



# Appendix B

## E-UTRA BAND 7



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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
BAND 7	5MHz	QPSK	20775	1RB#0	23.08	25.08	33.00	PASS
BAND 7	5MHz	QPSK	20775	1RB#12	22.58	24.58	33.00	PASS
BAND 7	5MHz	QPSK	20775	1RB#24	22.63	24.63	33.00	PASS
BAND 7	5MHz	QPSK	20775	12RB#0	21.66	23.66	33.00	PASS
BAND 7	5MHz	QPSK	20775	12RB#6	21.71	23.71	33.00	PASS
BAND 7	5MHz	QPSK	20775	12RB#13	21.61	23.61	33.00	PASS
BAND 7	5MHz	QPSK	20775	25RB#0	21.62	23.62	33.00	PASS
BAND 7	5MHz	QPSK	21100	1RB#0	22.59	24.59	33.00	PASS
BAND 7	5MHz	QPSK	21100	1RB#12	22.73	24.73	33.00	PASS
BAND 7	5MHz	QPSK	21100	1RB#24	22.68	24.68	33.00	PASS
BAND 7	5MHz	QPSK	21100	12RB#0	21.91	23.91	33.00	PASS
BAND 7	5MHz	QPSK	21100	12RB#6	22.02	24.02	33.00	PASS
BAND 7	5MHz	QPSK	21100	12RB#13	21.73	23.73	33.00	PASS
BAND 7	5MHz	QPSK	21100	25RB#0	21.76	23.76	33.00	PASS
BAND 7	5MHz	QPSK	21425	1RB#0	22.44	24.44	33.00	PASS
BAND 7	5MHz	QPSK	21425	1RB#12	21.92	23.92	33.00	PASS
BAND 7	5MHz	QPSK	21425	1RB#24	21.37	23.37	33.00	PASS
BAND 7	5MHz	QPSK	21425	12RB#0	21.95	23.95	33.00	PASS
BAND 7	5MHz	QPSK	21425	12RB#6	21.82	23.82	33.00	PASS
BAND 7	5MHz	QPSK	21425	12RB#13	21.67	23.67	33.00	PASS
BAND 7	5MHz	QPSK	21425	25RB#0	21.82	23.82	33.00	PASS
BAND 7	5MHz	64QAM	20775	1RB#0	21.86	23.86	33.00	PASS
BAND 7	5MHz	64QAM	20775	1RB#12	21.77	23.77	33.00	PASS
BAND 7	5MHz	64QAM	20775	1RB#24	21.60	23.60	33.00	PASS
BAND 7	5MHz	64QAM	20775	12RB#0	20.75	22.75	33.00	PASS
BAND 7	5MHz	64QAM	20775	12RB#6	20.79	22.79	33.00	PASS
BAND 7	5MHz	64QAM	20775	12RB#13	20.56	22.56	33.00	PASS
BAND 7	5MHz	64QAM	20775	25RB#0	20.54	22.54	33.00	PASS
BAND 7	5MHz	64QAM	21100	1RB#0	21.89	23.89	33.00	PASS
BAND 7	5MHz	64QAM	21100	1RB#12	22.14	24.14	33.00	PASS
BAND 7	5MHz	64QAM	21100	1RB#24	21.71	23.71	33.00	PASS
BAND 7	5MHz	64QAM	21100	12RB#0	21.04	23.04	33.00	PASS
BAND 7	5MHz	64QAM	21100	12RB#6	20.74	22.74	33.00	PASS



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BAND 7	5MHz	64QAM	21100	12RB#13	21.01	23.01	33.00	PASS
BAND 7	5MHz	64QAM	21100	25RB#0	20.93	22.93	33.00	PASS
BAND 7	5MHz	64QAM	21425	1RB#0	22.06	24.06	33.00	PASS
BAND 7	5MHz	64QAM	21425	1RB#12	21.78	23.78	33.00	PASS
BAND 7	5MHz	64QAM	21425	1RB#24	21.15	23.15	33.00	PASS
BAND 7	5MHz	64QAM	21425	12RB#0	20.90	22.90	33.00	PASS
BAND 7	5MHz	64QAM	21425	12RB#6	20.86	22.86	33.00	PASS
BAND 7	5MHz	64QAM	21425	12RB#13	20.99	22.99	33.00	PASS
BAND 7	5MHz	64QAM	21425	25RB#0	20.92	22.92	33.00	PASS
BAND 7	5MHz	16QAM	20775	1RB#0	22.09	24.09	33.00	PASS
BAND 7	5MHz	16QAM	20775	1RB#12	21.98	23.98	33.00	PASS
BAND 7	5MHz	16QAM	20775	1RB#24	21.82	23.82	33.00	PASS
BAND 7	5MHz	16QAM	20775	12RB#0	20.66	22.66	33.00	PASS
BAND 7	5MHz	16QAM	20775	12RB#6	20.79	22.79	33.00	PASS
BAND 7	5MHz	16QAM	20775	12RB#13	20.64	22.64	33.00	PASS
BAND 7	5MHz	16QAM	20775	25RB#0	20.62	22.62	33.00	PASS
BAND 7	5MHz	16QAM	21100	1RB#0	21.93	23.93	33.00	PASS
BAND 7	5MHz	16QAM	21100	1RB#12	21.82	23.82	33.00	PASS
BAND 7	5MHz	16QAM	21100	1RB#24	21.84	23.84	33.00	PASS
BAND 7	5MHz	16QAM	21100	12RB#0	21.29	23.29	33.00	PASS
BAND 7	5MHz	16QAM	21100	12RB#6	21.23	23.23	33.00	PASS
BAND 7	5MHz	16QAM	21100	12RB#13	21.03	23.03	33.00	PASS
BAND 7	5MHz	16QAM	21100	25RB#0	21.11	23.11	33.00	PASS
BAND 7	5MHz	16QAM	21425	1RB#0	21.80	23.80	33.00	PASS
BAND 7	5MHz	16QAM	21425	1RB#12	21.23	23.23	33.00	PASS
BAND 7	5MHz	16QAM	21425	1RB#24	20.76	22.76	33.00	PASS
BAND 7	5MHz	16QAM	21425	12RB#0	20.92	22.92	33.00	PASS
BAND 7	5MHz	16QAM	21425	12RB#6	20.85	22.85	33.00	PASS
BAND 7	5MHz	16QAM	21425	12RB#13	20.82	22.82	33.00	PASS
BAND 7	5MHz	16QAM	21425	25RB#0	20.73	22.73	33.00	PASS
BAND 7	10MHz	QPSK	20800	1RB#0	22.60	24.60	33.00	PASS
BAND 7	10MHz	QPSK	20800	1RB#24	22.37	24.37	33.00	PASS
BAND 7	10MHz	QPSK	20800	1RB#49	22.58	24.58	33.00	PASS
BAND 7	10MHz	QPSK	20800	25RB#0	21.63	23.63	33.00	PASS
BAND 7	10MHz	QPSK	20800	25RB#12	21.56	23.56	33.00	PASS
BAND 7	10MHz	QPSK	20800	25RB#25	21.50	23.50	33.00	PASS
BAND 7	10MHz	QPSK	20800	50RB#0	21.55	23.55	33.00	PASS
BAND 7	10MHz	QPSK	21100	1RB#0	22.53	24.53	33.00	PASS
BAND 7	10MHz	QPSK	21100	1RB#24	22.55	24.55	33.00	PASS
BAND 7	10MHz	QPSK	21100	1RB#49	22.42	24.42	33.00	PASS
BAND 7	10MHz	QPSK	21100	25RB#0	21.53	23.53	33.00	PASS

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BAND 7	10MHz	QPSK	21100	25RB#12	21.52	23.52	33.00	PASS
BAND 7	10MHz	QPSK	21100	25RB#25	21.51	23.51	33.00	PASS
BAND 7	10MHz	QPSK	21100	50RB#0	21.50	23.50	33.00	PASS
BAND 7	10MHz	QPSK	21400	1RB#0	22.70	24.70	33.00	PASS
BAND 7	10MHz	QPSK	21400	1RB#24	22.46	24.46	33.00	PASS
BAND 7	10MHz	QPSK	21400	1RB#49	21.15	23.15	33.00	PASS
BAND 7	10MHz	QPSK	21400	25RB#0	22.12	24.12	33.00	PASS
BAND 7	10MHz	QPSK	21400	25RB#12	21.78	23.78	33.00	PASS
BAND 7	10MHz	QPSK	21400	25RB#25	21.74	23.74	33.00	PASS
BAND 7	10MHz	QPSK	21400	50RB#0	21.93	23.93	33.00	PASS
BAND 7	10MHz	64QAM	20800	1RB#0	22.09	24.09	33.00	PASS
BAND 7	10MHz	64QAM	20800	1RB#24	21.43	23.43	33.00	PASS
BAND 7	10MHz	64QAM	20800	1RB#49	21.71	23.71	33.00	PASS
BAND 7	10MHz	64QAM	20800	25RB#0	20.57	22.57	33.00	PASS
BAND 7	10MHz	64QAM	20800	25RB#12	20.62	22.62	33.00	PASS
BAND 7	10MHz	64QAM	20800	25RB#25	20.59	22.59	33.00	PASS
BAND 7	10MHz	64QAM	20800	50RB#0	20.58	22.58	33.00	PASS
BAND 7	10MHz	64QAM	21100	1RB#0	21.99	23.99	33.00	PASS
BAND 7	10MHz	64QAM	21100	1RB#24	21.68	23.68	33.00	PASS
BAND 7	10MHz	64QAM	21100	1RB#49	21.59	23.59	33.00	PASS
BAND 7	10MHz	64QAM	21100	25RB#0	20.90	22.90	33.00	PASS
BAND 7	10MHz	64QAM	21100	25RB#12	20.85	22.85	33.00	PASS
BAND 7	10MHz	64QAM	21100	25RB#25	20.86	22.86	33.00	PASS
BAND 7	10MHz	64QAM	21100	50RB#0	20.83	22.83	33.00	PASS
BAND 7	10MHz	64QAM	21400	1RB#0	22.19	24.19	33.00	PASS
BAND 7	10MHz	64QAM	21400	1RB#24	21.91	23.91	33.00	PASS
BAND 7	10MHz	64QAM	21400	1RB#49	20.96	22.96	33.00	PASS
BAND 7	10MHz	64QAM	21400	25RB#0	20.99	22.99	33.00	PASS
BAND 7	10MHz	64QAM	21400	25RB#12	21.01	23.01	33.00	PASS
BAND 7	10MHz	64QAM	21400	25RB#25	20.75	22.75	33.00	PASS
BAND 7	10MHz	64QAM	21400	50RB#0	21.30	23.30	33.00	PASS
BAND 7	10MHz	16QAM	20800	1RB#0	22.01	24.01	33.00	PASS
BAND 7	10MHz	16QAM	20800	1RB#24	21.63	23.63	33.00	PASS
BAND 7	10MHz	16QAM	20800	1RB#49	21.72	23.72	33.00	PASS
BAND 7	10MHz	16QAM	20800	25RB#0	20.50	22.50	33.00	PASS
BAND 7	10MHz	16QAM	20800	25RB#12	20.51	22.51	33.00	PASS
BAND 7	10MHz	16QAM	20800	25RB#25	20.45	22.45	33.00	PASS
BAND 7	10MHz	16QAM	20800	50RB#0	20.54	22.54	33.00	PASS
BAND 7	10MHz	16QAM	21100	1RB#0	21.85	23.85	33.00	PASS
BAND 7	10MHz	16QAM	21100	1RB#24	21.79	23.79	33.00	PASS
BAND 7	10MHz	16QAM	21100	1RB#49	21.85	23.85	33.00	PASS

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BAND 7	10MHz	16QAM	21100	25RB#0	21.18	23.18	33.00	PASS
BAND 7	10MHz	16QAM	21100	25RB#12	20.88	22.88	33.00	PASS
BAND 7	10MHz	16QAM	21100	25RB#25	20.63	22.63	33.00	PASS
BAND 7	10MHz	16QAM	21100	50RB#0	21.09	23.09	33.00	PASS
BAND 7	10MHz	16QAM	21400	1RB#0	22.00	24.00	33.00	PASS
BAND 7	10MHz	16QAM	21400	1RB#24	21.88	23.88	33.00	PASS
BAND 7	10MHz	16QAM	21400	1RB#49	20.53	22.53	33.00	PASS
BAND 7	10MHz	16QAM	21400	25RB#0	20.75	22.75	33.00	PASS
BAND 7	10MHz	16QAM	21400	25RB#12	21.07	23.07	33.00	PASS
BAND 7	10MHz	16QAM	21400	25RB#25	20.71	22.71	33.00	PASS
BAND 7	10MHz	16QAM	21400	50RB#0	21.01	23.01	33.00	PASS
BAND 7	15MHz	QPSK	20825	1RB#0	21.43	23.43	33.00	PASS
BAND 7	15MHz	QPSK	20825	1RB#38	22.64	24.64	33.00	PASS
BAND 7	15MHz	QPSK	20825	1RB#74	23.47	25.47	33.00	PASS
BAND 7	15MHz	QPSK	20825	36RB#0	21.57	23.57	33.00	PASS
BAND 7	15MHz	QPSK	20825	36RB#18	21.50	23.50	33.00	PASS
BAND 7	15MHz	QPSK	20825	36RB#39	21.68	23.68	33.00	PASS
BAND 7	15MHz	QPSK	20825	75RB#0	21.68	23.68	33.00	PASS
BAND 7	15MHz	QPSK	21100	1RB#0	21.74	23.74	33.00	PASS
BAND 7	15MHz	QPSK	21100	1RB#38	22.64	24.64	33.00	PASS
BAND 7	15MHz	QPSK	21100	1RB#74	21.22	23.22	33.00	PASS
BAND 7	15MHz	QPSK	21100	36RB#0	21.80	23.80	33.00	PASS
BAND 7	15MHz	QPSK	21100	36RB#18	21.90	23.90	33.00	PASS
BAND 7	15MHz	QPSK	21100	36RB#39	21.83	23.83	33.00	PASS
BAND 7	15MHz	QPSK	21100	75RB#0	21.87	23.87	33.00	PASS
BAND 7	15MHz	QPSK	21375	1RB#0	23.06	25.06	33.00	PASS
BAND 7	15MHz	QPSK	21375	1RB#38	22.58	24.58	33.00	PASS
BAND 7	15MHz	QPSK	21375	1RB#74	22.34	24.34	33.00	PASS
BAND 7	15MHz	QPSK	21375	36RB#0	21.95	23.95	33.00	PASS
BAND 7	15MHz	QPSK	21375	36RB#18	21.81	23.81	33.00	PASS
BAND 7	15MHz	QPSK	21375	36RB#39	21.66	23.66	33.00	PASS
BAND 7	15MHz	QPSK	21375	75RB#0	21.85	23.85	33.00	PASS
BAND 7	15MHz	64QAM	20825	1RB#0	21.06	23.06	33.00	PASS
BAND 7	15MHz	64QAM	20825	1RB#38	23.41	25.41	33.00	PASS
BAND 7	15MHz	64QAM	20825	1RB#74	21.74	23.74	33.00	PASS
BAND 7	15MHz	64QAM	20825	36RB#0	20.63	22.63	33.00	PASS
BAND 7	15MHz	64QAM	20825	36RB#18	20.59	22.59	33.00	PASS
BAND 7	15MHz	64QAM	20825	36RB#39	20.63	22.63	33.00	PASS
BAND 7	15MHz	64QAM	20825	75RB#0	20.64	22.64	33.00	PASS
BAND 7	15MHz	64QAM	21100	1RB#0	21.39	23.39	33.00	PASS
BAND 7	15MHz	64QAM	21100	1RB#38	22.09	24.09	33.00	PASS

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BAND 7	15MHz	64QAM	21100	1RB#74	21.30	23.30	33.00	PASS
BAND 7	15MHz	64QAM	21100	36RB#0	20.84	22.84	33.00	PASS
BAND 7	15MHz	64QAM	21100	36RB#18	20.74	22.74	33.00	PASS
BAND 7	15MHz	64QAM	21100	36RB#39	20.63	22.63	33.00	PASS
BAND 7	15MHz	64QAM	21100	75RB#0	20.94	22.94	33.00	PASS
BAND 7	15MHz	64QAM	21375	1RB#0	22.30	24.30	33.00	PASS
BAND 7	15MHz	64QAM	21375	1RB#38	21.72	23.72	33.00	PASS
BAND 7	15MHz	64QAM	21375	1RB#74	21.56	23.56	33.00	PASS
BAND 7	15MHz	64QAM	21375	36RB#0	20.99	22.99	33.00	PASS
BAND 7	15MHz	64QAM	21375	36RB#18	20.79	22.79	33.00	PASS
BAND 7	15MHz	64QAM	21375	36RB#39	20.82	22.82	33.00	PASS
BAND 7	15MHz	64QAM	21375	75RB#0	20.96	22.96	33.00	PASS
BAND 7	15MHz	16QAM	20825	1RB#0	20.81	22.81	33.00	PASS
BAND 7	15MHz	16QAM	20825	1RB#38	21.54	23.54	33.00	PASS
BAND 7	15MHz	16QAM	20825	1RB#74	22.40	24.40	33.00	PASS
BAND 7	15MHz	16QAM	20825	36RB#0	20.46	22.46	33.00	PASS
BAND 7	15MHz	16QAM	20825	36RB#18	20.55	22.55	33.00	PASS
BAND 7	15MHz	16QAM	20825	36RB#39	20.63	22.63	33.00	PASS
BAND 7	15MHz	16QAM	20825	75RB#0	20.62	22.62	33.00	PASS
BAND 7	15MHz	16QAM	21100	1RB#0	21.22	23.22	33.00	PASS
BAND 7	15MHz	16QAM	21100	1RB#38	21.90	23.90	33.00	PASS
BAND 7	15MHz	16QAM	21100	1RB#74	20.70	22.70	33.00	PASS
BAND 7	15MHz	16QAM	21100	36RB#0	20.62	22.62	33.00	PASS
BAND 7	15MHz	16QAM	21100	36RB#18	20.63	22.63	33.00	PASS
BAND 7	15MHz	16QAM	21100	36RB#39	20.57	22.57	33.00	PASS
BAND 7	15MHz	16QAM	21100	75RB#0	20.63	22.63	33.00	PASS
BAND 7	15MHz	16QAM	21375	1RB#0	22.35	24.35	33.00	PASS
BAND 7	15MHz	16QAM	21375	1RB#38	21.84	23.84	33.00	PASS
BAND 7	15MHz	16QAM	21375	1RB#74	21.34	23.34	33.00	PASS
BAND 7	15MHz	16QAM	21375	36RB#0	20.93	22.93	33.00	PASS
BAND 7	15MHz	16QAM	21375	36RB#18	20.73	22.73	33.00	PASS
BAND 7	15MHz	16QAM	21375	36RB#39	20.76	22.76	33.00	PASS
BAND 7	15MHz	16QAM	21375	75RB#0	20.87	22.87	33.00	PASS
BAND 7	20MHz	QPSK	20850	1RB#0	21.43	23.43	33.00	PASS
BAND 7	20MHz	QPSK	20850	1RB#49	23.71	25.71	33.00	PASS
BAND 7	20MHz	QPSK	20850	1RB#99	22.97	24.97	33.00	PASS
BAND 7	20MHz	QPSK	20850	50RB#0	22.27	24.27	33.00	PASS
BAND 7	20MHz	QPSK	20850	50RB#25	21.66	23.66	33.00	PASS
BAND 7	20MHz	QPSK	20850	50RB#50	21.64	23.64	33.00	PASS
BAND 7	20MHz	QPSK	20850	100RB#0	22.58	24.58	33.00	PASS
BAND 7	20MHz	QPSK	21100	1RB#0	22.17	24.17	33.00	PASS

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BAND 7	20MHz	QPSK	21100	1RB#49	22.48	24.48	33.00	PASS
BAND 7	20MHz	QPSK	21100	1RB#99	21.48	23.48	33.00	PASS
BAND 7	20MHz	QPSK	21100	50RB#0	21.55	23.55	33.00	PASS
BAND 7	20MHz	QPSK	21100	50RB#25	21.83	23.83	33.00	PASS
BAND 7	20MHz	QPSK	21100	50RB#50	21.20	23.20	33.00	PASS
BAND 7	20MHz	QPSK	21100	100RB#0	21.39	23.39	33.00	PASS
BAND 7	20MHz	QPSK	21350	1RB#0	23.08	25.08	33.00	PASS
BAND 7	20MHz	QPSK	21350	1RB#49	22.40	24.40	33.00	PASS
BAND 7	20MHz	QPSK	21350	1RB#99	22.37	24.37	33.00	PASS
BAND 7	20MHz	QPSK	21350	50RB#0	22.33	24.33	33.00	PASS
BAND 7	20MHz	QPSK	21350	50RB#25	21.89	23.89	33.00	PASS
BAND 7	20MHz	QPSK	21350	50RB#50	21.80	23.80	33.00	PASS
BAND 7	20MHz	QPSK	21350	100RB#0	22.03	24.03	33.00	PASS
BAND 7	20MHz	64QAM	20850	1RB#0	21.02	23.02	33.00	PASS
BAND 7	20MHz	64QAM	20850	1RB#49	24.19	26.19	33.00	PASS
BAND 7	20MHz	64QAM	20850	1RB#99	22.75	24.75	33.00	PASS
BAND 7	20MHz	64QAM	20850	50RB#0	21.22	23.22	33.00	PASS
BAND 7	20MHz	64QAM	20850	50RB#25	20.65	22.65	33.00	PASS
BAND 7	20MHz	64QAM	20850	50RB#50	20.64	22.64	33.00	PASS
BAND 7	20MHz	64QAM	20850	100RB#0	20.76	22.76	33.00	PASS
BAND 7	20MHz	64QAM	21100	1RB#0	22.35	24.35	33.00	PASS
BAND 7	20MHz	64QAM	21100	1RB#49	22.34	24.34	33.00	PASS
BAND 7	20MHz	64QAM	21100	1RB#99	21.00	23.00	33.00	PASS
BAND 7	20MHz	64QAM	21100	50RB#0	20.99	22.99	33.00	PASS
BAND 7	20MHz	64QAM	21100	50RB#25	20.88	22.88	33.00	PASS
BAND 7	20MHz	64QAM	21100	50RB#50	20.76	22.76	33.00	PASS
BAND 7	20MHz	64QAM	21100	100RB#0	20.86	22.86	33.00	PASS
BAND 7	20MHz	64QAM	21350	1RB#0	22.48	24.48	33.00	PASS
BAND 7	20MHz	64QAM	21350	1RB#49	21.76	23.76	33.00	PASS
BAND 7	20MHz	64QAM	21350	1RB#99	22.31	24.31	33.00	PASS
BAND 7	20MHz	64QAM	21350	50RB#0	22.09	24.09	33.00	PASS
BAND 7	20MHz	64QAM	21350	50RB#25	20.94	22.94	33.00	PASS
BAND 7	20MHz	64QAM	21350	50RB#50	20.90	22.90	33.00	PASS
BAND 7	20MHz	64QAM	21350	100RB#0	21.42	23.42	33.00	PASS
BAND 7	20MHz	16QAM	20850	1RB#0	20.79	22.79	33.00	PASS
BAND 7	20MHz	16QAM	20850	1RB#49	21.67	23.67	33.00	PASS
BAND 7	20MHz	16QAM	20850	1RB#99	22.62	24.62	33.00	PASS
BAND 7	20MHz	16QAM	20850	50RB#0	21.02	23.02	33.00	PASS
BAND 7	20MHz	16QAM	20850	50RB#25	20.70	22.70	33.00	PASS
BAND 7	20MHz	16QAM	20850	50RB#50	20.61	22.61	33.00	PASS
BAND 7	20MHz	16QAM	20850	100RB#0	20.63	22.63	33.00	PASS

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BAND 7	20MHz	16QAM	21100	1RB#0	21.57	23.57	33.00	PASS
BAND 7	20MHz	16QAM	21100	1RB#49	21.93	23.93	33.00	PASS
BAND 7	20MHz	16QAM	21100	1RB#99	20.96	22.96	33.00	PASS
BAND 7	20MHz	16QAM	21100	50RB#0	20.74	22.74	33.00	PASS
BAND 7	20MHz	16QAM	21100	50RB#25	21.21	23.21	33.00	PASS
BAND 7	20MHz	16QAM	21100	50RB#50	20.43	22.43	33.00	PASS
BAND 7	20MHz	16QAM	21100	100RB#0	20.59	22.59	33.00	PASS
BAND 7	20MHz	16QAM	21350	1RB#0	22.45	24.45	33.00	PASS
BAND 7	20MHz	16QAM	21350	1RB#49	21.92	23.92	33.00	PASS
BAND 7	20MHz	16QAM	21350	1RB#99	22.22	24.22	33.00	PASS
BAND 7	20MHz	16QAM	21350	50RB#0	21.73	23.73	33.00	PASS
BAND 7	20MHz	16QAM	21350	50RB#25	20.88	22.88	33.00	PASS
BAND 7	20MHz	16QAM	21350	50RB#50	20.79	22.79	33.00	PASS
BAND 7	20MHz	16QAM	21350	100RB#0	21.10	23.10	33.00	PASS

Note:

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

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

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

b: SGP=Signal Generator Level

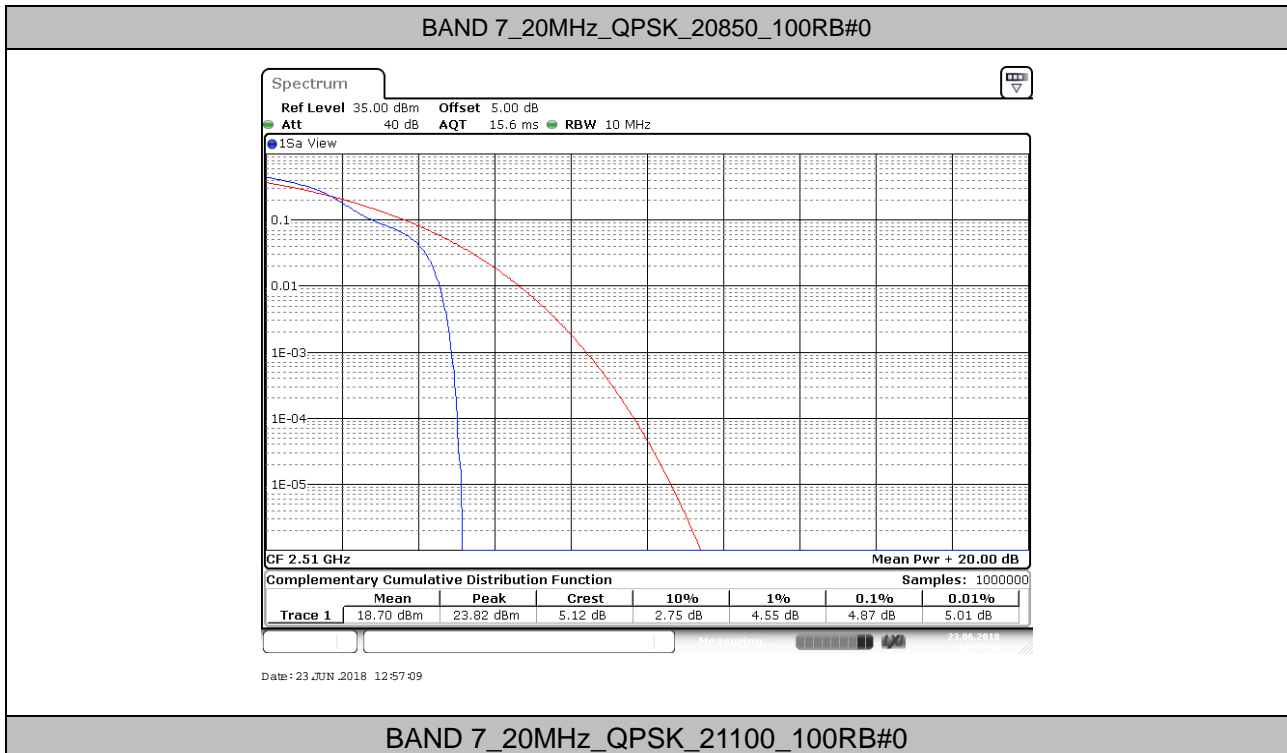


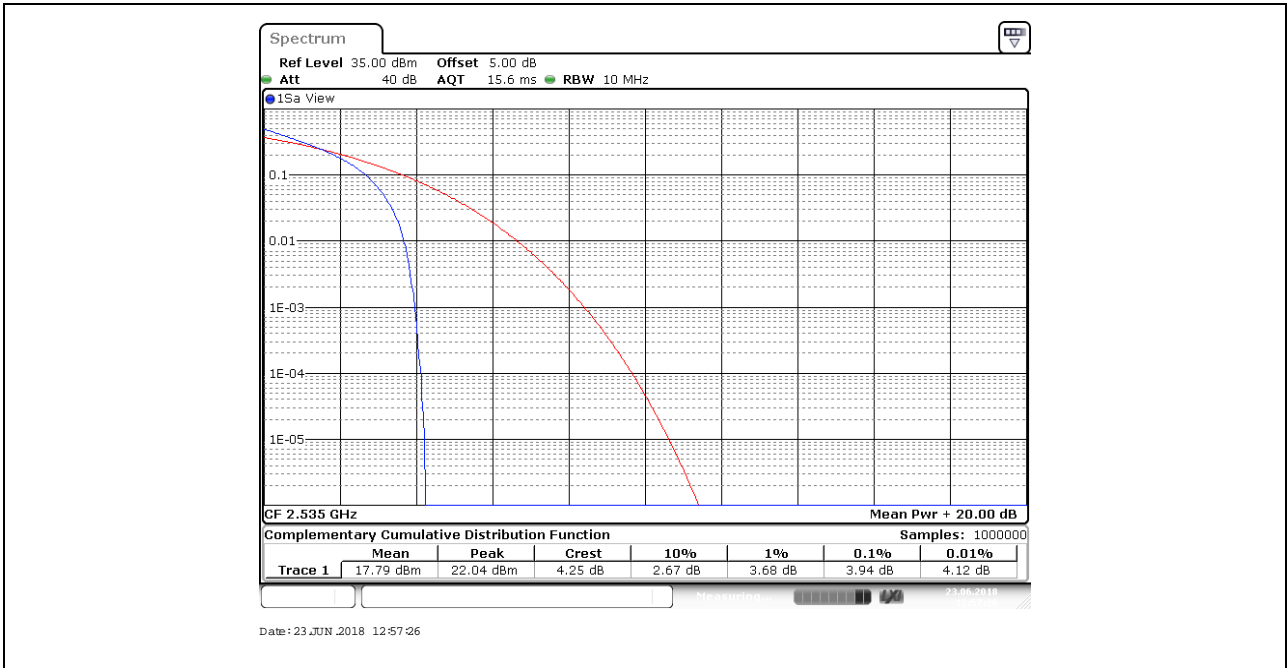
## 2. Peak-to-Average Ratio (CCDF)

### 2.1. Test Result

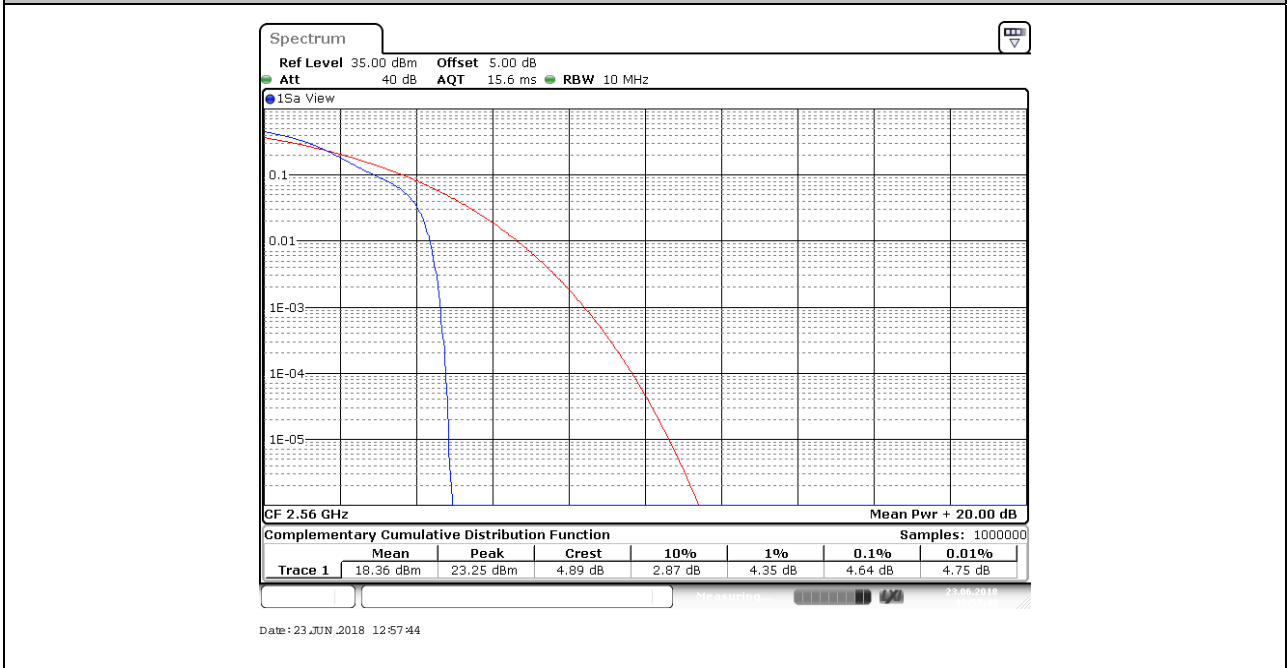
BAND	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
BAND 7	20MHz	QPSK	20850	100RB#0	4.87	13	PASS
BAND 7	20MHz	QPSK	21100	100RB#0	3.94	13	PASS
BAND 7	20MHz	QPSK	21350	100RB#0	4.64	13	PASS
BAND 7	20MHz	64QAM	20850	100RB#0	5.68	13	PASS
BAND 7	20MHz	64QAM	21100	100RB#0	6.58	13	PASS
BAND 7	20MHz	64QAM	21350	100RB#0	5.86	13	PASS
BAND 7	20MHz	16QAM	20850	100RB#0	5.68	13	PASS
BAND 7	20MHz	16QAM	21100	100RB#0	5.65	13	PASS
BAND 7	20MHz	16QAM	21350	100RB#0	5.88	13	PASS

### 2.2. Test Plots

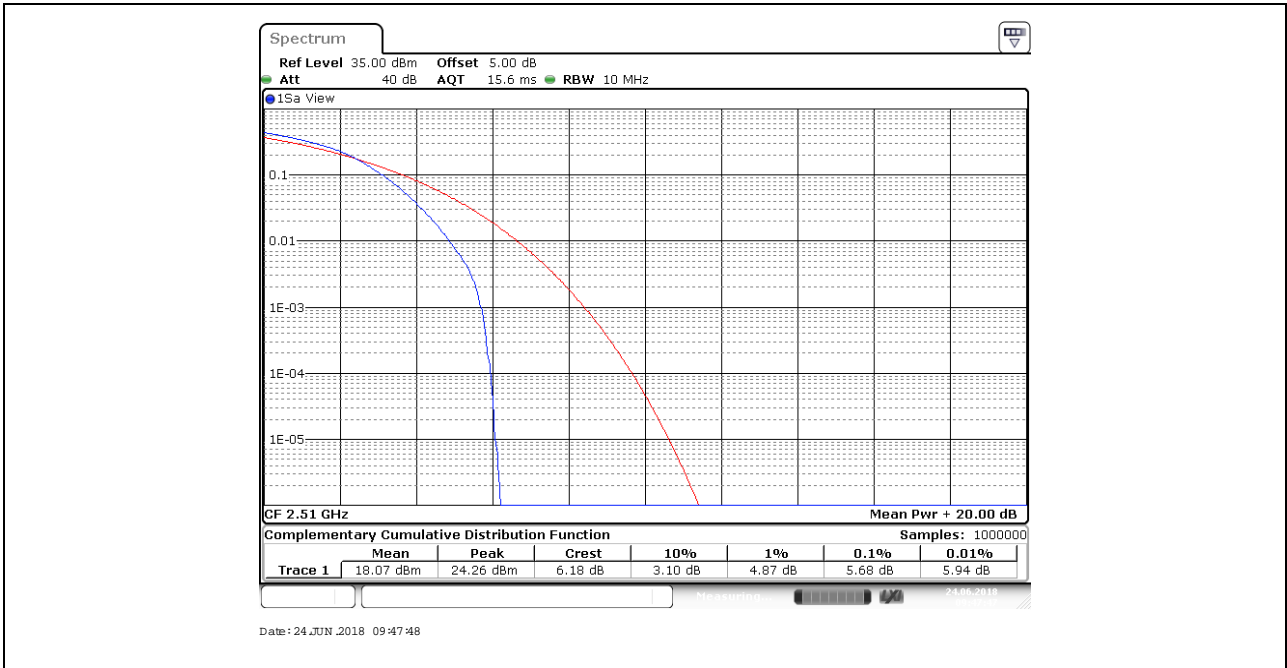




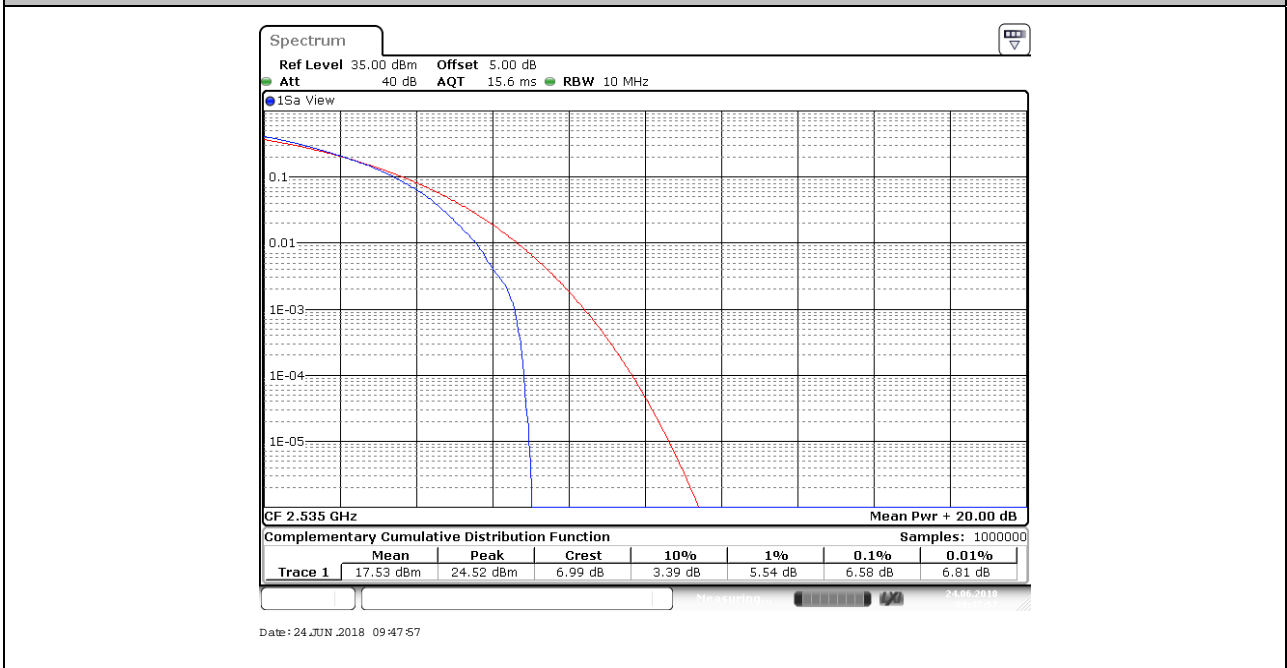
BAND 7\_20MHz\_QPSK\_21350\_100RB#0



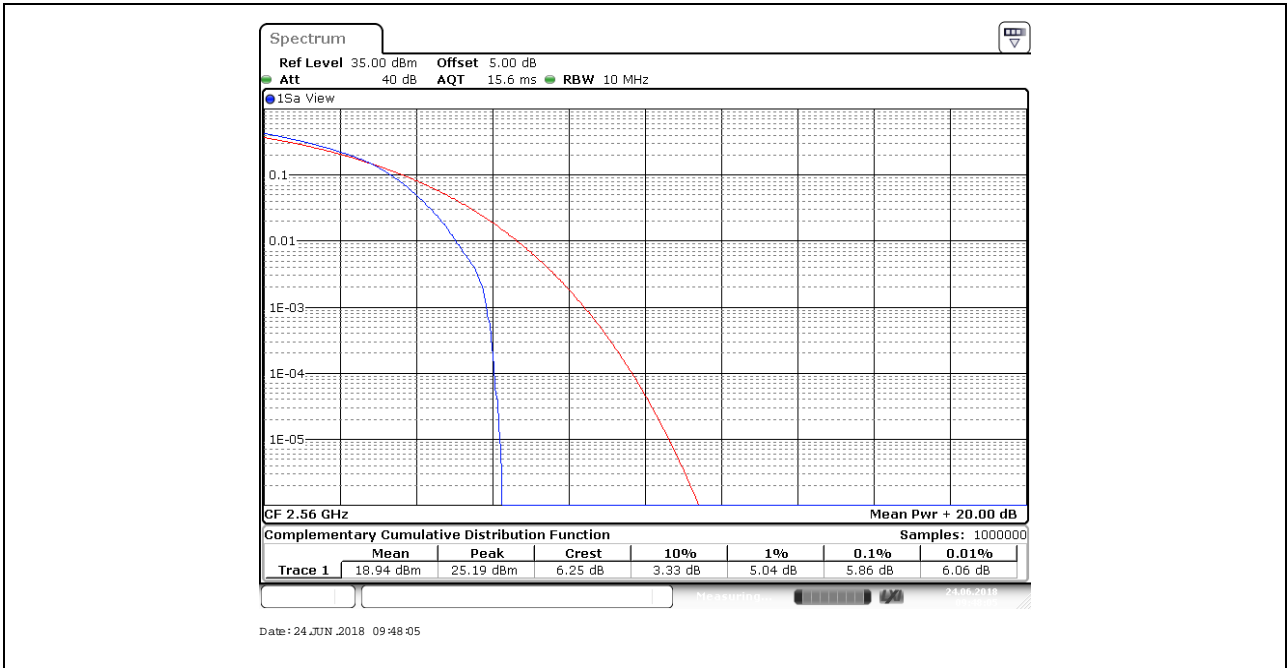
BAND 7\_20MHz\_64QAM\_20850\_100RB#0



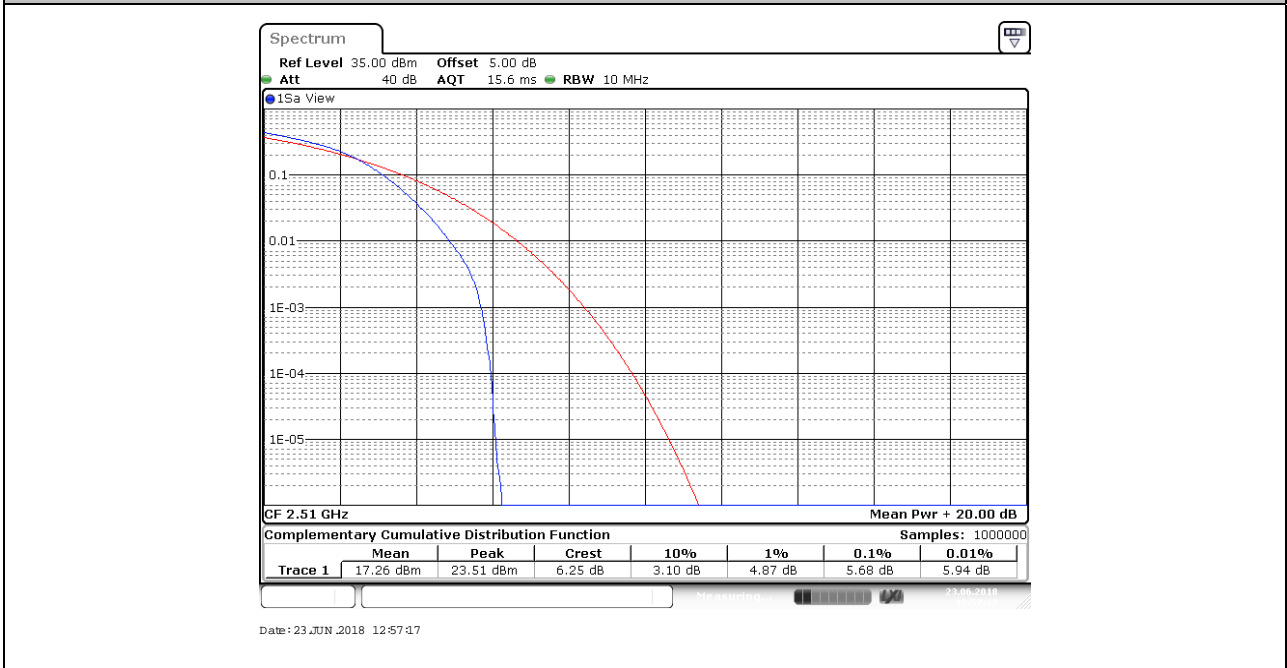
BAND 7\_20MHz\_64QAM\_21100\_100RB#0



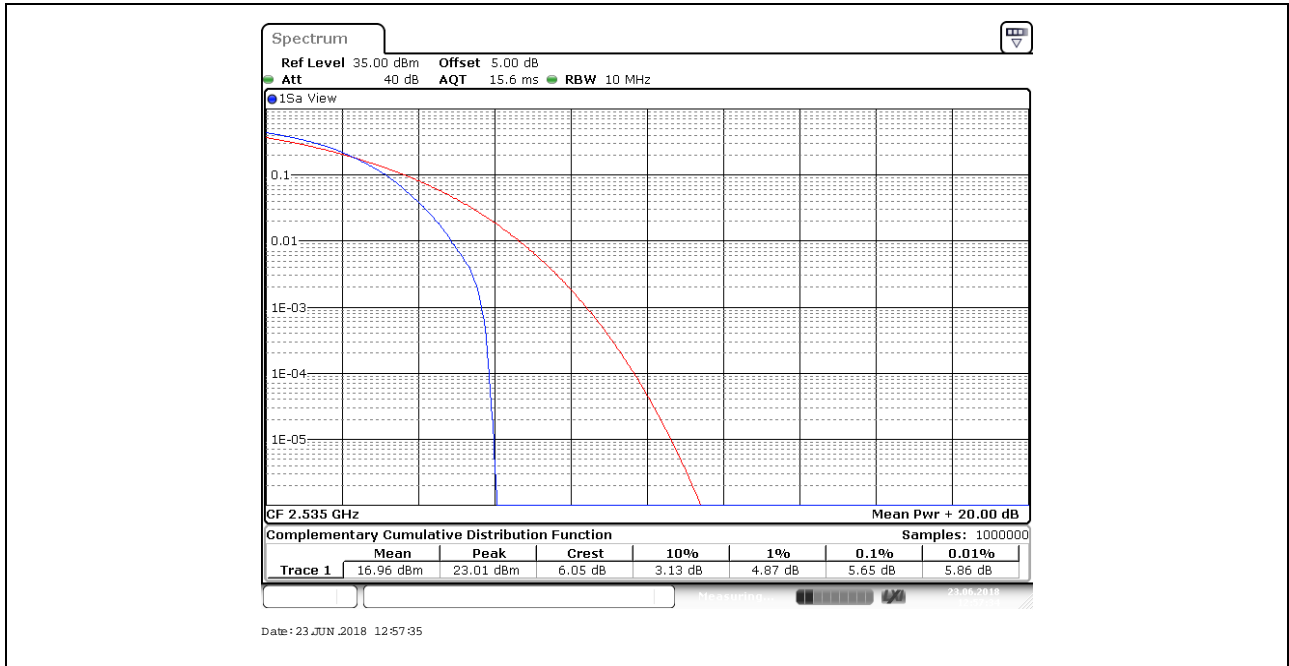
BAND 7\_20MHz\_64QAM\_21350\_100RB#0



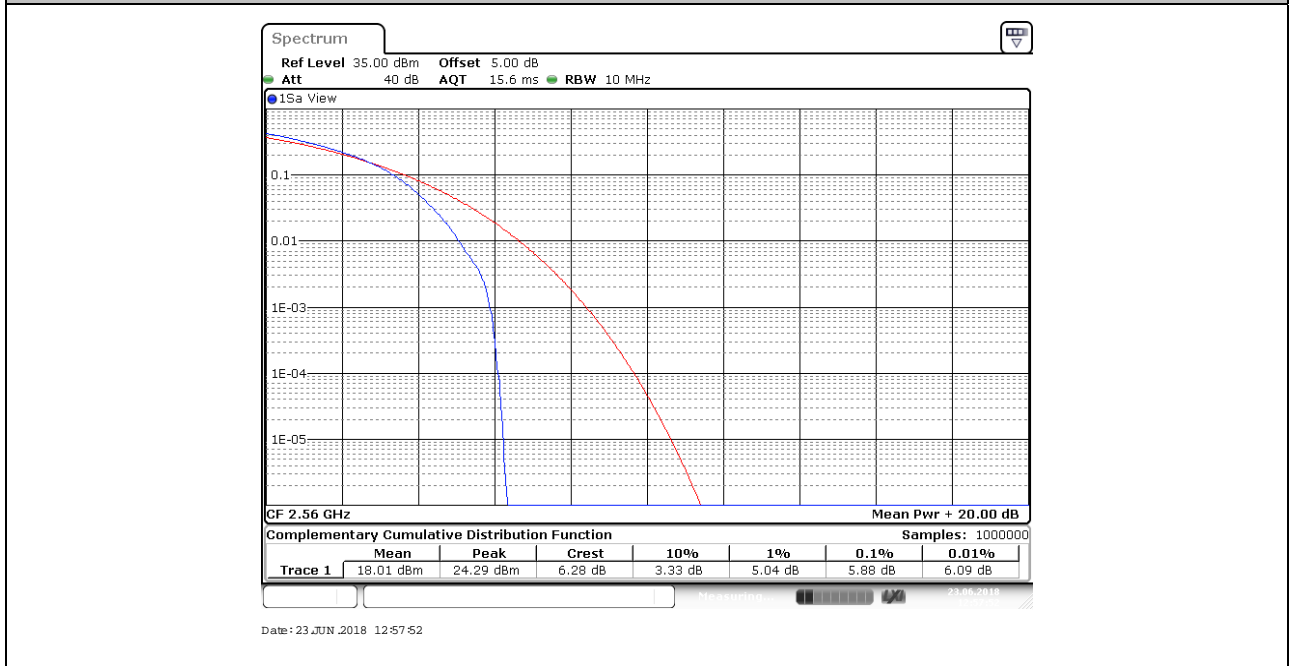
BAND 7\_20MHz\_16QAM\_20850\_100RB#0



BAND 7\_20MHz\_16QAM\_21100\_100RB#0



BAND 7\_20MHz\_16QAM\_21350\_100RB#0



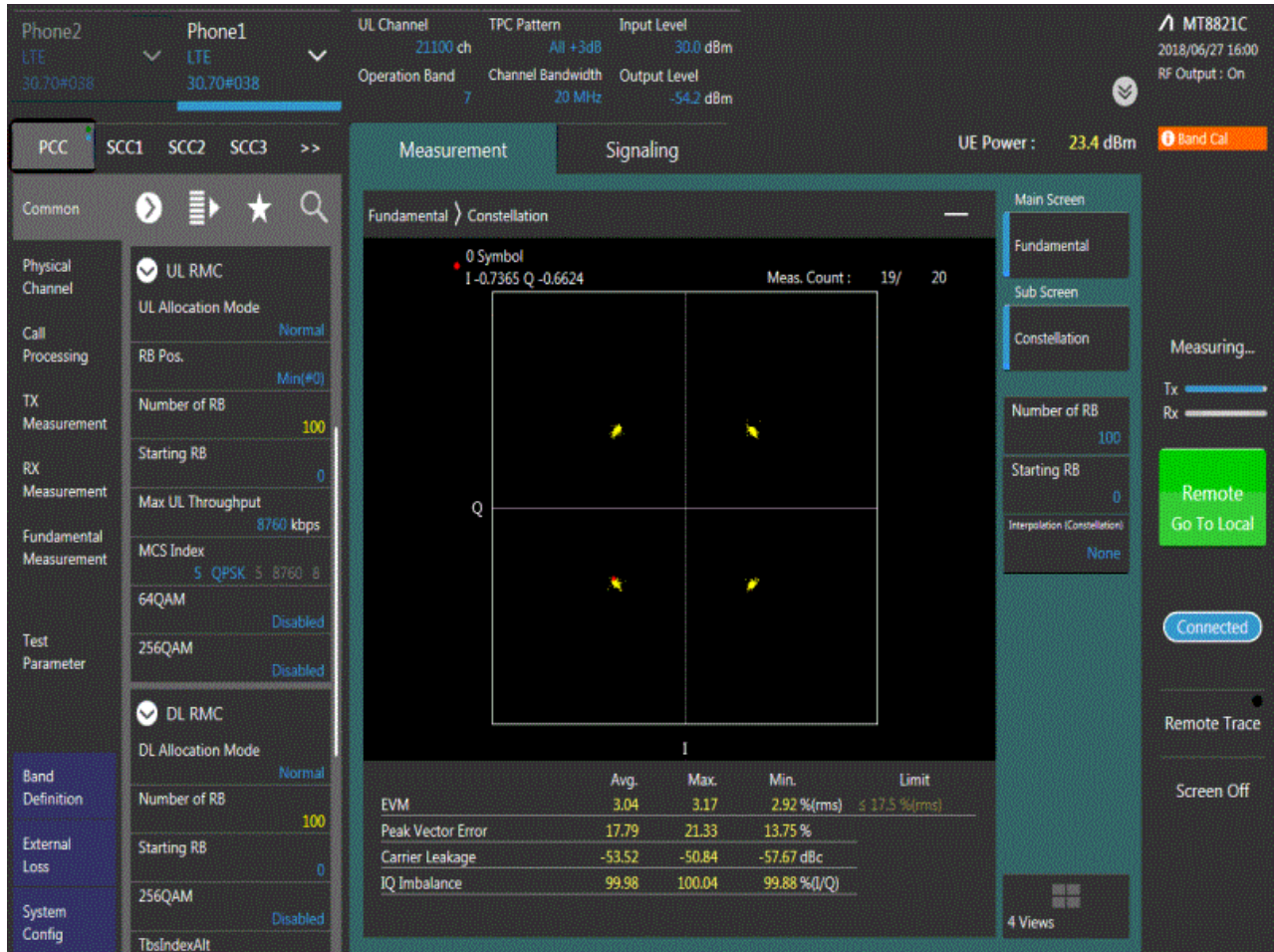


### 3. Modulation Characteristics

#### 3.1. Test BAND = LTE BAND 7

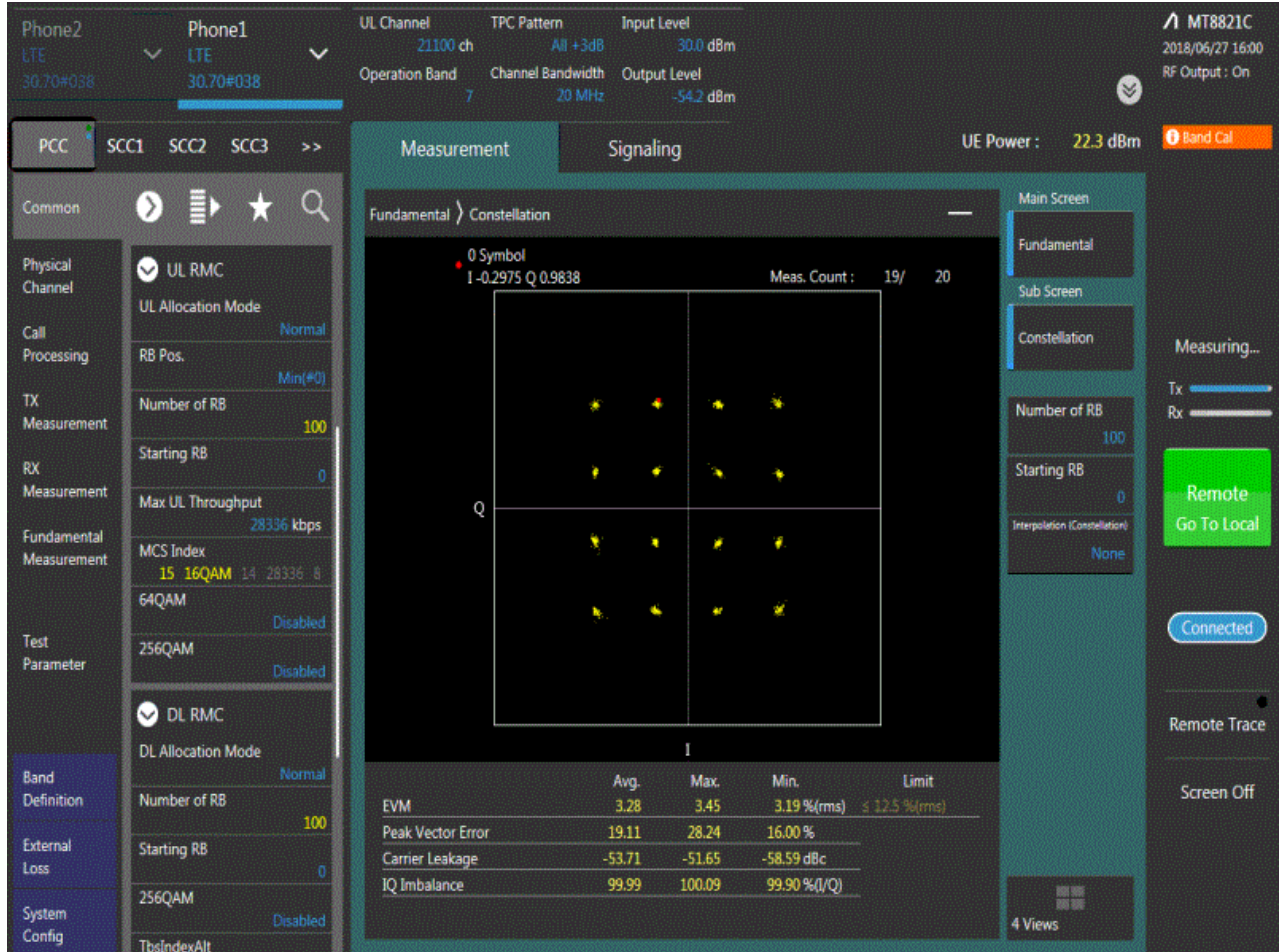
#### 3.1.1. Test Mode = LTE /TM1 20MHz

#### 3.1.1.1. Test Channel = MCH



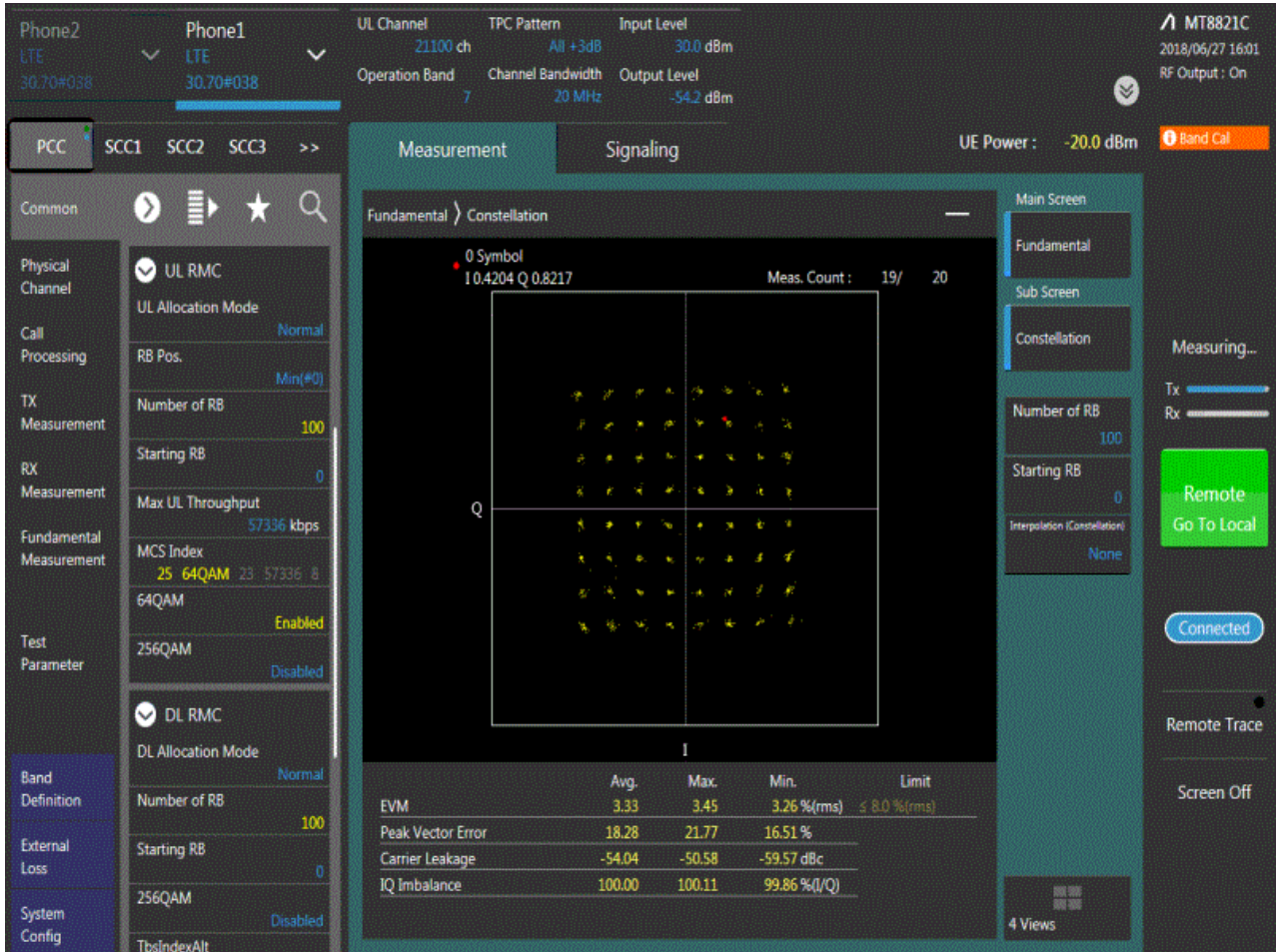
### 3.1.2. Test Mode = LTE /TM2 20MHz

#### 3.1.2.1. Test Channel = MCH



### 3.1.3. Test Mode = LTE /TM3 20MHz

#### 3.1.3.1. Test Channel = MCH





## 4. 26dB Bandwidth and Occupied Bandwidth

### 4.1. Test Result

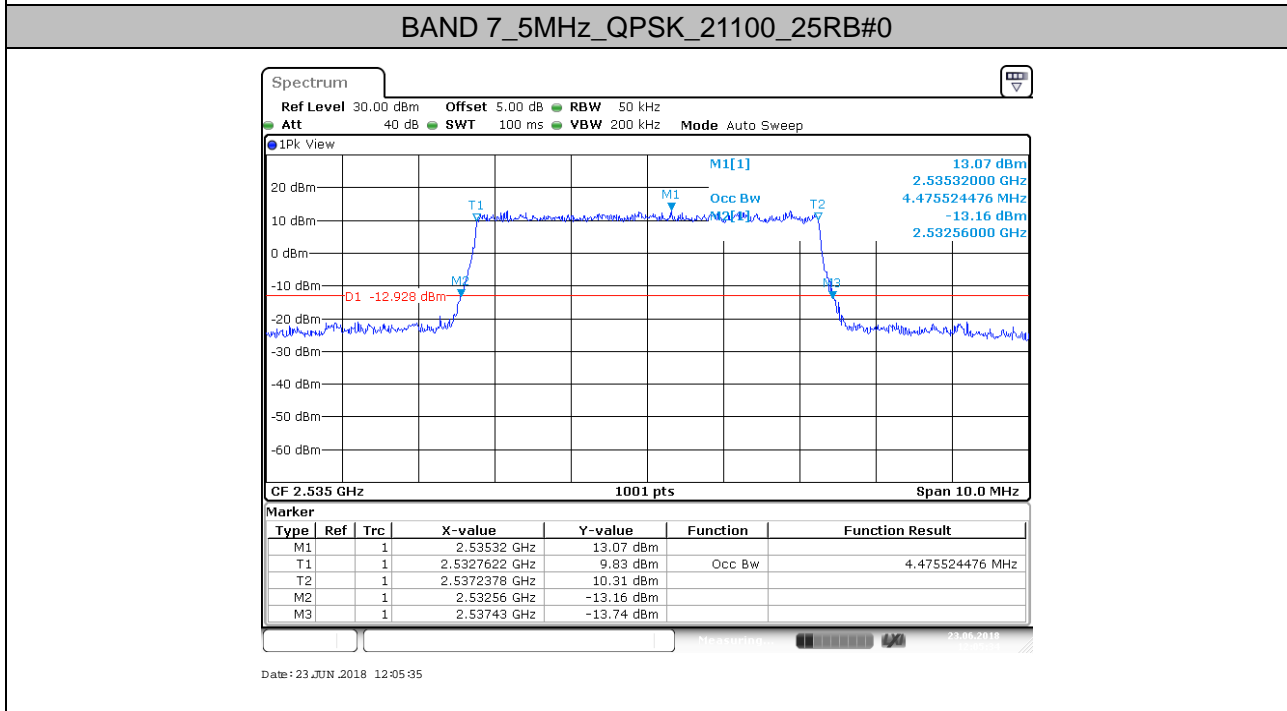
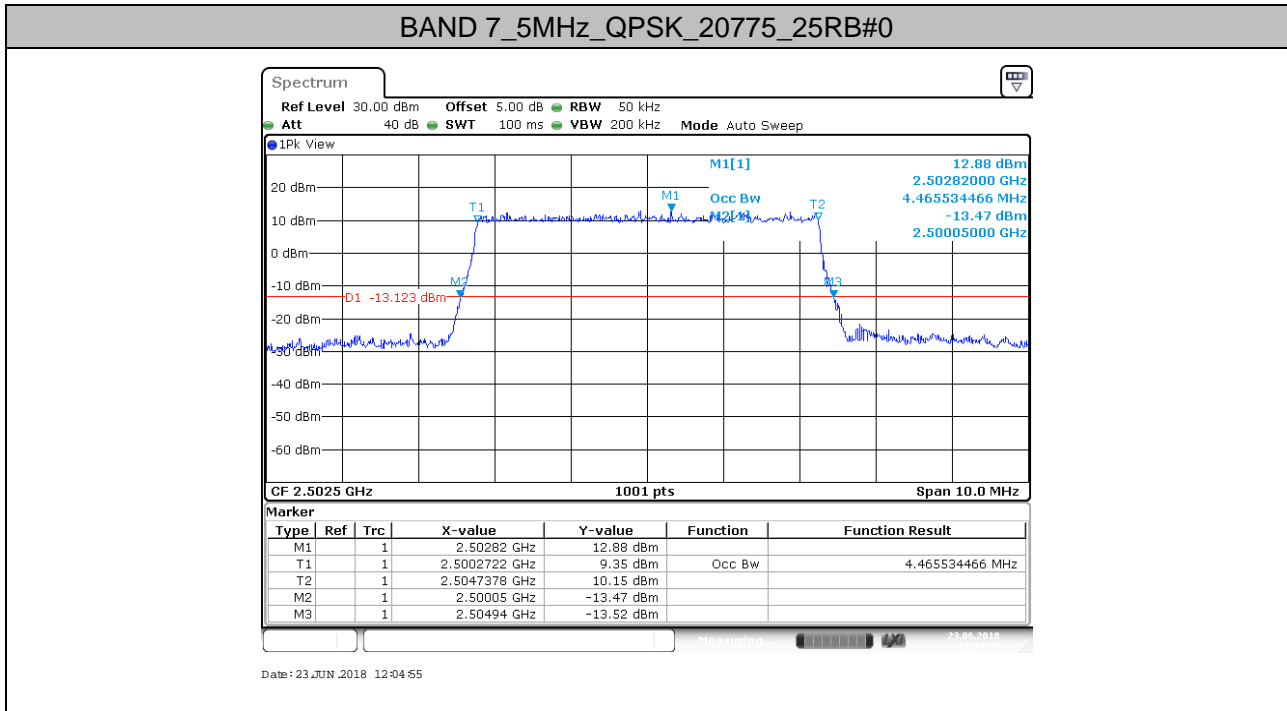
BAND	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
BAND 7	5MHz	QPSK	20775	25RB#0	4.466	4.890	PASS
BAND 7	5MHz	QPSK	21100	25RB#0	4.476	4.870	PASS
BAND 7	5MHz	QPSK	21425	25RB#0	4.476	4.890	PASS
BAND 7	5MHz	64QAM	20775	25RB#0	4.476	4.900	PASS
BAND 7	5MHz	64QAM	21100	25RB#0	4.466	4.930	PASS
BAND 7	5MHz	64QAM	21425	25RB#0	4.476	4.940	PASS
BAND 7	5MHz	16QAM	20775	25RB#0	4.496	4.930	PASS
BAND 7	5MHz	16QAM	21100	25RB#0	4.486	4.920	PASS
BAND 7	5MHz	16QAM	21425	25RB#0	4.496	4.940	PASS
BAND 7	10MHz	QPSK	20800	50RB#0	8.931	9.700	PASS
BAND 7	10MHz	QPSK	21100	50RB#0	8.931	9.700	PASS
BAND 7	10MHz	QPSK	21400	50RB#0	8.931	9.680	PASS
BAND 7	10MHz	64QAM	20800	50RB#0	8.931	9.700	PASS
BAND 7	10MHz	64QAM	21100	50RB#0	8.931	9.700	PASS
BAND 7	10MHz	64QAM	21400	50RB#0	8.931	9.720	PASS
BAND 7	10MHz	16QAM	20800	50RB#0	8.931	9.700	PASS
BAND 7	10MHz	16QAM	21100	50RB#0	8.931	9.720	PASS
BAND 7	10MHz	16QAM	21400	50RB#0	8.951	9.680	PASS
BAND 7	15MHz	QPSK	20825	75RB#0	13.457	14.700	PASS
BAND 7	15MHz	QPSK	21100	75RB#0	13.516	15.000	PASS
BAND 7	15MHz	QPSK	21375	75RB#0	13.487	14.790	PASS
BAND 7	15MHz	64QAM	20825	75RB#0	13.457	14.730	PASS
BAND 7	15MHz	64QAM	21100	75RB#0	13.487	14.760	PASS
BAND 7	15MHz	64QAM	21375	75RB#0	13.457	14.700	PASS
BAND 7	15MHz	16QAM	20825	75RB#0	13.487	14.730	PASS
BAND 7	15MHz	16QAM	21100	75RB#0	13.487	14.880	PASS
BAND 7	15MHz	16QAM	21375	75RB#0	13.457	14.760	PASS
BAND 7	20MHz	QPSK	20850	100RB#0	17.862	19.400	PASS
BAND 7	20MHz	QPSK	21100	100RB#0	17.982	19.520	PASS
BAND 7	20MHz	QPSK	21350	100RB#0	17.902	19.440	PASS
BAND 7	20MHz	64QAM	20850	100RB#0	17.862	19.320	PASS
BAND 7	20MHz	64QAM	21100	100RB#0	17.942	19.520	PASS
BAND 7	20MHz	64QAM	21350	100RB#0	17.862	19.360	PASS



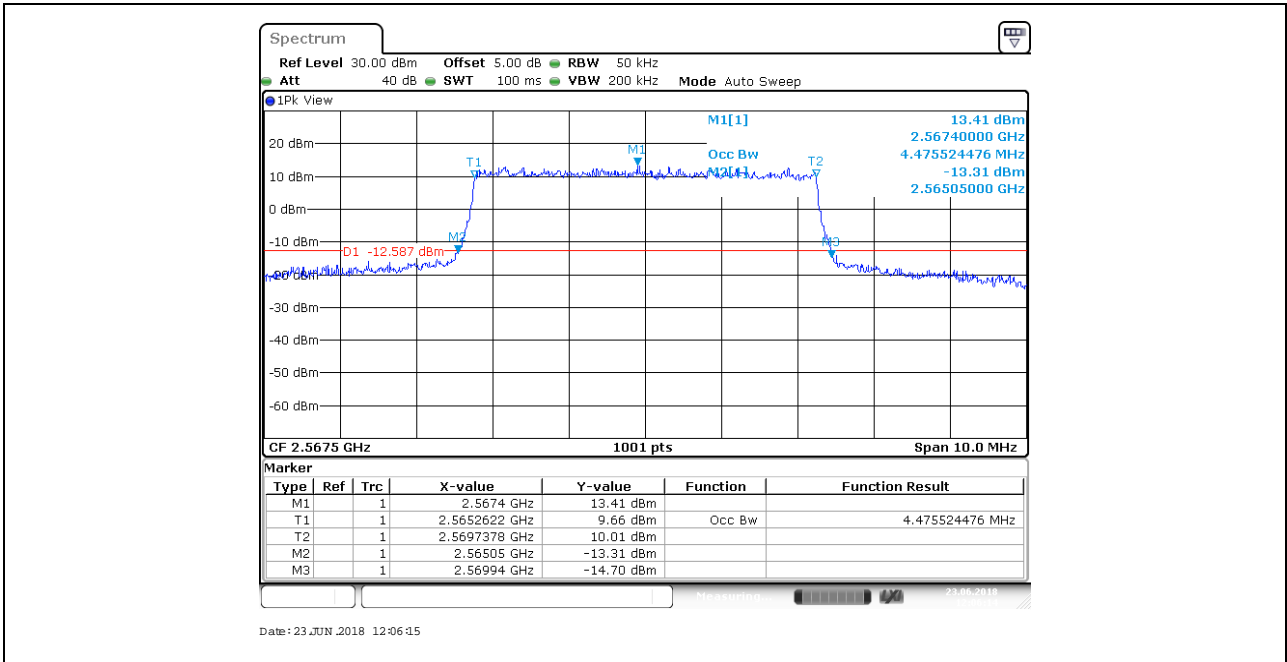


BAND 7	20MHz	16QAM	20850	100RB#0	17.822	19.480	PASS
BAND 7	20MHz	16QAM	21100	100RB#0	17.942	19.520	PASS
BAND 7	20MHz	16QAM	21350	100RB#0	17.862	19.320	PASS

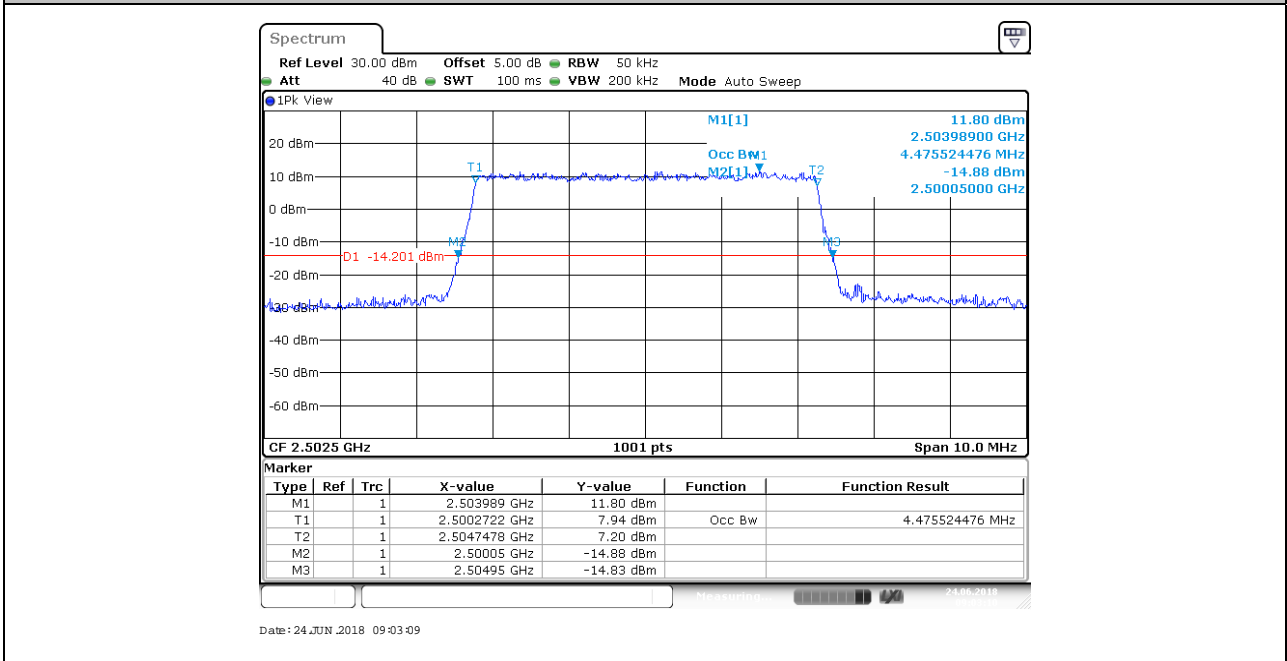
### 4.2. Test Plots



**BAND 7\_5MHz\_QPSK\_21425\_25RB#0**

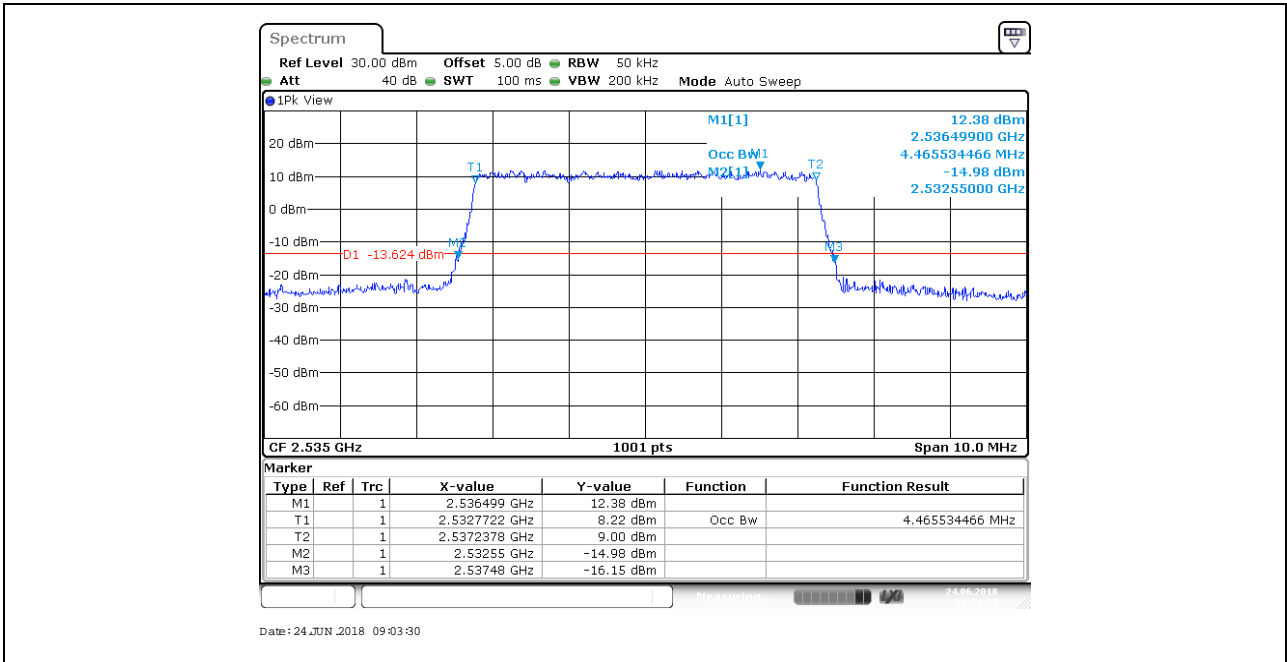


**BAND 7\_5MHz\_64QAM\_20775\_25RB#0**

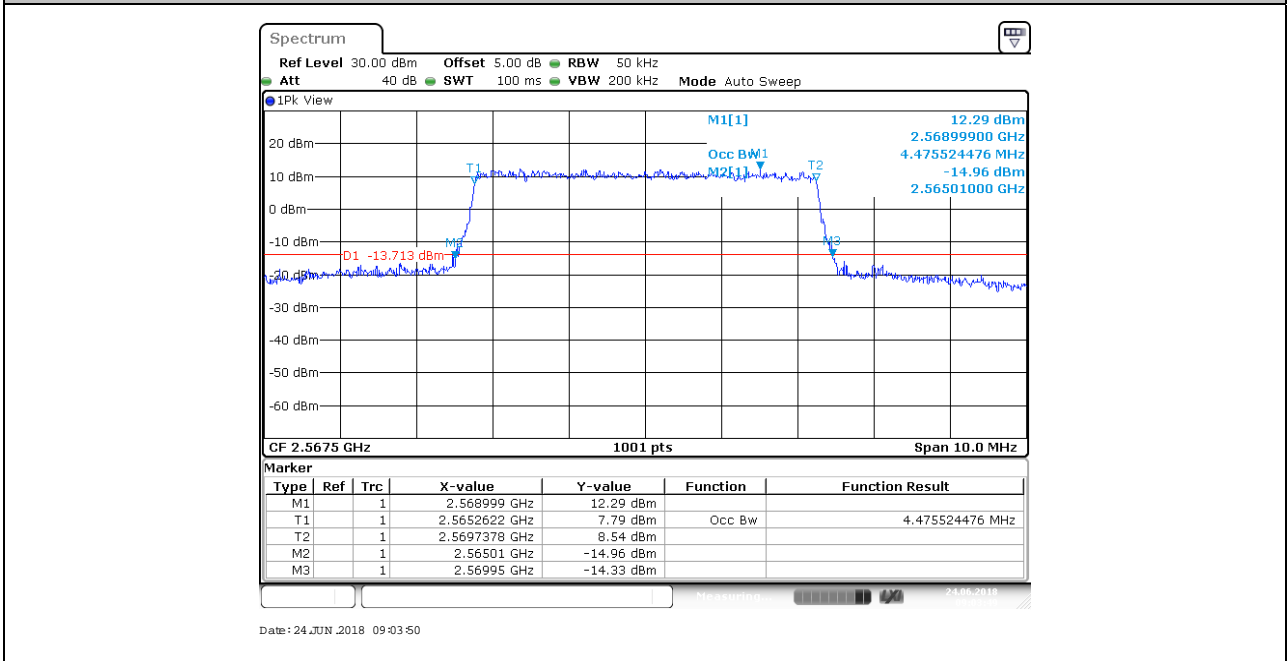


**BAND 7\_5MHz\_64QAM\_21100\_25RB#0**

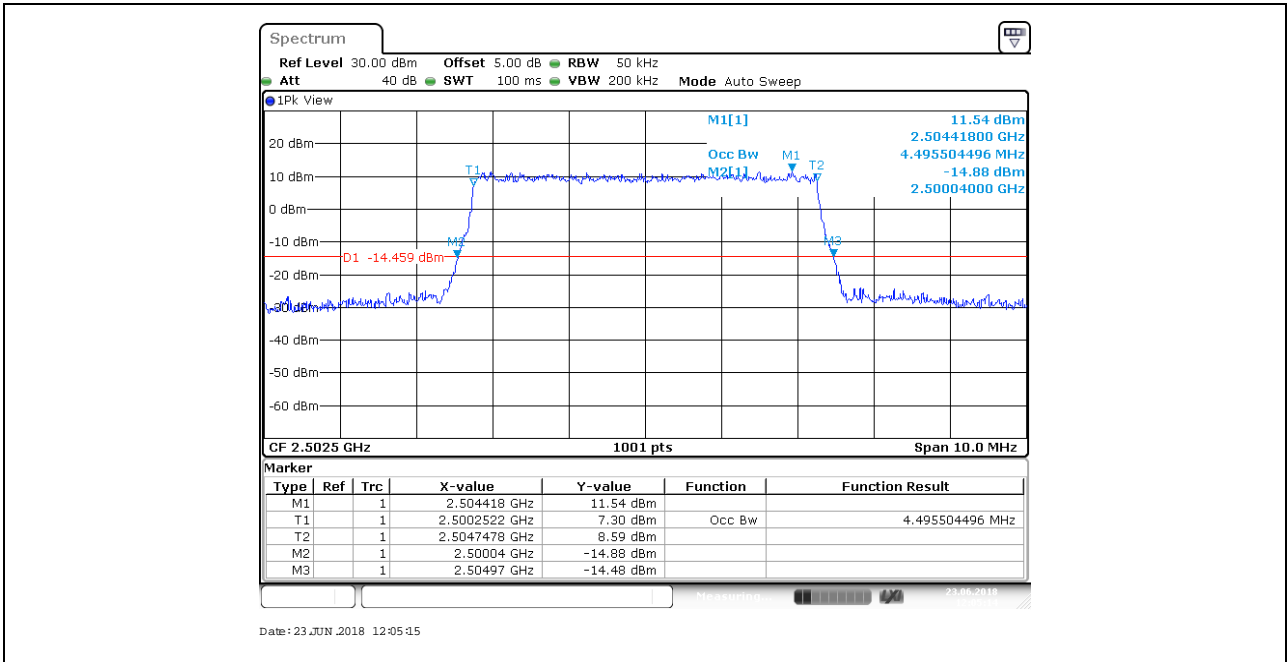




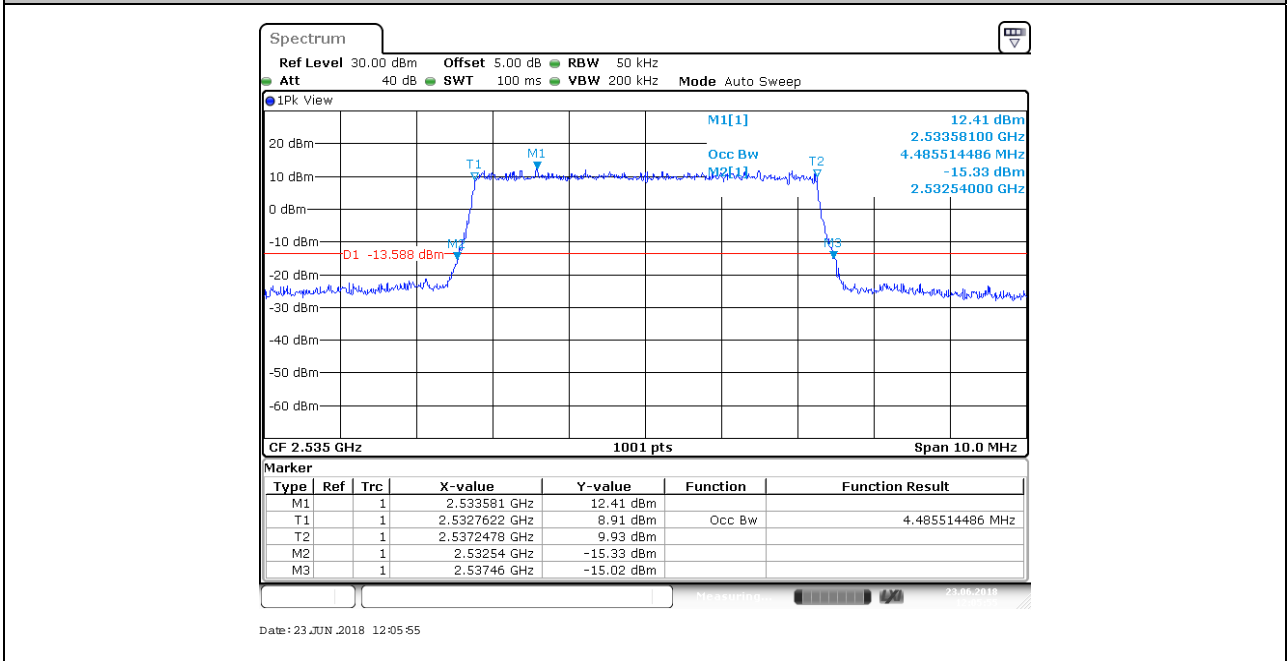
**BAND 7\_5MHz\_64QAM\_21425\_25RB#0**



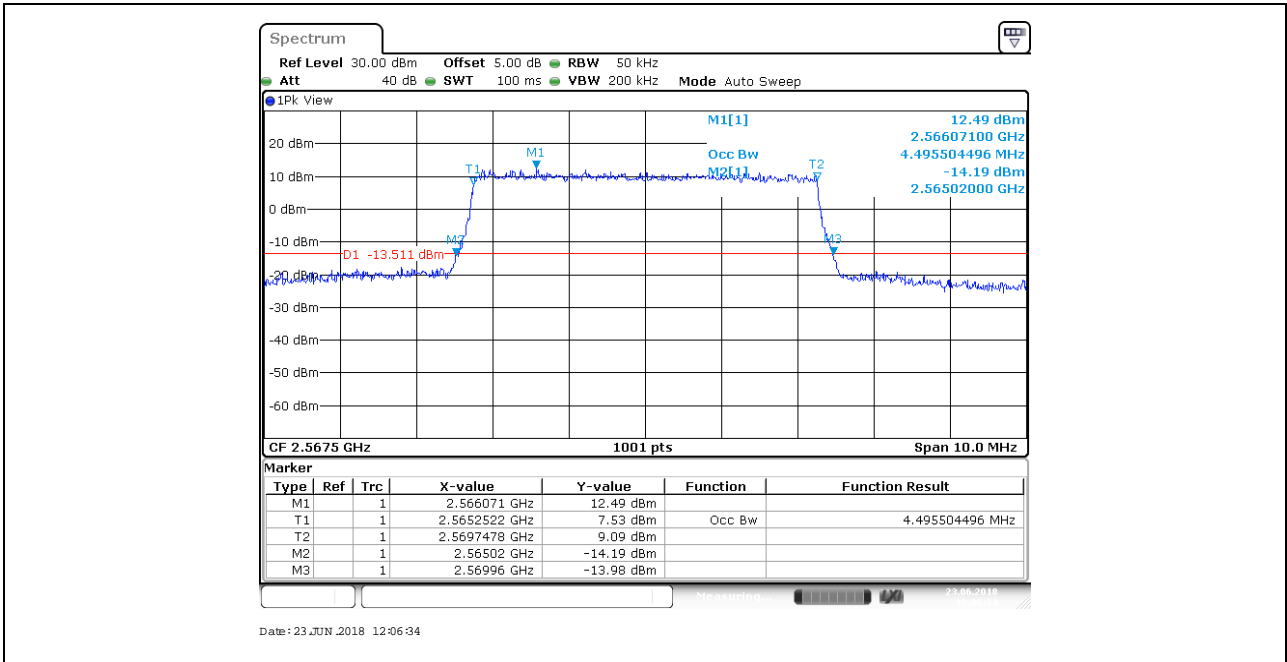
**BAND 7\_5MHz\_16QAM\_20775\_25RB#0**



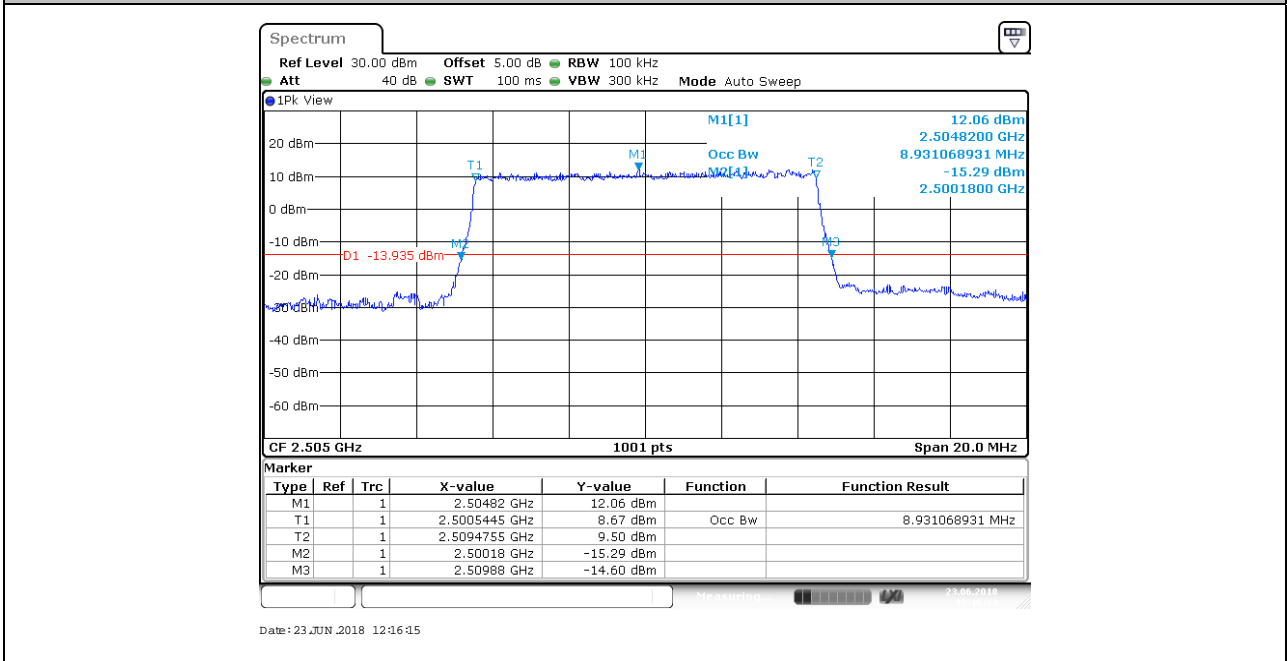
**BAND 7\_5MHz\_16QAM\_21100\_25RB#0**



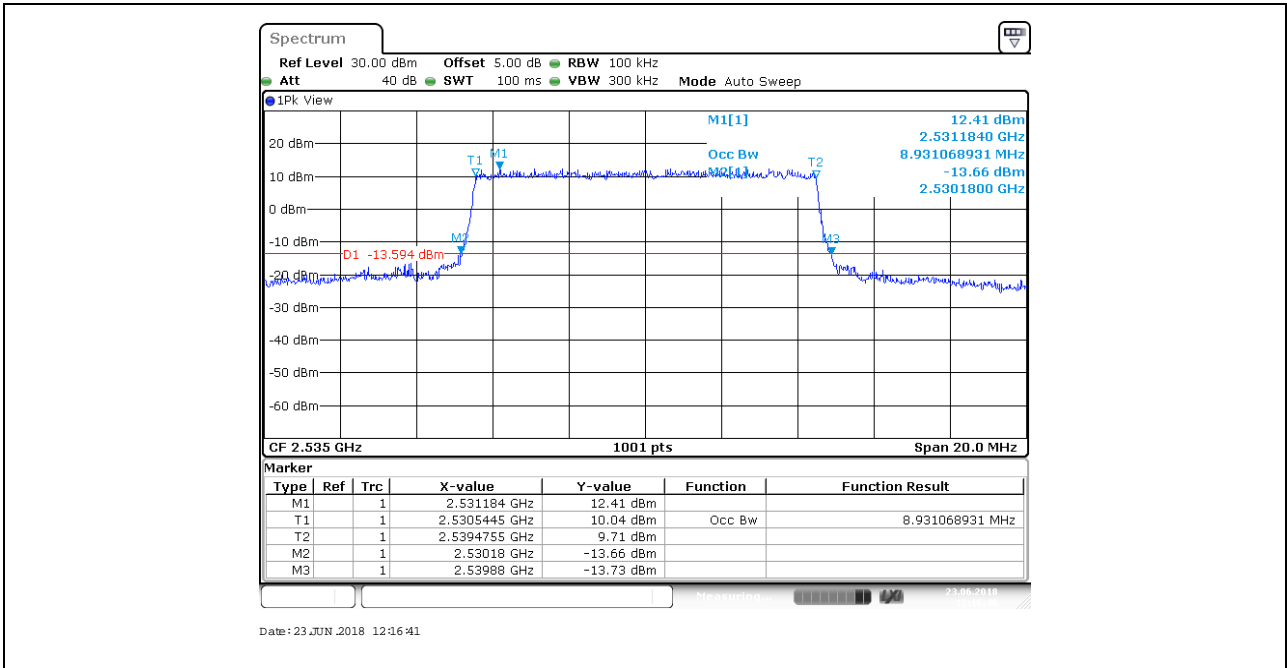
**BAND 7\_5MHz\_16QAM\_21425\_25RB#0**



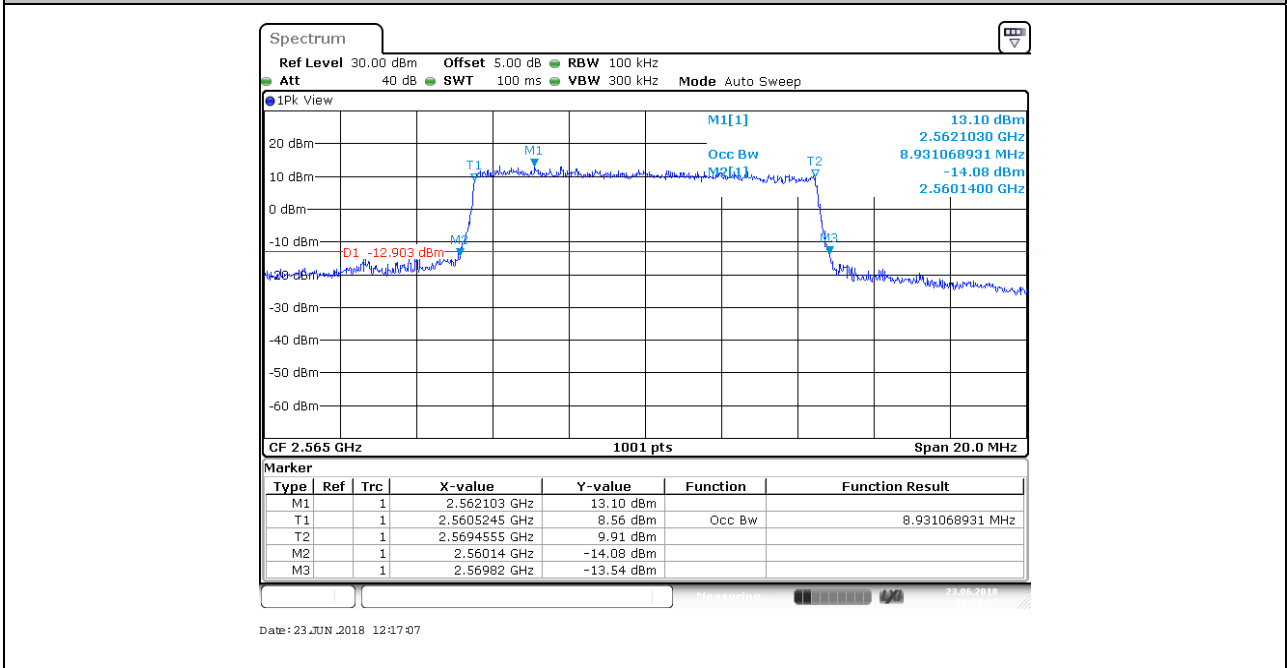
**BAND 7\_10MHz\_QPSK\_20800\_50RB#0**



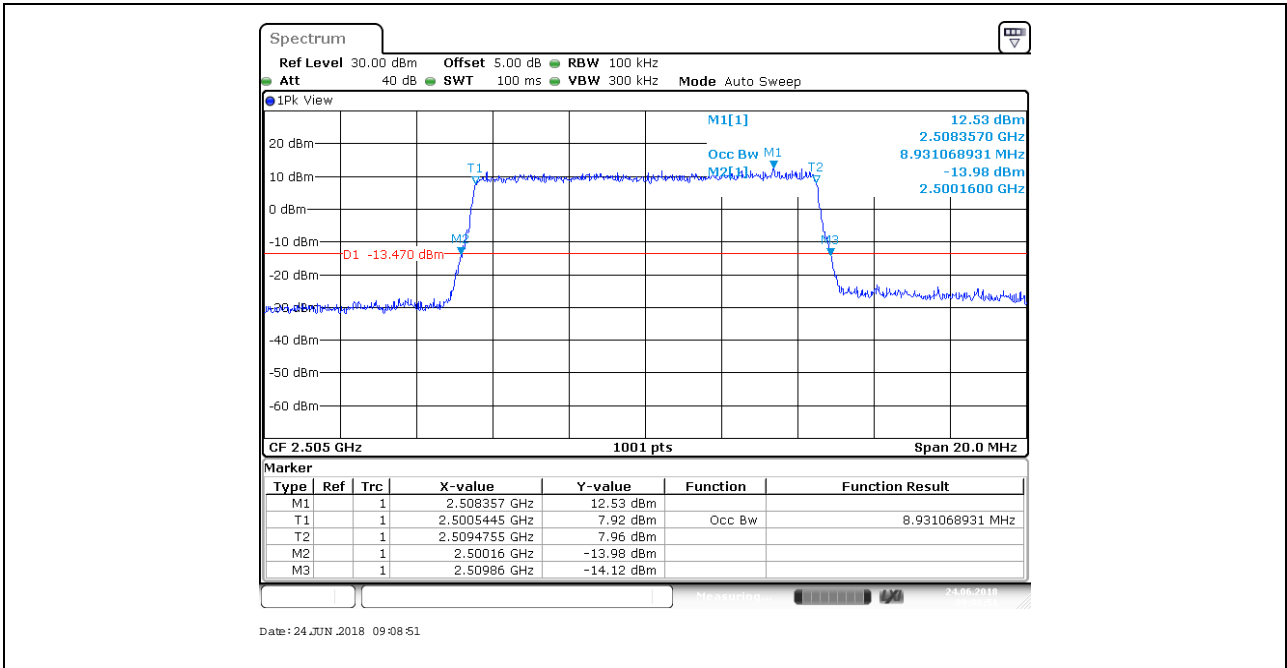
**BAND 7\_10MHz\_QPSK\_21100\_50RB#0**



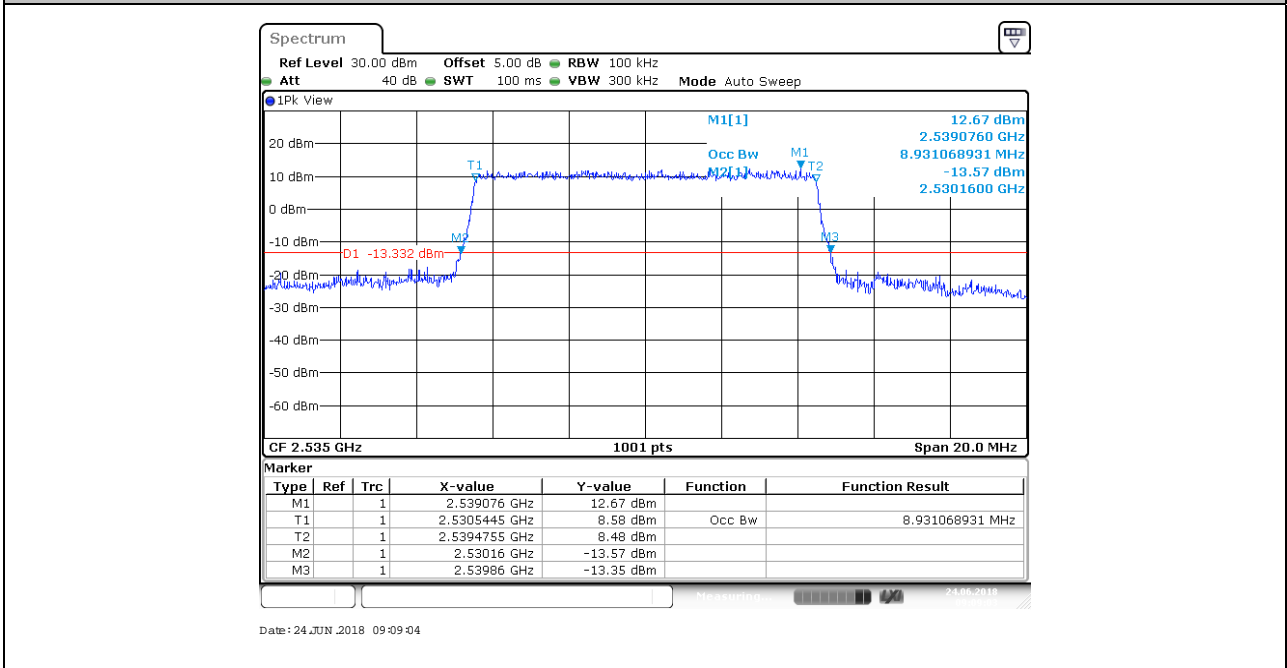
**BAND 7\_10MHz\_QPSK\_21400\_50RB#0**



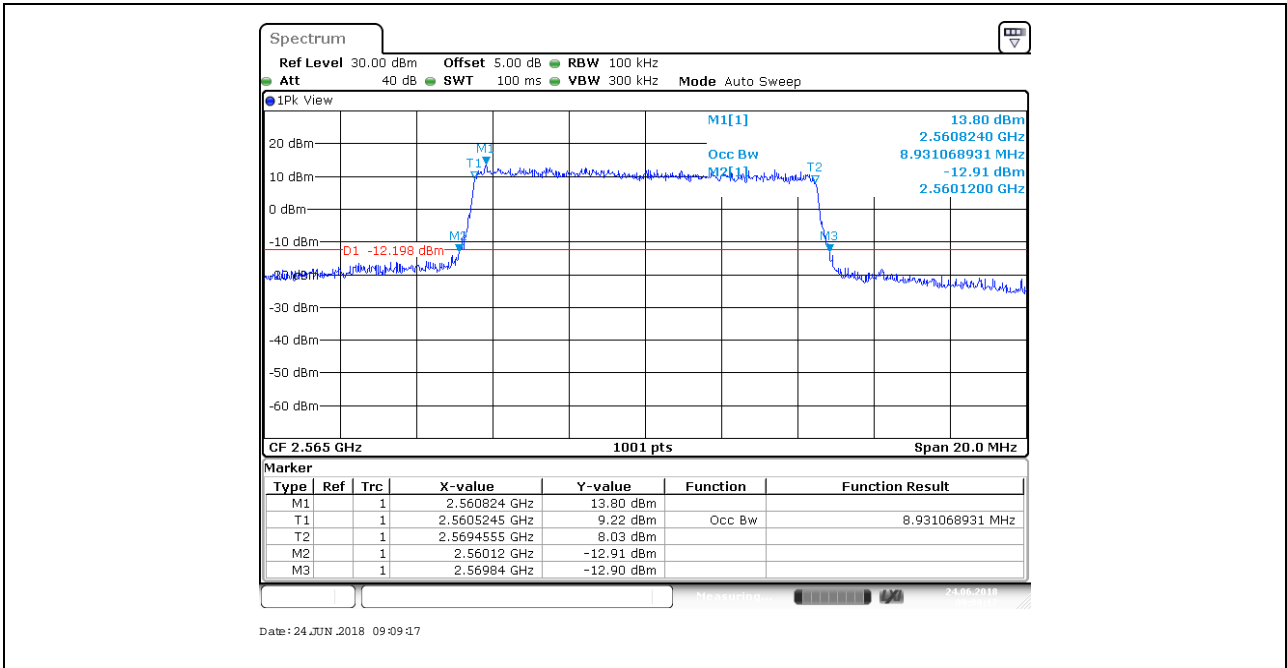
**BAND 7\_10MHz\_64QAM\_20800\_50RB#0**



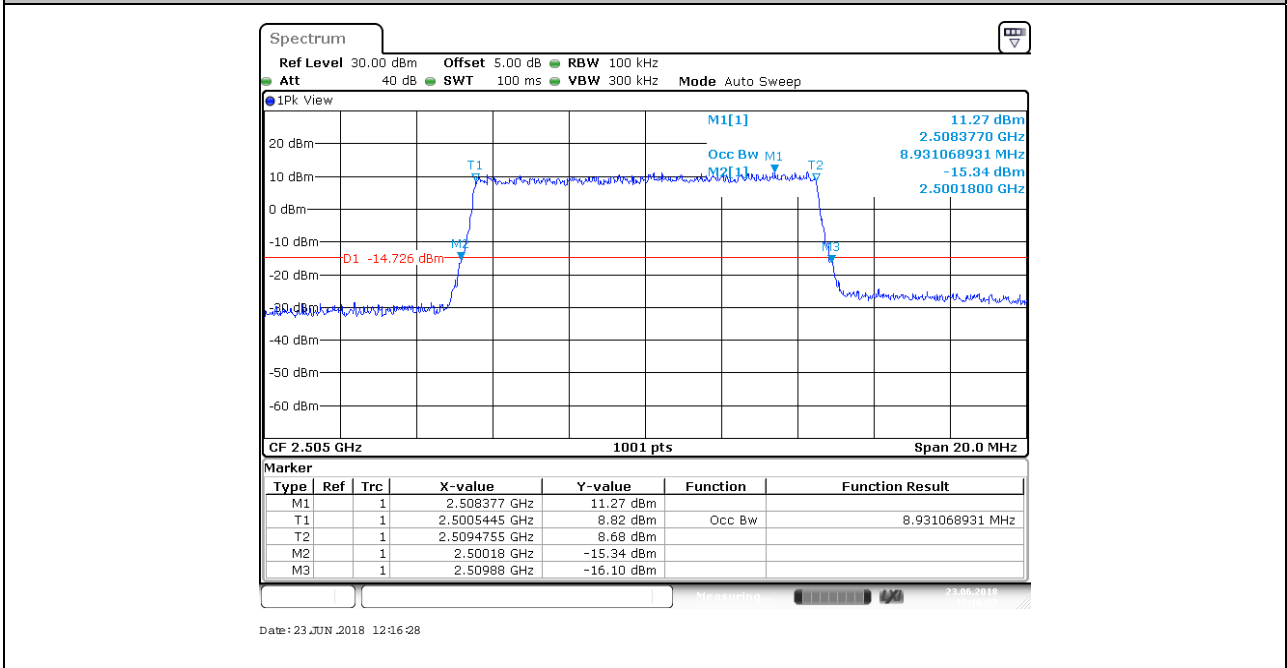
**BAND 7\_10MHz\_64QAM\_21100\_50RB#0**



**BAND 7\_10MHz\_64QAM\_21400\_50RB#0**

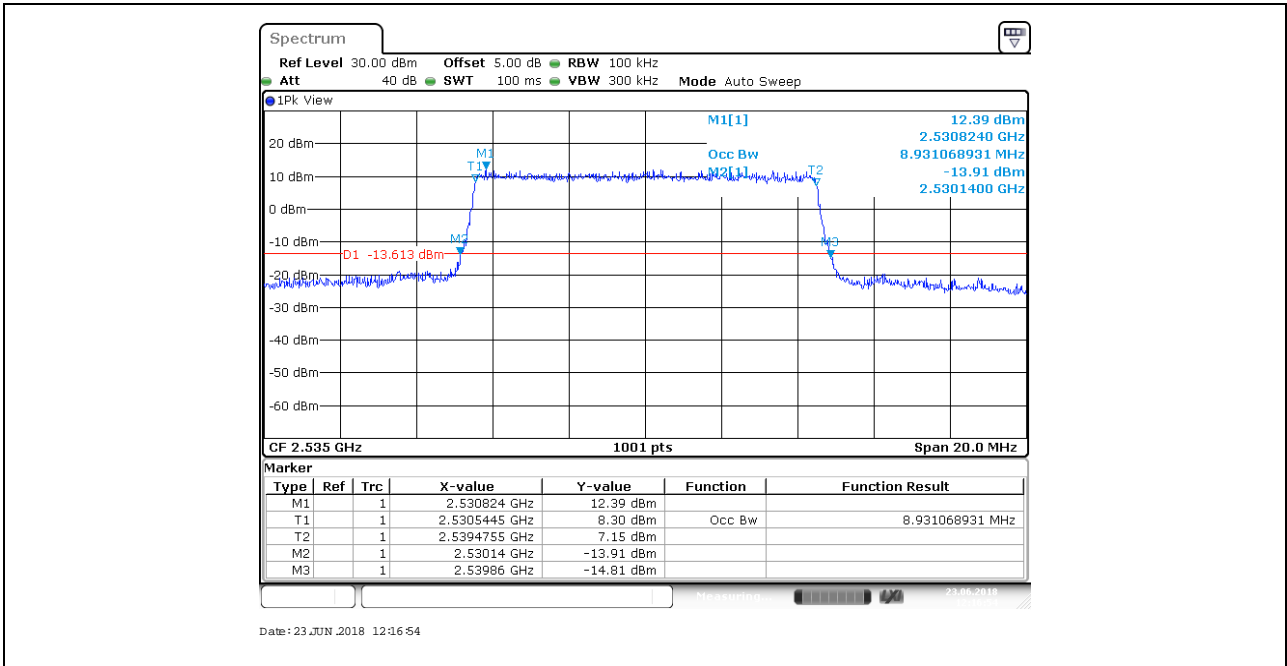


**BAND 7\_10MHz\_16QAM\_20800\_50RB#0**

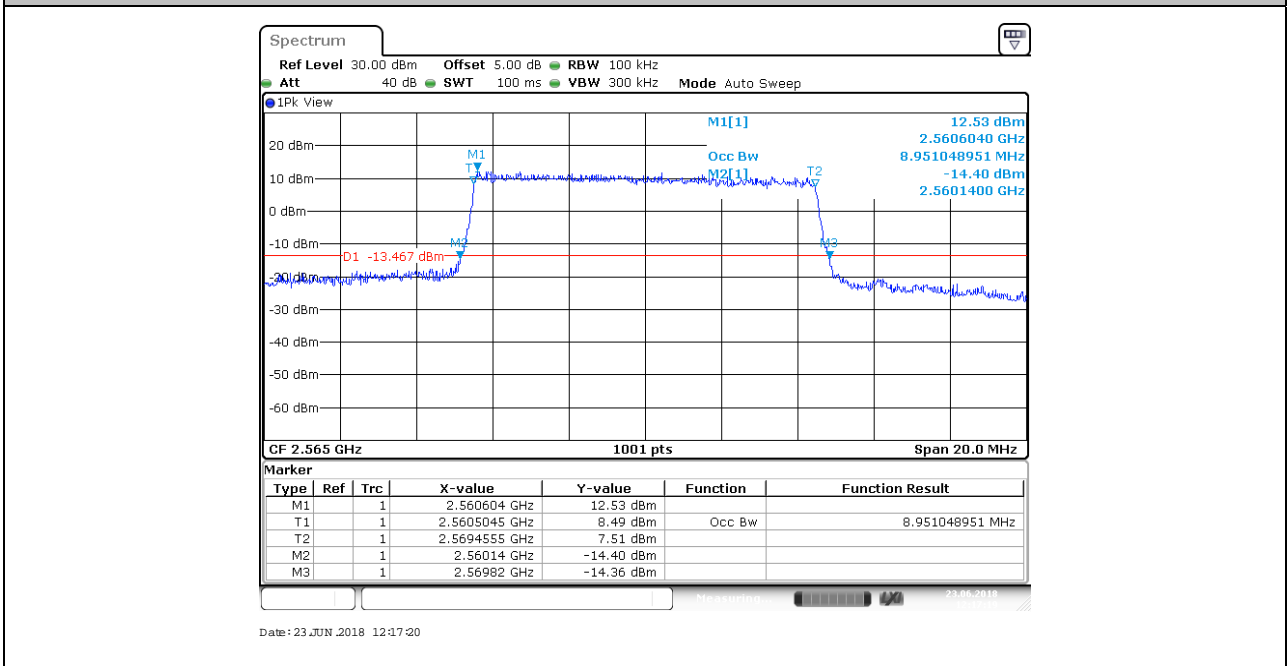


**BAND 7\_10MHz\_16QAM\_21100\_50RB#0**

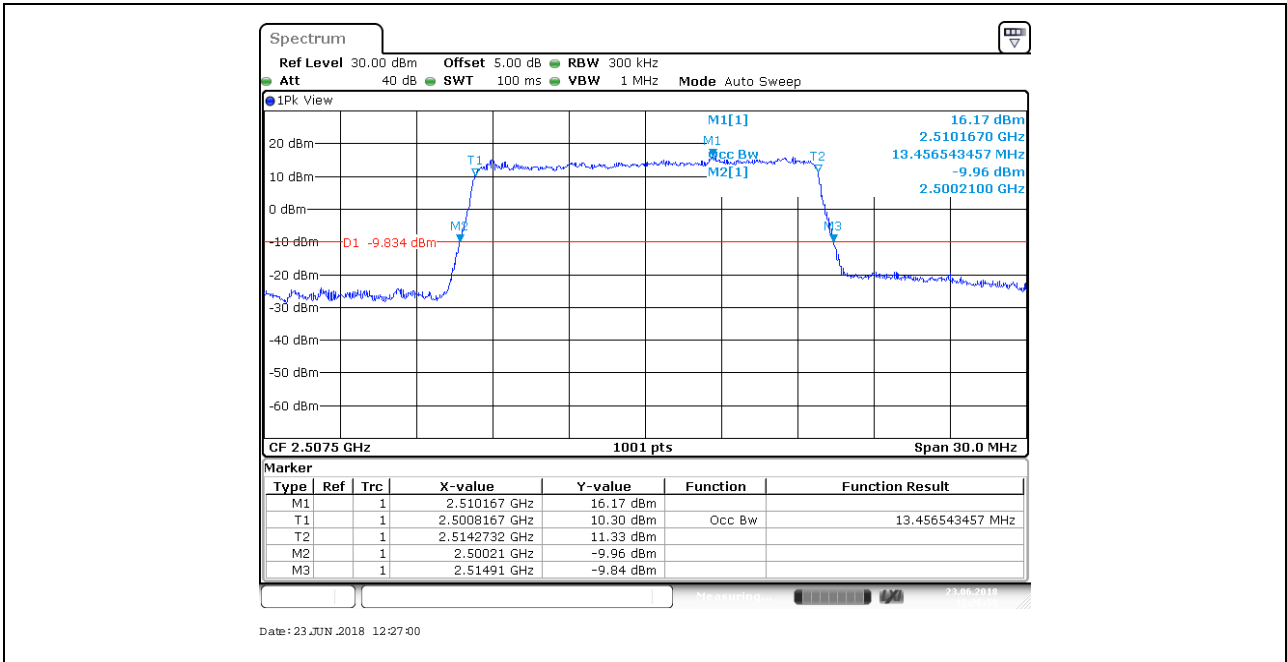




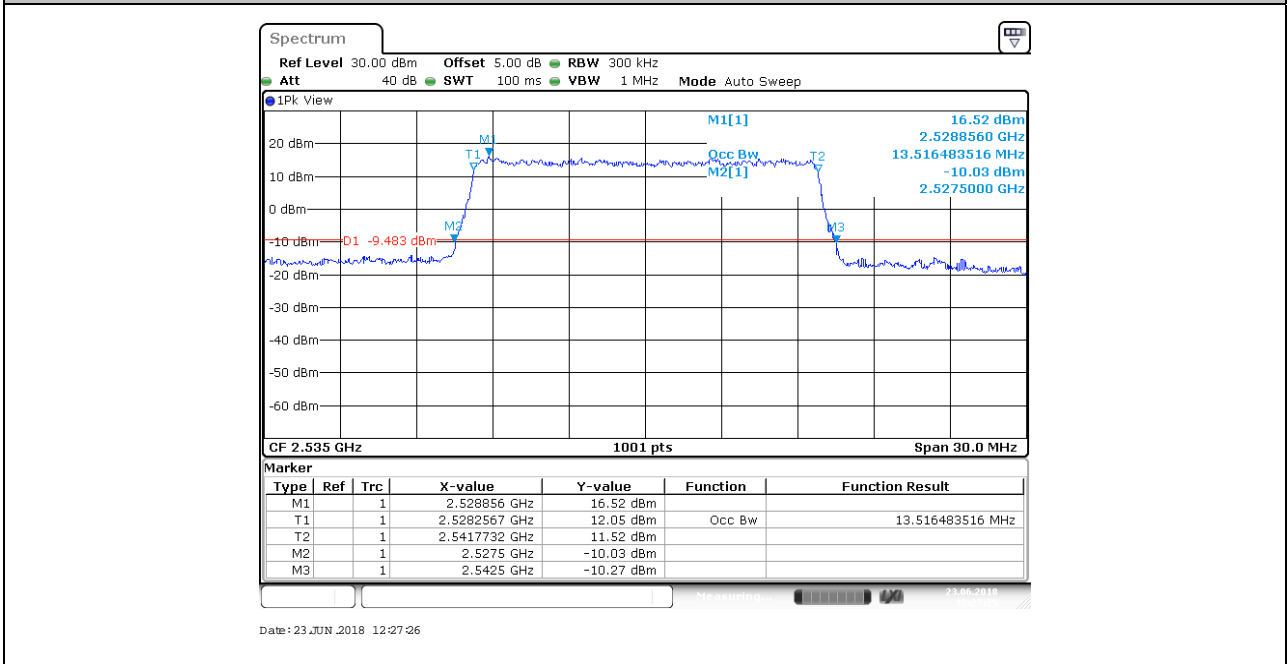
**BAND 7\_10MHz\_16QAM\_21400\_50RB#0**



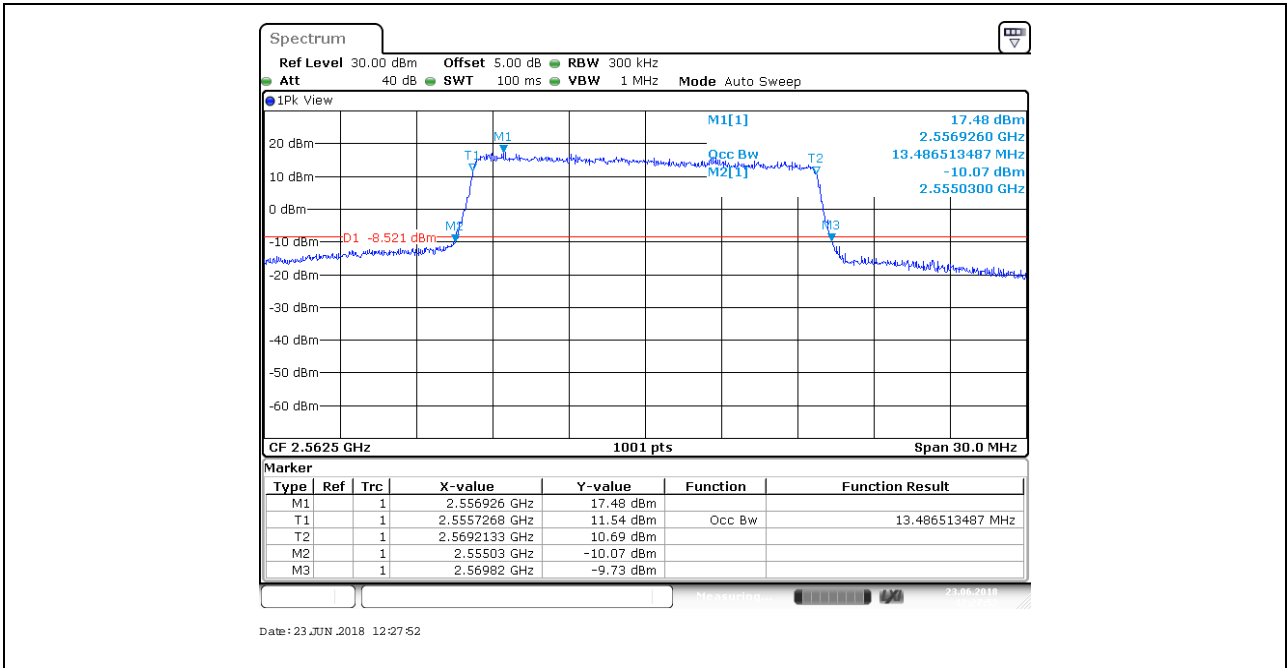
**BAND 7\_15MHz\_QPSK\_20825\_75RB#0**



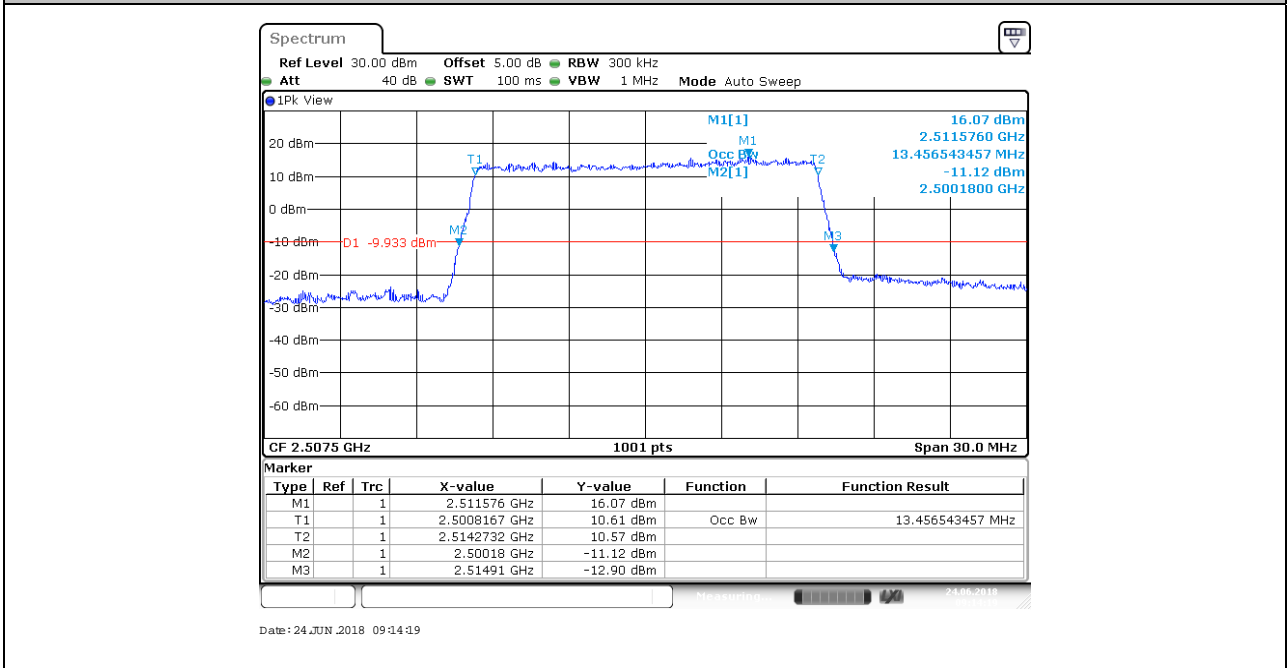
**BAND 7\_15MHz\_QPSK\_21100\_75RB#0**



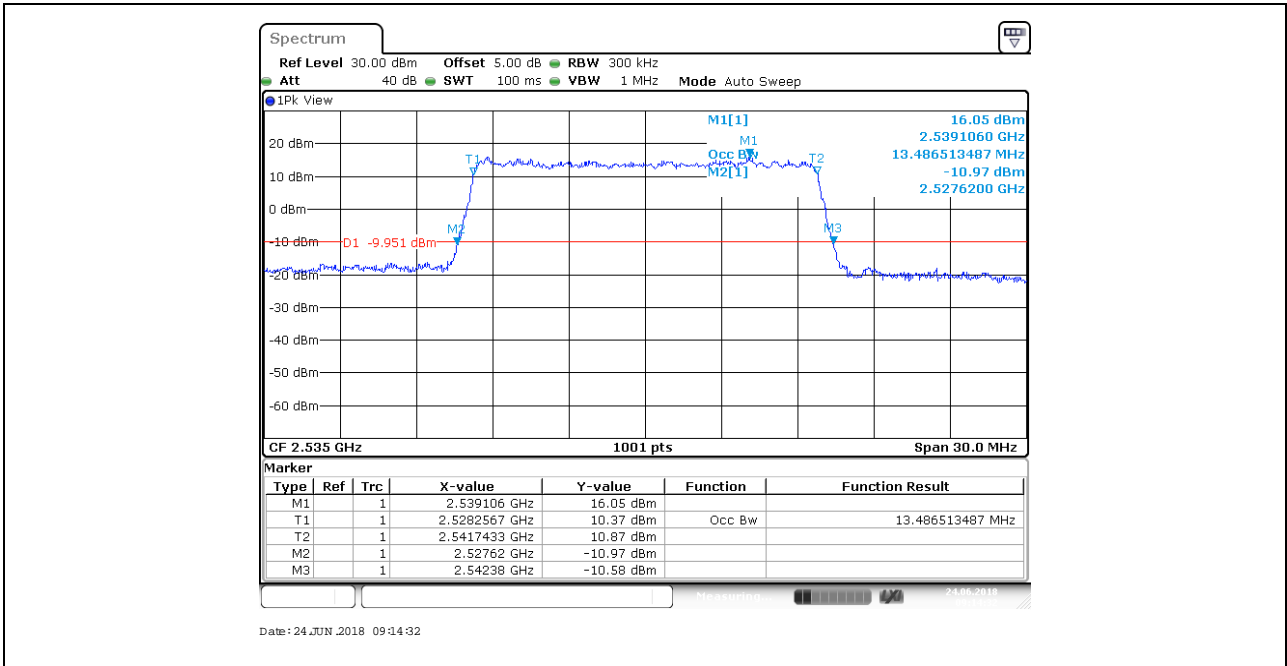
**BAND 7\_15MHz\_QPSK\_21375\_75RB#0**



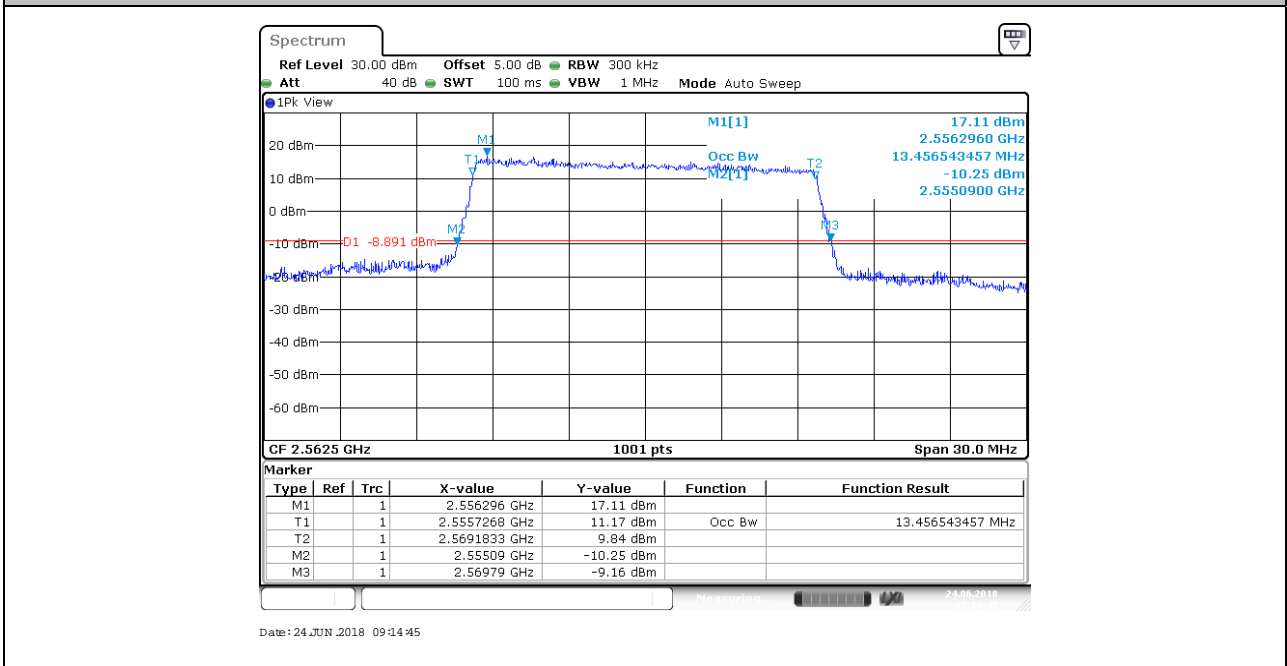
**BAND 7\_15MHz\_64QAM\_20825\_75RB#0**



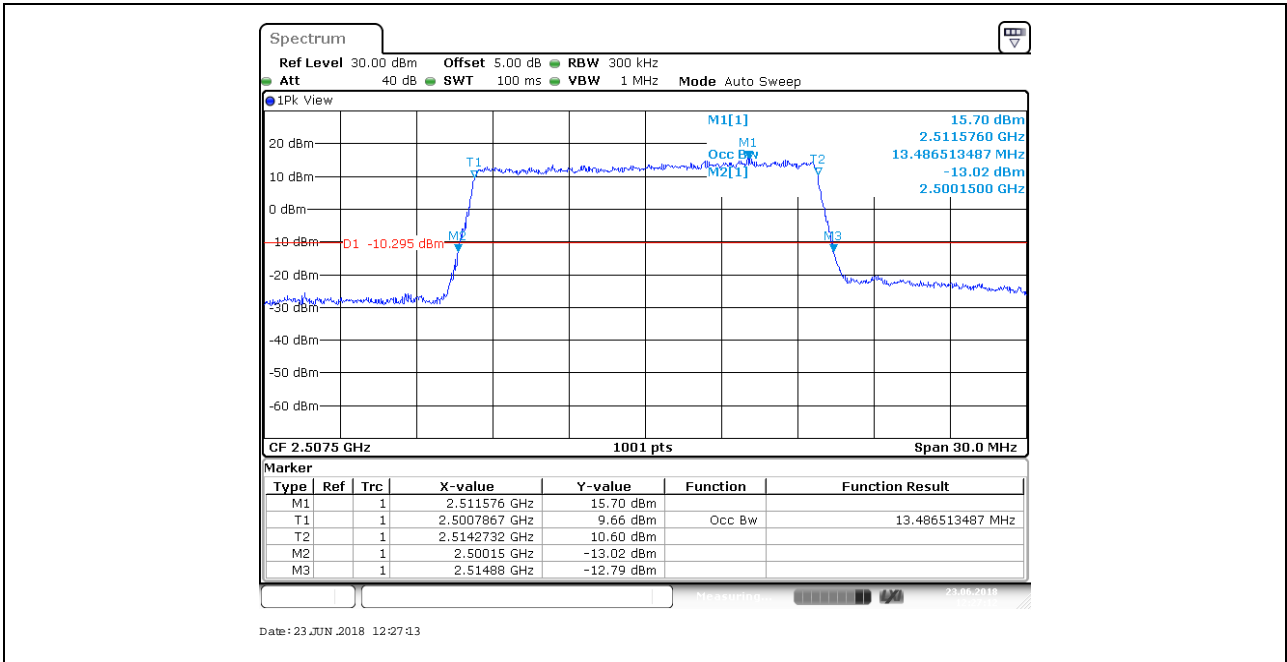
**BAND 7\_15MHz\_64QAM\_21100\_75RB#0**



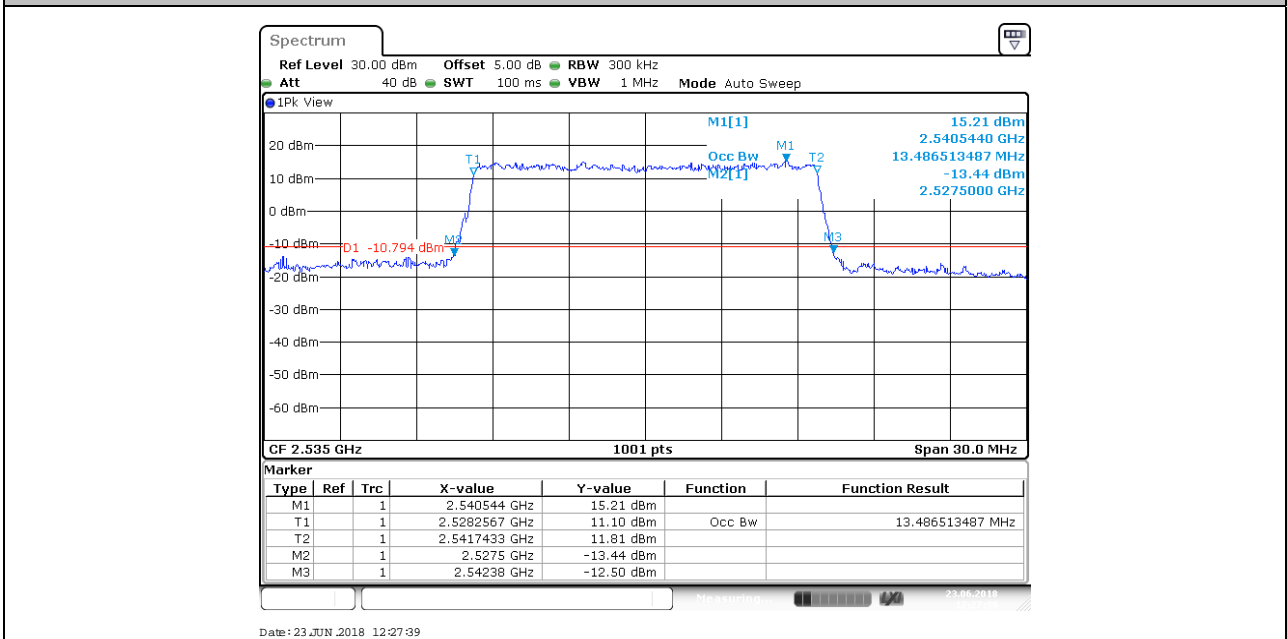
BAND 7\_15MHz\_64QAM\_21375\_75RB#0



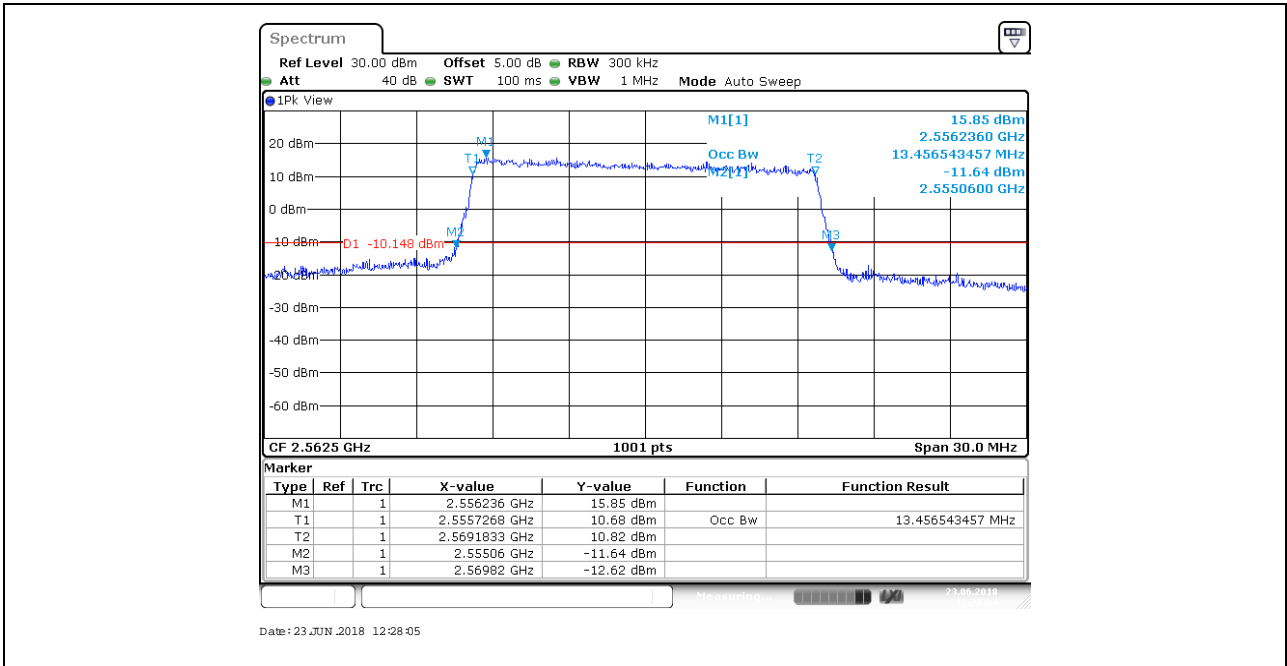
BAND 7\_15MHz\_16QAM\_20825\_75RB#0



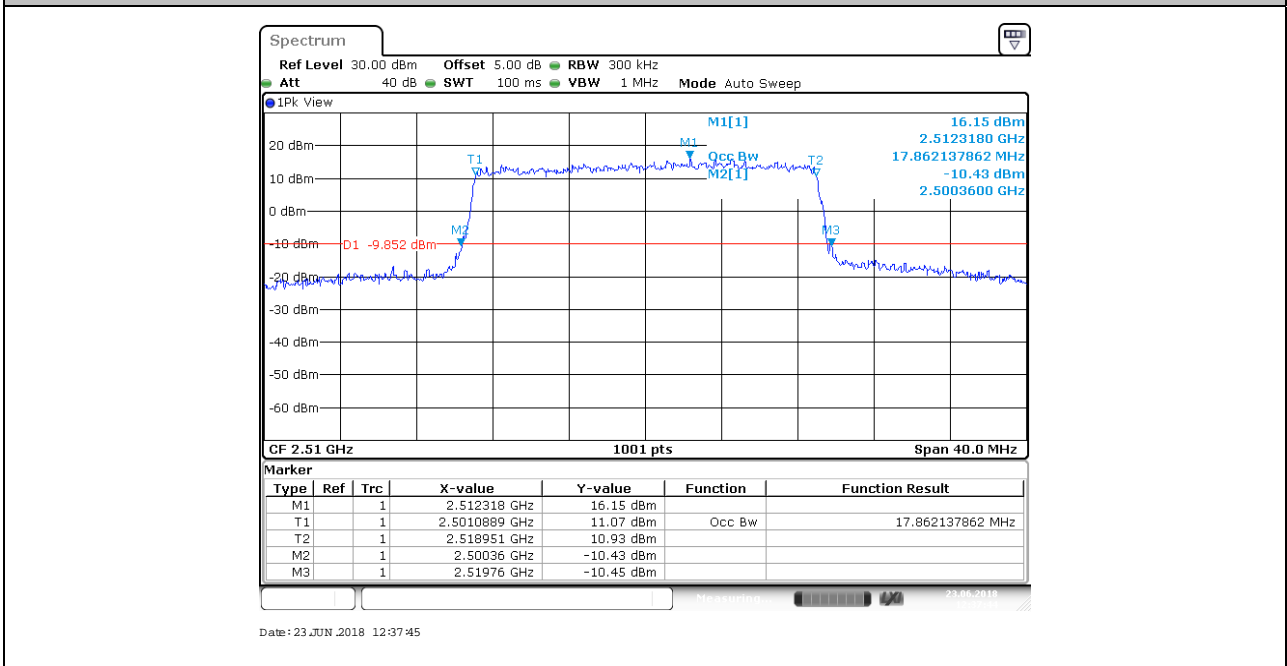
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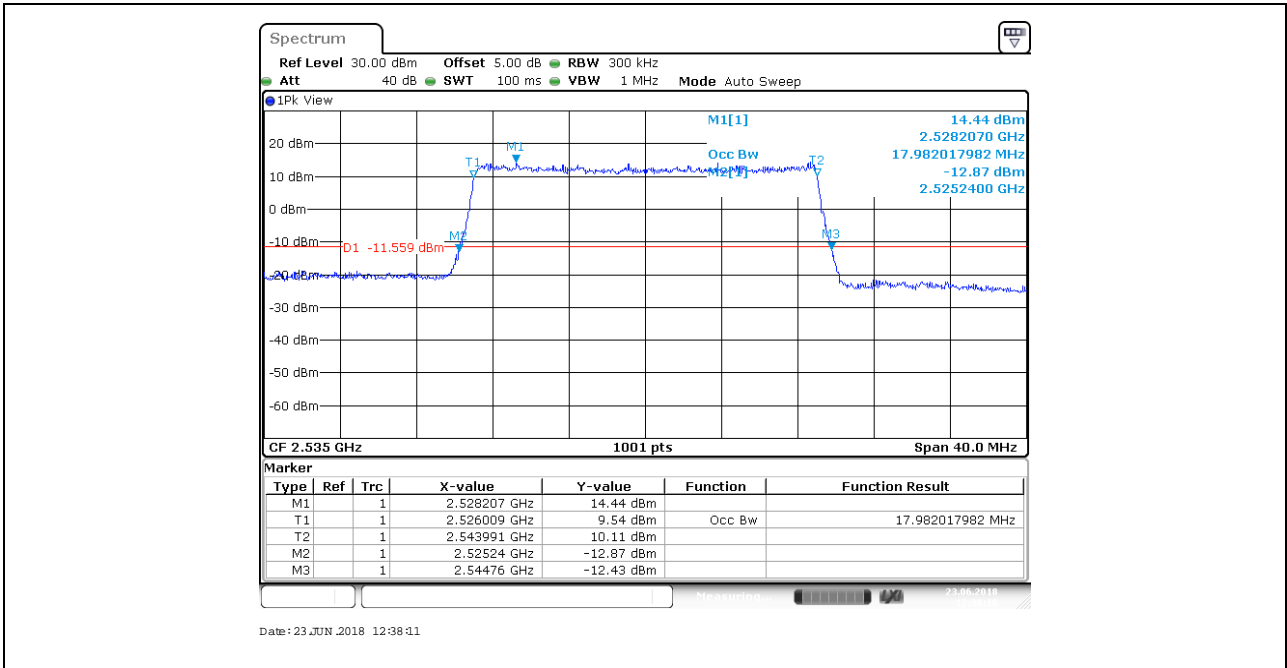
**BAND 7\_15MHz\_16QAM\_21375\_75RB#0**



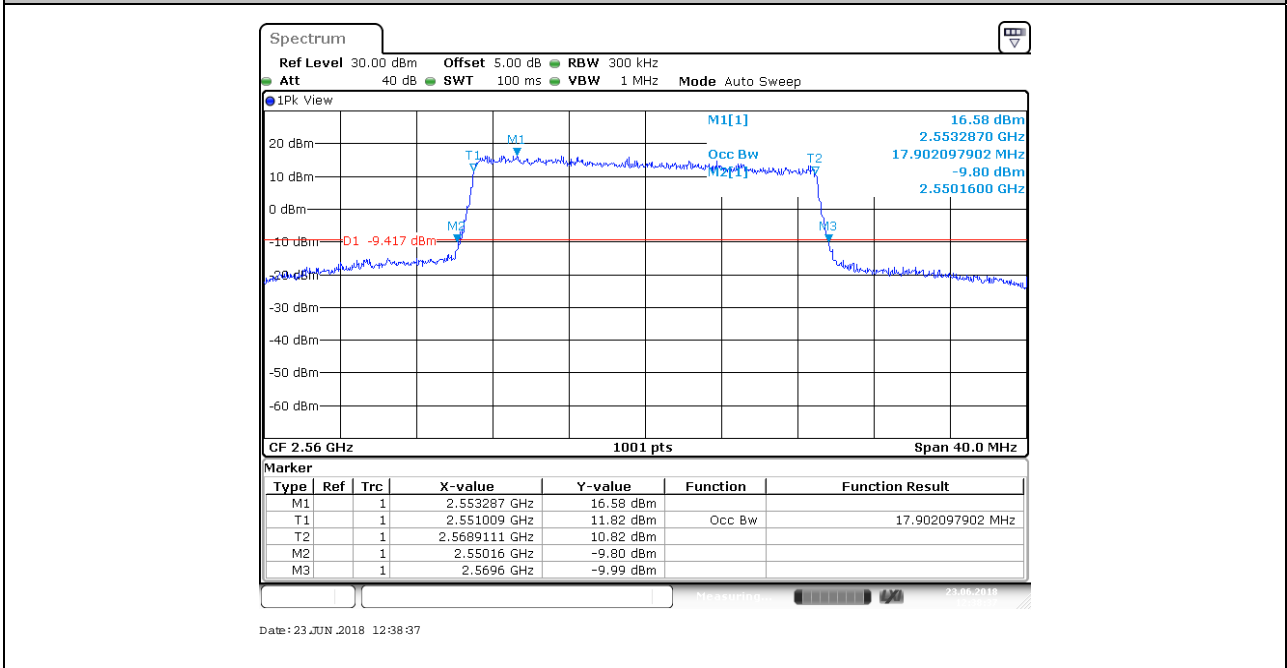
**BAND 7\_20MHz\_QPSK\_20850\_100RB#0**



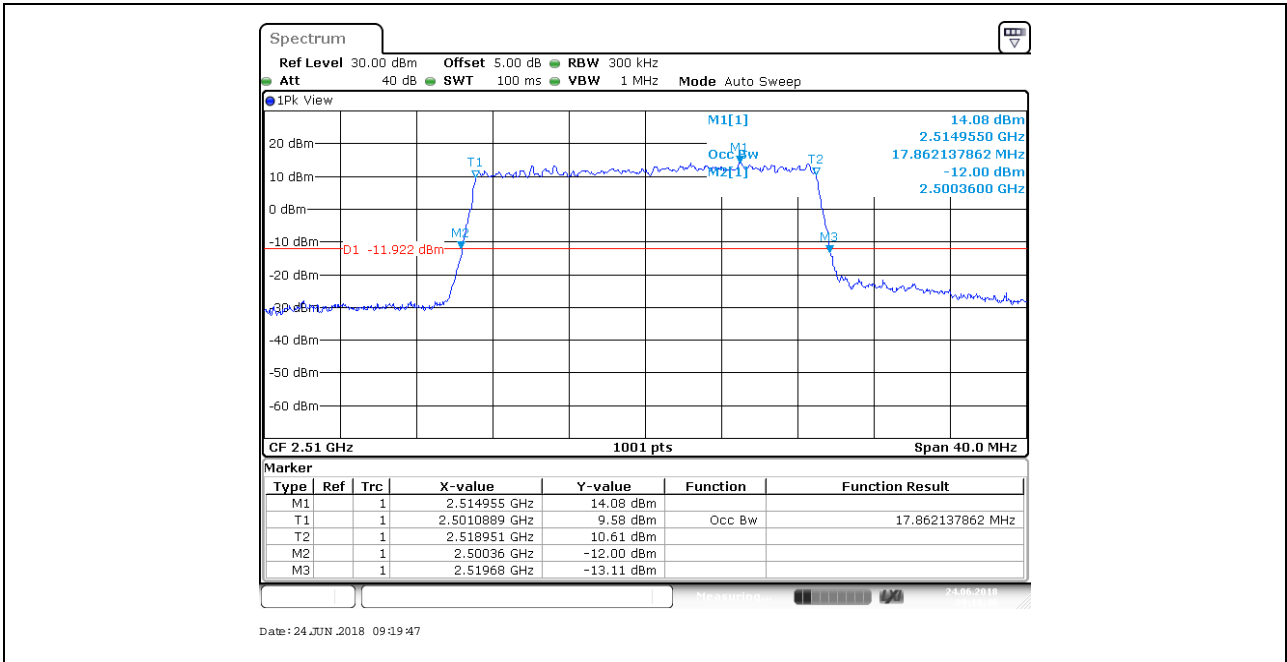
**BAND 7\_20MHz\_QPSK\_21100\_100RB#0**



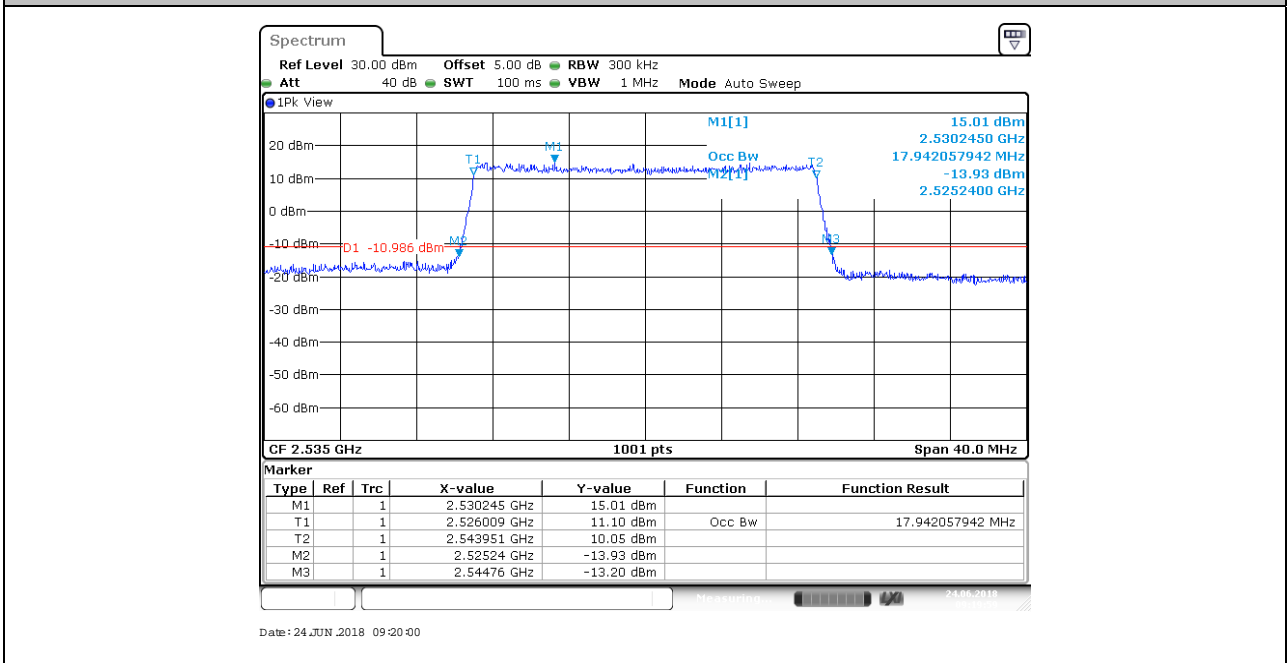
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**BAND 7\_20MHz\_64QAM\_20850\_100RB#0**

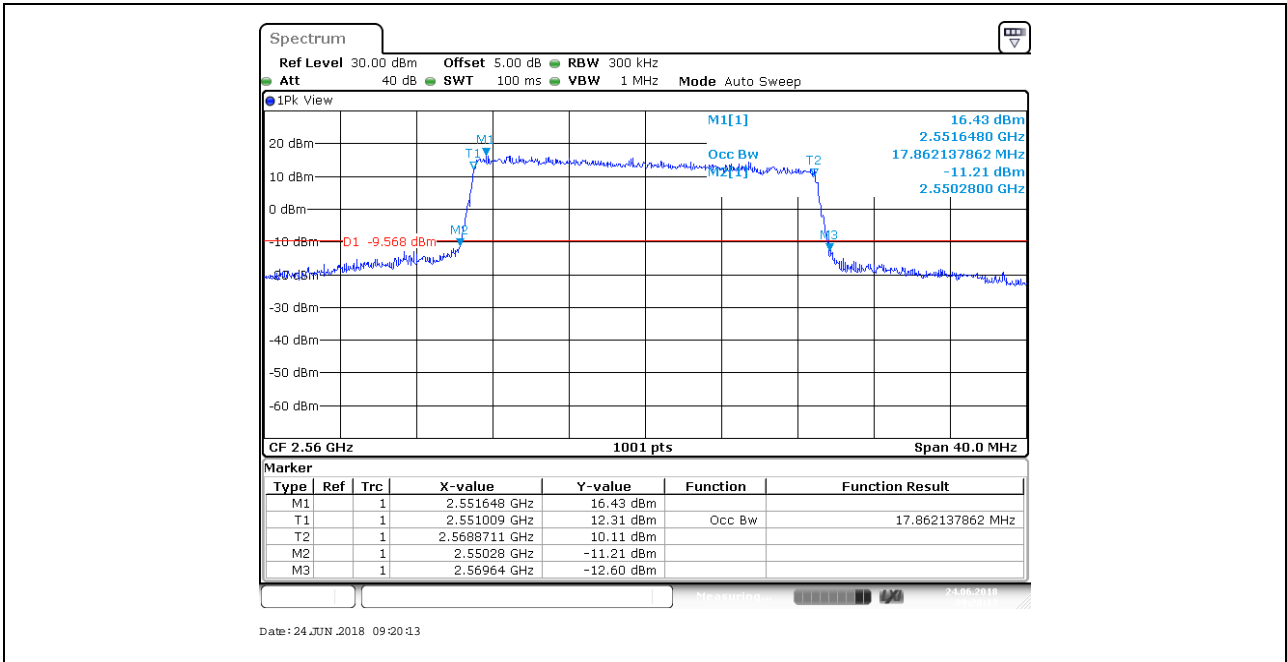


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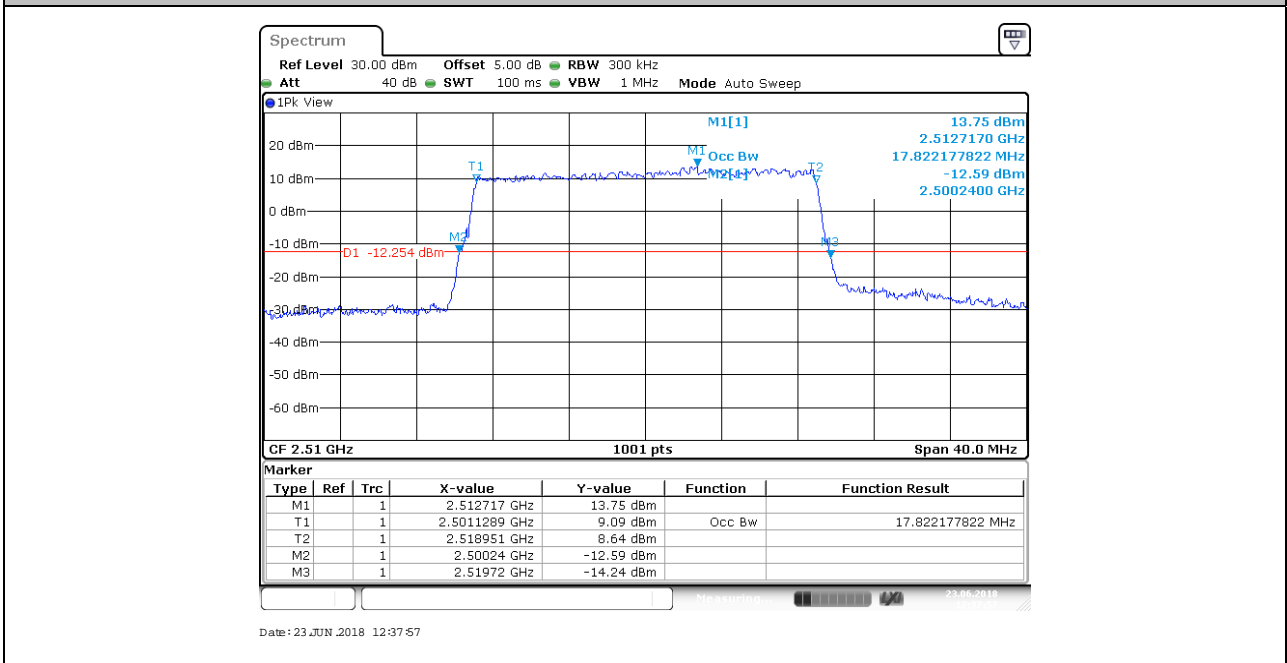


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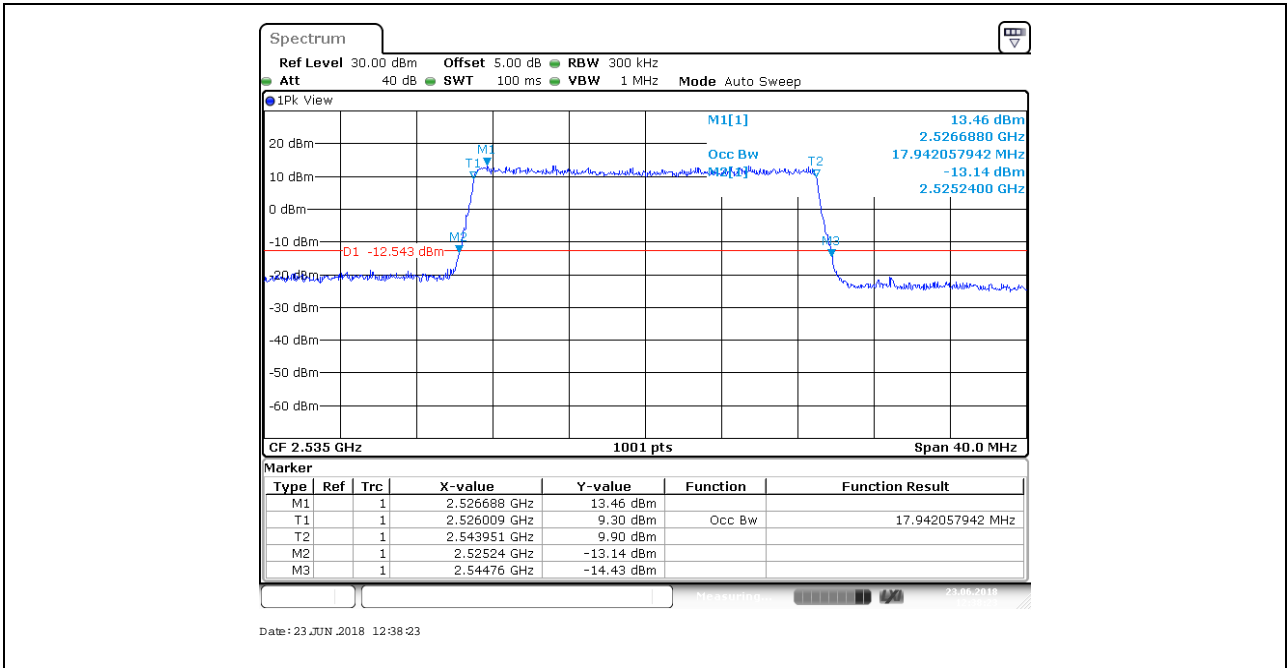




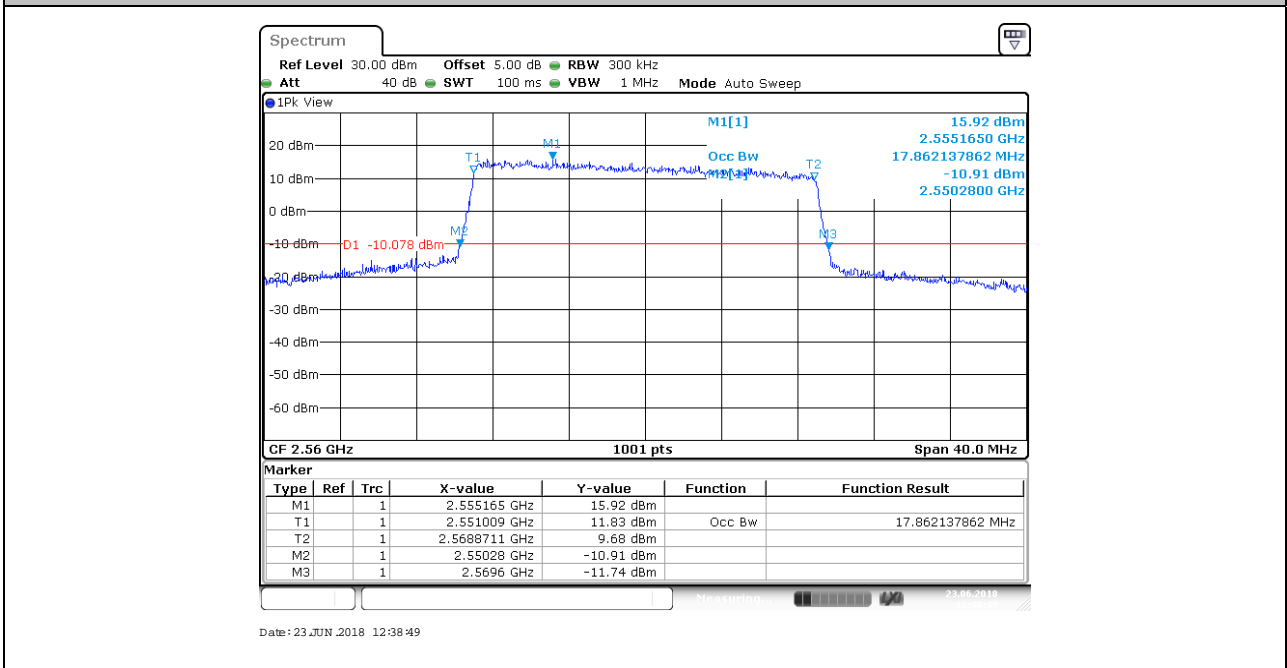
**BAND 7\_20MHz\_16QAM\_20850\_100RB#0**



**BAND 7\_20MHz\_16QAM\_21100\_100RB#0**



**BAND 7\_20MHz\_16QAM\_21350\_100RB#0**





## 5. Band Edge Compliance

### 5.1. Test Result

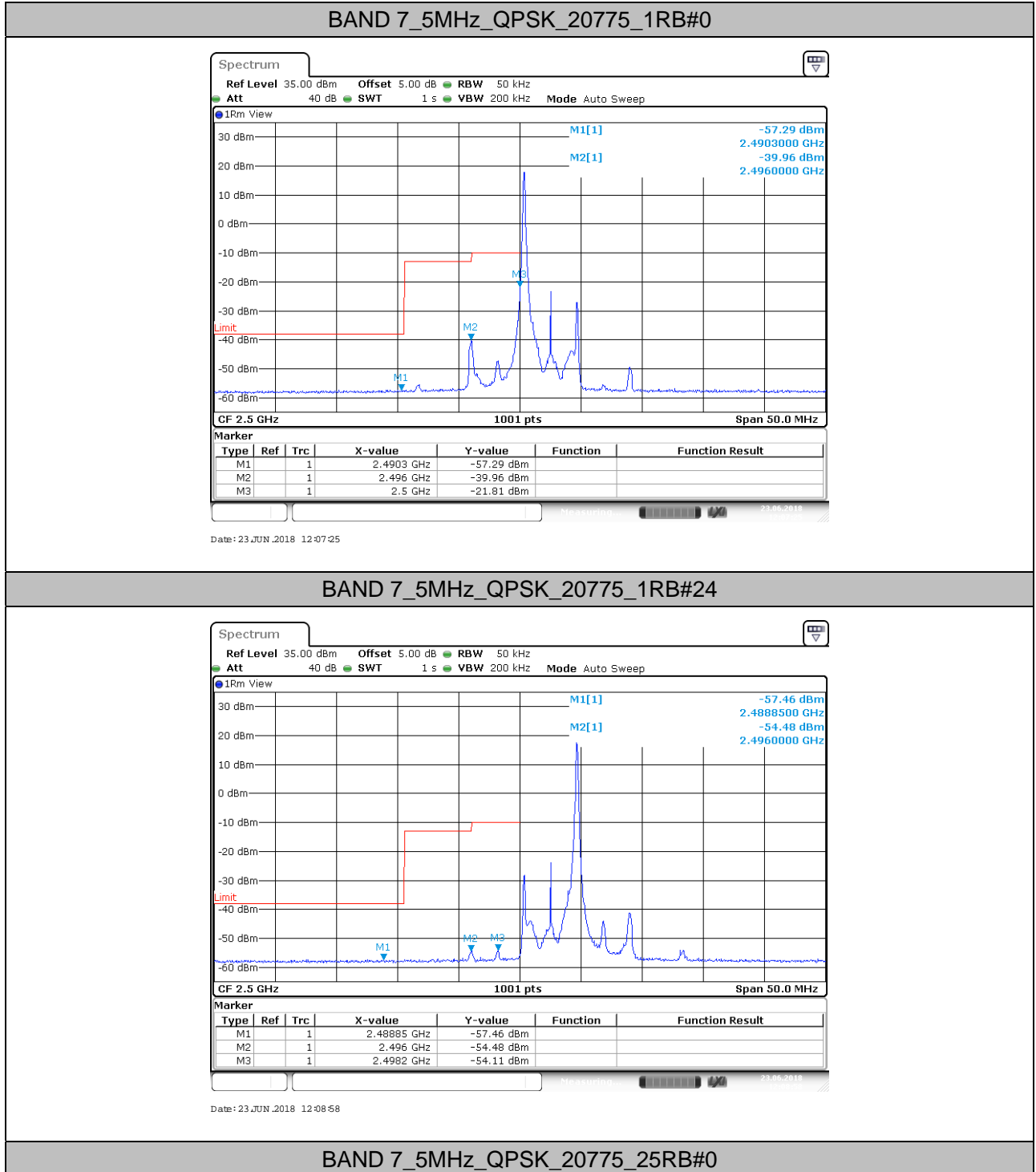
BAND	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
BAND 7	5MHz	QPSK	20775	1RB#0	-57.29,-39.96,-21.81	PASS
BAND 7	5MHz	QPSK	20775	1RB#24	-57.46,-54.48,-54.11	PASS
BAND 7	5MHz	QPSK	20775	25RB#0	-51.23,-35.41,-29.89	PASS
BAND 7	5MHz	QPSK	21425	1RB#0	-56.92,-56.87,-52.75	PASS
BAND 7	5MHz	QPSK	21425	1RB#24	-56.07,-56.80,-24.55	PASS
BAND 7	5MHz	QPSK	21425	25RB#0	-42.23,-40.33,-27.49	PASS
BAND 7	5MHz	64QAM	20775	1RB#0	-57.00,-41.42,-21.32	PASS
BAND 7	5MHz	64QAM	20775	1RB#24	-57.28,-54.44,-53.44	PASS
BAND 7	5MHz	64QAM	20775	25RB#0	-53.35,-41.31,-31.10	PASS
BAND 7	5MHz	64QAM	21425	1RB#0	-56.81,-57.01,-51.62	PASS
BAND 7	5MHz	64QAM	21425	1RB#24	-55.96,-56.87,-24.17	PASS
BAND 7	5MHz	64QAM	21425	25RB#0	-40.93,-38.32,-28.89	PASS
BAND 7	5MHz	16QAM	20775	1RB#0	-57.31,-41.03,-21.94	PASS
BAND 7	5MHz	16QAM	20775	1RB#24	-57.27,-55.05,-54.62	PASS
BAND 7	5MHz	16QAM	20775	25RB#0	-53.26,-38.99,-30.85	PASS
BAND 7	5MHz	16QAM	21425	1RB#0	-56.96,-57.30,-52.71	PASS
BAND 7	5MHz	16QAM	21425	1RB#24	-55.98,-57.05,-24.13	PASS
BAND 7	5MHz	16QAM	21425	25RB#0	-42.12,-39.64,-28.87	PASS
BAND 7	10MHz	QPSK	20800	1RB#0	-54.57,-42.95,-31.81	PASS
BAND 7	10MHz	QPSK	20800	1RB#49	-54.55,-50.14,-51.24	PASS
BAND 7	10MHz	QPSK	20800	50RB#0	-41.86,-38.57,-33.13	PASS
BAND 7	10MHz	QPSK	21400	1RB#0	-54.59,-52.66,-52.54	PASS
BAND 7	10MHz	QPSK	21400	1RB#49	-54.36,-44.62,-34.06	PASS
BAND 7	10MHz	QPSK	21400	50RB#0	-40.83,-32.47,-26.39	PASS
BAND 7	10MHz	64QAM	20800	1RB#0	-54.62,-42.94,-31.15	PASS
BAND 7	10MHz	64QAM	20800	1RB#49	-54.57,-50.26,-51.68	PASS
BAND 7	10MHz	64QAM	20800	50RB#0	-43.68,-36.85,-33.17	PASS
BAND 7	10MHz	64QAM	21400	1RB#0	-54.44,-51.84,-52.92	PASS
BAND 7	10MHz	64QAM	21400	1RB#49	-54.46,-45.91,-32.44	PASS
BAND 7	10MHz	64QAM	21400	50RB#0	-38.90,-34.24,-30.45	PASS
BAND 7	10MHz	16QAM	20800	1RB#0	-54.61,-42.97,-31.33	PASS
BAND 7	10MHz	16QAM	20800	1RB#49	-54.75,-50.59,-51.85	PASS
BAND 7	10MHz	16QAM	20800	50RB#0	-44.52,-38.02,-34.22	PASS
BAND 7	10MHz	16QAM	21400	1RB#0	-54.54,-52.64,-52.57	PASS
BAND 7	10MHz	16QAM	21400	1RB#49	-54.59,-44.42,-33.14	PASS

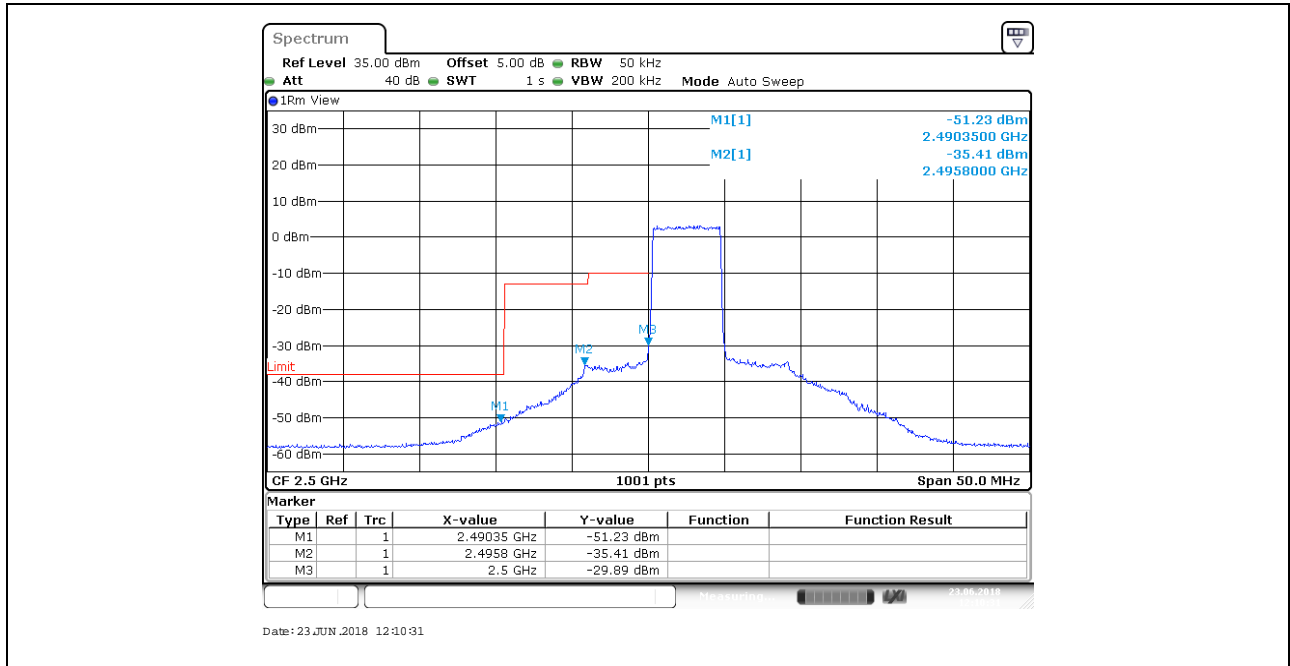


BAND 7	10MHz	16QAM	21400	50RB#0	-40.54,-34.51,-29.41	PASS
BAND 7	15MHz	QPSK	20825	1RB#0	-46.08,-41.34,-26.85	PASS
BAND 7	15MHz	QPSK	20825	1RB#74	-47.50,-48.19,-47.66	PASS
BAND 7	15MHz	QPSK	20825	75RB#0	-37.84,-36.85,-32.37	PASS
BAND 7	15MHz	QPSK	21375	1RB#0	-50.30,-49.68,-47.78	PASS
BAND 7	15MHz	QPSK	21375	1RB#74	-50.25,-45.17,-28.84	PASS
BAND 7	15MHz	QPSK	21375	75RB#0	-43.23,-27.44,-22.40	PASS
BAND 7	15MHz	64QAM	20825	1RB#0	-45.90,-40.03,-25.69	PASS
BAND 7	15MHz	64QAM	20825	1RB#74	-47.80,-48.54,-47.68	PASS
BAND 7	15MHz	64QAM	20825	75RB#0	-39.60,-36.50,-33.68	PASS
BAND 7	15MHz	64QAM	21375	1RB#0	-50.07,-49.59,-48.43	PASS
BAND 7	15MHz	64QAM	21375	1RB#74	-50.17,-45.70,-26.39	PASS
BAND 7	15MHz	64QAM	21375	75RB#0	-44.89,-34.37,-30.49	PASS
BAND 7	15MHz	16QAM	20825	1RB#0	-46.44,-41.40,-26.60	PASS
BAND 7	15MHz	16QAM	20825	1RB#74	-47.96,-48.77,-47.86	PASS
BAND 7	15MHz	16QAM	20825	75RB#0	-40.13,-37.16,-34.35	PASS
BAND 7	15MHz	16QAM	21375	1RB#0	-50.33,-49.53,-48.12	PASS
BAND 7	15MHz	16QAM	21375	1RB#74	-50.16,-45.65,-27.88	PASS
BAND 7	15MHz	16QAM	21375	75RB#0	-44.11,-33.41,-29.23	PASS
BAND 7	20MHz	QPSK	20850	1RB#0	-48.97,-40.59,-29.92	PASS
BAND 7	20MHz	QPSK	20850	1RB#99	-49.12,-48.46,-50.01	PASS
BAND 7	20MHz	QPSK	20850	100RB#0	-31.02,-27.08,-25.49	PASS
BAND 7	20MHz	QPSK	21350	1RB#0	-50.29,-49.62,-50.09	PASS
BAND 7	20MHz	QPSK	21350	1RB#99	-50.29,-46.01,-32.63	PASS
BAND 7	20MHz	QPSK	21350	100RB#0	-45.48,-34.77,-31.59	PASS
BAND 7	20MHz	64QAM	20850	1RB#0	-48.85,-39.72,-29.11	PASS
BAND 7	20MHz	64QAM	20850	1RB#99	-49.35,-48.72,-49.48	PASS
BAND 7	20MHz	64QAM	20850	100RB#0	-37.61,-34.45,-33.17	PASS
BAND 7	20MHz	64QAM	21350	1RB#0	-50.10,-49.28,-49.86	PASS
BAND 7	20MHz	64QAM	21350	1RB#99	-50.18,-45.86,-31.12	PASS
BAND 7	20MHz	64QAM	21350	100RB#0	-43.22,-31.85,-29.73	PASS
BAND 7	20MHz	16QAM	20850	1RB#0	-49.19,-40.74,-29.48	PASS
BAND 7	20MHz	16QAM	20850	1RB#99	-49.30,-49.00,-49.78	PASS
BAND 7	20MHz	16QAM	20850	100RB#0	-41.11,-39.66,-35.93	PASS
BAND 7	20MHz	16QAM	21350	1RB#0	-50.33,-49.84,-50.01	PASS
BAND 7	20MHz	16QAM	21350	1RB#99	-50.28,-46.13,-32.37	PASS
BAND 7	20MHz	16QAM	21350	100RB#0	-44.45,-31.57,-28.86	PASS

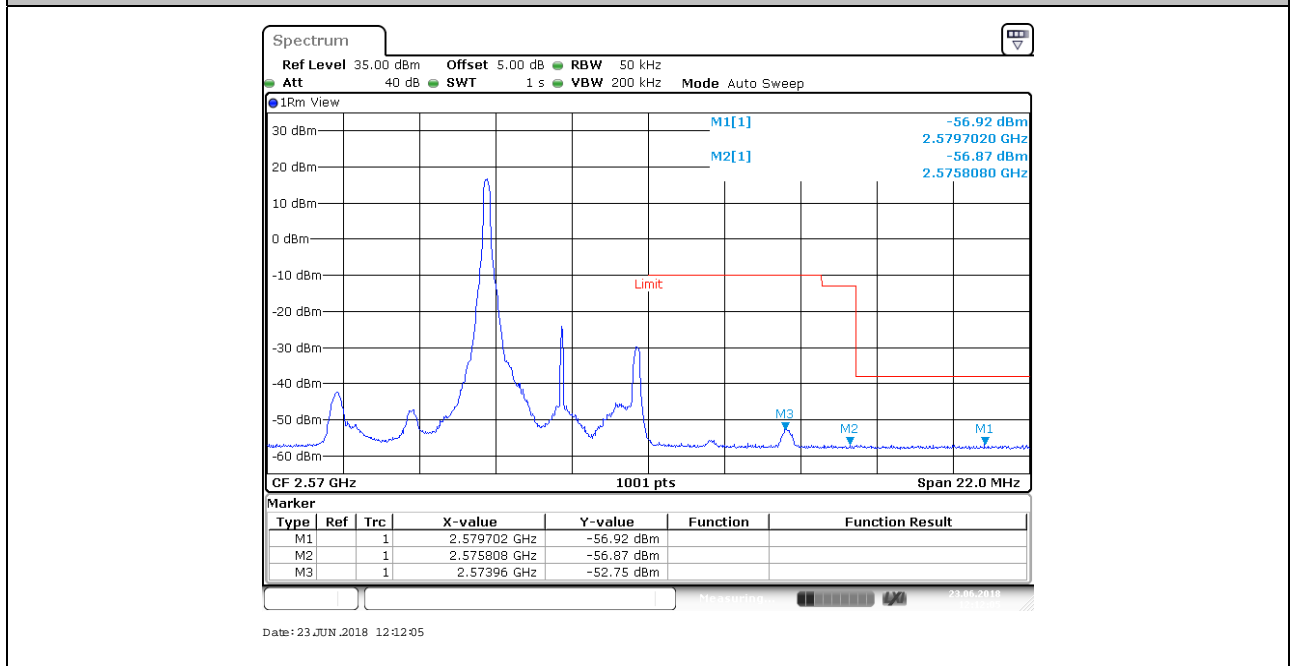


**5.2. Test Plots**

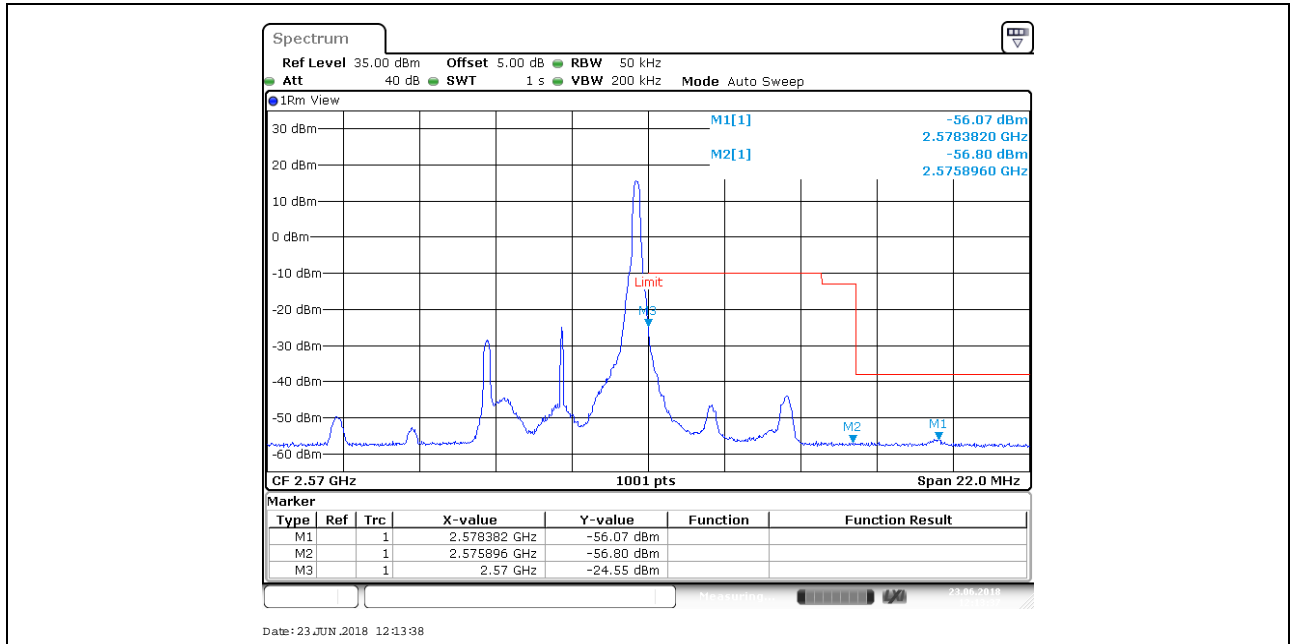




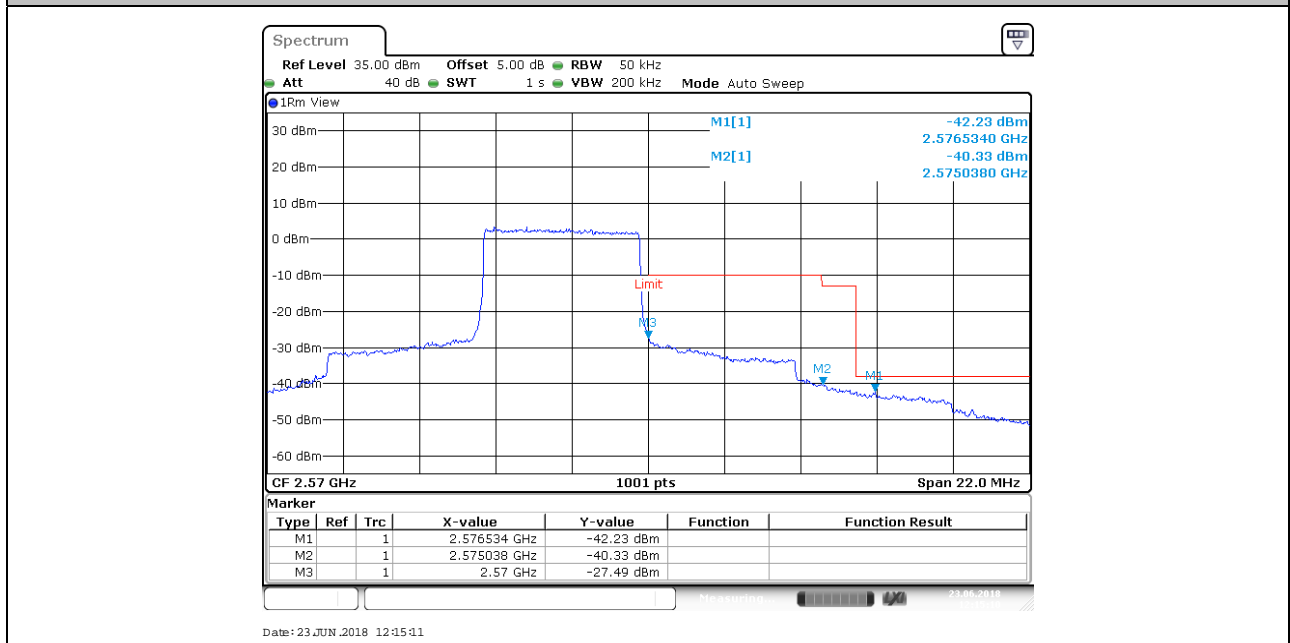
BAND 7\_5MHz\_QPSK\_21425\_1RB#0



BAND 7\_5MHz\_QPSK\_21425\_1RB#24

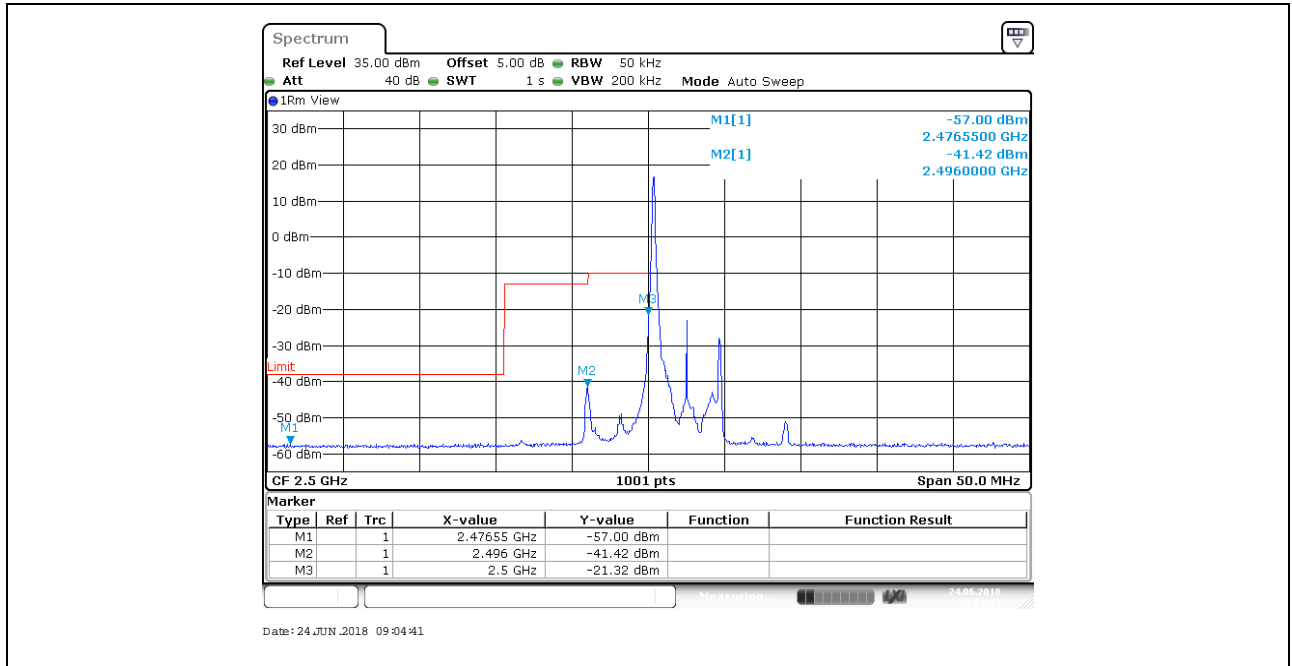


BAND 7\_5MHz\_QPSK\_21425\_25RB#0

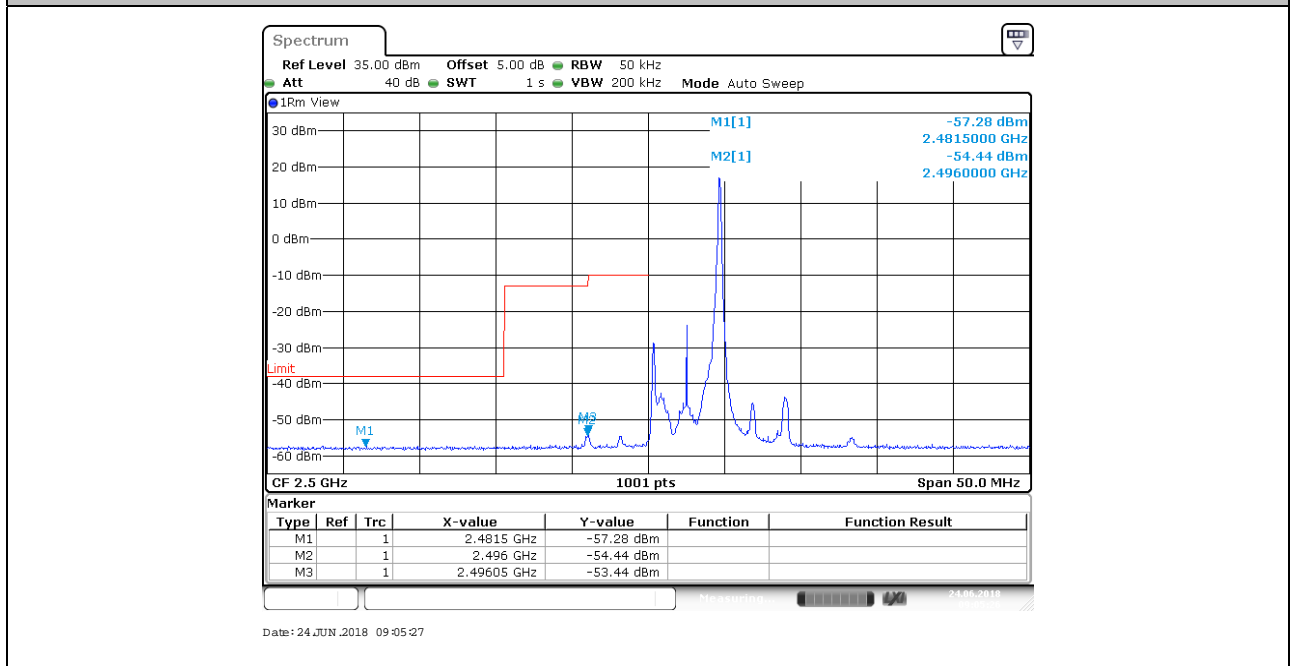


BAND 7\_5MHz\_64QAM\_20775\_1RB#0

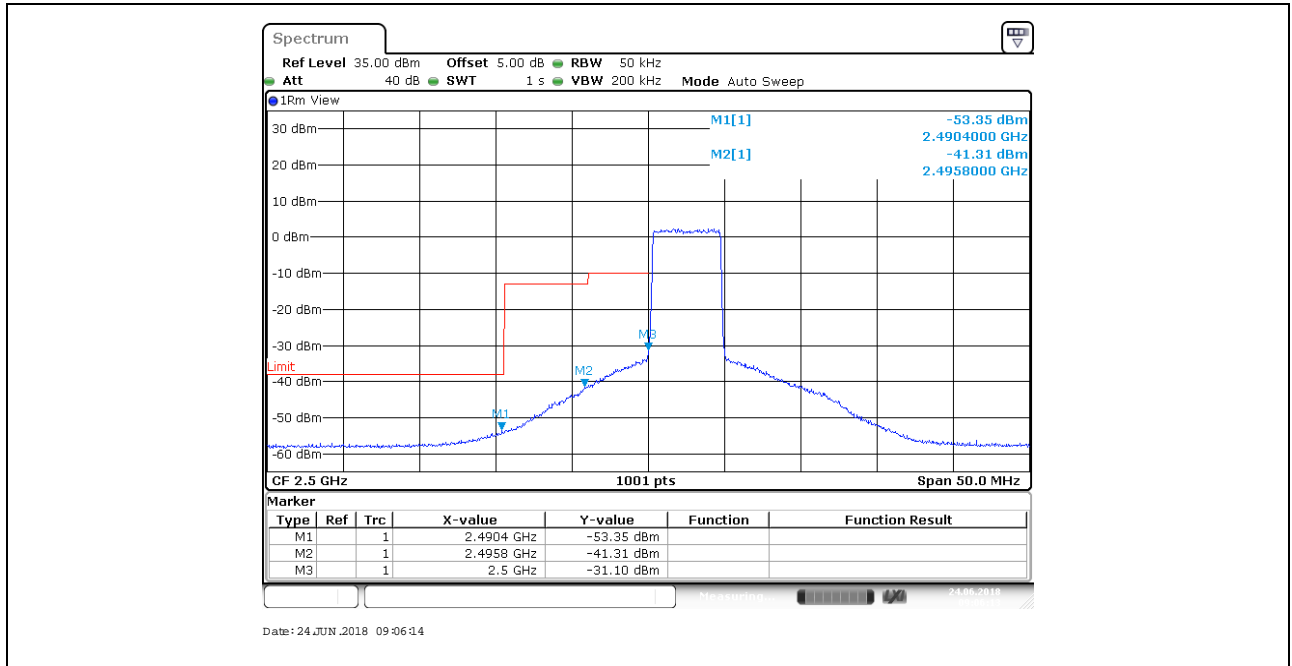




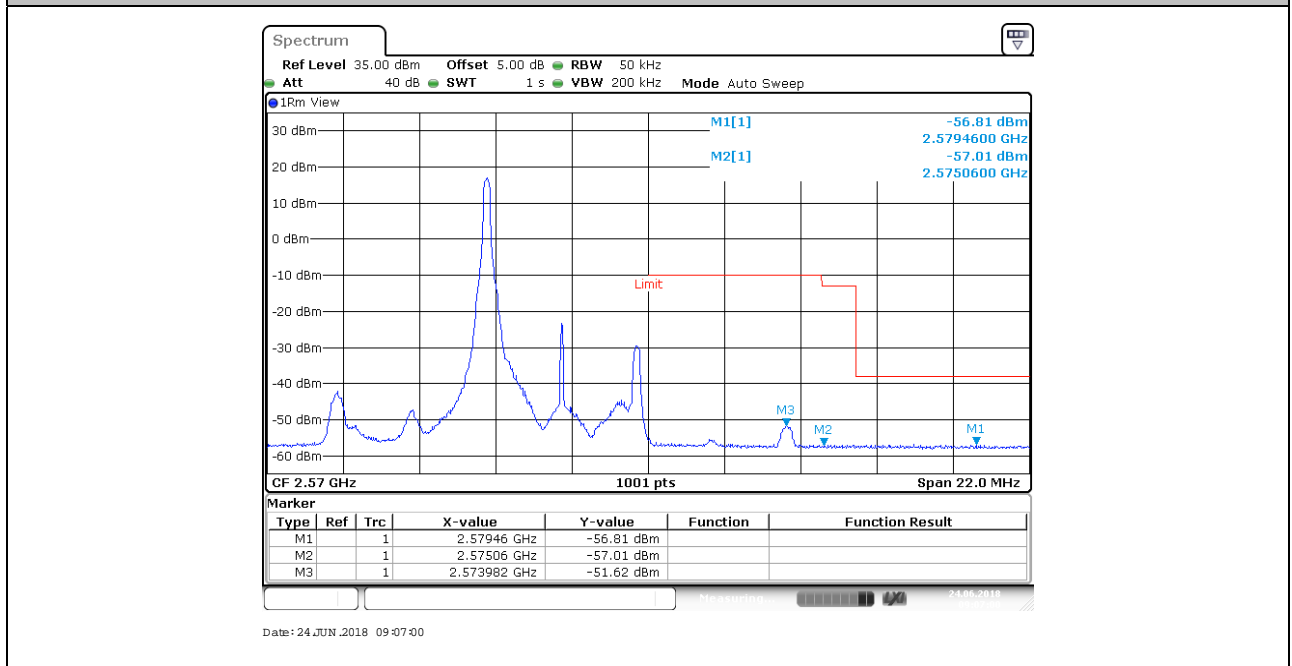
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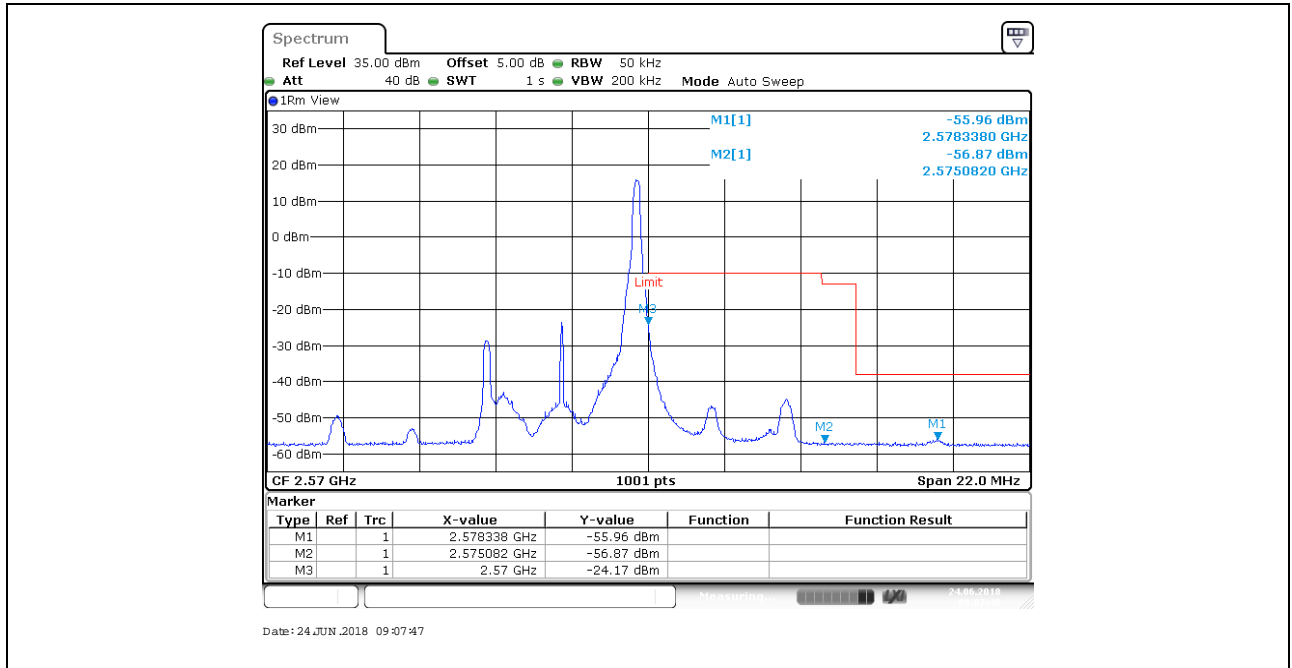
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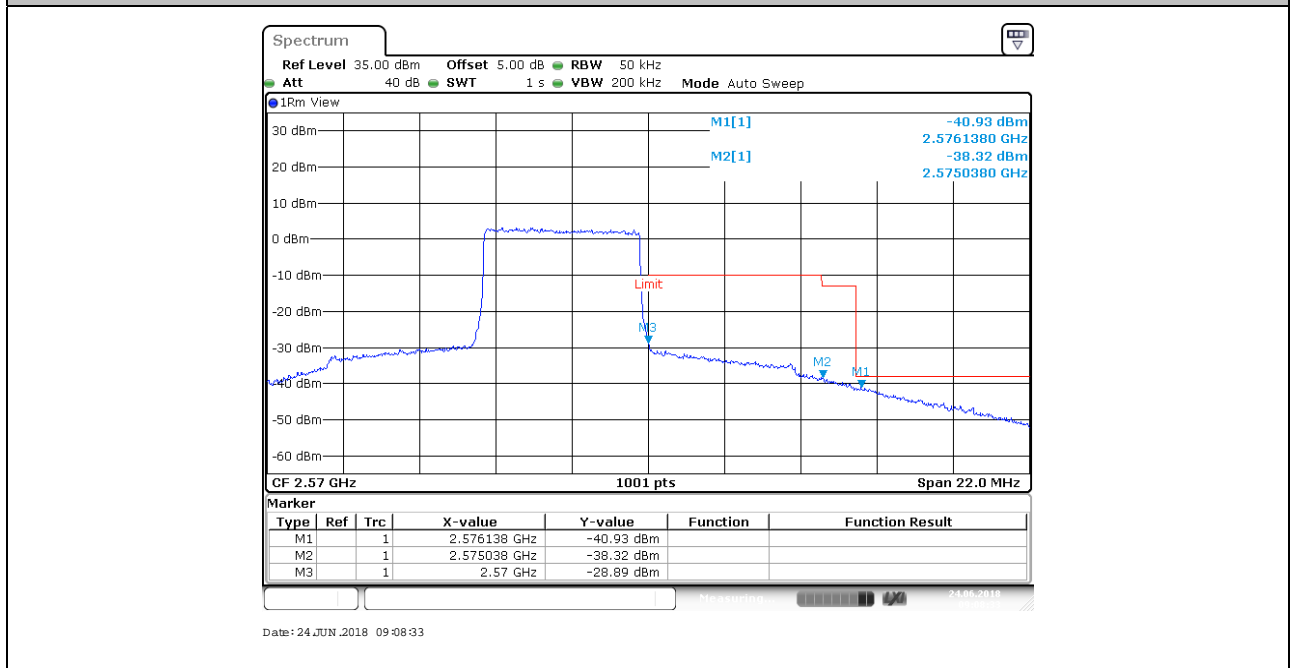
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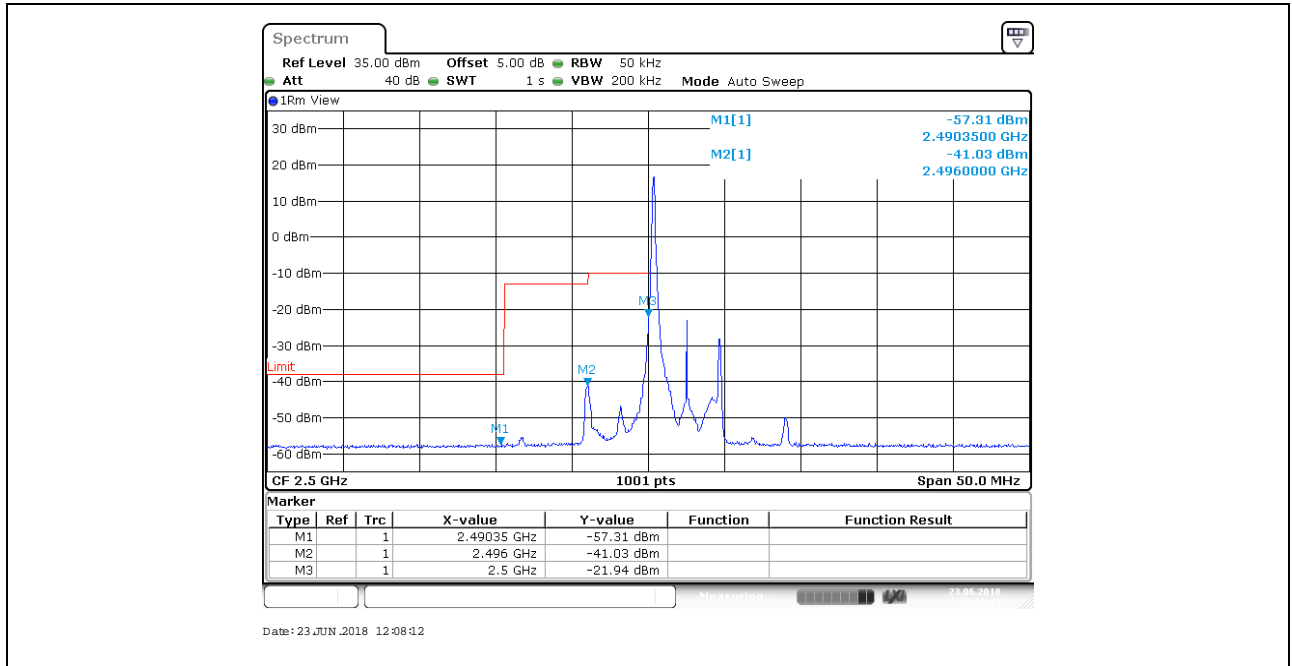
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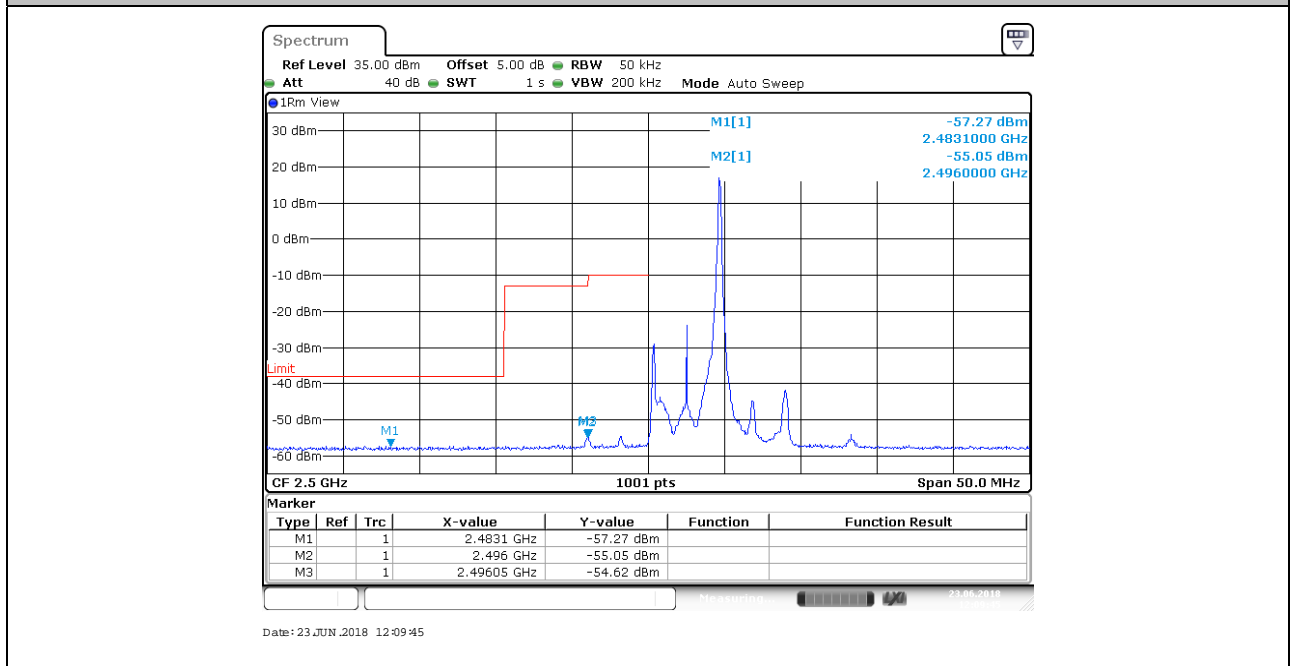
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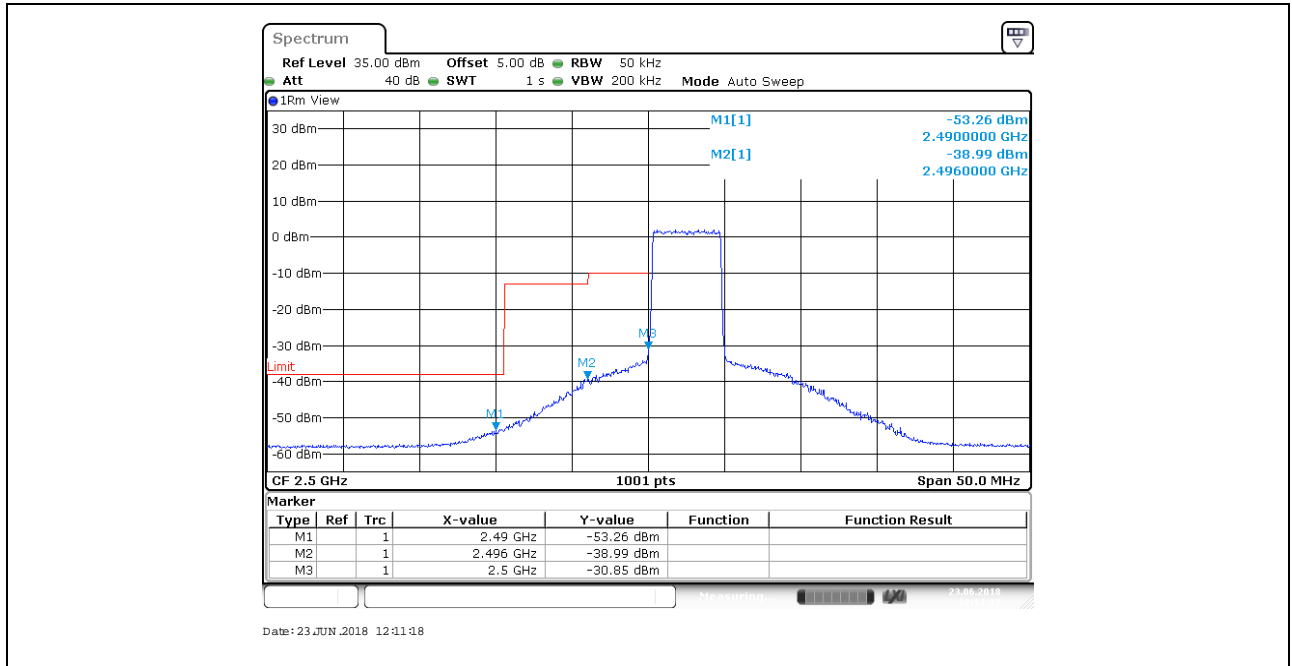
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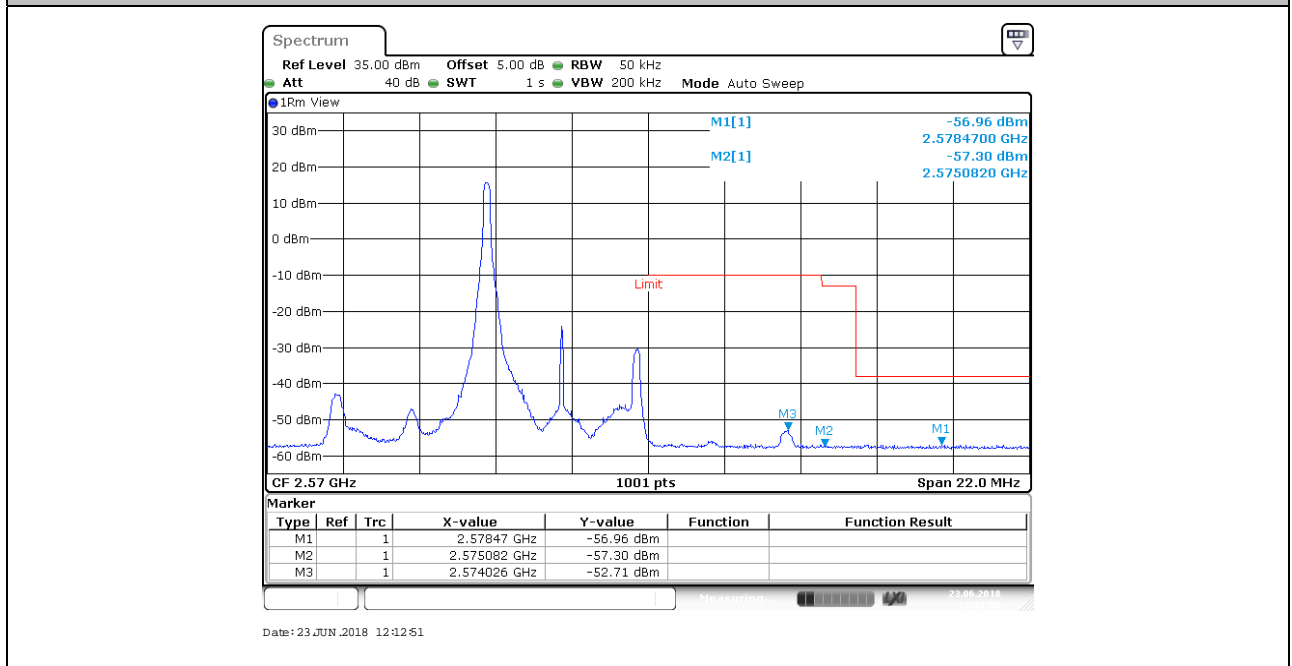
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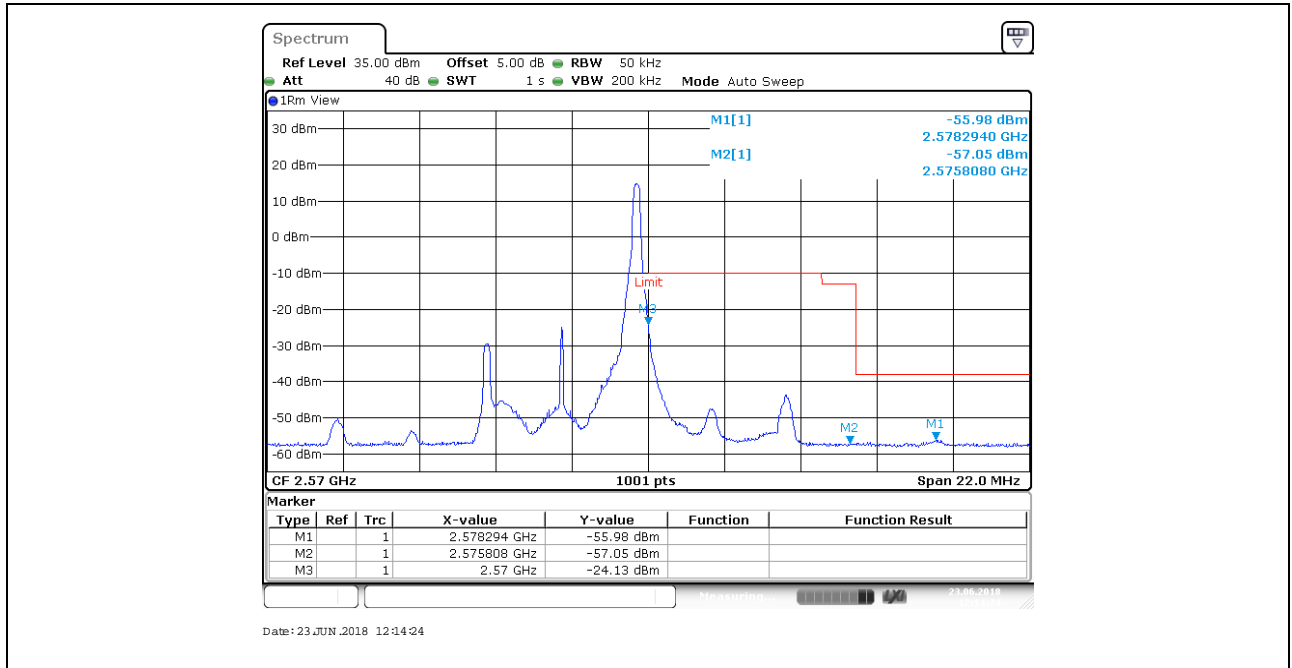
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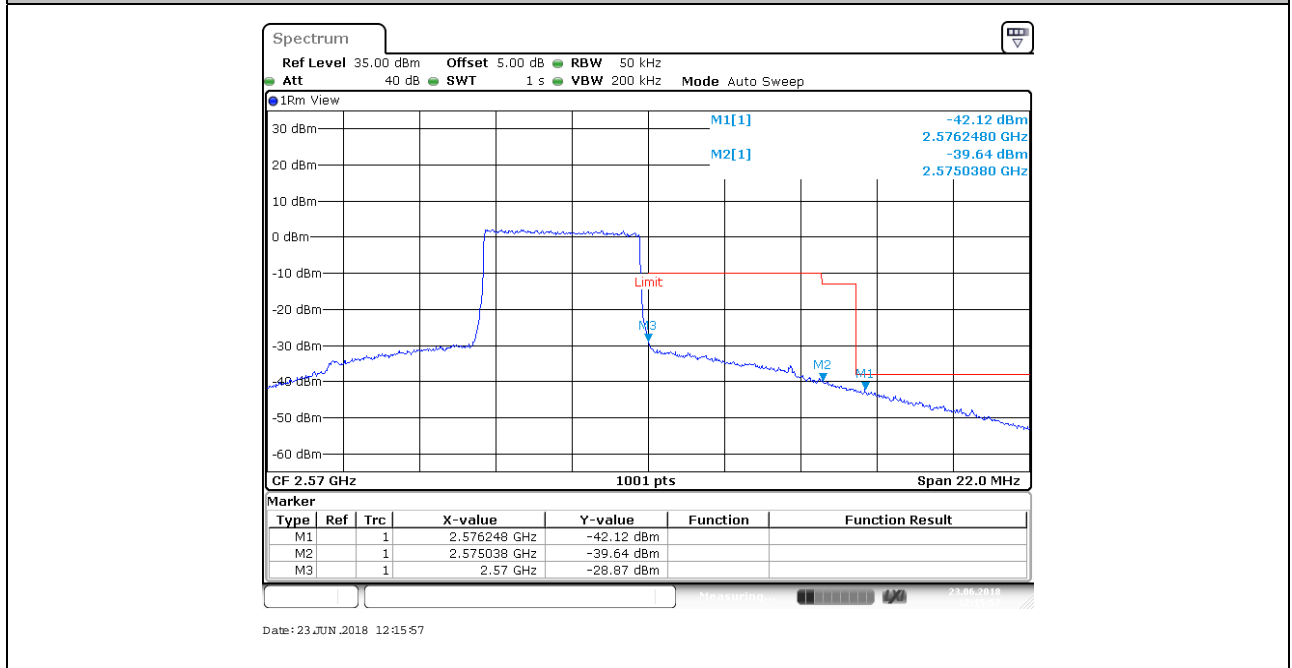
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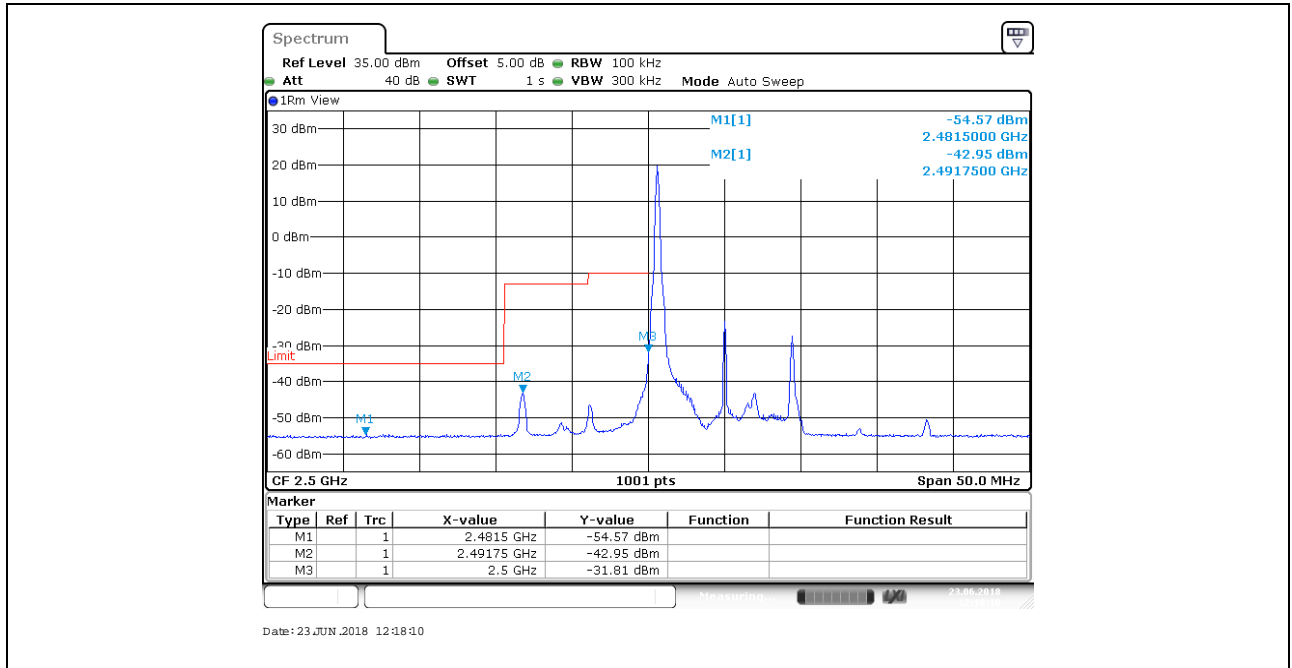
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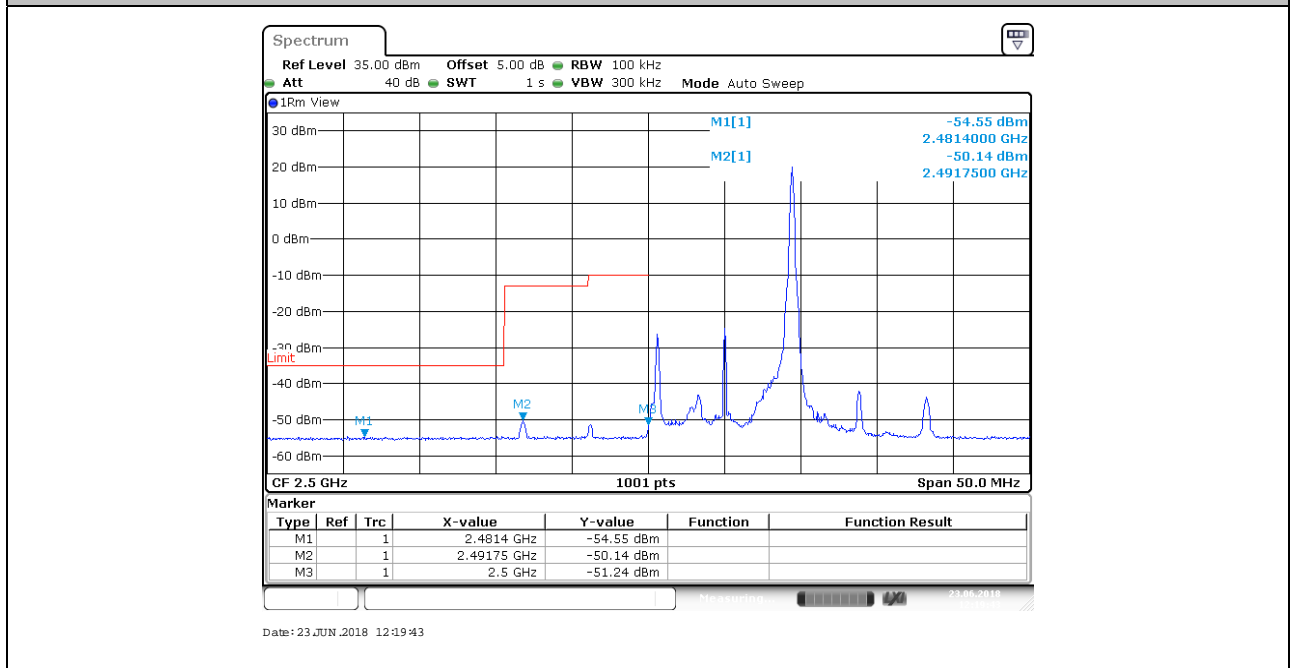
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**BAND 7\_10MHz\_QPSK\_20800\_1RB#0**

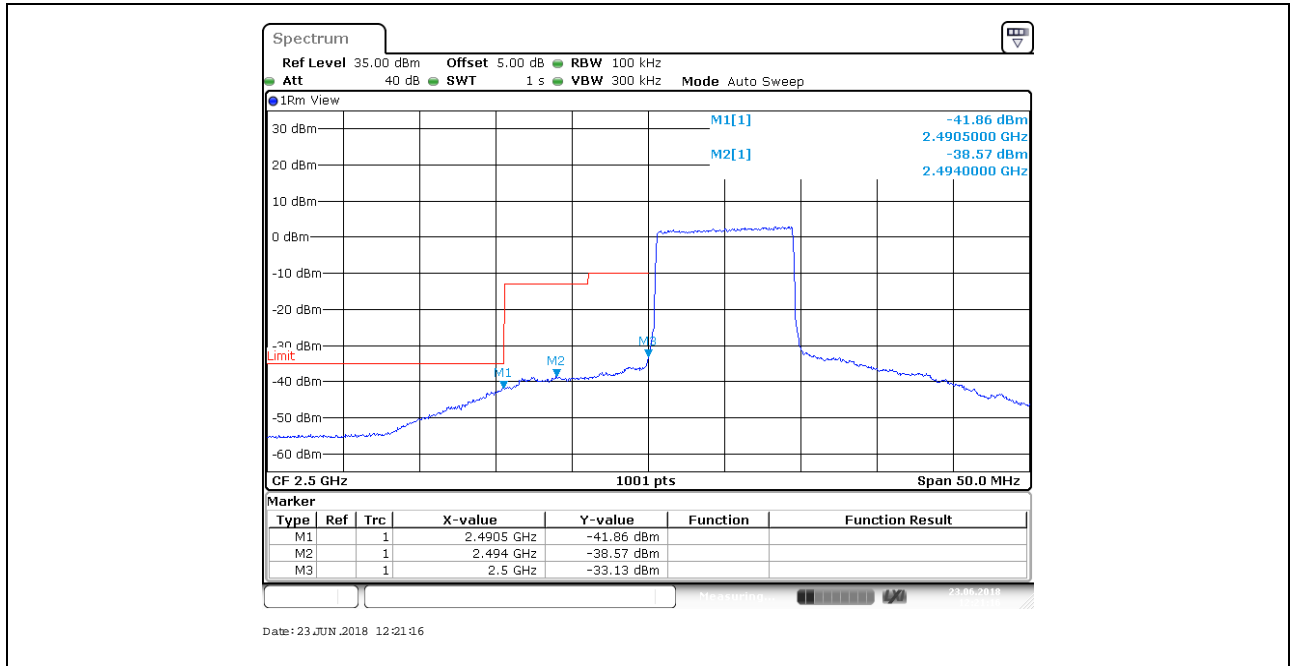


**BAND 7\_10MHz\_QPSK\_20800\_1RB#49**

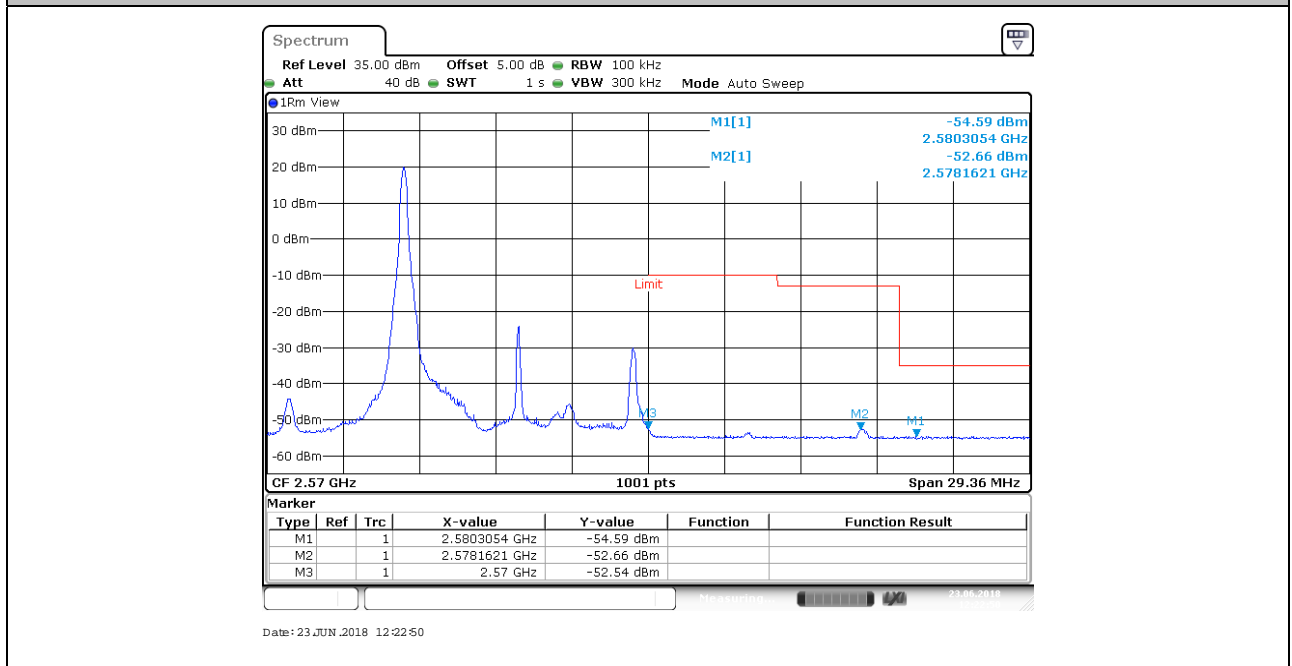


**BAND 7\_10MHz\_QPSK\_20800\_50RB#0**

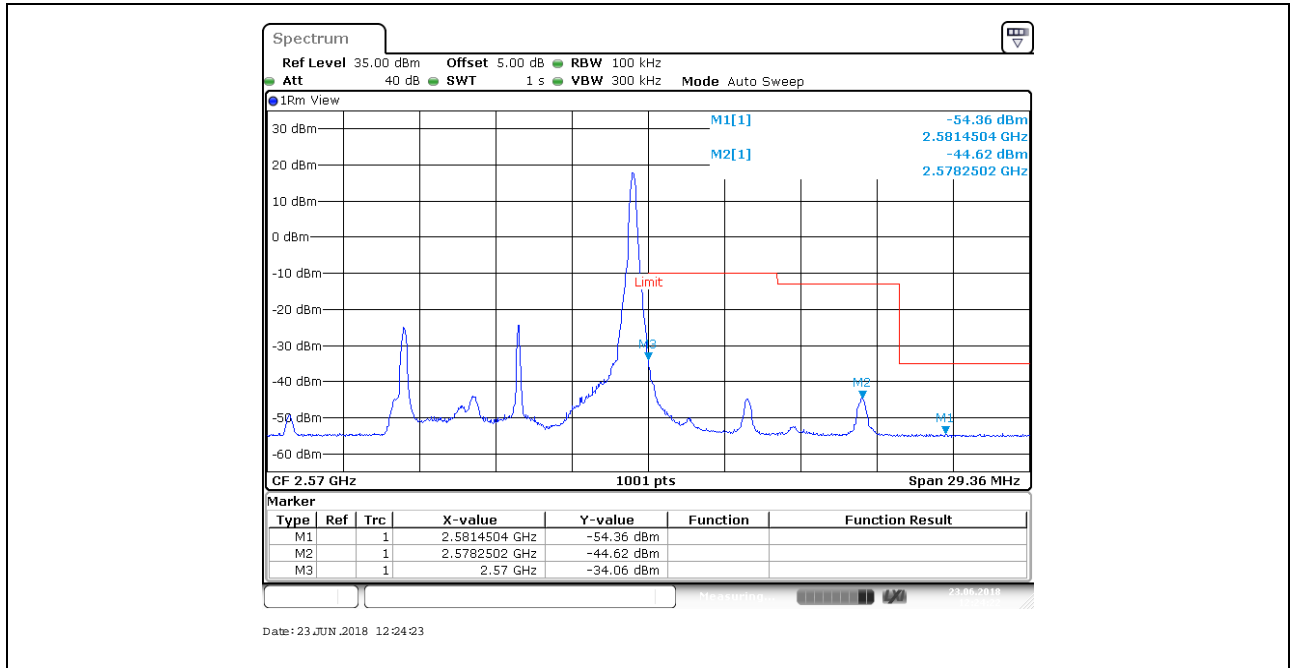




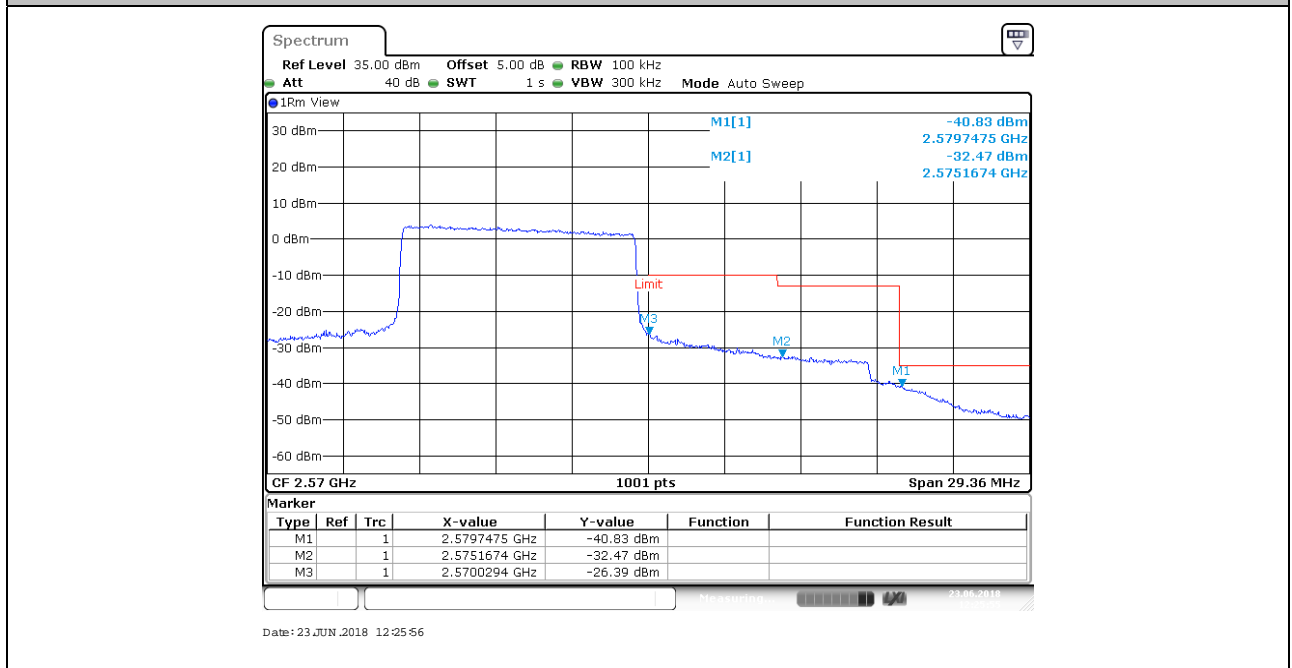
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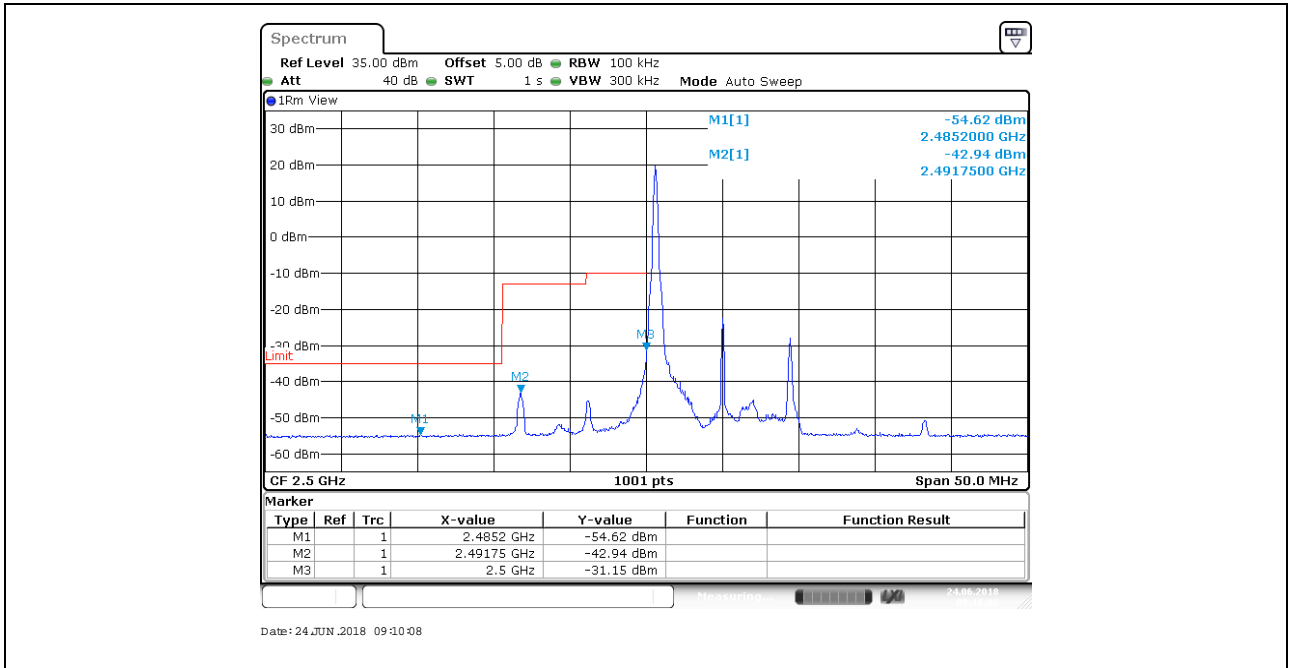
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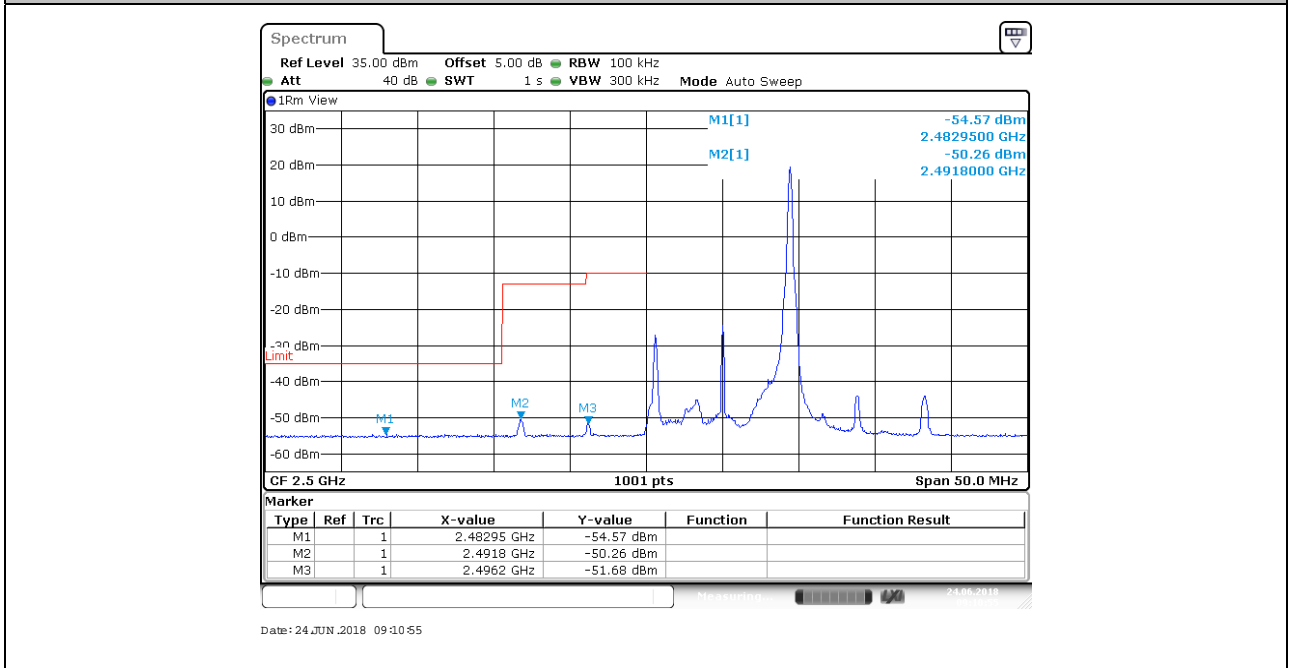
**BAND 7\_10MHz\_QPSK\_21400\_50RB#0**



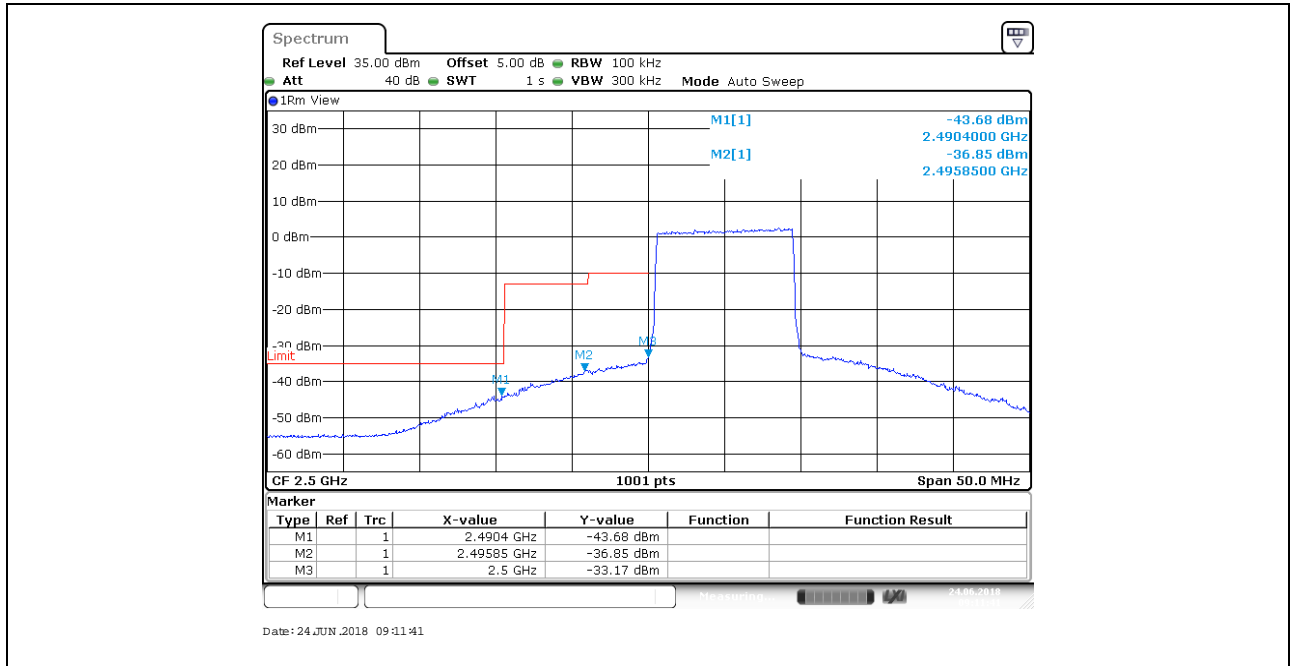
**BAND 7\_10MHz\_64QAM\_20800\_1RB#0**



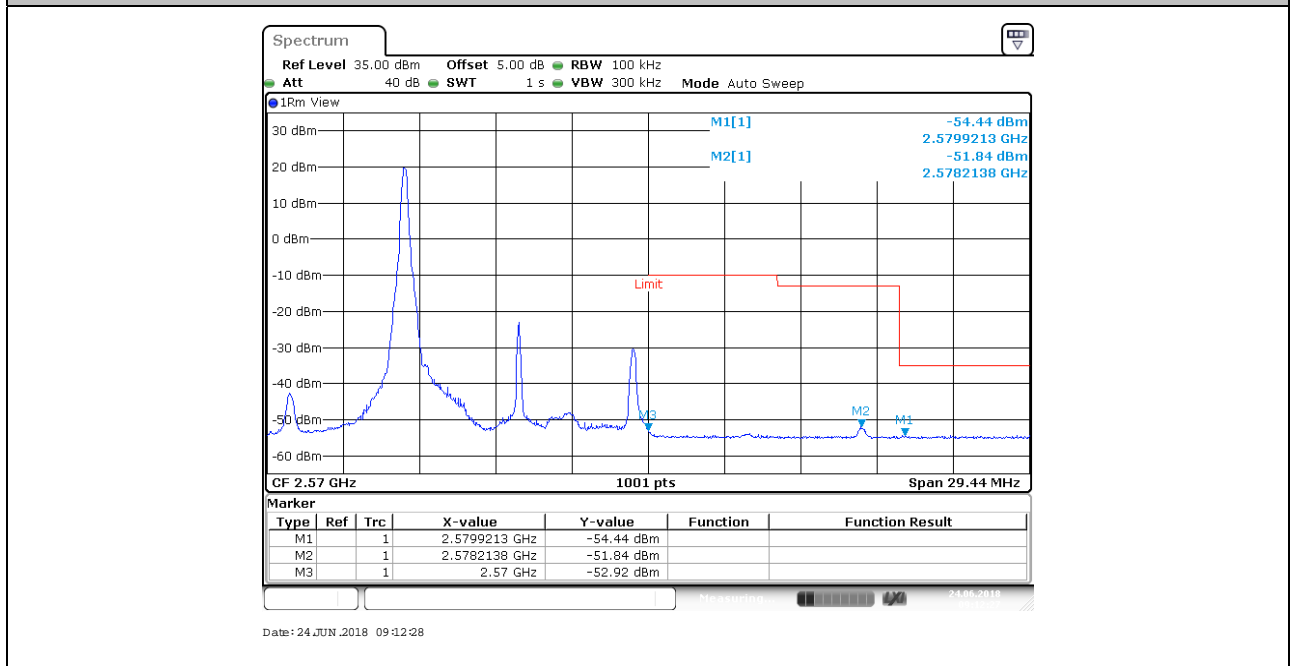
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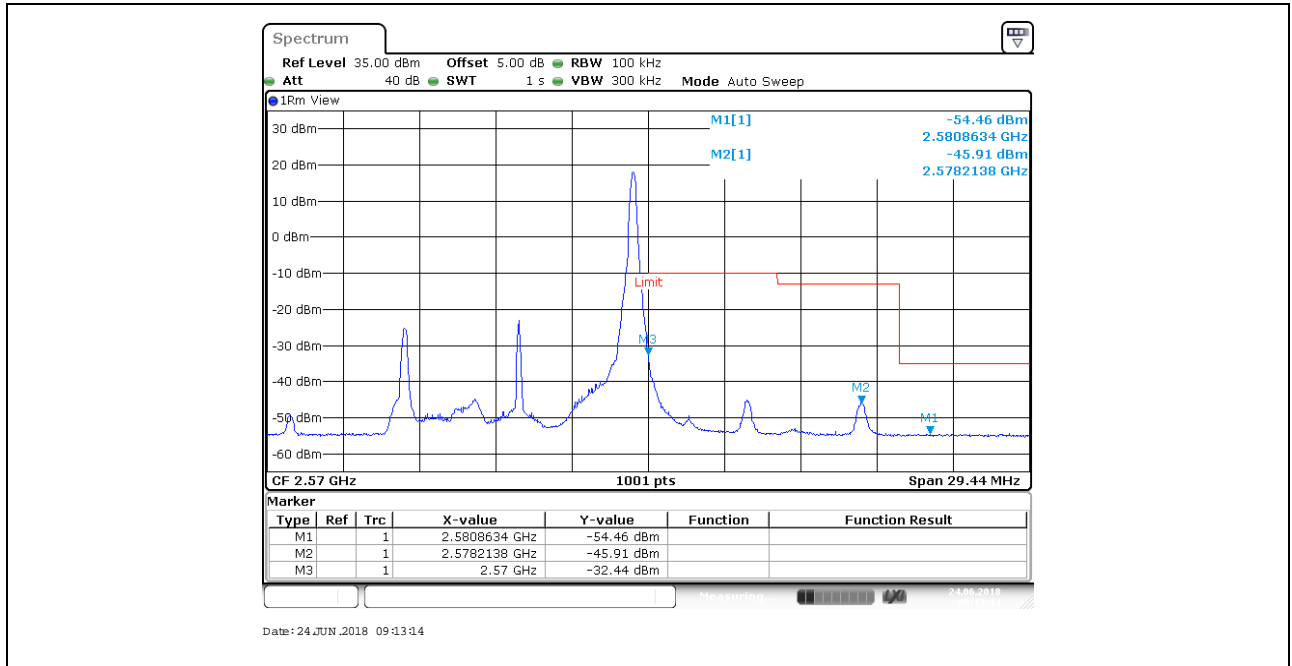
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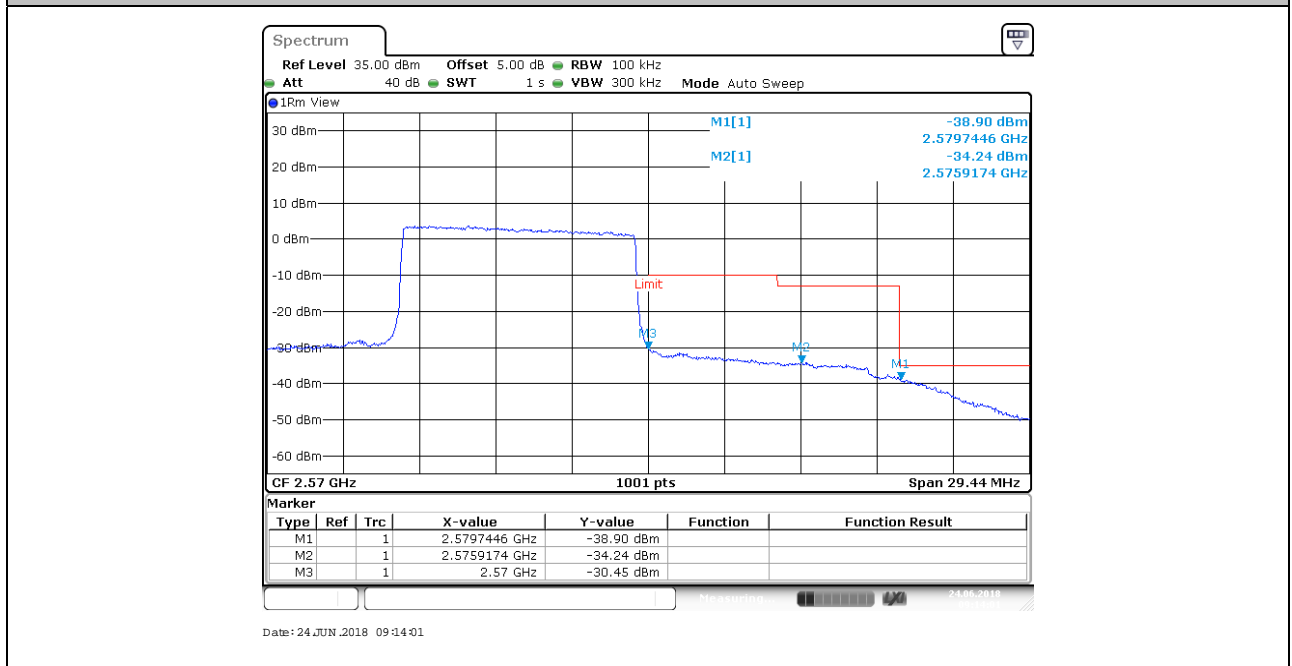
**BAND 7\_10MHz\_64QAM\_21400\_1RB#0**



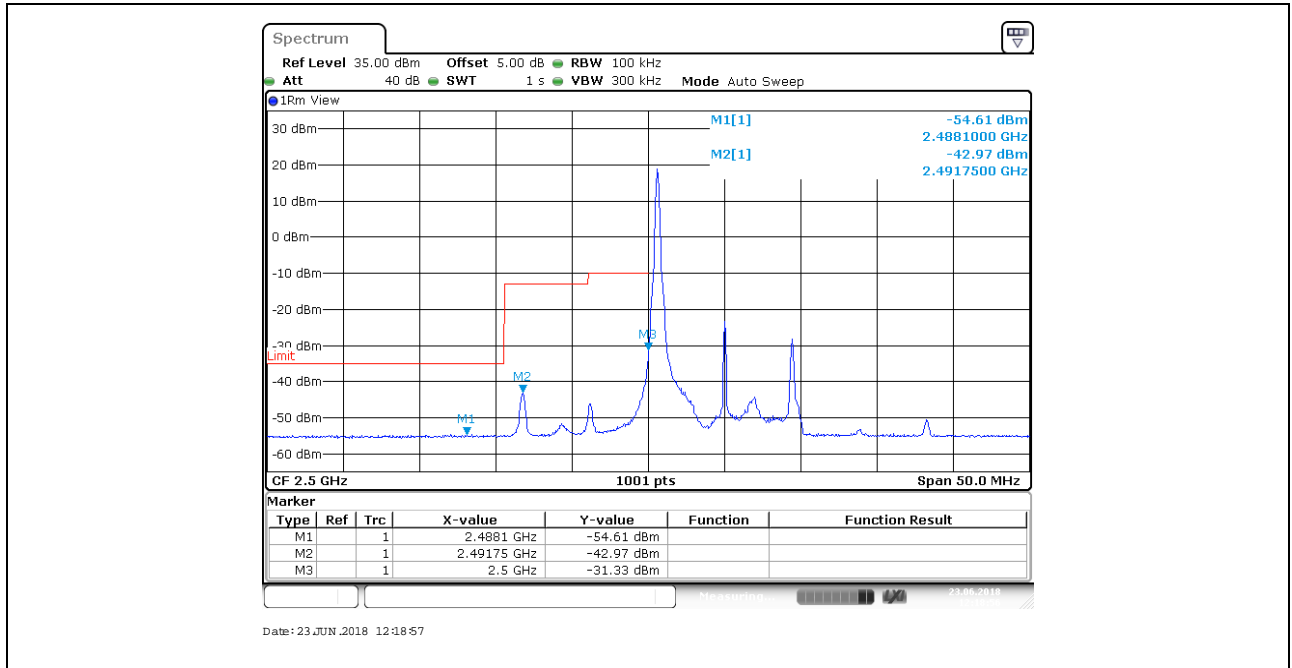
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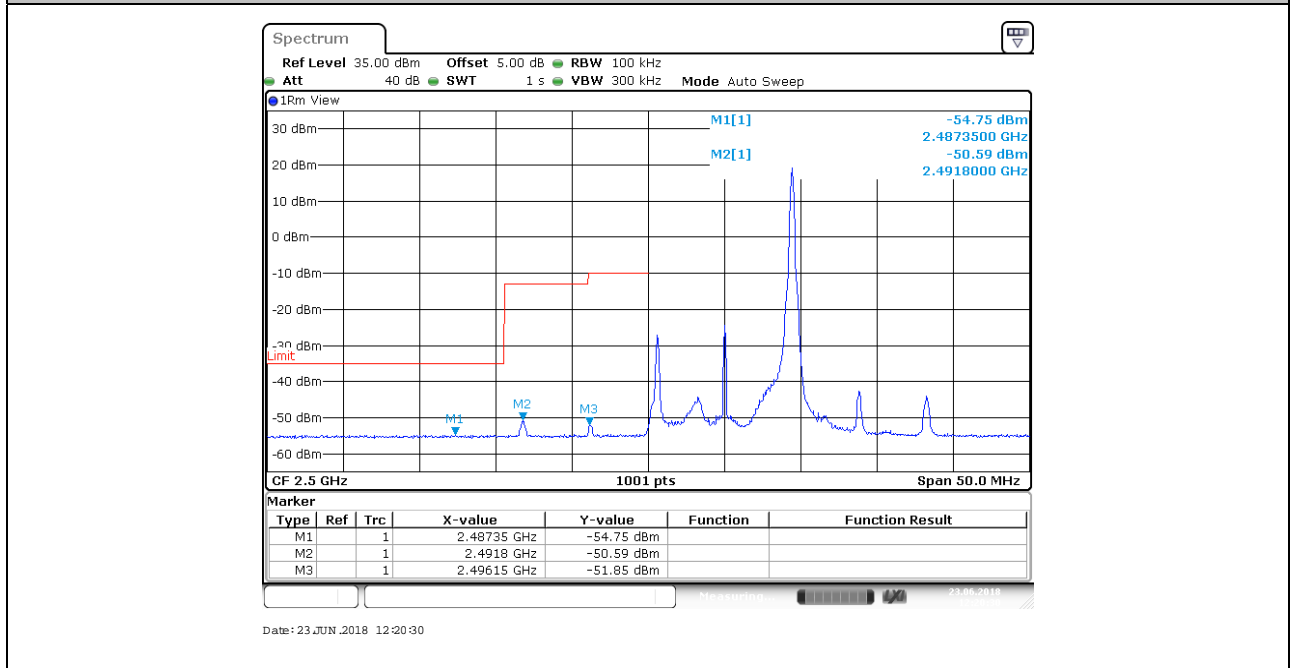
**BAND 7\_10MHz\_64QAM\_21400\_50RB#0**



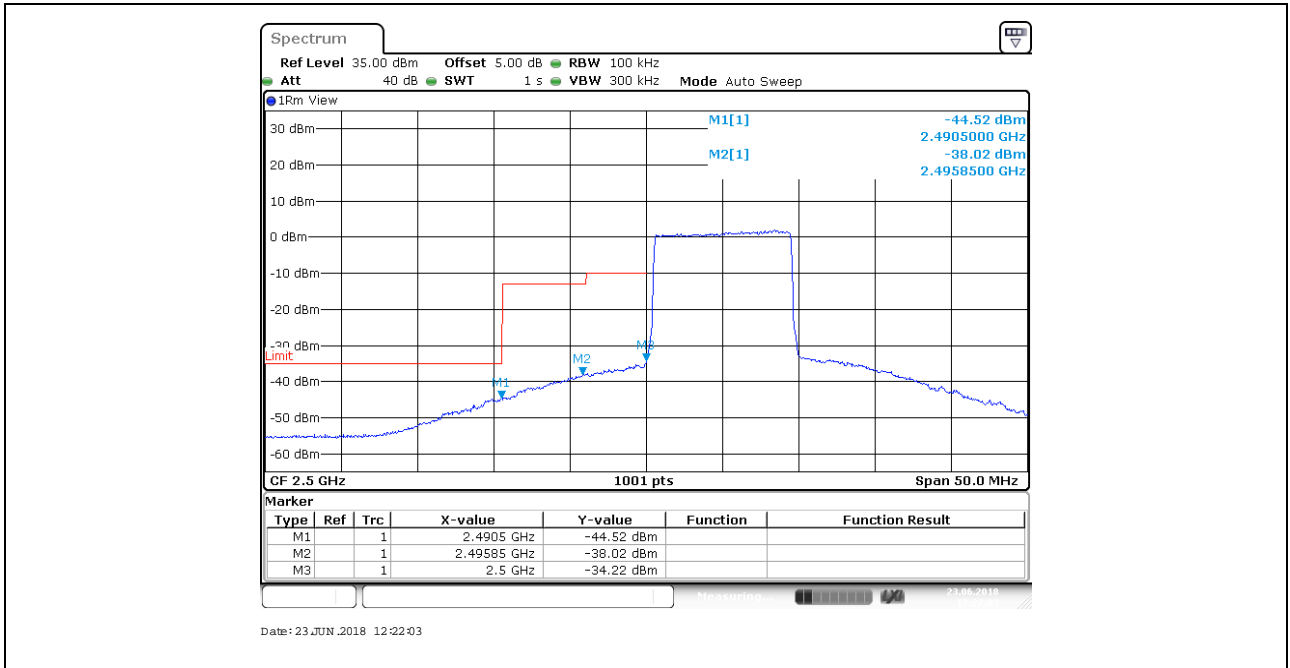
**BAND 7\_10MHz\_16QAM\_20800\_1RB#0**



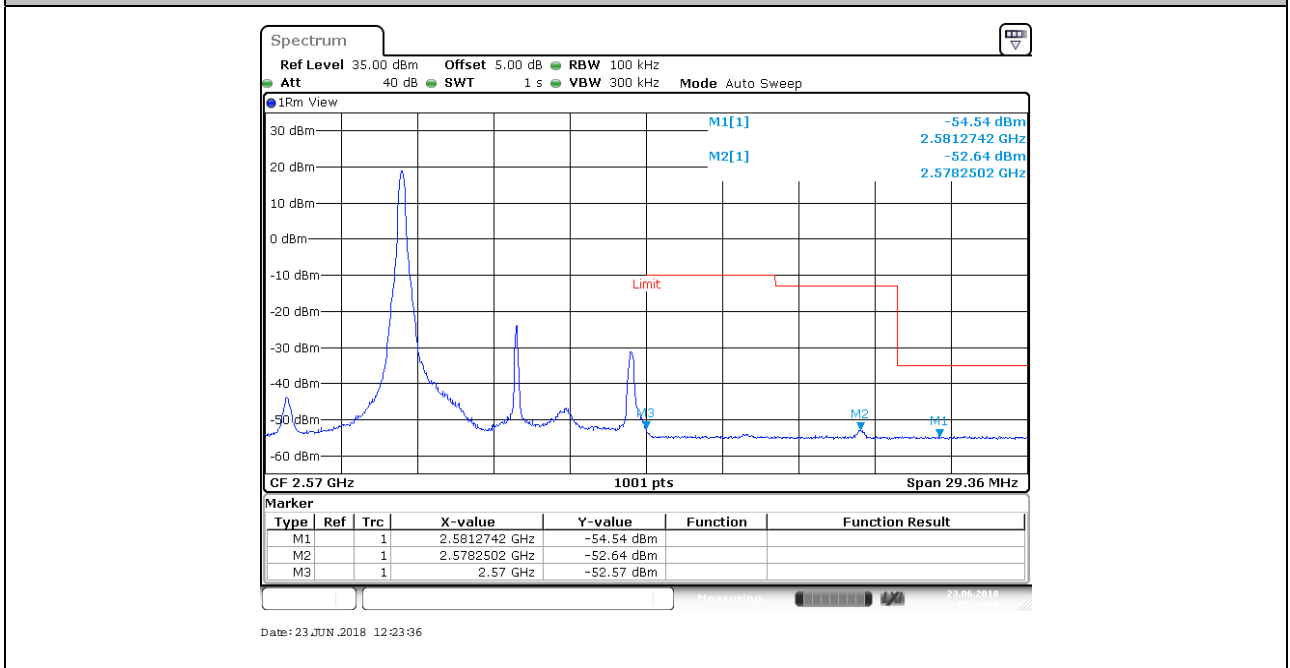
**BAND 7\_10MHz\_16QAM\_20800\_1RB#49**



**BAND 7\_10MHz\_16QAM\_20800\_50RB#0**

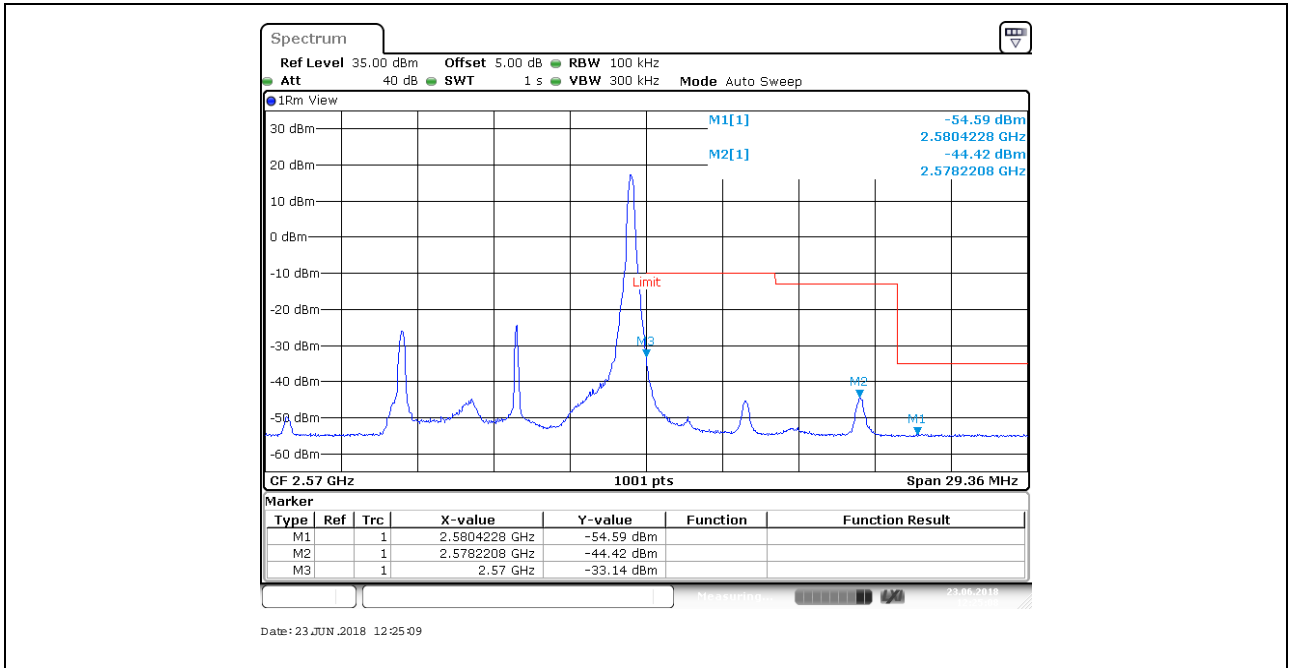


**BAND 7\_10MHz\_16QAM\_21400\_1RB#0**

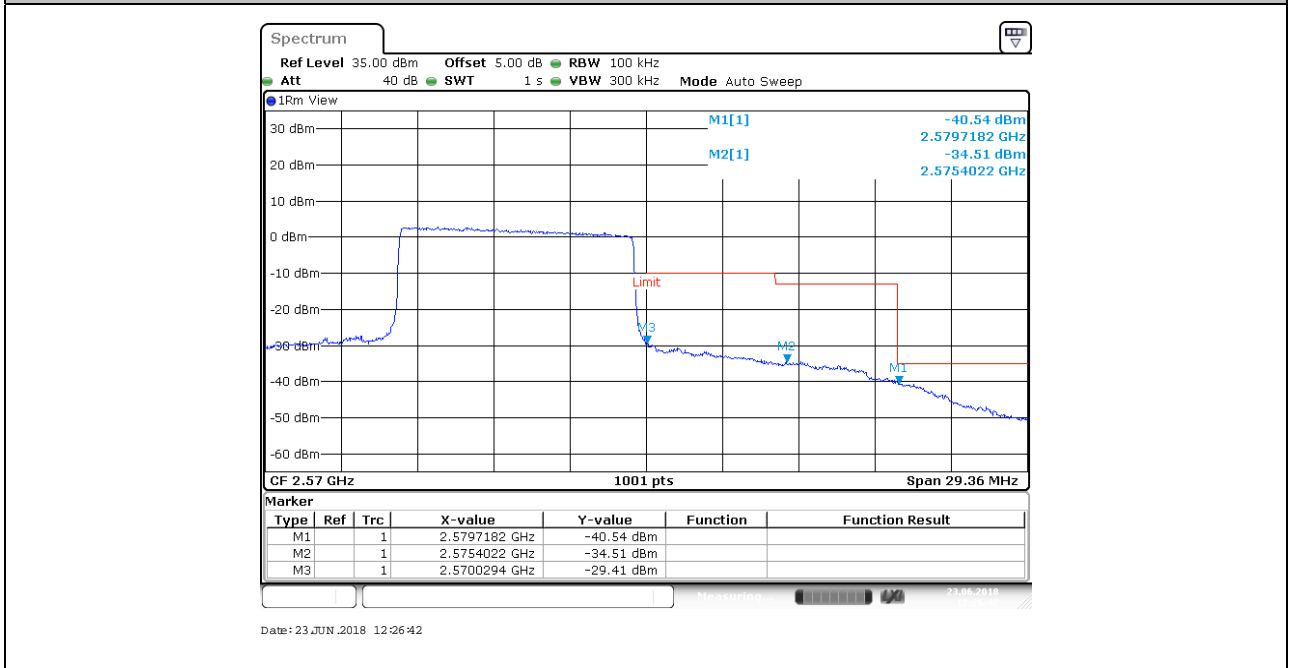


**BAND 7\_10MHz\_16QAM\_21400\_1RB#49**

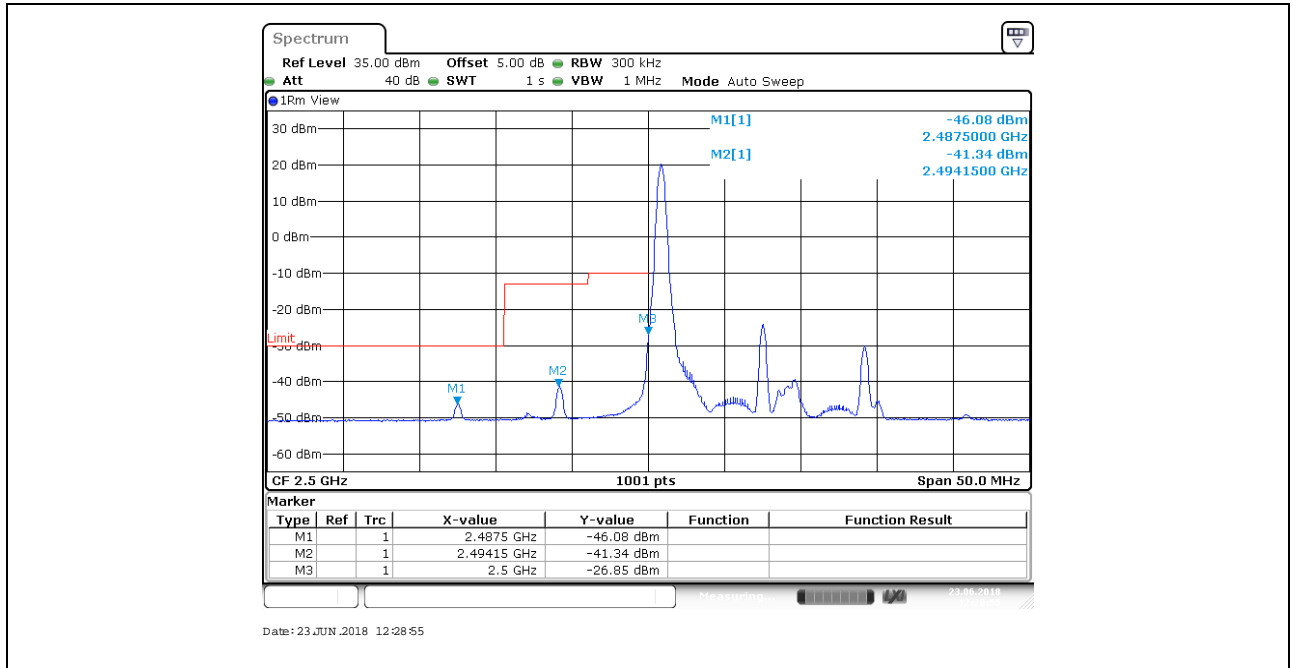




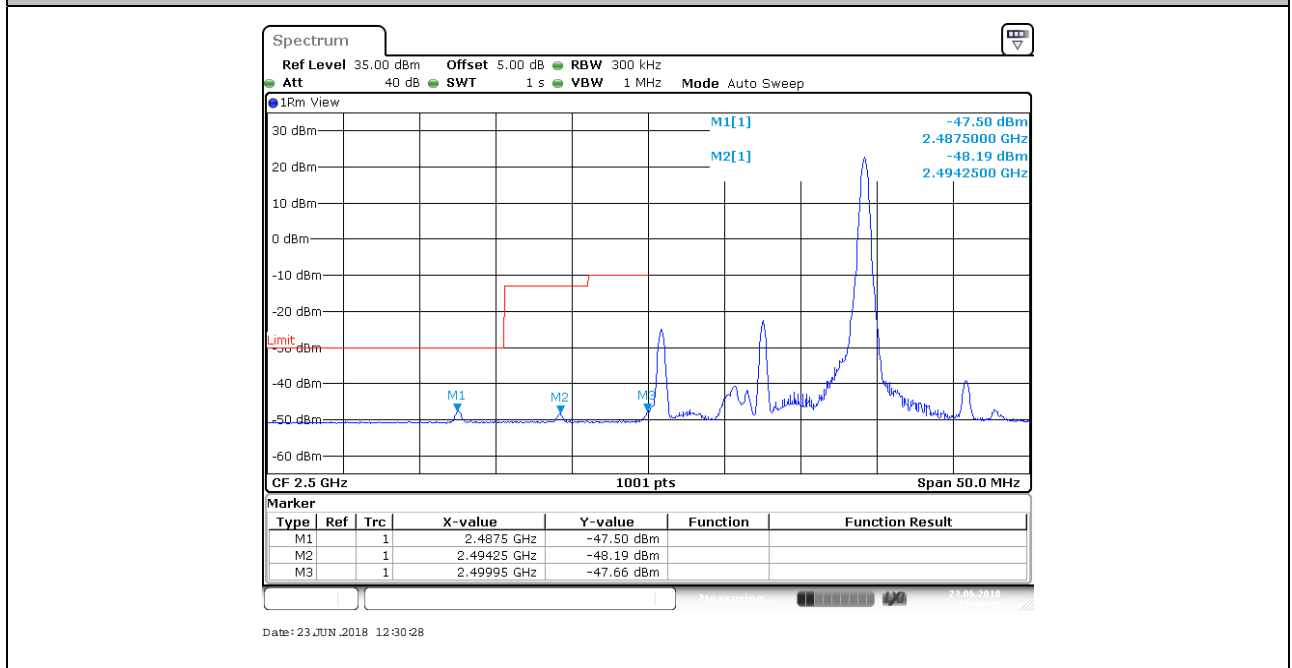
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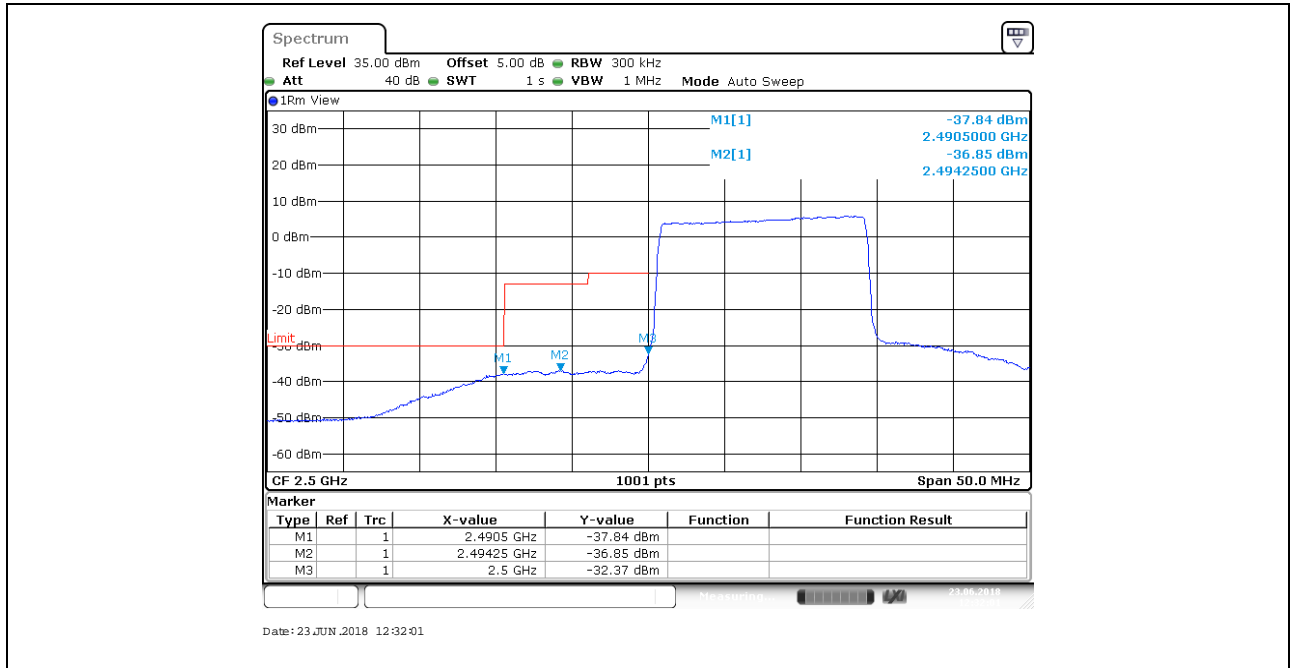
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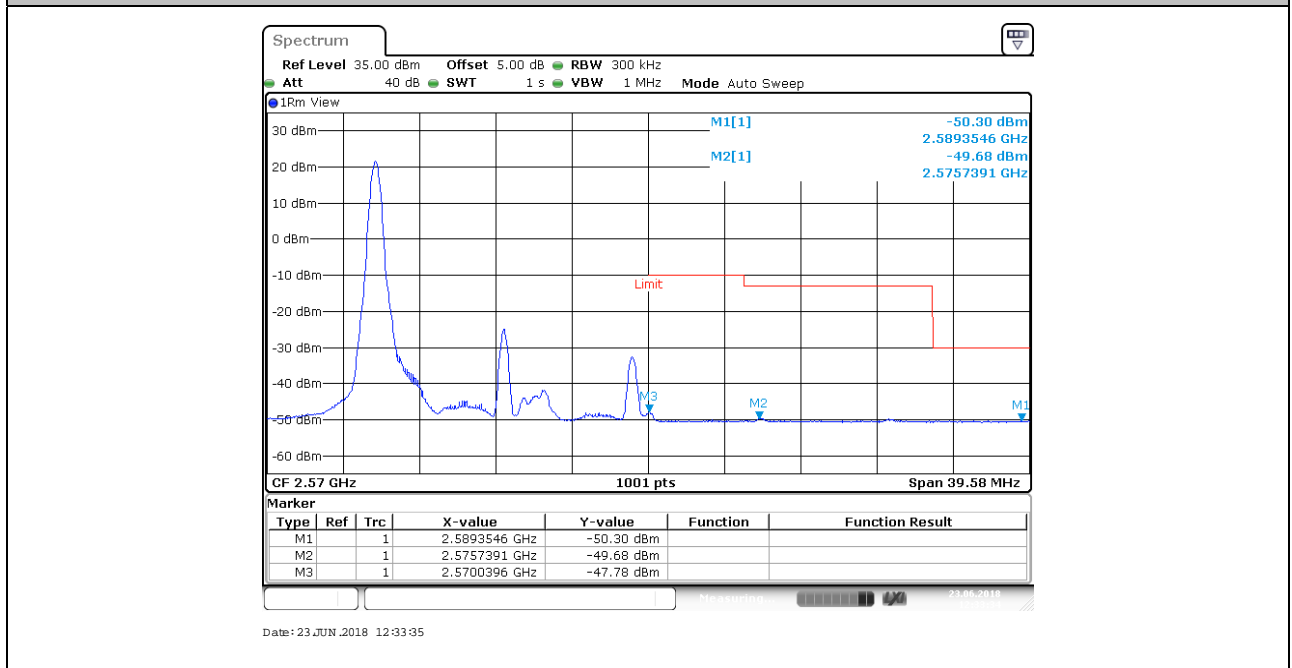
**BAND 7\_15MHz\_QPSK\_20825\_1RB#74**



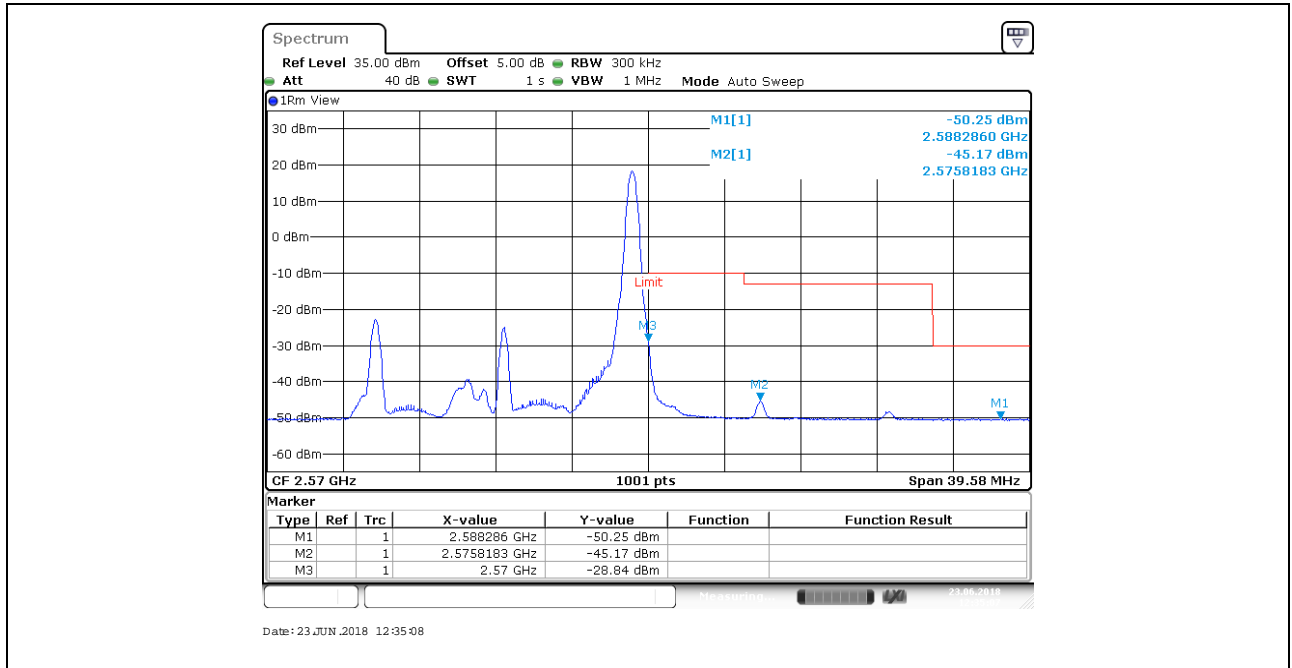
**BAND 7\_15MHz\_QPSK\_20825\_75RB#0**



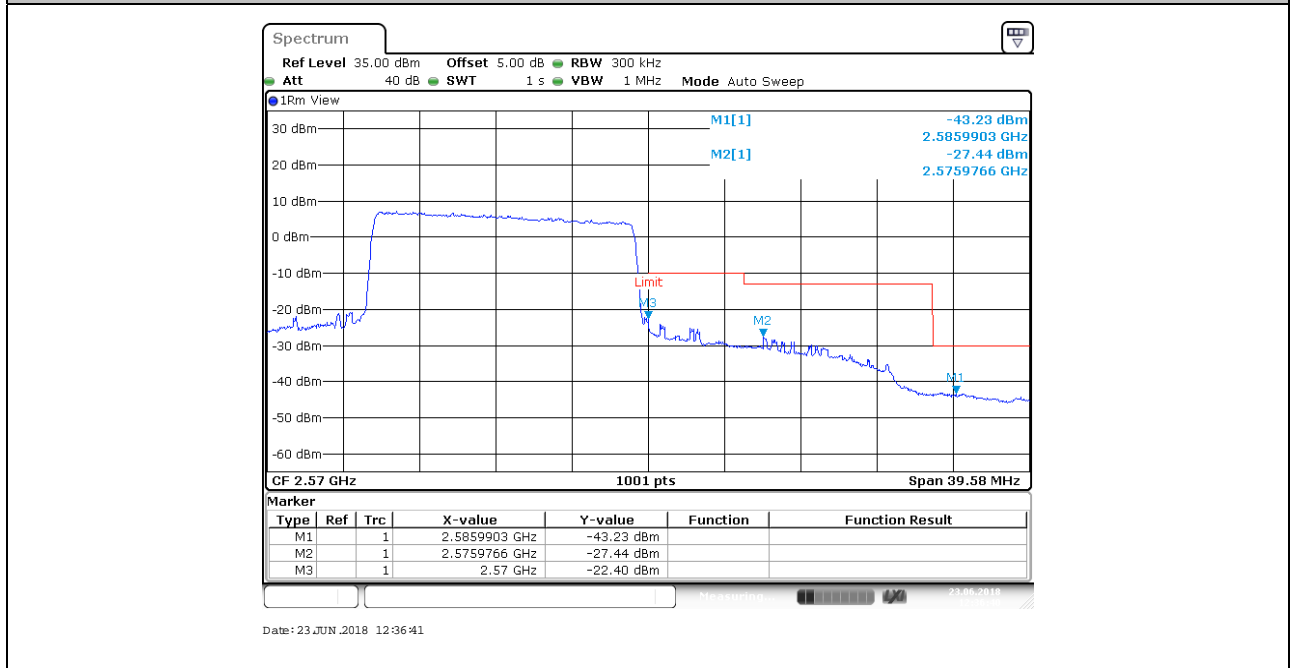
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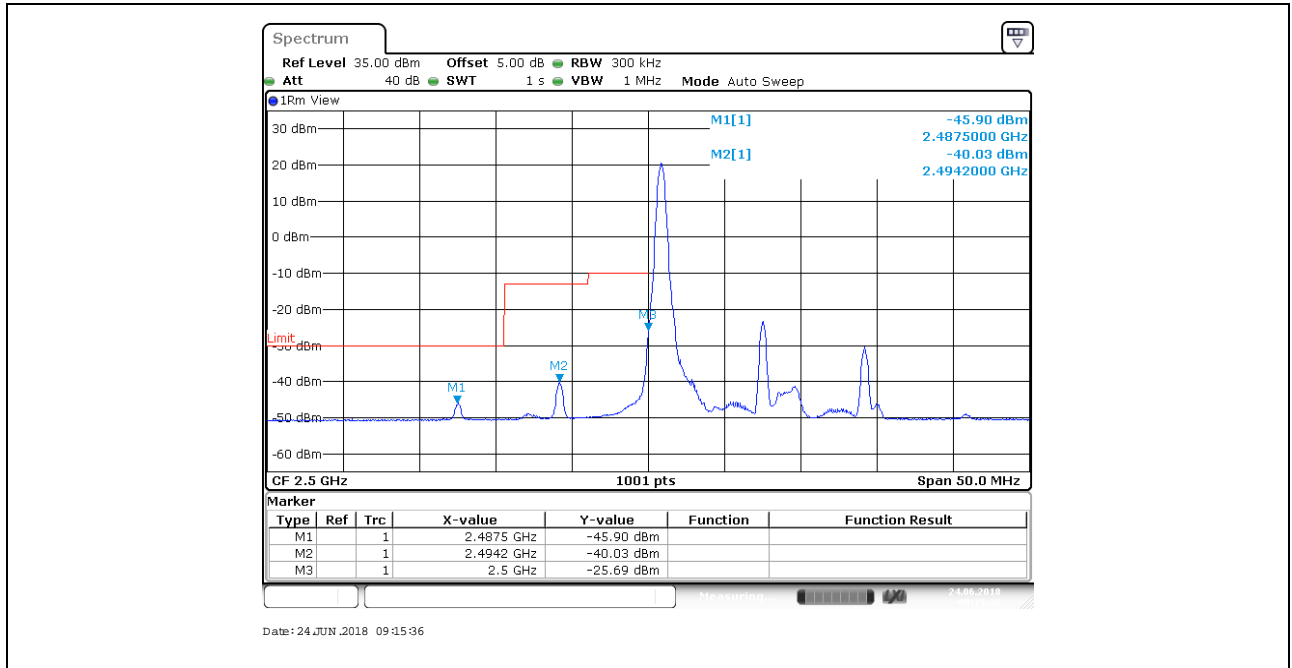
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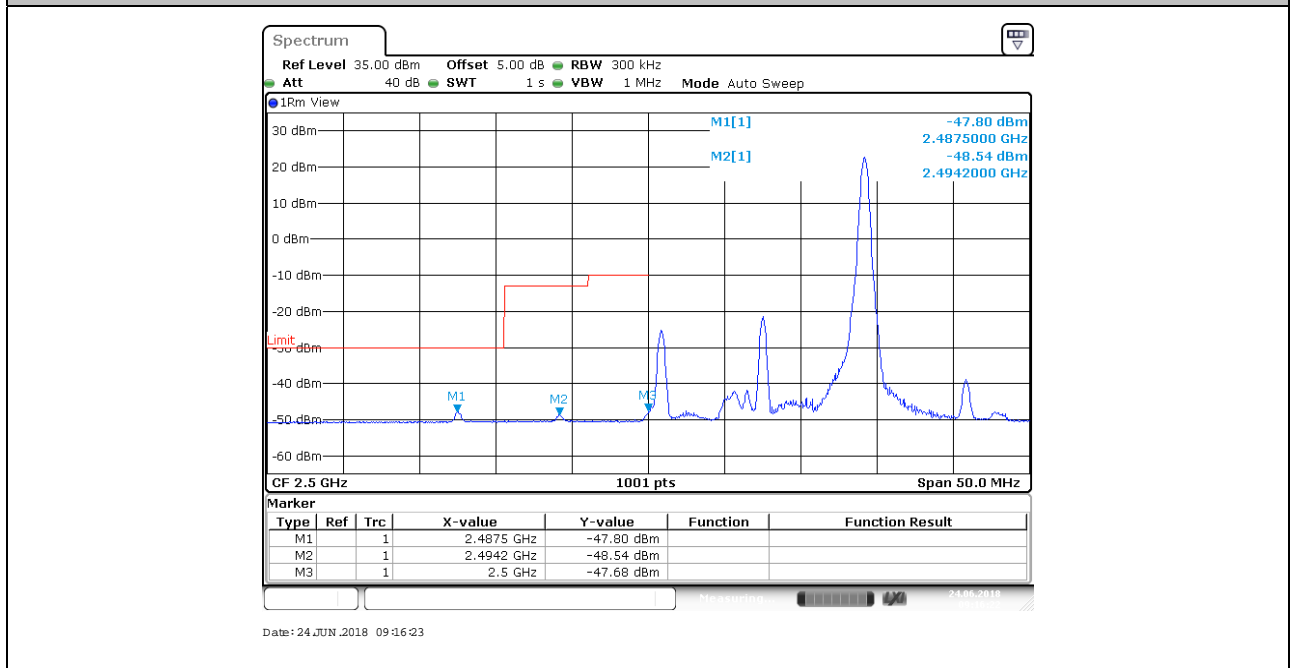
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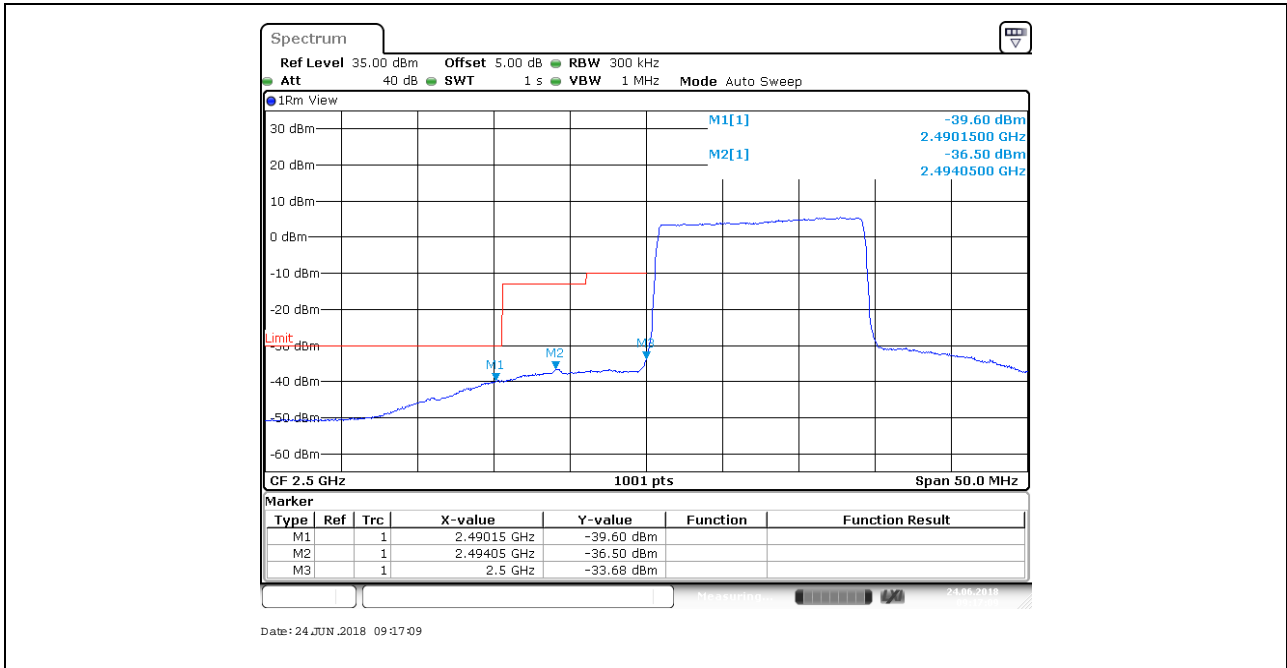
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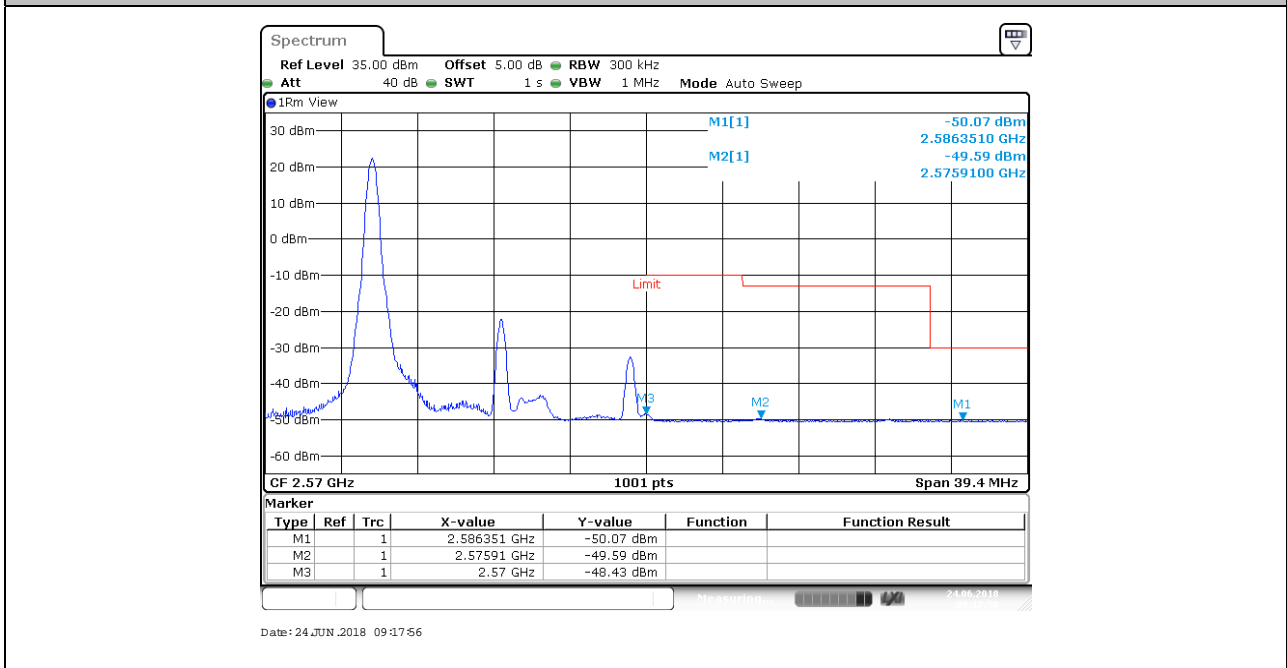
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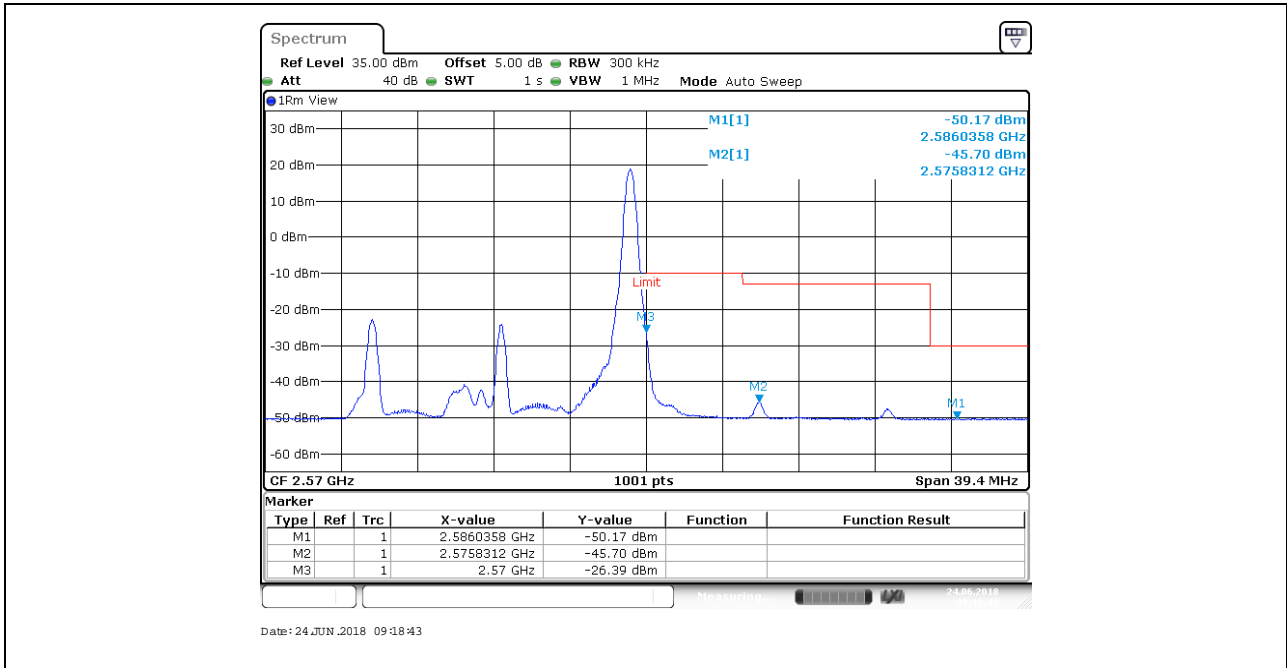
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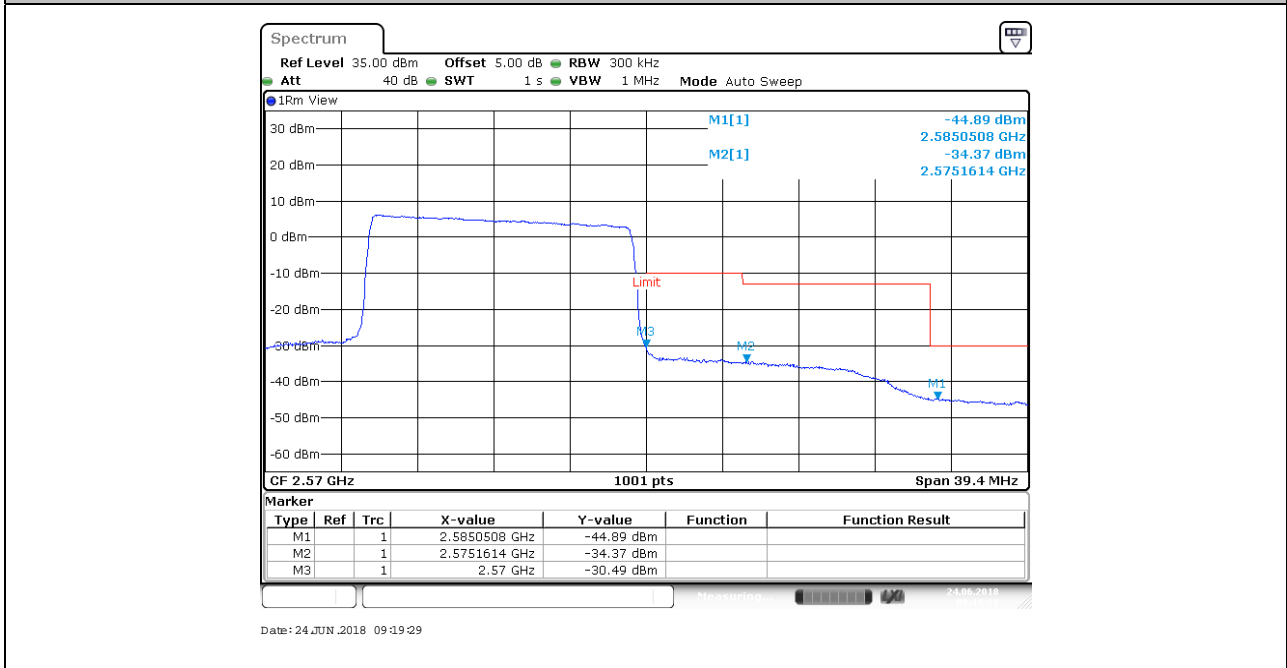
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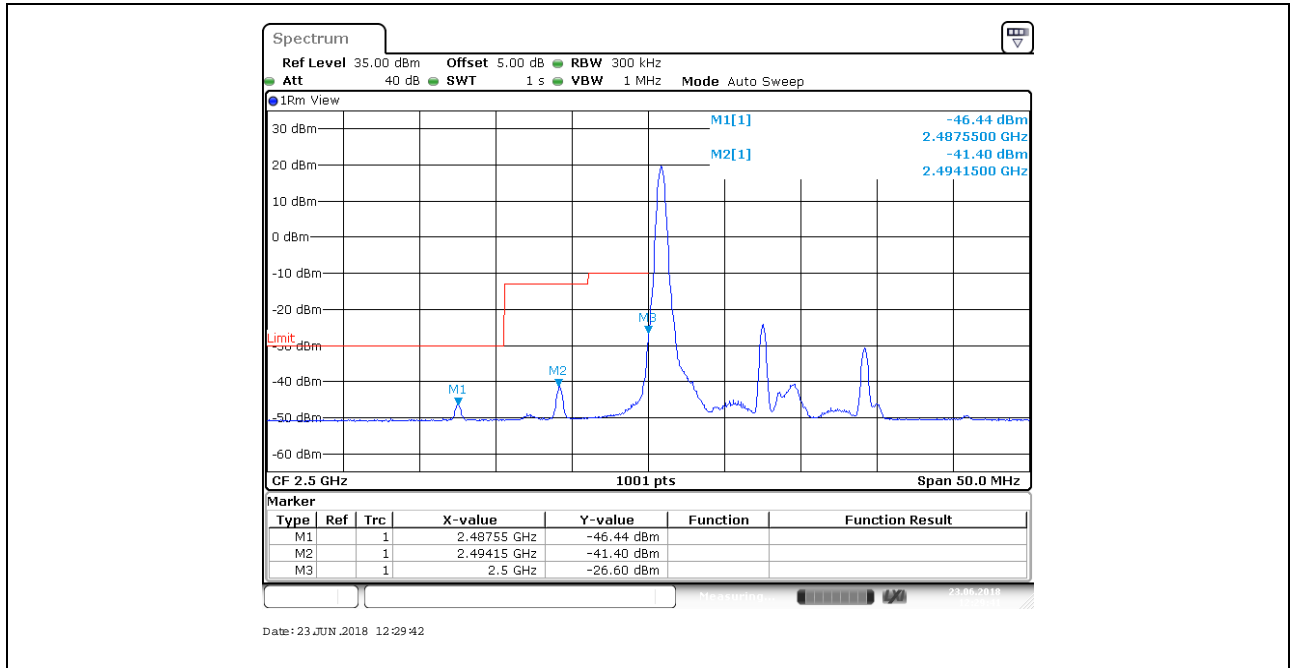
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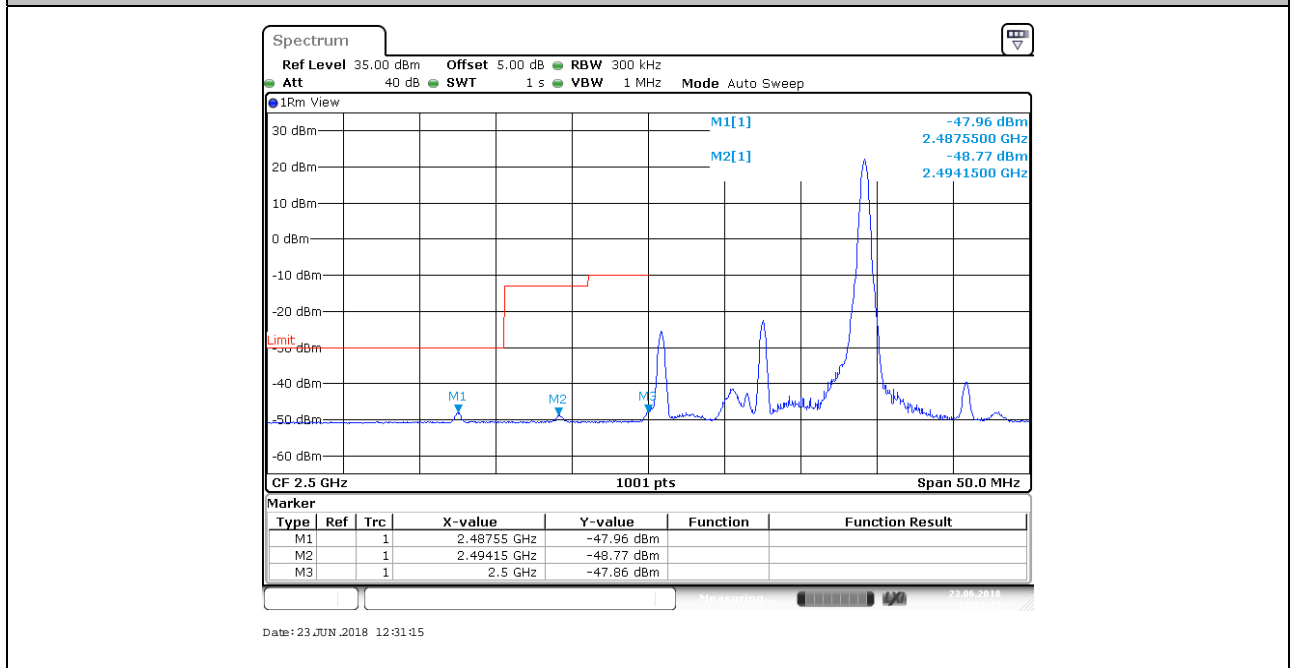
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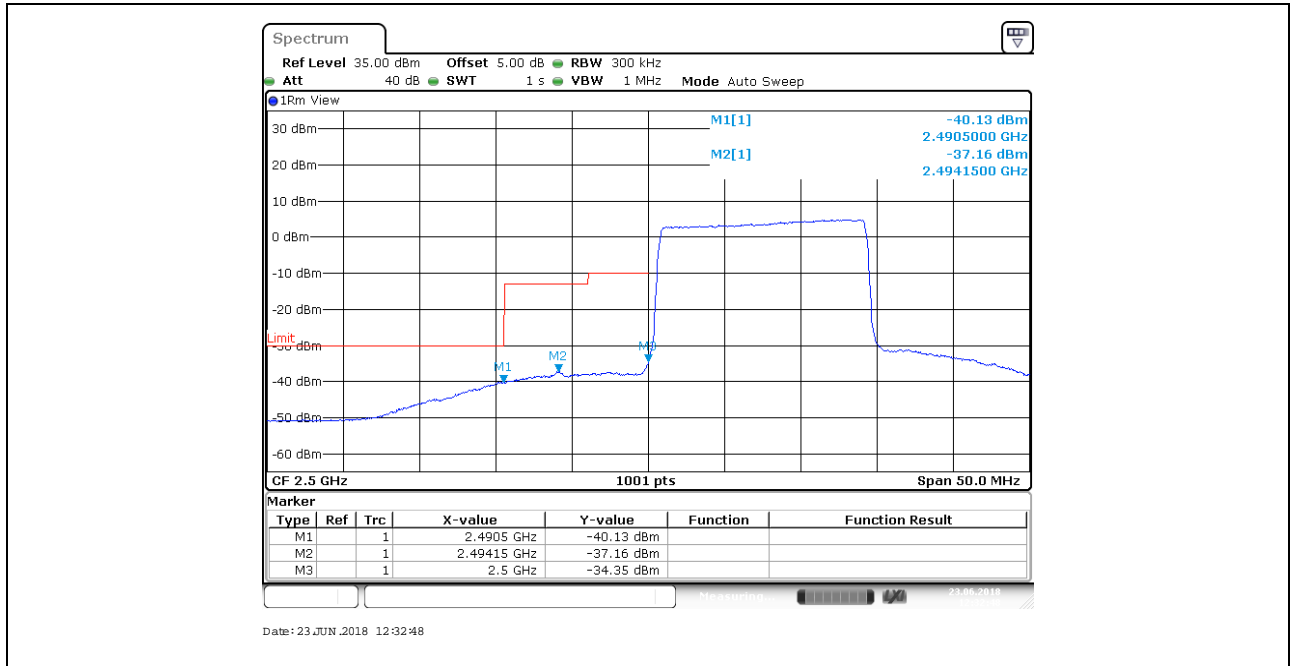


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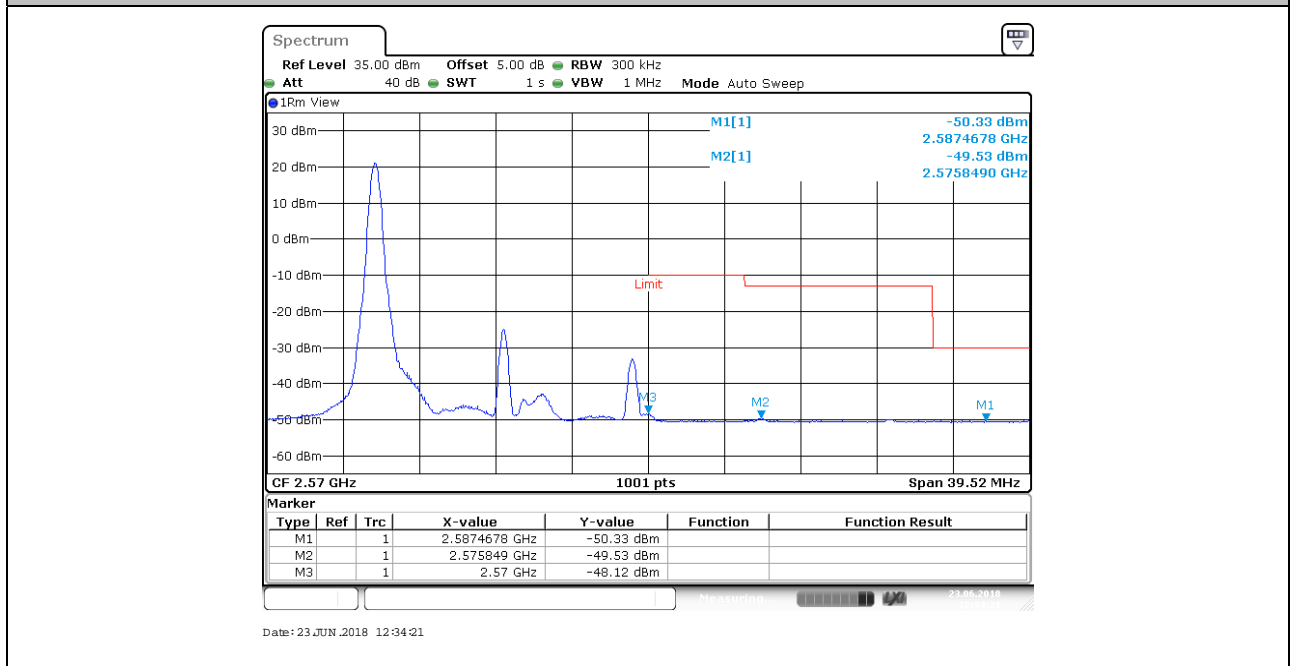


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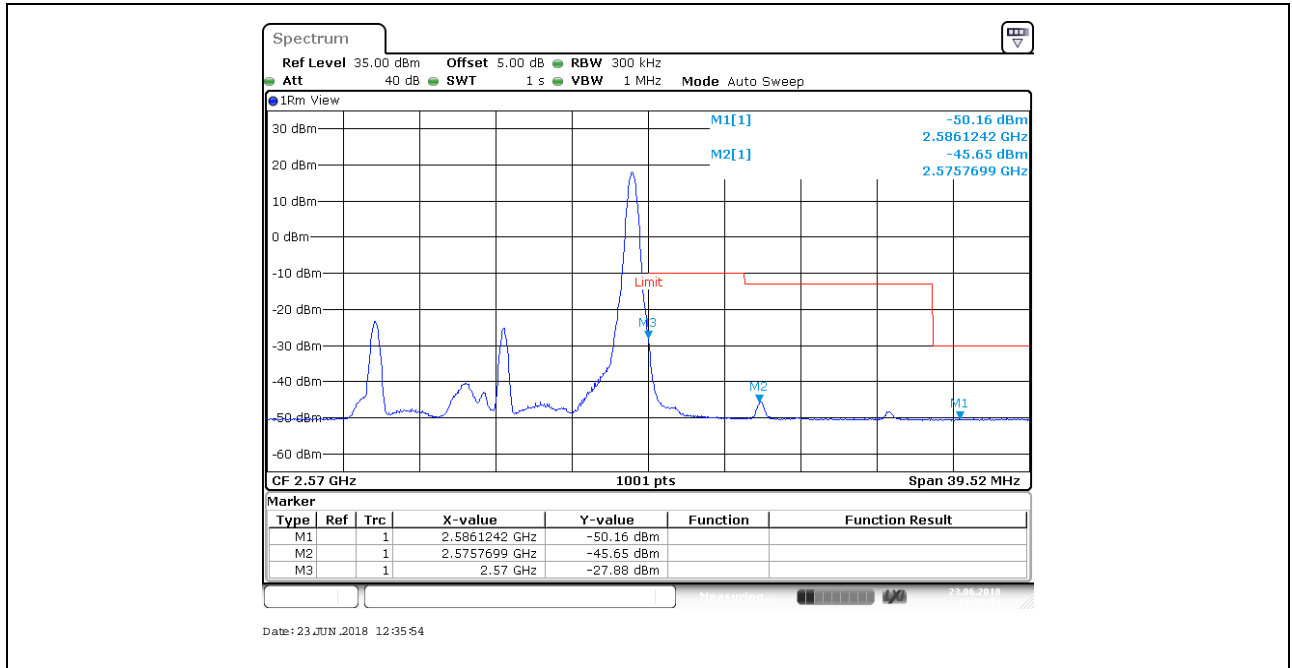




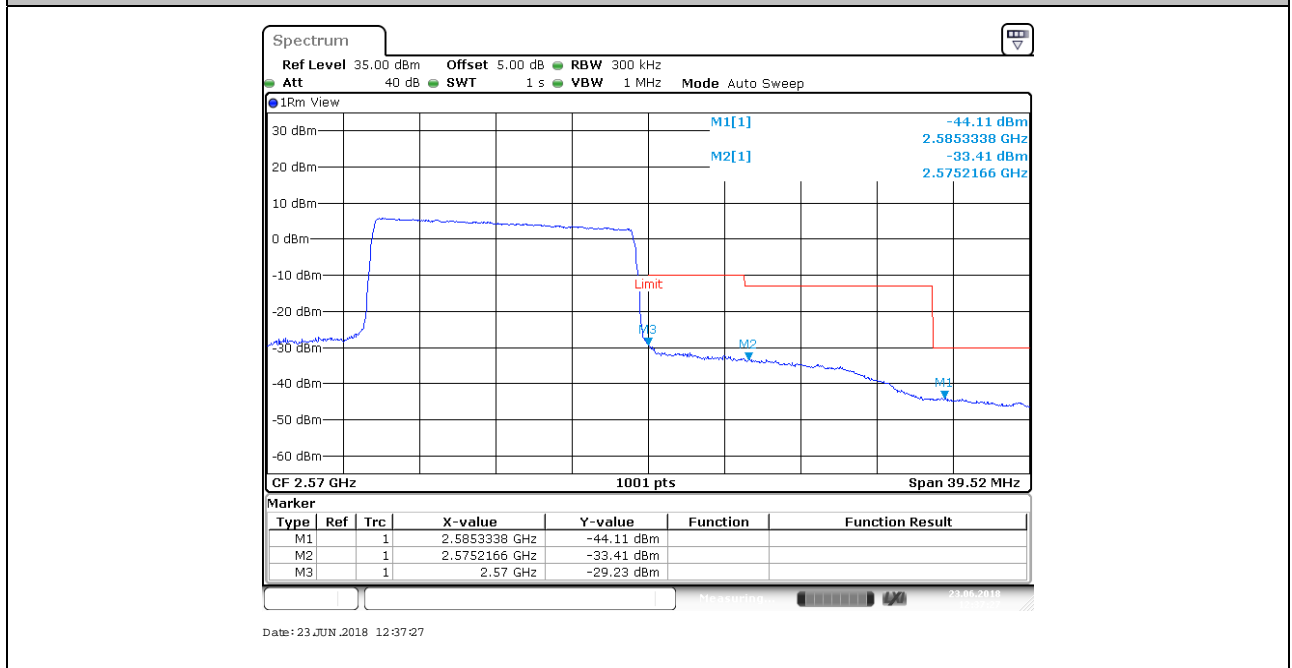
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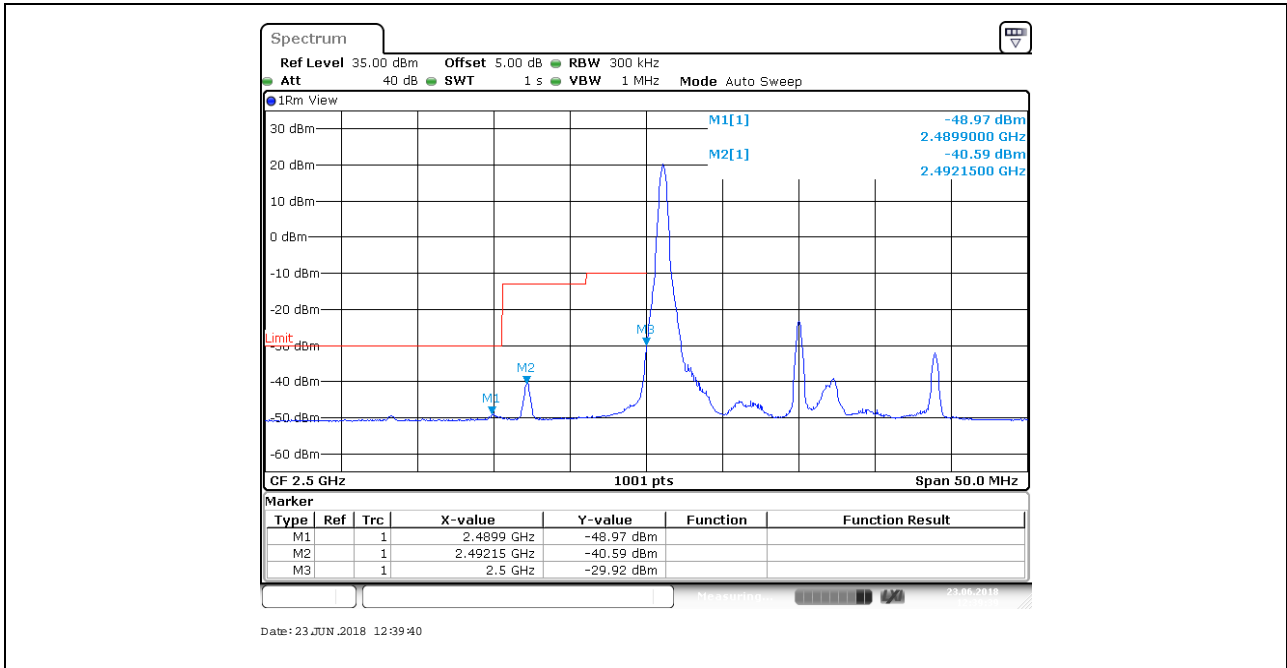
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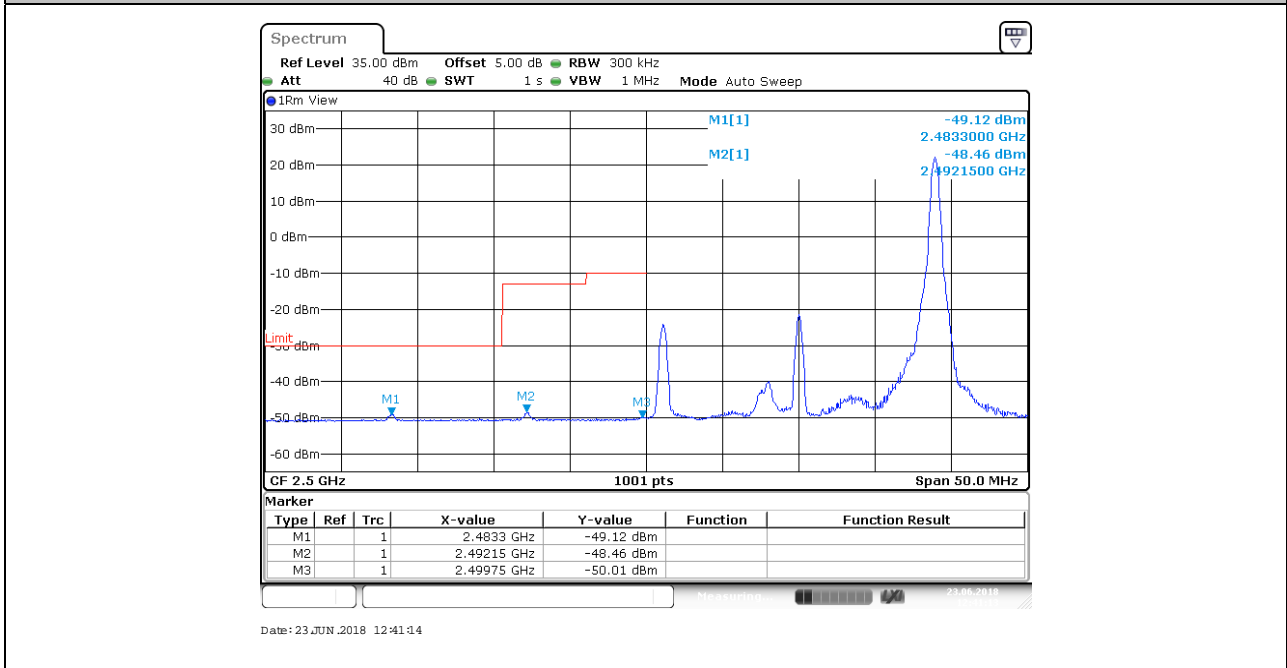
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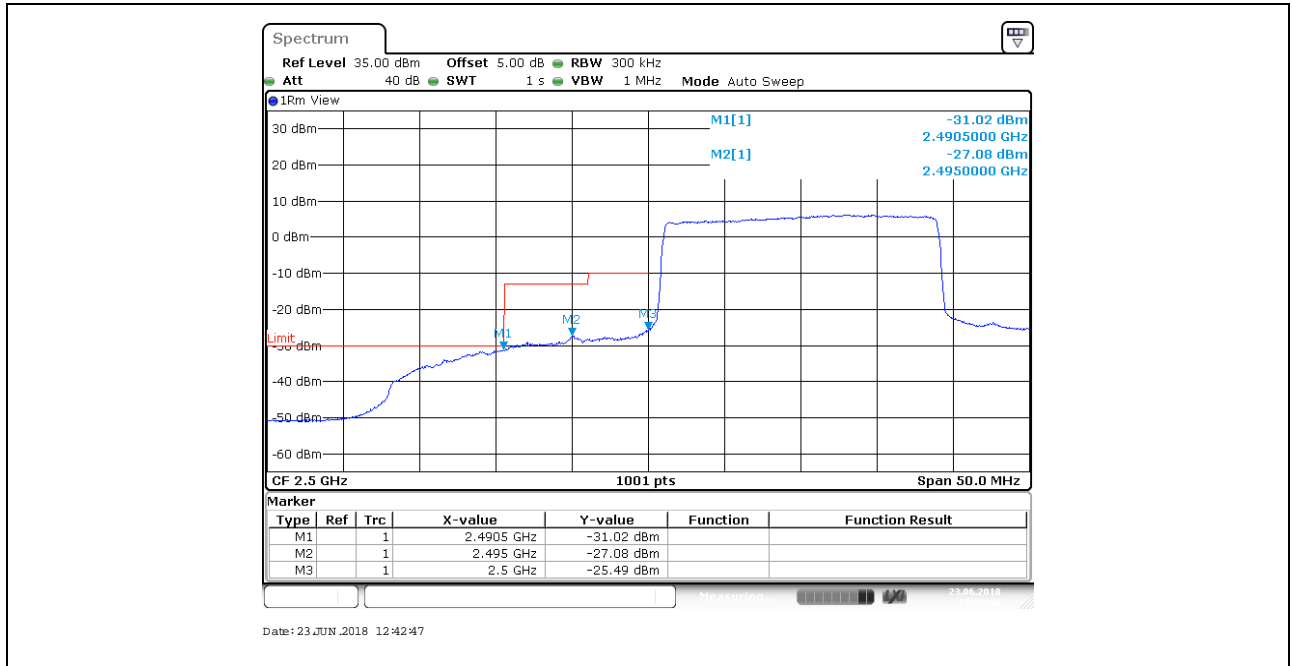
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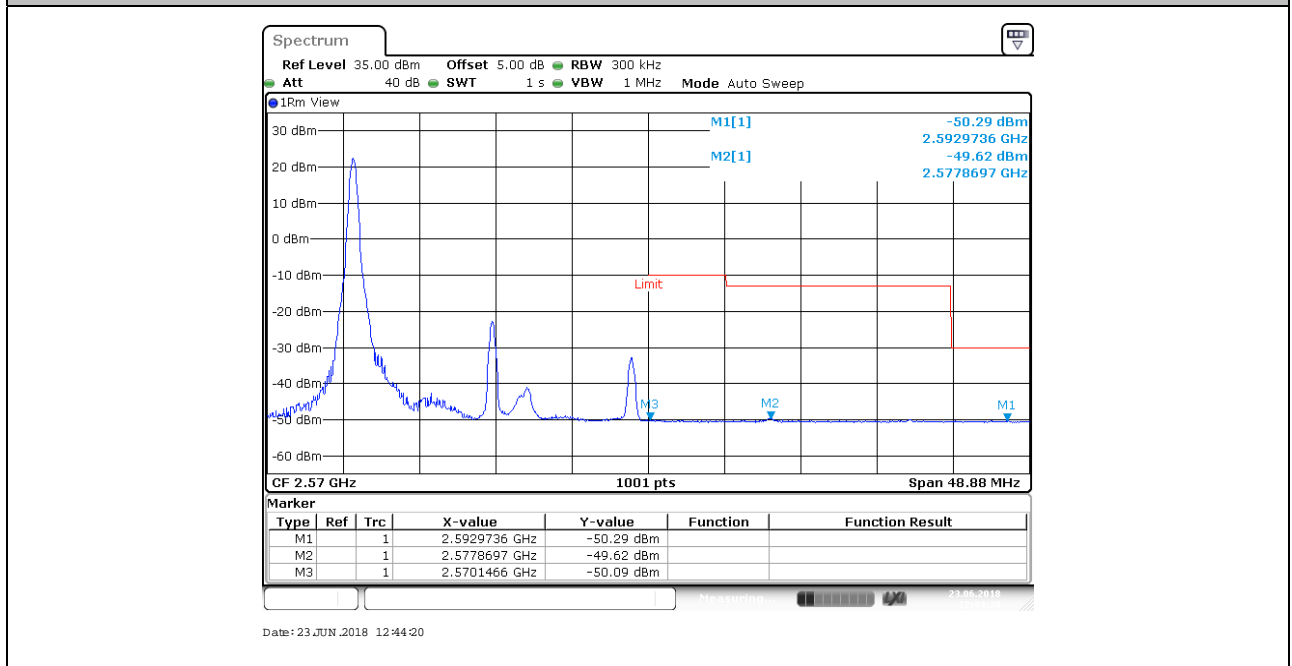
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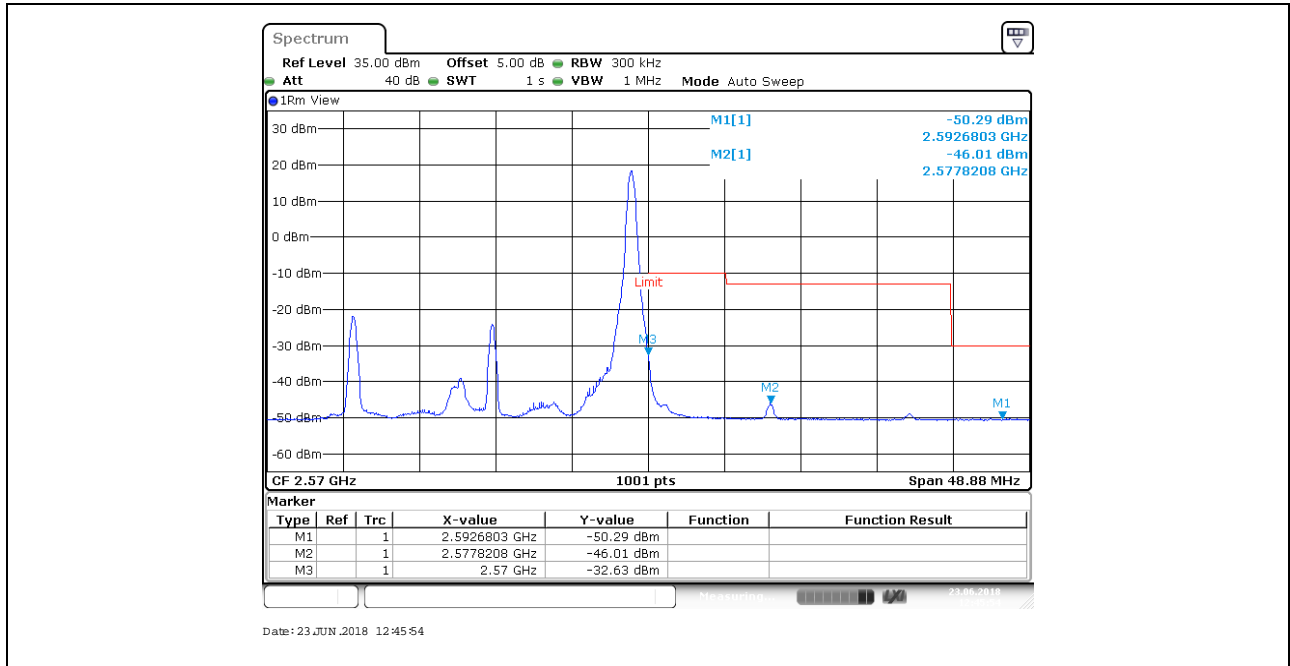
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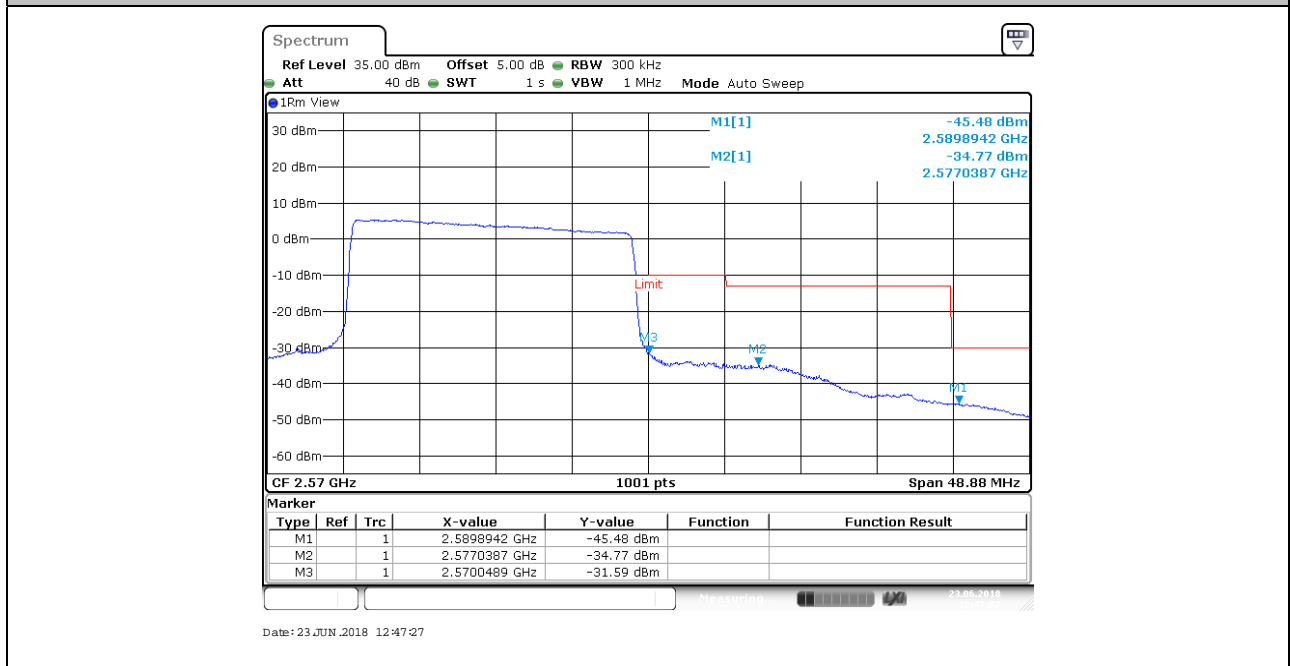
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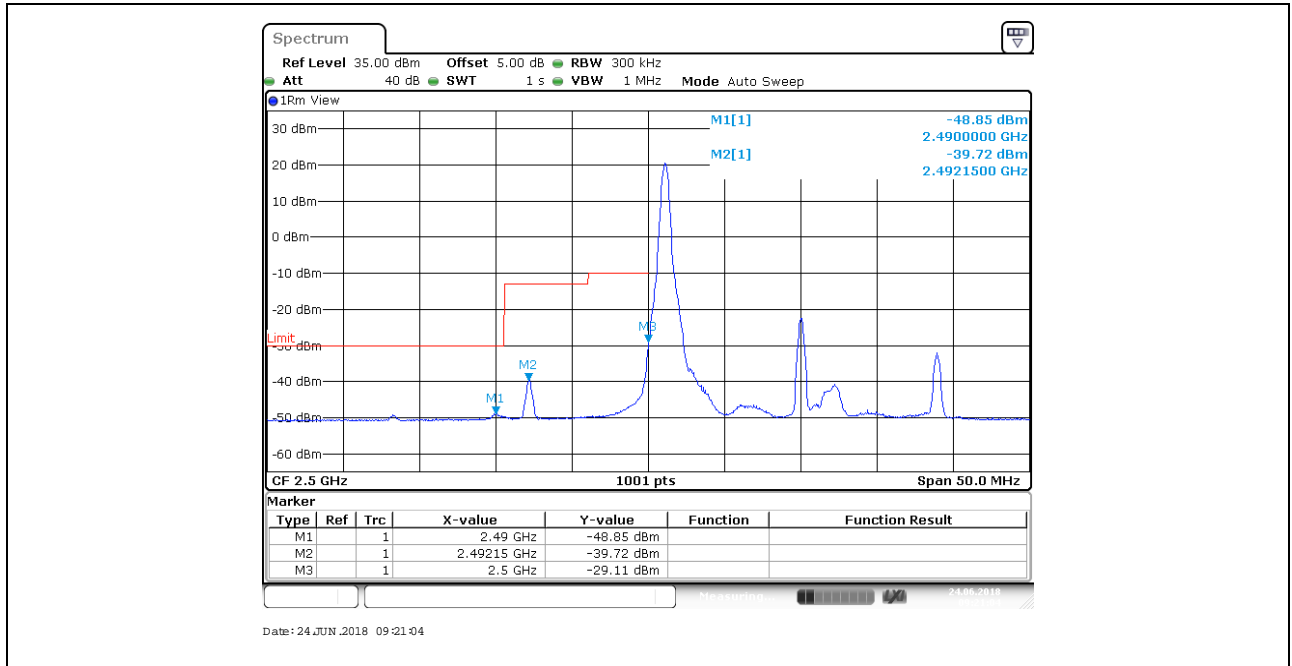
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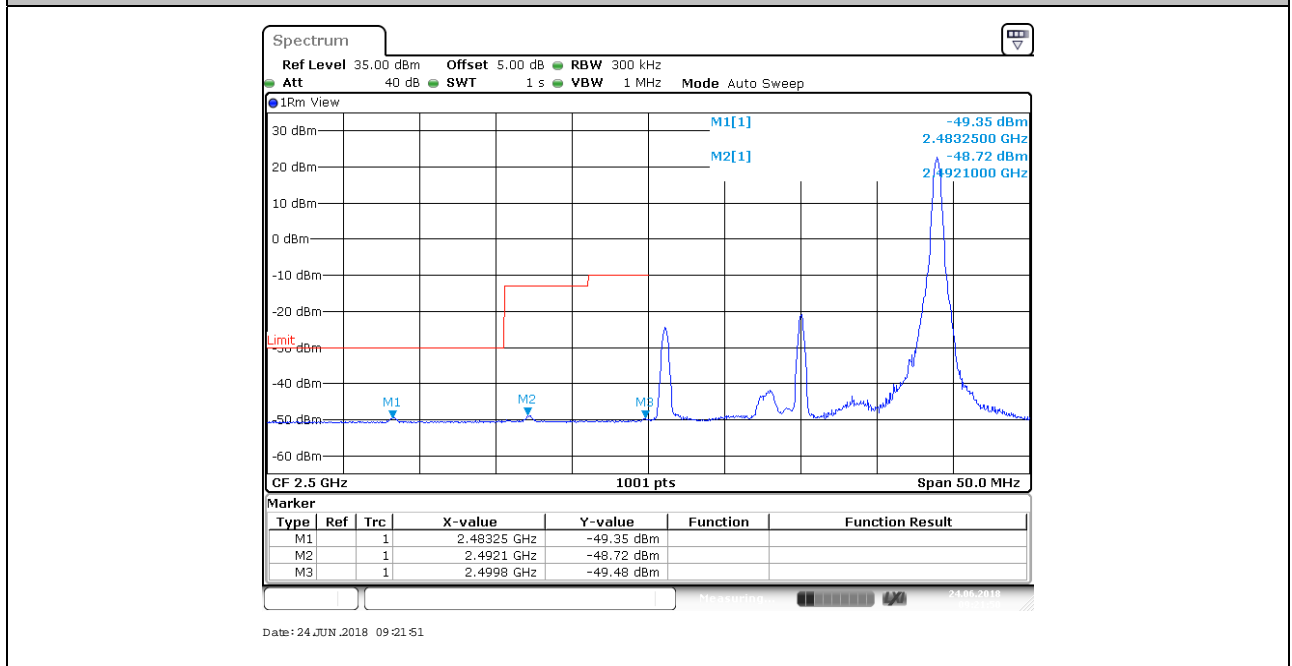
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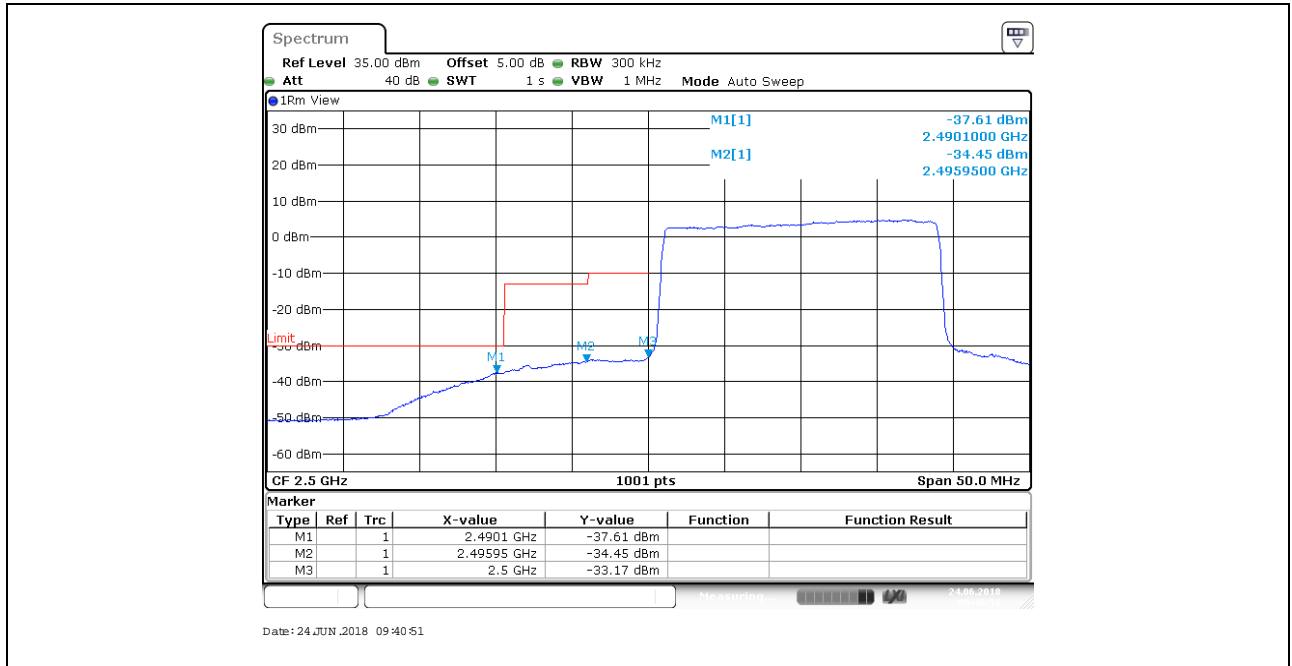
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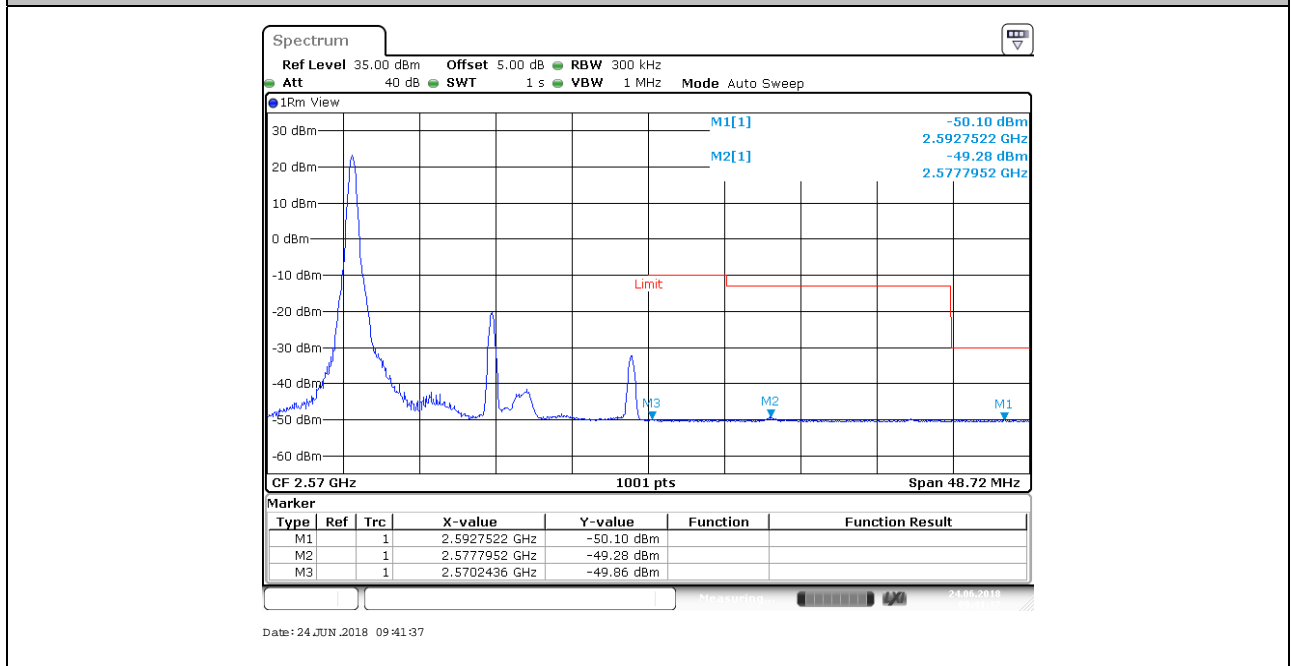
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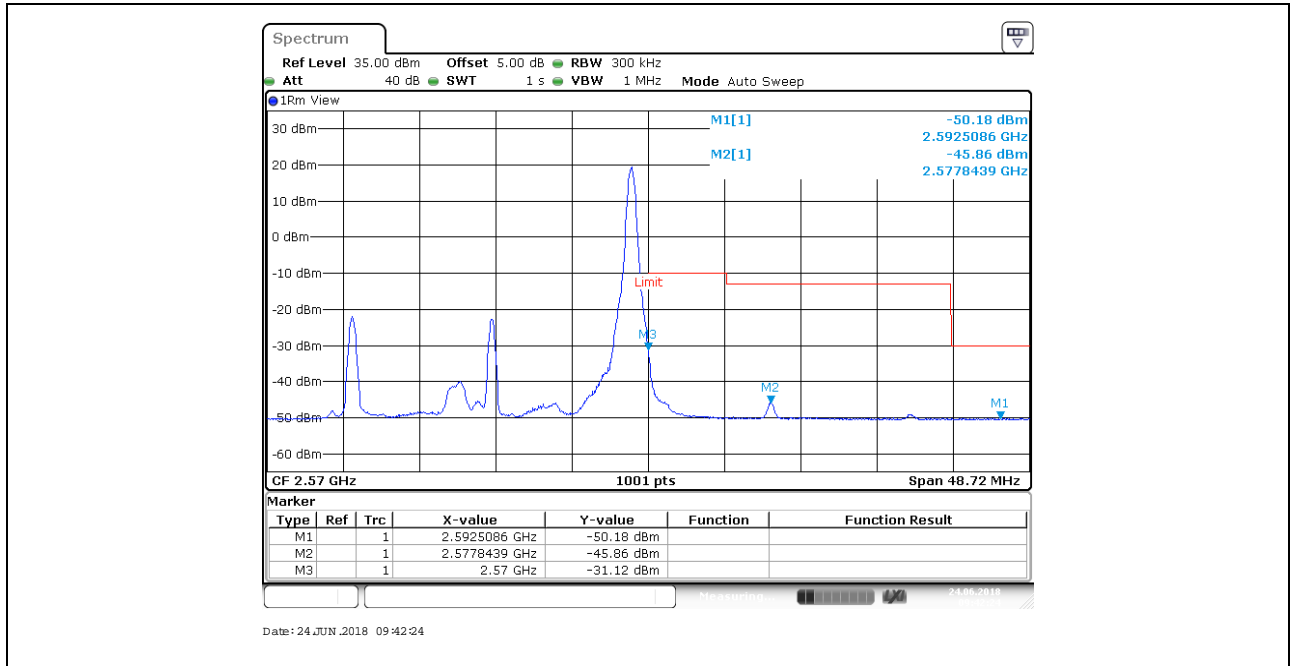
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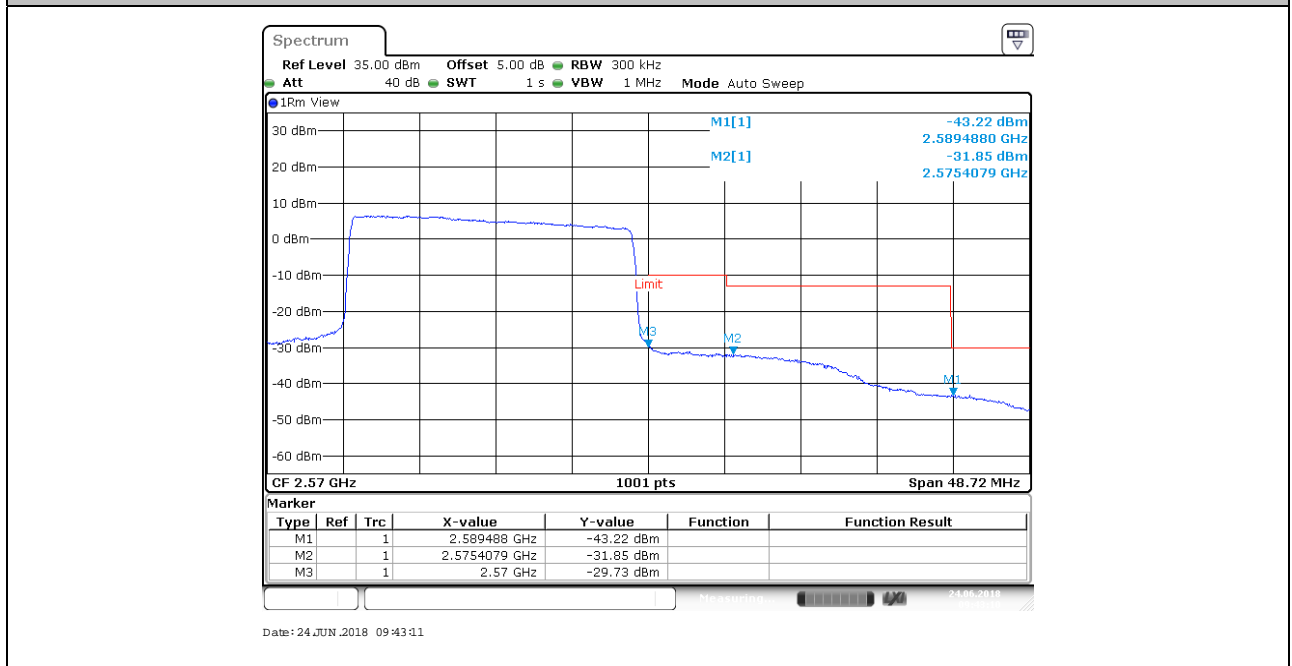
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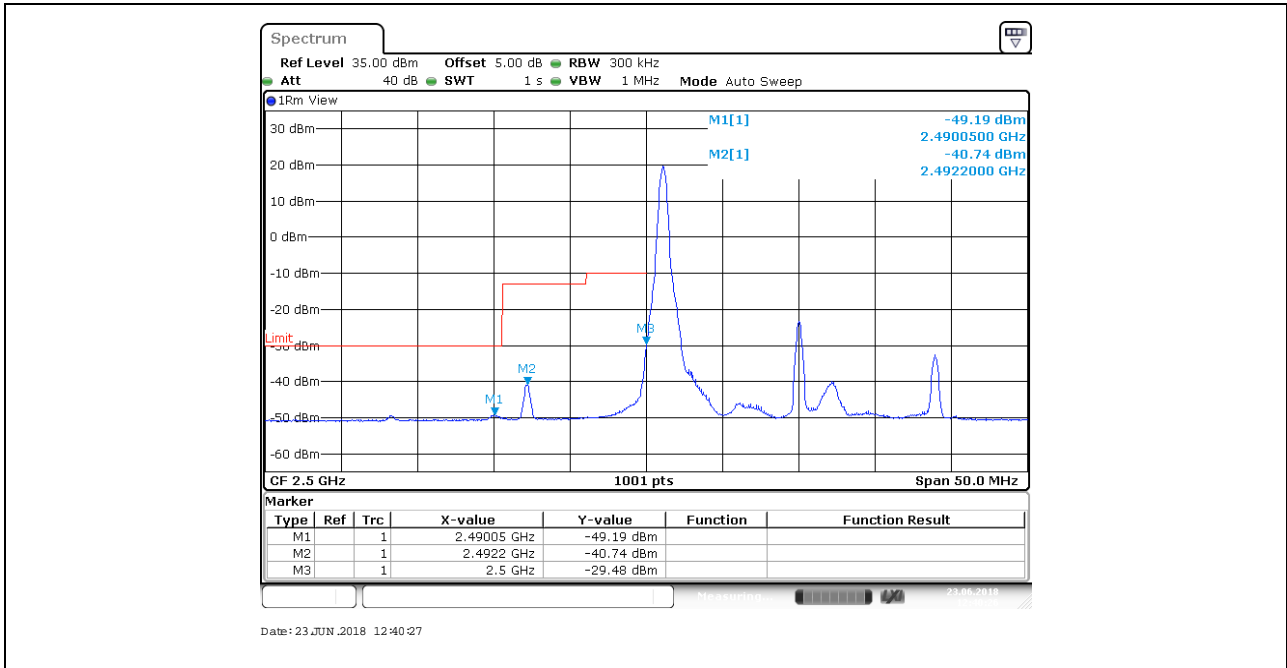


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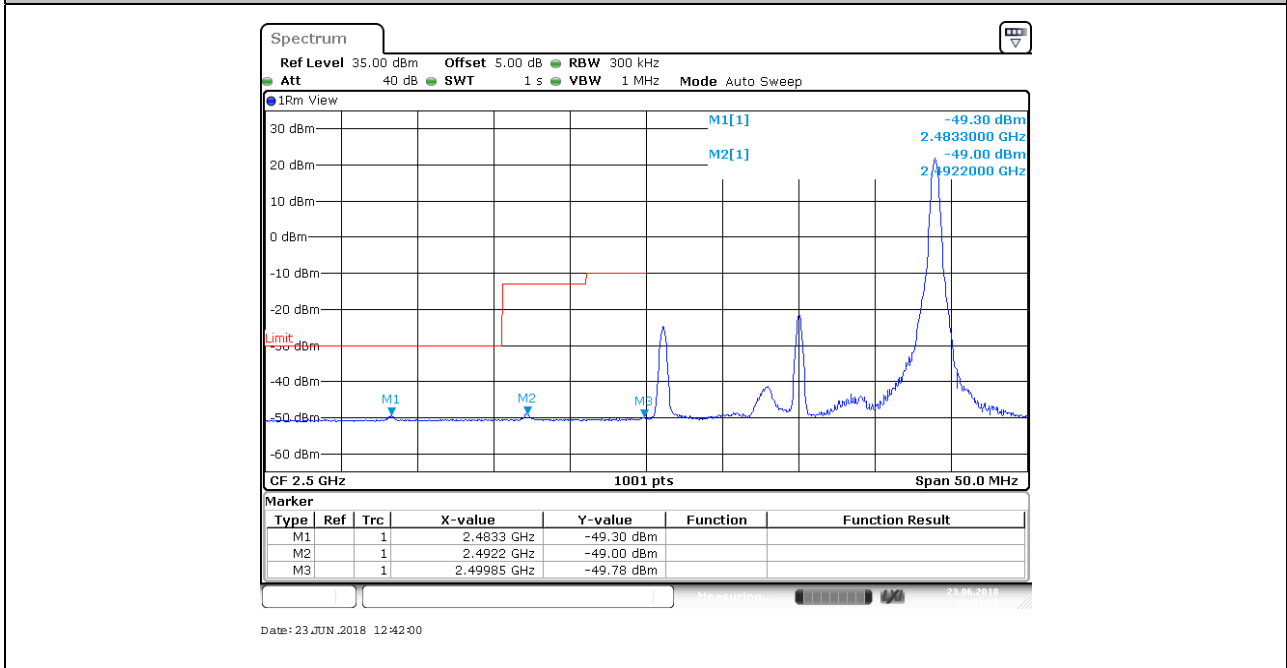


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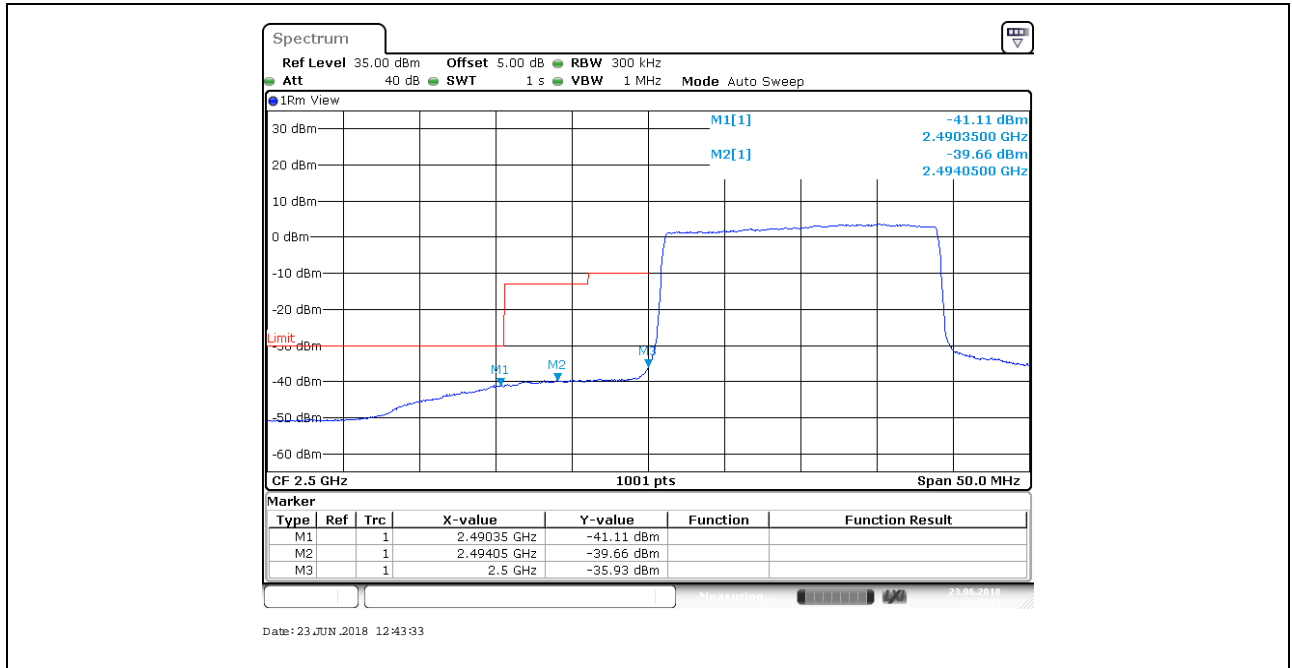




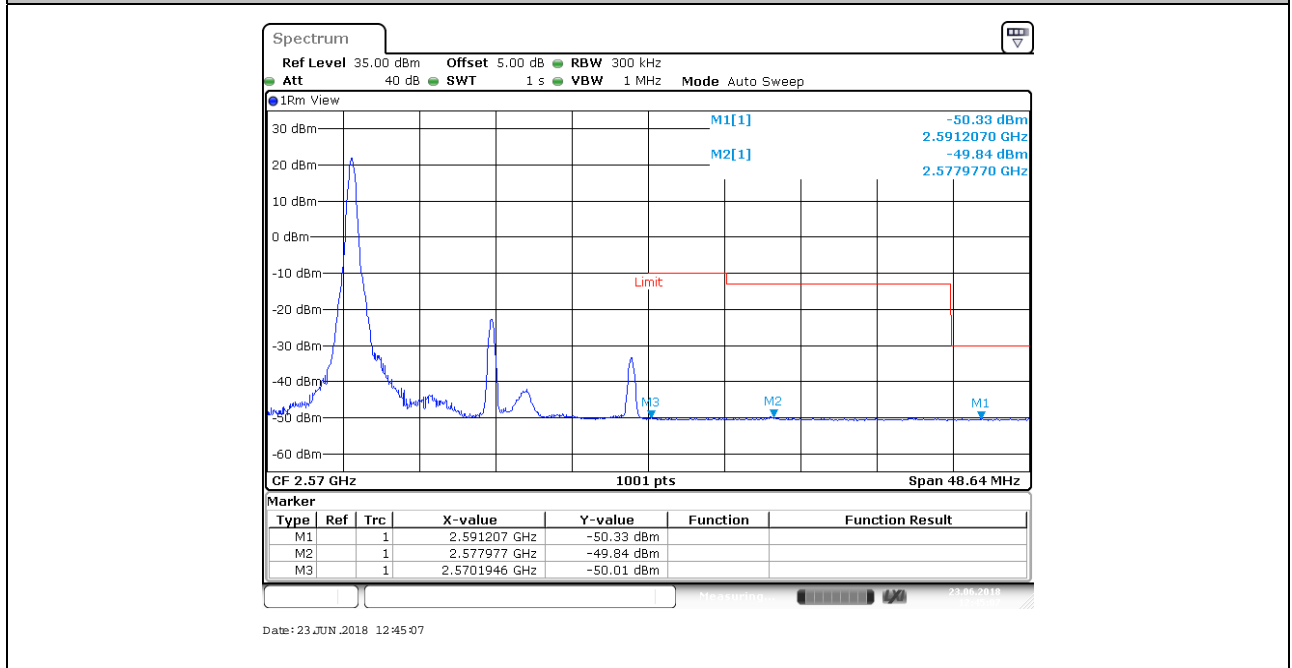
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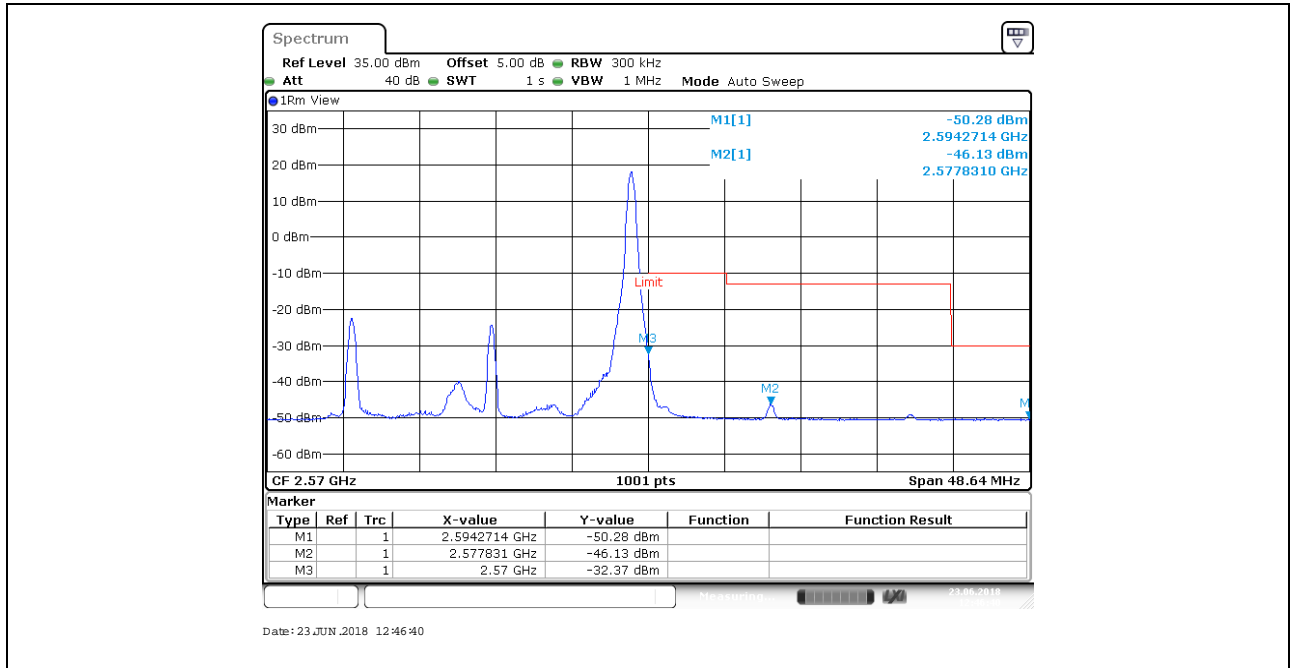
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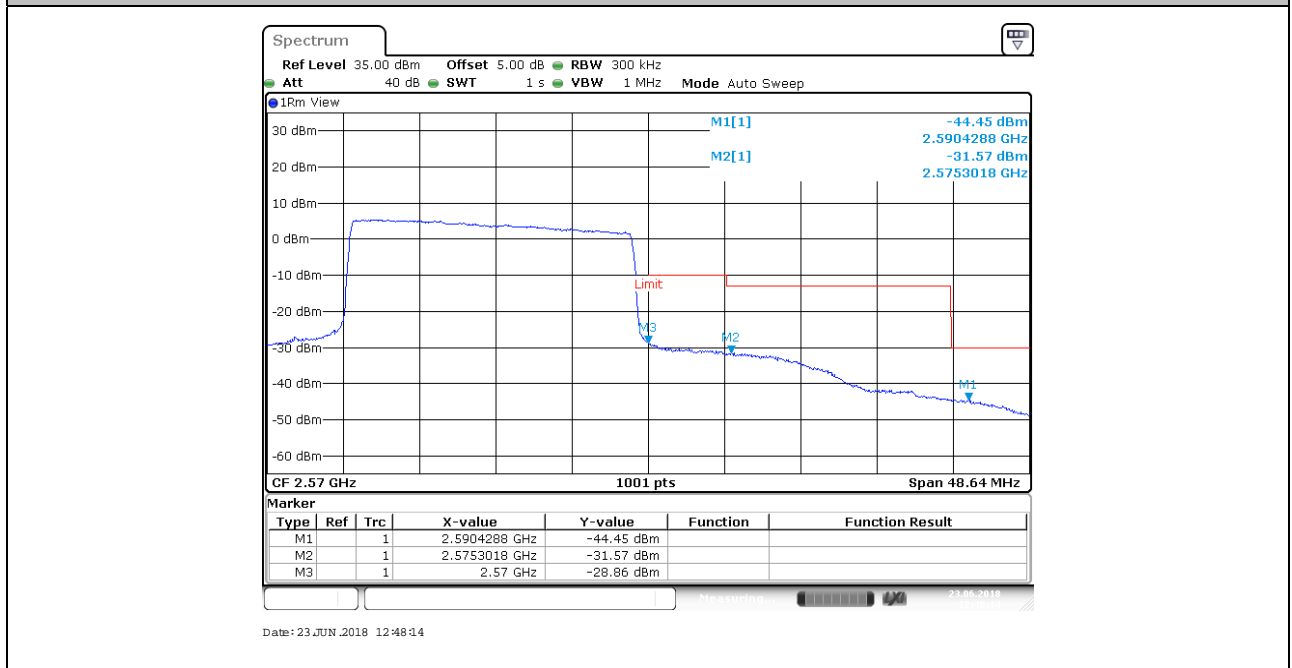
**BAND 7\_20MHz\_16QAM\_21350\_1RB#0**



**BAND 7\_20MHz\_16QAM\_21350\_1RB#99**



**BAND 7\_20MHz\_16QAM\_21350\_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 Result

BAND	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
BAND 7	20MHz	QPSK	20850	1RB#0	Range1:0.009~0.15MHz	-66.63	PASS
BAND 7	20MHz	QPSK	20850	1RB#0	Range2:0.15~30MHz	-53.93	PASS
BAND 7	20MHz	QPSK	20850	1RB#0	Range3:30~1000MHz	-43.41	PASS
BAND 7	20MHz	QPSK	20850	1RB#0	Range4:1000~5000MHz	-52.15	PASS
BAND 7	20MHz	QPSK	20850	1RB#0	Range5:5000~12000MHz	-49.58	PASS
BAND 7	20MHz	QPSK	20850	1RB#0	Range6:12000~18000MHz	-49.61	PASS
BAND 7	20MHz	QPSK	21100	1RB#0	Range1:0.009~0.15MHz	-66.16	PASS
BAND 7	20MHz	QPSK	21100	1RB#0	Range2:0.15~30MHz	-54.3	PASS
BAND 7	20MHz	QPSK	21100	1RB#0	Range3:30~1000MHz	-43.5	PASS
BAND 7	20MHz	QPSK	21100	1RB#0	Range4:1000~5000MHz	-52.08	PASS
BAND 7	20MHz	QPSK	21100	1RB#0	Range5:5000~12000MHz	-49.44	PASS
BAND 7	20MHz	QPSK	21100	1RB#0	Range6:12000~18000MHz	-49.66	PASS
BAND 7	20MHz	QPSK	21350	1RB#0	Range1:0.009~0.15MHz	-66.72	PASS
BAND 7	20MHz	QPSK	21350	1RB#0	Range2:0.15~30MHz	-54.12	PASS
BAND 7	20MHz	QPSK	21350	1RB#0	Range3:30~1000MHz	-43.29	PASS
BAND 7	20MHz	QPSK	21350	1RB#0	Range4:1000~5000MHz	-52.23	PASS
BAND 7	20MHz	QPSK	21350	1RB#0	Range5:5000~12000MHz	-49.63	PASS
BAND 7	20MHz	QPSK	21350	1RB#0	Range6:12000~18000MHz	-49.62	PASS
BAND 7	20MHz	64QAM	20850	1RB#0	Range1:0.009~0.15MHz	-68.63	PASS
BAND 7	20MHz	64QAM	20850	1RB#0	Range2:0.15~30MHz	-53.14	PASS
BAND 7	20MHz	64QAM	20850	1RB#0	Range3:30~1000MHz	-41.79	PASS
BAND 7	20MHz	64QAM	20850	1RB#0	Range4:1000~5000MHz	-52.14	PASS
BAND 7	20MHz	64QAM	20850	1RB#0	Range5:5000~12000MHz	-49.49	PASS
BAND 7	20MHz	64QAM	20850	1RB#0	Range6:12000~18000MHz	-49.54	PASS
BAND 7	20MHz	64QAM	21100	1RB#0	Range1:0.009~0.15MHz	-67.39	PASS
BAND 7	20MHz	64QAM	21100	1RB#0	Range2:0.15~30MHz	-53.01	PASS
BAND 7	20MHz	64QAM	21100	1RB#0	Range3:30~1000MHz	-43.96	PASS
BAND 7	20MHz	64QAM	21100	1RB#0	Range4:1000~5000MHz	-51.99	PASS
BAND 7	20MHz	64QAM	21100	1RB#0	Range5:5000~12000MHz	-49.51	PASS
BAND 7	20MHz	64QAM	21100	1RB#0	Range6:12000~18000MHz	-49.51	PASS



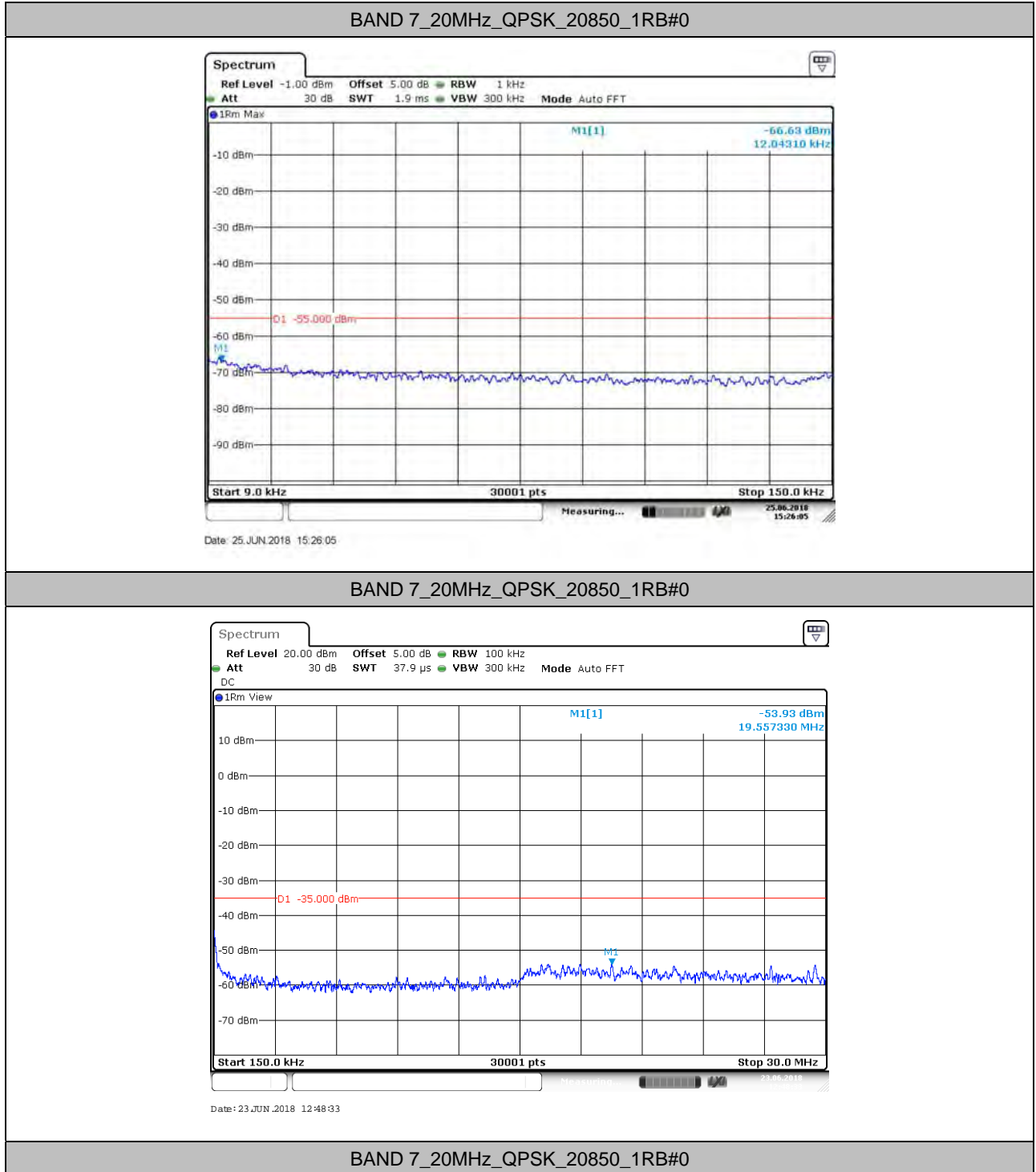
**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

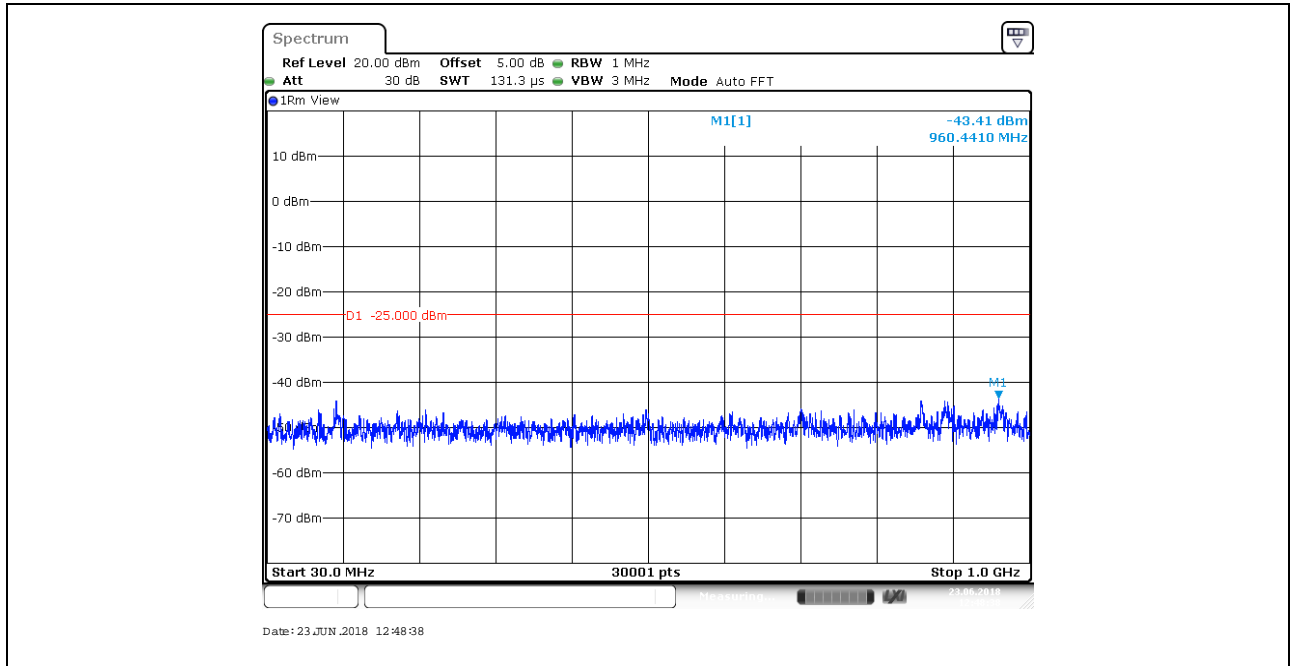
Report No.: SZEM180500453601

Page: 76 of 107

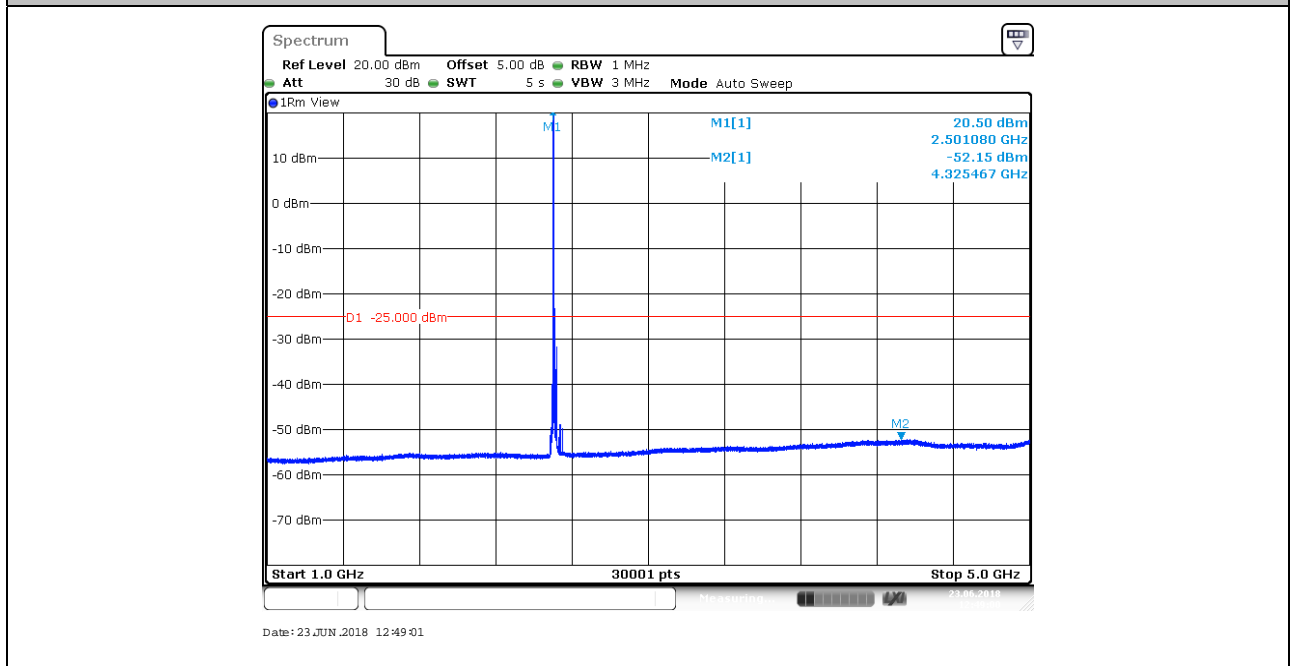
BAND 7	20MHz	64QAM	21350	1RB#0	Range1:0.009~0.15MHz	-67.27	PASS
BAND 7	20MHz	64QAM	21350	1RB#0	Range2:0.15~30MHz	-50.61	PASS
BAND 7	20MHz	64QAM	21350	1RB#0	Range3:30~1000MHz	-43.62	PASS
BAND 7	20MHz	64QAM	21350	1RB#0	Range4:1000~5000MHz	-52.02	PASS
BAND 7	20MHz	64QAM	21350	1RB#0	Range5:5000~12000MHz	-48.89	PASS
BAND 7	20MHz	64QAM	21350	1RB#0	Range6:12000~18000MHz	-49.5	PASS
BAND 7	20MHz	16QAM	20850	1RB#0	Range1:0.009~0.15MHz	-66.83	PASS
BAND 7	20MHz	16QAM	20850	1RB#0	Range2:0.15~30MHz	-52.2	PASS
BAND 7	20MHz	16QAM	20850	1RB#0	Range3:30~1000MHz	-43.76	PASS
BAND 7	20MHz	16QAM	20850	1RB#0	Range4:1000~5000MHz	-51.94	PASS
BAND 7	20MHz	16QAM	20850	1RB#0	Range5:5000~12000MHz	-49.64	PASS
BAND 7	20MHz	16QAM	20850	1RB#0	Range6:12000~18000MHz	-49.81	PASS
BAND 7	20MHz	16QAM	21100	1RB#0	Range1:0.009~0.15MHz	-66.66	PASS
BAND 7	20MHz	16QAM	21100	1RB#0	Range2:0.15~30MHz	-52.34	PASS
BAND 7	20MHz	16QAM	21100	1RB#0	Range3:30~1000MHz	-44.38	PASS
BAND 7	20MHz	16QAM	21100	1RB#0	Range4:1000~5000MHz	-52.23	PASS
BAND 7	20MHz	16QAM	21100	1RB#0	Range5:5000~12000MHz	-49.56	PASS
BAND 7	20MHz	16QAM	21100	1RB#0	Range6:12000~18000MHz	-49.43	PASS
BAND 7	20MHz	16QAM	21350	1RB#0	Range1:0.009~0.15MHz	-66.56	PASS
BAND 7	20MHz	16QAM	21350	1RB#0	Range2:0.15~30MHz	-53.39	PASS
BAND 7	20MHz	16QAM	21350	1RB#0	Range3:30~1000MHz	-43.51	PASS
BAND 7	20MHz	16QAM	21350	1RB#0	Range4:1000~5000MHz	-52.08	PASS
BAND 7	20MHz	16QAM	21350	1RB#0	Range5:5000~12000MHz	-49.69	PASS
BAND 7	20MHz	16QAM	21350	1RB#0	Range6:12000~18000MHz	-49.67	PASS

## 6.2. Test Plots

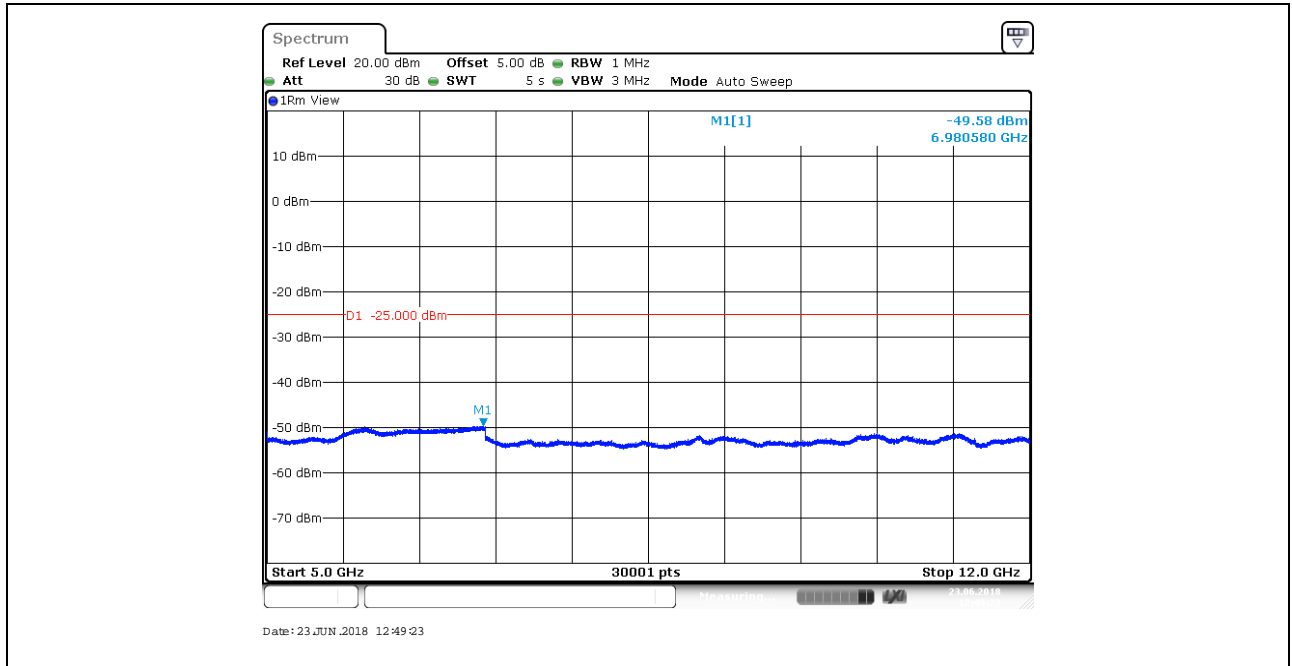

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**BAND 7\_20MHz\_QPSK\_20850\_1RB#0**



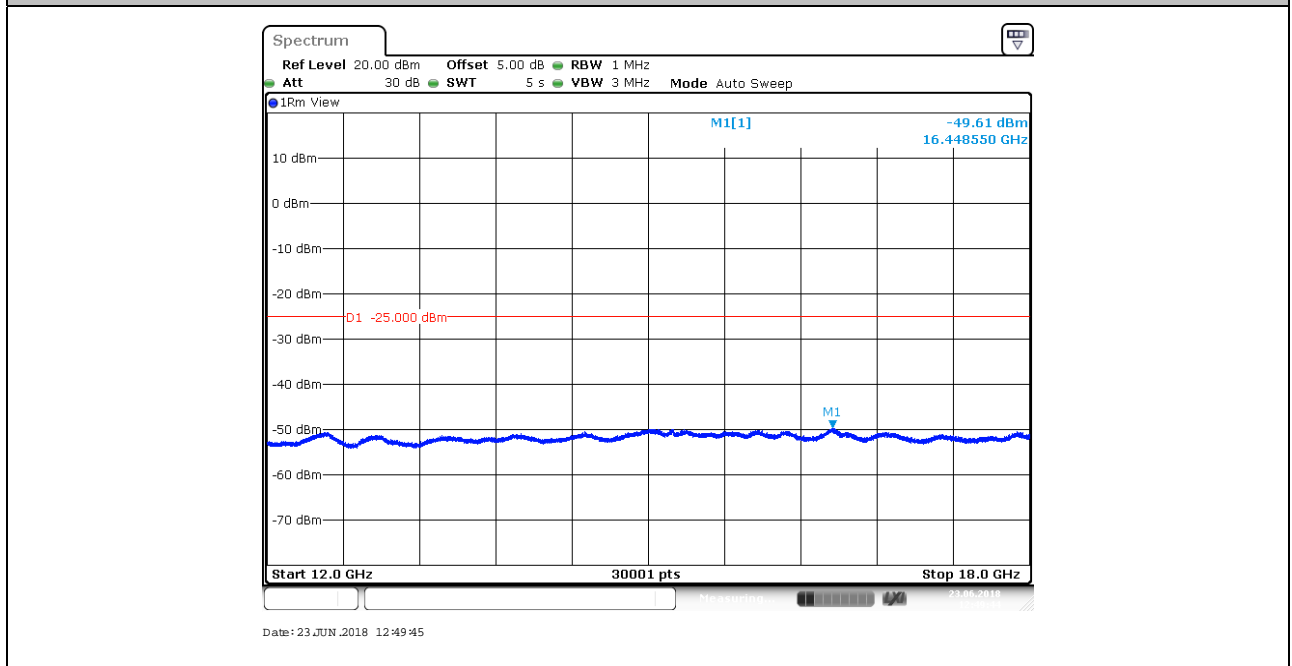
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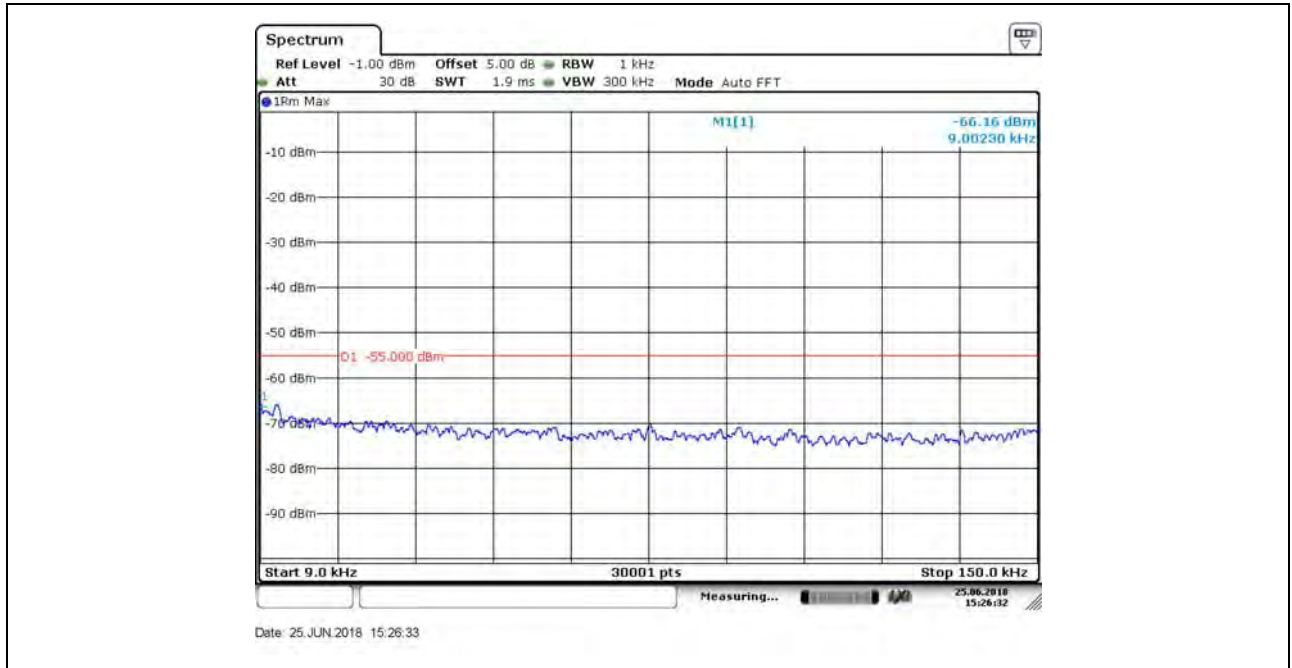


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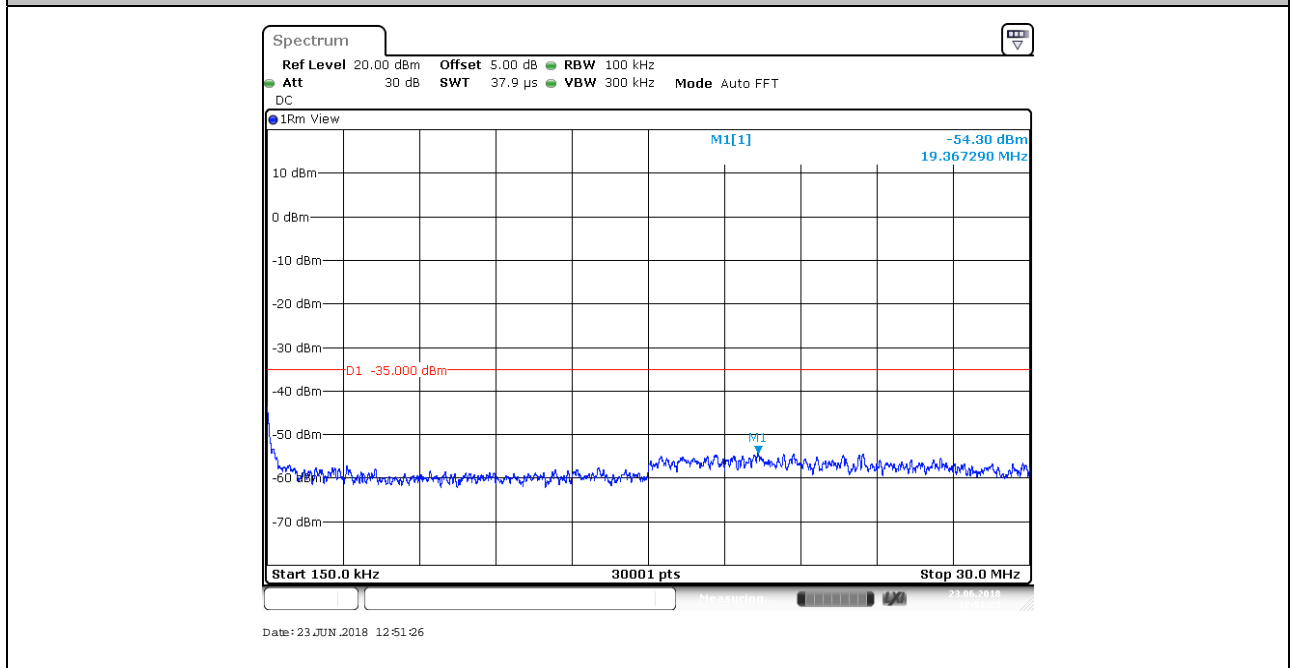


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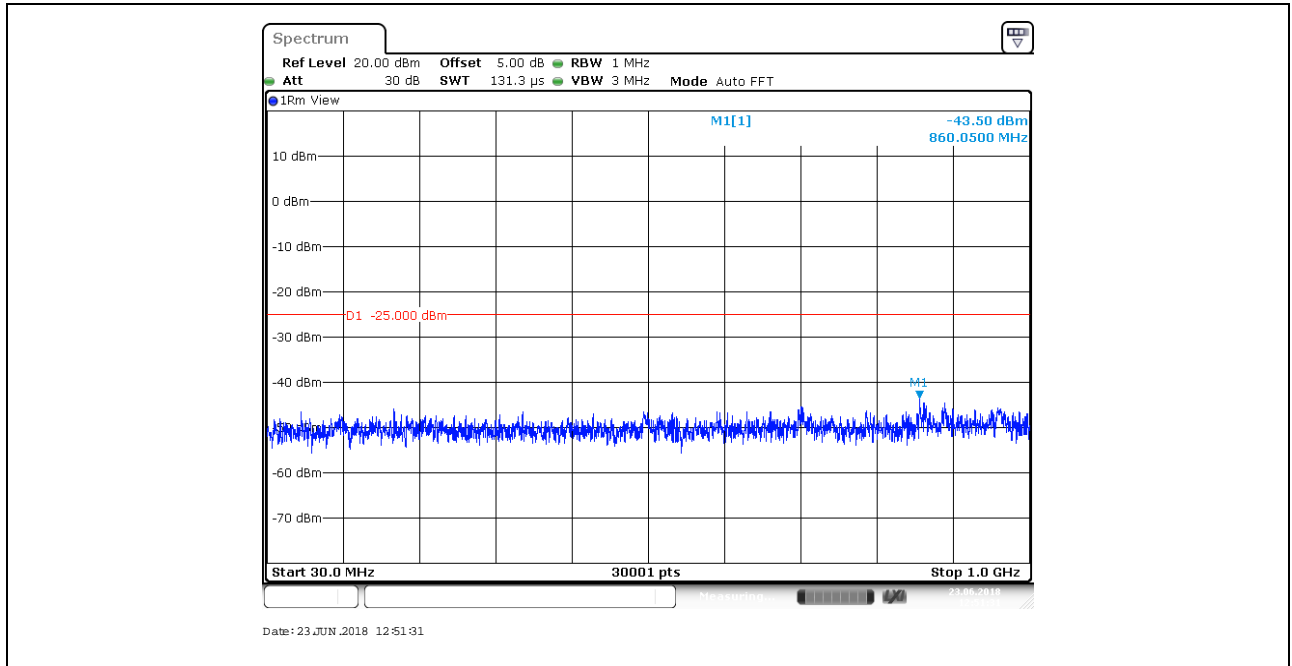




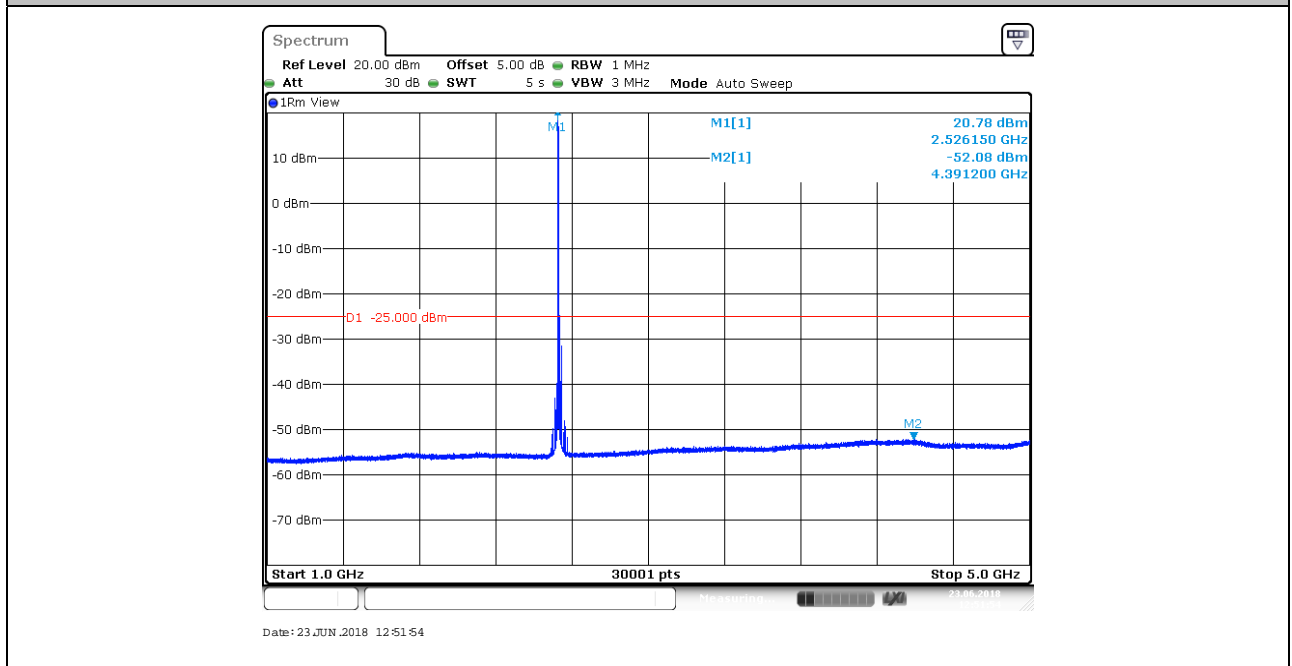
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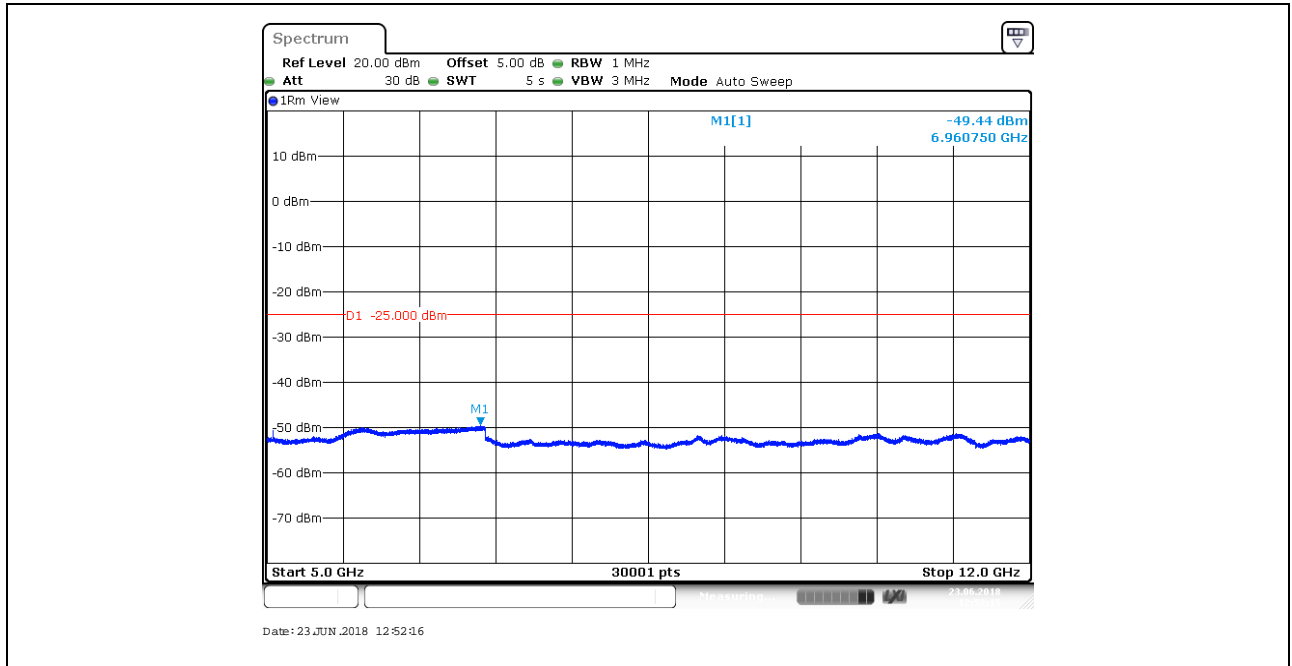
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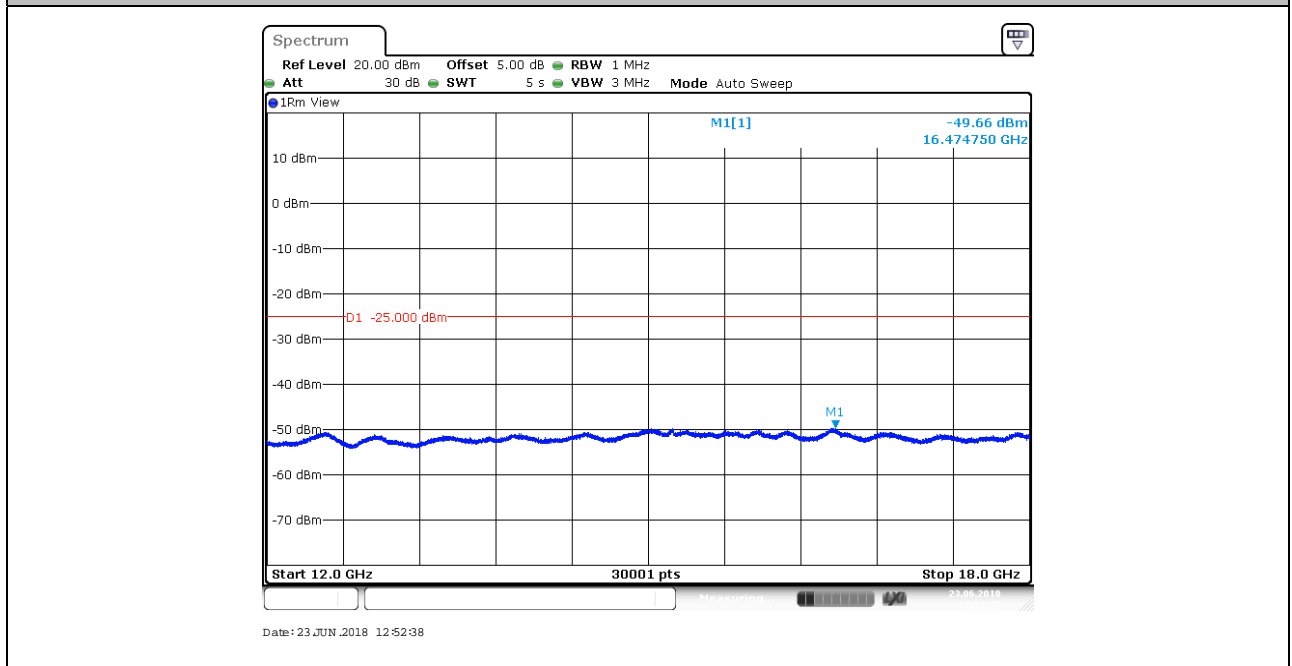
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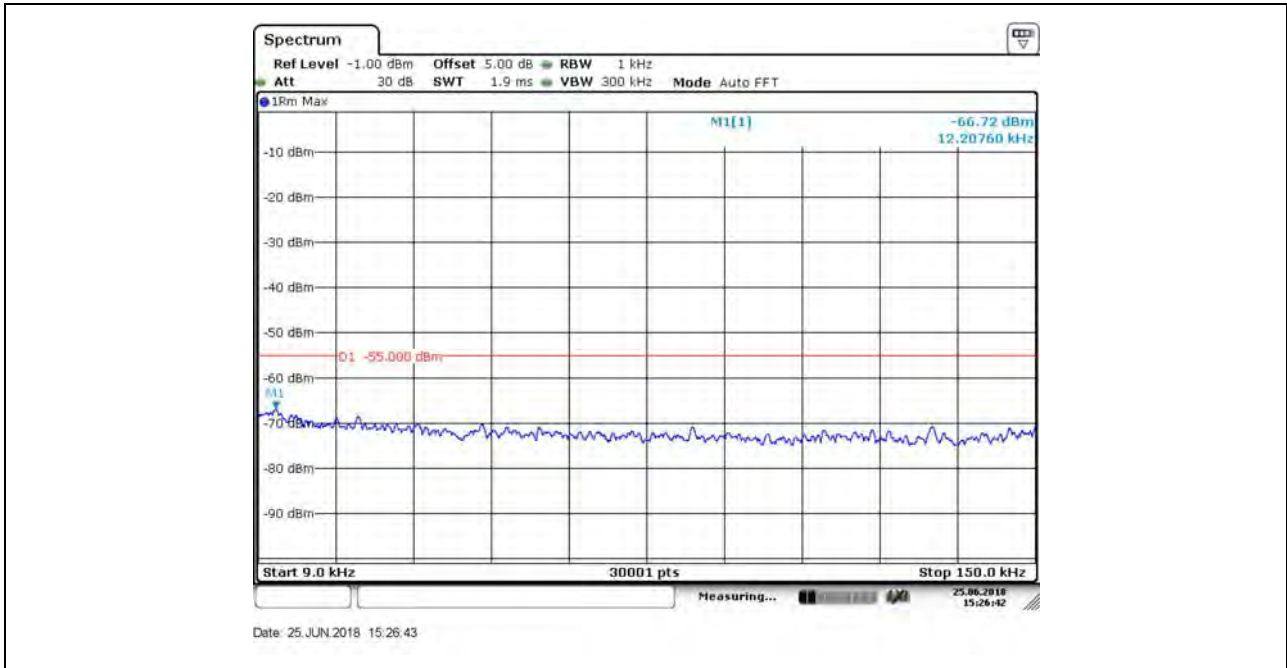
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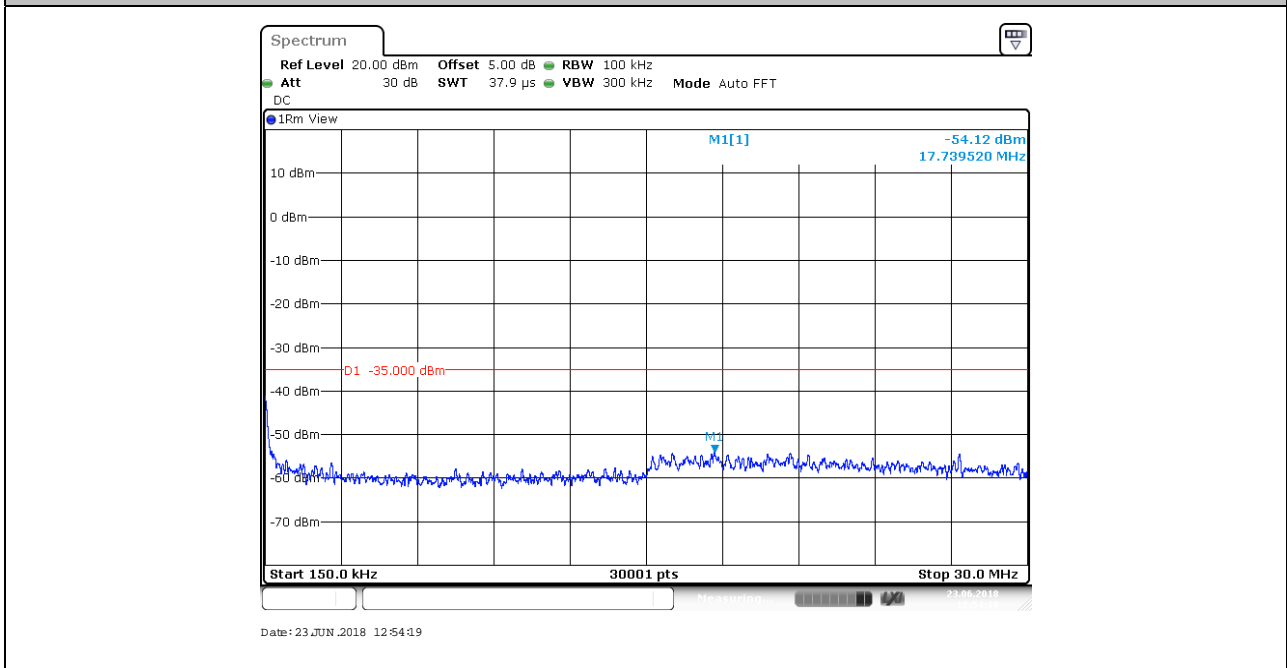
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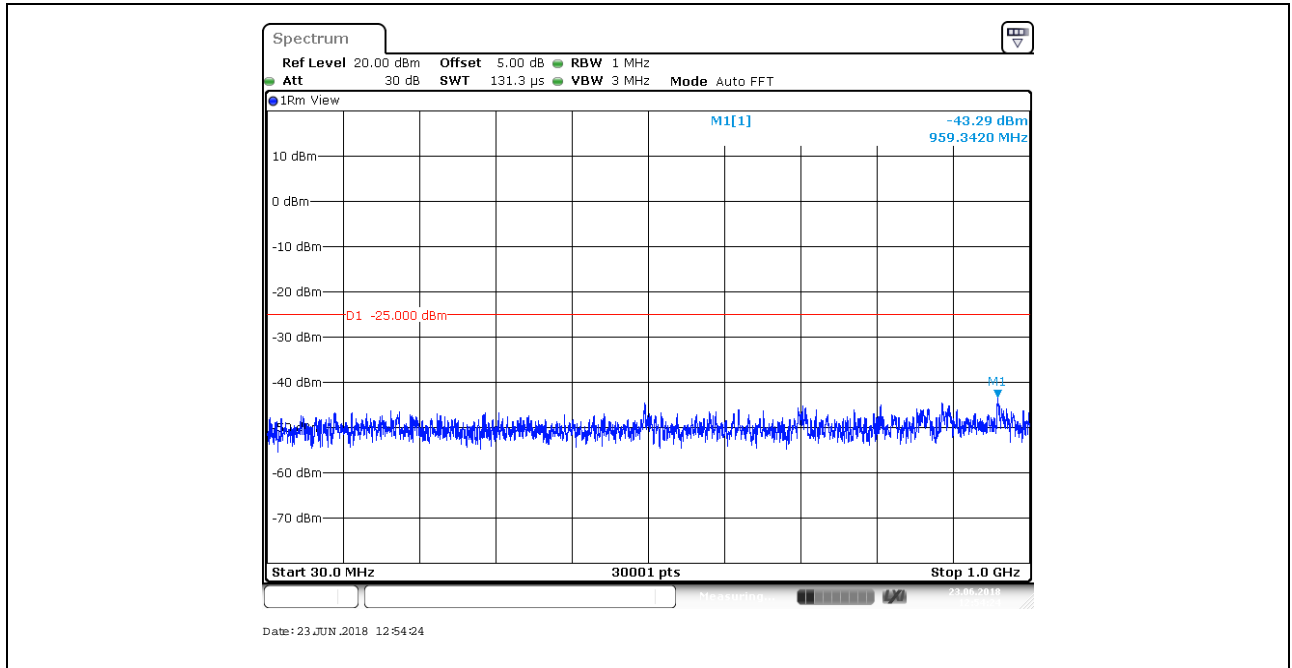
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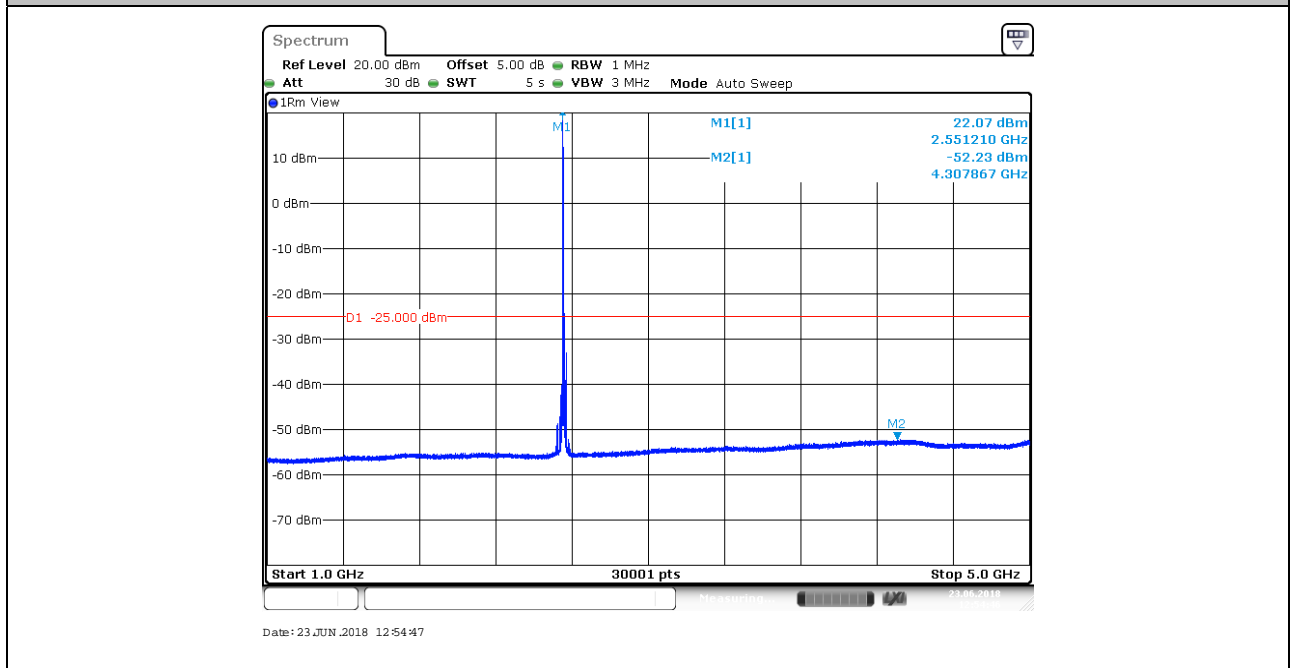
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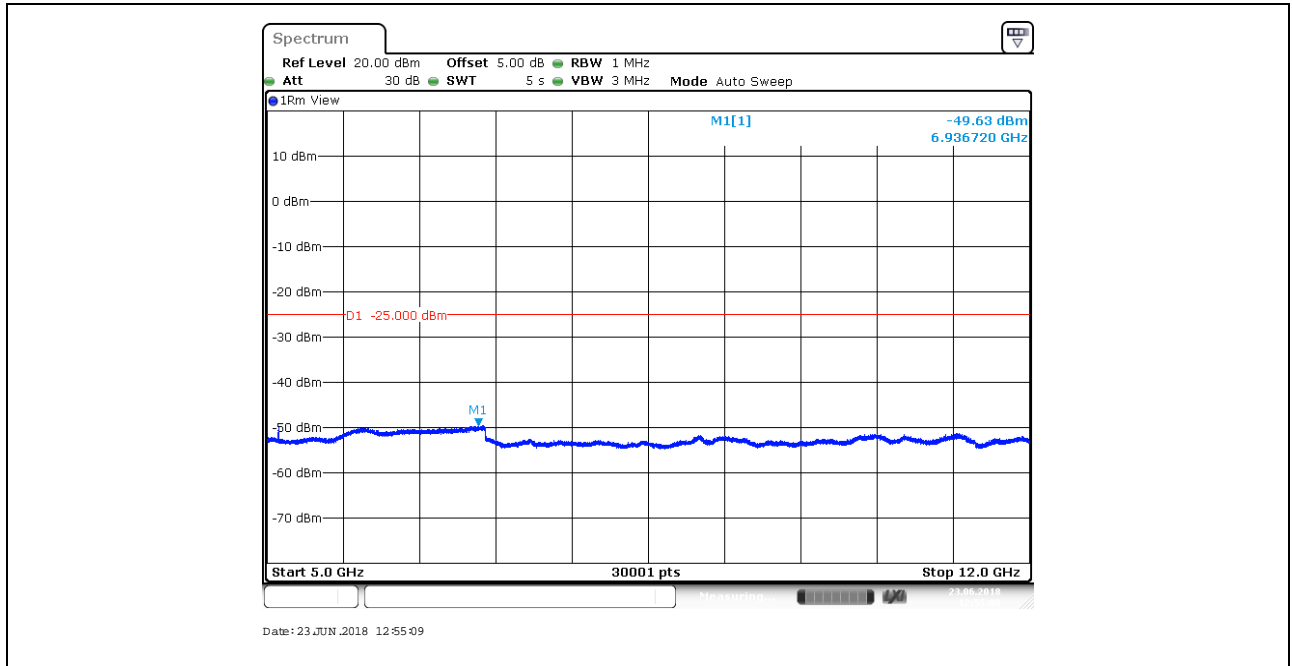
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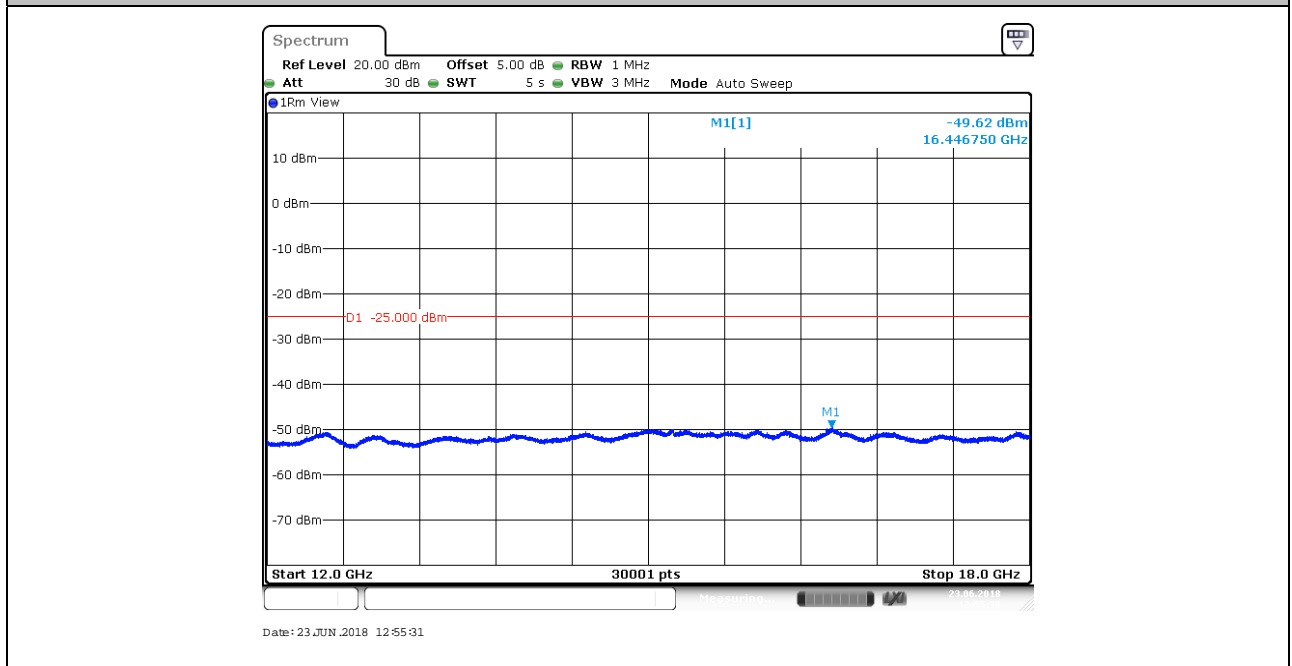
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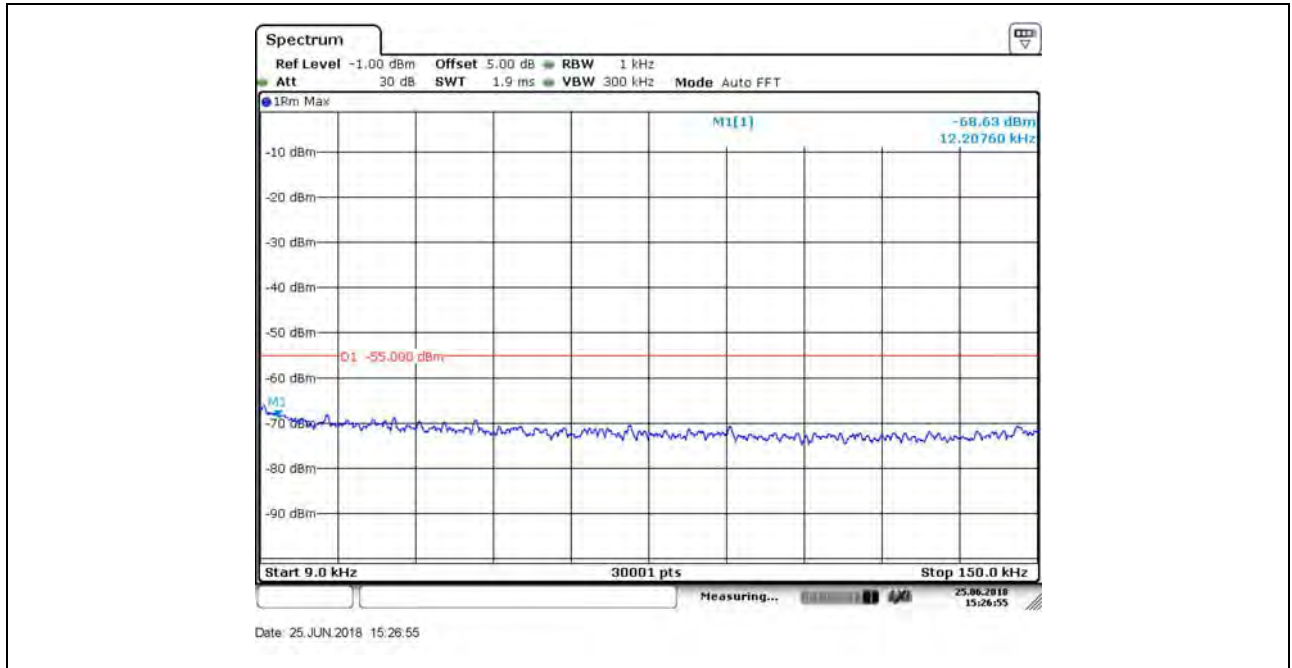
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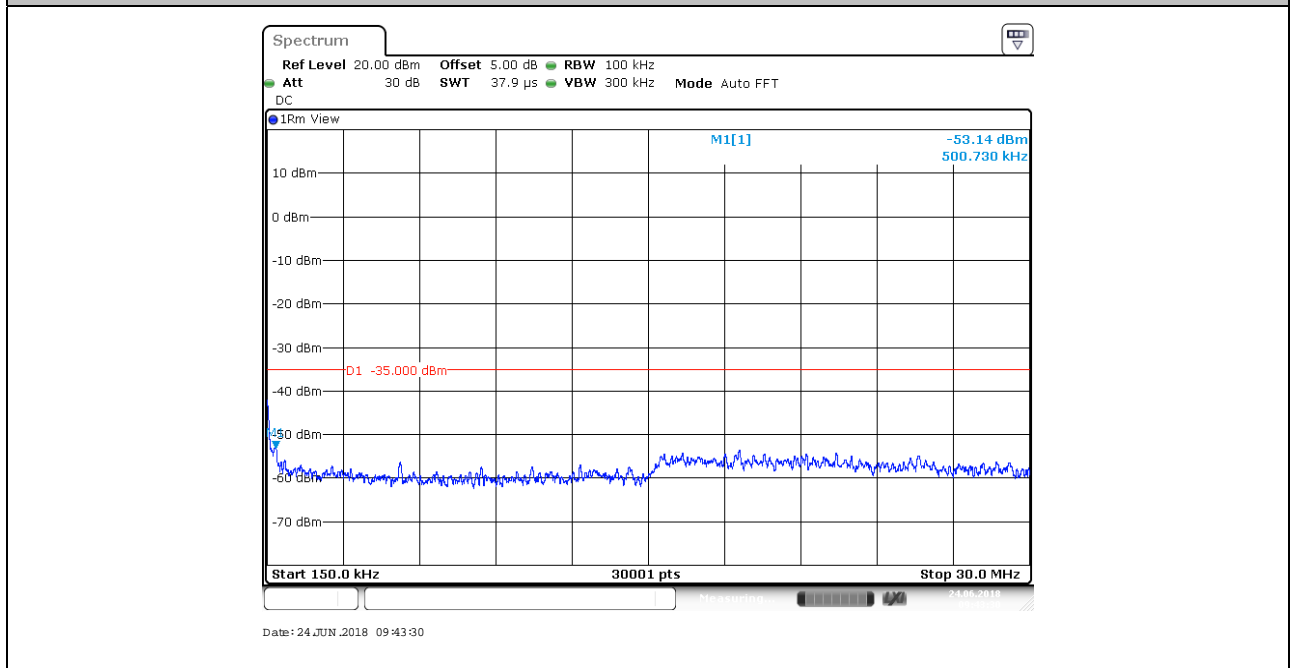
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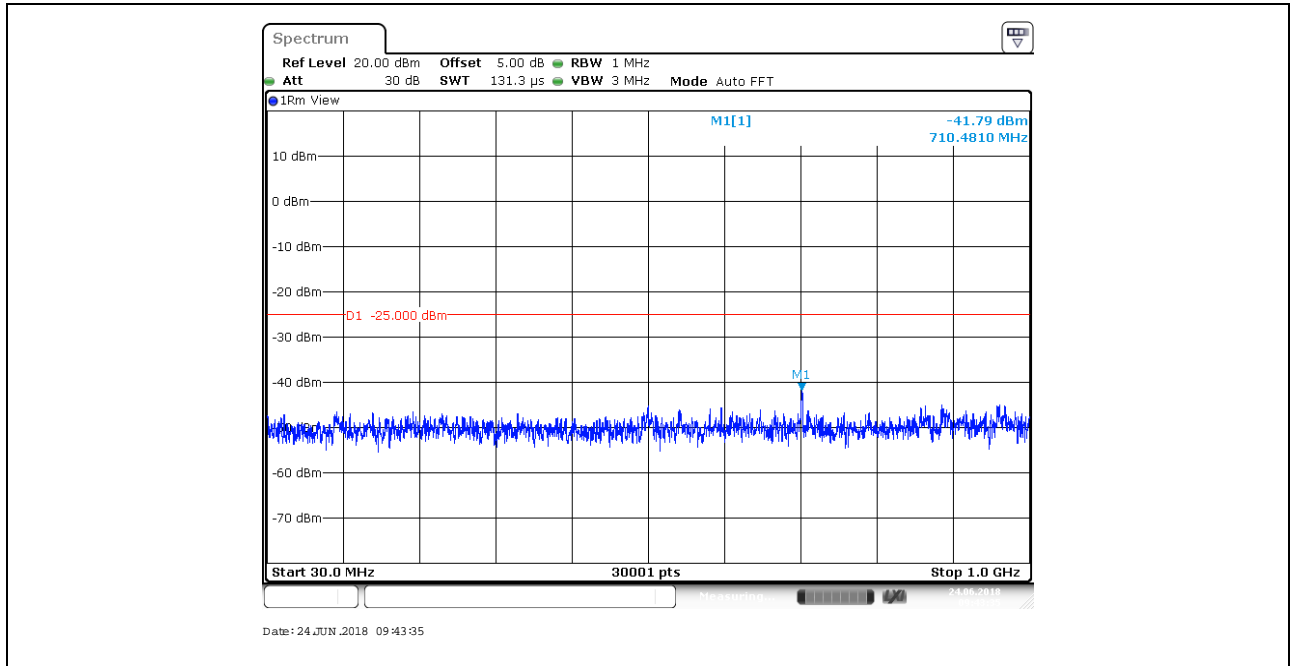
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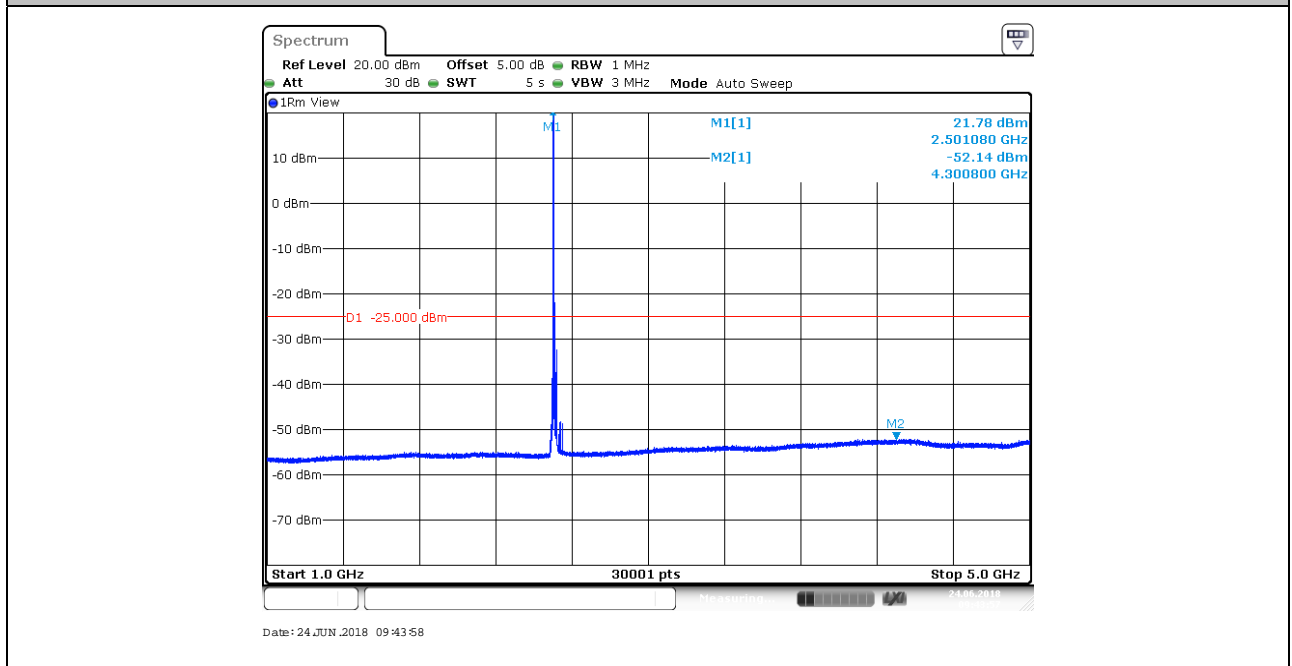
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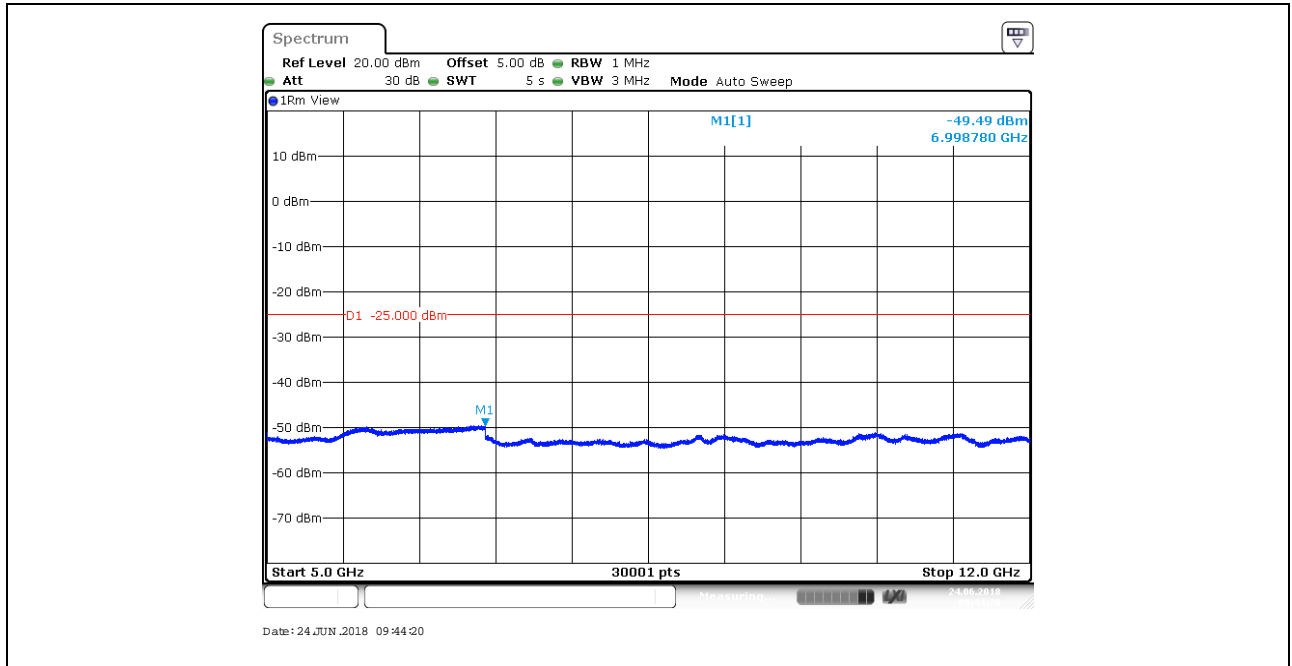


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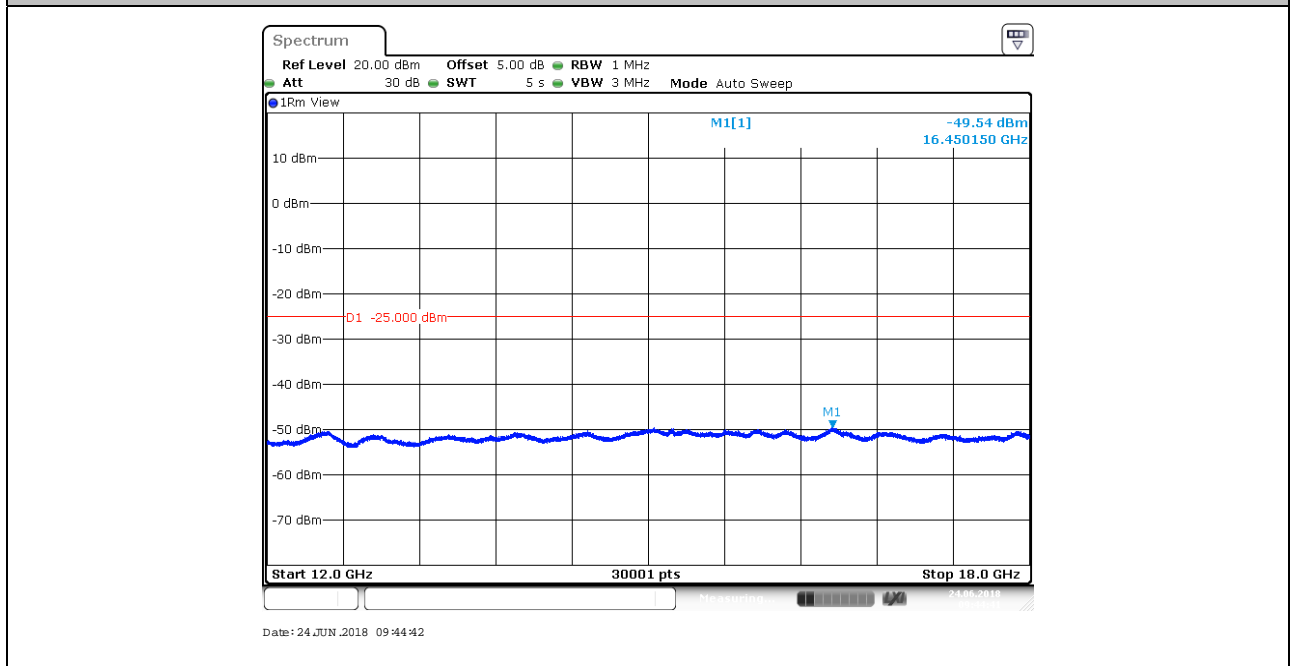


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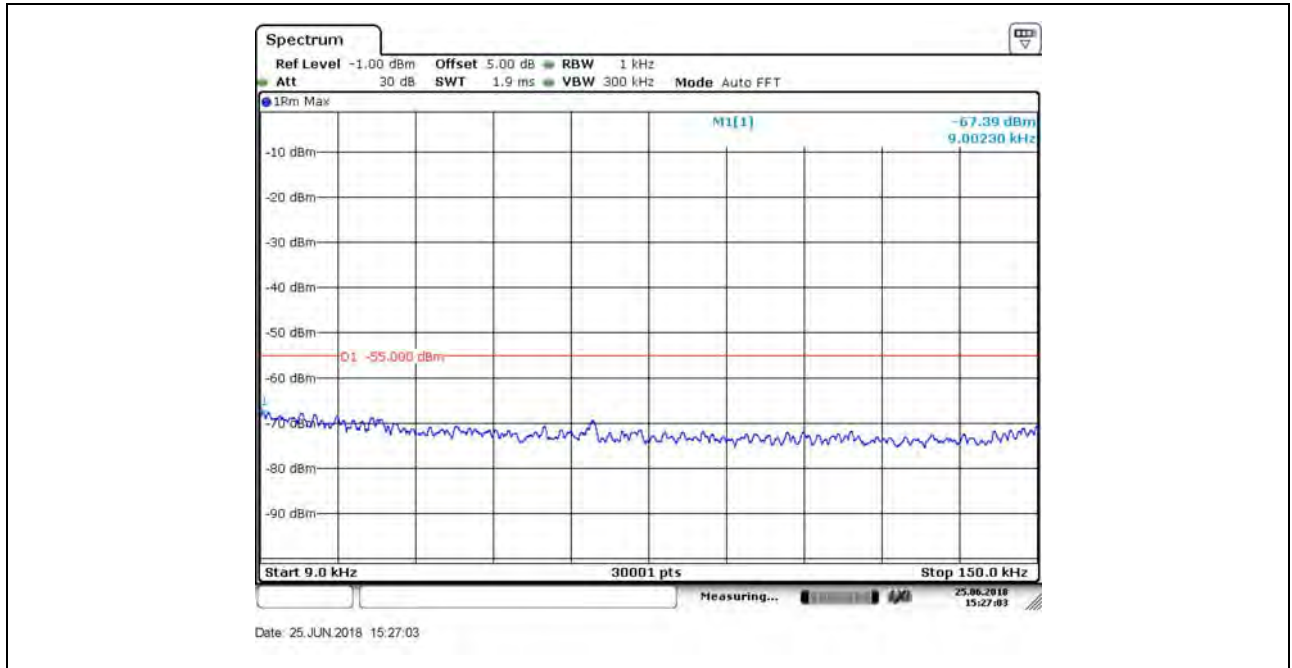




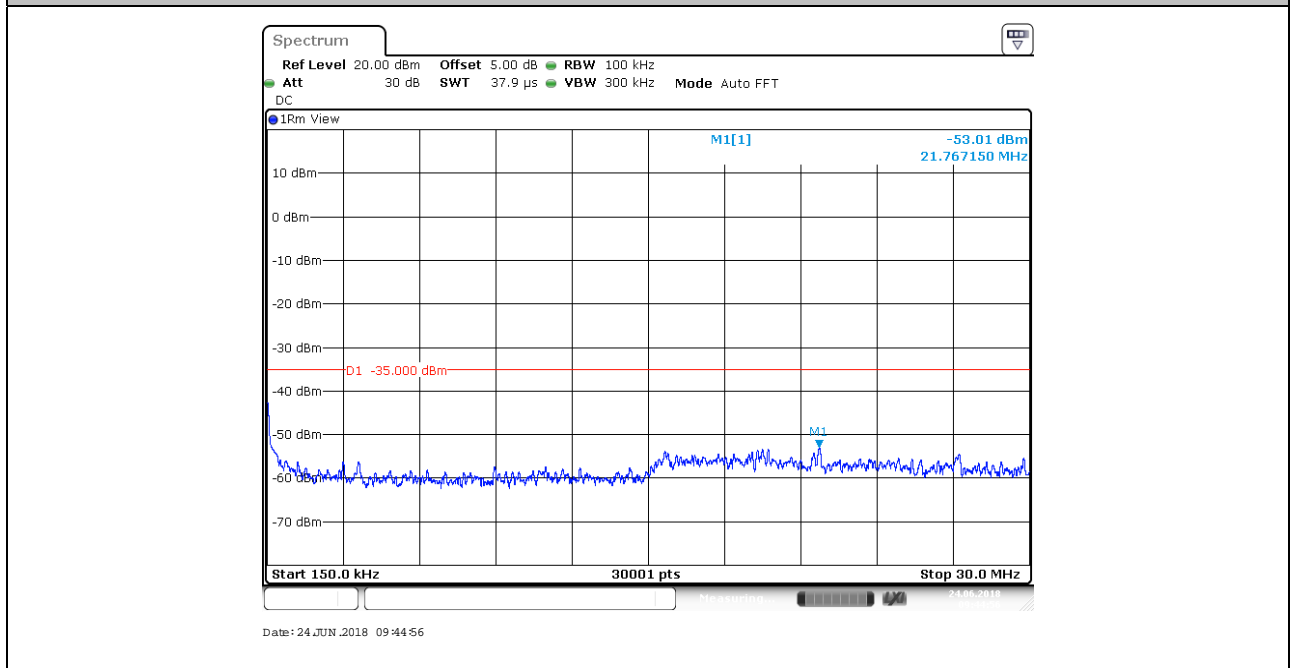
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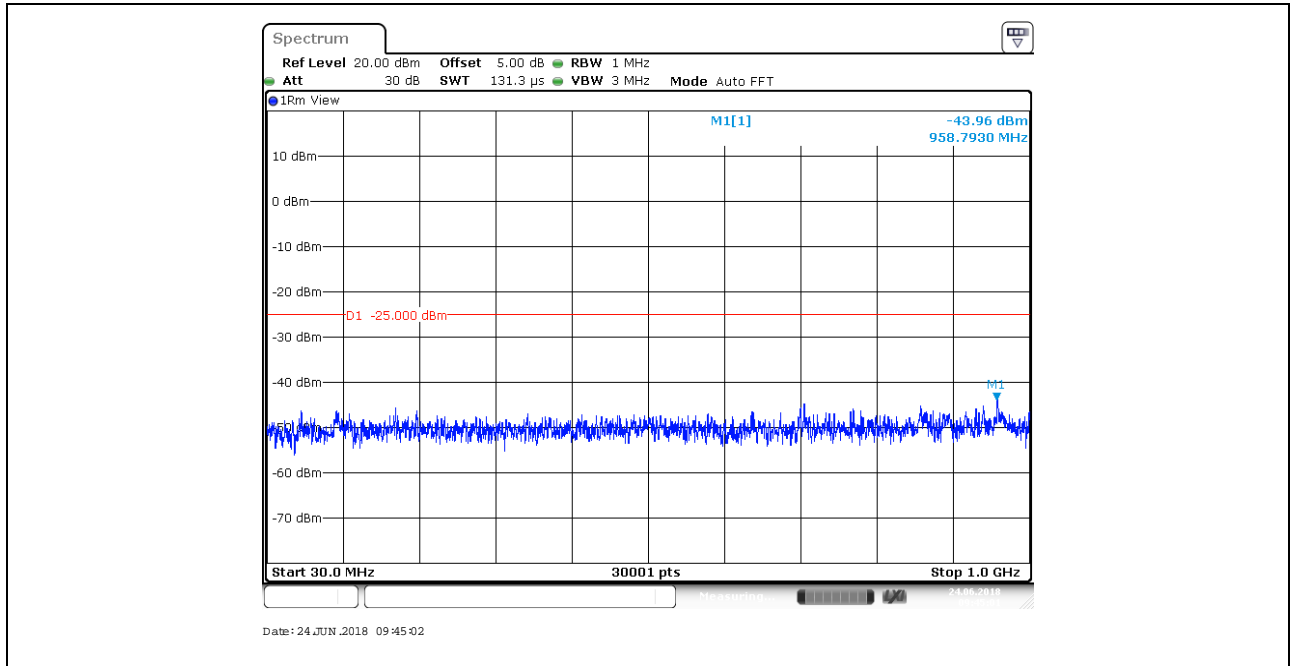
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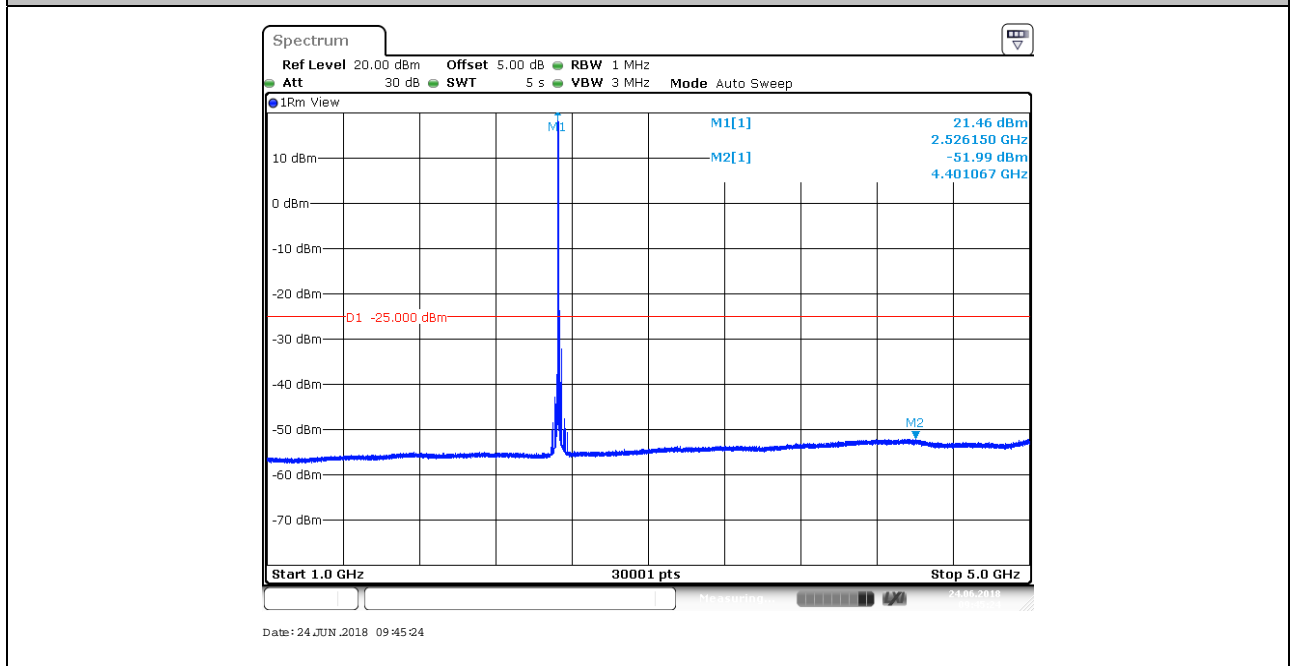
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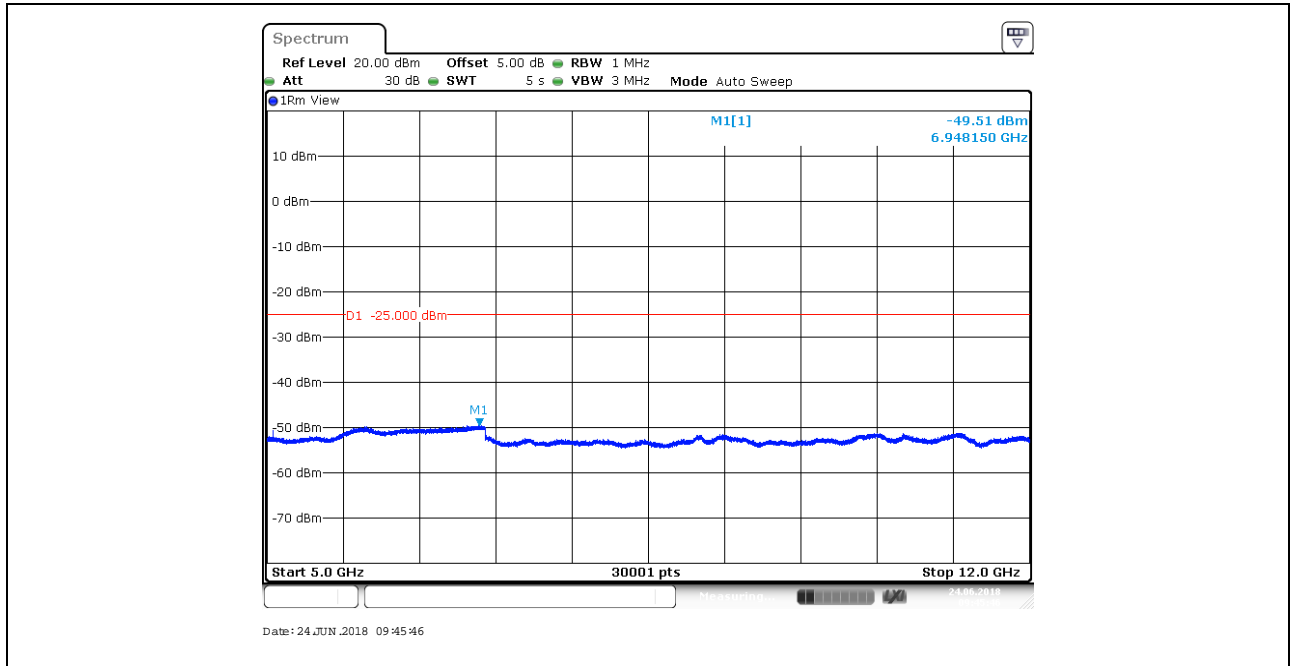
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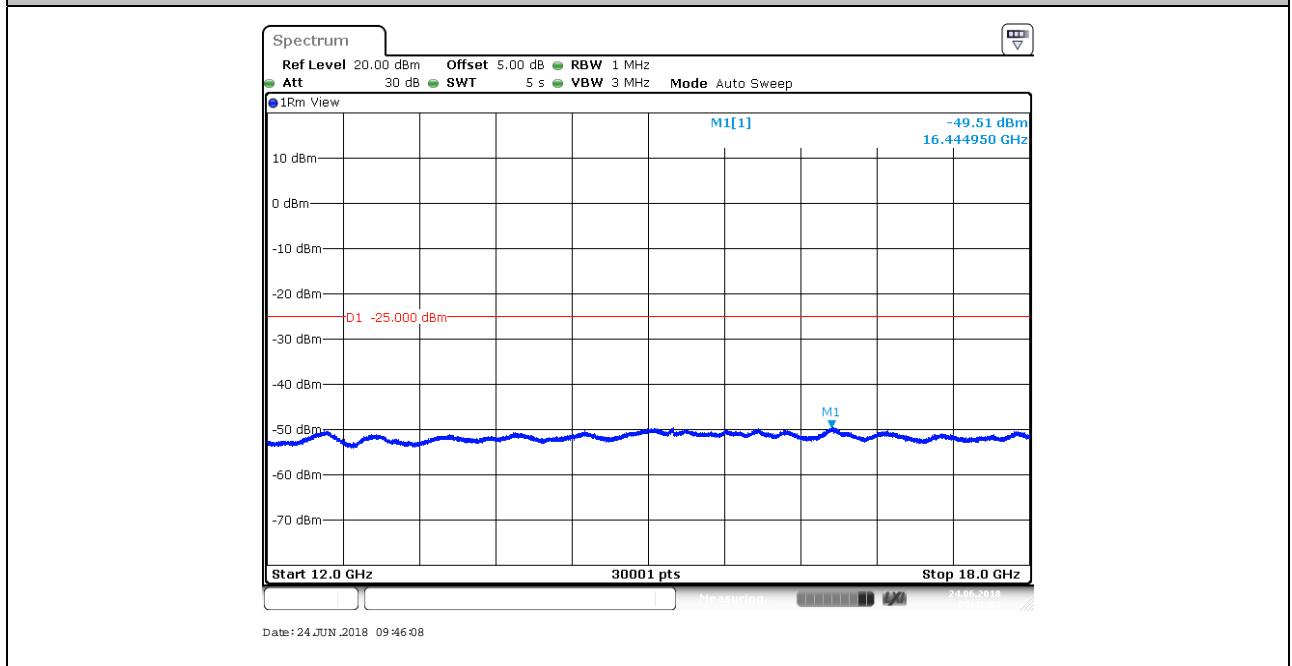
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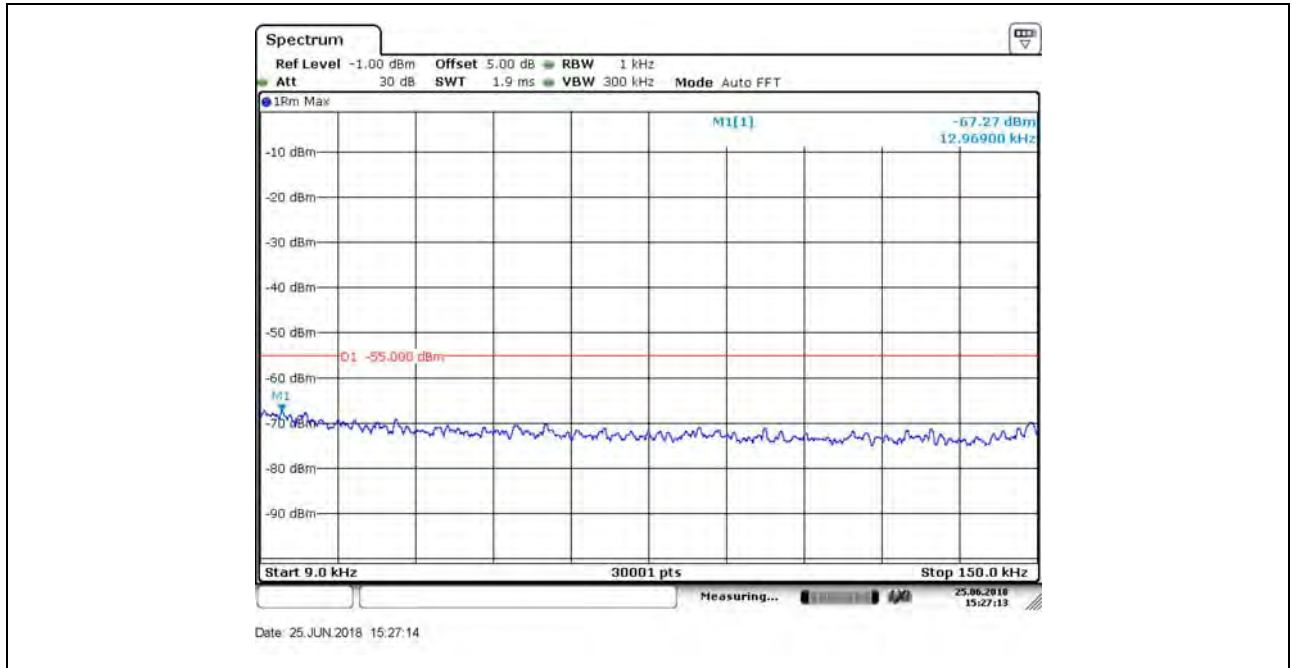
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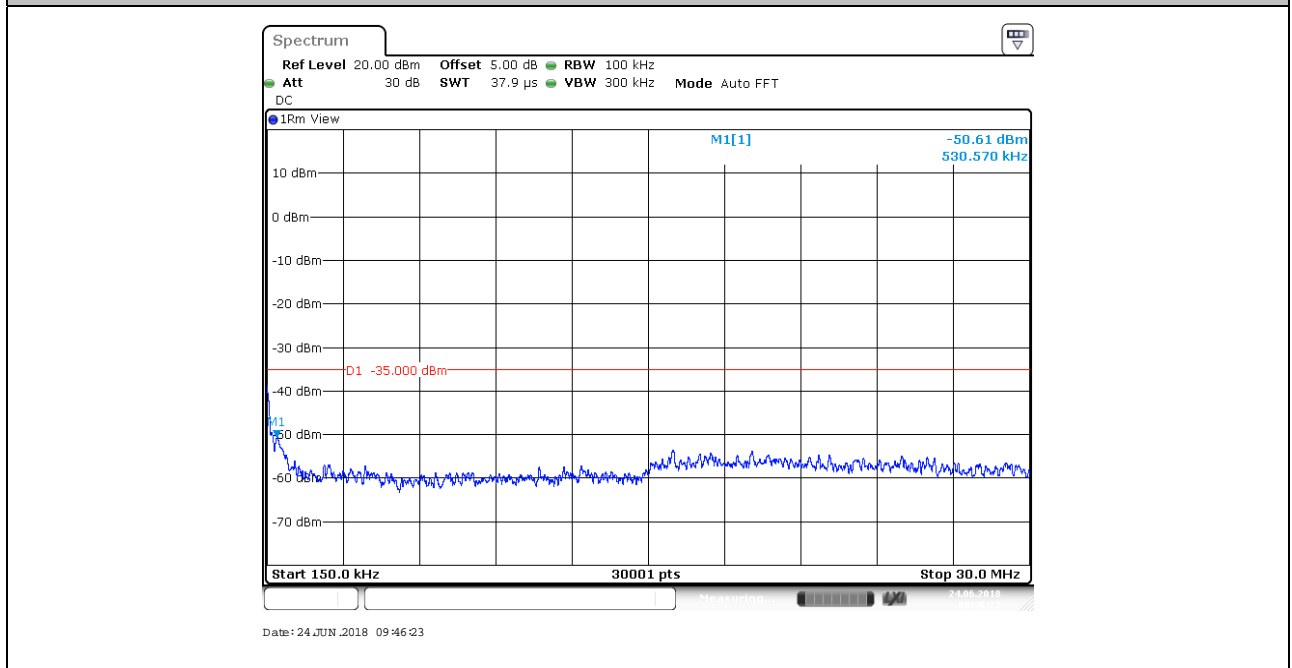
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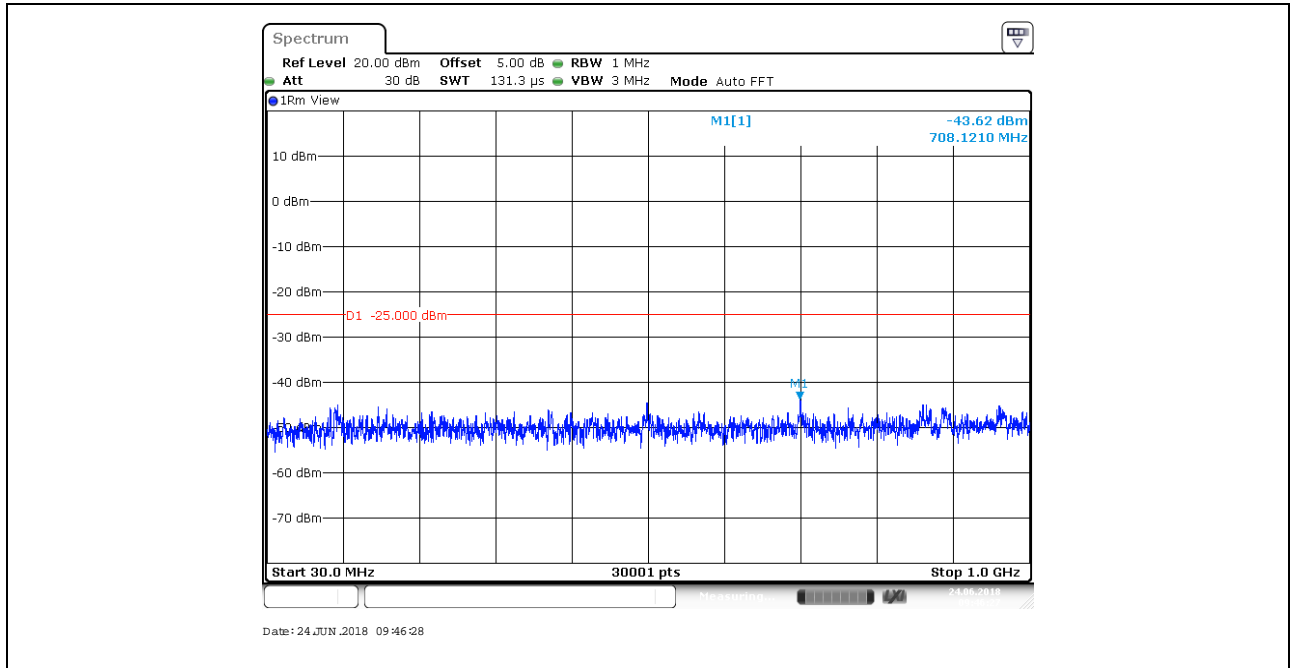
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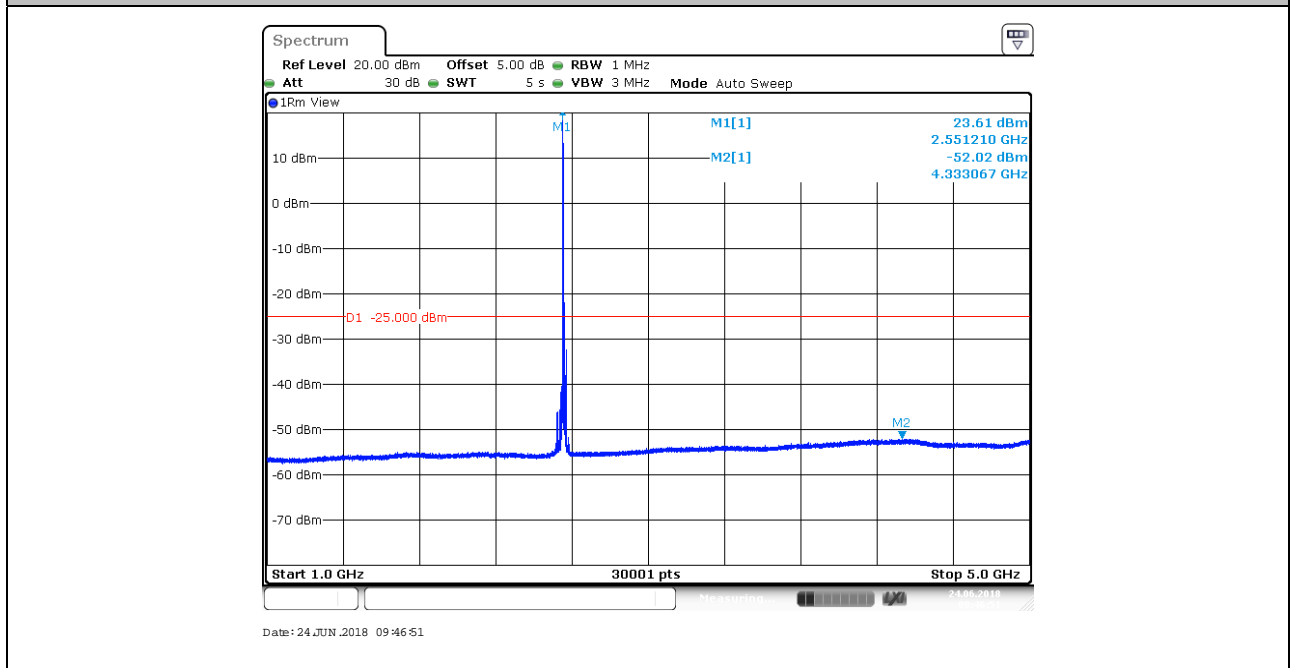
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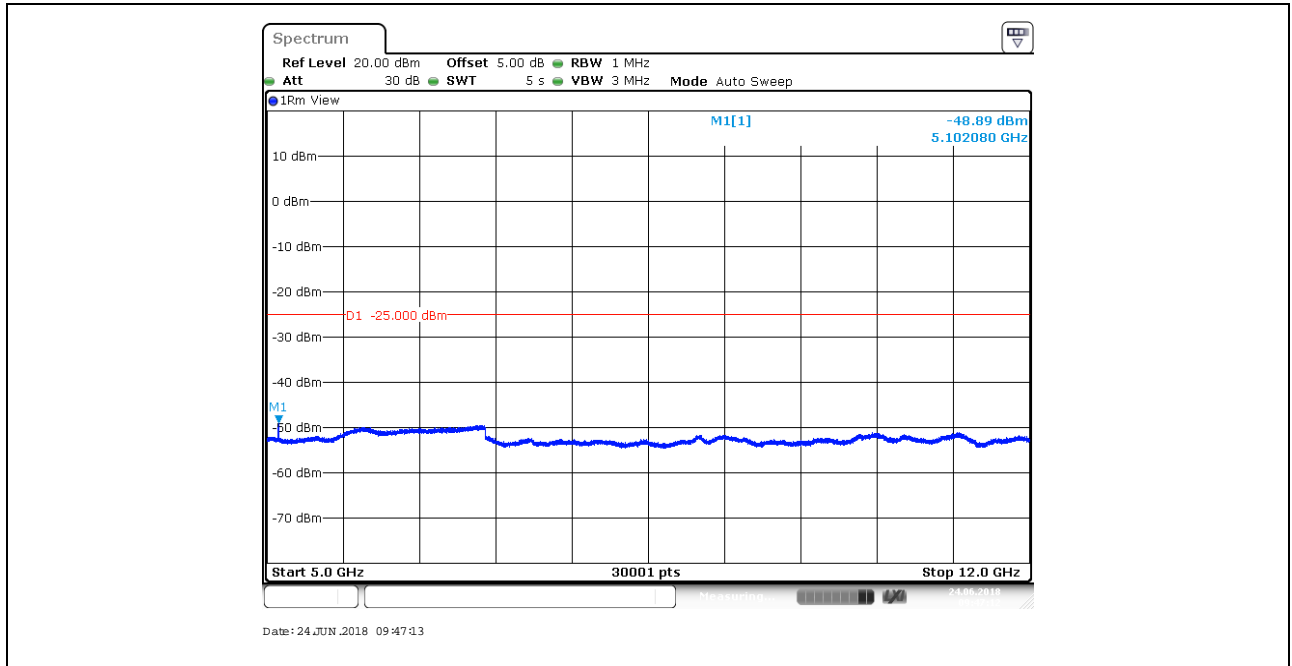
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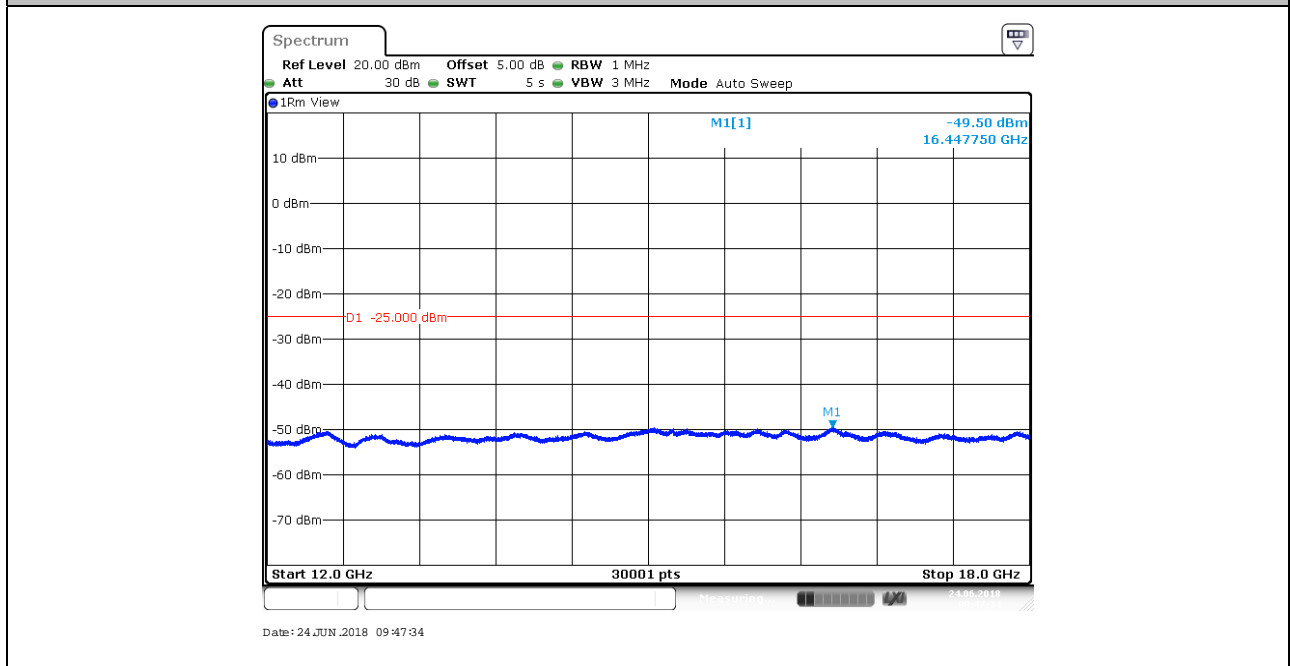
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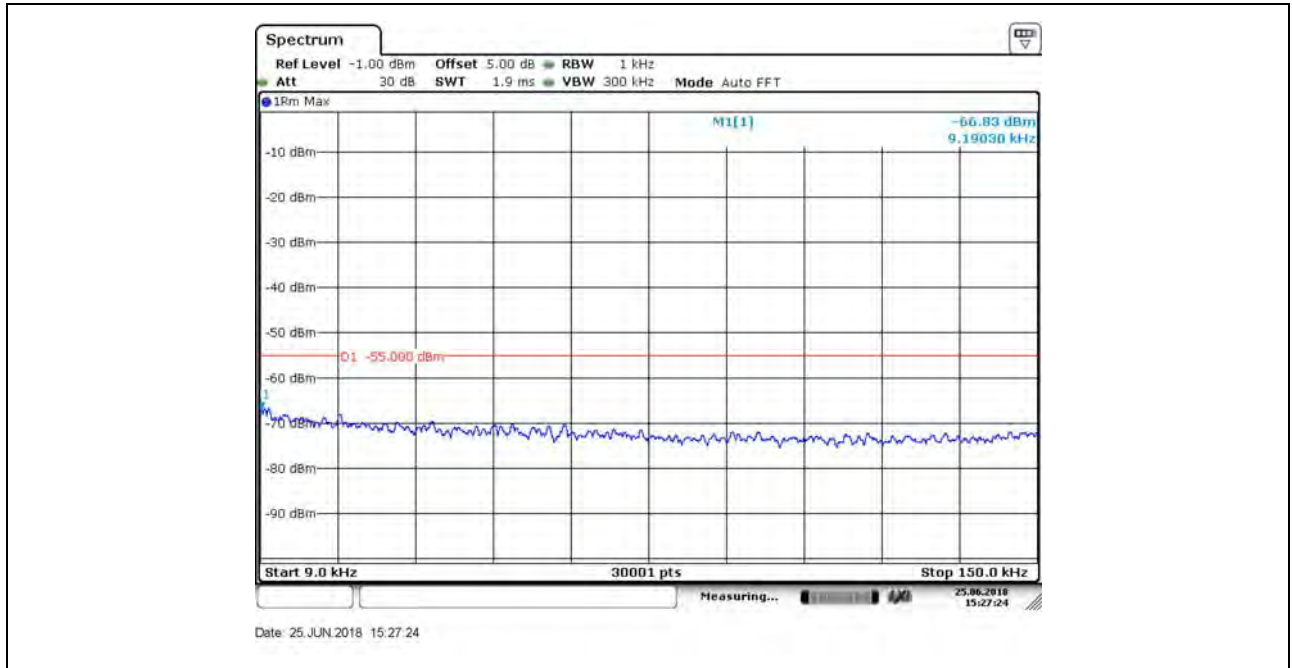
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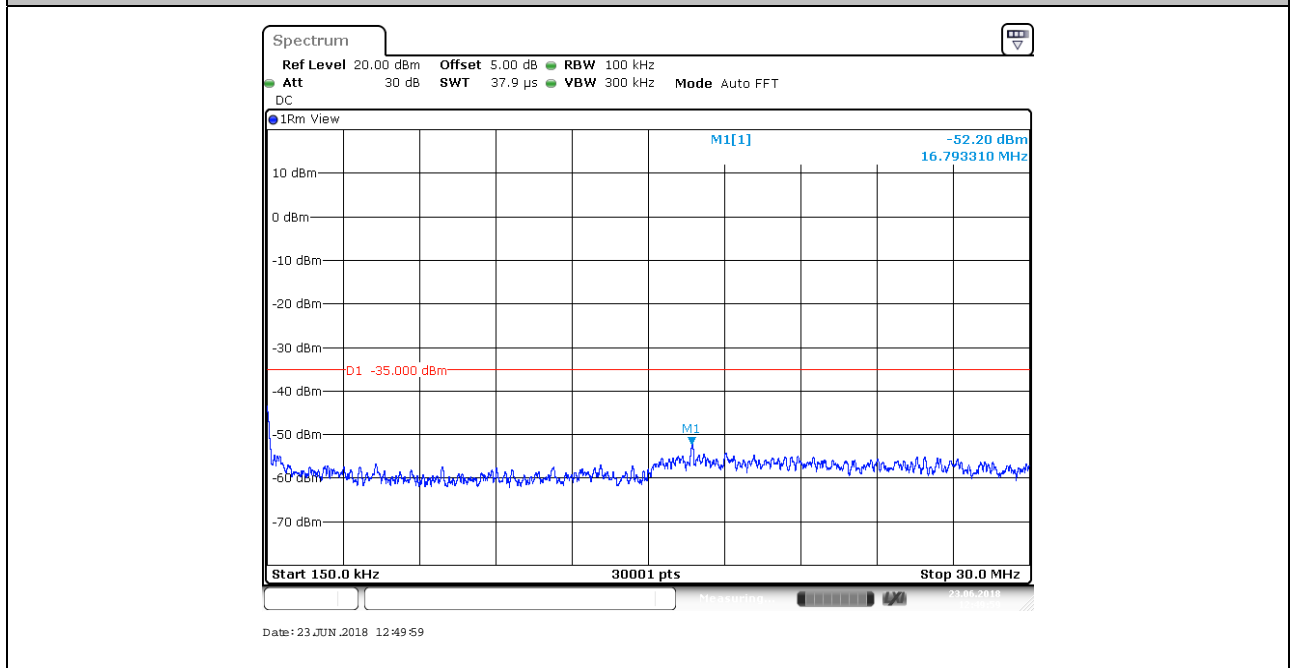
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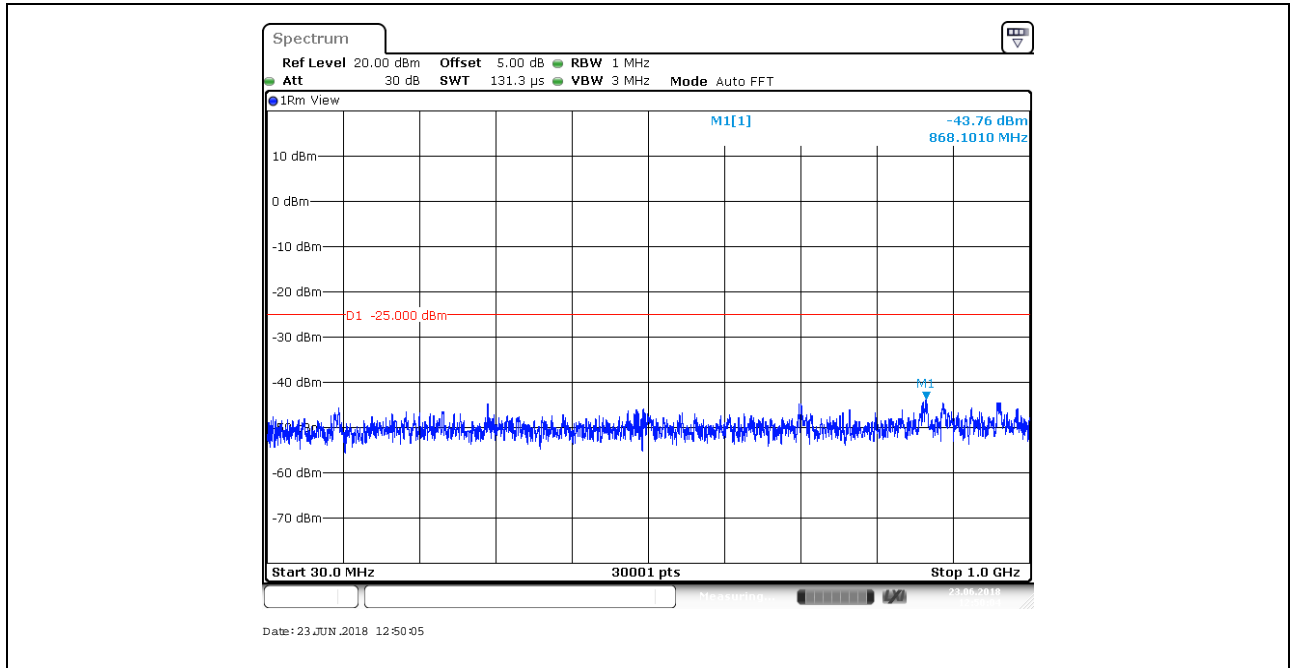


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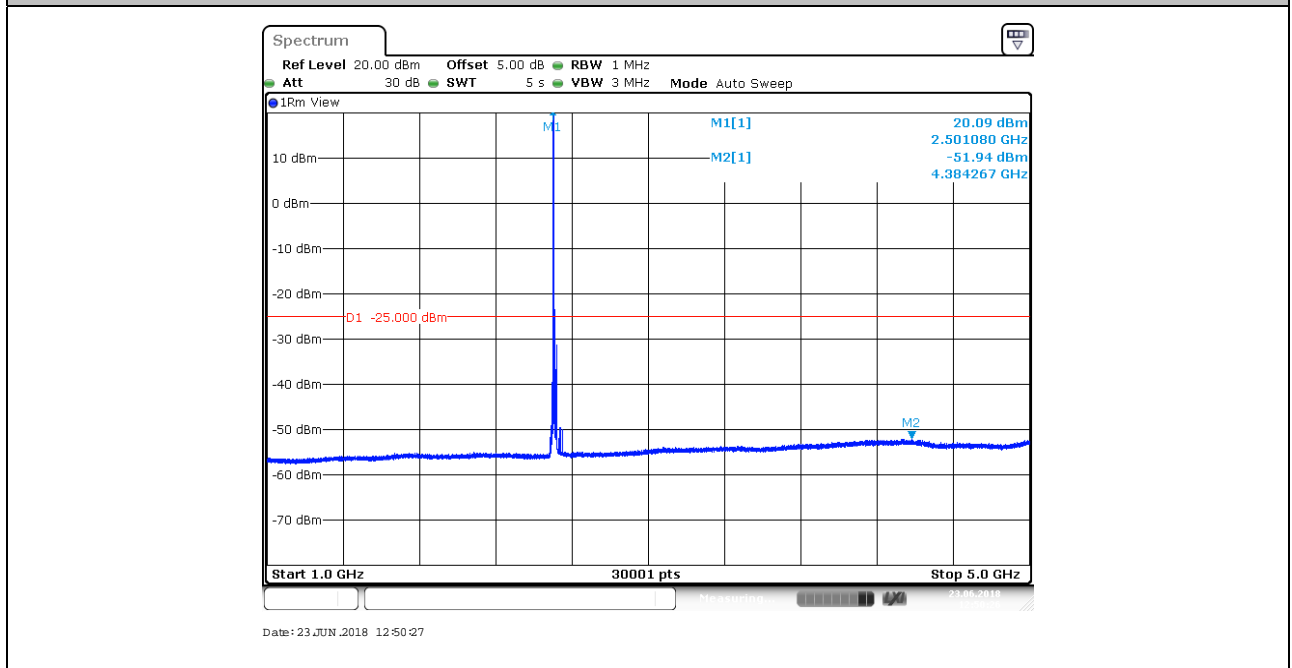


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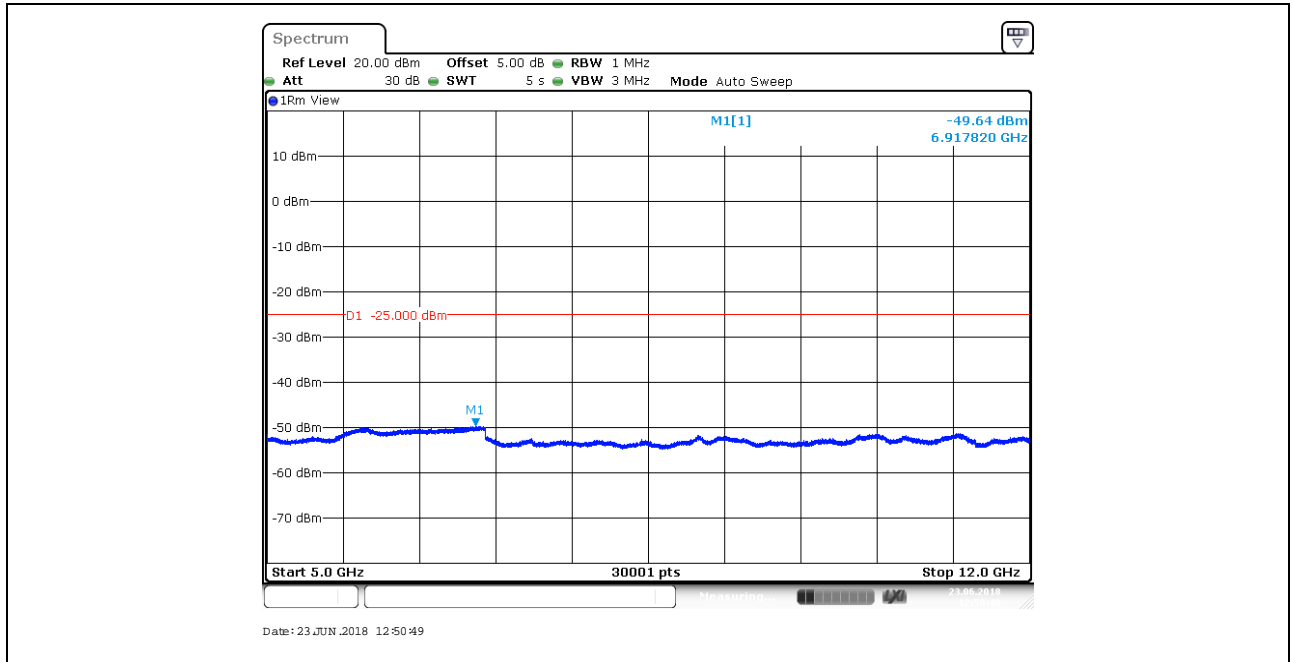




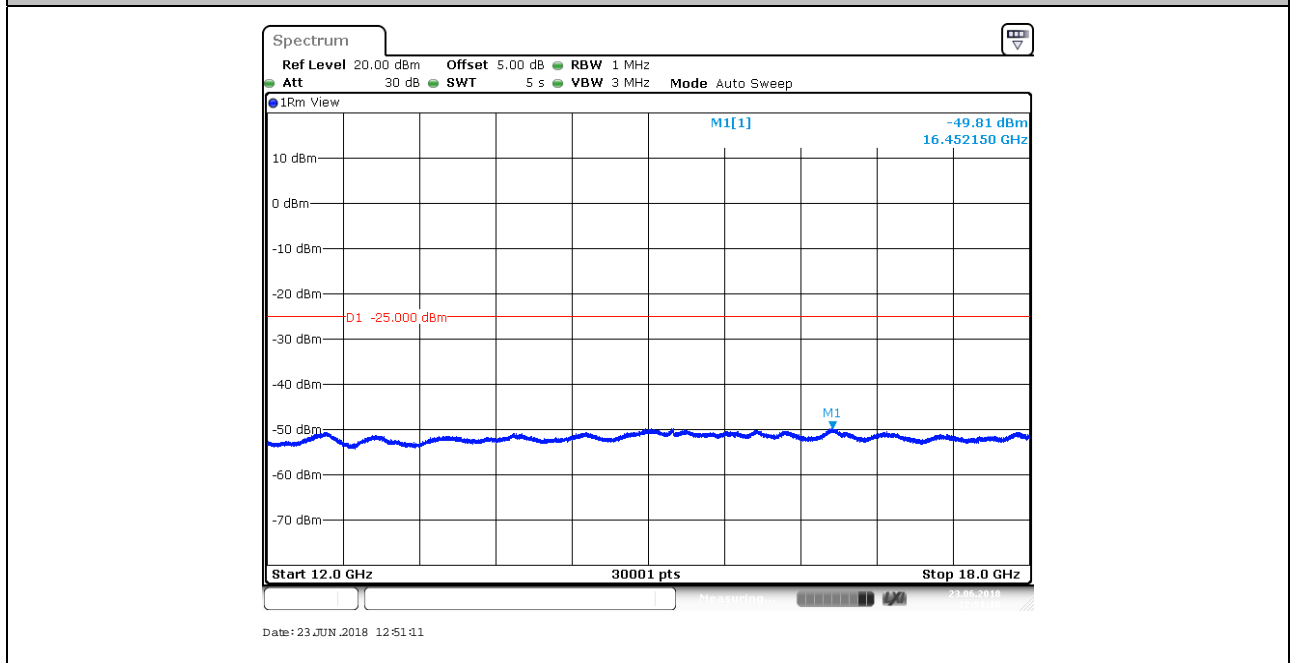
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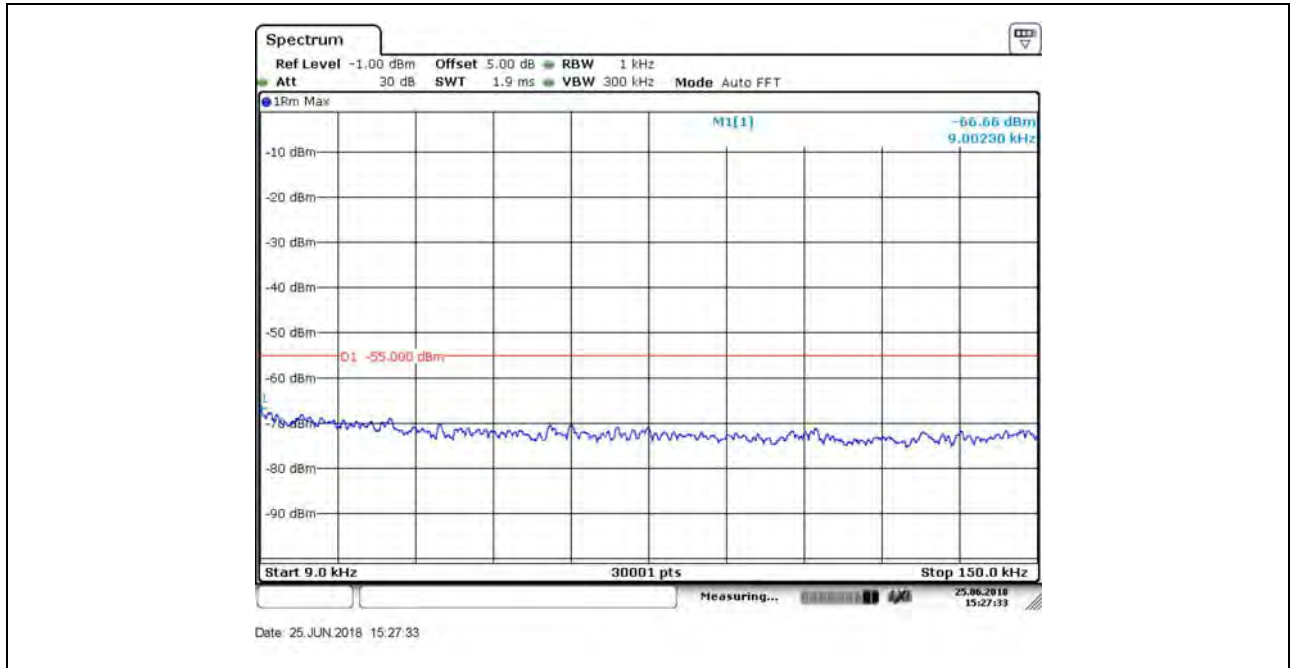
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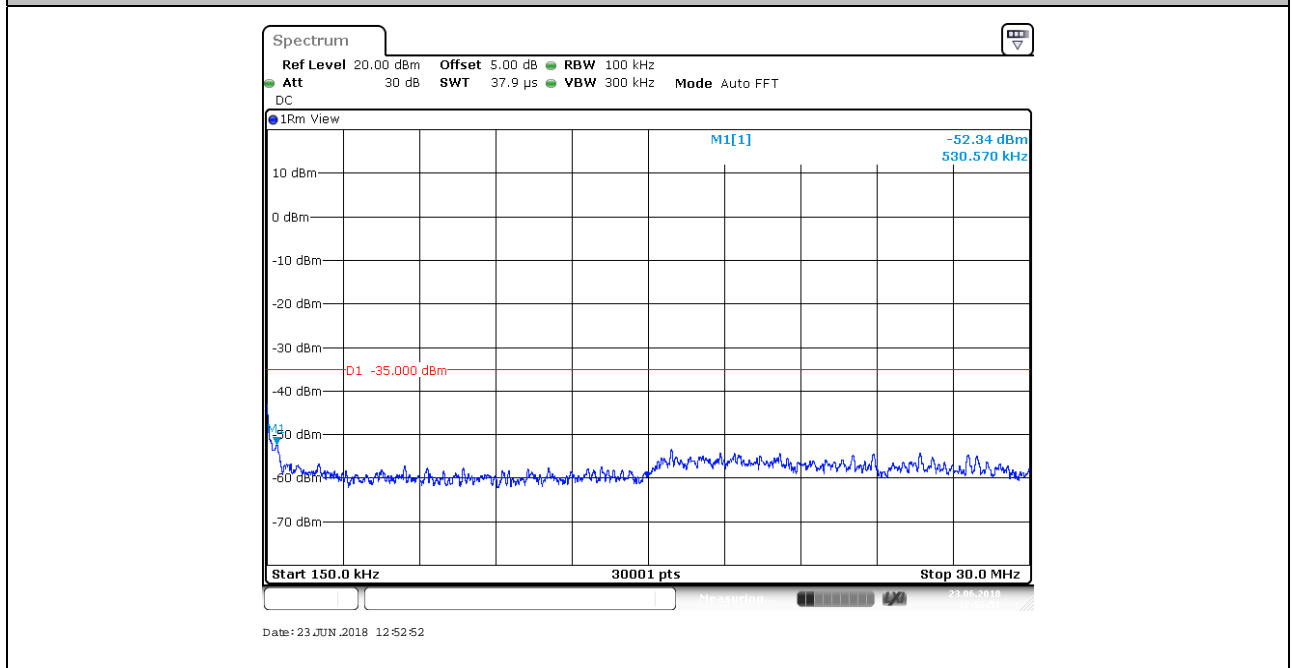
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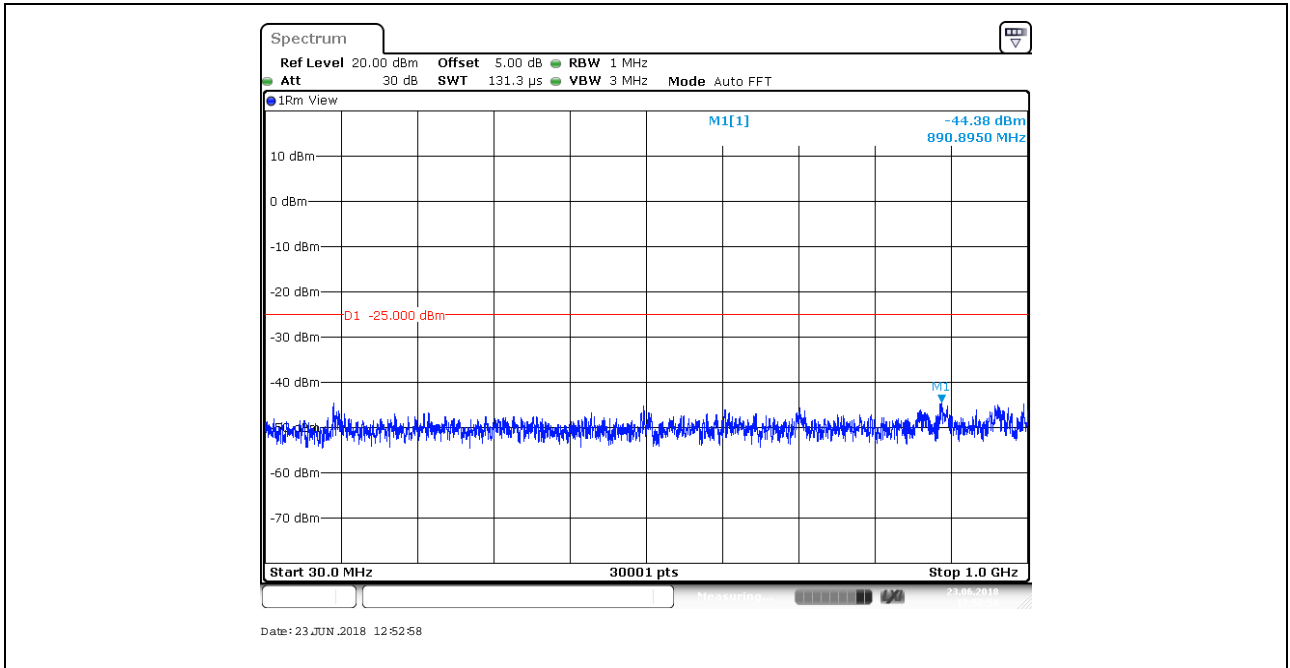
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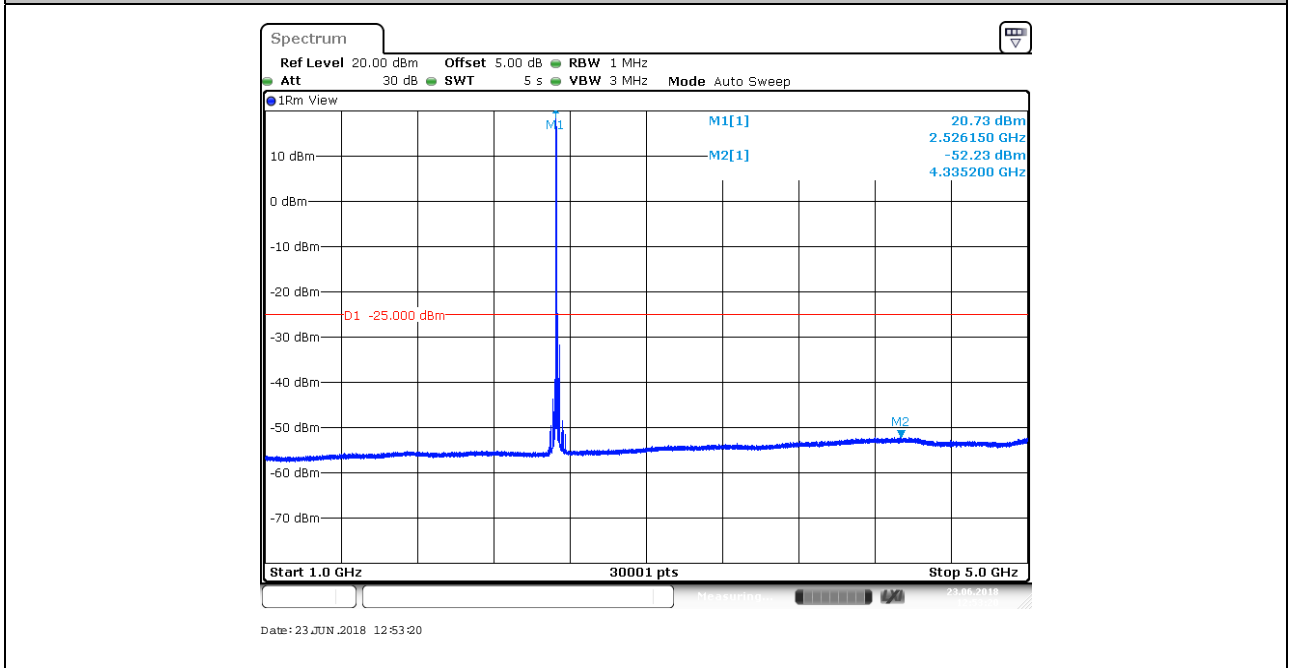
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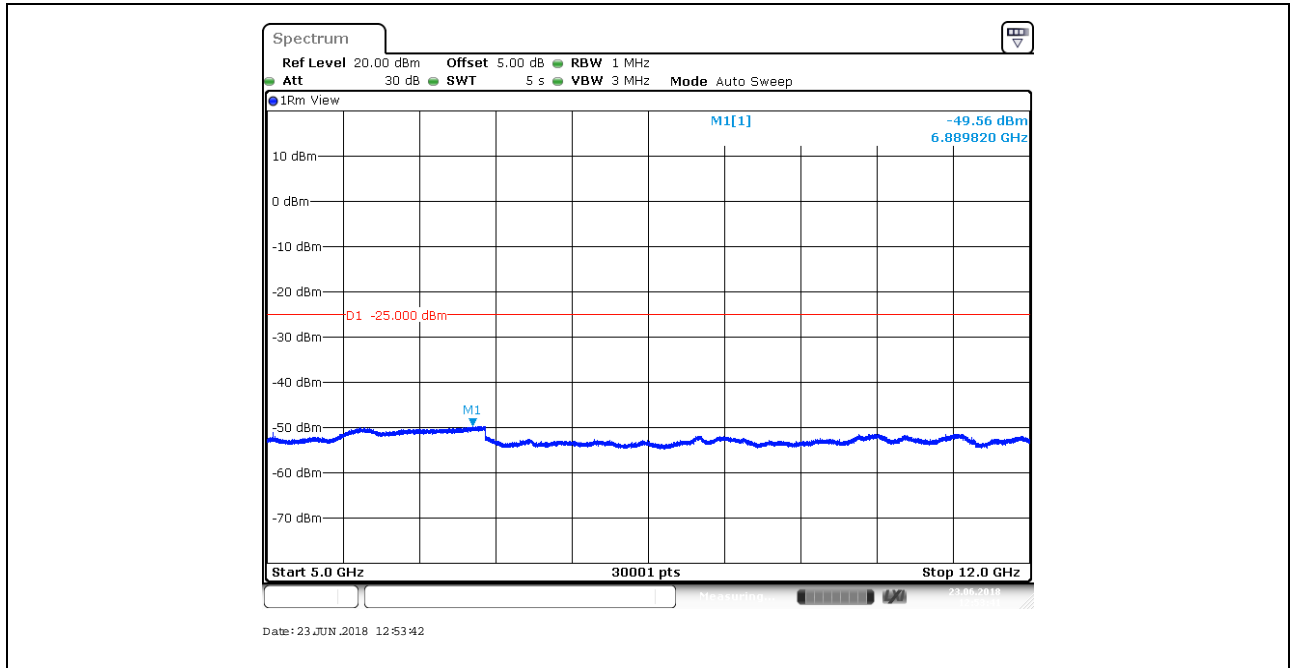
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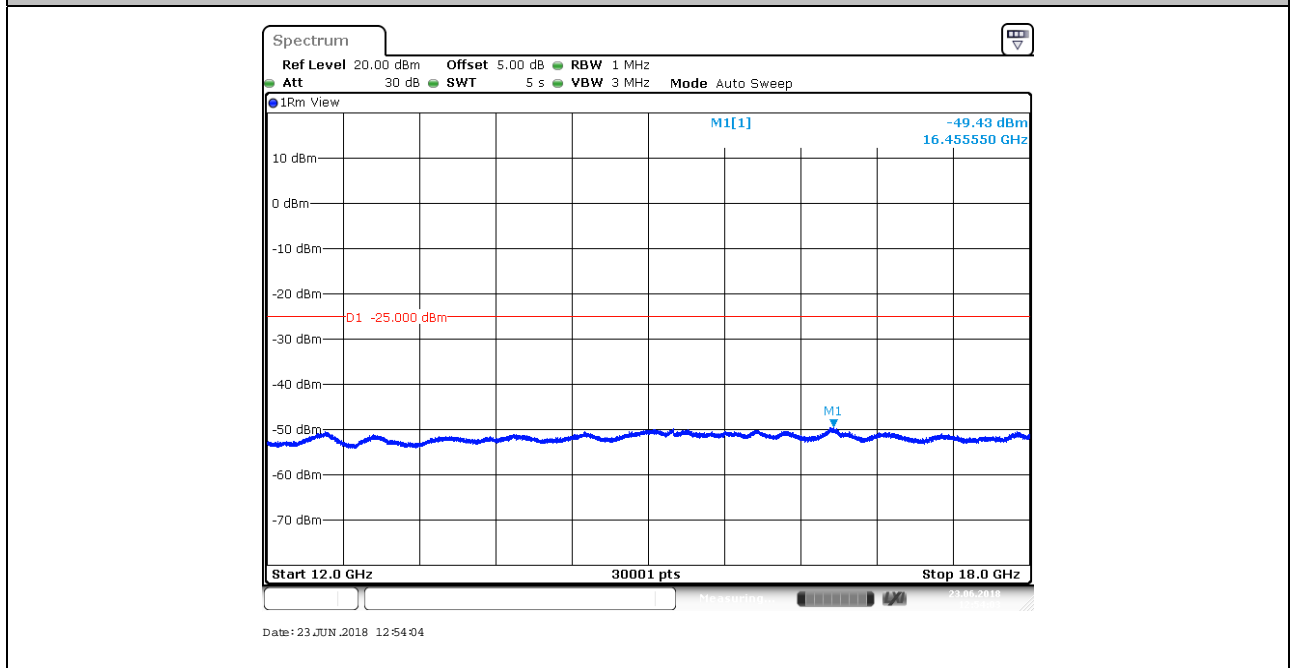
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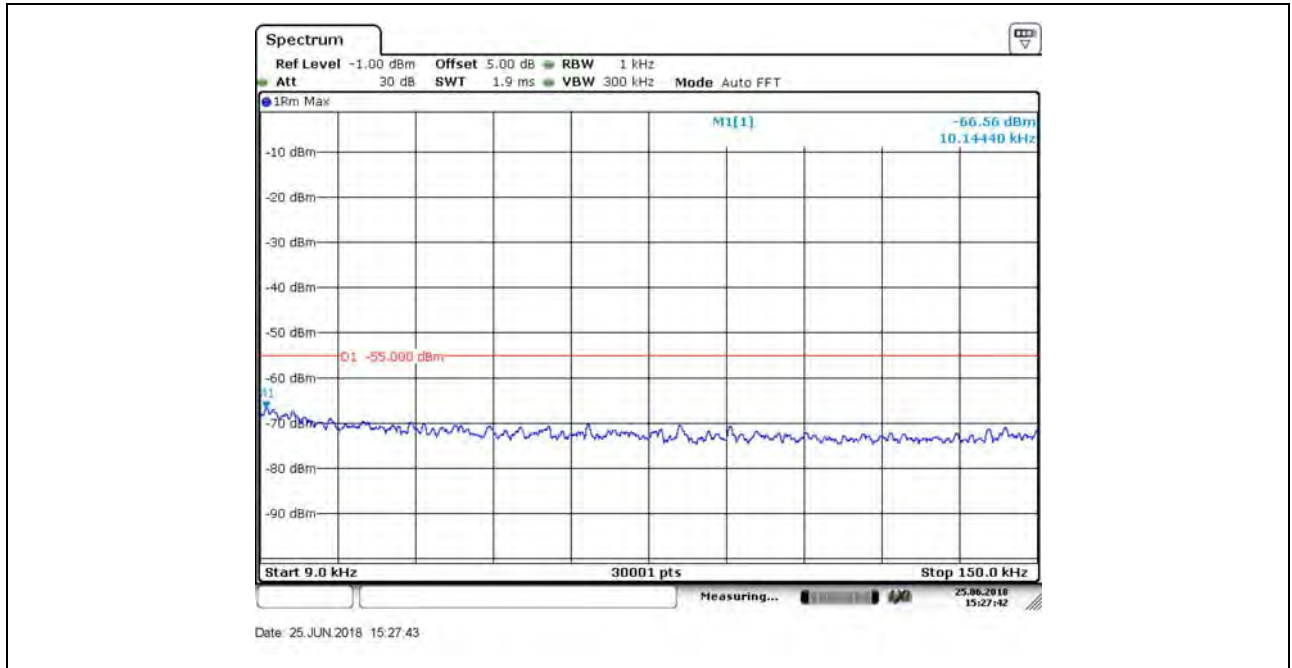
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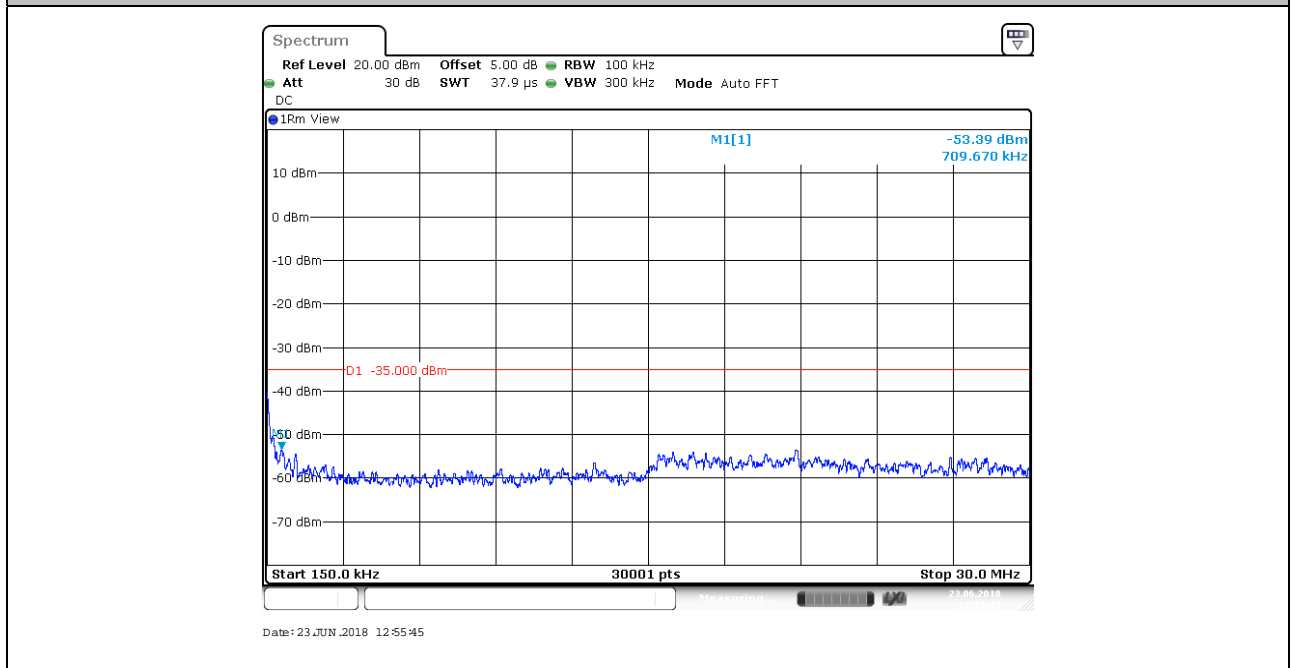
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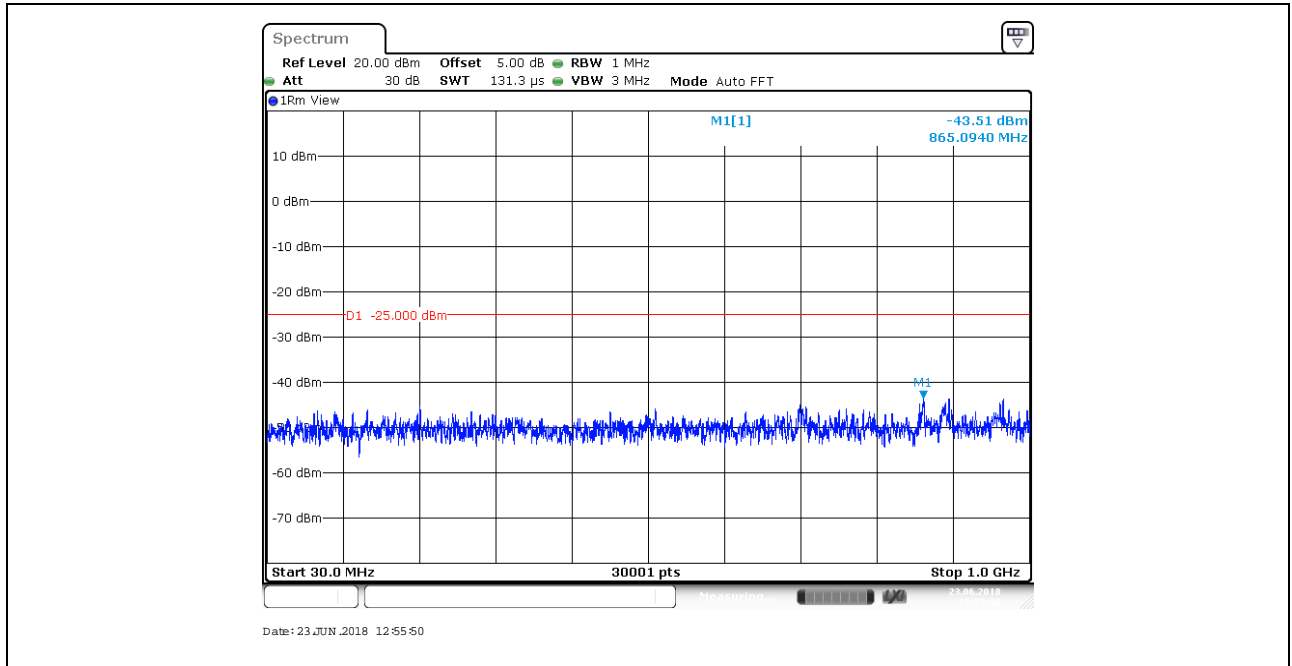
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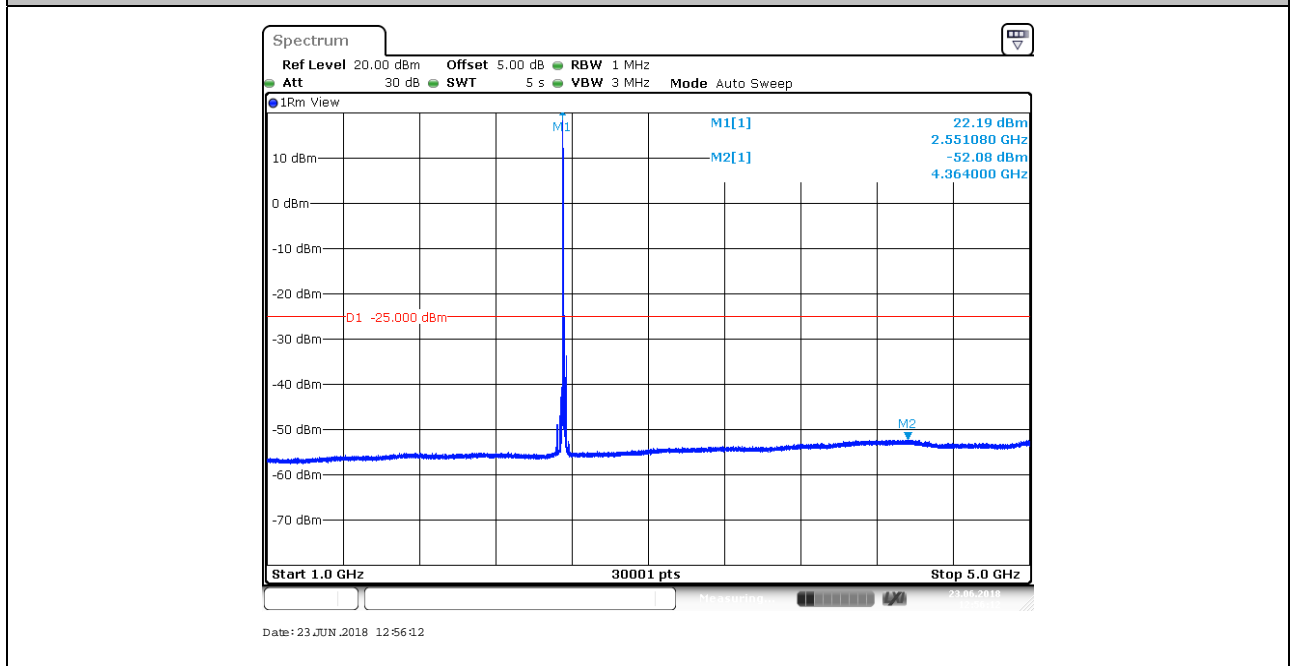
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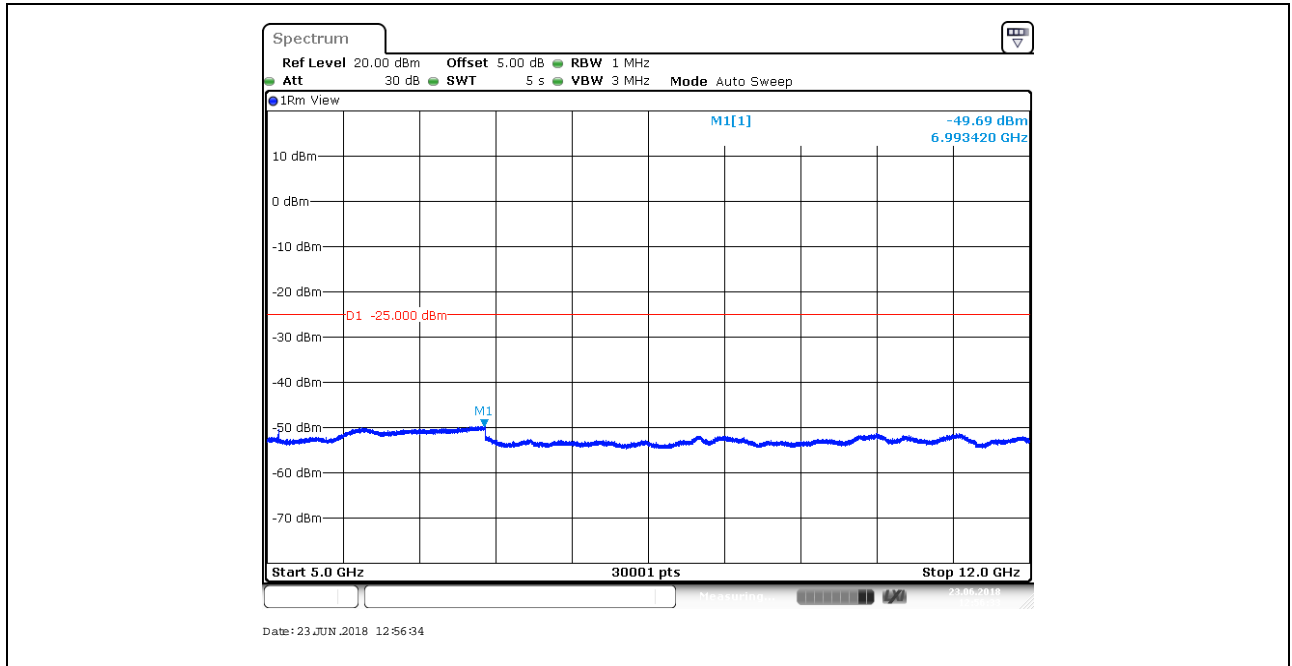
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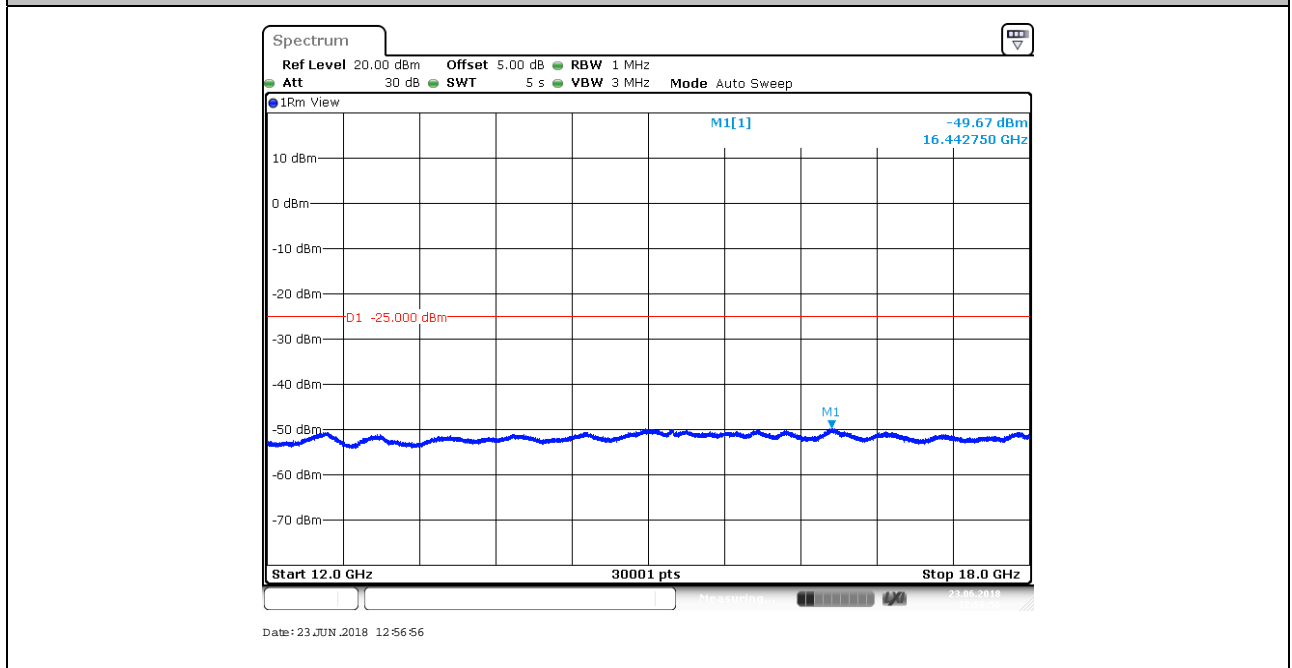
BAND 7\_20MHz\_16QAM\_21350\_1RB#0



BAND 7\_20MHz\_16QAM\_21350\_1RB#0



BAND 7\_20MHz\_16QAM\_21350\_1RB#0







## 7. Field Strength of Spurious Radiation

### 7.1. Test BAND = LTE BAND 7

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

##### 7.1.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
71.950000	-71.64	-25.00	46.64	Vertical
183.600000	-77.84	-25.00	52.84	Vertical
584.062500	-73.39	-25.00	48.39	Vertical
5002.000000	-65.83	-25.00	40.83	Vertical
7503.200000	-59.11	-25.00	34.11	Vertical
10004.075000	-63.10	-25.00	38.10	Vertical
63.600000	-76.41	-25.00	51.41	Horizontal
180.600000	-71.41	-25.00	46.41	Horizontal
548.358333	-80.19	-25.00	55.19	Horizontal
4997.125000	-66.67	-25.00	41.67	Horizontal
7503.200000	-63.75	-25.00	38.75	Horizontal
10652.775000	-63.98	-25.00	38.98	Horizontal

##### 7.1.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
67.800000	-77.86	-25.00	52.86	Vertical
123.400000	-76.33	-25.00	51.33	Vertical
549.458333	-77.59	-25.00	52.59	Vertical
5136.550000	-66.30	-25.00	41.30	Vertical
7578.275000	-63.96	-25.00	38.96	Vertical
10260.175000	-63.70	-25.00	38.70	Vertical
63.250000	-75.97	-25.00	50.97	Horizontal
164.200000	-78.68	-25.00	53.68	Horizontal
550.970833	-78.68	-25.00	53.68	Horizontal
5052.375000	-65.92	-25.00	40.92	Horizontal
7578.600000	-64.49	-25.00	39.49	Horizontal
10356.700000	-63.88	-25.00	38.88	Horizontal



### 7.1.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
72.100000	-72.80	-25.00	47.80	Vertical
128.550000	-77.07	-25.00	52.07	Vertical
546.708333	-81.40	-25.00	56.40	Vertical
5002.000000	-64.66	-25.00	39.66	Vertical
7503.200000	-56.33	-25.00	31.33	Vertical
10004.400000	-61.49	-25.00	36.49	Vertical
63.950000	-75.51	-13.00	62.51	Horizontal
163.150000	-78.48	-13.00	65.48	Horizontal
550.329167	-78.35	-13.00	65.35	Horizontal
5002.000000	-65.76	-13.00	52.76	Horizontal
7503.200000	-64.24	-13.00	51.24	Horizontal
10004.400000	-63.19	-13.00	50.19	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. Appendix F: 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 7	20MHz	QPSK	20850	100RB#0	VL	NT	3.30	0.001315	±2.5	PASS
BAND 7	20MHz	QPSK	20850	100RB#0	VN	NT	0.70	0.000279	±2.5	PASS
BAND 7	20MHz	QPSK	20850	100RB#0	VH	NT	-0.10	-0.000040	±2.5	PASS
BAND 7	20MHz	QPSK	21100	100RB#0	VL	NT	-2.10	-0.000828	±2.5	PASS
BAND 7	20MHz	QPSK	21100	100RB#0	VN	NT	-2.90	-0.001144	±2.5	PASS
BAND 7	20MHz	QPSK	21100	100RB#0	VH	NT	-4.30	-0.001696	±2.5	PASS
BAND 7	20MHz	QPSK	21350	100RB#0	VL	NT	2.10	0.000820	±2.5	PASS
BAND 7	20MHz	QPSK	21350	100RB#0	VN	NT	1.20	0.000469	±2.5	PASS
BAND 7	20MHz	QPSK	21350	100RB#0	VH	NT	-0.40	-0.000156	±2.5	PASS
BAND 7	20MHz	64QAM	20850	100RB#0	VL	NT	-4.20	-0.001673	±2.5	PASS
BAND 7	20MHz	64QAM	20850	100RB#0	VN	NT	-7.10	-0.002829	±2.5	PASS
BAND 7	20MHz	64QAM	20850	100RB#0	VH	NT	-2.10	-0.000837	±2.5	PASS
BAND 7	20MHz	64QAM	21100	100RB#0	VL	NT	-7.10	-0.002801	±2.5	PASS
BAND 7	20MHz	64QAM	21100	100RB#0	VN	NT	-24.70	-0.009744	±2.5	PASS
BAND 7	20MHz	64QAM	21100	100RB#0	VH	NT	-27.40	-0.010809	±2.5	PASS
BAND 7	20MHz	64QAM	21350	100RB#0	VL	NT	-18.10	-0.007070	±2.5	PASS
BAND 7	20MHz	64QAM	21350	100RB#0	VN	NT	-12.20	-0.004766	±2.5	PASS
BAND 7	20MHz	64QAM	21350	100RB#0	VH	NT	-15.80	-0.006172	±2.5	PASS
BAND 7	20MHz	16QAM	20850	100RB#0	VL	NT	0.30	0.000120	±2.5	PASS
BAND 7	20MHz	16QAM	20850	100RB#0	VN	NT	3.80	0.001514	±2.5	PASS
BAND 7	20MHz	16QAM	20850	100RB#0	VH	NT	0.70	0.000279	±2.5	PASS
BAND 7	20MHz	16QAM	21100	100RB#0	VL	NT	-4.70	-0.001854	±2.5	PASS
BAND 7	20MHz	16QAM	21100	100RB#0	VN	NT	-3.30	-0.001302	±2.5	PASS
BAND 7	20MHz	16QAM	21100	100RB#0	VH	NT	-1.80	-0.000710	±2.5	PASS
BAND 7	20MHz	16QAM	21350	100RB#0	VL	NT	-0.60	-0.000234	±2.5	PASS
BAND 7	20MHz	16QAM	21350	100RB#0	VN	NT	2.30	0.000898	±2.5	PASS
BAND 7	20MHz	16QAM	21350	100RB#0	VH	NT	2.30	0.000898	±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 7	20MHz	QPSK	20850	100RB#0	NV	-30	2.90	0.001155	±2.5	PASS
BAND 7	20MHz	QPSK	20850	100RB#0	NV	-20	1.40	0.000558	±2.5	PASS
BAND 7	20MHz	QPSK	20850	100RB#0	NV	0	0.70	0.000279	±2.5	PASS
BAND 7	20MHz	QPSK	20850	100RB#0	NV	10	-0.30	-0.000120	±2.5	PASS
BAND 7	20MHz	QPSK	20850	100RB#0	NV	20	1.80	0.000717	±2.5	PASS
BAND 7	20MHz	QPSK	21100	100RB#0	NV	-30	-2.70	-0.001065	±2.5	PASS
BAND 7	20MHz	QPSK	21100	100RB#0	NV	-20	-3.30	-0.001302	±2.5	PASS
BAND 7	20MHz	QPSK	21100	100RB#0	NV	0	-3.60	-0.001420	±2.5	PASS
BAND 7	20MHz	QPSK	21100	100RB#0	NV	10	-1.40	-0.000552	±2.5	PASS



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BAND 7	20MHz	QPSK	21100	100RB#0	NV	20	-4.60	-0.001815	±2.5	PASS
BAND 7	20MHz	QPSK	21350	100RB#0	NV	-30	1.30	0.000508	±2.5	PASS
BAND 7	20MHz	QPSK	21350	100RB#0	NV	-20	2.60	0.001016	±2.5	PASS
BAND 7	20MHz	QPSK	21350	100RB#0	NV	0	0.30	0.000117	±2.5	PASS
BAND 7	20MHz	QPSK	21350	100RB#0	NV	10	0.40	0.000156	±2.5	PASS
BAND 7	20MHz	QPSK	21350	100RB#0	NV	20	2.00	0.000781	±2.5	PASS
BAND 7	20MHz	64QAM	20850	100RB#0	NV	-30	-0.90	-0.000359	±2.5	PASS
BAND 7	20MHz	64QAM	20850	100RB#0	NV	-20	1.20	0.000478	±2.5	PASS
BAND 7	20MHz	64QAM	20850	100RB#0	NV	0	-0.70	-0.000279	±2.5	PASS
BAND 7	20MHz	64QAM	20850	100RB#0	NV	10	-1.80	-0.000717	±2.5	PASS
BAND 7	20MHz	64QAM	20850	100RB#0	NV	20	5.50	0.002191	±2.5	PASS
BAND 7	20MHz	64QAM	21100	100RB#0	NV	-30	-11.90	-0.004694	±2.5	PASS
BAND 7	20MHz	64QAM	21100	100RB#0	NV	-20	-15.50	-0.006114	±2.5	PASS
BAND 7	20MHz	64QAM	21100	100RB#0	NV	0	-8.30	-0.003274	±2.5	PASS
BAND 7	20MHz	64QAM	21100	100RB#0	NV	10	-10.50	-0.004142	±2.5	PASS
BAND 7	20MHz	64QAM	21100	100RB#0	NV	20	-6.00	-0.002367	±2.5	PASS
BAND 7	20MHz	64QAM	21350	100RB#0	NV	-30	-20.70	-0.008086	±2.5	PASS
BAND 7	20MHz	64QAM	21350	100RB#0	NV	-20	-9.10	-0.003555	±2.5	PASS
BAND 7	20MHz	64QAM	21350	100RB#0	NV	0	-10.10	-0.003945	±2.5	PASS
BAND 7	20MHz	64QAM	21350	100RB#0	NV	10	-19.40	-0.007578	±2.5	PASS
BAND 7	20MHz	64QAM	21350	100RB#0	NV	20	-11.40	-0.004453	±2.5	PASS
BAND 7	20MHz	16QAM	20850	100RB#0	NV	-30	3.10	0.001235	±2.5	PASS
BAND 7	20MHz	16QAM	20850	100RB#0	NV	-20	5.00	0.001992	±2.5	PASS
BAND 7	20MHz	16QAM	20850	100RB#0	NV	0	3.40	0.001355	±2.5	PASS
BAND 7	20MHz	16QAM	20850	100RB#0	NV	10	4.50	0.001793	±2.5	PASS
BAND 7	20MHz	16QAM	20850	100RB#0	NV	20	1.70	0.000677	±2.5	PASS
BAND 7	20MHz	16QAM	21100	100RB#0	NV	-30	-3.20	-0.001262	±2.5	PASS
BAND 7	20MHz	16QAM	21100	100RB#0	NV	-20	-5.00	-0.001972	±2.5	PASS
BAND 7	20MHz	16QAM	21100	100RB#0	NV	0	-1.60	-0.000631	±2.5	PASS
BAND 7	20MHz	16QAM	21100	100RB#0	NV	10	-1.50	-0.000592	±2.5	PASS
BAND 7	20MHz	16QAM	21100	100RB#0	NV	20	-1.60	-0.000631	±2.5	PASS
BAND 7	20MHz	16QAM	21350	100RB#0	NV	-30	2.80	0.001094	±2.5	PASS
BAND 7	20MHz	16QAM	21350	100RB#0	NV	-20	-0.40	-0.000156	±2.5	PASS
BAND 7	20MHz	16QAM	21350	100RB#0	NV	0	2.70	0.001055	±2.5	PASS
BAND 7	20MHz	16QAM	21350	100RB#0	NV	10	-0.80	-0.000313	±2.5	PASS
BAND 7	20MHz	16QAM	21350	100RB#0	NV	20	0.50	0.000195	±2.5	PASS

The End