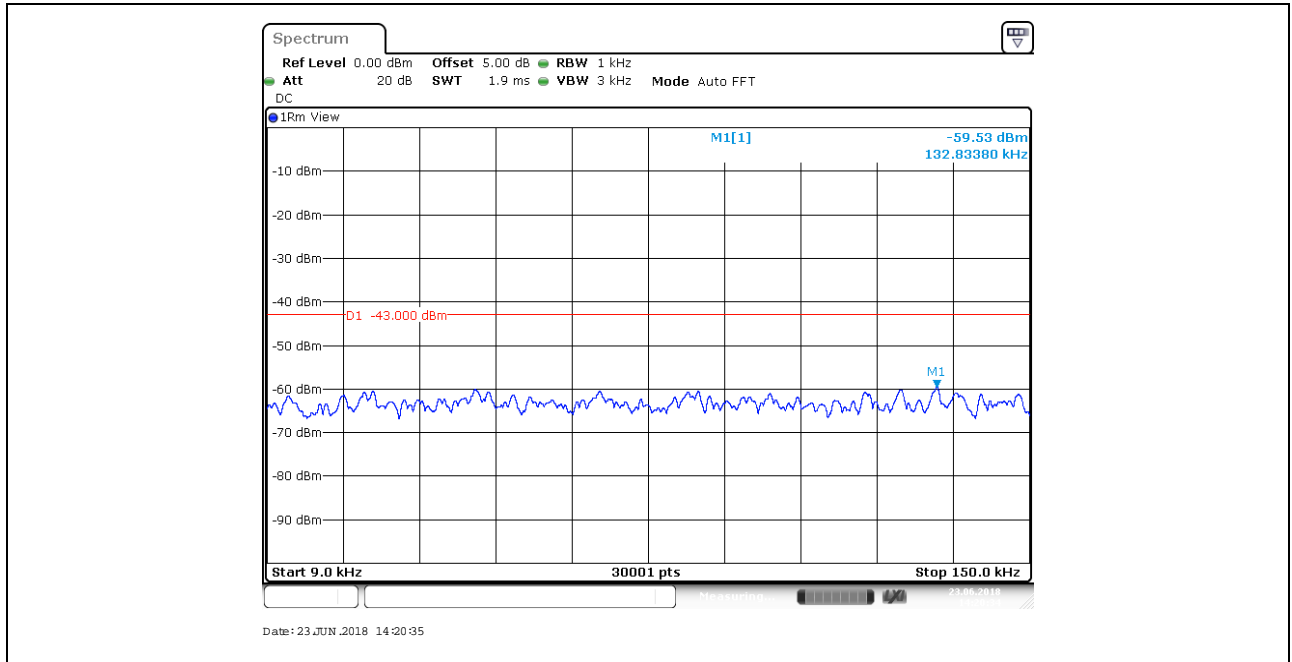
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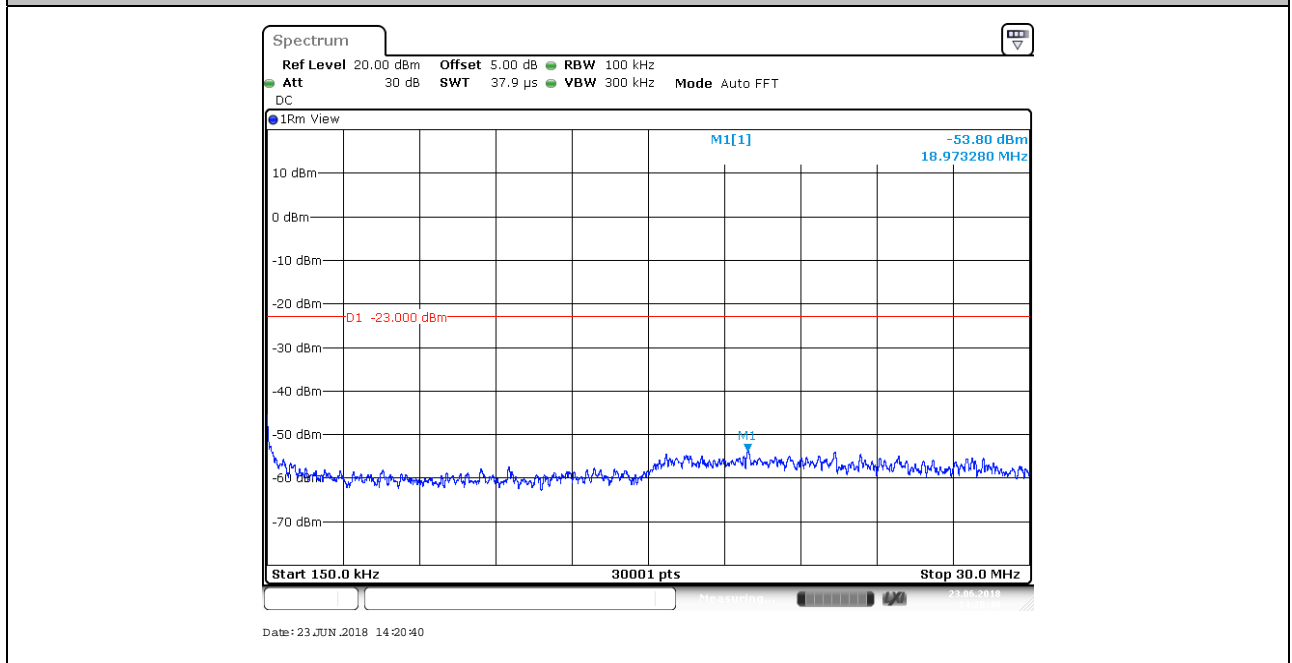
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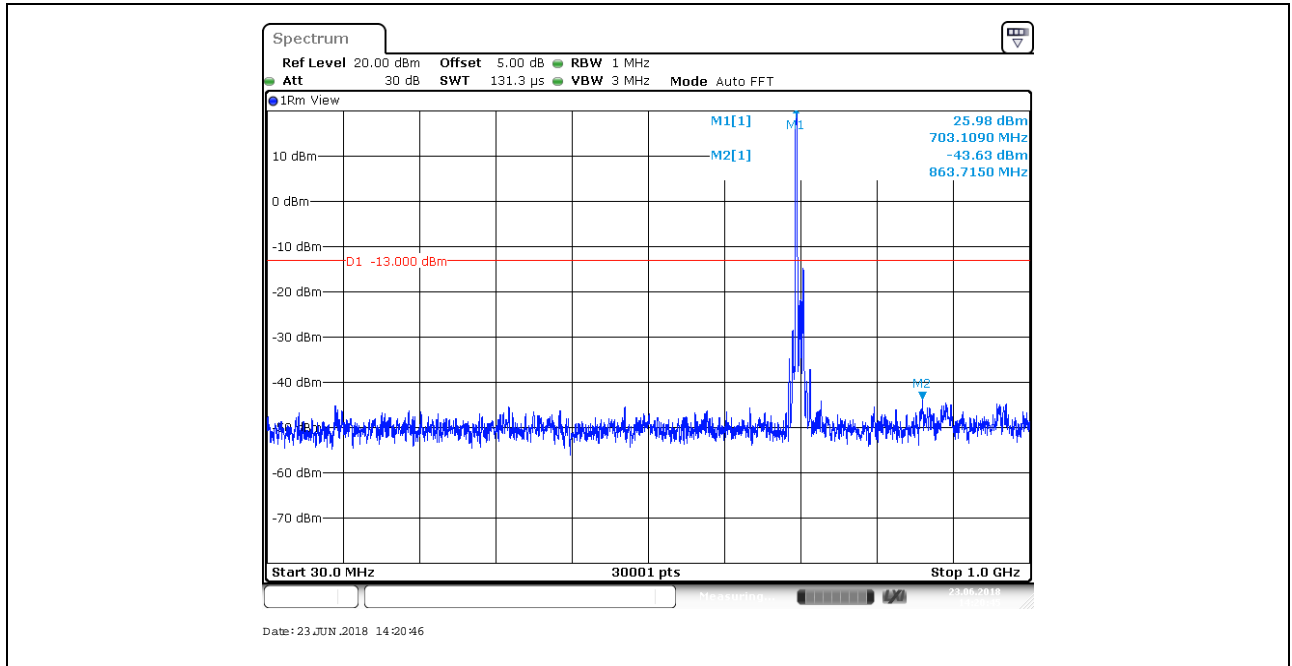
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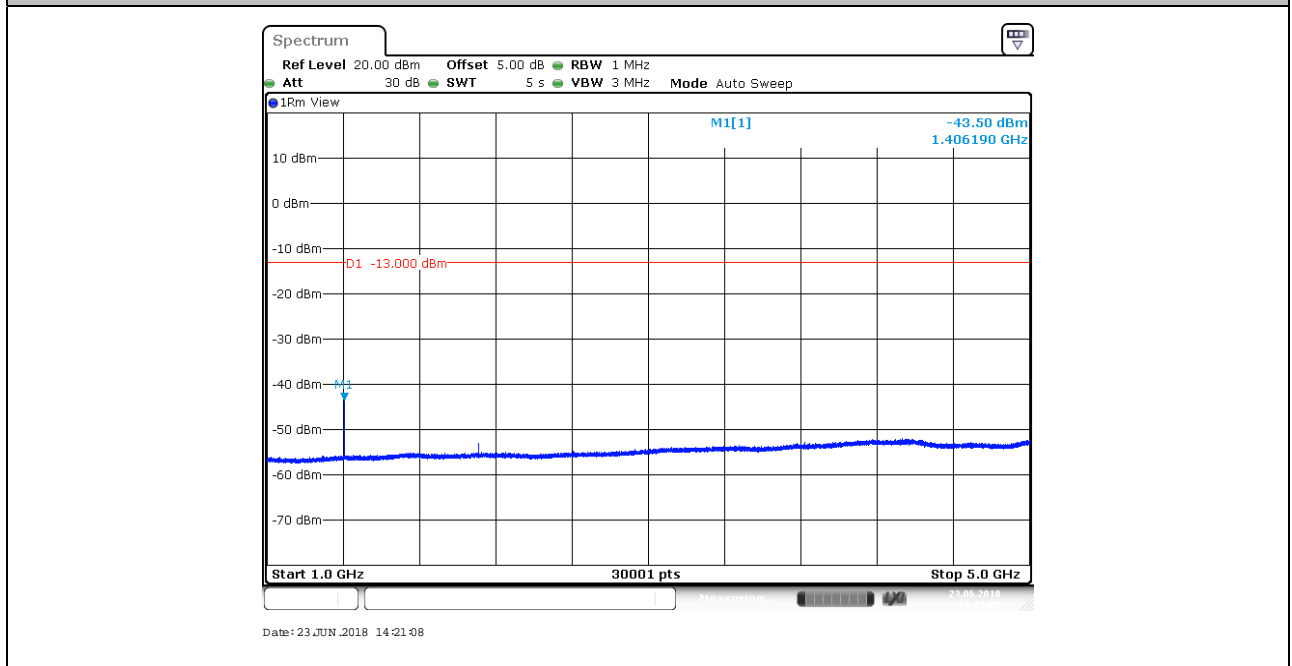
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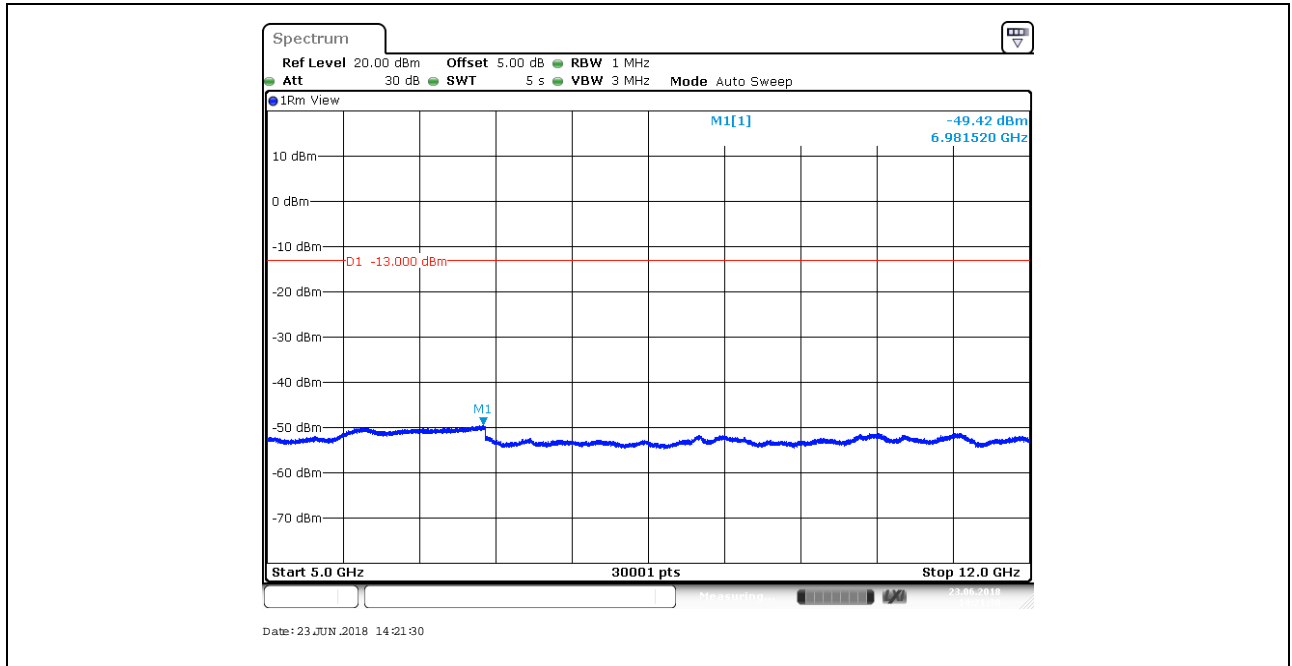
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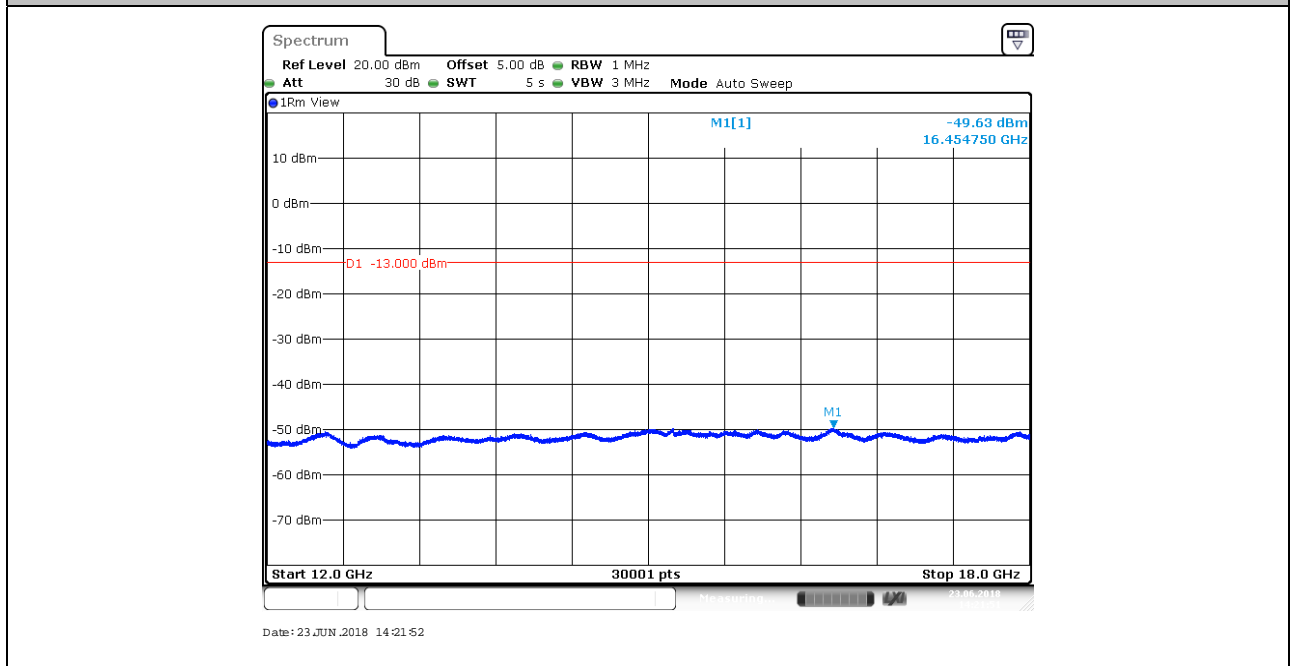
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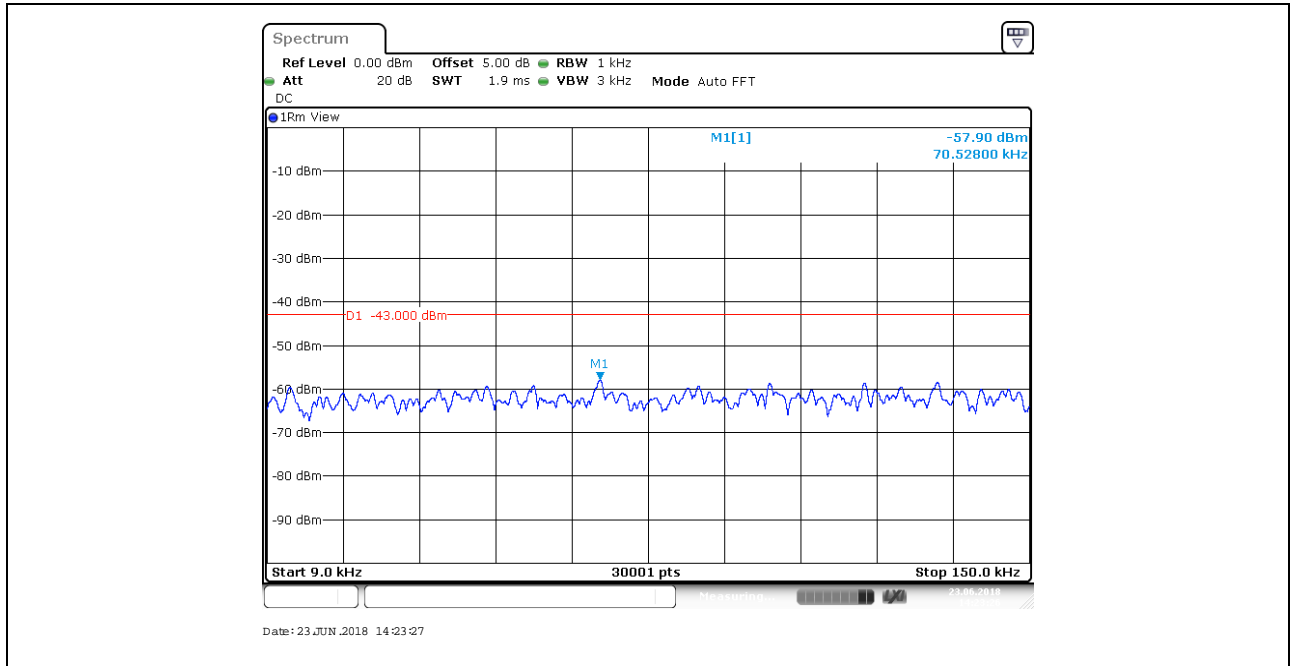
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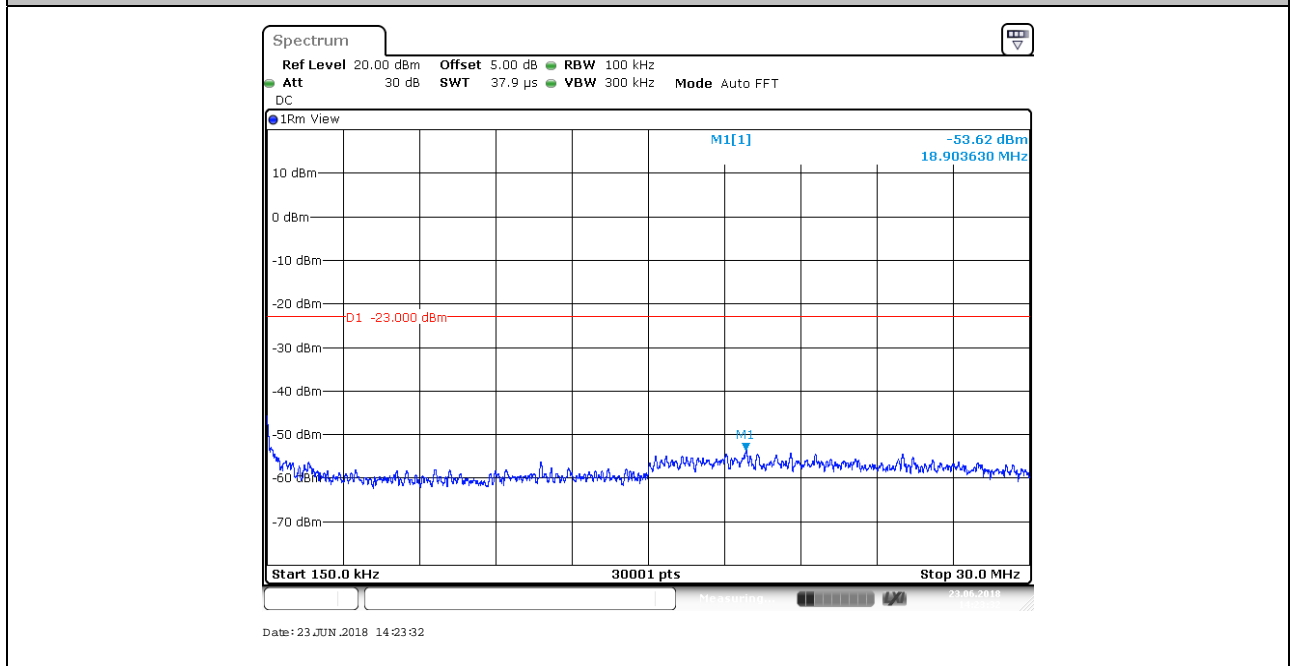
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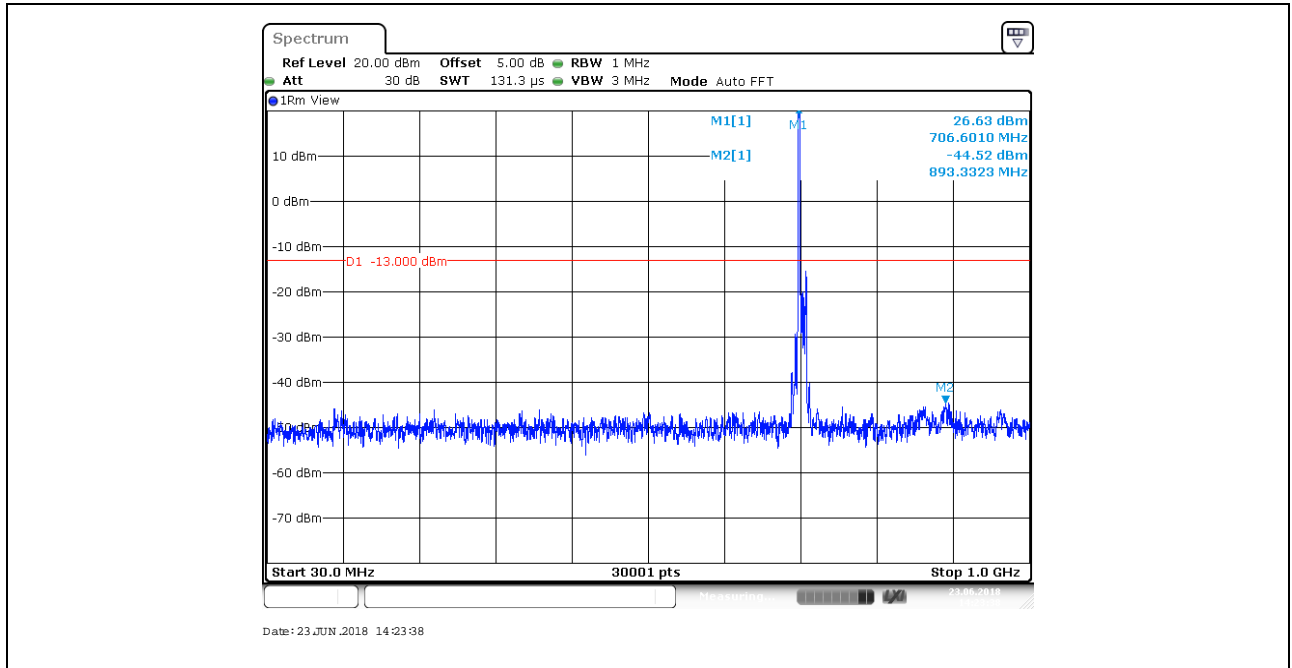
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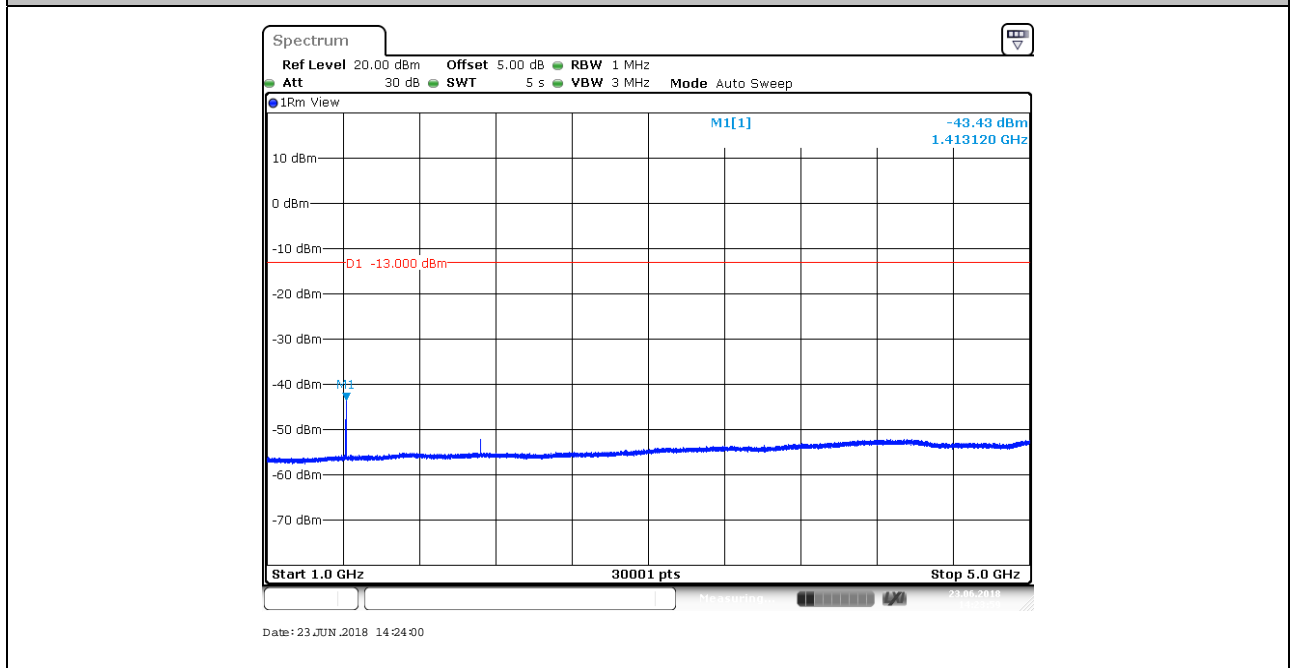
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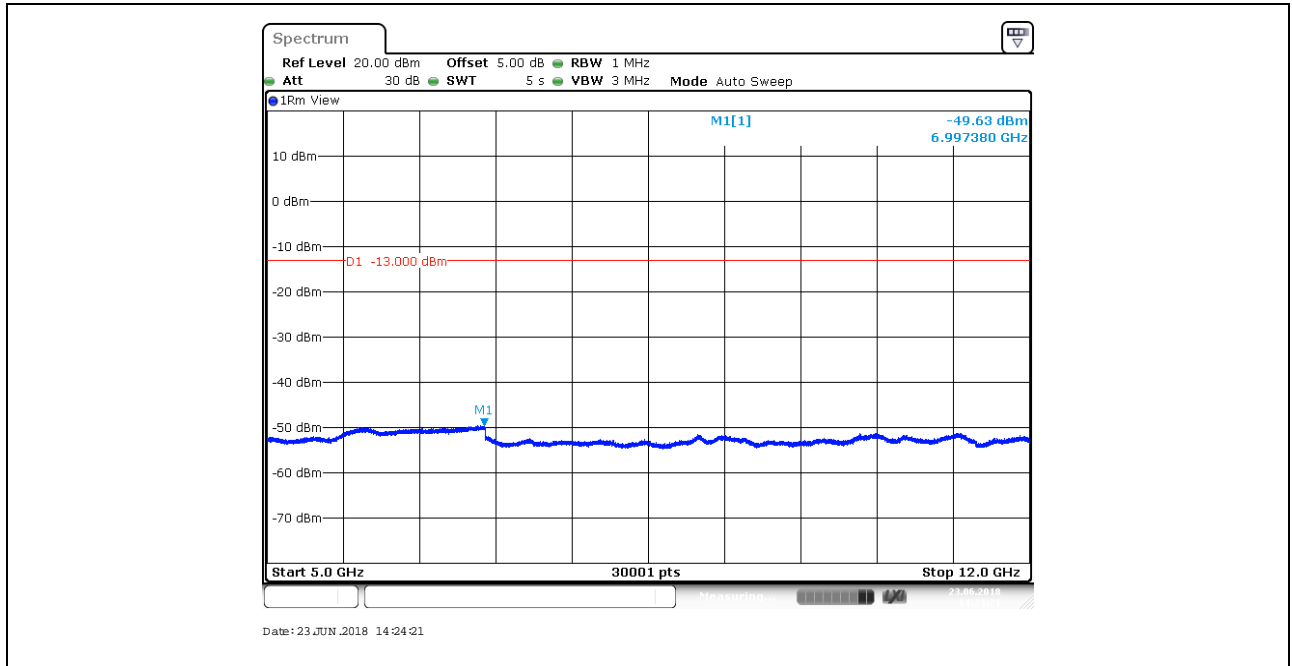
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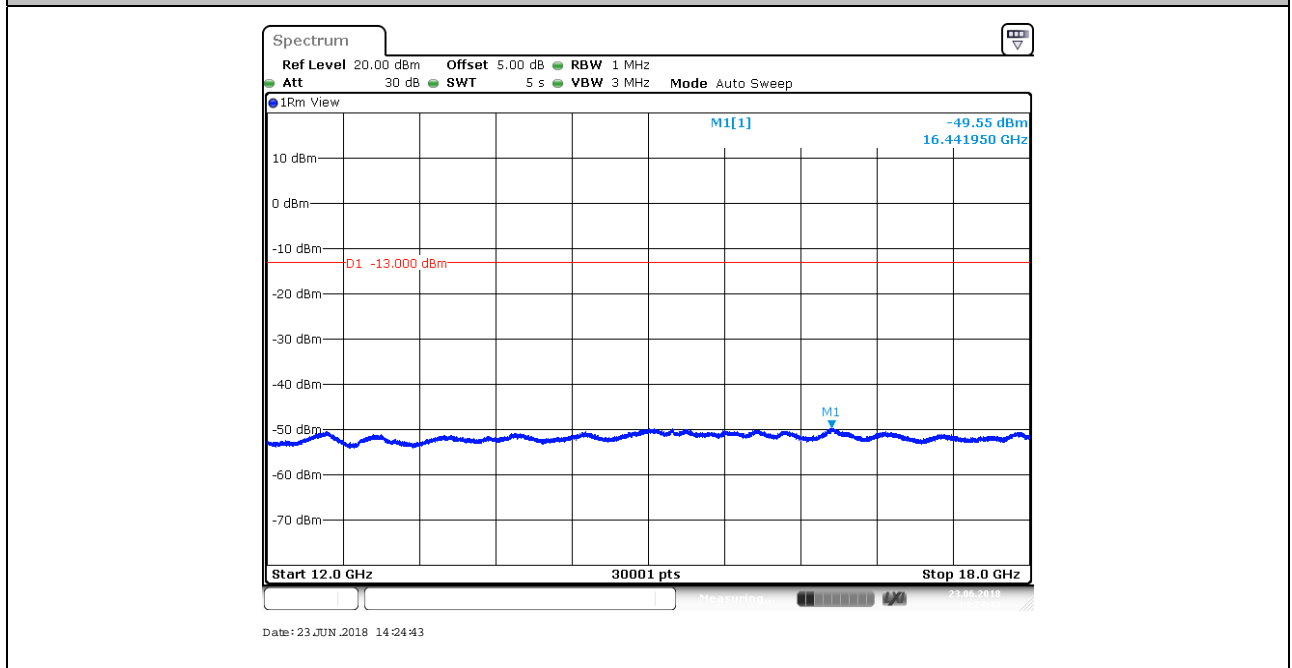
BAND 12_10MHz_16QAM_23130_1RB#0



BAND 12_10MHz_16QAM_23130_1RB#0



BAND 12_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

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
72.233333	-76.72	-13.00	63.72	Vertical
184.793333	-81.01	-13.00	68.01	Vertical
291.846667	-83.24	-13.00	70.24	Vertical
1399.000000	-67.62	-13.00	54.62	Vertical
4278.225000	-67.12	-13.00	54.12	Vertical
7489.387500	-65.47	-13.00	52.47	Vertical
63.226667	-78.23	-13.00	65.23	Horizontal
157.120000	-74.92	-13.00	61.92	Horizontal
181.153333	-75.08	-13.00	62.08	Horizontal
1399.000000	-67.37	-13.00	54.37	Horizontal
4273.837500	-67.12	-13.00	54.12	Horizontal
7830.637500	-64.25	-13.00	51.25	Horizontal

7.1.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
67.426667	-77.93	-13.00	64.93	Vertical
181.106667	-81.10	-13.00	68.10	Vertical
315.693333	-71.01	-13.00	58.01	Vertical
2704.000000	-57.15	-13.00	44.15	Vertical
4275.787500	-67.13	-13.00	54.13	Vertical
7832.587500	-64.33	-13.00	51.33	Vertical
62.153333	-77.70	-13.00	64.70	Horizontal
161.506667	-73.86	-13.00	60.86	Horizontal
1406.000000	-67.42	-13.00	54.42	Horizontal
2682.000000	-57.76	-13.00	44.76	Horizontal
4306.500000	-66.82	-13.00	53.82	Horizontal
7926.675000	-64.37	-13.00	51.37	Horizontal



7.1.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
71.953333	-74.42	-13.00	61.42	Vertical
184.513333	-79.81	-13.00	66.81	Vertical
1408.500000	-67.64	-13.00	54.64	Vertical
4152.450000	-68.10	-13.00	55.10	Vertical
5813.850000	-66.46	-13.00	53.46	Vertical
9248.775000	-63.94	-13.00	50.94	Vertical
64.440000	-77.54	-13.00	64.54	Horizontal
159.686667	-73.23	-13.00	60.23	Horizontal
179.986667	-73.08	-13.00	60.08	Horizontal
1389.000000	-65.02	-13.00	52.02	Horizontal
4832.025000	-66.79	-13.00	53.79	Horizontal
7990.537500	-64.18	-13.00	51.18	Horizontal

NOTE:

- 1) All modes are tested, but the data presented above is the worst case.the disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics 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
BAND 12	10MHz	QPSK	23060	50RB#0	VL	NT	-0.60	-0.000852	±2.5	PASS
BAND 12	10MHz	QPSK	23060	50RB#0	VN	NT	-0.70	-0.000994	±2.5	PASS
BAND 12	10MHz	QPSK	23060	50RB#0	VH	NT	-0.30	-0.000426	±2.5	PASS
BAND 12	10MHz	QPSK	23095	50RB#0	VL	NT	0.50	0.000707	±2.5	PASS
BAND 12	10MHz	QPSK	23095	50RB#0	VN	NT	1.00	0.001413	±2.5	PASS
BAND 12	10MHz	QPSK	23095	50RB#0	VH	NT	0.20	0.000283	±2.5	PASS
BAND 12	10MHz	QPSK	23130	50RB#0	VL	NT	-1.20	-0.001688	±2.5	PASS
BAND 12	10MHz	QPSK	23130	50RB#0	VN	NT	-0.40	-0.000563	±2.5	PASS
BAND 12	10MHz	QPSK	23130	50RB#0	VH	NT	-0.10	-0.000141	±2.5	PASS
BAND 12	10MHz	64QAM	23060	50RB#0	VL	NT	-4.30	-0.006108	±2.5	PASS
BAND 12	10MHz	64QAM	23060	50RB#0	VN	NT	-1.40	-0.001989	±2.5	PASS
BAND 12	10MHz	64QAM	23060	50RB#0	VH	NT	-1.40	-0.001989	±2.5	PASS
BAND 12	10MHz	64QAM	23095	50RB#0	VL	NT	-2.80	-0.003958	±2.5	PASS
BAND 12	10MHz	64QAM	23095	50RB#0	VN	NT	-1.90	-0.002686	±2.5	PASS
BAND 12	10MHz	64QAM	23095	50RB#0	VH	NT	-3.00	-0.004240	±2.5	PASS
BAND 12	10MHz	64QAM	23130	50RB#0	VL	NT	-3.00	-0.004219	±2.5	PASS
BAND 12	10MHz	64QAM	23130	50RB#0	VN	NT	-4.20	-0.005907	±2.5	PASS
BAND 12	10MHz	64QAM	23130	50RB#0	VH	NT	-3.10	-0.004360	±2.5	PASS
BAND 12	10MHz	16QAM	23060	50RB#0	VL	NT	-1.50	-0.002131	±2.5	PASS
BAND 12	10MHz	16QAM	23060	50RB#0	VN	NT	-1.80	-0.002557	±2.5	PASS
BAND 12	10MHz	16QAM	23060	50RB#0	VH	NT	-1.00	-0.001420	±2.5	PASS
BAND 12	10MHz	16QAM	23095	50RB#0	VL	NT	1.20	0.001696	±2.5	PASS
BAND 12	10MHz	16QAM	23095	50RB#0	VN	NT	0.50	0.000707	±2.5	PASS
BAND 12	10MHz	16QAM	23095	50RB#0	VH	NT	1.70	0.002403	±2.5	PASS
BAND 12	10MHz	16QAM	23130	50RB#0	VL	NT	-3.30	-0.004641	±2.5	PASS
BAND 12	10MHz	16QAM	23130	50RB#0	VN	NT	-3.30	-0.004641	±2.5	PASS
BAND 12	10MHz	16QAM	23130	50RB#0	VH	NT	-3.10	-0.004360	±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
BAND 12	10MHz	QPSK	23060	50RB#0	NV	-30	0.30	0.000426	±2.5	PASS
BAND 12	10MHz	QPSK	23060	50RB#0	NV	-20	0.40	0.000568	±2.5	PASS
BAND 12	10MHz	QPSK	23060	50RB#0	NV	0	-1.80	-0.002557	±2.5	PASS
BAND 12	10MHz	QPSK	23060	50RB#0	NV	10	-1.50	-0.002131	±2.5	PASS
BAND 12	10MHz	QPSK	23060	50RB#0	NV	20	-1.20	-0.001705	±2.5	PASS
BAND 12	10MHz	QPSK	23095	50RB#0	NV	-30	-1.70	-0.002403	±2.5	PASS
BAND 12	10MHz	QPSK	23095	50RB#0	NV	-20	0.60	0.000848	±2.5	PASS
BAND 12	10MHz	QPSK	23095	50RB#0	NV	0	1.70	0.002403	±2.5	PASS
BAND 12	10MHz	QPSK	23095	50RB#0	NV	10	0.60	0.000848	±2.5	PASS

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BAND 12	10MHz	QPSK	23095	50RB#0	NV	20	1.30	0.001837	±2.5	PASS
BAND 12	10MHz	QPSK	23130	50RB#0	NV	-30	-2.20	-0.003094	±2.5	PASS
BAND 12	10MHz	QPSK	23130	50RB#0	NV	-20	-1.30	-0.001828	±2.5	PASS
BAND 12	10MHz	QPSK	23130	50RB#0	NV	0	-3.00	-0.004219	±2.5	PASS
BAND 12	10MHz	QPSK	23130	50RB#0	NV	10	-2.20	-0.003094	±2.5	PASS
BAND 12	10MHz	QPSK	23130	50RB#0	NV	20	-3.70	-0.005204	±2.5	PASS
BAND 12	10MHz	64QAM	23060	50RB#0	NV	-30	-2.10	-0.002983	±2.5	PASS
BAND 12	10MHz	64QAM	23060	50RB#0	NV	-20	-0.40	-0.000568	±2.5	PASS
BAND 12	10MHz	64QAM	23060	50RB#0	NV	0	-0.50	-0.000710	±2.5	PASS
BAND 12	10MHz	64QAM	23060	50RB#0	NV	10	-2.60	-0.003657	±2.5	PASS
BAND 12	10MHz	64QAM	23060	50RB#0	NV	20	-2.70	-0.003797	±2.5	PASS
BAND 12	10MHz	64QAM	23095	50RB#0	NV	-30	-0.20	-0.000283	±2.5	PASS
BAND 12	10MHz	64QAM	23095	50RB#0	NV	-20	-1.90	-0.002686	±2.5	PASS
BAND 12	10MHz	64QAM	23095	50RB#0	NV	0	1.40	0.001979	±2.5	PASS
BAND 12	10MHz	64QAM	23095	50RB#0	NV	10	-3.90	-0.005512	±2.5	PASS
BAND 12	10MHz	64QAM	23095	50RB#0	NV	20	-3.60	-0.005088	±2.5	PASS
BAND 12	10MHz	64QAM	23130	50RB#0	NV	-30	0.30	0.000422	±2.5	PASS
BAND 12	10MHz	64QAM	23130	50RB#0	NV	-20	-3.30	-0.004641	±2.5	PASS
BAND 12	10MHz	64QAM	23130	50RB#0	NV	0	-3.20	-0.004501	±2.5	PASS
BAND 12	10MHz	64QAM	23130	50RB#0	NV	10	-4.60	-0.006470	±2.5	PASS
BAND 12	10MHz	64QAM	23130	50RB#0	NV	20	-4.20	-0.005907	±2.5	PASS
BAND 12	10MHz	16QAM	23060	50RB#0	NV	-30	-0.50	-0.000710	±2.5	PASS
BAND 12	10MHz	16QAM	23060	50RB#0	NV	-20	-2.10	-0.002983	±2.5	PASS
BAND 12	10MHz	16QAM	23060	50RB#0	NV	0	-0.40	-0.000568	±2.5	PASS
BAND 12	10MHz	16QAM	23060	50RB#0	NV	10	-0.50	-0.000710	±2.5	PASS
BAND 12	10MHz	16QAM	23060	50RB#0	NV	20	2.10	0.002983	±2.5	PASS
BAND 12	10MHz	16QAM	23095	50RB#0	NV	-30	0.00	0.000000	±2.5	PASS
BAND 12	10MHz	16QAM	23095	50RB#0	NV	-20	0.60	0.000848	±2.5	PASS
BAND 12	10MHz	16QAM	23095	50RB#0	NV	0	0.80	0.001131	±2.5	PASS
BAND 12	10MHz	16QAM	23095	50RB#0	NV	10	1.10	0.001555	±2.5	PASS
BAND 12	10MHz	16QAM	23095	50RB#0	NV	20	-1.20	-0.001696	±2.5	PASS
BAND 12	10MHz	16QAM	23130	50RB#0	NV	-30	-2.80	-0.003938	±2.5	PASS
BAND 12	10MHz	16QAM	23130	50RB#0	NV	-20	-2.60	-0.003657	±2.5	PASS
BAND 12	10MHz	16QAM	23130	50RB#0	NV	0	-2.70	-0.003797	±2.5	PASS
BAND 12	10MHz	16QAM	23130	50RB#0	NV	10	-2.80	-0.003938	±2.5	PASS
BAND 12	10MHz	16QAM	23130	50RB#0	NV	20	-4.10	-0.005767	±2.5	PASS

The End