



# Appendix B

## E-UTRA BAND 66



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## 1. Effective (Isotropic) Radiated Power

### 1.1. Test Result

BAND	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
BAND66	1.4MHz	QPSK	131979	1RB#0	22.36	21.86	30.00	PASS
BAND66	1.4MHz	QPSK	131979	1RB#2	22.50	22.00	30.00	PASS
BAND66	1.4MHz	QPSK	131979	1RB#5	22.39	21.89	30.00	PASS
BAND66	1.4MHz	QPSK	131979	3RB#0	22.44	21.94	30.00	PASS
BAND66	1.4MHz	QPSK	131979	3RB#1	22.49	21.99	30.00	PASS
BAND66	1.4MHz	QPSK	131979	3RB#3	22.46	21.96	30.00	PASS
BAND66	1.4MHz	QPSK	131979	6RB#0	21.41	20.91	30.00	PASS
BAND66	1.4MHz	QPSK	132322	1RB#0	22.47	21.97	30.00	PASS
BAND66	1.4MHz	QPSK	132322	1RB#2	22.64	22.14	30.00	PASS
BAND66	1.4MHz	QPSK	132322	1RB#5	22.48	21.98	30.00	PASS
BAND66	1.4MHz	QPSK	132322	3RB#0	22.56	22.06	30.00	PASS
BAND66	1.4MHz	QPSK	132322	3RB#1	22.61	22.11	30.00	PASS
BAND66	1.4MHz	QPSK	132322	3RB#3	22.57	22.07	30.00	PASS
BAND66	1.4MHz	QPSK	132322	6RB#0	21.56	21.06	30.00	PASS
BAND66	1.4MHz	QPSK	132665	1RB#0	21.78	21.28	30.00	PASS
BAND66	1.4MHz	QPSK	132665	1RB#2	22.82	22.32	30.00	PASS
BAND66	1.4MHz	QPSK	132665	1RB#5	22.72	22.22	30.00	PASS
BAND66	1.4MHz	QPSK	132665	3RB#0	22.78	22.28	30.00	PASS
BAND66	1.4MHz	QPSK	132665	3RB#1	22.83	22.33	30.00	PASS
BAND66	1.4MHz	QPSK	132665	3RB#3	22.79	22.29	30.00	PASS
BAND66	1.4MHz	QPSK	132665	6RB#0	21.78	21.28	30.00	PASS
BAND66	1.4MHz	16QAM	131979	1RB#0	21.50	21.00	30.00	PASS
BAND66	1.4MHz	16QAM	131979	1RB#2	21.73	21.23	30.00	PASS
BAND66	1.4MHz	16QAM	131979	1RB#5	21.60	21.10	30.00	PASS
BAND66	1.4MHz	16QAM	131979	3RB#0	21.53	21.03	30.00	PASS
BAND66	1.4MHz	16QAM	131979	3RB#1	21.58	21.08	30.00	PASS
BAND66	1.4MHz	16QAM	131979	3RB#3	21.52	21.02	30.00	PASS
BAND66	1.4MHz	16QAM	131979	6RB#0	20.53	20.03	30.00	PASS
BAND66	1.4MHz	16QAM	132322	1RB#0	21.66	21.16	30.00	PASS
BAND66	1.4MHz	16QAM	132322	1RB#2	21.88	21.38	30.00	PASS
BAND66	1.4MHz	16QAM	132322	1RB#5	21.55	21.05	30.00	PASS
BAND66	1.4MHz	16QAM	132322	3RB#0	21.63	21.13	30.00	PASS
BAND66	1.4MHz	16QAM	132322	3RB#1	21.73	21.23	30.00	PASS
BAND66	1.4MHz	16QAM	132322	3RB#3	21.67	21.17	30.00	PASS



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BAND66	1.4MHz	16QAM	132322	6RB#0	20.65	20.15	30.00	PASS
BAND66	1.4MHz	16QAM	132665	1RB#0	21.96	21.46	30.00	PASS
BAND66	1.4MHz	16QAM	132665	1RB#2	22.11	21.61	30.00	PASS
BAND66	1.4MHz	16QAM	132665	1RB#5	21.91	21.41	30.00	PASS
BAND66	1.4MHz	16QAM	132665	3RB#0	21.88	21.38	30.00	PASS
BAND66	1.4MHz	16QAM	132665	3RB#1	21.95	21.45	30.00	PASS
BAND66	1.4MHz	16QAM	132665	3RB#3	21.88	21.38	30.00	PASS
BAND66	1.4MHz	16QAM	132665	6RB#0	20.80	20.30	30.00	PASS
BAND66	3MHz	QPSK	131987	1RB#0	22.43	21.93	30.00	PASS
BAND66	3MHz	QPSK	131987	1RB#8	22.44	21.94	30.00	PASS
BAND66	3MHz	QPSK	131987	1RB#14	22.48	21.98	30.00	PASS
BAND66	3MHz	QPSK	131987	8RB#0	21.43	20.93	30.00	PASS
BAND66	3MHz	QPSK	131987	8RB#4	21.49	20.99	30.00	PASS
BAND66	3MHz	QPSK	131987	8RB#7	21.45	20.95	30.00	PASS
BAND66	3MHz	QPSK	131987	15RB#0	21.44	20.94	30.00	PASS
BAND66	3MHz	QPSK	132322	1RB#0	22.53	22.03	30.00	PASS
BAND66	3MHz	QPSK	132322	1RB#8	22.55	22.05	30.00	PASS
BAND66	3MHz	QPSK	132322	1RB#14	22.56	22.06	30.00	PASS
BAND66	3MHz	QPSK	132322	8RB#0	21.55	21.05	30.00	PASS
BAND66	3MHz	QPSK	132322	8RB#4	21.58	21.08	30.00	PASS
BAND66	3MHz	QPSK	132322	8RB#7	21.56	21.06	30.00	PASS
BAND66	3MHz	QPSK	132322	15RB#0	21.54	21.04	30.00	PASS
BAND66	3MHz	QPSK	132657	1RB#0	22.78	22.28	30.00	PASS
BAND66	3MHz	QPSK	132657	1RB#8	22.76	22.26	30.00	PASS
BAND66	3MHz	QPSK	132657	1RB#14	22.77	22.27	30.00	PASS
BAND66	3MHz	QPSK	132657	8RB#0	21.79	21.29	30.00	PASS
BAND66	3MHz	QPSK	132657	8RB#4	21.81	21.31	30.00	PASS
BAND66	3MHz	QPSK	132657	8RB#7	21.78	21.28	30.00	PASS
BAND66	3MHz	QPSK	132657	15RB#0	21.76	21.26	30.00	PASS
BAND66	3MHz	16QAM	131987	1RB#0	21.67	21.17	30.00	PASS
BAND66	3MHz	16QAM	131987	1RB#8	21.66	21.16	30.00	PASS
BAND66	3MHz	16QAM	131987	1RB#14	21.63	21.13	30.00	PASS
BAND66	3MHz	16QAM	131987	8RB#0	20.52	20.02	30.00	PASS
BAND66	3MHz	16QAM	131987	8RB#4	20.57	20.07	30.00	PASS
BAND66	3MHz	16QAM	131987	8RB#7	20.52	20.02	30.00	PASS
BAND66	3MHz	16QAM	131987	15RB#0	20.46	19.96	30.00	PASS
BAND66	3MHz	16QAM	132322	1RB#0	21.58	21.08	30.00	PASS
BAND66	3MHz	16QAM	132322	1RB#8	21.85	21.35	30.00	PASS
BAND66	3MHz	16QAM	132322	1RB#14	21.74	21.24	30.00	PASS
BAND66	3MHz	16QAM	132322	8RB#0	20.62	20.12	30.00	PASS
BAND66	3MHz	16QAM	132322	8RB#4	20.69	20.19	30.00	PASS

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BAND66	3MHz	16QAM	132322	8RB#7	20.65	20.15	30.00	PASS
BAND66	3MHz	16QAM	132322	15RB#0	20.58	20.08	30.00	PASS
BAND66	3MHz	16QAM	132657	1RB#0	21.96	21.46	30.00	PASS
BAND66	3MHz	16QAM	132657	1RB#8	22.06	21.56	30.00	PASS
BAND66	3MHz	16QAM	132657	1RB#14	22.05	21.55	30.00	PASS
BAND66	3MHz	16QAM	132657	8RB#0	20.80	20.30	30.00	PASS
BAND66	3MHz	16QAM	132657	8RB#4	20.80	20.30	30.00	PASS
BAND66	3MHz	16QAM	132657	8RB#7	20.76	20.26	30.00	PASS
BAND66	3MHz	16QAM	132657	15RB#0	20.72	20.22	30.00	PASS
BAND66	5MHz	QPSK	131997	1RB#0	22.34	21.84	30.00	PASS
BAND66	5MHz	QPSK	131997	1RB#12	22.61	22.11	30.00	PASS
BAND66	5MHz	QPSK	131997	1RB#24	22.40	21.90	30.00	PASS
BAND66	5MHz	QPSK	131997	12RB#0	21.41	20.91	30.00	PASS
BAND66	5MHz	QPSK	131997	12RB#6	21.48	20.98	30.00	PASS
BAND66	5MHz	QPSK	131997	12RB#13	21.40	20.90	30.00	PASS
BAND66	5MHz	QPSK	131997	25RB#0	21.41	20.91	30.00	PASS
BAND66	5MHz	QPSK	132322	1RB#0	22.44	21.94	30.00	PASS
BAND66	5MHz	QPSK	132322	1RB#12	22.71	22.21	30.00	PASS
BAND66	5MHz	QPSK	132322	1RB#24	22.46	21.96	30.00	PASS
BAND66	5MHz	QPSK	132322	12RB#0	21.50	21.00	30.00	PASS
BAND66	5MHz	QPSK	132322	12RB#6	21.59	21.09	30.00	PASS
BAND66	5MHz	QPSK	132322	12RB#13	21.54	21.04	30.00	PASS
BAND66	5MHz	QPSK	132322	25RB#0	21.53	21.03	30.00	PASS
BAND66	5MHz	QPSK	132647	1RB#0	22.71	22.21	30.00	PASS
BAND66	5MHz	QPSK	132647	1RB#12	22.96	22.46	30.00	PASS
BAND66	5MHz	QPSK	132647	1RB#24	22.69	22.19	30.00	PASS
BAND66	5MHz	QPSK	132647	12RB#0	21.75	21.25	30.00	PASS
BAND66	5MHz	QPSK	132647	12RB#6	21.80	21.30	30.00	PASS
BAND66	5MHz	QPSK	132647	12RB#13	21.72	21.22	30.00	PASS
BAND66	5MHz	QPSK	132647	25RB#0	21.75	21.25	30.00	PASS
BAND66	5MHz	16QAM	131997	1RB#0	21.49	20.99	30.00	PASS
BAND66	5MHz	16QAM	131997	1RB#12	21.72	21.22	30.00	PASS
BAND66	5MHz	16QAM	131997	1RB#24	21.66	21.16	30.00	PASS
BAND66	5MHz	16QAM	131997	12RB#0	20.47	19.97	30.00	PASS
BAND66	5MHz	16QAM	131997	12RB#6	20.57	20.07	30.00	PASS
BAND66	5MHz	16QAM	131997	12RB#13	20.53	20.03	30.00	PASS
BAND66	5MHz	16QAM	131997	25RB#0	20.45	19.95	30.00	PASS
BAND66	5MHz	16QAM	132322	1RB#0	21.71	21.21	30.00	PASS
BAND66	5MHz	16QAM	132322	1RB#12	21.94	21.44	30.00	PASS
BAND66	5MHz	16QAM	132322	1RB#24	21.69	21.19	30.00	PASS
BAND66	5MHz	16QAM	132322	12RB#0	20.59	20.09	30.00	PASS

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BAND66	5MHz	16QAM	132322	12RB#6	20.66	20.16	30.00	PASS
BAND66	5MHz	16QAM	132322	12RB#13	20.63	20.13	30.00	PASS
BAND66	5MHz	16QAM	132322	25RB#0	20.61	20.11	30.00	PASS
BAND66	5MHz	16QAM	132647	1RB#0	21.98	21.48	30.00	PASS
BAND66	5MHz	16QAM	132647	1RB#12	22.09	21.59	30.00	PASS
BAND66	5MHz	16QAM	132647	1RB#24	21.84	21.34	30.00	PASS
BAND66	5MHz	16QAM	132647	12RB#0	20.75	20.25	30.00	PASS
BAND66	5MHz	16QAM	132647	12RB#6	20.84	20.34	30.00	PASS
BAND66	5MHz	16QAM	132647	12RB#13	20.76	20.26	30.00	PASS
BAND66	5MHz	16QAM	132647	25RB#0	20.71	20.21	30.00	PASS
BAND66	10MHz	QPSK	132022	1RB#0	22.41	21.91	30.00	PASS
BAND66	10MHz	QPSK	132022	1RB#24	22.61	22.11	30.00	PASS
BAND66	10MHz	QPSK	132022	1RB#49	22.54	22.04	30.00	PASS
BAND66	10MHz	QPSK	132022	25RB#0	21.50	21.00	30.00	PASS
BAND66	10MHz	QPSK	132022	25RB#12	21.55	21.05	30.00	PASS
BAND66	10MHz	QPSK	132022	25RB#25	21.57	21.07	30.00	PASS
BAND66	10MHz	QPSK	132022	50RB#0	21.54	21.04	30.00	PASS
BAND66	10MHz	QPSK	132322	1RB#0	22.48	21.98	30.00	PASS
BAND66	10MHz	QPSK	132322	1RB#24	22.68	22.18	30.00	PASS
BAND66	10MHz	QPSK	132322	1RB#49	22.54	22.04	30.00	PASS
BAND66	10MHz	QPSK	132322	25RB#0	21.52	21.02	30.00	PASS
BAND66	10MHz	QPSK	132322	25RB#12	21.62	21.12	30.00	PASS
BAND66	10MHz	QPSK	132322	25RB#25	21.63	21.13	30.00	PASS
BAND66	10MHz	QPSK	132322	50RB#0	21.56	21.06	30.00	PASS
BAND66	10MHz	QPSK	132622	1RB#0	22.80	22.30	30.00	PASS
BAND66	10MHz	QPSK	132622	1RB#24	22.88	22.38	30.00	PASS
BAND66	10MHz	QPSK	132622	1RB#49	22.75	22.25	30.00	PASS
BAND66	10MHz	QPSK	132622	25RB#0	21.94	21.44	30.00	PASS
BAND66	10MHz	QPSK	132622	25RB#12	21.83	21.33	30.00	PASS
BAND66	10MHz	QPSK	132622	25RB#25	21.78	21.28	30.00	PASS
BAND66	10MHz	QPSK	132622	50RB#0	21.86	21.36	30.00	PASS
BAND66	10MHz	16QAM	132022	1RB#0	21.59	21.09	30.00	PASS
BAND66	10MHz	16QAM	132022	1RB#24	21.83	21.33	30.00	PASS
BAND66	10MHz	16QAM	132022	1RB#49	21.69	21.19	30.00	PASS
BAND66	10MHz	16QAM	132022	25RB#0	20.50	20.00	30.00	PASS
BAND66	10MHz	16QAM	132022	25RB#12	20.57	20.07	30.00	PASS
BAND66	10MHz	16QAM	132022	25RB#25	20.65	20.15	30.00	PASS
BAND66	10MHz	16QAM	132022	50RB#0	20.55	20.05	30.00	PASS
BAND66	10MHz	16QAM	132322	1RB#0	21.71	21.21	30.00	PASS
BAND66	10MHz	16QAM	132322	1RB#24	22.03	21.53	30.00	PASS
BAND66	10MHz	16QAM	132322	1RB#49	21.75	21.25	30.00	PASS

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BAND66	10MHz	16QAM	132322	25RB#0	20.58	20.08	30.00	PASS
BAND66	10MHz	16QAM	132322	25RB#12	20.62	20.12	30.00	PASS
BAND66	10MHz	16QAM	132322	25RB#25	20.68	20.18	30.00	PASS
BAND66	10MHz	16QAM	132322	50RB#0	20.62	20.12	30.00	PASS
BAND66	10MHz	16QAM	132622	1RB#0	22.03	21.53	30.00	PASS
BAND66	10MHz	16QAM	132622	1RB#24	22.13	21.63	30.00	PASS
BAND66	10MHz	16QAM	132622	1RB#49	21.92	21.42	30.00	PASS
BAND66	10MHz	16QAM	132622	25RB#0	20.91	20.41	30.00	PASS
BAND66	10MHz	16QAM	132622	25RB#12	20.82	20.32	30.00	PASS
BAND66	10MHz	16QAM	132622	25RB#25	20.77	20.27	30.00	PASS
BAND66	10MHz	16QAM	132622	50RB#0	20.81	20.31	30.00	PASS
BAND66	15MHz	QPSK	132047	1RB#0	22.35	21.85	30.00	PASS
BAND66	15MHz	QPSK	132047	1RB#38	22.56	22.06	30.00	PASS
BAND66	15MHz	QPSK	132047	1RB#74	22.50	22.00	30.00	PASS
BAND66	15MHz	QPSK	132047	36RB#0	21.49	20.99	30.00	PASS
BAND66	15MHz	QPSK	132047	36RB#18	21.56	21.06	30.00	PASS
BAND66	15MHz	QPSK	132047	36RB#39	21.53	21.03	30.00	PASS
BAND66	15MHz	QPSK	132047	75RB#0	21.53	21.03	30.00	PASS
BAND66	15MHz	QPSK	132322	1RB#0	22.44	21.94	30.00	PASS
BAND66	15MHz	QPSK	132322	1RB#38	22.59	22.09	30.00	PASS
BAND66	15MHz	QPSK	132322	1RB#74	22.51	22.01	30.00	PASS
BAND66	15MHz	QPSK	132322	36RB#0	21.50	21.00	30.00	PASS
BAND66	15MHz	QPSK	132322	36RB#18	21.57	21.07	30.00	PASS
BAND66	15MHz	QPSK	132322	36RB#39	21.60	21.10	30.00	PASS
BAND66	15MHz	QPSK	132322	75RB#0	21.58	21.08	30.00	PASS
BAND66	15MHz	QPSK	132597	1RB#0	22.68	22.18	30.00	PASS
BAND66	15MHz	QPSK	132597	1RB#38	22.78	22.28	30.00	PASS
BAND66	15MHz	QPSK	132597	1RB#74	22.68	22.18	30.00	PASS
BAND66	15MHz	QPSK	132597	36RB#0	21.85	21.35	30.00	PASS
BAND66	15MHz	QPSK	132597	36RB#18	21.86	21.36	30.00	PASS
BAND66	15MHz	QPSK	132597	36RB#39	21.79	21.29	30.00	PASS
BAND66	15MHz	QPSK	132597	75RB#0	21.83	21.33	30.00	PASS
BAND66	15MHz	16QAM	132047	1RB#0	21.54	21.04	30.00	PASS
BAND66	15MHz	16QAM	132047	1RB#38	21.68	21.18	30.00	PASS
BAND66	15MHz	16QAM	132047	1RB#74	21.79	21.29	30.00	PASS
BAND66	15MHz	16QAM	132047	36RB#0	20.55	20.05	30.00	PASS
BAND66	15MHz	16QAM	132047	36RB#18	20.63	20.13	30.00	PASS
BAND66	15MHz	16QAM	132047	36RB#39	20.63	20.13	30.00	PASS
BAND66	15MHz	16QAM	132047	75RB#0	20.57	20.07	30.00	PASS
BAND66	15MHz	16QAM	132322	1RB#0	21.67	21.17	30.00	PASS
BAND66	15MHz	16QAM	132322	1RB#38	21.76	21.26	30.00	PASS

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BAND66	15MHz	16QAM	132322	1RB#74	21.72	21.22	30.00	PASS
BAND66	15MHz	16QAM	132322	36RB#0	20.59	20.09	30.00	PASS
BAND66	15MHz	16QAM	132322	36RB#18	20.60	20.10	30.00	PASS
BAND66	15MHz	16QAM	132322	36RB#39	20.66	20.16	30.00	PASS
BAND66	15MHz	16QAM	132322	75RB#0	20.63	20.13	30.00	PASS
BAND66	15MHz	16QAM	132597	1RB#0	21.82	21.32	30.00	PASS
BAND66	15MHz	16QAM	132597	1RB#38	22.06	21.56	30.00	PASS
BAND66	15MHz	16QAM	132597	1RB#74	21.96	21.46	30.00	PASS
BAND66	15MHz	16QAM	132597	36RB#0	20.81	20.31	30.00	PASS
BAND66	15MHz	16QAM	132597	36RB#18	20.83	20.33	30.00	PASS
BAND66	15MHz	16QAM	132597	36RB#39	20.73	20.23	30.00	PASS
BAND66	15MHz	16QAM	132597	75RB#0	20.78	20.28	30.00	PASS
BAND66	20MHz	QPSK	132072	1RB#0	22.23	21.73	30.00	PASS
BAND66	20MHz	QPSK	132072	1RB#49	22.68	22.18	30.00	PASS
BAND66	20MHz	QPSK	132072	1RB#99	22.29	21.79	30.00	PASS
BAND66	20MHz	QPSK	132072	50RB#0	21.61	21.11	30.00	PASS
BAND66	20MHz	QPSK	132072	50RB#25	21.59	21.09	30.00	PASS
BAND66	20MHz	QPSK	132072	50RB#50	21.50	21.00	30.00	PASS
BAND66	20MHz	QPSK	132072	100RB#0	21.52	21.02	30.00	PASS
BAND66	20MHz	QPSK	132322	1RB#0	22.26	21.76	30.00	PASS
BAND66	20MHz	QPSK	132322	1RB#49	22.65	22.15	30.00	PASS
BAND66	20MHz	QPSK	132322	1RB#99	22.38	21.88	30.00	PASS
BAND66	20MHz	QPSK	132322	50RB#0	21.51	21.01	30.00	PASS
BAND66	20MHz	QPSK	132322	50RB#25	21.57	21.07	30.00	PASS
BAND66	20MHz	QPSK	132322	50RB#50	21.70	21.20	30.00	PASS
BAND66	20MHz	QPSK	132322	100RB#0	21.62	21.12	30.00	PASS
BAND66	20MHz	QPSK	132572	1RB#0	22.43	21.93	30.00	PASS
BAND66	20MHz	QPSK	132572	1RB#49	22.88	22.38	30.00	PASS
BAND66	20MHz	QPSK	132572	1RB#99	22.53	22.03	30.00	PASS
BAND66	20MHz	QPSK	132572	50RB#0	21.91	21.41	30.00	PASS
BAND66	20MHz	QPSK	132572	50RB#25	21.85	21.35	30.00	PASS
BAND66	20MHz	QPSK	132572	50RB#50	21.74	21.24	30.00	PASS
BAND66	20MHz	QPSK	132572	100RB#0	21.83	21.33	30.00	PASS
BAND66	20MHz	16QAM	132072	1RB#0	21.43	20.93	30.00	PASS
BAND66	20MHz	16QAM	132072	1RB#49	21.84	21.34	30.00	PASS
BAND66	20MHz	16QAM	132072	1RB#99	21.55	21.05	30.00	PASS
BAND66	20MHz	16QAM	132072	50RB#0	20.64	20.14	30.00	PASS
BAND66	20MHz	16QAM	132072	50RB#25	20.62	20.12	30.00	PASS
BAND66	20MHz	16QAM	132072	50RB#50	20.53	20.03	30.00	PASS
BAND66	20MHz	16QAM	132072	100RB#0	20.56	20.06	30.00	PASS
BAND66	20MHz	16QAM	132322	1RB#0	21.55	21.05	30.00	PASS

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BAND66	20MHz	16QAM	132322	1RB#49	21.91	21.41	30.00	PASS
BAND66	20MHz	16QAM	132322	1RB#99	21.48	20.98	30.00	PASS
BAND66	20MHz	16QAM	132322	50RB#0	20.54	20.04	30.00	PASS
BAND66	20MHz	16QAM	132322	50RB#25	20.61	20.11	30.00	PASS
BAND66	20MHz	16QAM	132322	50RB#50	20.71	20.21	30.00	PASS
BAND66	20MHz	16QAM	132322	100RB#0	20.65	20.15	30.00	PASS
BAND66	20MHz	16QAM	132572	1RB#0	21.67	21.17	30.00	PASS
BAND66	20MHz	16QAM	132572	1RB#49	22.04	21.54	30.00	PASS
BAND66	20MHz	16QAM	132572	1RB#99	21.82	21.32	30.00	PASS
BAND66	20MHz	16QAM	132572	50RB#0	20.85	20.35	30.00	PASS
BAND66	20MHz	16QAM	132572	50RB#25	20.80	20.30	30.00	PASS
BAND66	20MHz	16QAM	132572	50RB#50	20.69	20.19	30.00	PASS
BAND66	20MHz	16QAM	132572	100RB#0	20.75	20.25	30.00	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

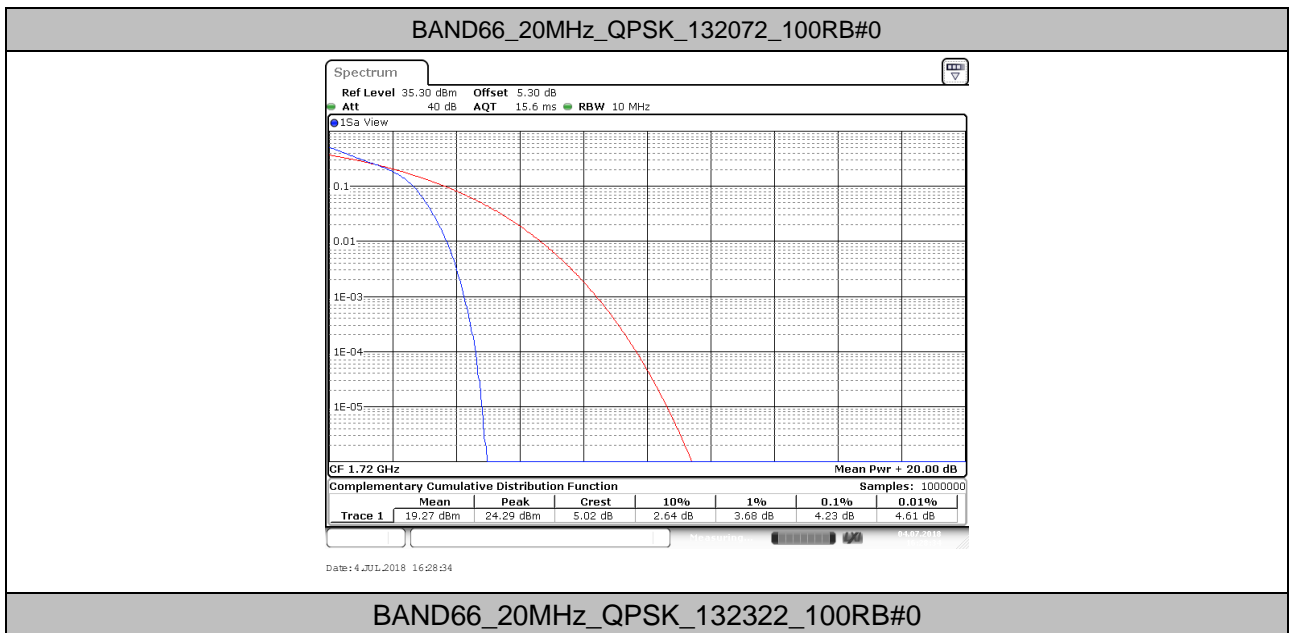


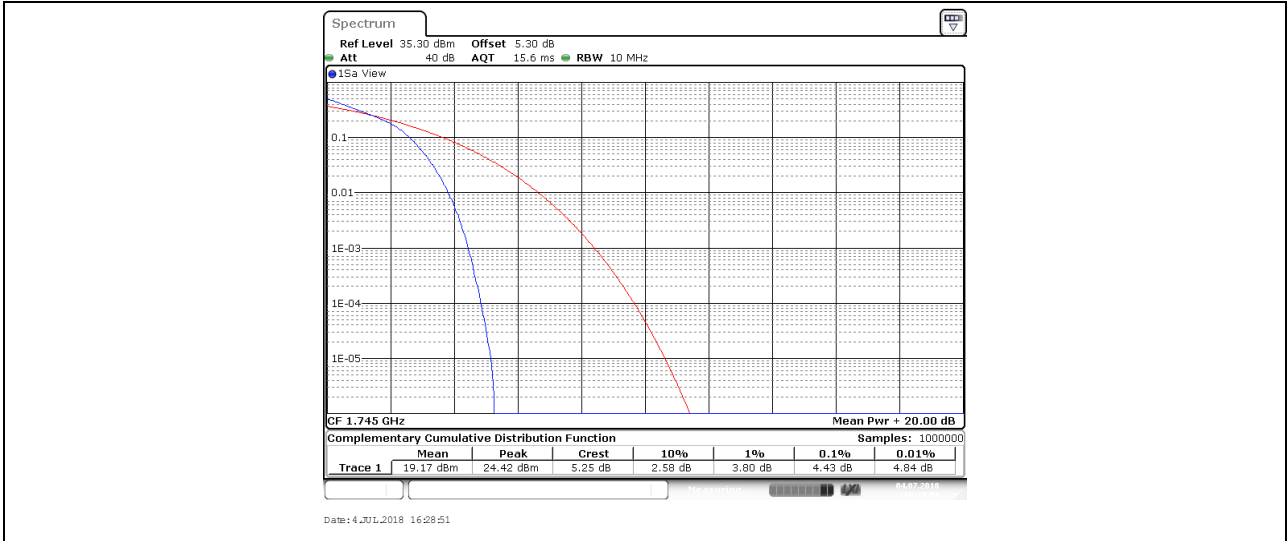
## 2. Peak-to-Average Ratio(CCDF)

### 2.1. Test Result

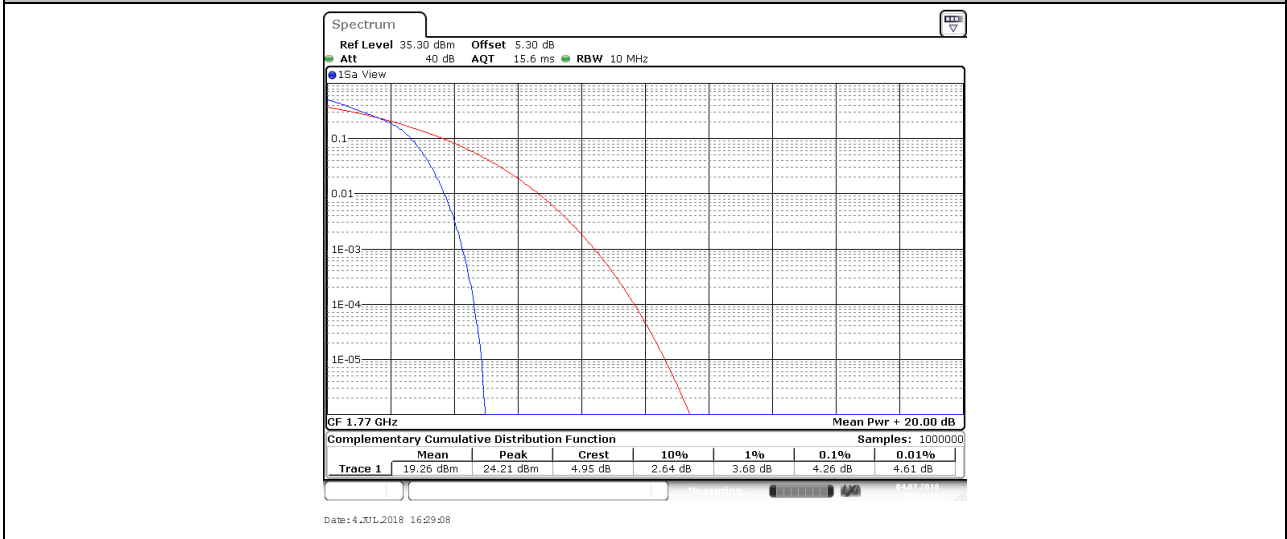
BAND	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
BAND66	20MHz	QPSK	132072	100RB#0	4.23	13	PASS
BAND66	20MHz	QPSK	132322	100RB#0	4.43	13	PASS
BAND66	20MHz	QPSK	132572	100RB#0	4.26	13	PASS
BAND66	20MHz	16QAM	132072	100RB#0	5.80	13	PASS
BAND66	20MHz	16QAM	132322	100RB#0	5.88	13	PASS
BAND66	20MHz	16QAM	132572	100RB#0	5.77	13	PASS

### 2.2. Test Plots

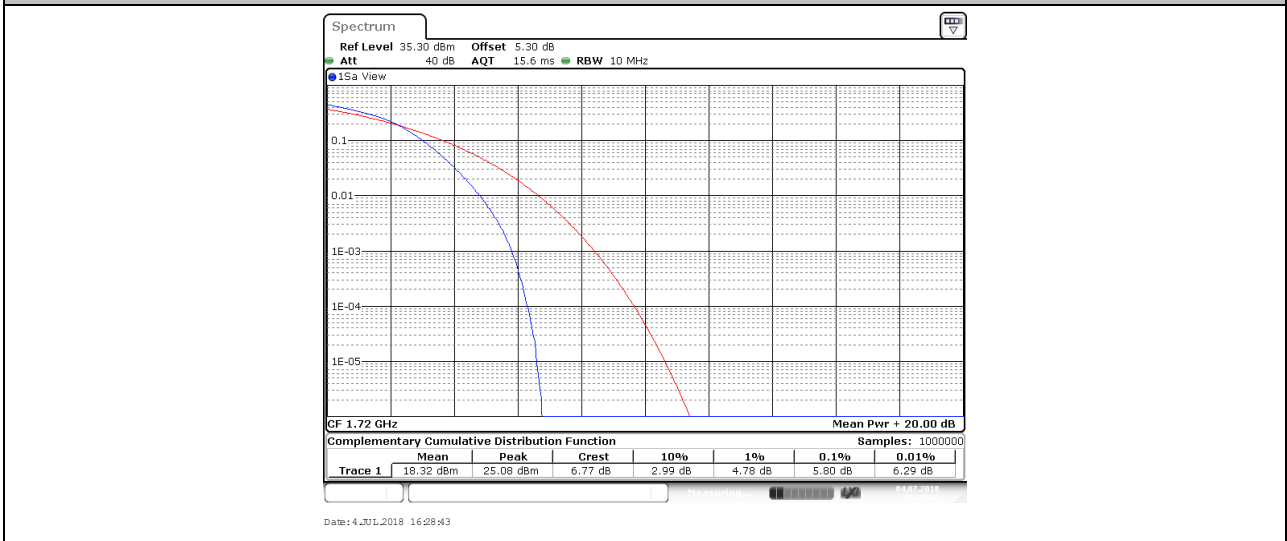




BAND66\_20MHz\_QPSK\_132572\_100RB#0



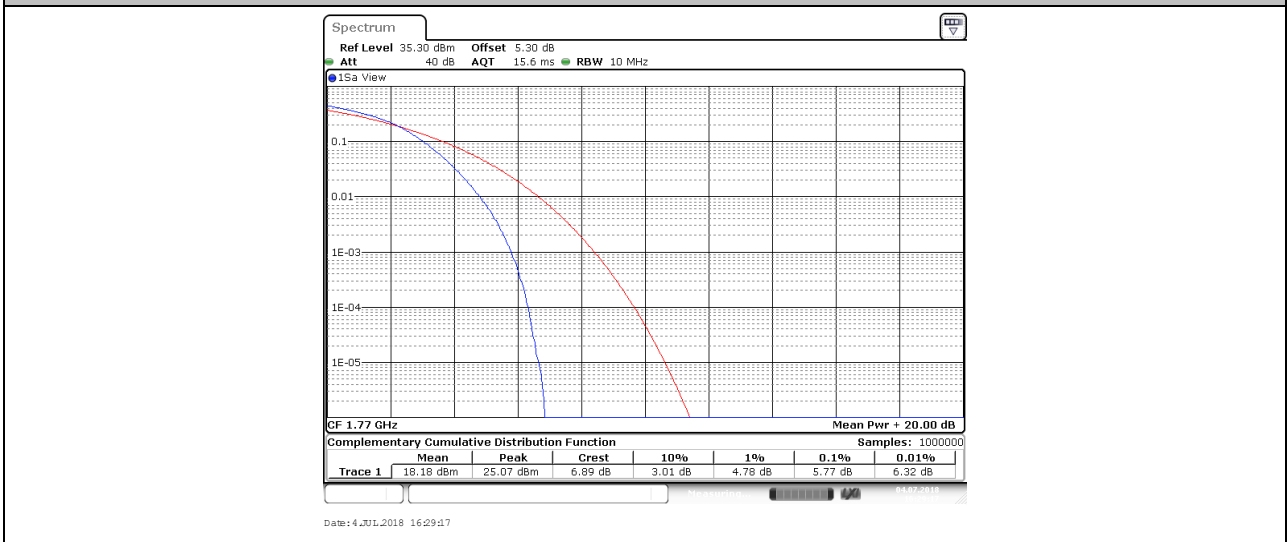
BAND66\_20MHz\_16QAM\_132072\_100RB#0



BAND66\_20MHz\_16QAM\_132322\_100RB#0



BAND66\_20MHz\_16QAM\_132572\_100RB#0

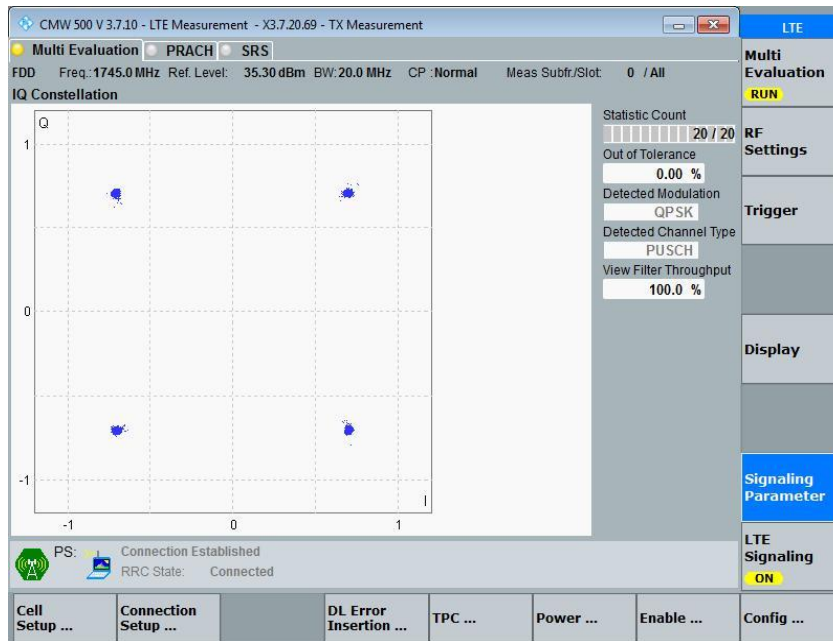


### 3. Modulation Characteristics

#### 3.1. Test BAND = LTE BAND 66

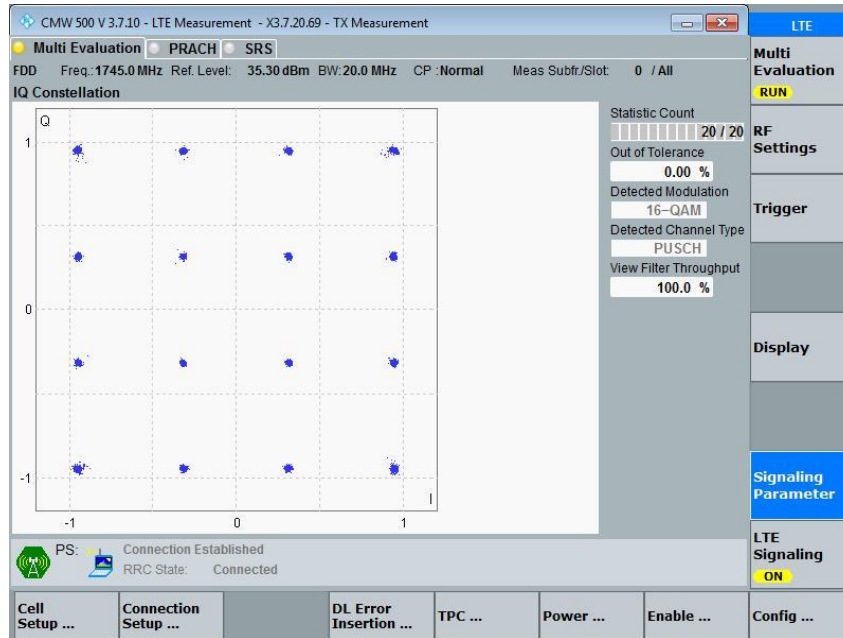
#### 3.1.1. Test Mode = LTE /TM1 20MHz

#### 3.1.1.1. Test Channel = MCH



### 3.1.2. Test Mode = LTE /TM2 20MHz

#### 3.1.2.1. Test Channel = MCH







## 4. 26dB Bandwidth and Occupied Bandwidth

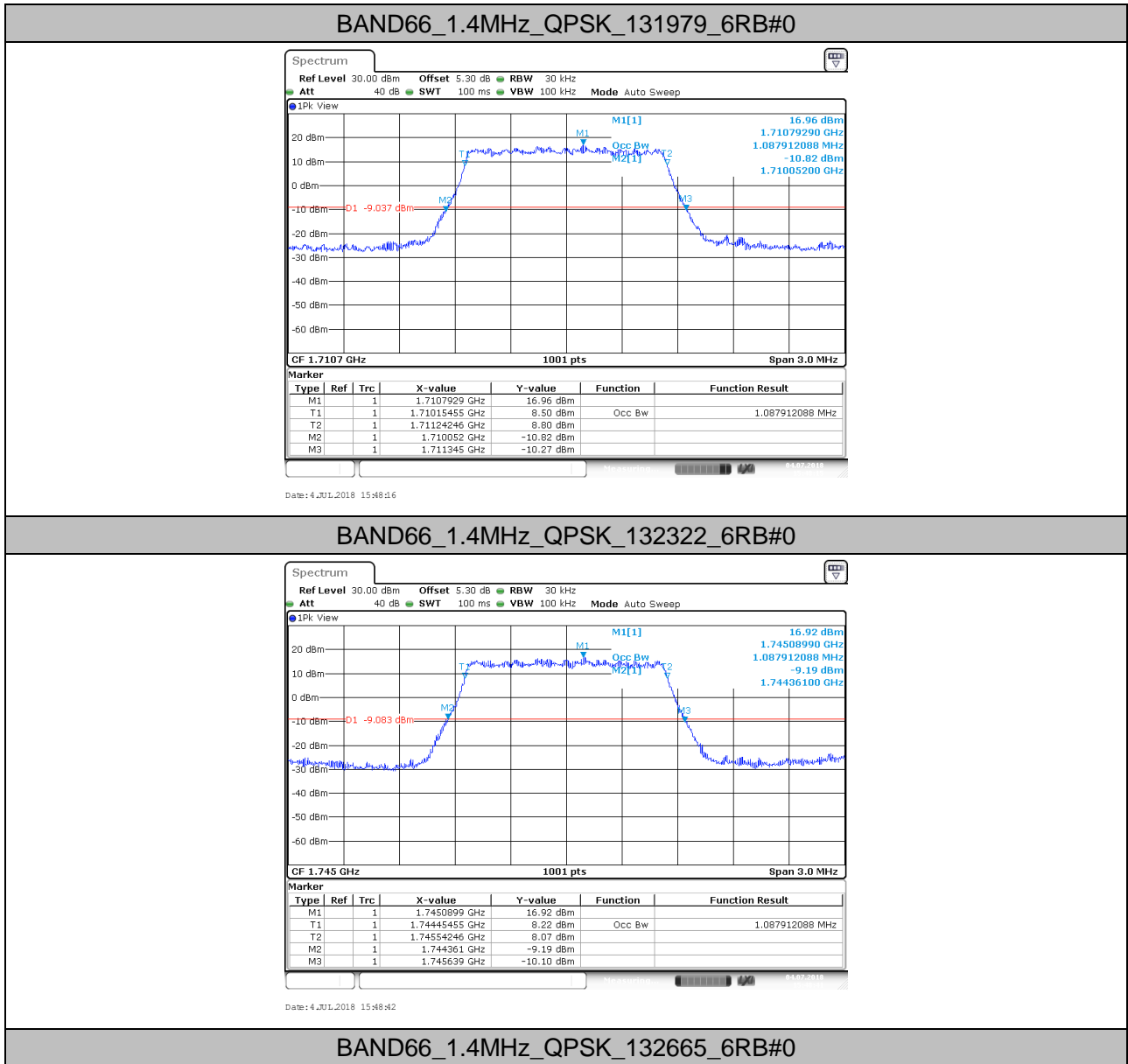
### 4.1. Test Result

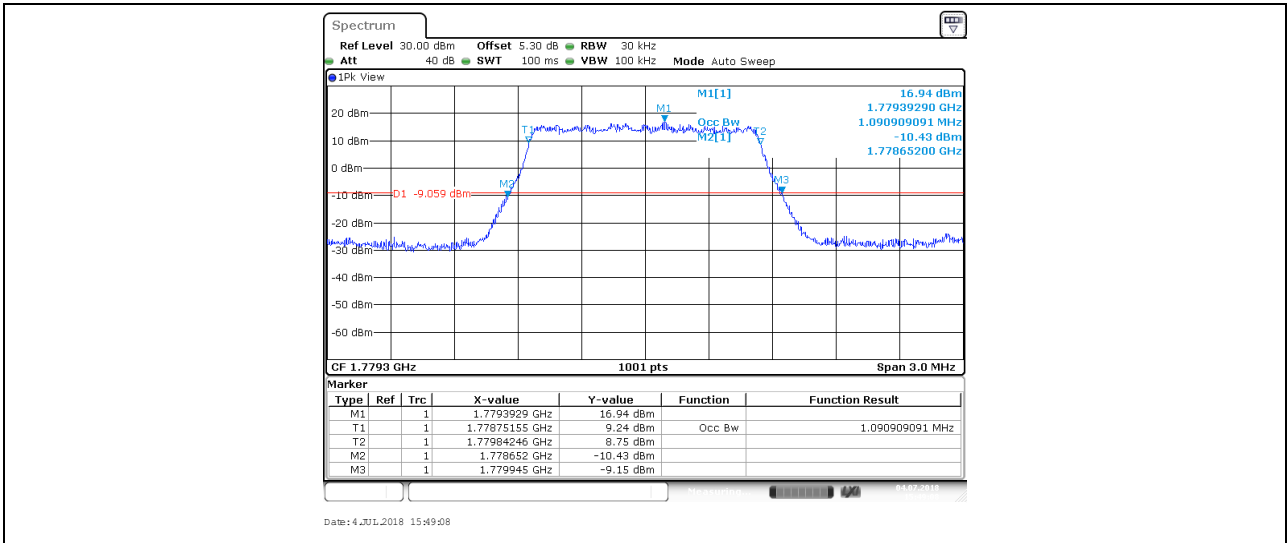
BAND	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
BAND66	1.4MHz	QPSK	131979	6RB#0	1.088	1.293	PASS
BAND66	1.4MHz	QPSK	132322	6RB#0	1.088	1.278	PASS
BAND66	1.4MHz	QPSK	132665	6RB#0	1.091	1.293	PASS
BAND66	1.4MHz	16QAM	131979	6RB#0	1.091	1.284	PASS
BAND66	1.4MHz	16QAM	132322	6RB#0	1.088	1.287	PASS
BAND66	1.4MHz	16QAM	132665	6RB#0	1.088	1.287	PASS
BAND66	3MHz	QPSK	131987	15RB#0	2.691	2.916	PASS
BAND66	3MHz	QPSK	132322	15RB#0	2.691	2.916	PASS
BAND66	3MHz	QPSK	132657	15RB#0	2.691	2.922	PASS
BAND66	3MHz	16QAM	131987	15RB#0	2.679	2.910	PASS
BAND66	3MHz	16QAM	132322	15RB#0	2.679	2.892	PASS
BAND66	3MHz	16QAM	132657	15RB#0	2.673	2.910	PASS
BAND66	5MHz	QPSK	131997	25RB#0	4.476	5.040	PASS
BAND66	5MHz	QPSK	132322	25RB#0	4.466	5.080	PASS
BAND66	5MHz	QPSK	132647	25RB#0	4.476	5.050	PASS
BAND66	5MHz	16QAM	131997	25RB#0	4.486	5.080	PASS
BAND66	5MHz	16QAM	132322	25RB#0	4.486	5.100	PASS
BAND66	5MHz	16QAM	132647	25RB#0	4.496	5.090	PASS
BAND66	10MHz	QPSK	132022	50RB#0	8.931	9.880	PASS
BAND66	10MHz	QPSK	132322	50RB#0	8.931	9.940	PASS
BAND66	10MHz	QPSK	132622	50RB#0	8.951	9.860	PASS
BAND66	10MHz	16QAM	132022	50RB#0	8.951	9.880	PASS
BAND66	10MHz	16QAM	132322	50RB#0	8.931	9.900	PASS
BAND66	10MHz	16QAM	132622	50RB#0	8.931	10.020	PASS
BAND66	15MHz	QPSK	132047	75RB#0	13.487	15.000	PASS
BAND66	15MHz	QPSK	132322	75RB#0	13.516	14.970	PASS
BAND66	15MHz	QPSK	132597	75RB#0	13.487	14.970	PASS
BAND66	15MHz	16QAM	132047	75RB#0	13.487	15.360	PASS
BAND66	15MHz	16QAM	132322	75RB#0	13.516	15.000	PASS
BAND66	15MHz	16QAM	132597	75RB#0	13.487	15.210	PASS
BAND66	20MHz	QPSK	132072	100RB#0	17.902	19.680	PASS
BAND66	20MHz	QPSK	132322	100RB#0	17.942	19.760	PASS
BAND66	20MHz	QPSK	132572	100RB#0	17.902	19.600	PASS



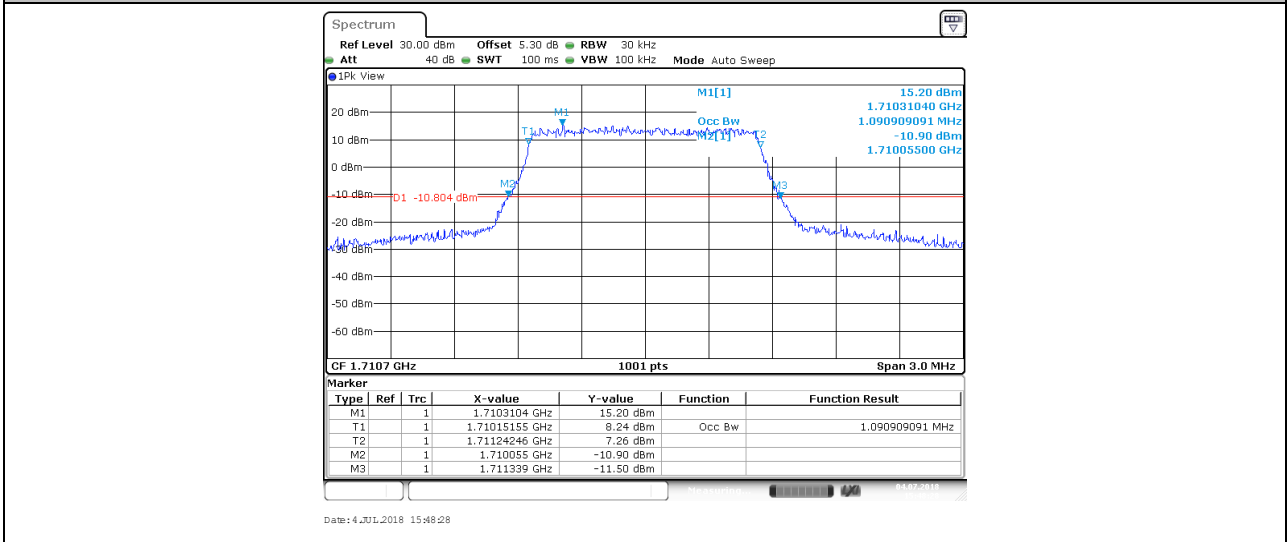
BAND66	20MHz	16QAM	132072	100RB#0	17.902	19.680	PASS
BAND66	20MHz	16QAM	132322	100RB#0	17.902	19.680	PASS
BAND66	20MHz	16QAM	132572	100RB#0	17.902	19.640	PASS

#### 4.2. Test Plots

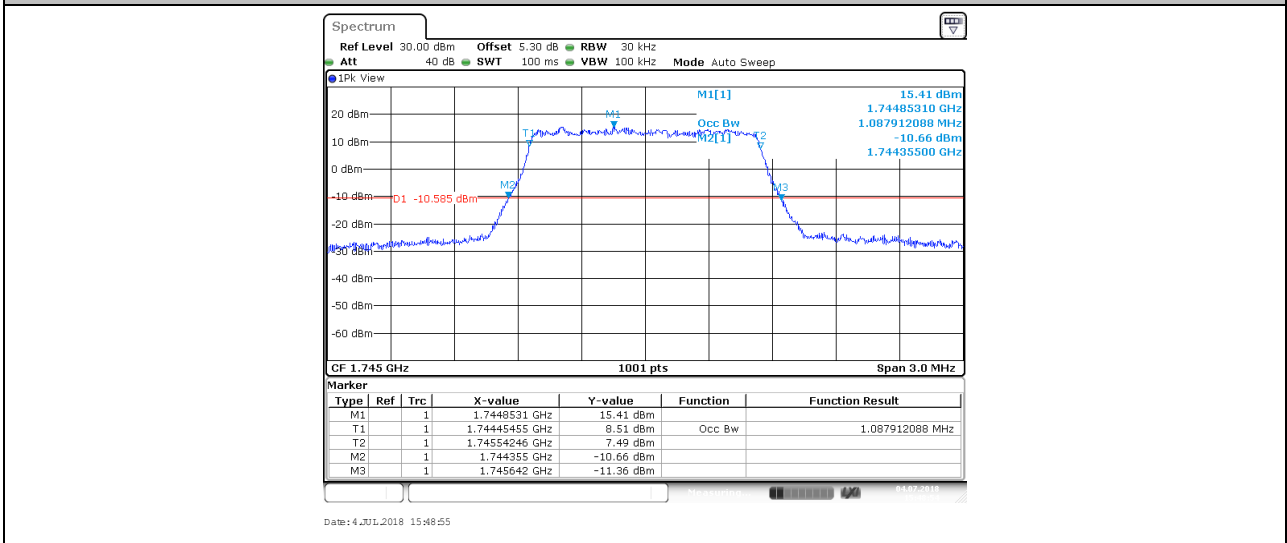




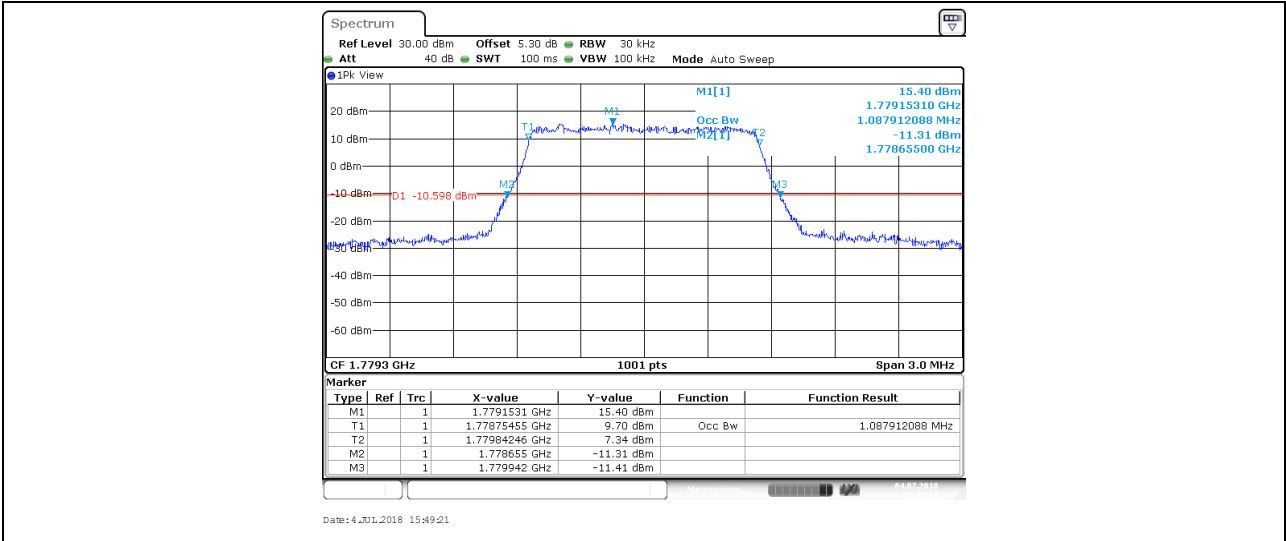
**BAND66\_1.4MHz\_16QAM\_131979\_6RB#0**



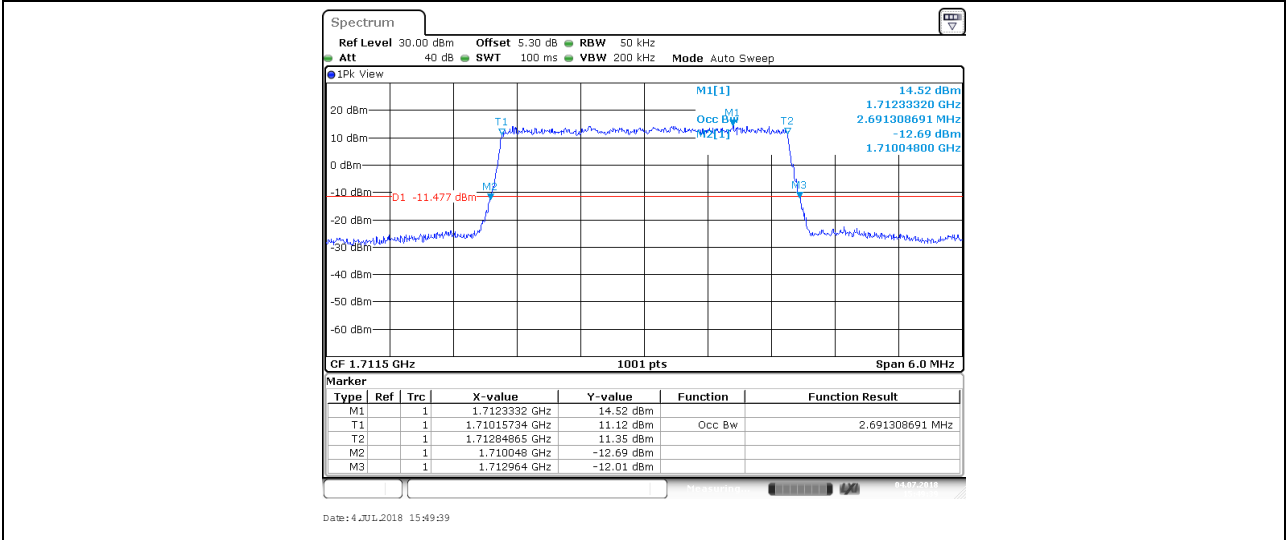
**BAND66\_1.4MHz\_16QAM\_132322\_6RB#0**



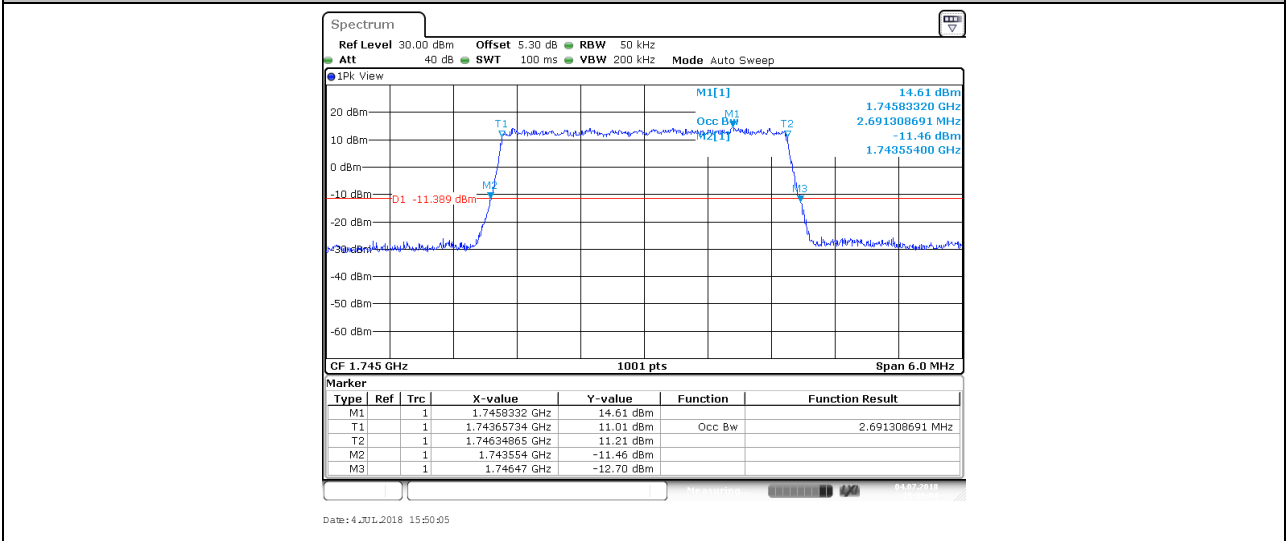
**BAND66\_1.4MHz\_16QAM\_132665\_6RB#0**



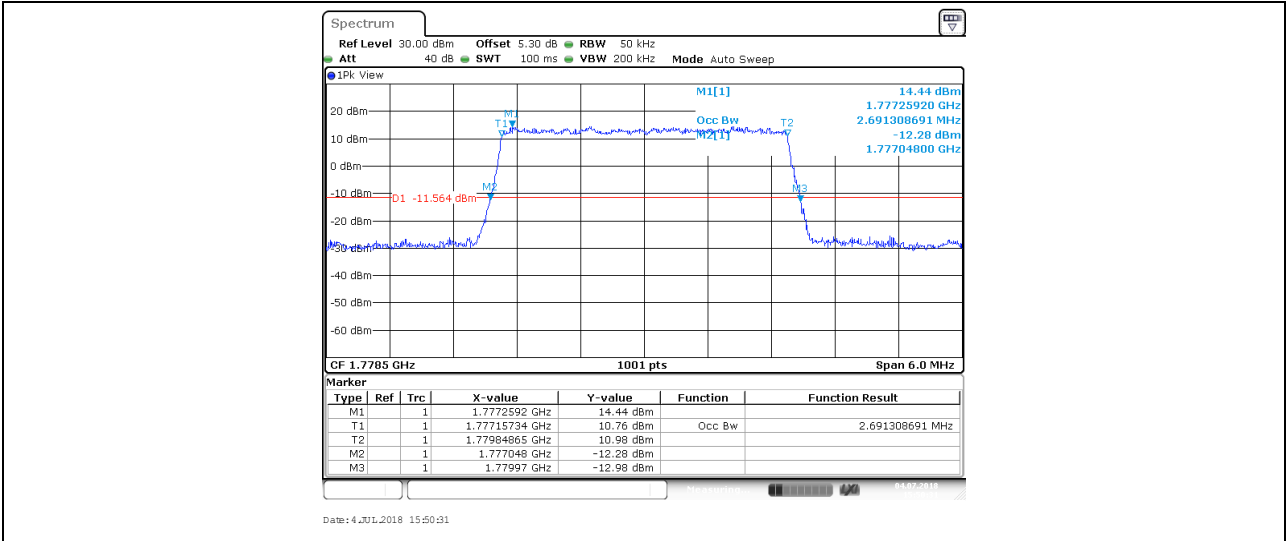
**BAND66\_3MHz\_QPSK\_131987\_15RB#0**



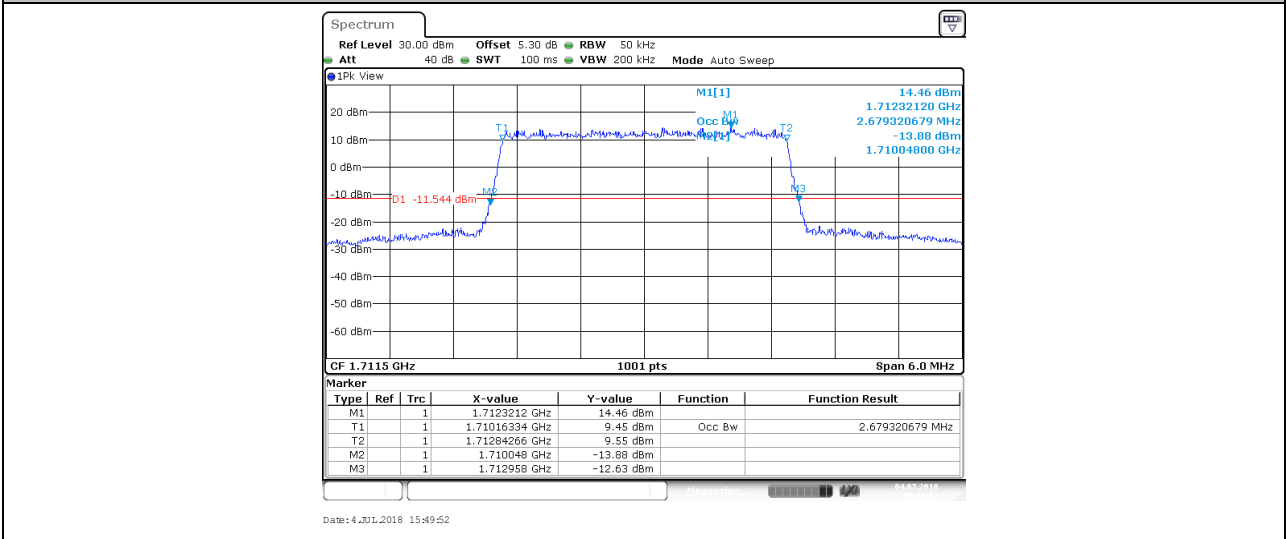
**BAND66\_3MHz\_QPSK\_132322\_15RB#0**



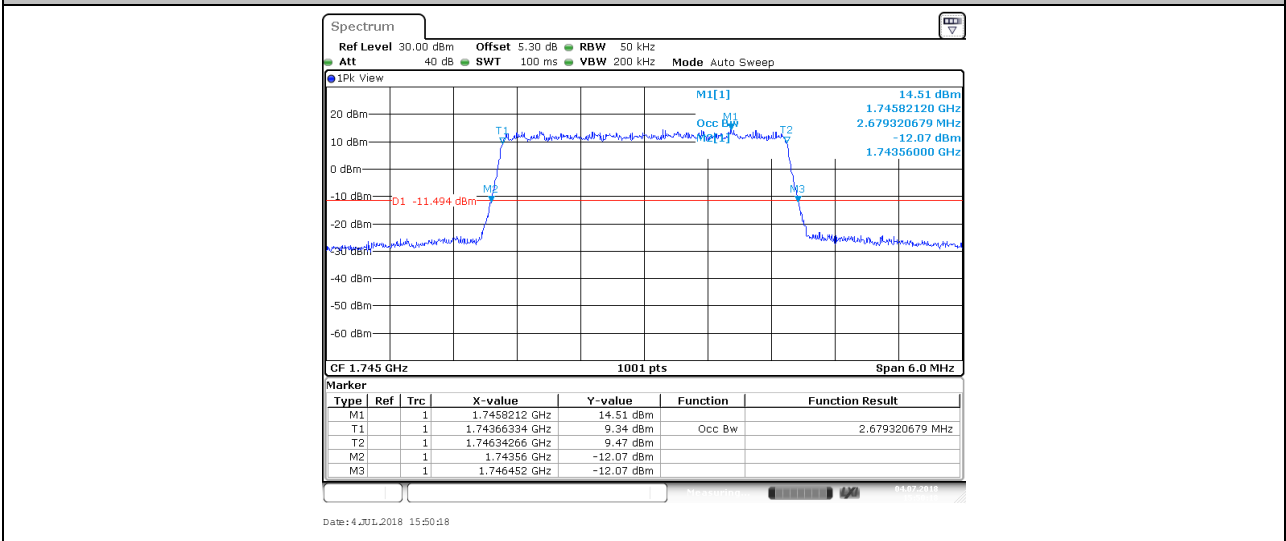
**BAND66\_3MHz\_QPSK\_132657\_15RB#0**



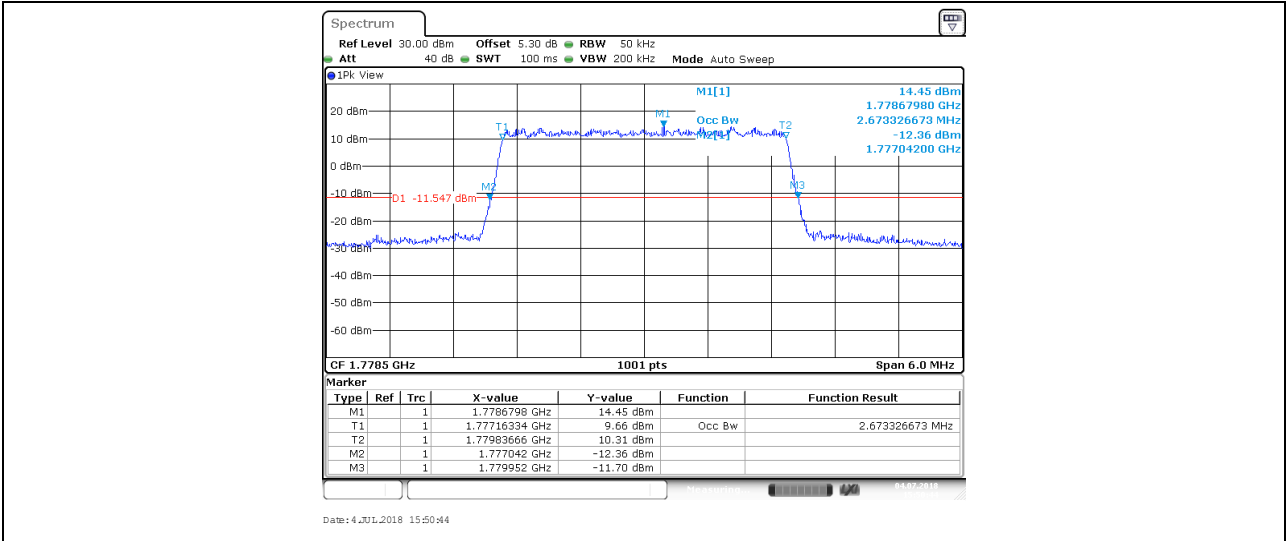
**BAND66\_3MHz\_16QAM\_131987\_15RB#0**



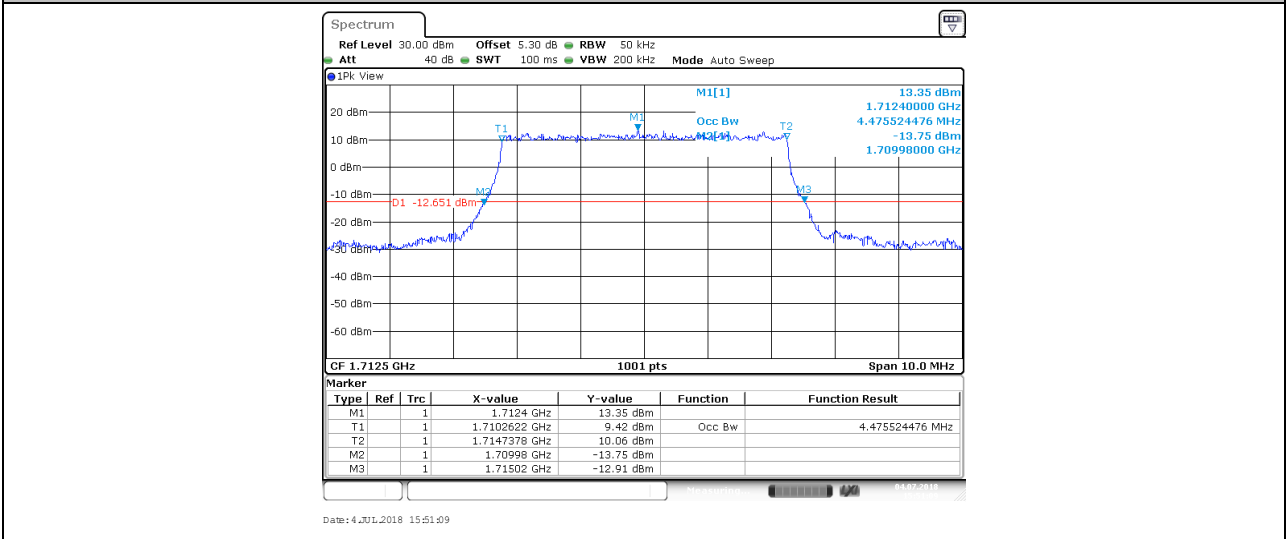
**BAND66\_3MHz\_16QAM\_132322\_15RB#0**



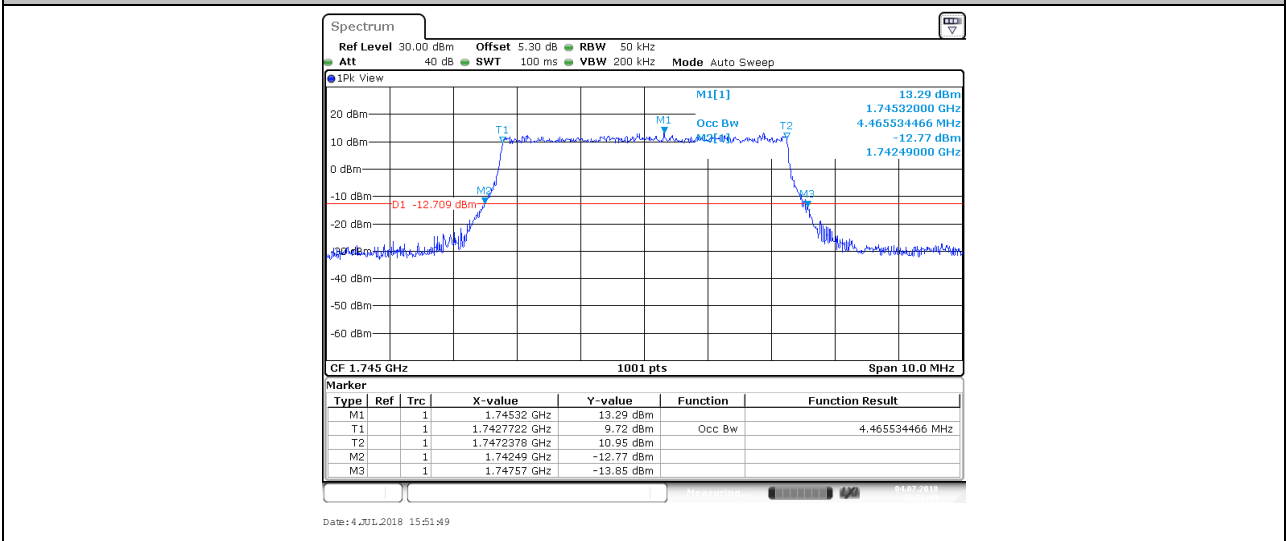
**BAND66\_3MHz\_16QAM\_132657\_15RB#0**



**BAND66\_5MHz\_QPSK\_131997\_25RB#0**

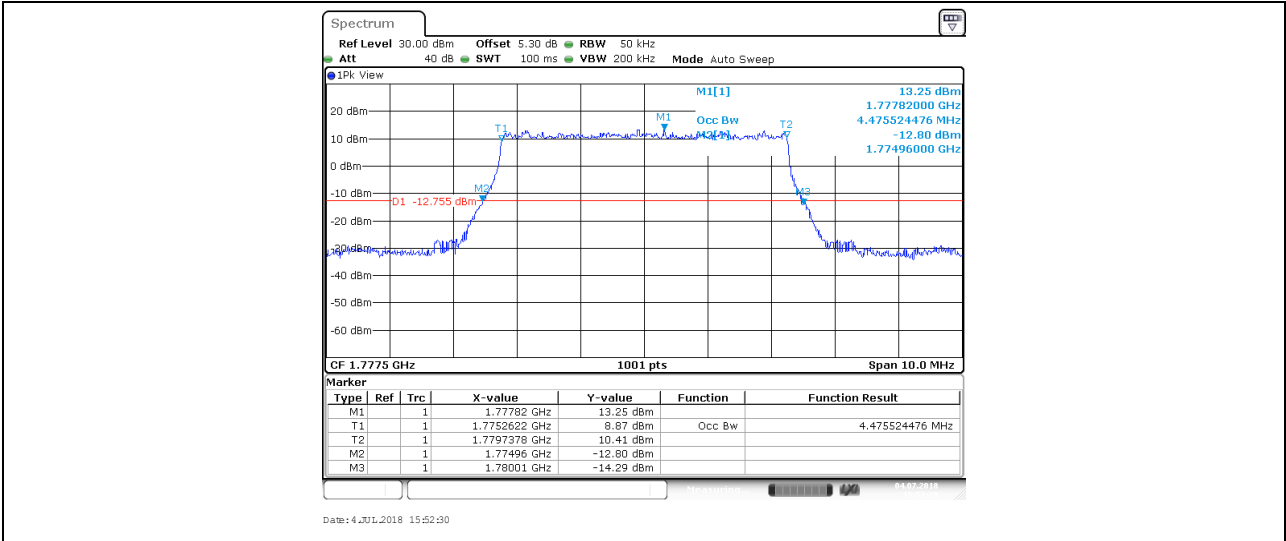


**BAND66\_5MHz\_QPSK\_132322\_25RB#0**

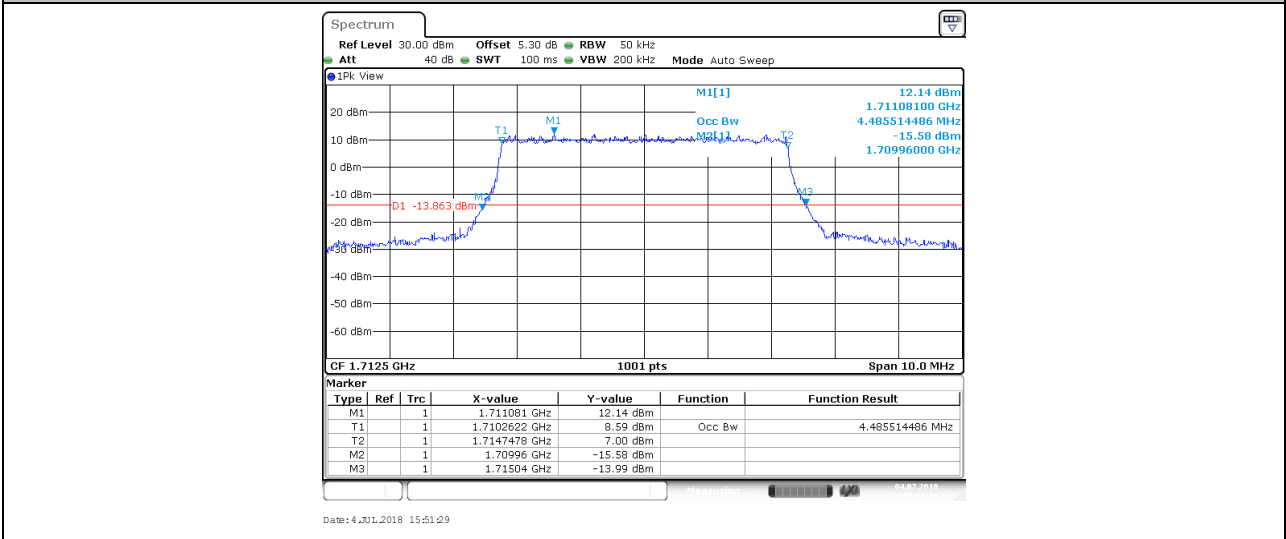


**BAND66\_5MHz\_QPSK\_132647\_25RB#0**

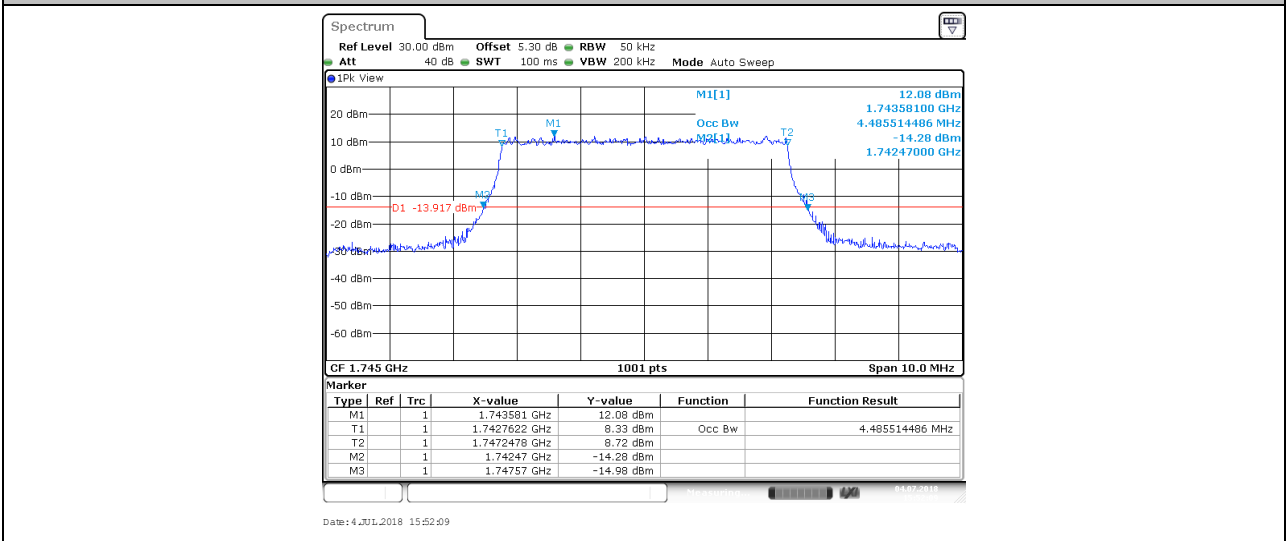




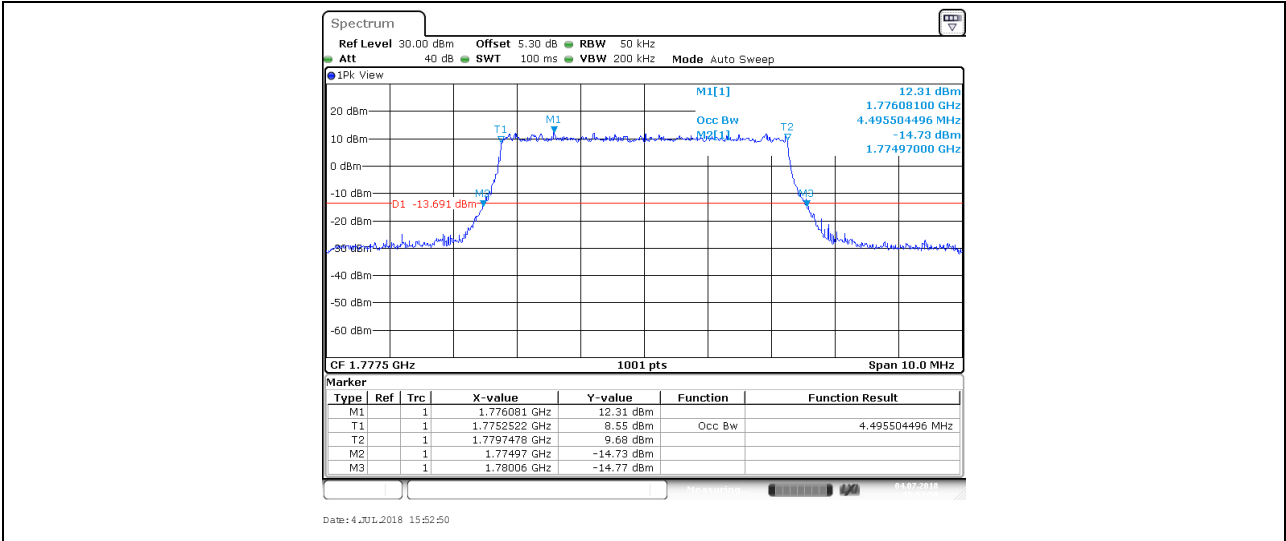
**BAND66\_5MHz\_16QAM\_131997\_25RB#0**



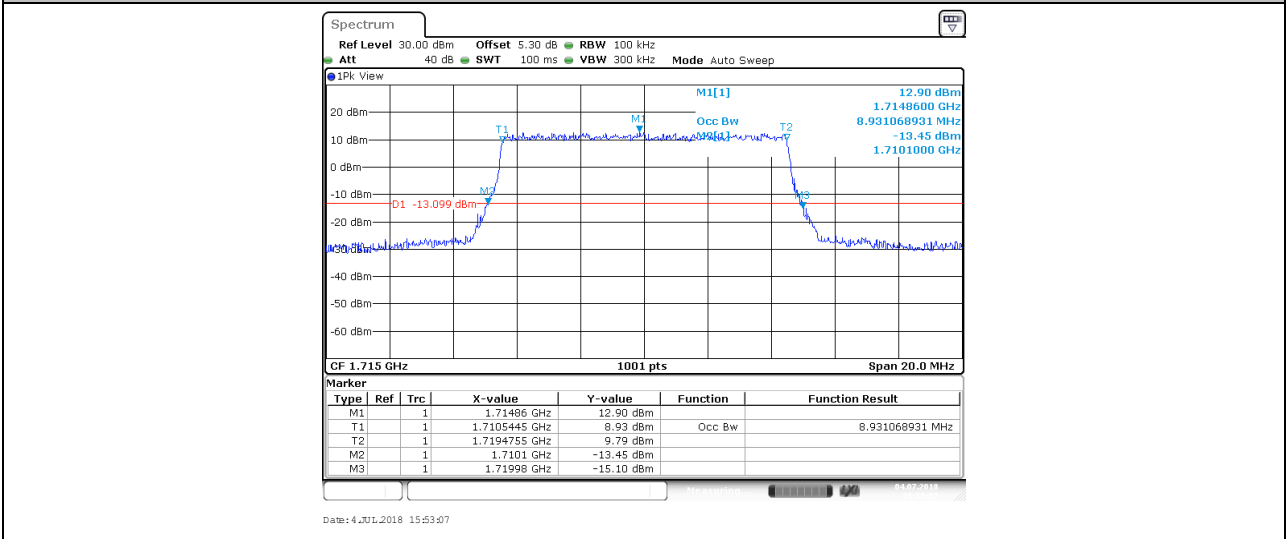
**BAND66\_5MHz\_16QAM\_132322\_25RB#0**



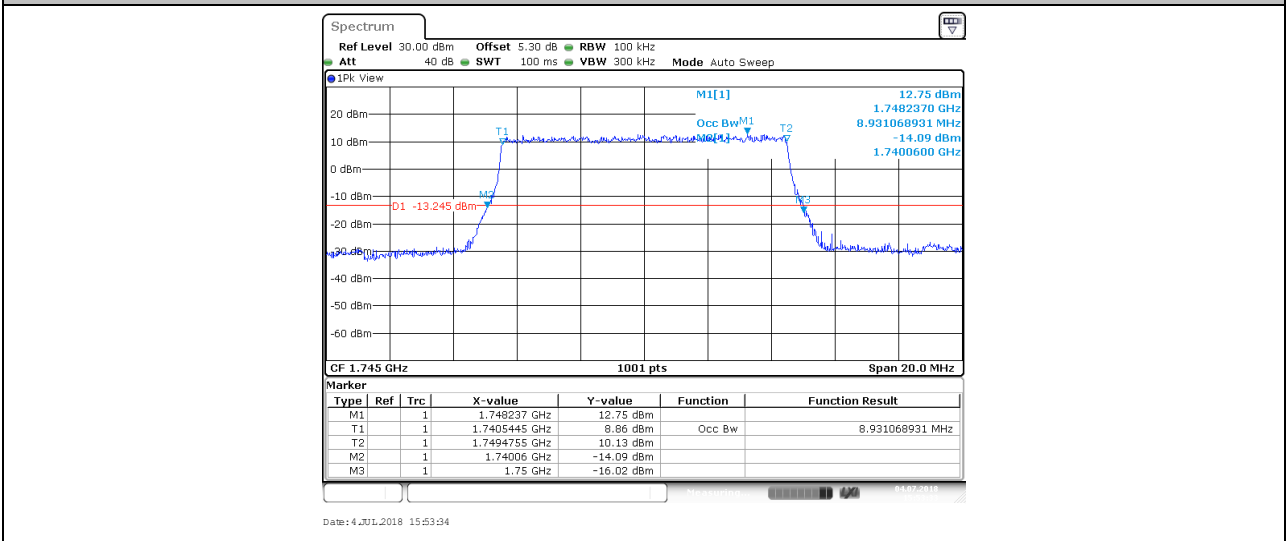
**BAND66\_5MHz\_16QAM\_132647\_25RB#0**



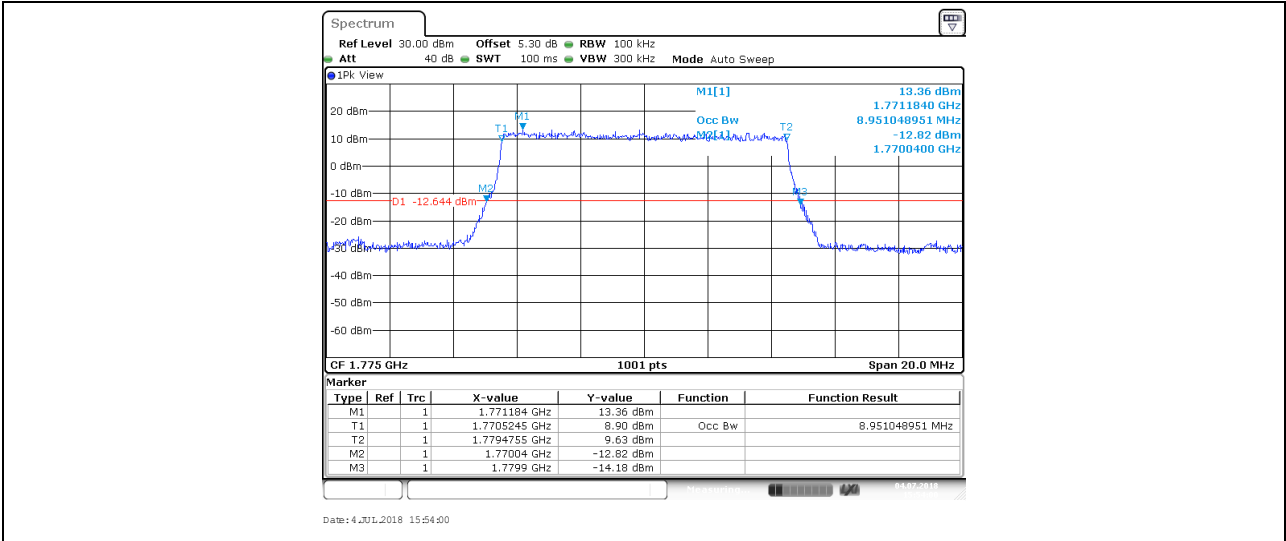
**BAND66\_10MHz\_QPSK\_132022\_50RB#0**



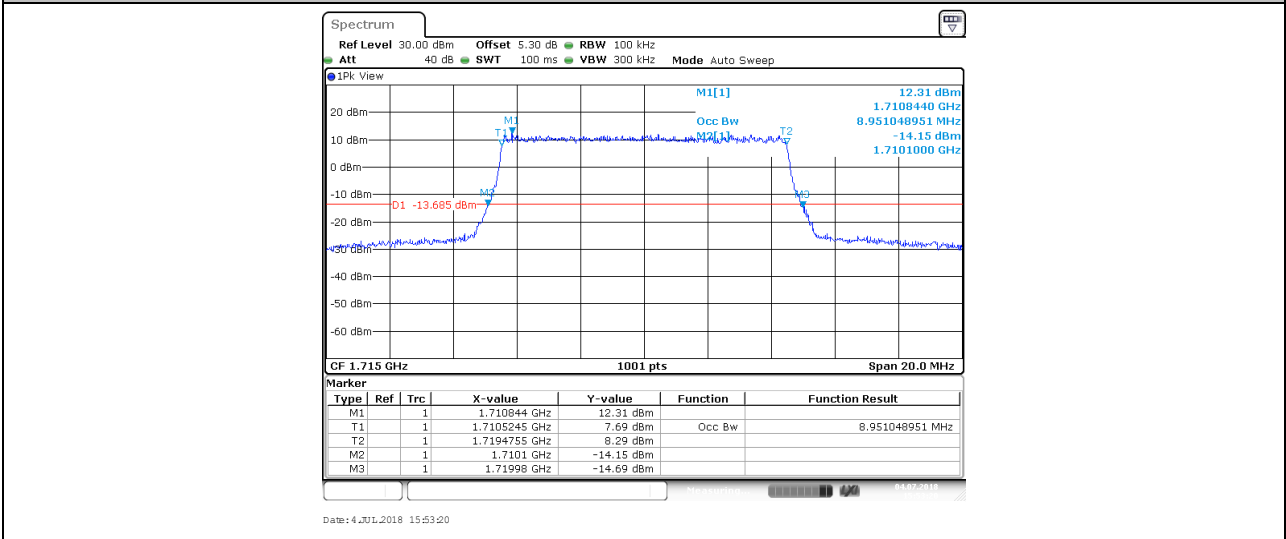
**BAND66\_10MHz\_QPSK\_132322\_50RB#0**



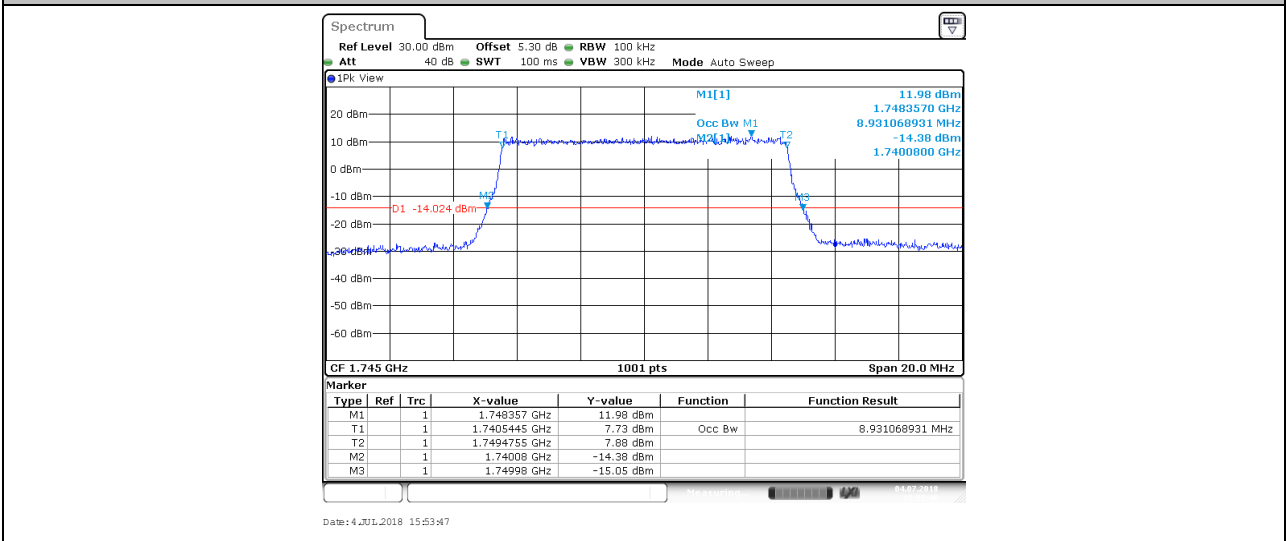
**BAND66\_10MHz\_QPSK\_132622\_50RB#0**



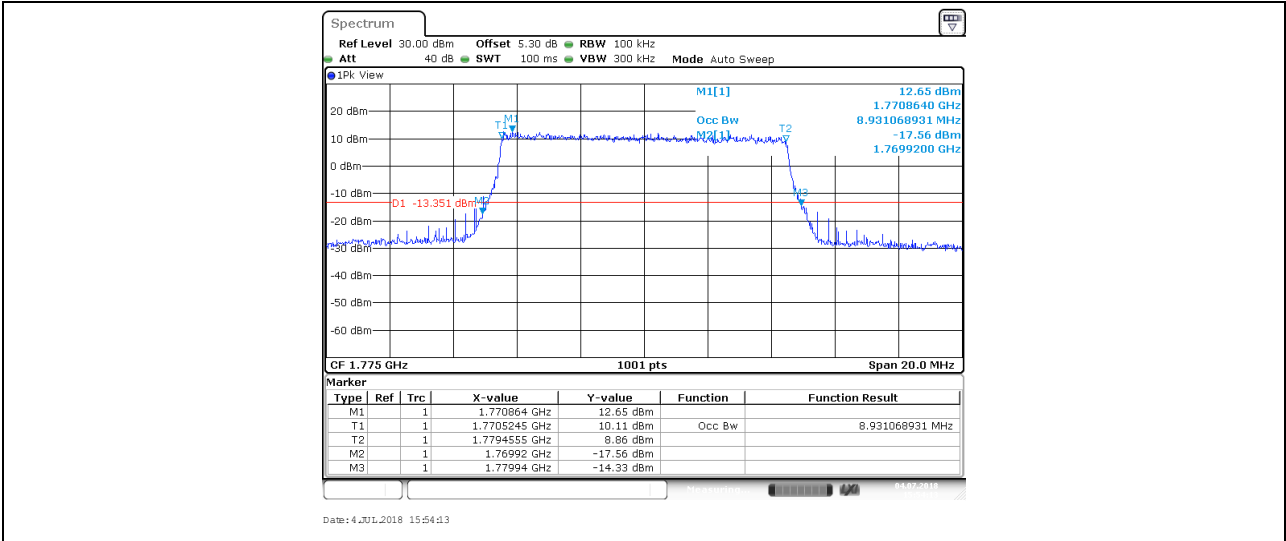
**BAND66\_10MHz\_16QAM\_132022\_50RB#0**



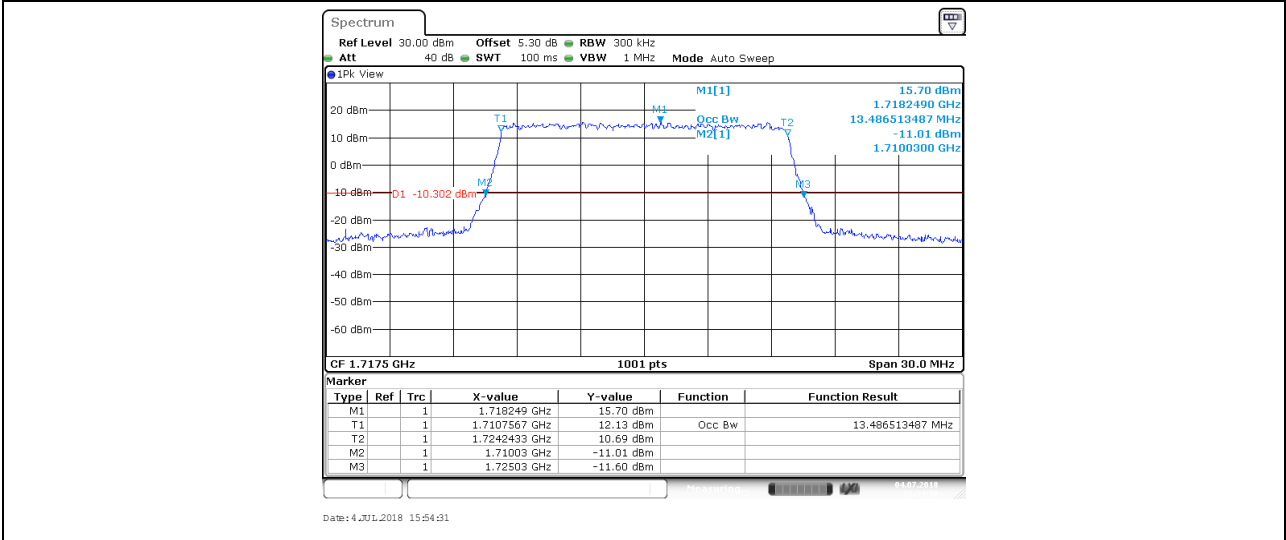
**BAND66\_10MHz\_16QAM\_132322\_50RB#0**



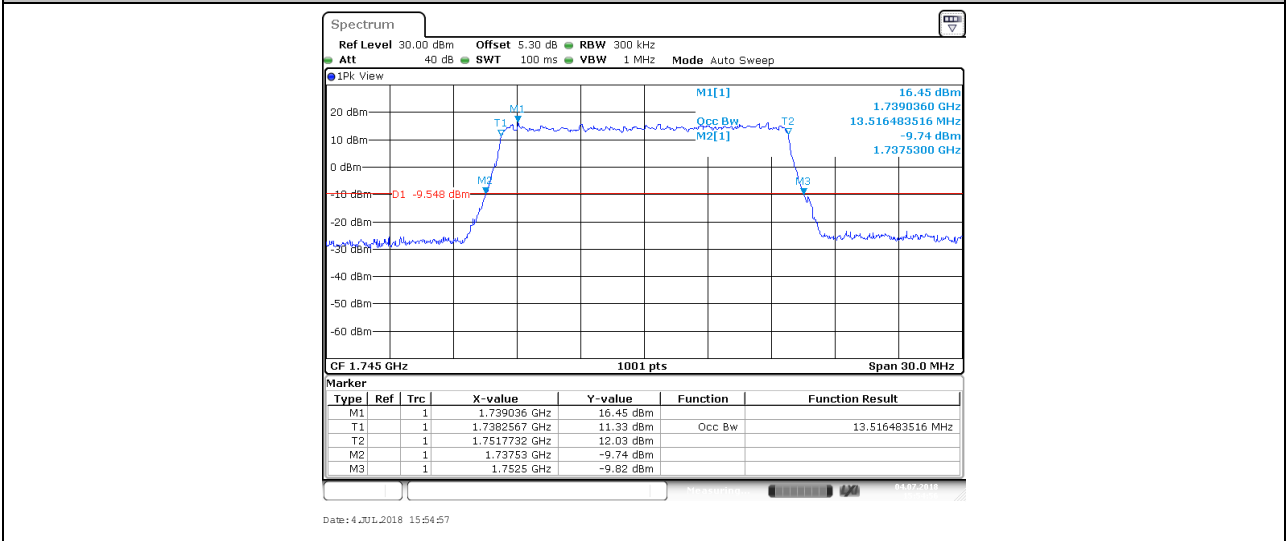
**BAND66\_10MHz\_16QAM\_132622\_50RB#0**



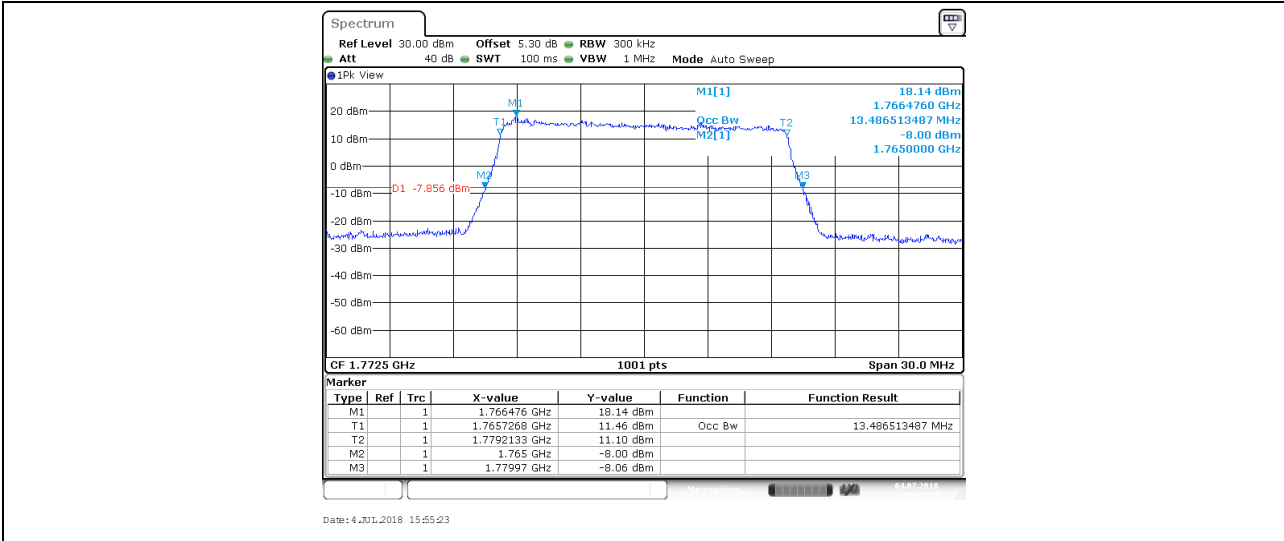
**BAND66\_15MHz\_QPSK\_132047\_75RB#0**



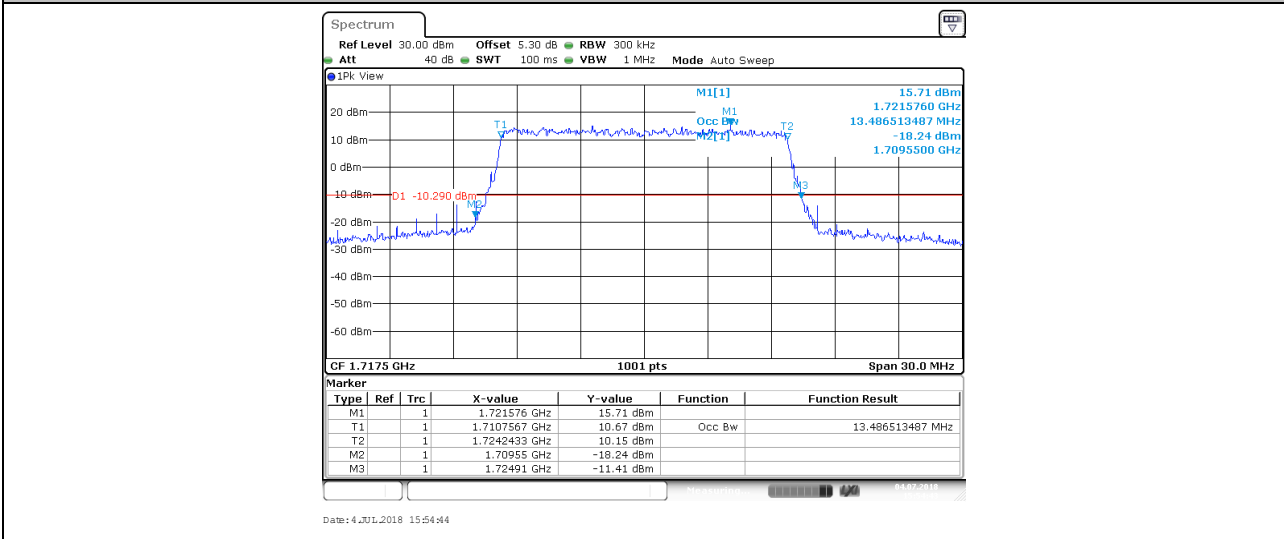
**BAND66\_15MHz\_QPSK\_132322\_75RB#0**



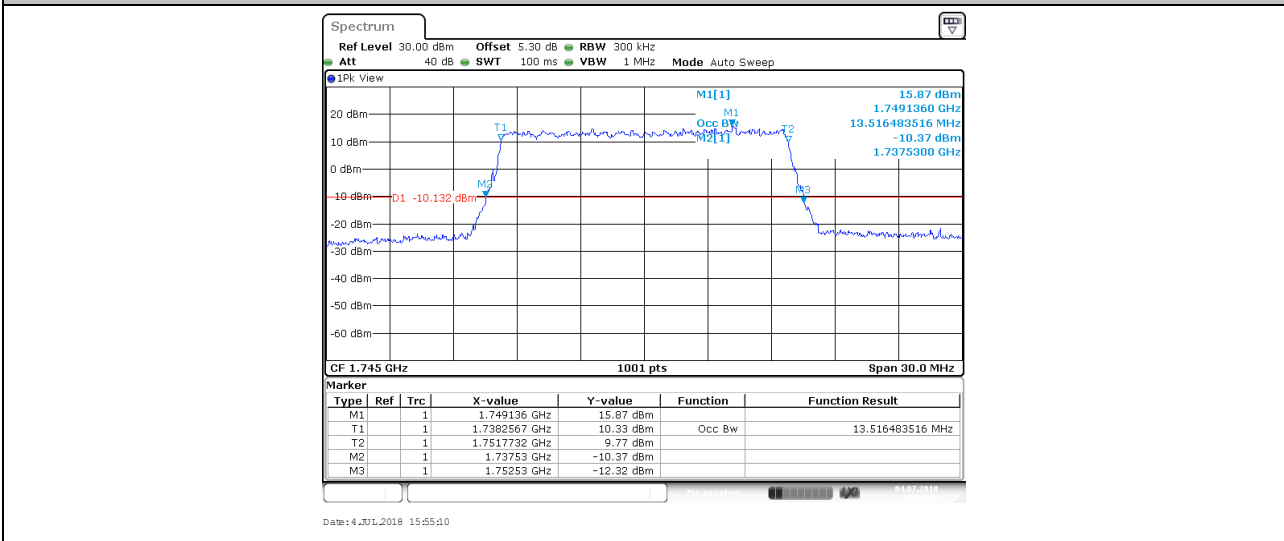
**BAND66\_15MHz\_QPSK\_132597\_75RB#0**



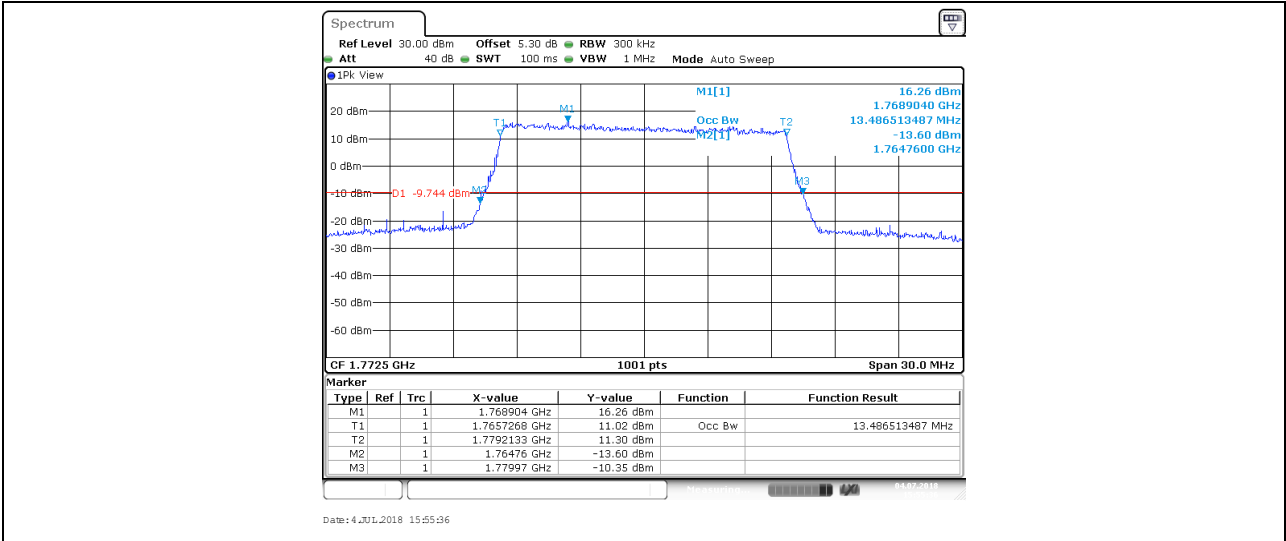
**BAND66\_15MHz\_16QAM\_132047\_75RB#0**



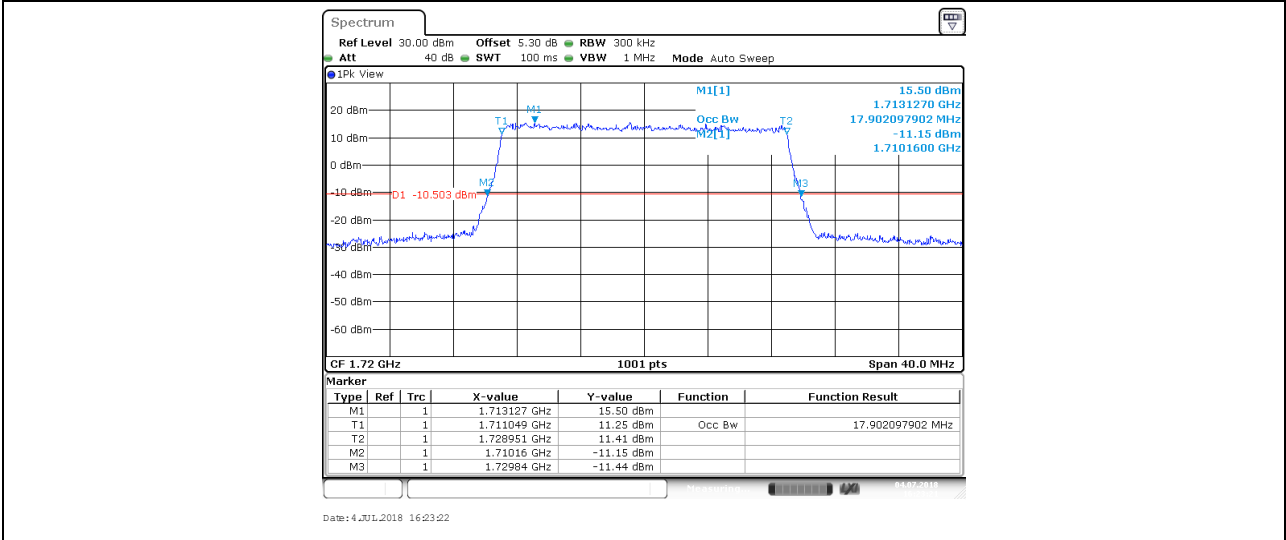
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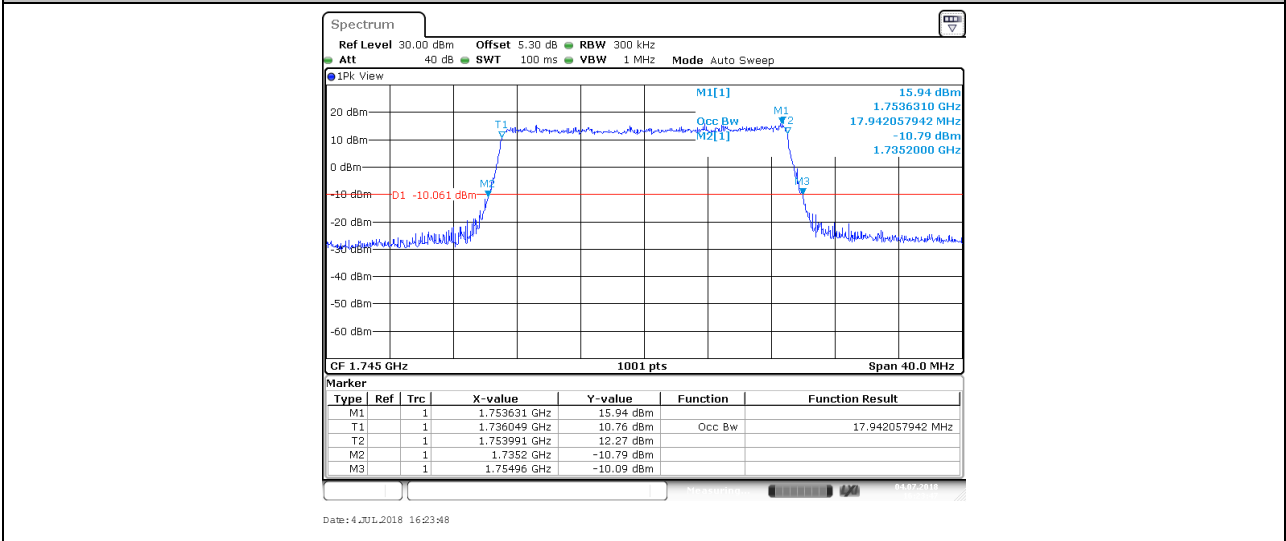
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**BAND66\_20MHz\_QPSK\_132072\_100RB#0**

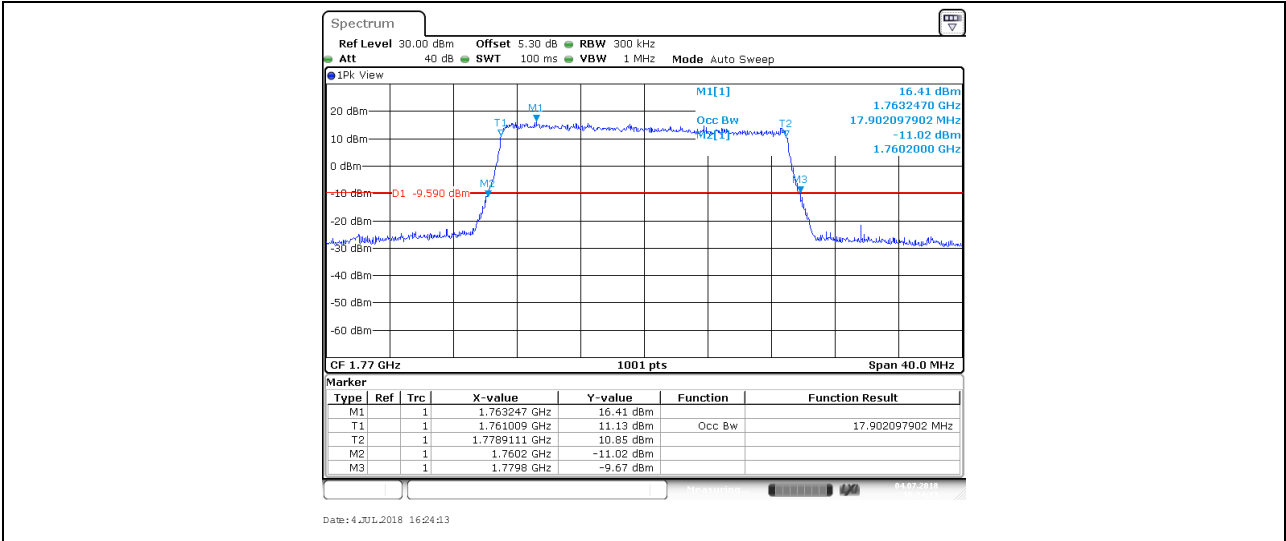


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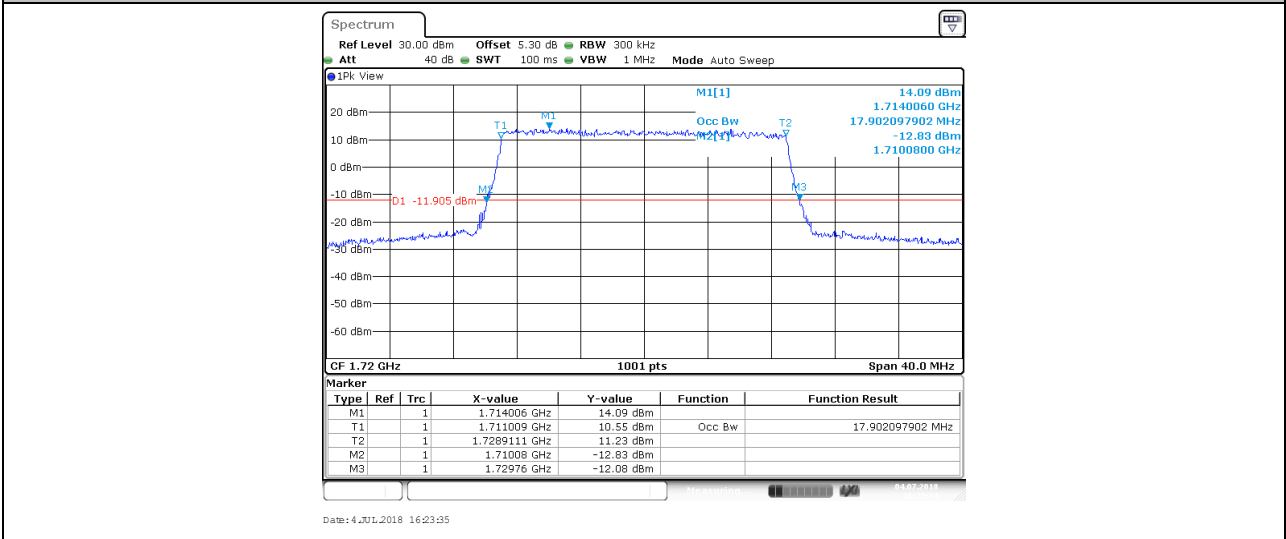


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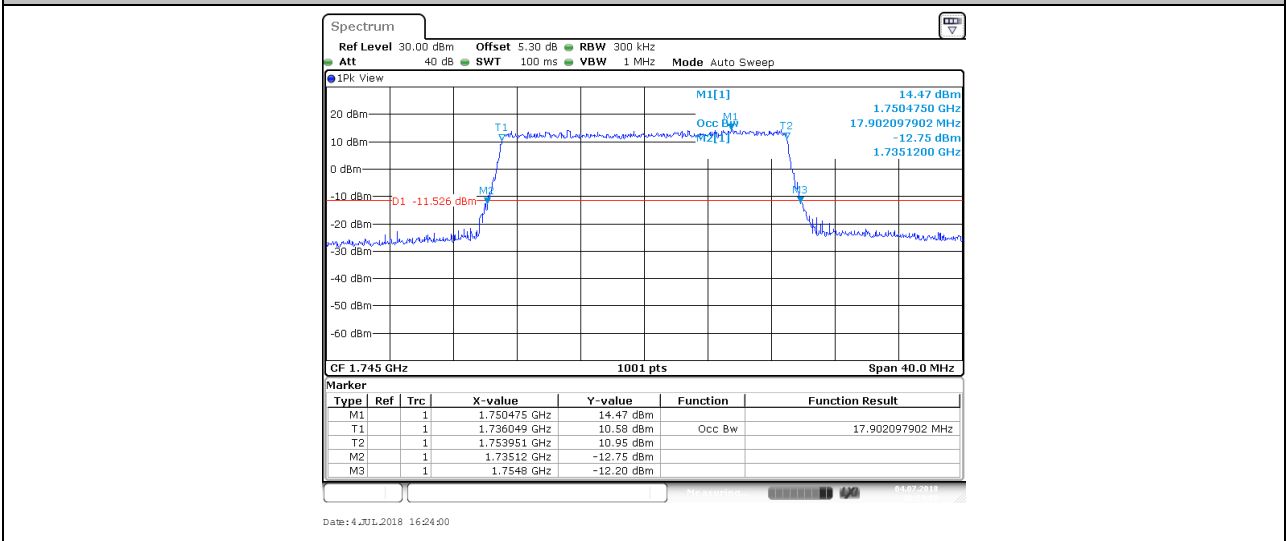




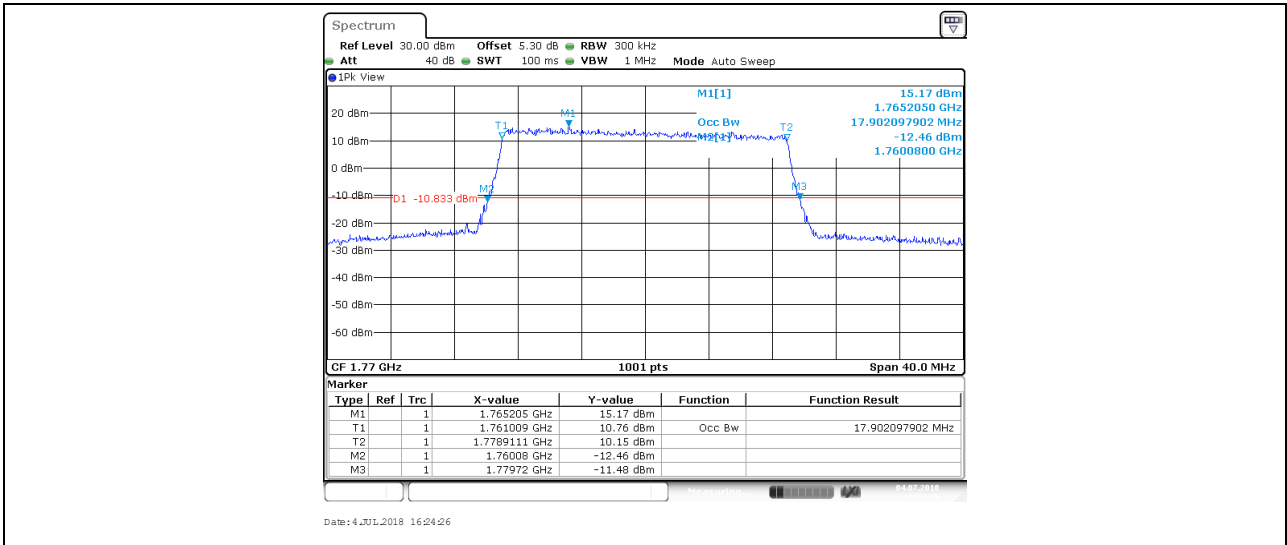
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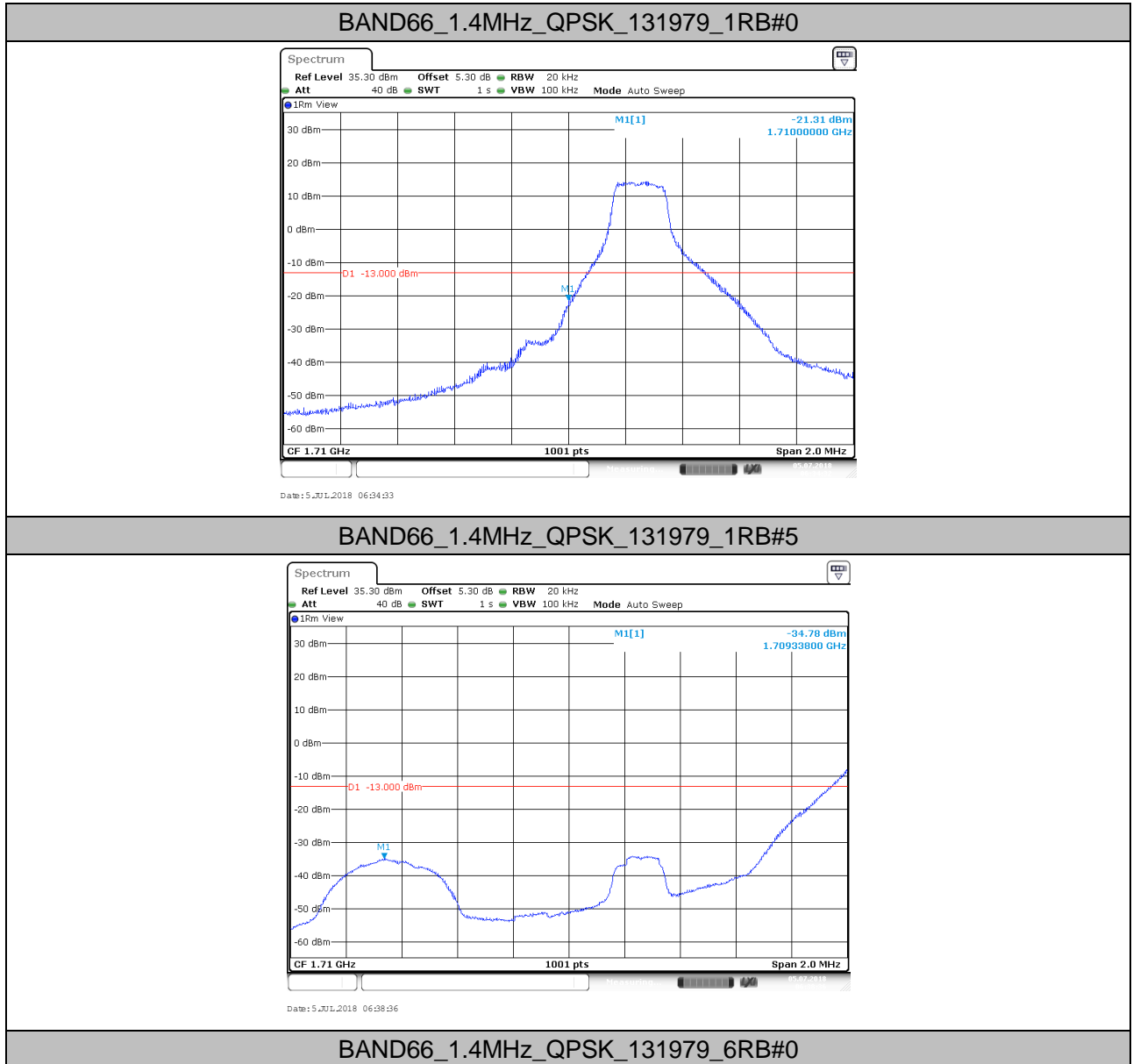


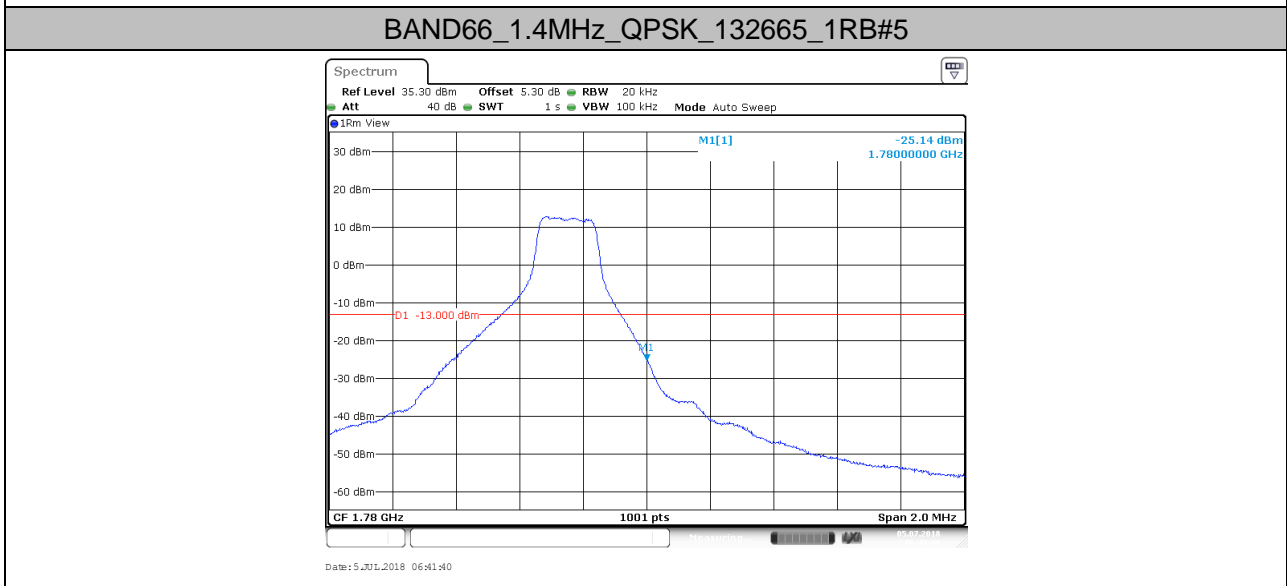
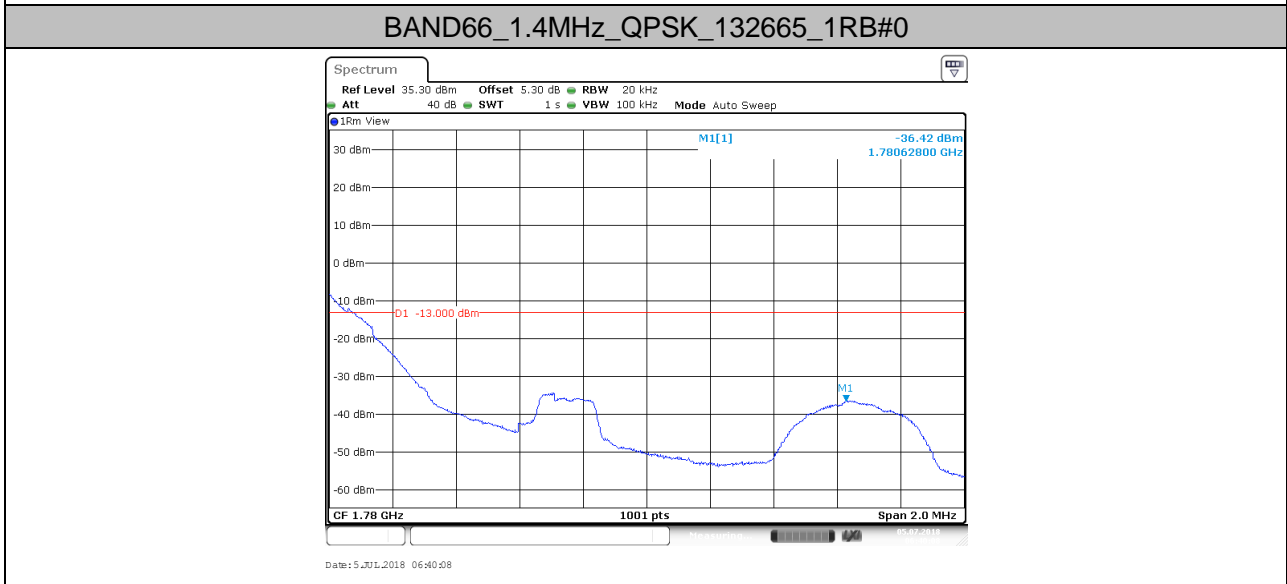
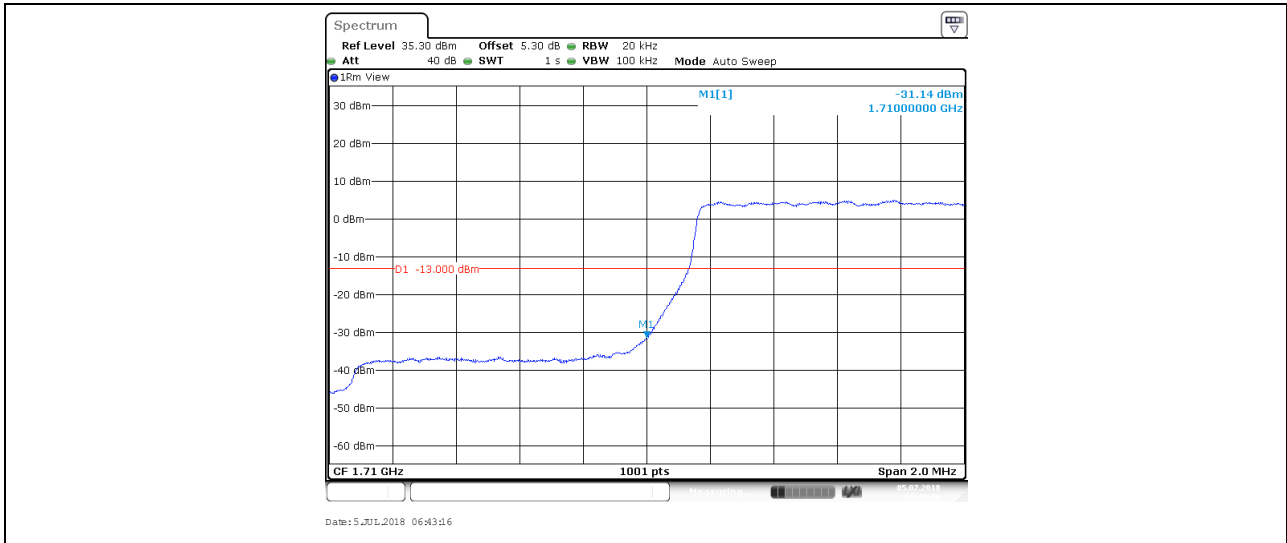
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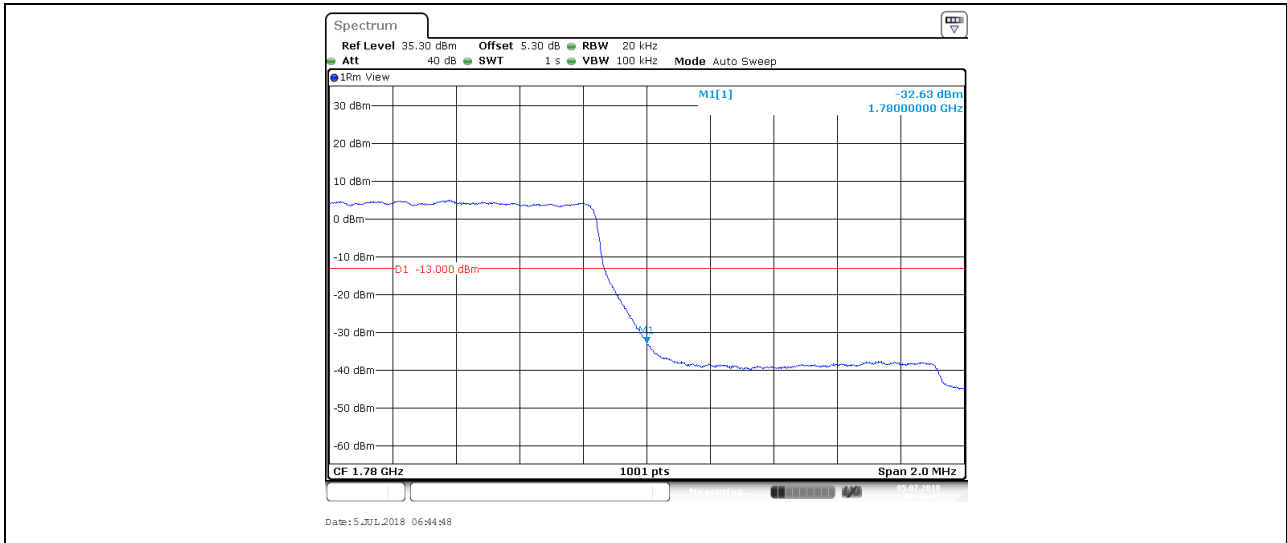


## 5. Band Edge Compliance

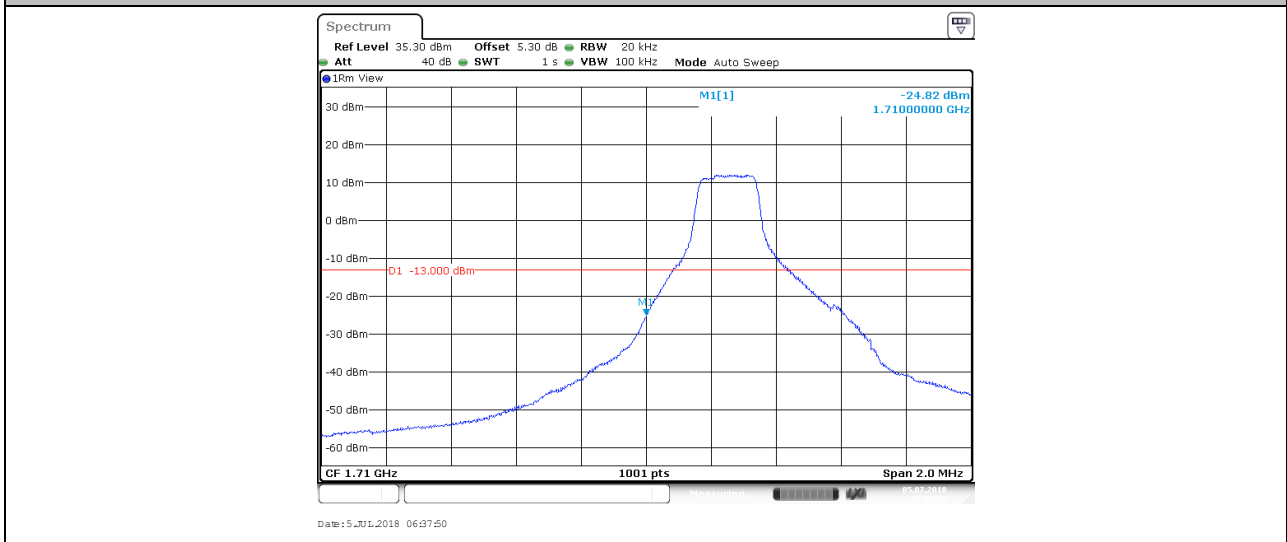
### 5.1. Test Plots



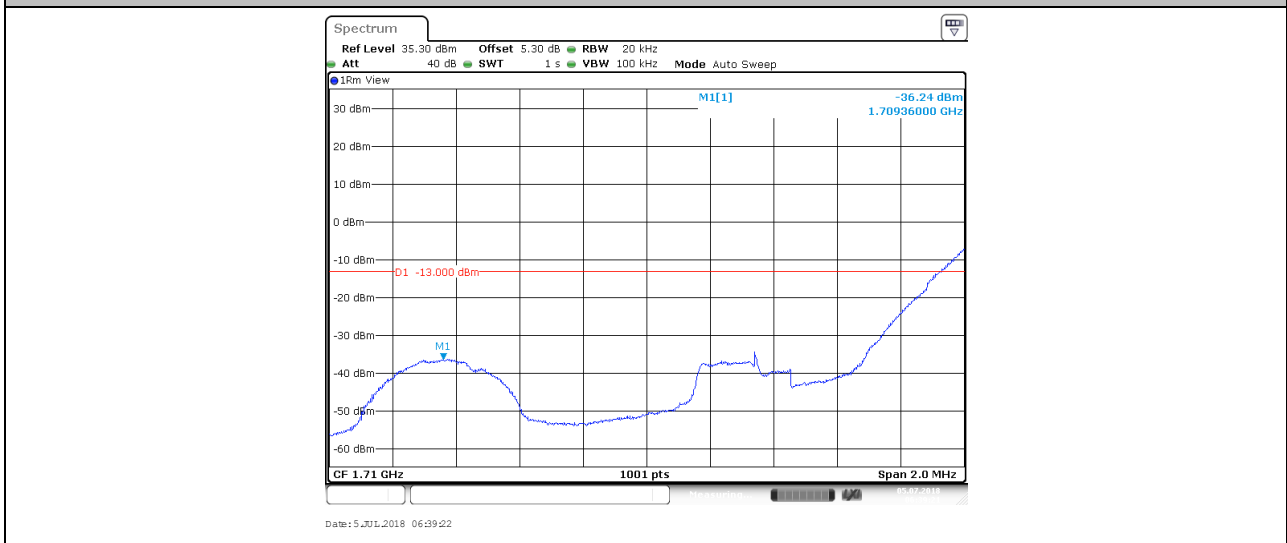




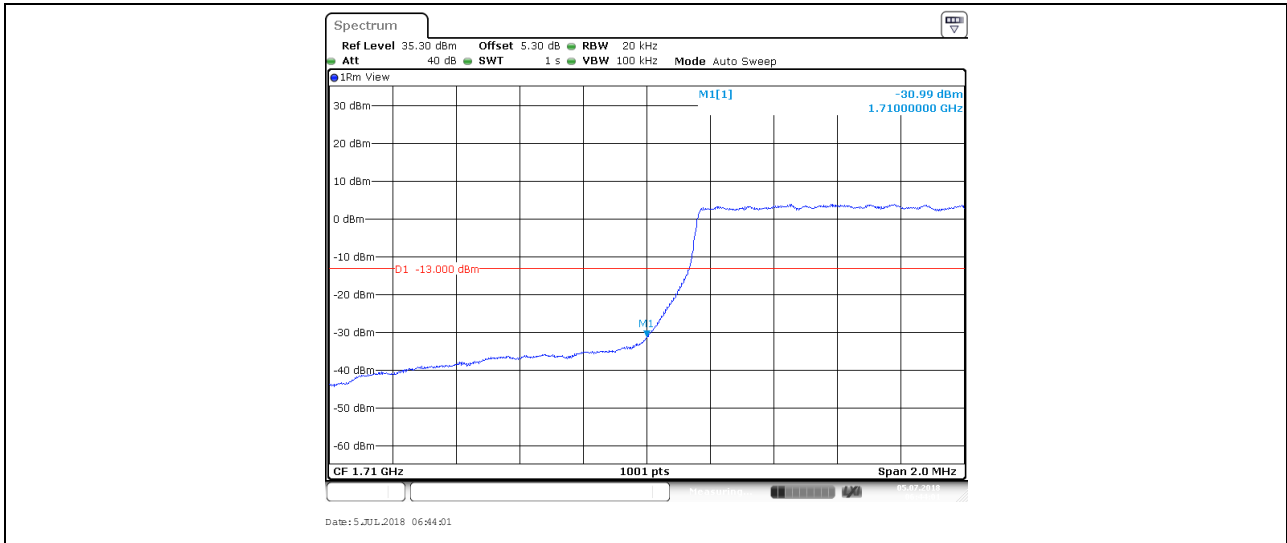
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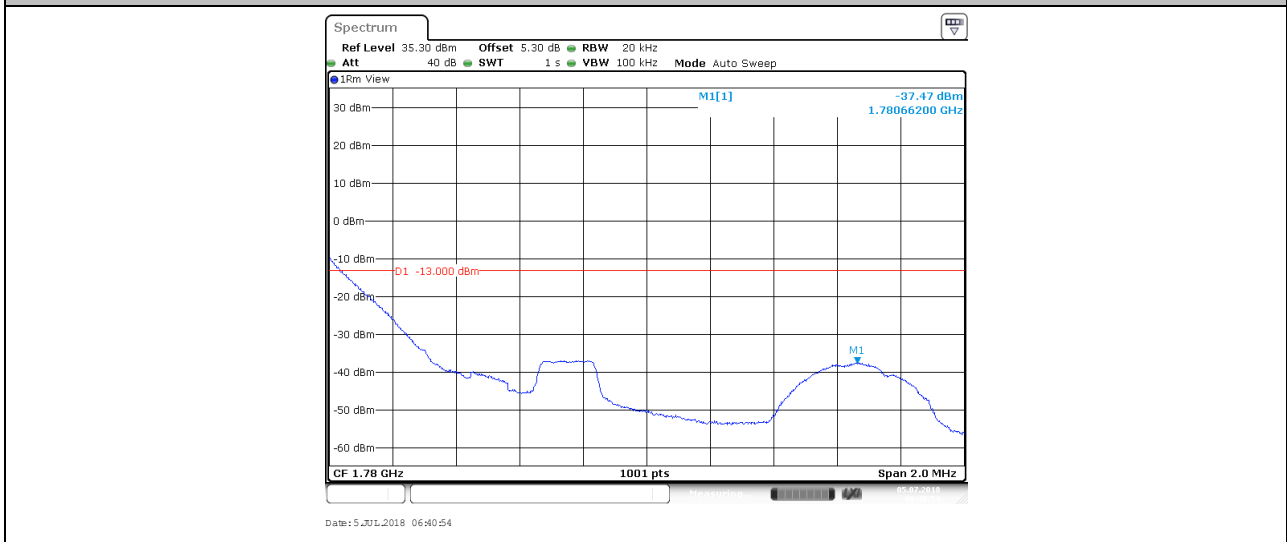
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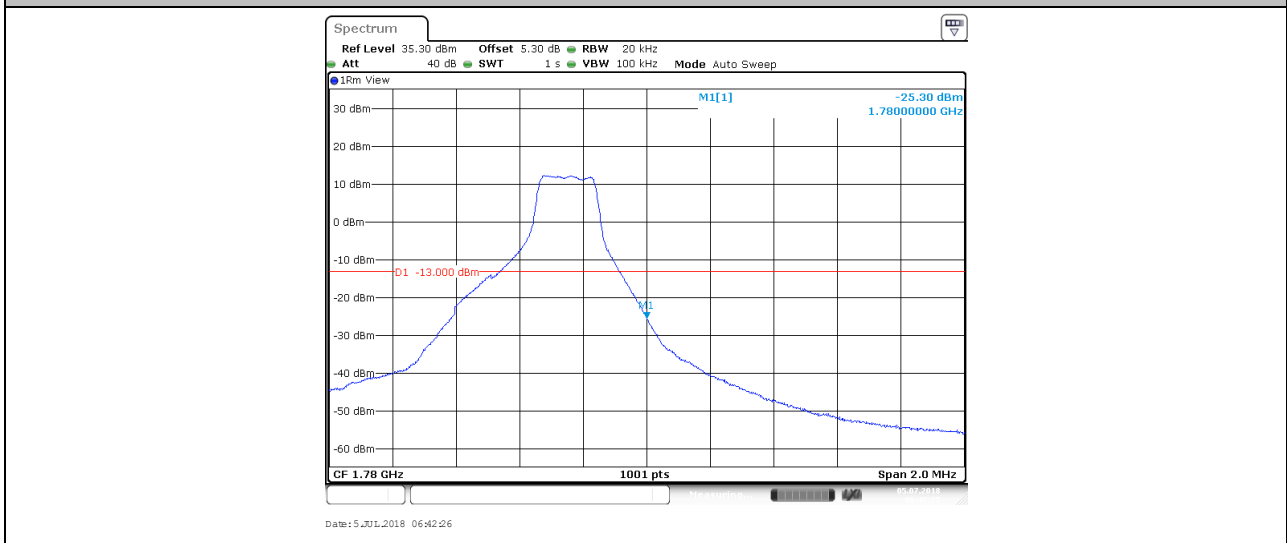
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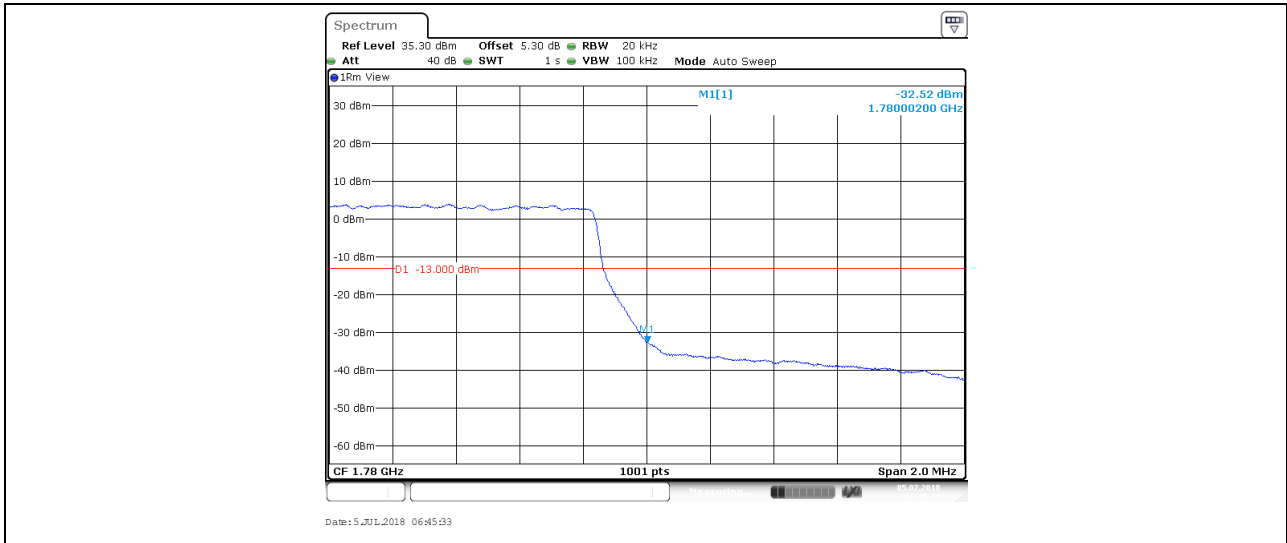
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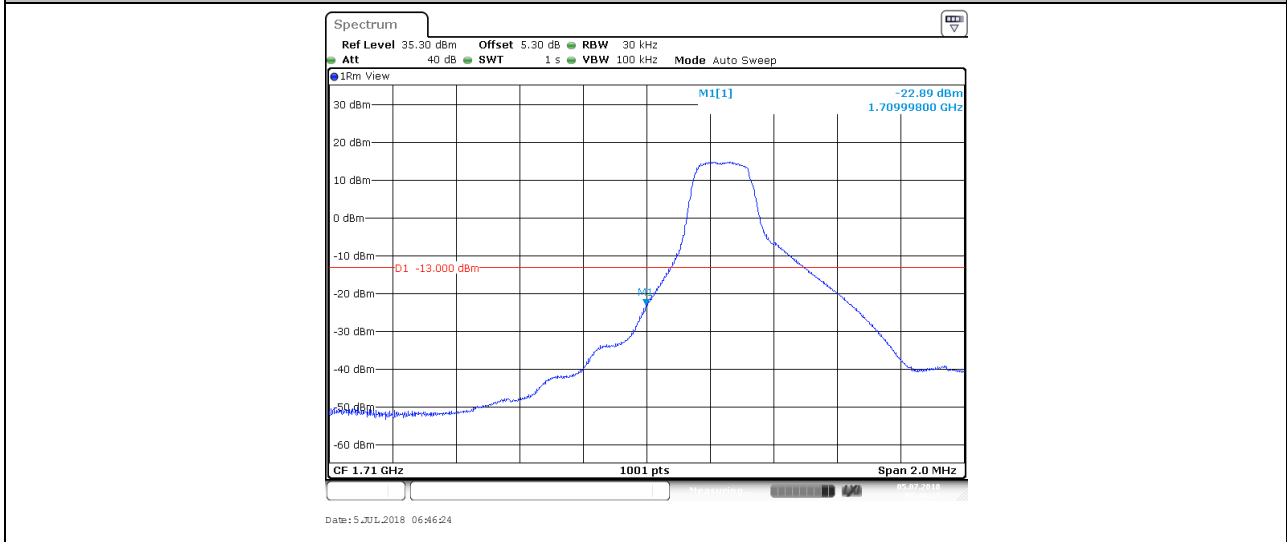
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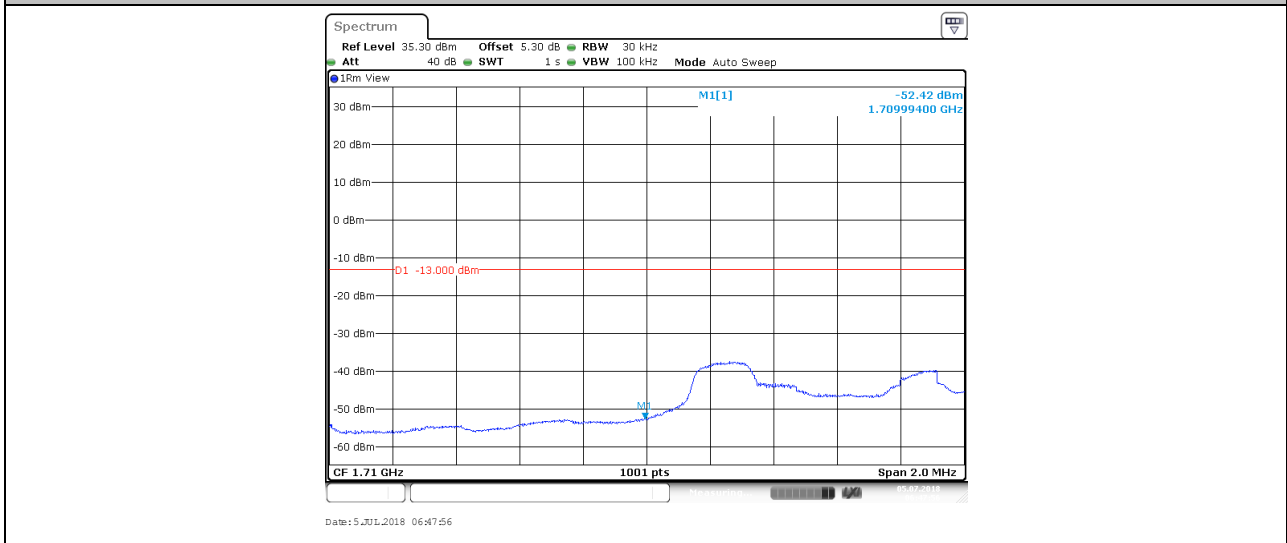
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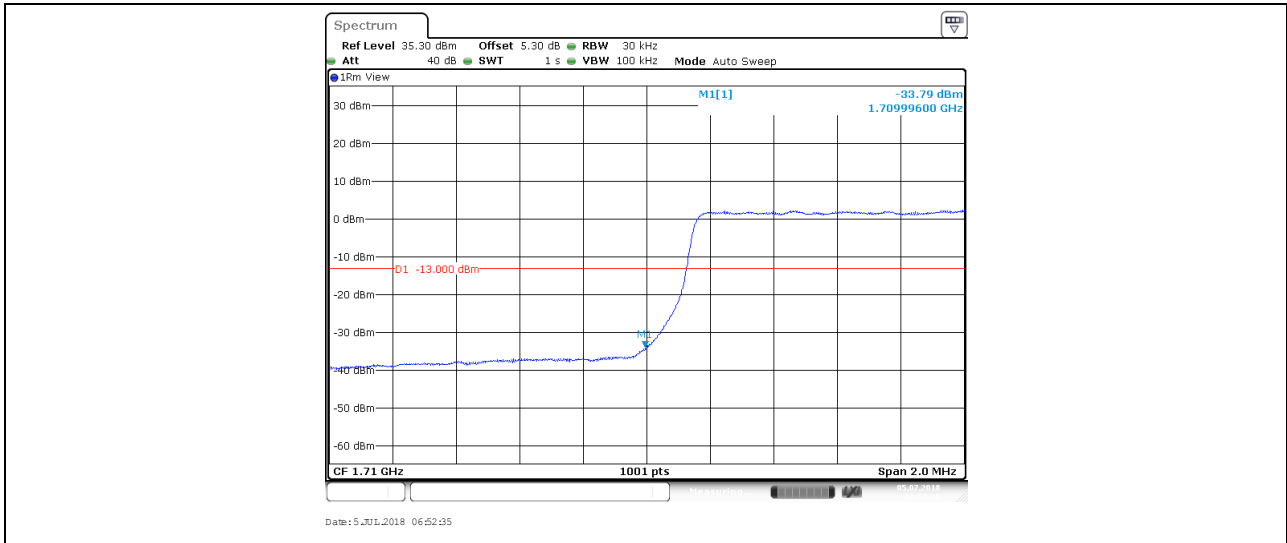
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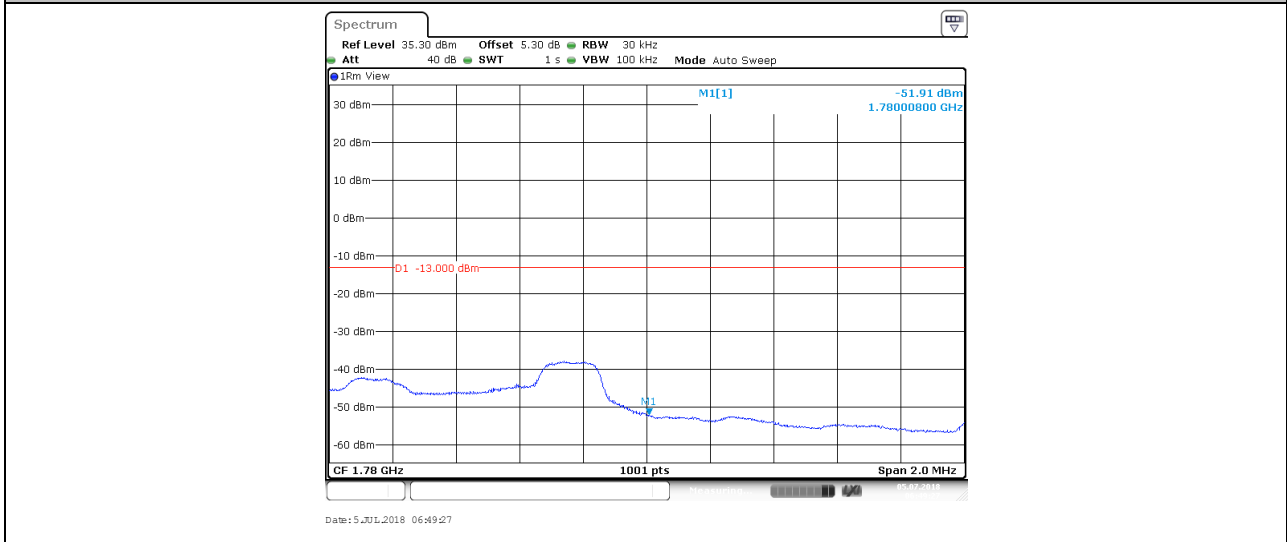
BAND66\_3MHz\_QPSK\_131987\_1RB#14



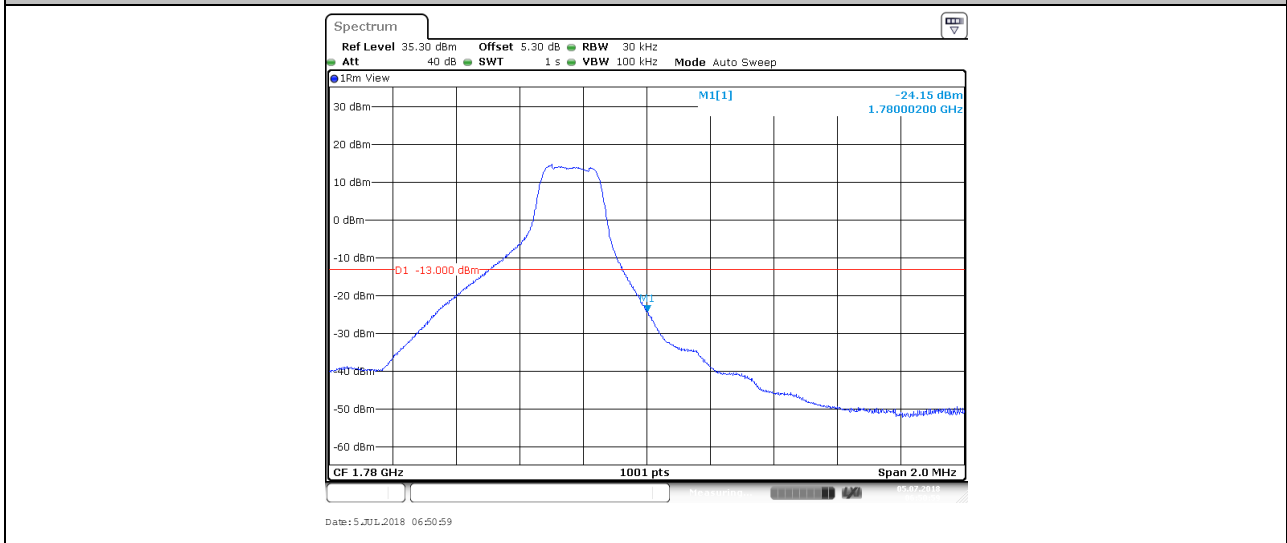
BAND66\_3MHz\_QPSK\_131987\_15RB#0



BAND66\_3MHz\_QPSK\_132657\_1RB#0

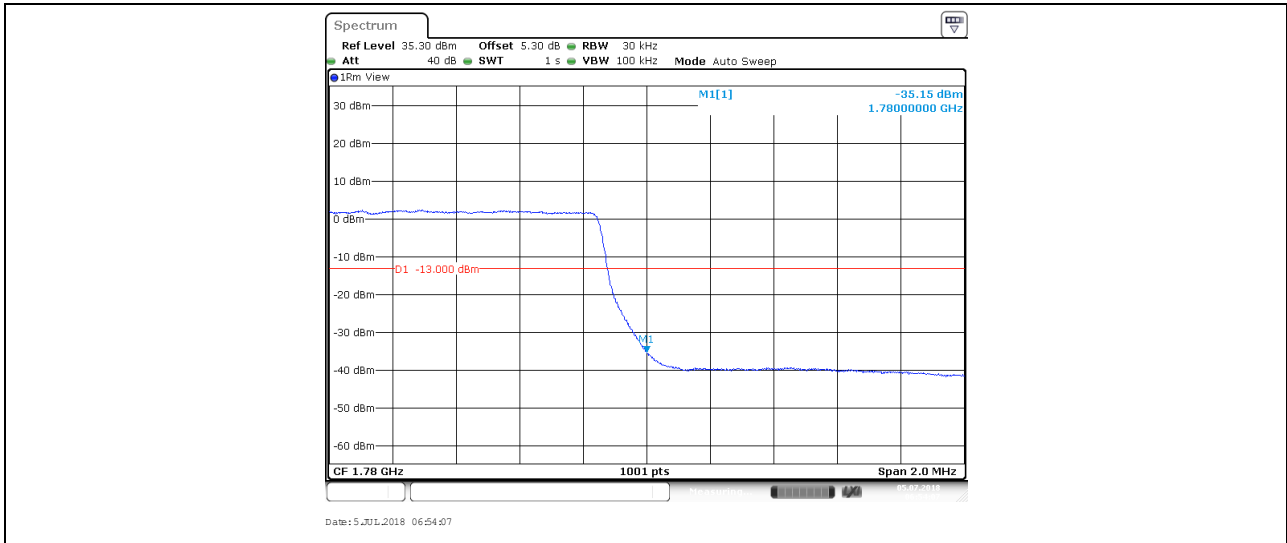


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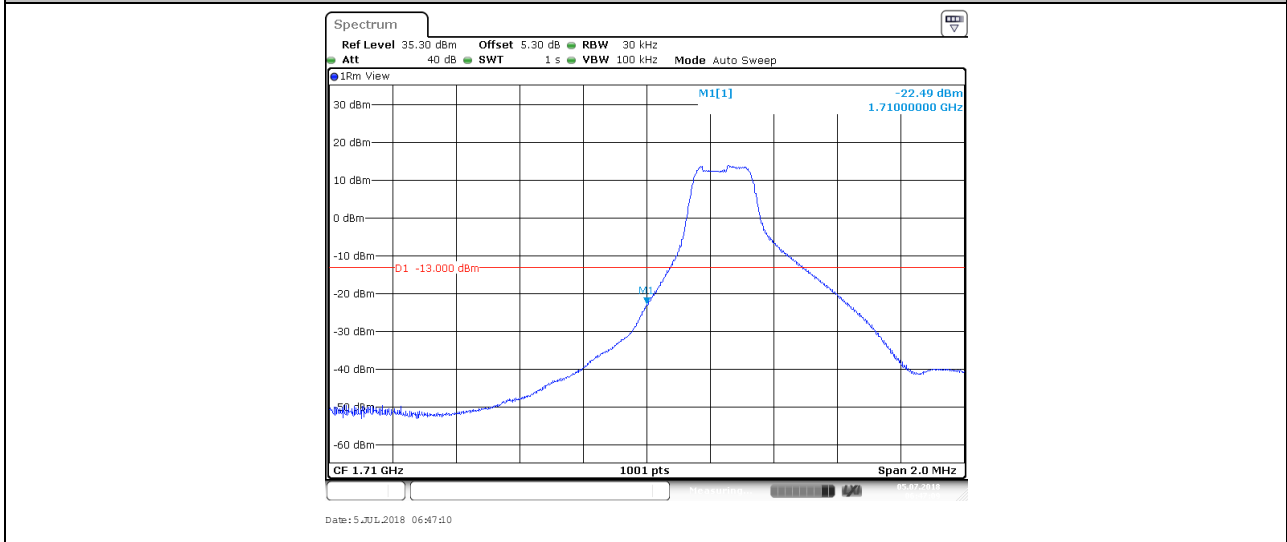


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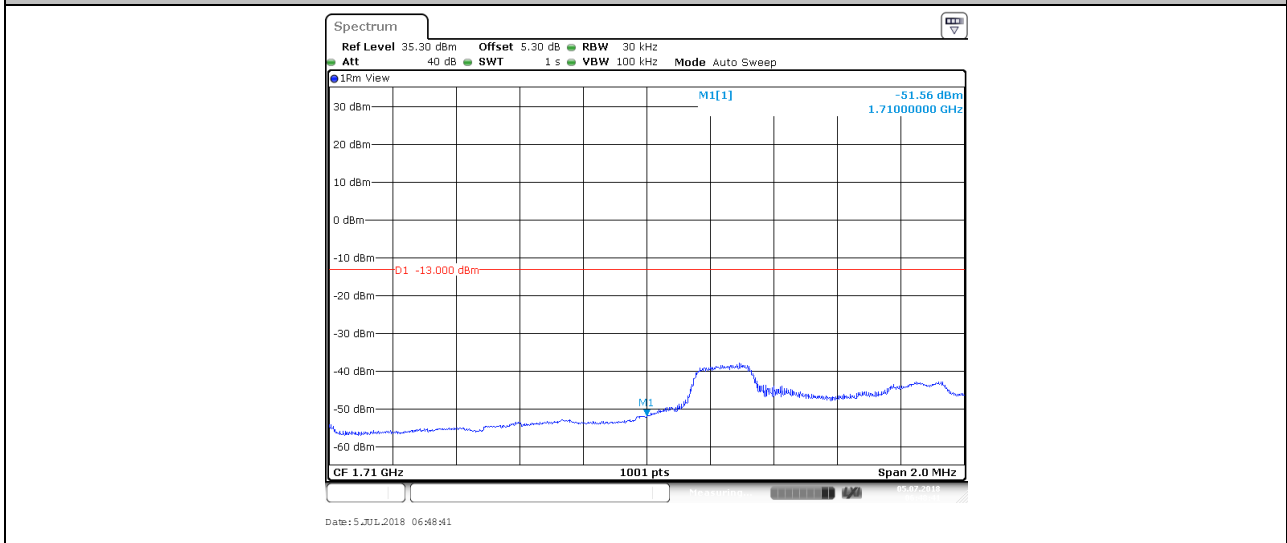




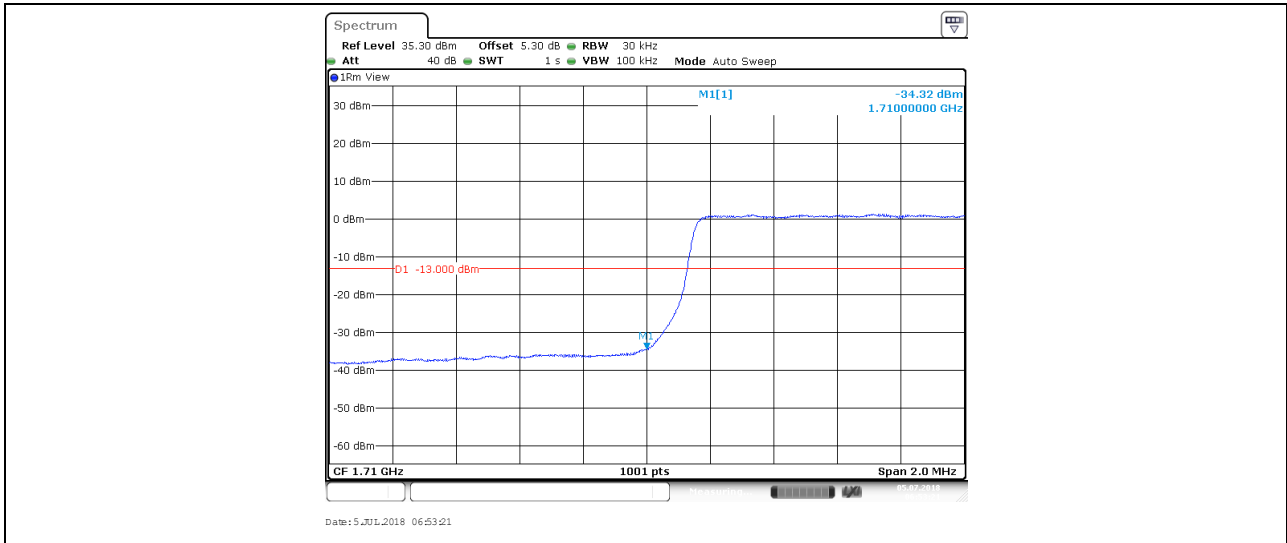
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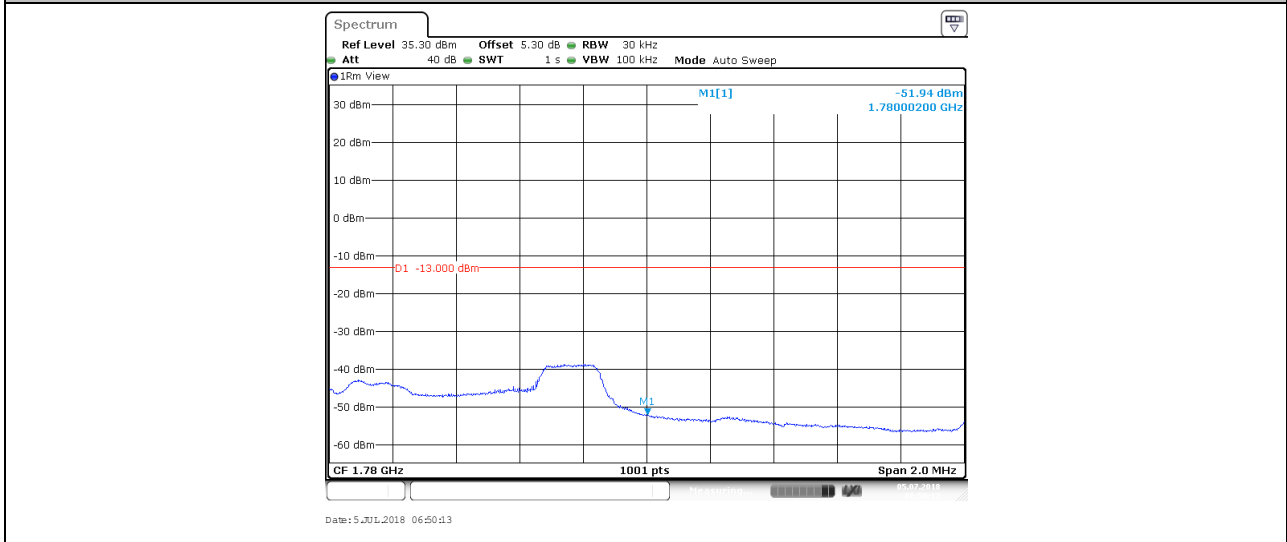
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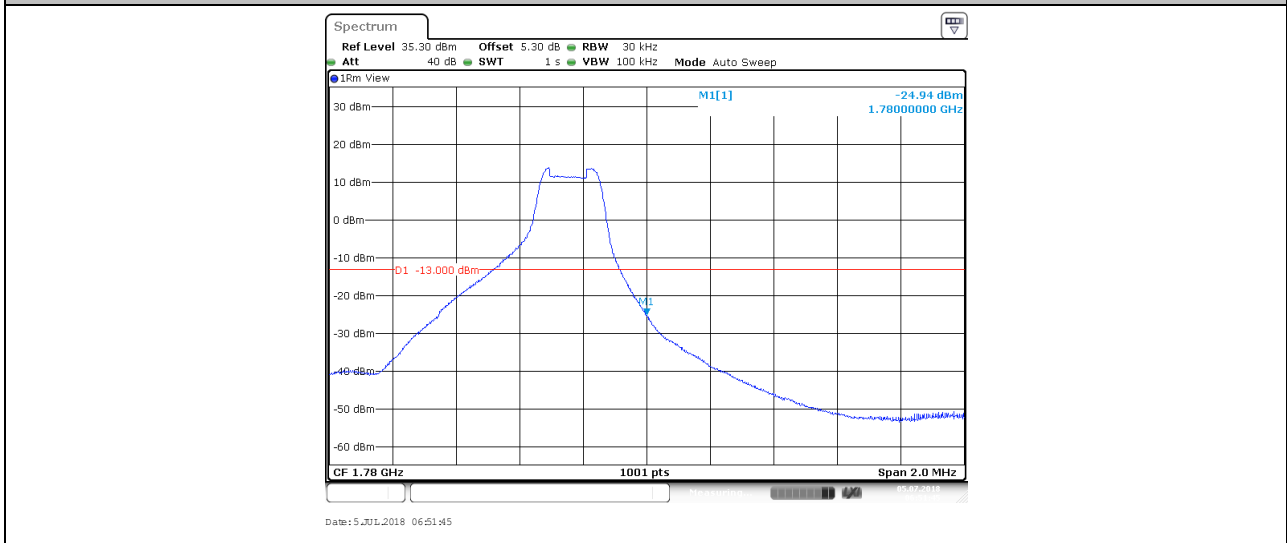
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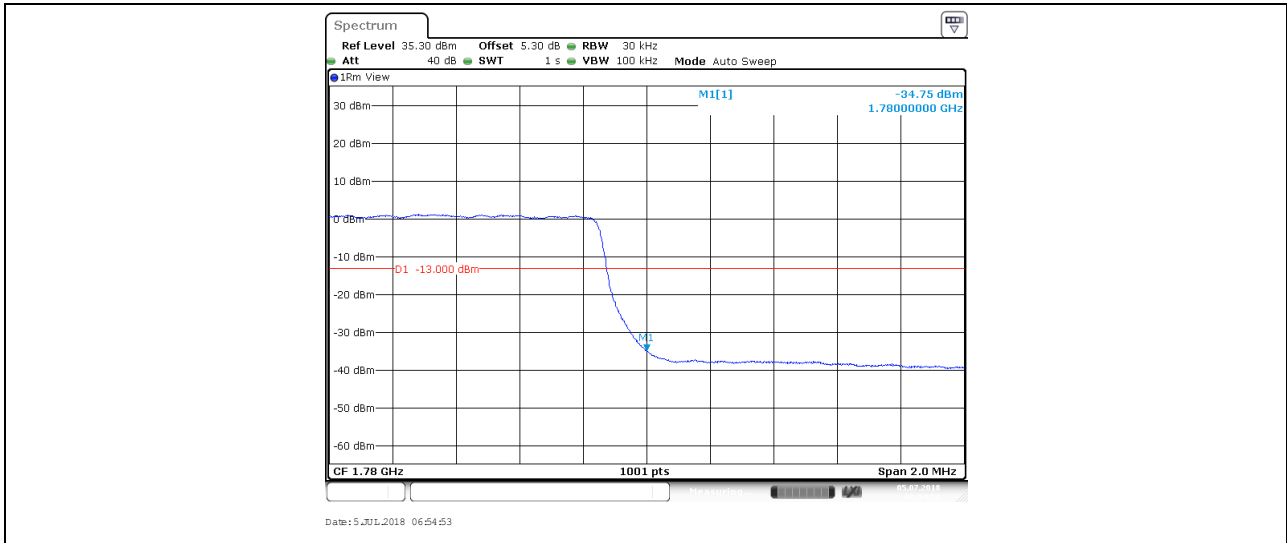
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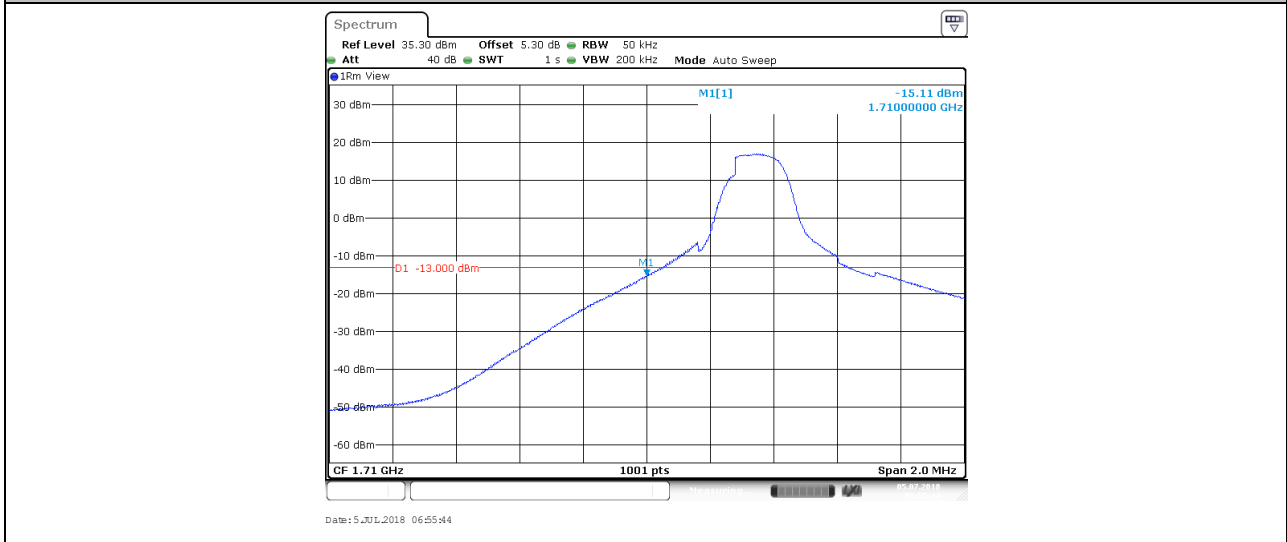
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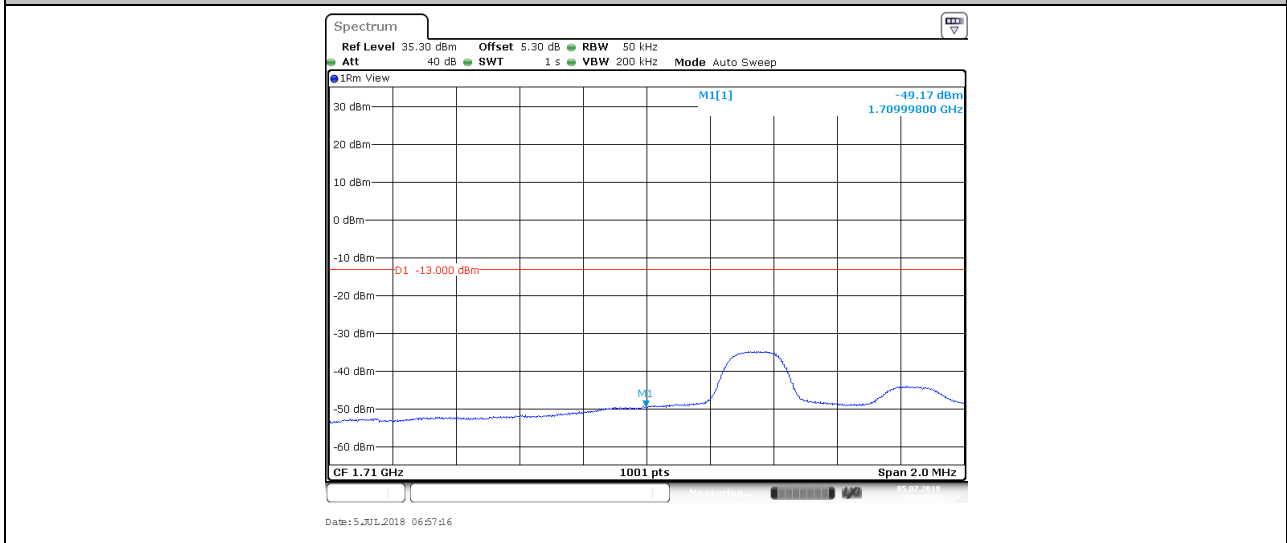
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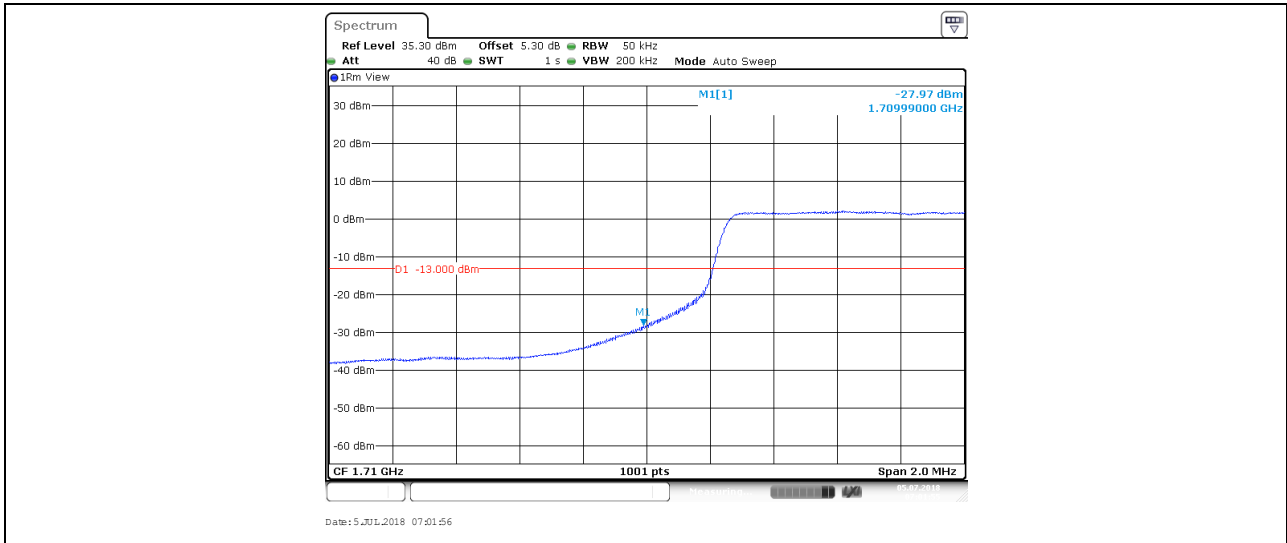
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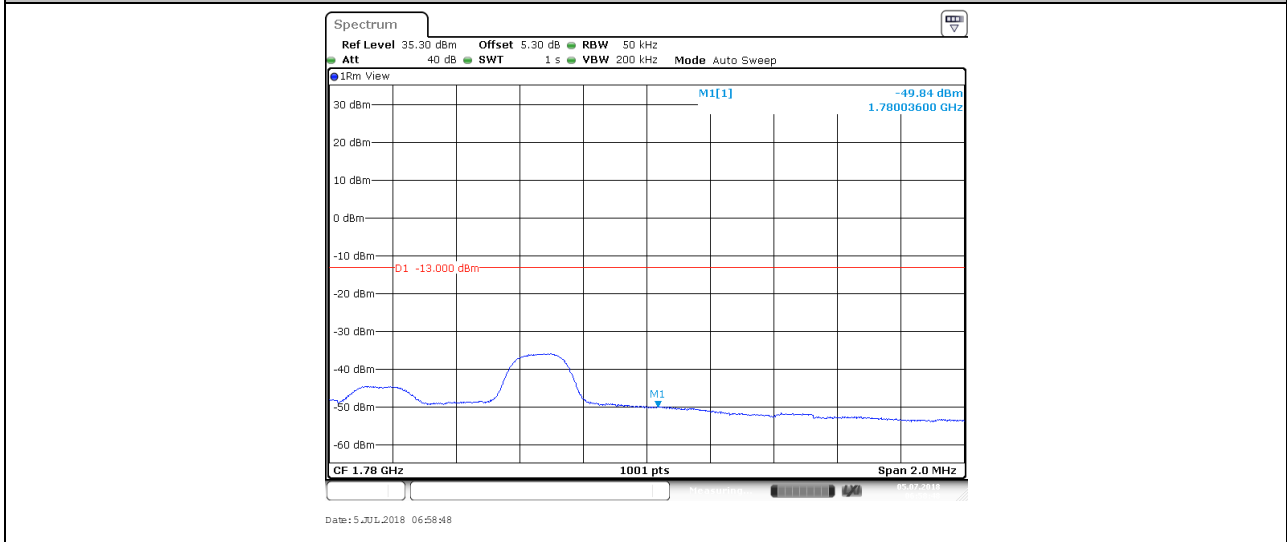
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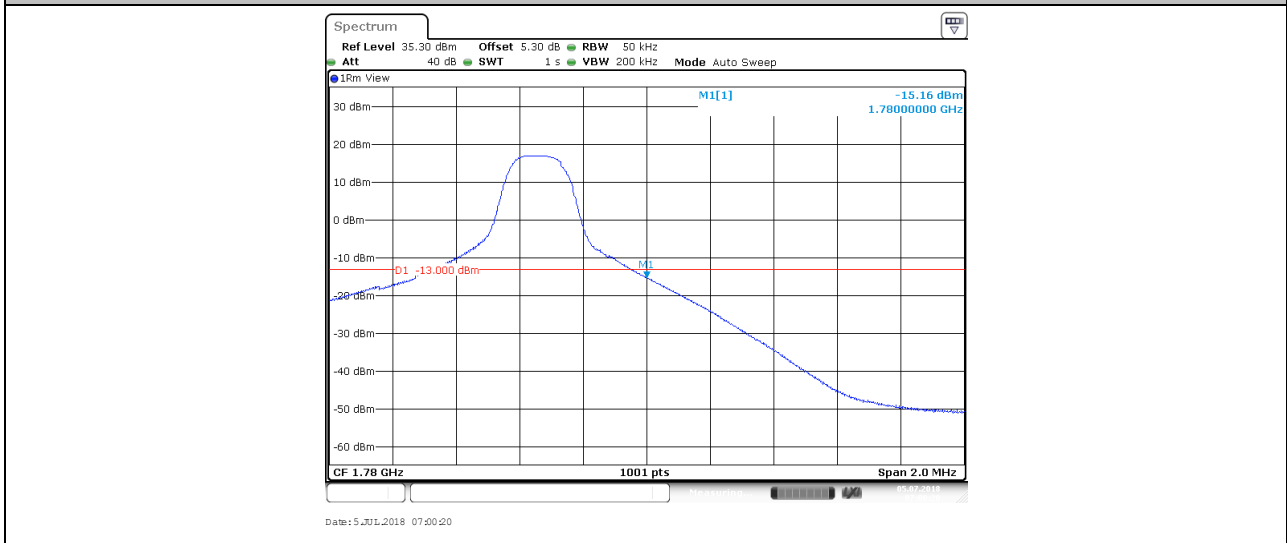
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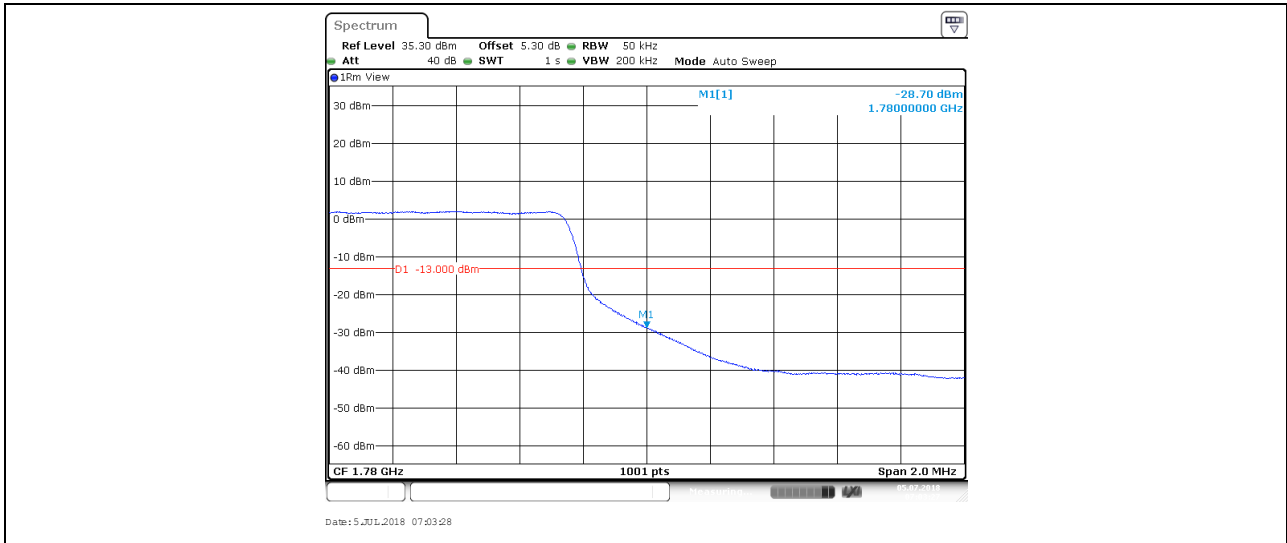
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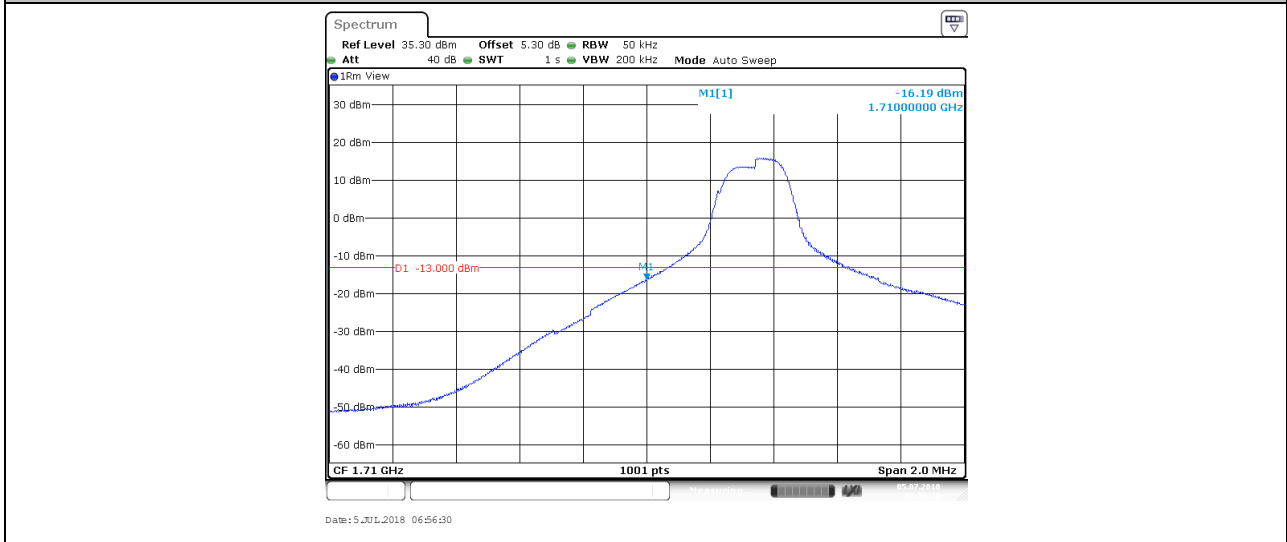
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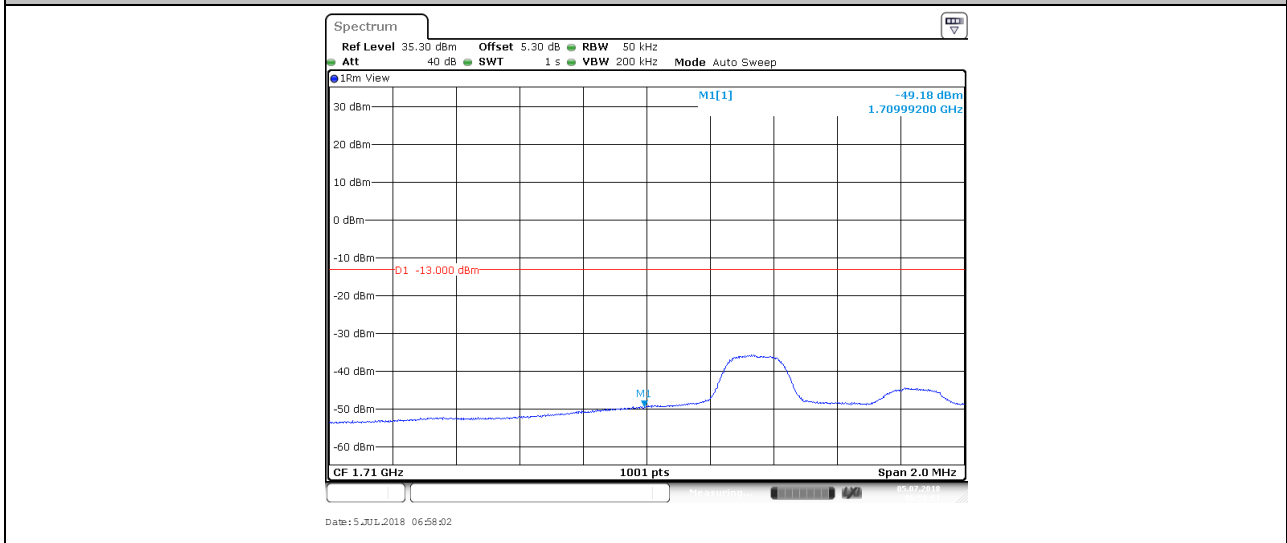
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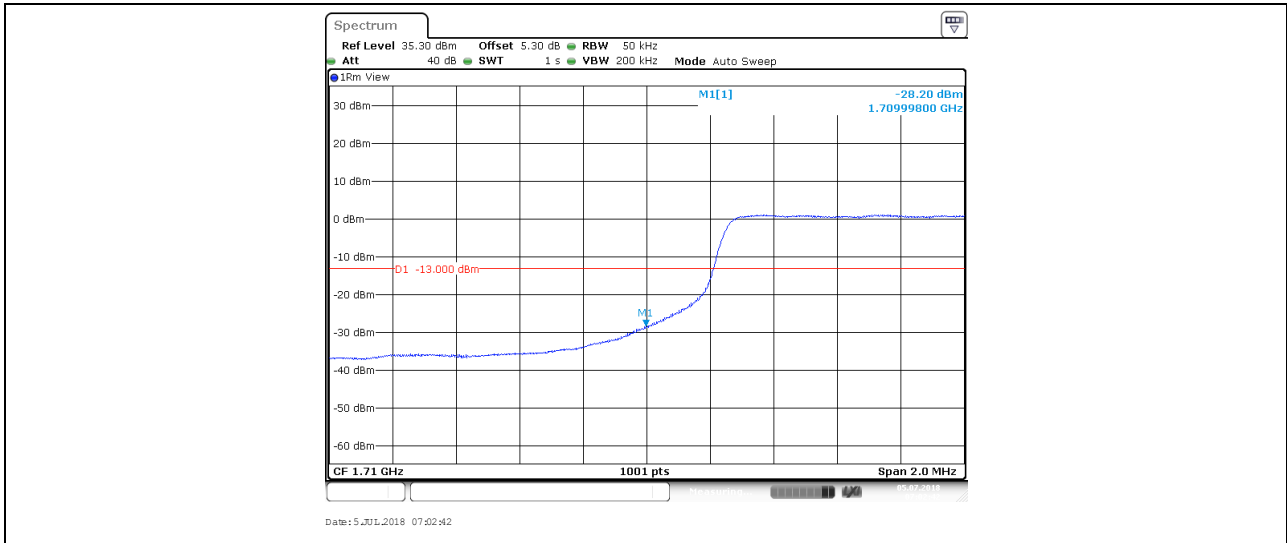
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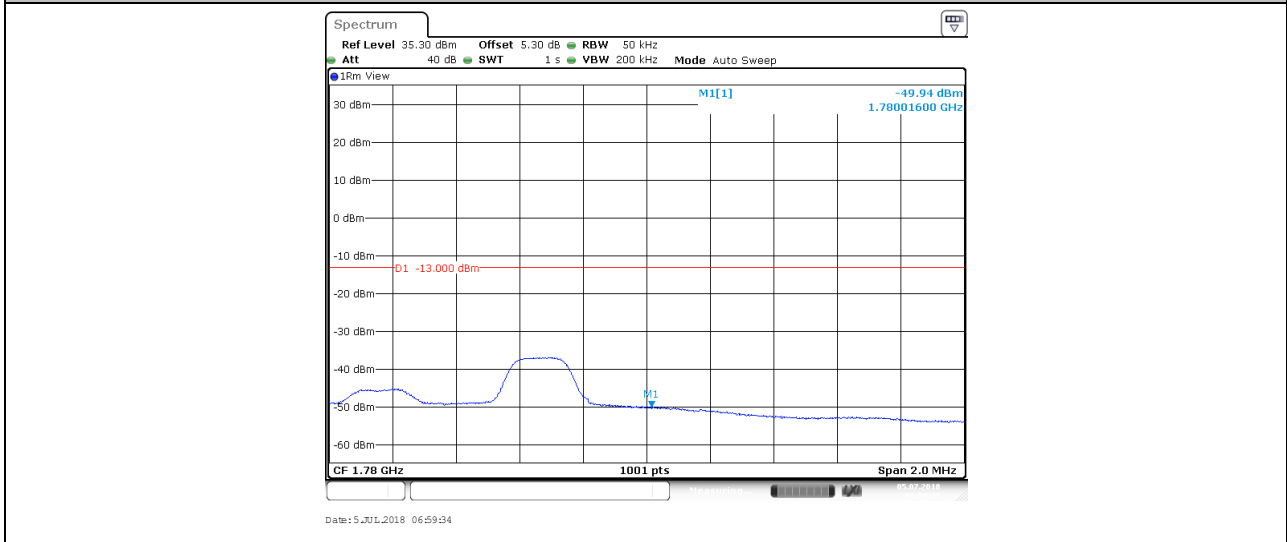
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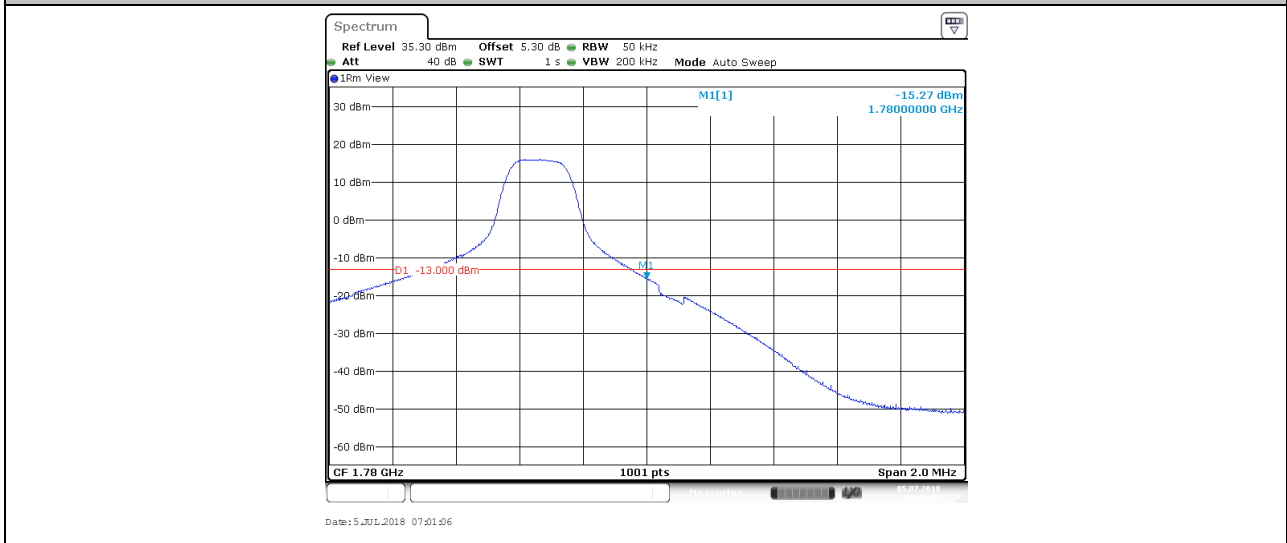
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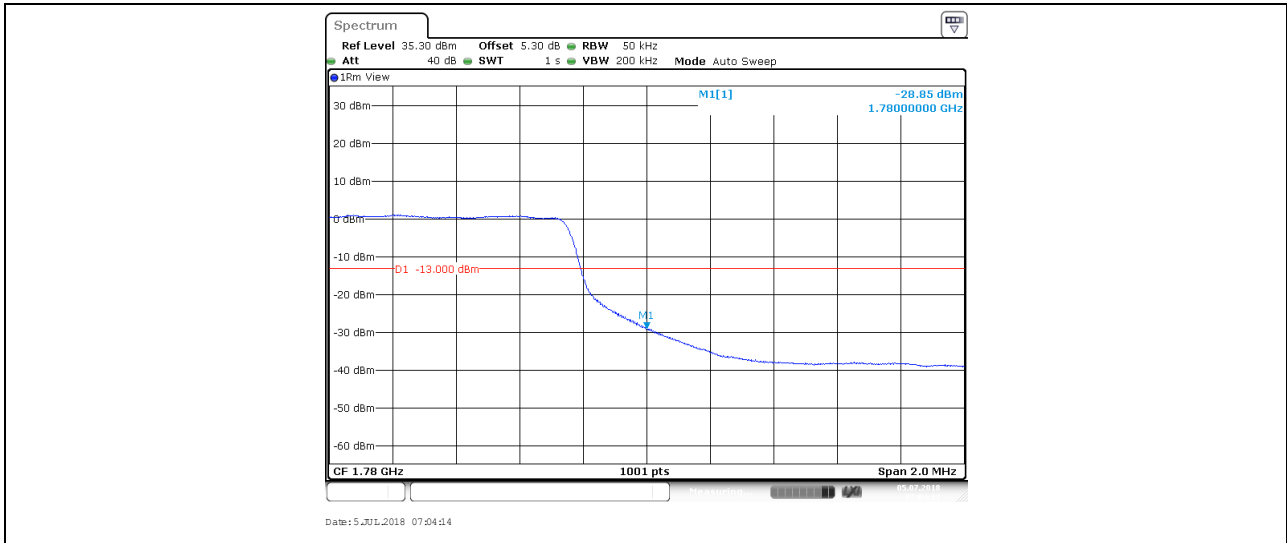
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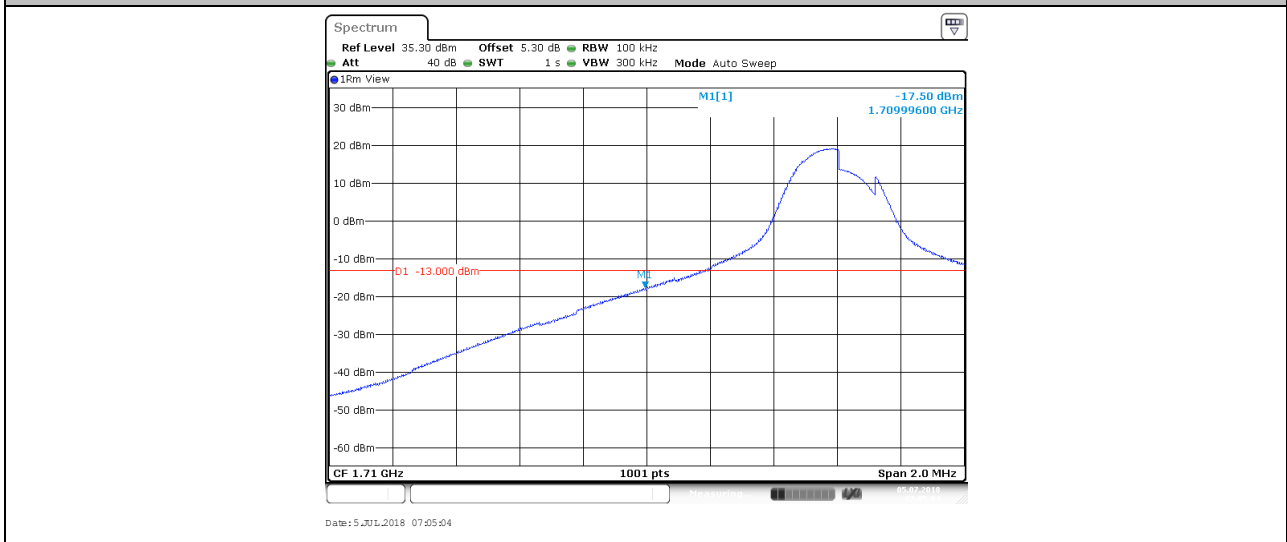
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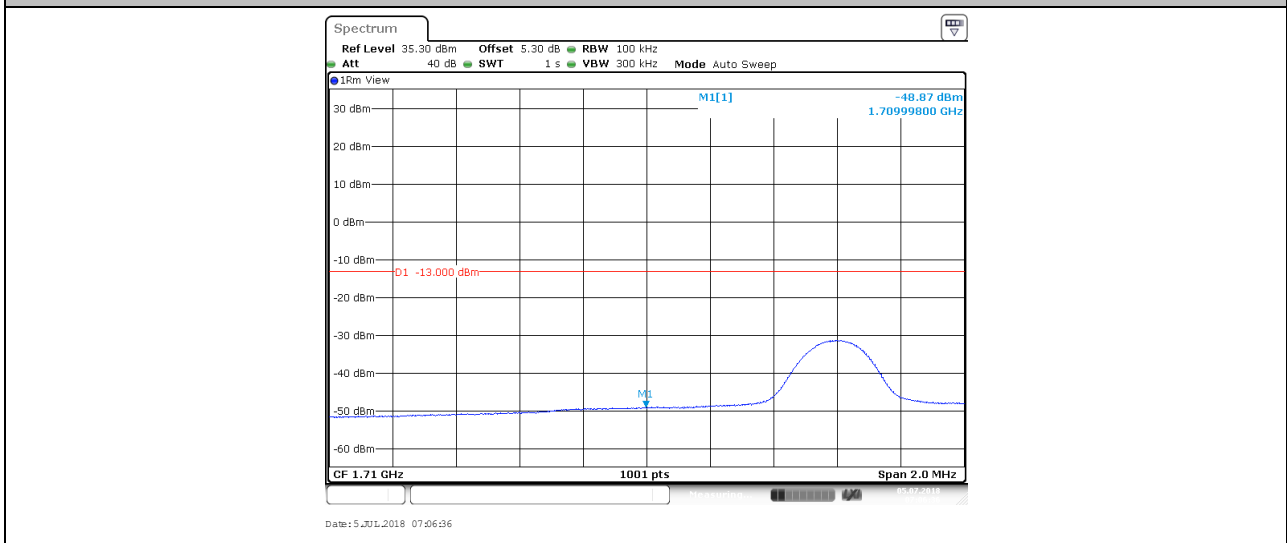
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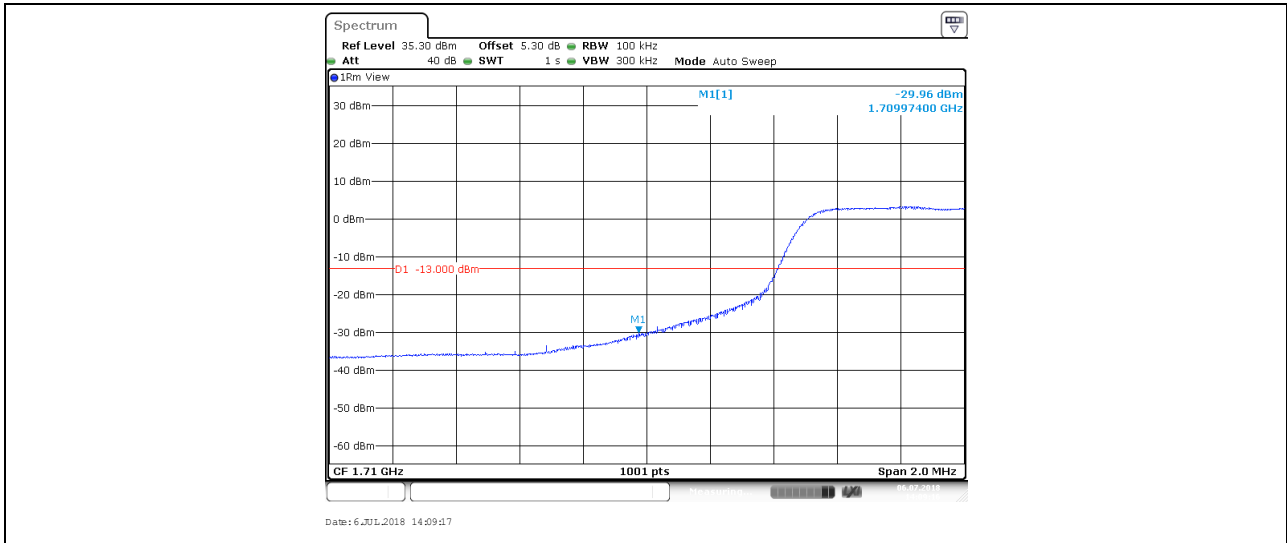
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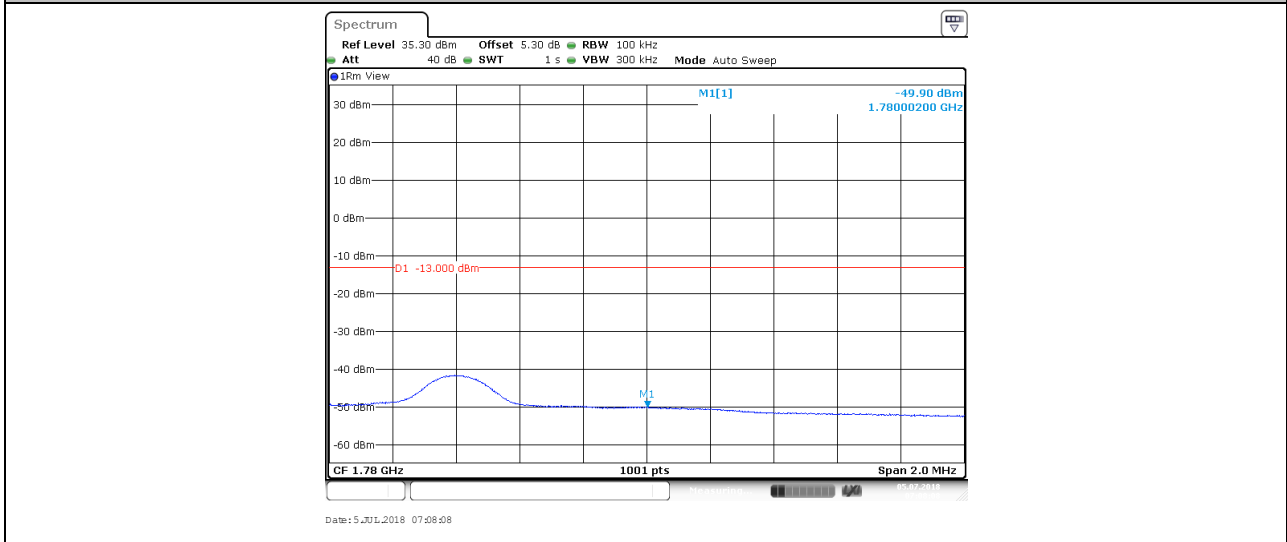
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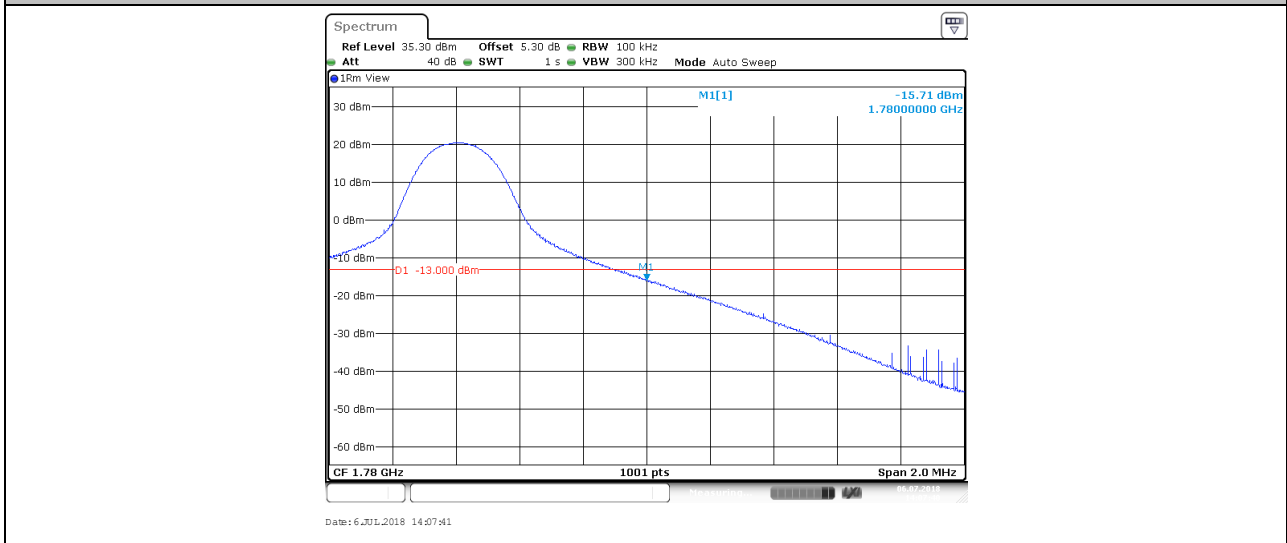
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BAND66\_10MHz\_QPSK\_132622\_1RB#0

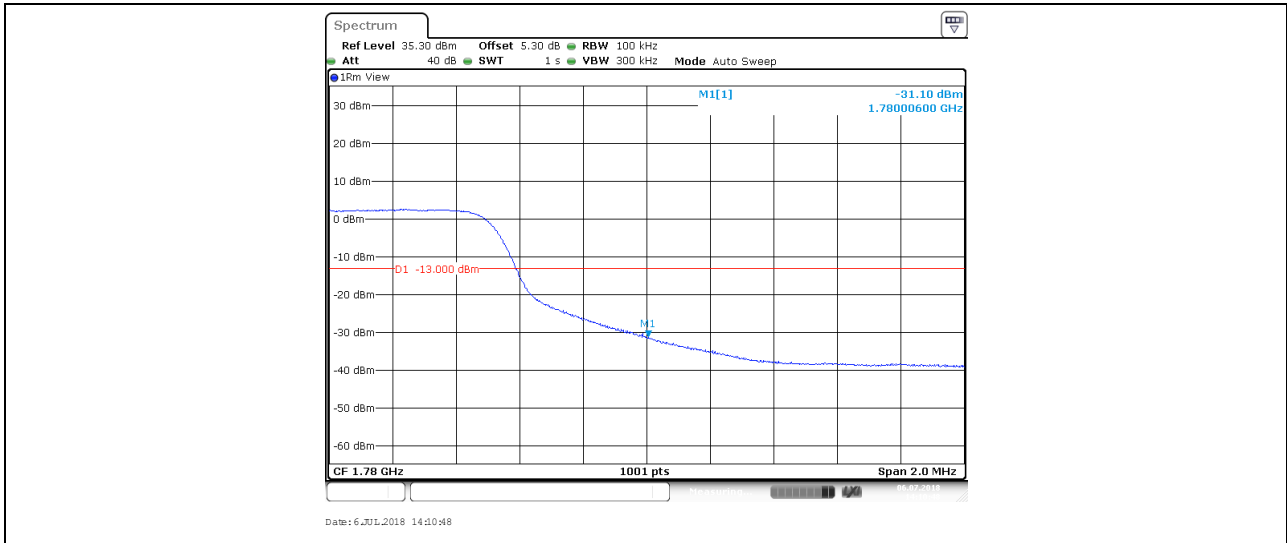


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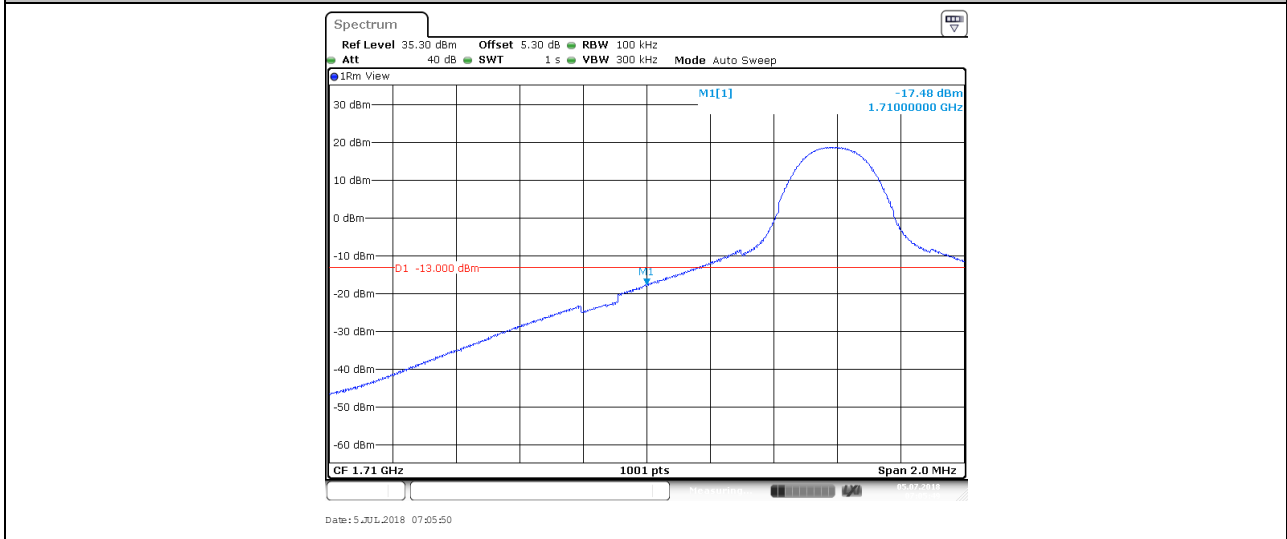


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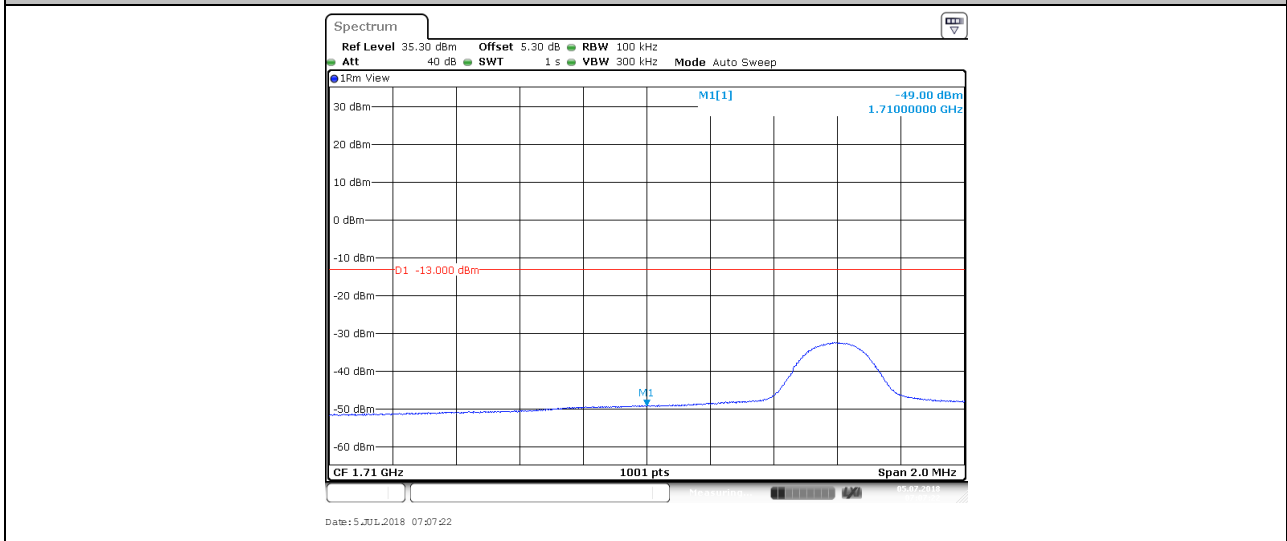




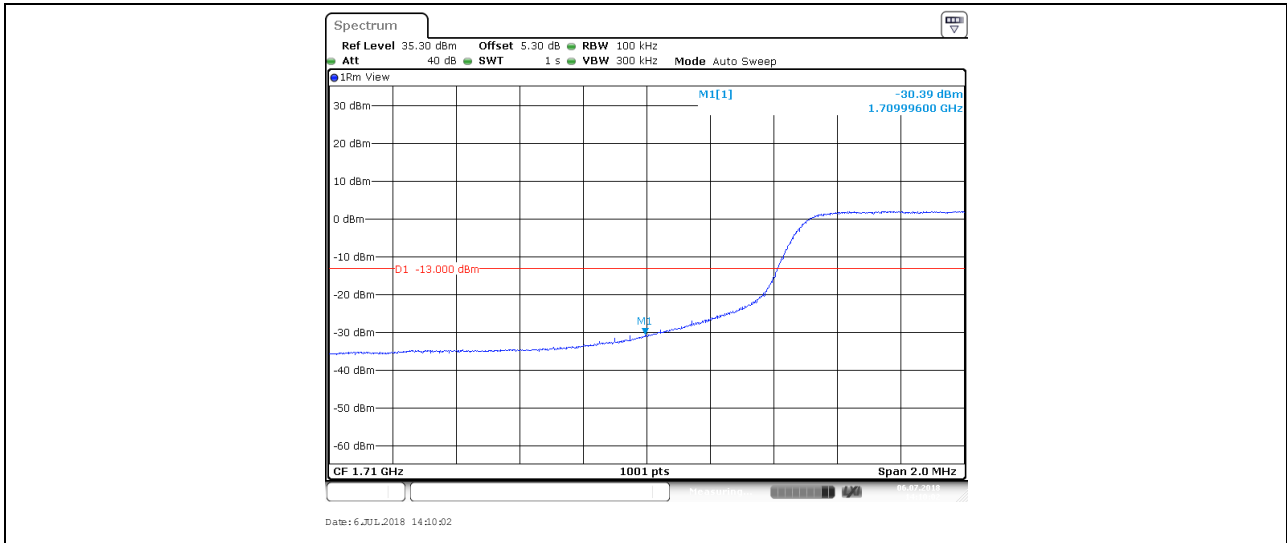
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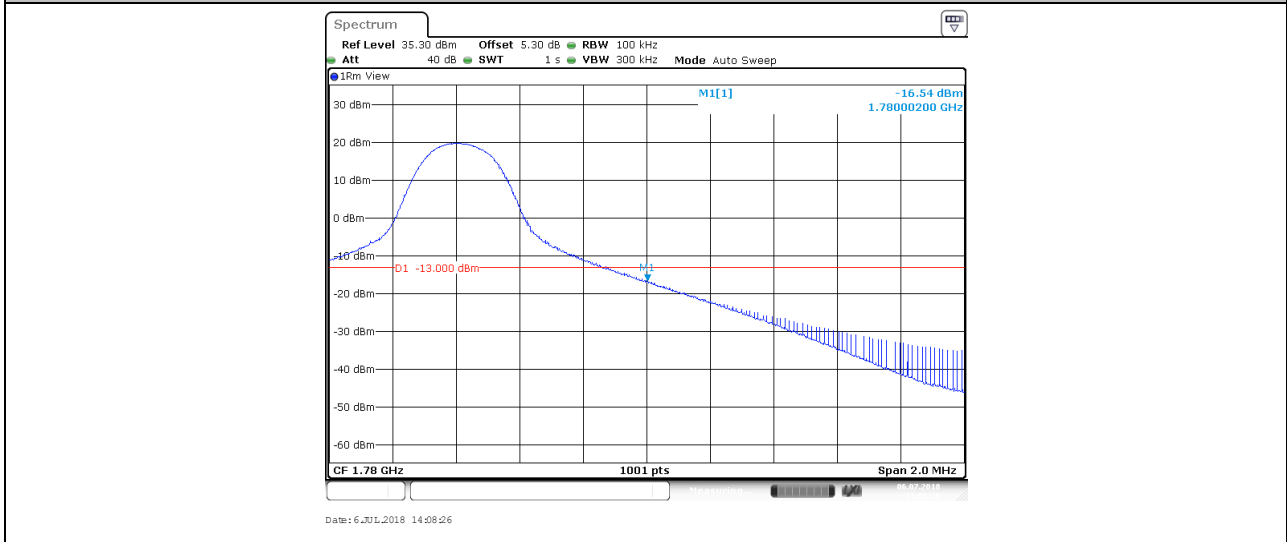
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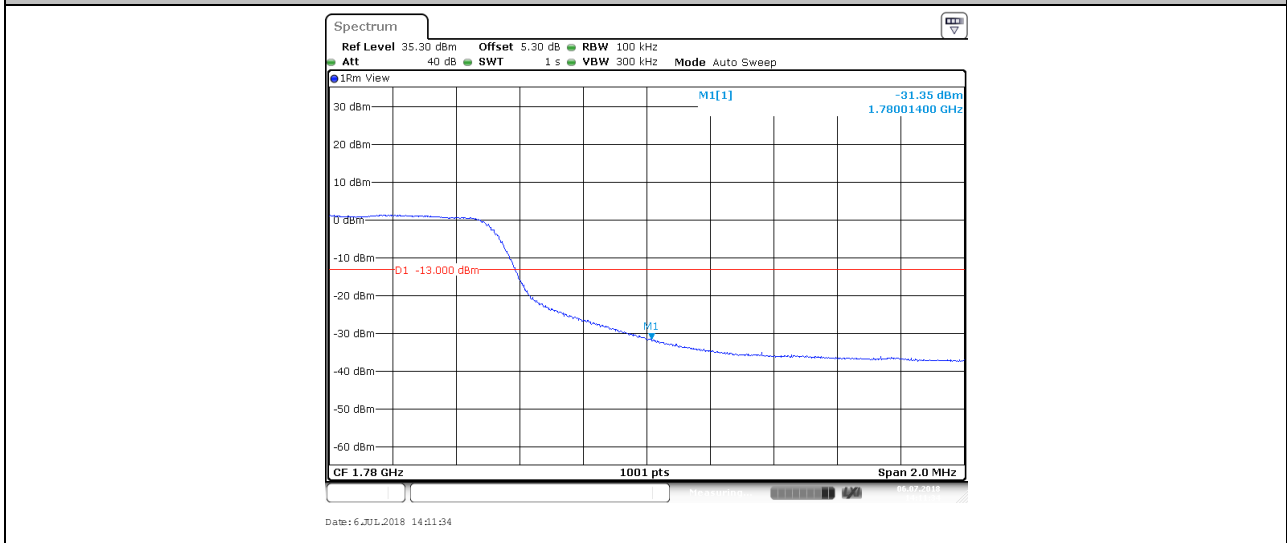
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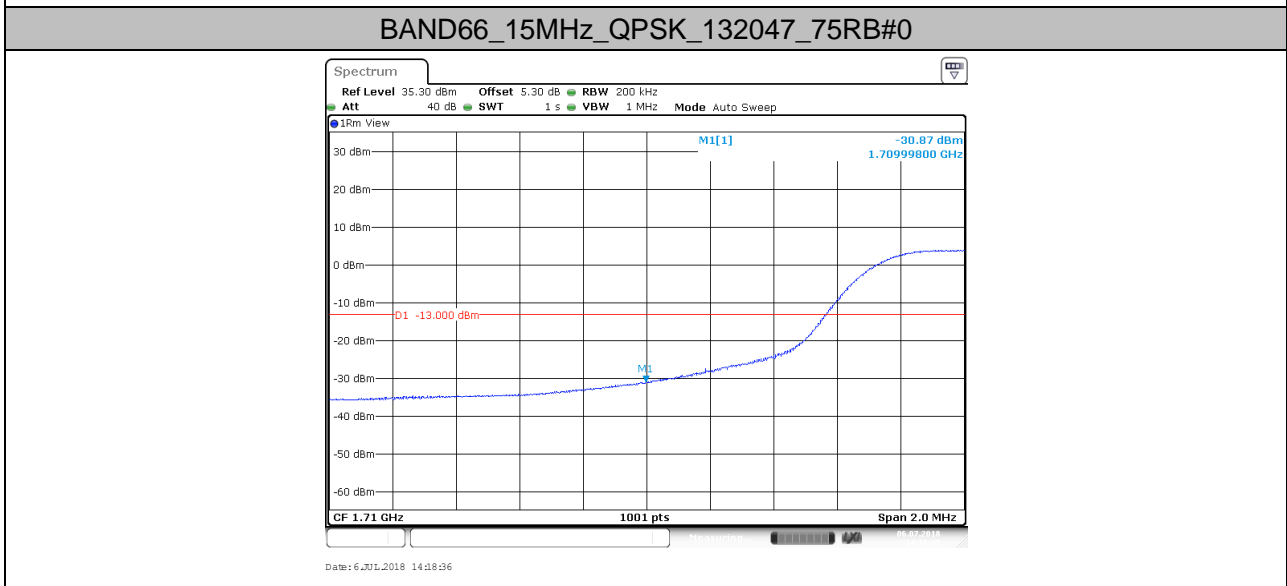
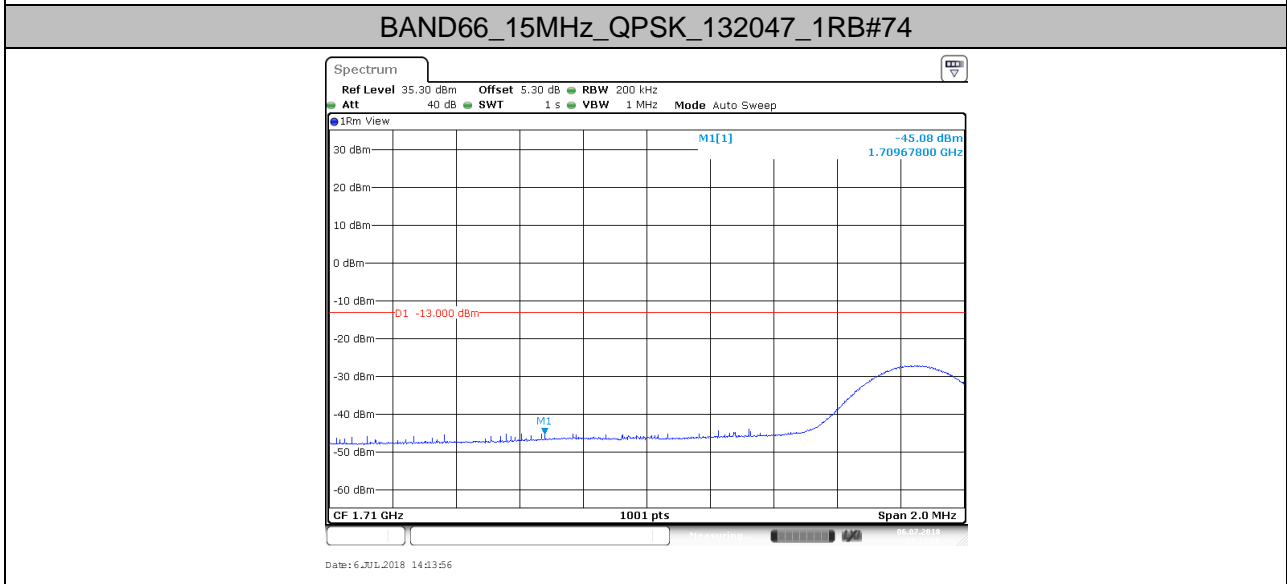
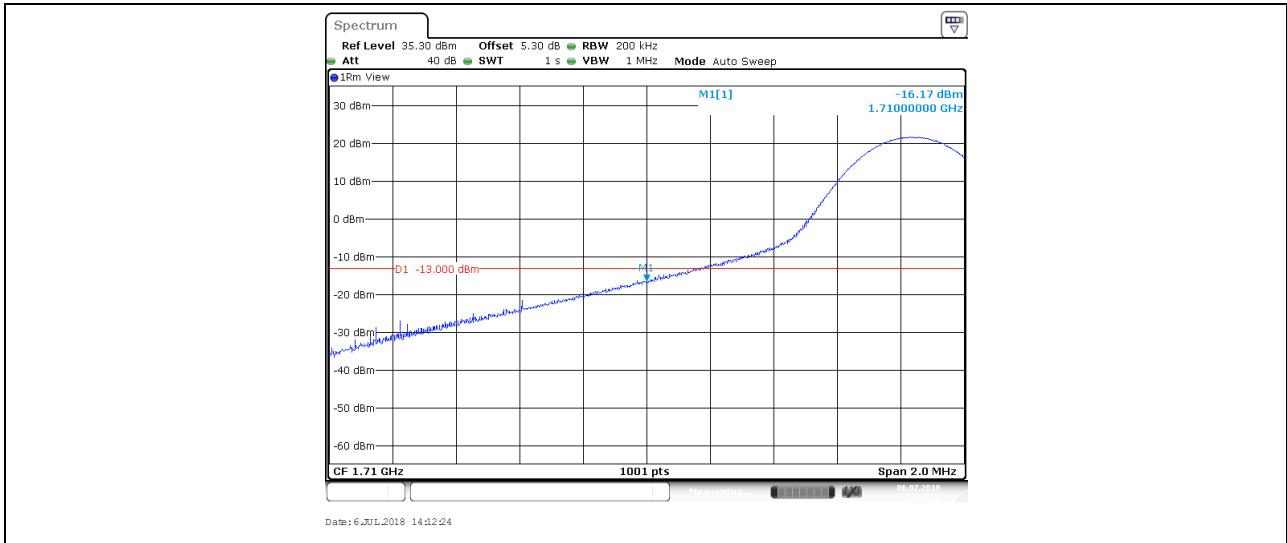
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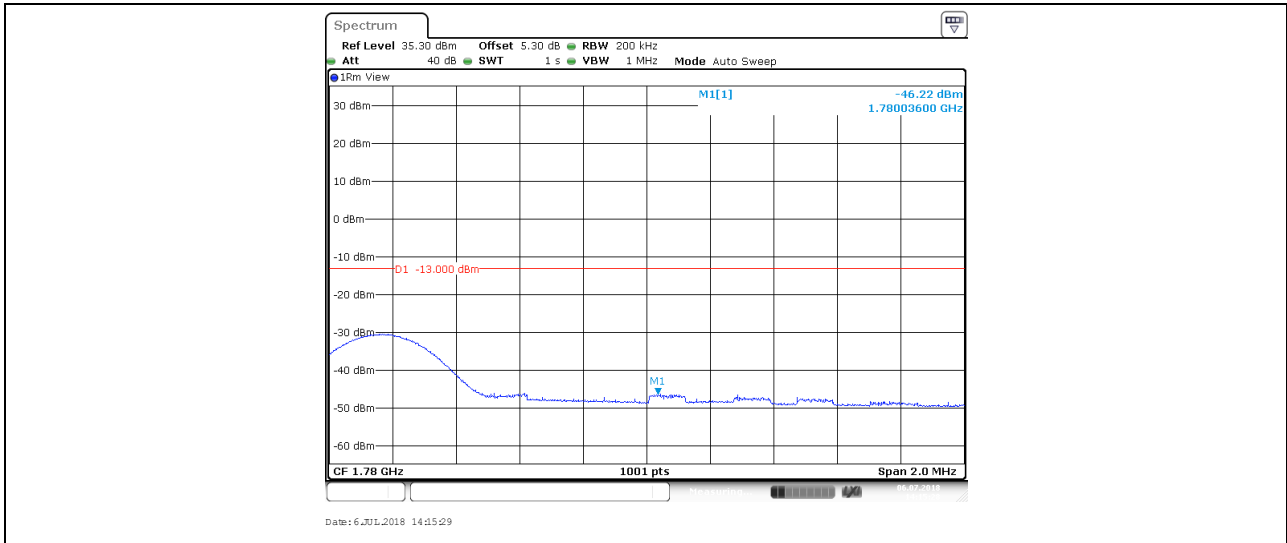
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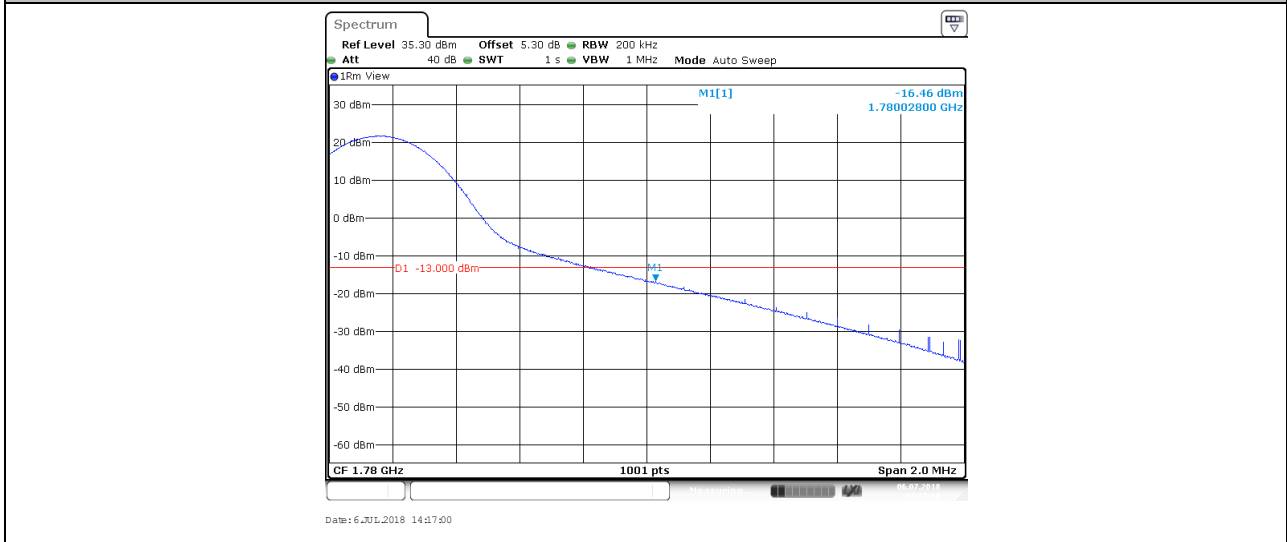
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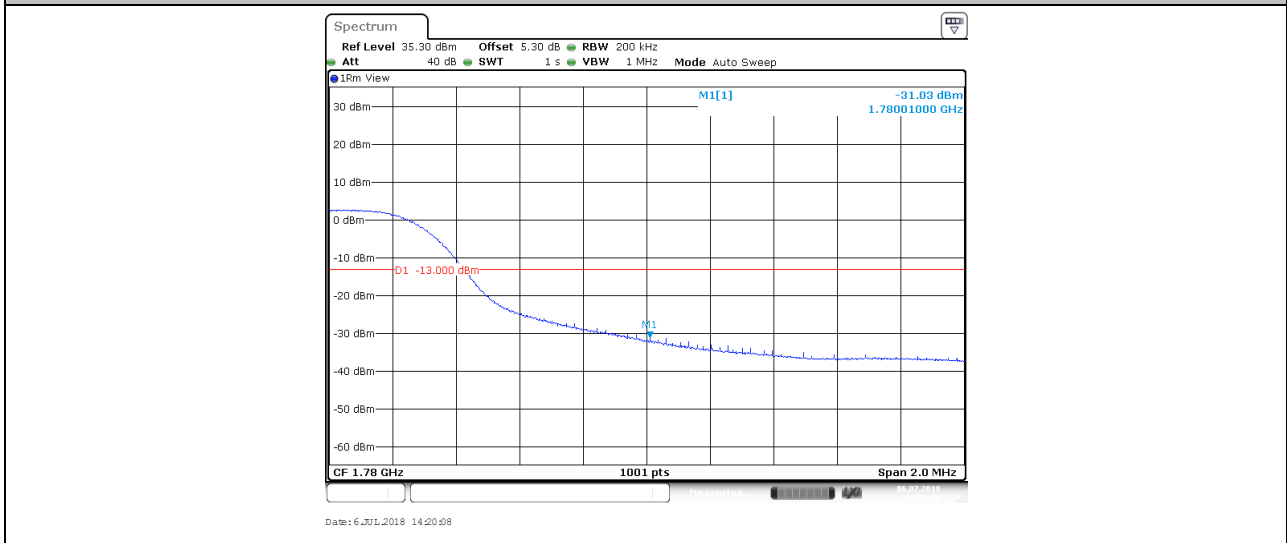
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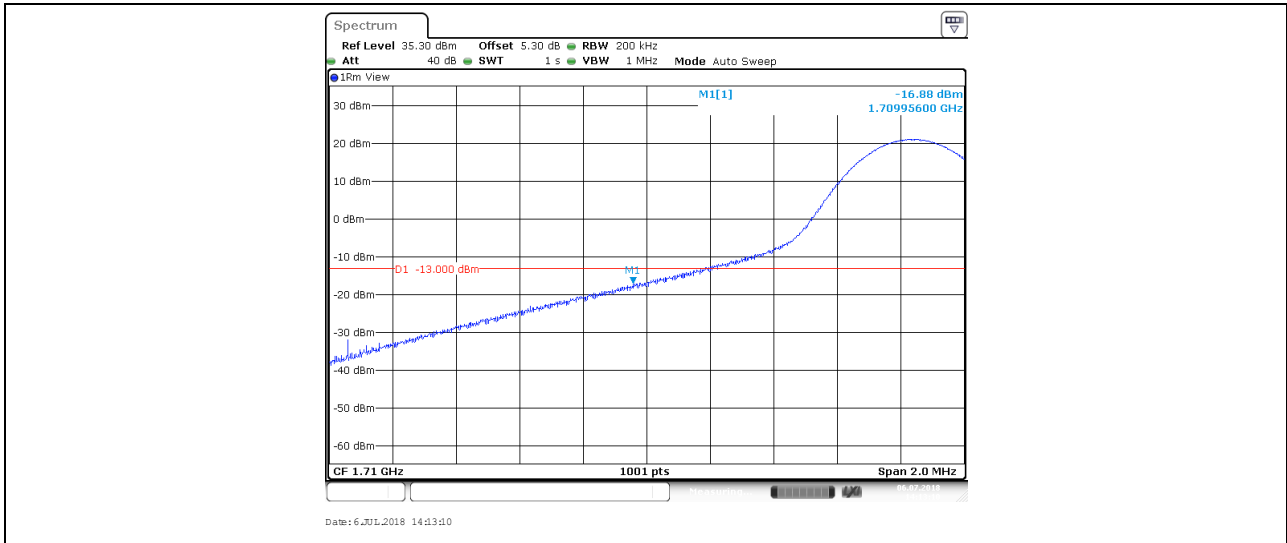
BAND66\_15MHz\_QPSK\_132597\_1RB#74



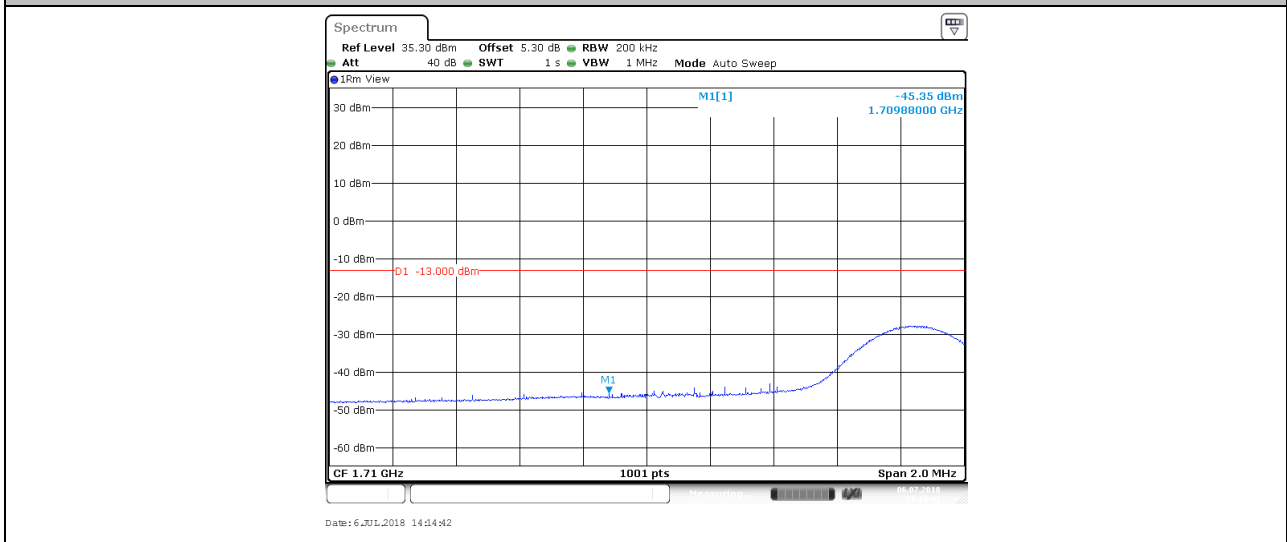
BAND66\_15MHz\_QPSK\_132597\_75RB#0



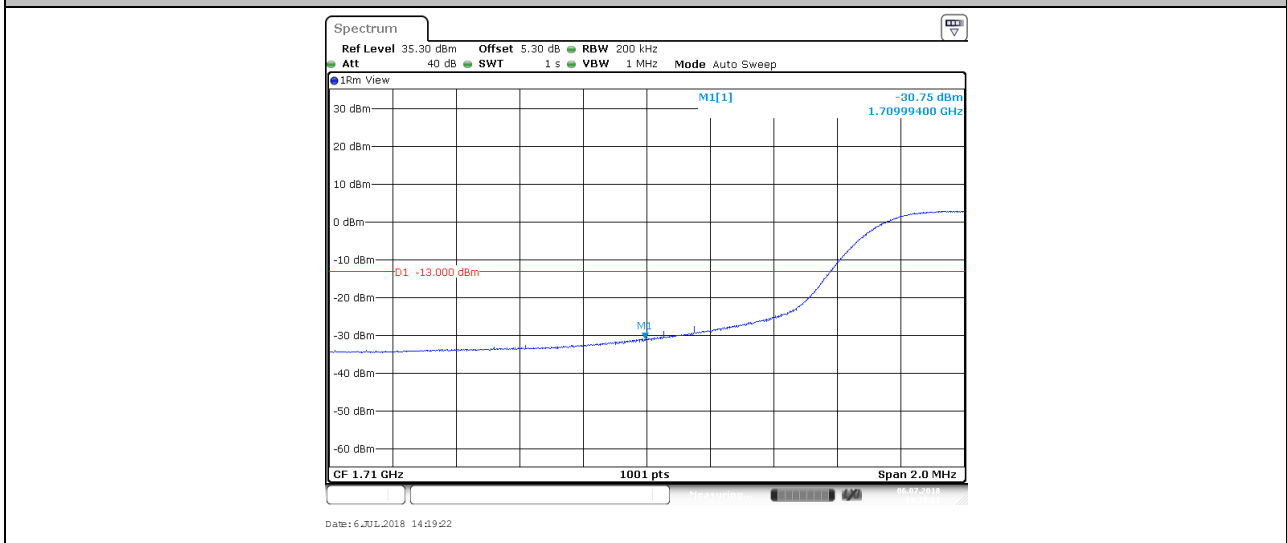
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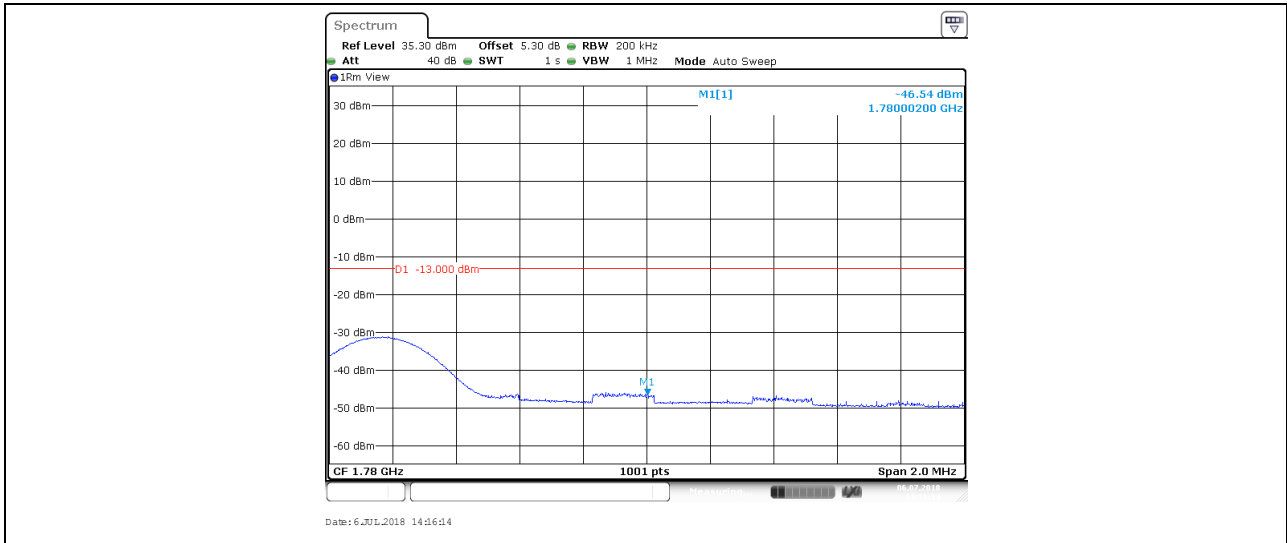
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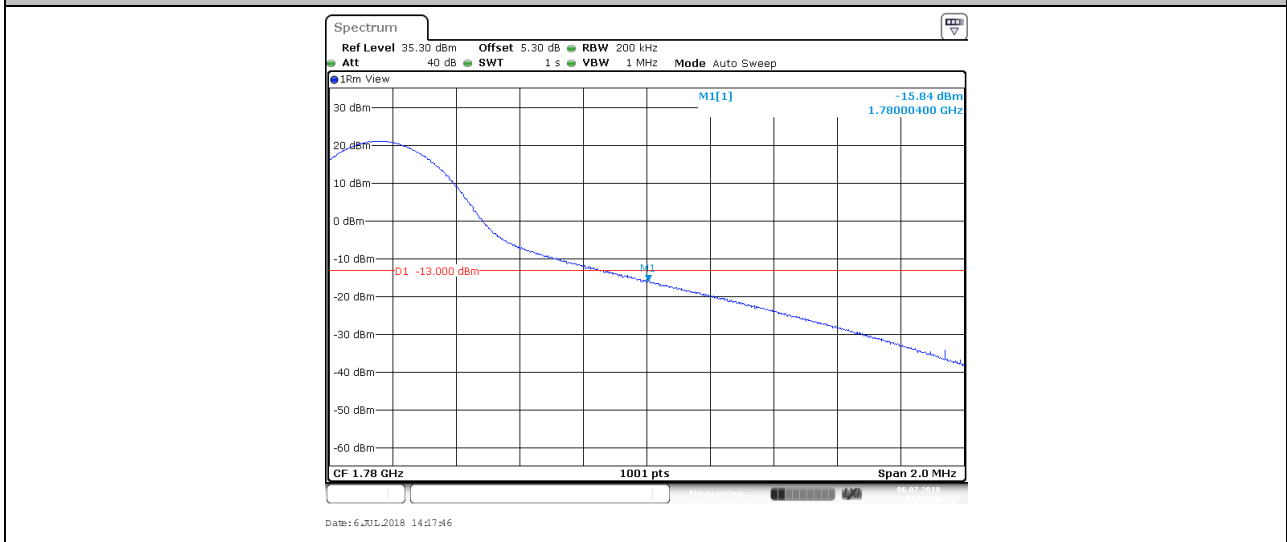
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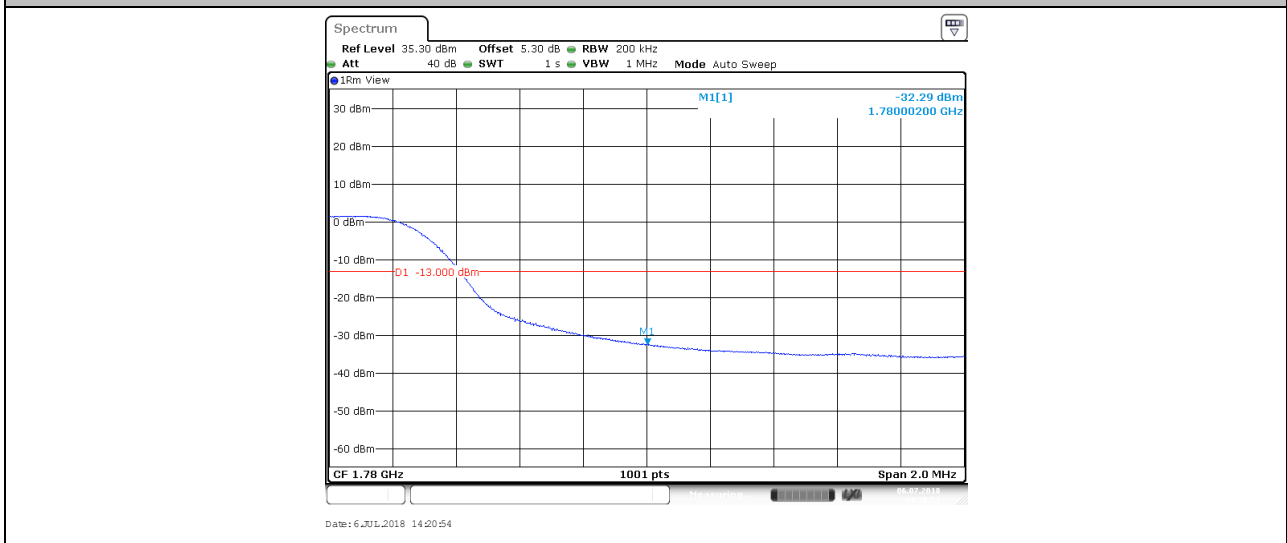
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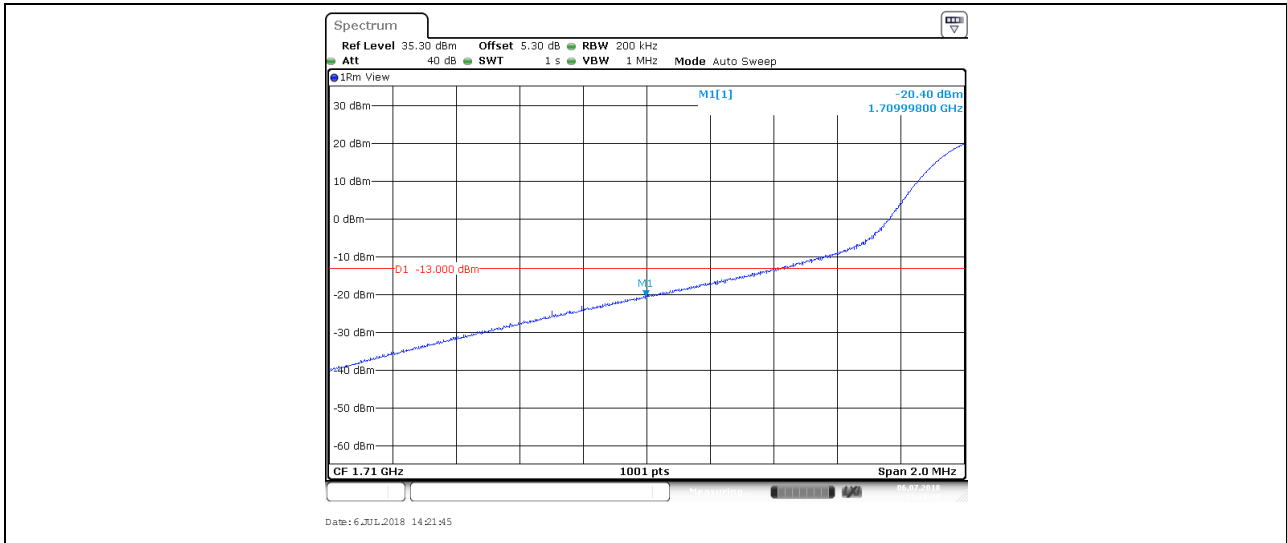
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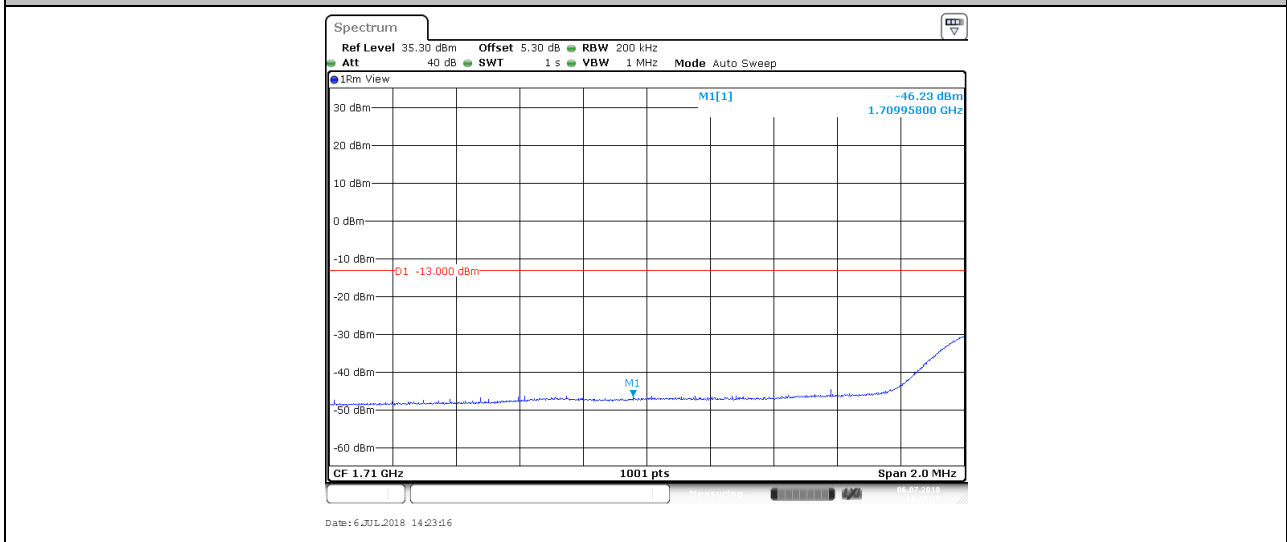
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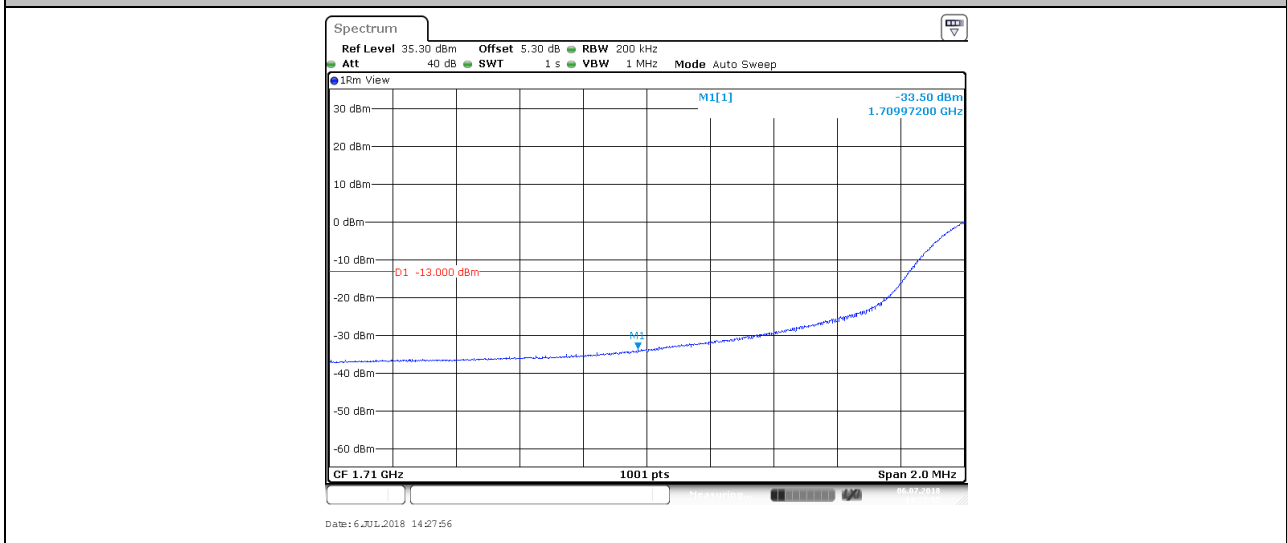
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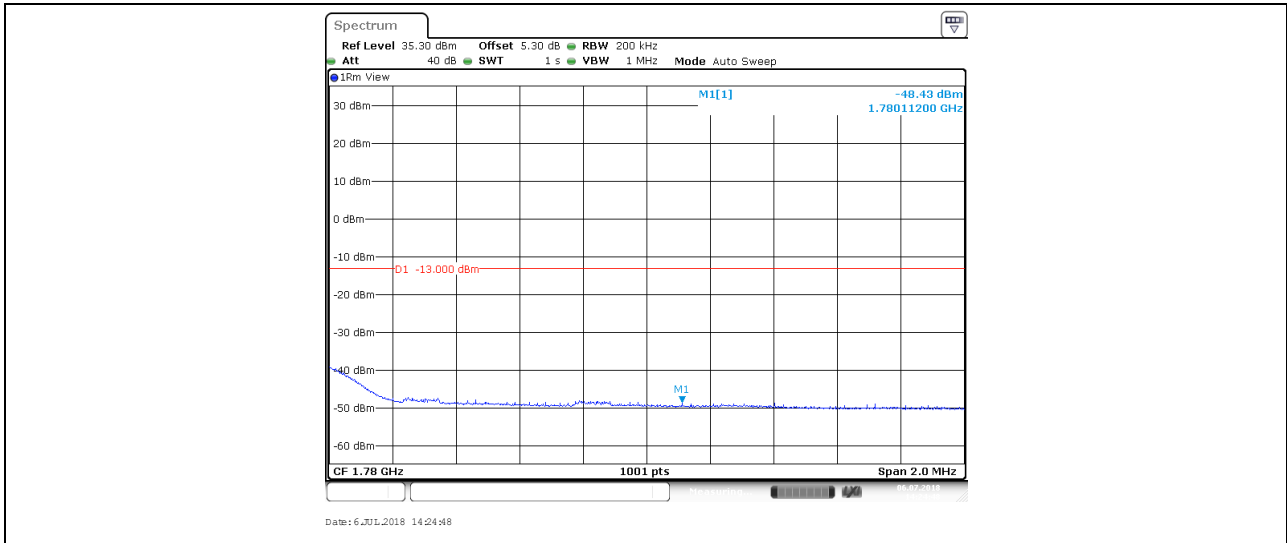
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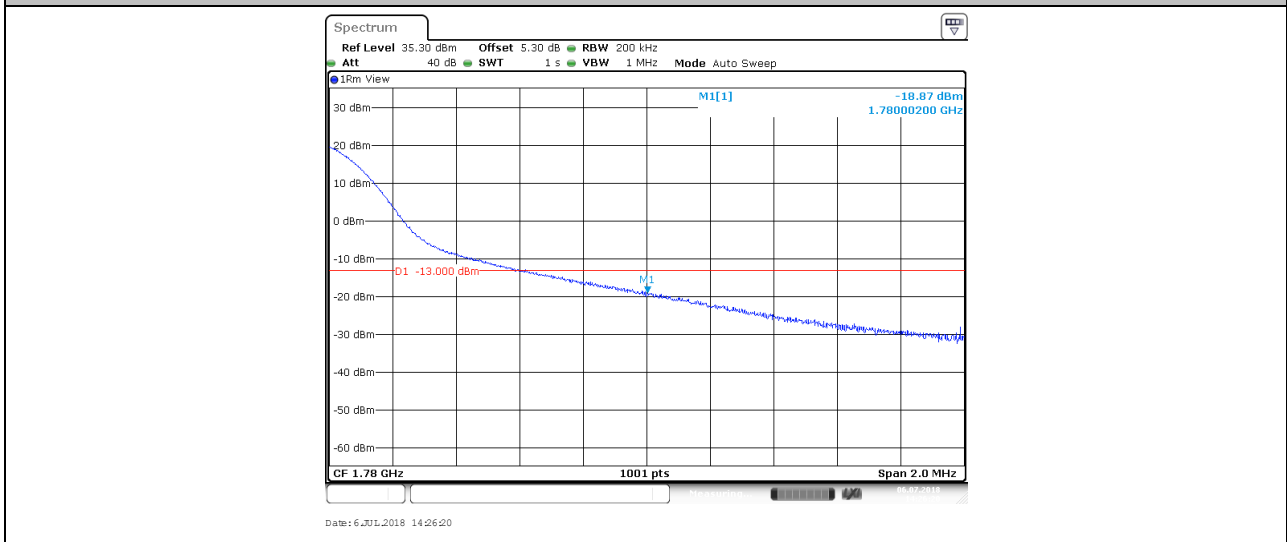
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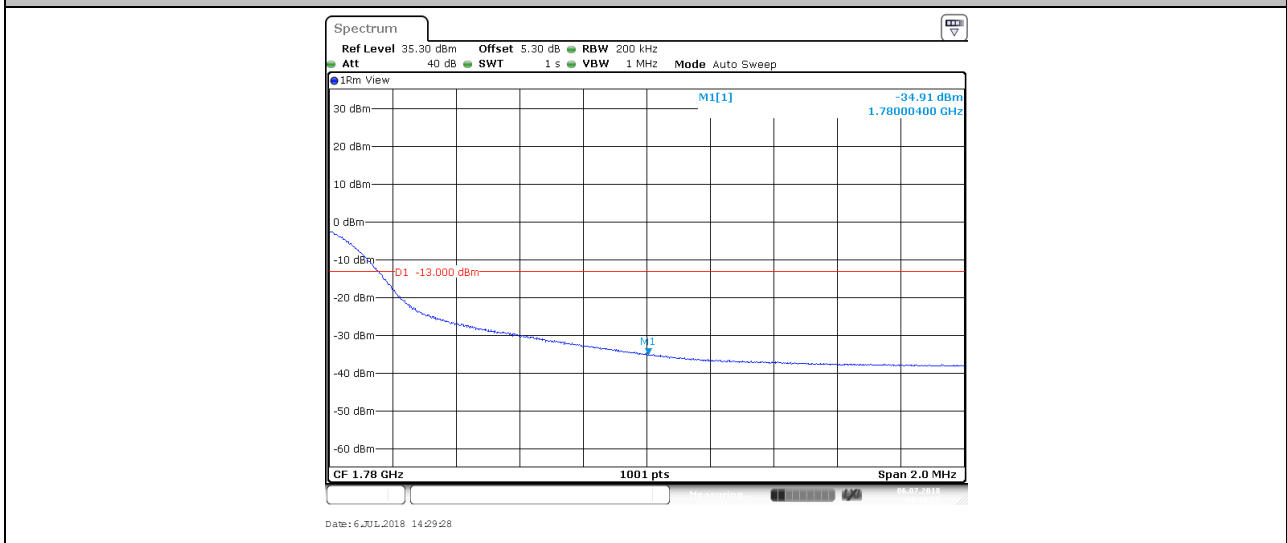
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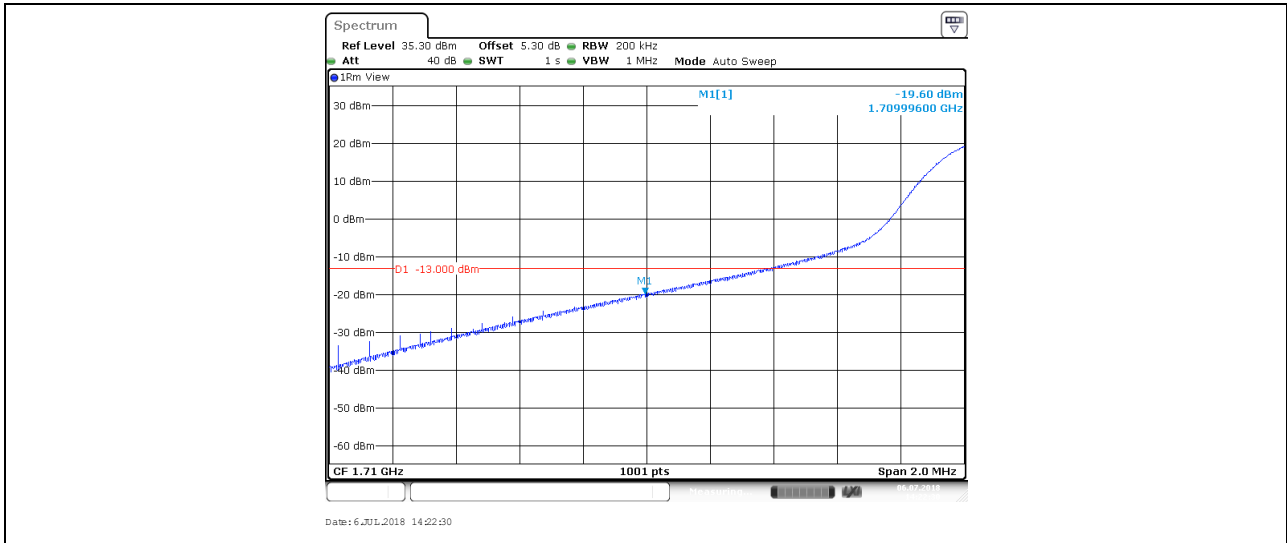


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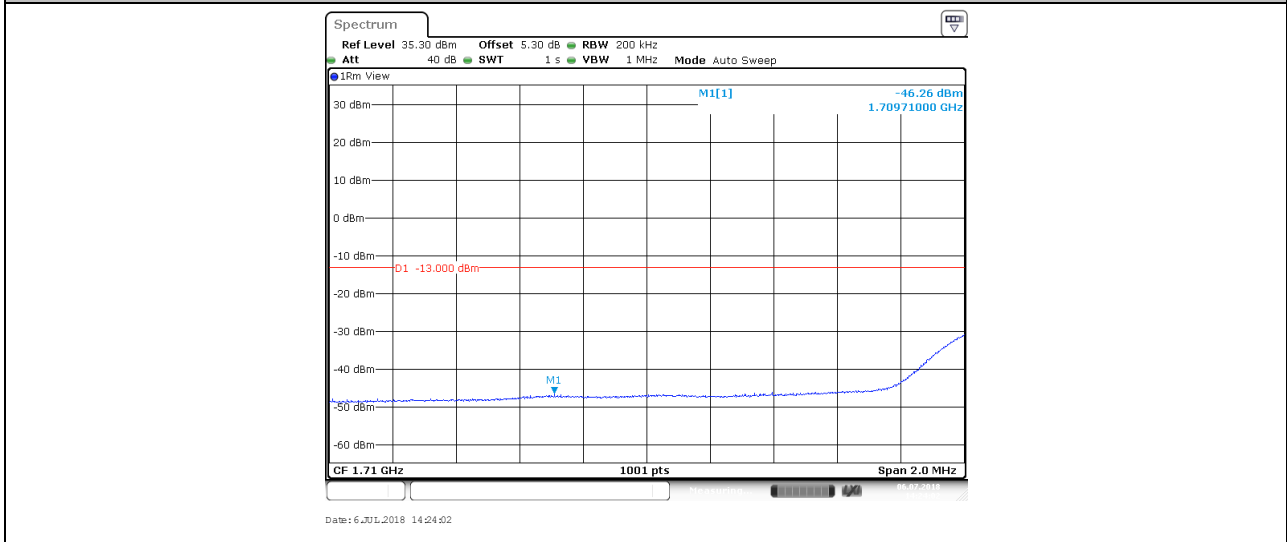


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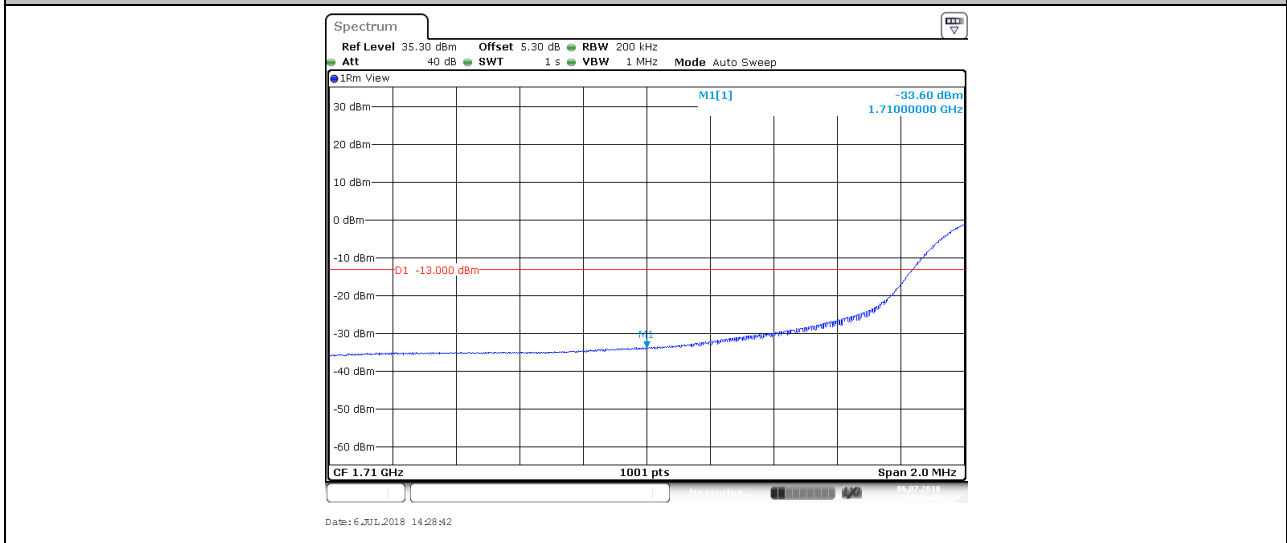




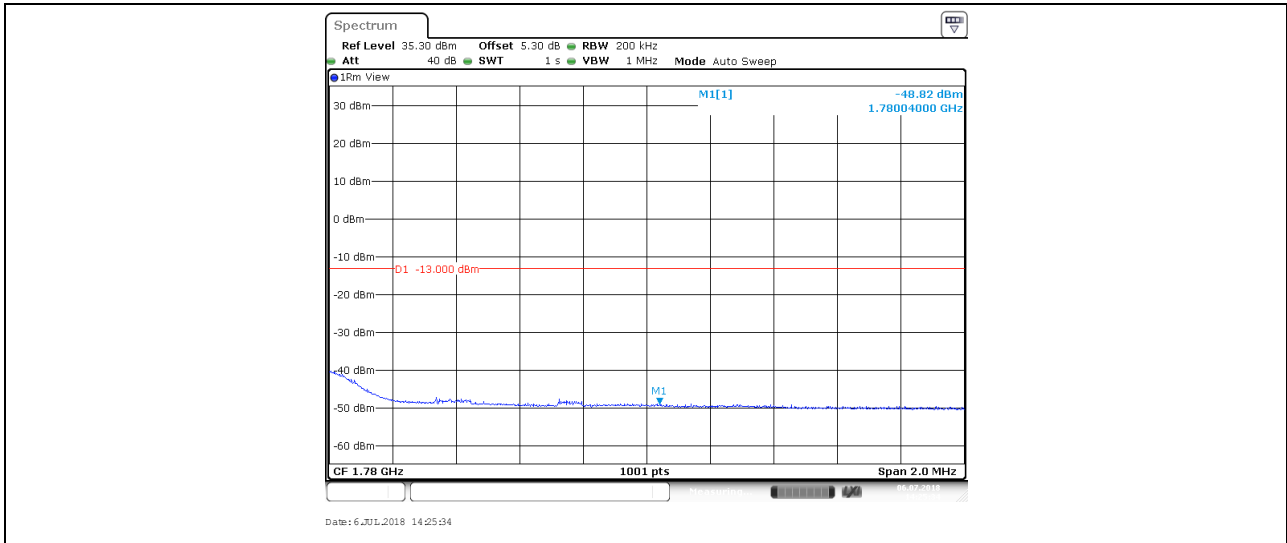
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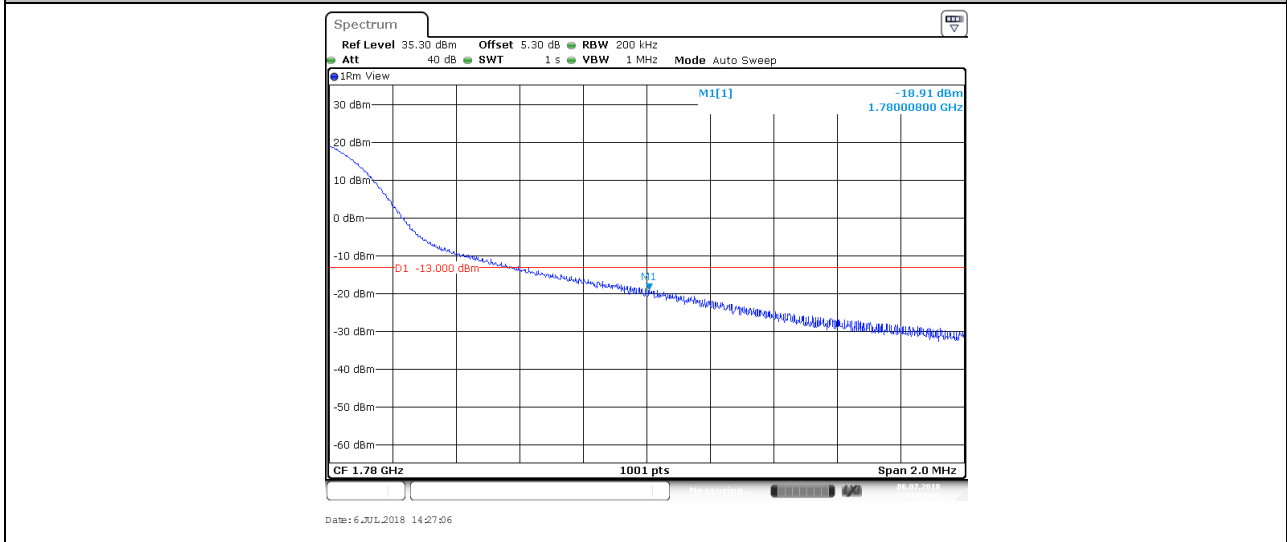
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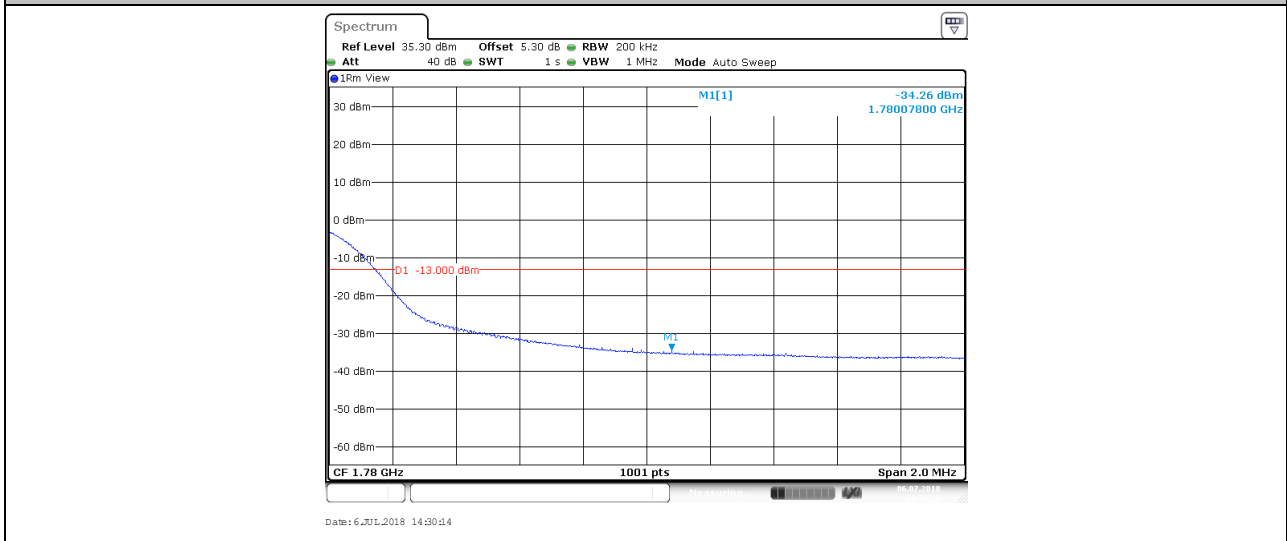
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BAND66\_20MHz\_16QAM\_132572\_100RB#0

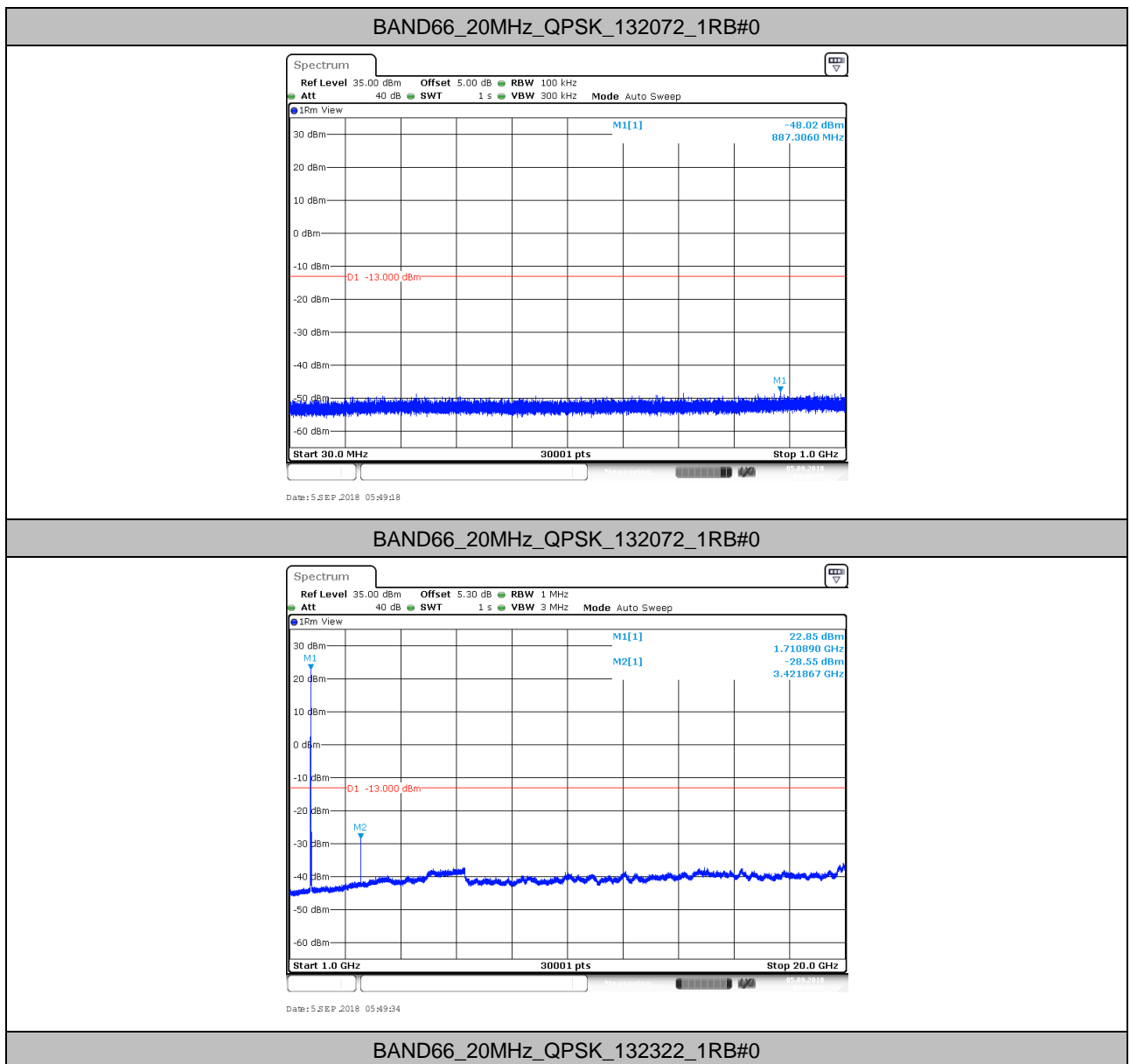


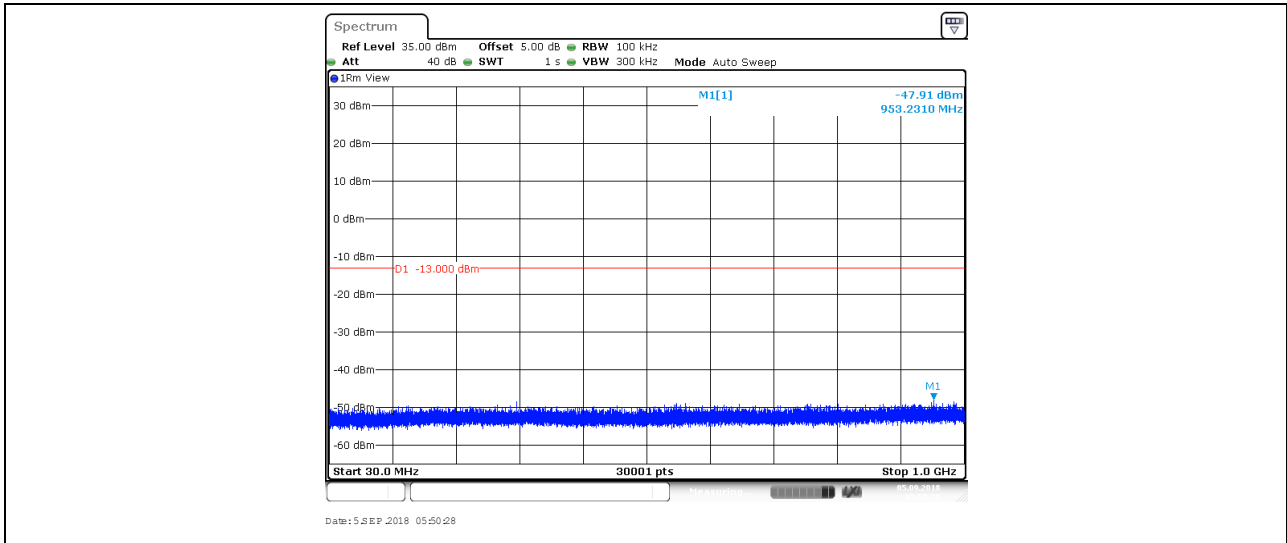


## 6. Spurious Emission at Antenna Terminal

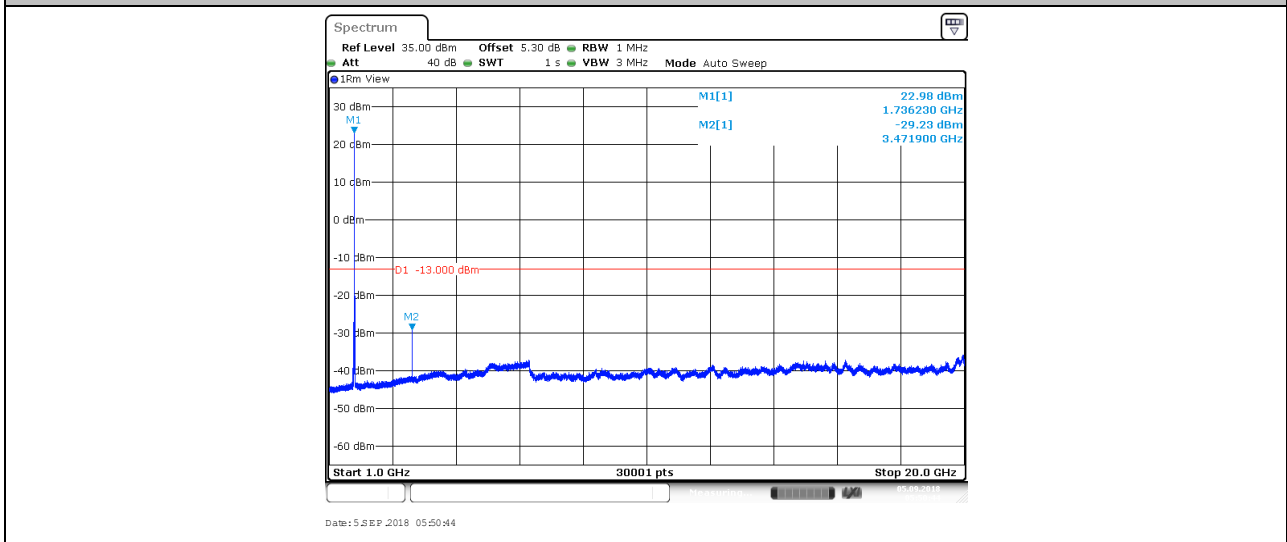
NOTE: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of  $< RBW/2$  so that narrowBAND signals are not lost between frequency bins. As to the present test item, the "Measurement Points = 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

### 6.1. Test Plots

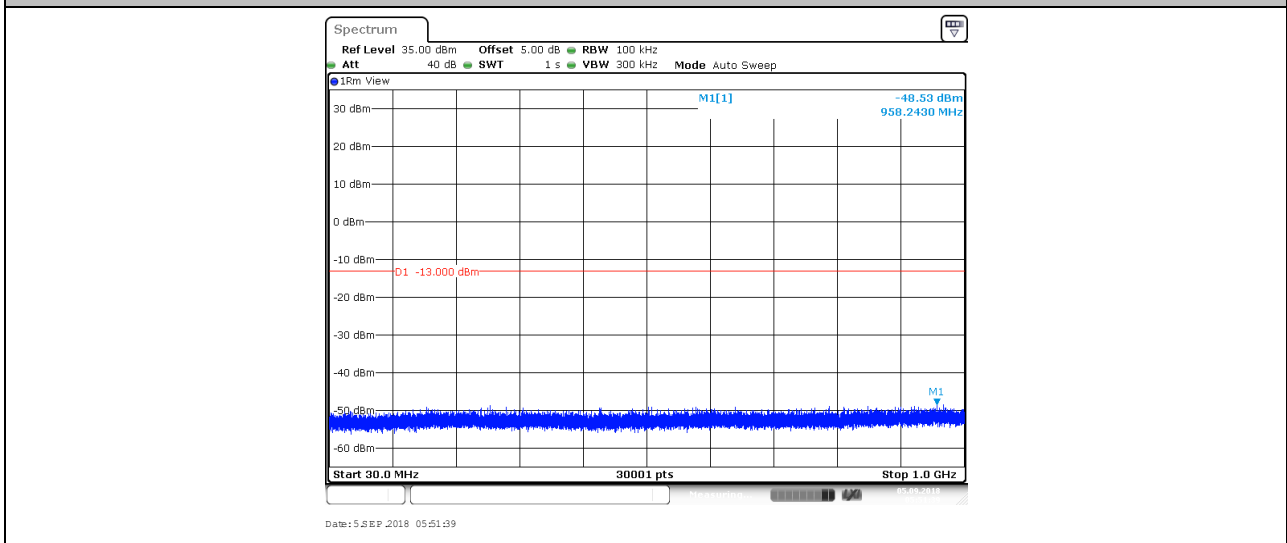




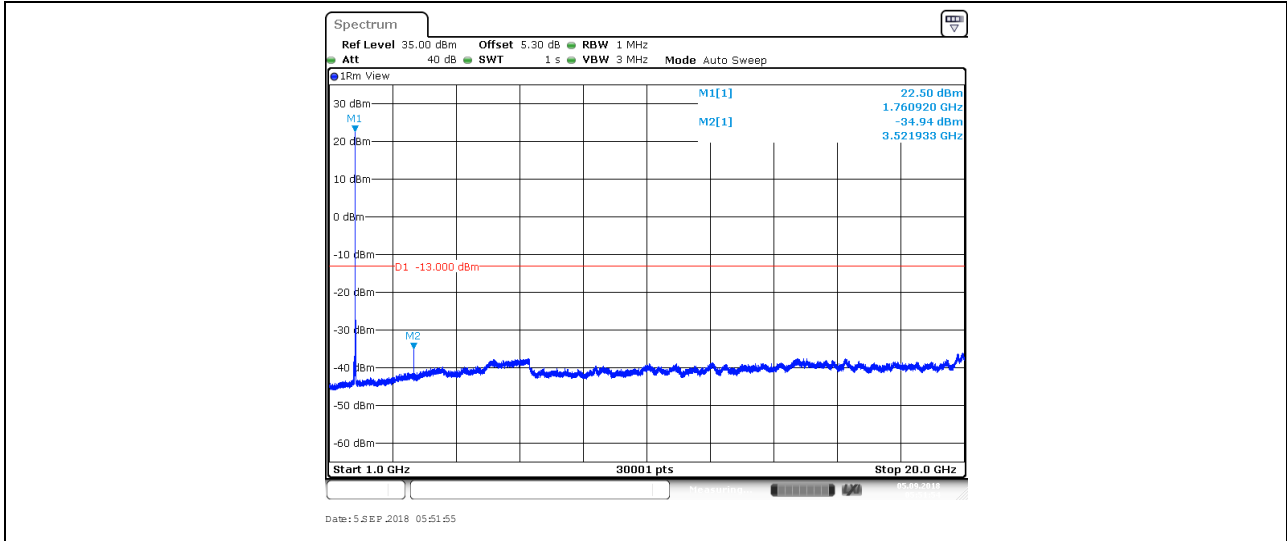
BAND66\_20MHz\_QPSK\_132322\_1RB#0



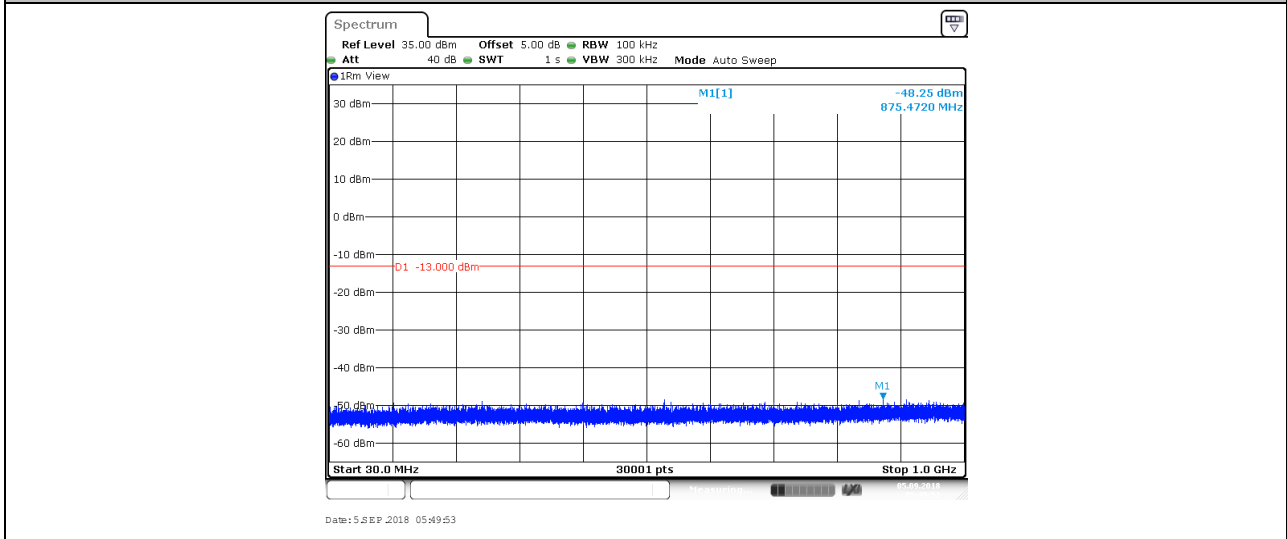
BAND66\_20MHz\_QPSK\_132572\_1RB#0



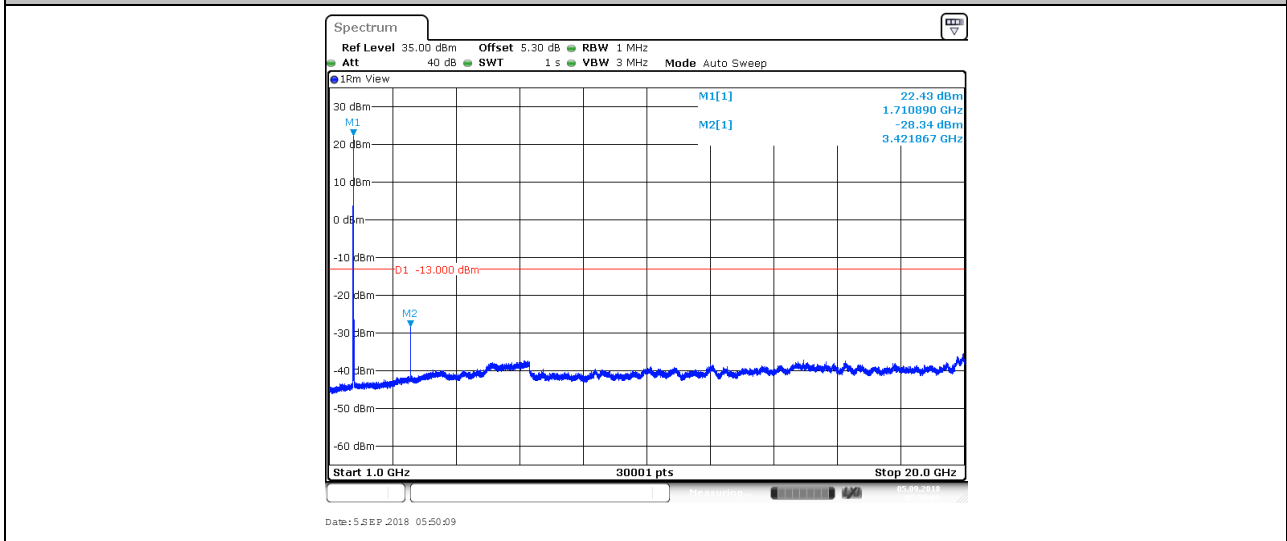
BAND66\_20MHz\_QPSK\_132572\_1RB#0



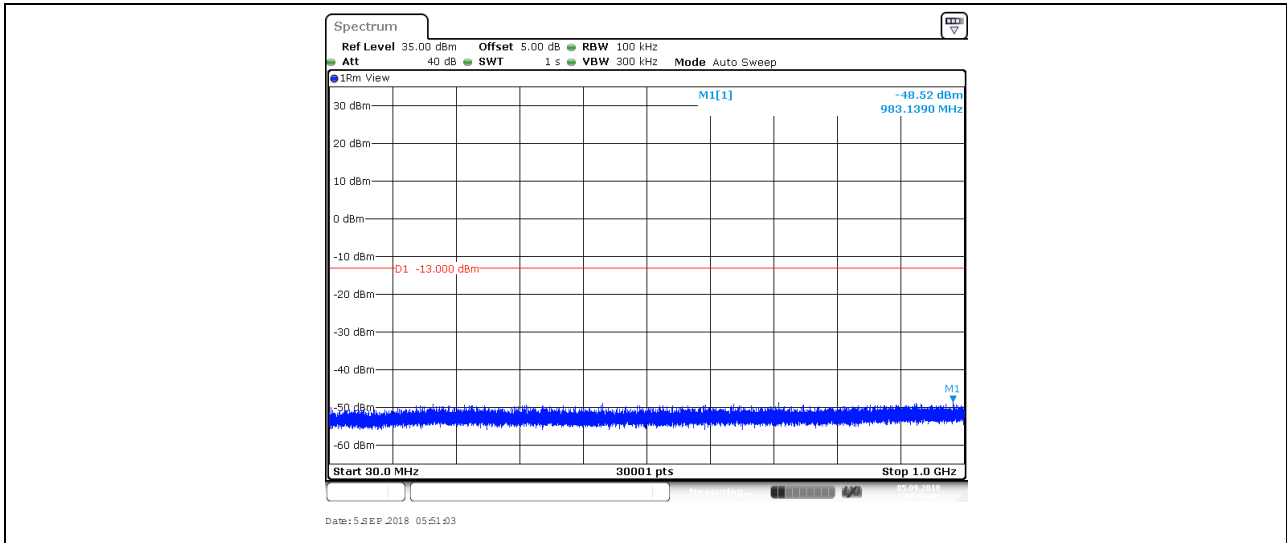
BAND66\_20MHz\_16QAM\_132072\_1RB#0



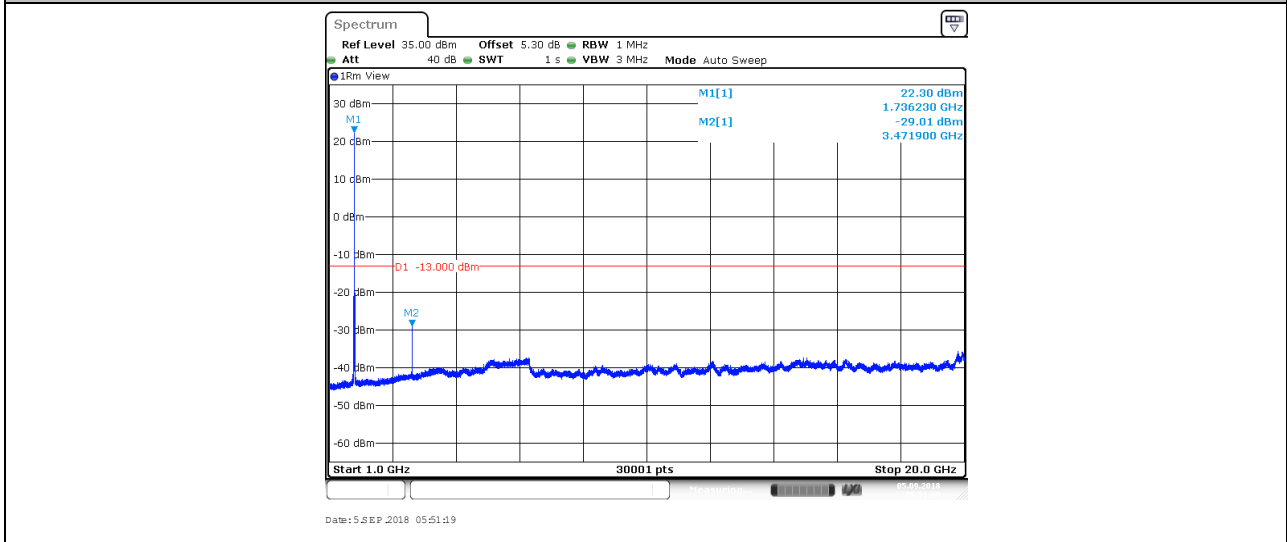
BAND66\_20MHz\_16QAM\_132072\_1RB#0



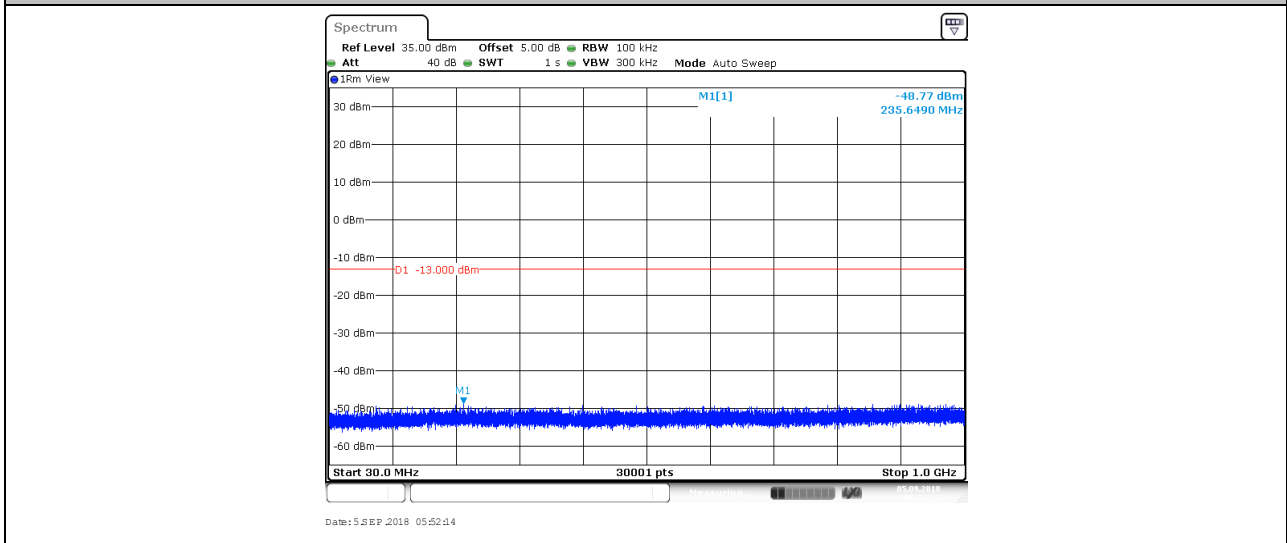
BAND66\_20MHz\_16QAM\_132322\_1RB#0



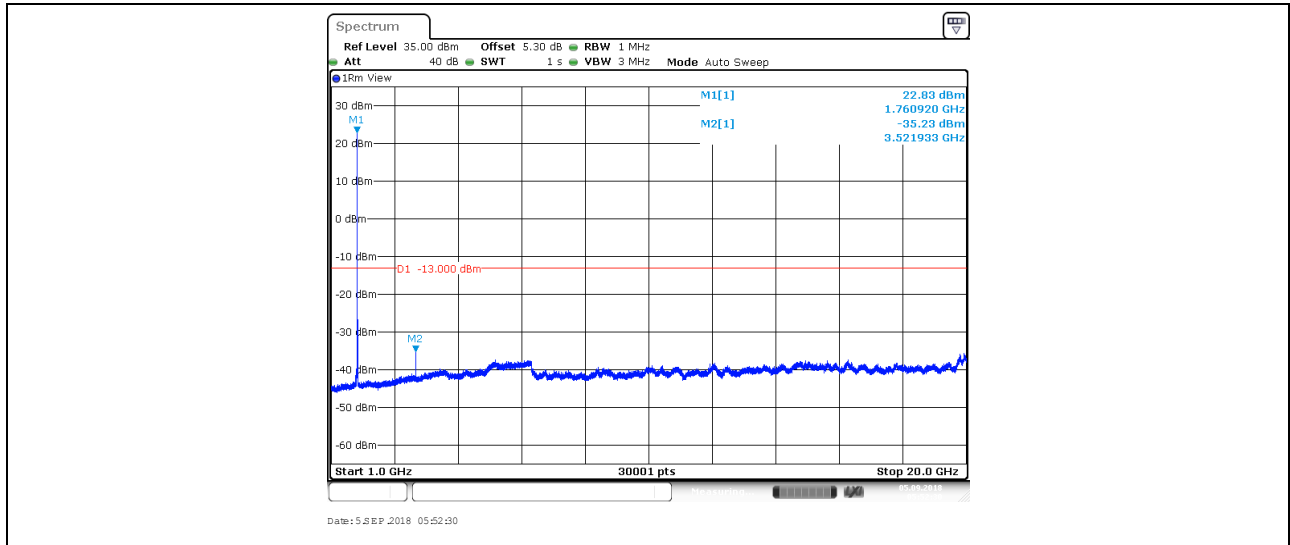
BAND66\_20MHz\_16QAM\_132322\_1RB#0



BAND66\_20MHz\_16QAM\_132572\_1RB#0



BAND66\_20MHz\_16QAM\_132572\_1RB#0





## 7. Field Strength of Spurious Radiation

### 7.1. Test BAND = LTE BAND 66

#### 7.1.1. Test Mode = LTE/TM1 20MHz

##### 7.1.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
64.300000	-81.88	-13.00	68.88	Vertical
125.000000	-85.83	-13.00	72.83	Vertical
790.404167	-80.51	-13.00	67.51	Vertical
3422.175000	-47.97	-13.00	34.97	Vertical
5132.975000	-65.42	-13.00	52.42	Vertical
7935.125000	-64.11	-13.00	51.11	Vertical
63.100000	-77.91	-13.00	64.91	Horizontal
434.100000	-81.73	-13.00	68.73	Horizontal
789.945833	-80.89	-13.00	67.89	Horizontal
3421.850000	-55.00	-13.00	42.00	Horizontal
5947.100000	-65.91	-13.00	52.91	Horizontal
7911.400000	-64.25	-13.00	51.25	Horizontal

##### 7.1.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
65.400000	-81.16	-13.00	68.16	Vertical
89.700000	-80.85	-13.00	67.85	Vertical
3471.900000	-47.31	-13.00	34.31	Vertical
5208.375000	-60.01	-13.00	47.01	Vertical
8680.350000	-61.72	-13.00	48.72	Vertical
10416.825000	-58.19	-13.00	45.19	Vertical
63.200000	-78.61	-13.00	65.61	Horizontal
170.400000	-89.20	-13.00	76.20	Horizontal
788.066667	-80.40	-13.00	67.40	Horizontal
3472.000000	-47.10	-13.00	34.10	Horizontal
5048.000000	-66.66	-13.00	53.66	Horizontal
10416.500000	-60.11	-13.00	47.11	Horizontal





### 7.1.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
65.600000	-81.22	-13.00	68.22	Vertical
125.000000	-85.89	-13.00	72.89	Vertical
3521.950000	-52.88	-13.00	39.88	Vertical
5283.450000	-66.30	-13.00	53.30	Vertical
8805.150000	-62.13	-13.00	49.13	Vertical
10566.650000	-57.01	-13.00	44.01	Vertical
63.350000	-77.91	-13.00	64.91	Horizontal
104.300000	-88.65	-13.00	75.65	Horizontal
785.545833	-81.17	-13.00	68.17	Horizontal
3521.950000	-53.95	-13.00	40.95	Horizontal
5283.125000	-66.15	-13.00	53.15	Horizontal
7914.325000	-64.00	-13.00	51.00	Horizontal

**NOTE:**

- 1) All modes are tested, but the data presented above is the worst case. the disturbance above 12.75GHz 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
BAND66	20MHz	QPSK	132072	100RB#0	VL	NT	-3.40	-0.001977	±2.5	PASS
BAND66	20MHz	QPSK	132072	100RB#0	VN	NT	-1.60	-0.000930	±2.5	PASS
BAND66	20MHz	QPSK	132072	100RB#0	VH	NT	-10.10	-0.005872	±2.5	PASS
BAND66	20MHz	QPSK	132322	100RB#0	VL	NT	-11.80	-0.006762	±2.5	PASS
BAND66	20MHz	QPSK	132322	100RB#0	VN	NT	-8.40	-0.004814	±2.5	PASS
BAND66	20MHz	QPSK	132322	100RB#0	VH	NT	0.60	0.000344	±2.5	PASS
BAND66	20MHz	QPSK	132572	100RB#0	VL	NT	-3.40	-0.001921	±2.5	PASS
BAND66	20MHz	QPSK	132572	100RB#0	VN	NT	-2.30	-0.001299	±2.5	PASS
BAND66	20MHz	QPSK	132572	100RB#0	VH	NT	-8.80	-0.004972	±2.5	PASS
BAND66	20MHz	16QAM	132072	100RB#0	VL	NT	-11.00	-0.006395	±2.5	PASS
BAND66	20MHz	16QAM	132072	100RB#0	VN	NT	-2.10	-0.001221	±2.5	PASS
BAND66	20MHz	16QAM	132072	100RB#0	VH	NT	-6.10	-0.003547	±2.5	PASS
BAND66	20MHz	16QAM	132322	100RB#0	VL	NT	-7.30	-0.004183	±2.5	PASS
BAND66	20MHz	16QAM	132322	100RB#0	VN	NT	-9.20	-0.005272	±2.5	PASS
BAND66	20MHz	16QAM	132322	100RB#0	VH	NT	-5.80	-0.003324	±2.5	PASS
BAND66	20MHz	16QAM	132572	100RB#0	VL	NT	1.90	0.001073	±2.5	PASS
BAND66	20MHz	16QAM	132572	100RB#0	VN	NT	-5.50	-0.003107	±2.5	PASS
BAND66	20MHz	16QAM	132572	100RB#0	VH	NT	-2.70	-0.001525	±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
BAND66	20MHz	QPSK	132072	100RB#0	NV	-30	-8.40	-0.004884	±2.5	PASS
BAND66	20MHz	QPSK	132072	100RB#0	NV	-20	-1.00	-0.000581	±2.5	PASS
BAND66	20MHz	QPSK	132072	100RB#0	NV	0	-12.40	-0.007209	±2.5	PASS
BAND66	20MHz	QPSK	132072	100RB#0	NV	10	-10.00	-0.005814	±2.5	PASS
BAND66	20MHz	QPSK	132072	100RB#0	NV	20	-6.80	-0.003953	±2.5	PASS
BAND66	20MHz	QPSK	132322	100RB#0	NV	-30	-12.30	-0.007049	±2.5	PASS
BAND66	20MHz	QPSK	132322	100RB#0	NV	-20	-0.30	-0.000172	±2.5	PASS
BAND66	20MHz	QPSK	132322	100RB#0	NV	0	-4.40	-0.002521	±2.5	PASS
BAND66	20MHz	QPSK	132322	100RB#0	NV	10	-4.80	-0.002751	±2.5	PASS
BAND66	20MHz	QPSK	132322	100RB#0	NV	20	-7.60	-0.004355	±2.5	PASS
BAND66	20MHz	QPSK	132572	100RB#0	NV	-30	-4.10	-0.002316	±2.5	PASS
BAND66	20MHz	QPSK	132572	100RB#0	NV	-20	-10.40	-0.005876	±2.5	PASS
BAND66	20MHz	QPSK	132572	100RB#0	NV	0	-9.50	-0.005367	±2.5	PASS
BAND66	20MHz	QPSK	132572	100RB#0	NV	10	-8.80	-0.004972	±2.5	PASS
BAND66	20MHz	QPSK	132572	100RB#0	NV	20	-1.60	-0.000904	±2.5	PASS
BAND66	20MHz	16QAM	132072	100RB#0	NV	-30	-11.70	-0.006802	±2.5	PASS
BAND66	20MHz	16QAM	132072	100RB#0	NV	-20	-9.90	-0.005756	±2.5	PASS
BAND66	20MHz	16QAM	132072	100RB#0	NV	0	-4.30	-0.002500	±2.5	PASS



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BAND66	20MHz	16QAM	132072	100RB#0	NV	10	-10.40	-0.006047	±2.5	PASS
BAND66	20MHz	16QAM	132072	100RB#0	NV	20	-6.90	-0.004012	±2.5	PASS
BAND66	20MHz	16QAM	132322	100RB#0	NV	-30	2.50	0.001433	±2.5	PASS
BAND66	20MHz	16QAM	132322	100RB#0	NV	-20	-5.40	-0.003095	±2.5	PASS
BAND66	20MHz	16QAM	132322	100RB#0	NV	0	1.20	0.000688	±2.5	PASS
BAND66	20MHz	16QAM	132322	100RB#0	NV	10	-14.30	-0.008195	±2.5	PASS
BAND66	20MHz	16QAM	132322	100RB#0	NV	20	0.90	0.000516	±2.5	PASS
BAND66	20MHz	16QAM	132572	100RB#0	NV	-30	-11.40	-0.006441	±2.5	PASS
BAND66	20MHz	16QAM	132572	100RB#0	NV	-20	1.00	0.000565	±2.5	PASS
BAND66	20MHz	16QAM	132572	100RB#0	NV	0	-9.20	-0.005198	±2.5	PASS
BAND66	20MHz	16QAM	132572	100RB#0	NV	10	-7.00	-0.003955	±2.5	PASS
BAND66	20MHz	16QAM	132572	100RB#0	NV	20	-8.10	-0.004576	±2.5	PASS

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The End