



Appendix B

E-UTRA BAND 4



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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
BAND4	1.4MHz	QPSK	19957	1RB#0	23.92	24.13	30.00	PASS
BAND4	1.4MHz	QPSK	19957	1RB#2	23.60	23.81	30.00	PASS
BAND4	1.4MHz	QPSK	19957	1RB#5	24.00	24.21	30.00	PASS
BAND4	1.4MHz	QPSK	19957	3RB#0	23.89	24.1	30.00	PASS
BAND4	1.4MHz	QPSK	19957	3RB#1	23.65	23.86	30.00	PASS
BAND4	1.4MHz	QPSK	19957	3RB#3	23.90	24.11	30.00	PASS
BAND4	1.4MHz	QPSK	19957	6RB#0	22.36	22.57	30.00	PASS
BAND4	1.4MHz	QPSK	20175	1RB#0	23.81	24.02	30.00	PASS
BAND4	1.4MHz	QPSK	20175	1RB#2	23.73	23.94	30.00	PASS
BAND4	1.4MHz	QPSK	20175	1RB#5	23.88	24.09	30.00	PASS
BAND4	1.4MHz	QPSK	20175	3RB#0	23.83	24.04	30.00	PASS
BAND4	1.4MHz	QPSK	20175	3RB#1	23.64	23.85	30.00	PASS
BAND4	1.4MHz	QPSK	20175	3RB#3	23.85	24.06	30.00	PASS
BAND4	1.4MHz	QPSK	20175	6RB#0	22.34	22.55	30.00	PASS
BAND4	1.4MHz	QPSK	20393	1RB#0	23.86	24.07	30.00	PASS
BAND4	1.4MHz	QPSK	20393	1RB#2	23.73	23.94	30.00	PASS
BAND4	1.4MHz	QPSK	20393	1RB#5	23.94	24.15	30.00	PASS
BAND4	1.4MHz	QPSK	20393	3RB#0	23.87	24.08	30.00	PASS
BAND4	1.4MHz	QPSK	20393	3RB#1	23.78	23.99	30.00	PASS
BAND4	1.4MHz	QPSK	20393	3RB#3	23.82	24.03	30.00	PASS
BAND4	1.4MHz	QPSK	20393	6RB#0	22.35	22.56	30.00	PASS
BAND4	1.4MHz	64QAM	19957	1RB#0	22.99	23.2	30.00	PASS
BAND4	1.4MHz	64QAM	19957	1RB#2	22.71	22.92	30.00	PASS
BAND4	1.4MHz	64QAM	19957	1RB#5	23.01	23.22	30.00	PASS
BAND4	1.4MHz	64QAM	19957	3RB#0	22.87	23.08	30.00	PASS
BAND4	1.4MHz	64QAM	19957	3RB#1	22.71	22.92	30.00	PASS
BAND4	1.4MHz	64QAM	19957	3RB#3	22.87	23.08	30.00	PASS
BAND4	1.4MHz	64QAM	19957	6RB#0	21.85	22.06	30.00	PASS
BAND4	1.4MHz	64QAM	20175	1RB#0	21.99	22.2	30.00	PASS
BAND4	1.4MHz	64QAM	20175	1RB#2	21.66	21.87	30.00	PASS
BAND4	1.4MHz	64QAM	20175	1RB#5	22.08	22.29	30.00	PASS
BAND4	1.4MHz	64QAM	20175	3RB#0	21.68	21.89	30.00	PASS
BAND4	1.4MHz	64QAM	20175	3RB#1	21.59	21.8	30.00	PASS
BAND4	1.4MHz	64QAM	20175	3RB#3	21.92	22.13	30.00	PASS



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BAND4	1.4MHz	64QAM	20175	6RB#0	20.89	21.1	30.00	PASS
BAND4	1.4MHz	64QAM	20393	1RB#0	22.09	22.3	30.00	PASS
BAND4	1.4MHz	64QAM	20393	1RB#2	21.76	21.97	30.00	PASS
BAND4	1.4MHz	64QAM	20393	1RB#5	22.11	22.32	30.00	PASS
BAND4	1.4MHz	64QAM	20393	3RB#0	21.92	22.13	30.00	PASS
BAND4	1.4MHz	64QAM	20393	3RB#1	21.82	22.03	30.00	PASS
BAND4	1.4MHz	64QAM	20393	3RB#3	21.92	22.13	30.00	PASS
BAND4	1.4MHz	64QAM	20393	6RB#0	20.90	21.11	30.00	PASS
BAND4	1.4MHz	16QAM	19957	1RB#0	23.04	23.25	30.00	PASS
BAND4	1.4MHz	16QAM	19957	1RB#2	22.65	22.86	30.00	PASS
BAND4	1.4MHz	16QAM	19957	1RB#5	23.23	23.44	30.00	PASS
BAND4	1.4MHz	16QAM	19957	3RB#0	22.87	23.08	30.00	PASS
BAND4	1.4MHz	16QAM	19957	3RB#1	22.72	22.93	30.00	PASS
BAND4	1.4MHz	16QAM	19957	3RB#3	22.86	23.07	30.00	PASS
BAND4	1.4MHz	16QAM	19957	6RB#0	21.87	22.08	30.00	PASS
BAND4	1.4MHz	16QAM	20175	1RB#0	22.90	23.11	30.00	PASS
BAND4	1.4MHz	16QAM	20175	1RB#2	22.57	22.78	30.00	PASS
BAND4	1.4MHz	16QAM	20175	1RB#5	23.10	23.31	30.00	PASS
BAND4	1.4MHz	16QAM	20175	3RB#0	22.92	23.13	30.00	PASS
BAND4	1.4MHz	16QAM	20175	3RB#1	22.69	22.9	30.00	PASS
BAND4	1.4MHz	16QAM	20175	3RB#3	22.81	23.02	30.00	PASS
BAND4	1.4MHz	16QAM	20175	6RB#0	21.81	22.02	30.00	PASS
BAND4	1.4MHz	16QAM	20393	1RB#0	23.02	23.23	30.00	PASS
BAND4	1.4MHz	16QAM	20393	1RB#2	22.81	23.02	30.00	PASS
BAND4	1.4MHz	16QAM	20393	1RB#5	23.08	23.29	30.00	PASS
BAND4	1.4MHz	16QAM	20393	3RB#0	22.84	23.05	30.00	PASS
BAND4	1.4MHz	16QAM	20393	3RB#1	22.76	22.97	30.00	PASS
BAND4	1.4MHz	16QAM	20393	3RB#3	22.86	23.07	30.00	PASS
BAND4	1.4MHz	16QAM	20393	6RB#0	21.82	22.03	30.00	PASS
BAND4	3MHz	QPSK	19965	1RB#0	24.02	24.23	30.00	PASS
BAND4	3MHz	QPSK	19965	1RB#8	24.01	24.22	30.00	PASS
BAND4	3MHz	QPSK	19965	1RB#14	23.89	24.1	30.00	PASS
BAND4	3MHz	QPSK	19965	8RB#0	22.32	22.53	30.00	PASS
BAND4	3MHz	QPSK	19965	8RB#4	22.37	22.58	30.00	PASS
BAND4	3MHz	QPSK	19965	8RB#7	22.37	22.58	30.00	PASS
BAND4	3MHz	QPSK	19965	15RB#0	22.35	22.56	30.00	PASS
BAND4	3MHz	QPSK	20175	1RB#0	23.79	24	30.00	PASS
BAND4	3MHz	QPSK	20175	1RB#8	23.85	24.06	30.00	PASS
BAND4	3MHz	QPSK	20175	1RB#14	23.91	24.12	30.00	PASS
BAND4	3MHz	QPSK	20175	8RB#0	22.34	22.55	30.00	PASS
BAND4	3MHz	QPSK	20175	8RB#4	22.43	22.64	30.00	PASS

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BAND4	3MHz	QPSK	20175	8RB#7	22.41	22.62	30.00	PASS
BAND4	3MHz	QPSK	20175	15RB#0	22.40	22.61	30.00	PASS
BAND4	3MHz	QPSK	20385	1RB#0	23.84	24.05	30.00	PASS
BAND4	3MHz	QPSK	20385	1RB#8	23.88	24.09	30.00	PASS
BAND4	3MHz	QPSK	20385	1RB#14	24.03	24.24	30.00	PASS
BAND4	3MHz	QPSK	20385	8RB#0	22.31	22.52	30.00	PASS
BAND4	3MHz	QPSK	20385	8RB#4	22.39	22.6	30.00	PASS
BAND4	3MHz	QPSK	20385	8RB#7	22.37	22.58	30.00	PASS
BAND4	3MHz	QPSK	20385	15RB#0	22.40	22.61	30.00	PASS
BAND4	3MHz	64QAM	19965	1RB#0	22.92	23.13	30.00	PASS
BAND4	3MHz	64QAM	19965	1RB#8	22.97	23.18	30.00	PASS
BAND4	3MHz	64QAM	19965	1RB#14	23.03	23.24	30.00	PASS
BAND4	3MHz	64QAM	19965	8RB#0	21.80	22.01	30.00	PASS
BAND4	3MHz	64QAM	19965	8RB#4	21.86	22.07	30.00	PASS
BAND4	3MHz	64QAM	19965	8RB#7	21.81	22.02	30.00	PASS
BAND4	3MHz	64QAM	19965	15RB#0	21.84	22.05	30.00	PASS
BAND4	3MHz	64QAM	20175	1RB#0	21.89	22.1	30.00	PASS
BAND4	3MHz	64QAM	20175	1RB#8	22.08	22.29	30.00	PASS
BAND4	3MHz	64QAM	20175	1RB#14	22.15	22.36	30.00	PASS
BAND4	3MHz	64QAM	20175	8RB#0	20.66	20.87	30.00	PASS
BAND4	3MHz	64QAM	20175	8RB#4	20.76	20.97	30.00	PASS
BAND4	3MHz	64QAM	20175	8RB#7	20.72	20.93	30.00	PASS
BAND4	3MHz	64QAM	20175	15RB#0	20.86	21.07	30.00	PASS
BAND4	3MHz	64QAM	20385	1RB#0	22.02	22.23	30.00	PASS
BAND4	3MHz	64QAM	20385	1RB#8	22.06	22.27	30.00	PASS
BAND4	3MHz	64QAM	20385	1RB#14	22.26	22.47	30.00	PASS
BAND4	3MHz	64QAM	20385	8RB#0	20.83	21.04	30.00	PASS
BAND4	3MHz	64QAM	20385	8RB#4	20.86	21.07	30.00	PASS
BAND4	3MHz	64QAM	20385	8RB#7	20.87	21.08	30.00	PASS
BAND4	3MHz	64QAM	20385	15RB#0	20.89	21.1	30.00	PASS
BAND4	3MHz	16QAM	19965	1RB#0	23.21	23.42	30.00	PASS
BAND4	3MHz	16QAM	19965	1RB#8	23.16	23.37	30.00	PASS
BAND4	3MHz	16QAM	19965	1RB#14	23.06	23.27	30.00	PASS
BAND4	3MHz	16QAM	19965	8RB#0	21.84	22.05	30.00	PASS
BAND4	3MHz	16QAM	19965	8RB#4	21.86	22.07	30.00	PASS
BAND4	3MHz	16QAM	19965	8RB#7	21.85	22.06	30.00	PASS
BAND4	3MHz	16QAM	19965	15RB#0	21.82	22.03	30.00	PASS
BAND4	3MHz	16QAM	20175	1RB#0	22.94	23.15	30.00	PASS
BAND4	3MHz	16QAM	20175	1RB#8	22.96	23.17	30.00	PASS
BAND4	3MHz	16QAM	20175	1RB#14	23.10	23.31	30.00	PASS
BAND4	3MHz	16QAM	20175	8RB#0	21.80	22.01	30.00	PASS

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BAND4	3MHz	16QAM	20175	8RB#4	21.87	22.08	30.00	PASS
BAND4	3MHz	16QAM	20175	8RB#7	21.88	22.09	30.00	PASS
BAND4	3MHz	16QAM	20175	15RB#0	21.86	22.07	30.00	PASS
BAND4	3MHz	16QAM	20385	1RB#0	22.93	23.14	30.00	PASS
BAND4	3MHz	16QAM	20385	1RB#8	23.09	23.3	30.00	PASS
BAND4	3MHz	16QAM	20385	1RB#14	23.13	23.34	30.00	PASS
BAND4	3MHz	16QAM	20385	8RB#0	21.81	22.02	30.00	PASS
BAND4	3MHz	16QAM	20385	8RB#4	21.85	22.06	30.00	PASS
BAND4	3MHz	16QAM	20385	8RB#7	21.84	22.05	30.00	PASS
BAND4	3MHz	16QAM	20385	15RB#0	21.85	22.06	30.00	PASS
BAND4	5MHz	QPSK	19975	1RB#0	23.86	24.07	30.00	PASS
BAND4	5MHz	QPSK	19975	1RB#12	23.32	23.53	30.00	PASS
BAND4	5MHz	QPSK	19975	1RB#24	23.85	24.06	30.00	PASS
BAND4	5MHz	QPSK	19975	12RB#0	22.59	22.8	30.00	PASS
BAND4	5MHz	QPSK	19975	12RB#6	22.29	22.5	30.00	PASS
BAND4	5MHz	QPSK	19975	12RB#13	22.34	22.55	30.00	PASS
BAND4	5MHz	QPSK	19975	25RB#0	22.31	22.52	30.00	PASS
BAND4	5MHz	QPSK	20175	1RB#0	23.87	24.08	30.00	PASS
BAND4	5MHz	QPSK	20175	1RB#12	23.30	23.51	30.00	PASS
BAND4	5MHz	QPSK	20175	1RB#24	23.95	24.16	30.00	PASS
BAND4	5MHz	QPSK	20175	12RB#0	22.38	22.59	30.00	PASS
BAND4	5MHz	QPSK	20175	12RB#6	22.42	22.63	30.00	PASS
BAND4	5MHz	QPSK	20175	12RB#13	22.50	22.71	30.00	PASS
BAND4	5MHz	QPSK	20175	25RB#0	22.39	22.6	30.00	PASS
BAND4	5MHz	QPSK	20375	1RB#0	23.86	24.07	30.00	PASS
BAND4	5MHz	QPSK	20375	1RB#12	23.30	23.51	30.00	PASS
BAND4	5MHz	QPSK	20375	1RB#24	23.86	24.07	30.00	PASS
BAND4	5MHz	QPSK	20375	12RB#0	22.42	22.63	30.00	PASS
BAND4	5MHz	QPSK	20375	12RB#6	22.39	22.6	30.00	PASS
BAND4	5MHz	QPSK	20375	12RB#13	22.41	22.62	30.00	PASS
BAND4	5MHz	QPSK	20375	25RB#0	22.39	22.6	30.00	PASS
BAND4	5MHz	64QAM	19975	1RB#0	22.94	23.15	30.00	PASS
BAND4	5MHz	64QAM	19975	1RB#12	22.42	22.63	30.00	PASS
BAND4	5MHz	64QAM	19975	1RB#24	22.92	23.13	30.00	PASS
BAND4	5MHz	64QAM	19975	12RB#0	21.82	22.03	30.00	PASS
BAND4	5MHz	64QAM	19975	12RB#6	21.71	21.92	30.00	PASS
BAND4	5MHz	64QAM	19975	12RB#13	21.81	22.02	30.00	PASS
BAND4	5MHz	64QAM	19975	25RB#0	21.75	21.96	30.00	PASS
BAND4	5MHz	64QAM	20175	1RB#0	21.97	22.18	30.00	PASS
BAND4	5MHz	64QAM	20175	1RB#12	21.45	21.66	30.00	PASS
BAND4	5MHz	64QAM	20175	1RB#24	22.14	22.35	30.00	PASS

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BAND4	5MHz	64QAM	20175	12RB#0	20.91	21.12	30.00	PASS
BAND4	5MHz	64QAM	20175	12RB#6	20.91	21.12	30.00	PASS
BAND4	5MHz	64QAM	20175	12RB#13	20.96	21.17	30.00	PASS
BAND4	5MHz	64QAM	20175	25RB#0	20.85	21.06	30.00	PASS
BAND4	5MHz	64QAM	20375	1RB#0	21.95	22.16	30.00	PASS
BAND4	5MHz	64QAM	20375	1RB#12	21.65	21.86	30.00	PASS
BAND4	5MHz	64QAM	20375	1RB#24	22.27	22.48	30.00	PASS
BAND4	5MHz	64QAM	20375	12RB#0	20.90	21.11	30.00	PASS
BAND4	5MHz	64QAM	20375	12RB#6	20.88	21.09	30.00	PASS
BAND4	5MHz	64QAM	20375	12RB#13	20.91	21.12	30.00	PASS
BAND4	5MHz	64QAM	20375	25RB#0	20.86	21.07	30.00	PASS
BAND4	5MHz	16QAM	19975	1RB#0	23.06	23.27	30.00	PASS
BAND4	5MHz	16QAM	19975	1RB#12	22.34	22.55	30.00	PASS
BAND4	5MHz	16QAM	19975	1RB#24	22.98	23.19	30.00	PASS
BAND4	5MHz	16QAM	19975	12RB#0	22.09	22.3	30.00	PASS
BAND4	5MHz	16QAM	19975	12RB#6	21.70	21.91	30.00	PASS
BAND4	5MHz	16QAM	19975	12RB#13	21.81	22.02	30.00	PASS
BAND4	5MHz	16QAM	19975	25RB#0	21.74	21.95	30.00	PASS
BAND4	5MHz	16QAM	20175	1RB#0	22.91	23.12	30.00	PASS
BAND4	5MHz	16QAM	20175	1RB#12	22.37	22.58	30.00	PASS
BAND4	5MHz	16QAM	20175	1RB#24	23.00	23.21	30.00	PASS
BAND4	5MHz	16QAM	20175	12RB#0	21.90	22.11	30.00	PASS
BAND4	5MHz	16QAM	20175	12RB#6	21.83	22.04	30.00	PASS
BAND4	5MHz	16QAM	20175	12RB#13	21.94	22.15	30.00	PASS
BAND4	5MHz	16QAM	20175	25RB#0	21.84	22.05	30.00	PASS
BAND4	5MHz	16QAM	20375	1RB#0	23.09	23.3	30.00	PASS
BAND4	5MHz	16QAM	20375	1RB#12	22.48	22.69	30.00	PASS
BAND4	5MHz	16QAM	20375	1RB#24	23.16	23.37	30.00	PASS
BAND4	5MHz	16QAM	20375	12RB#0	21.84	22.05	30.00	PASS
BAND4	5MHz	16QAM	20375	12RB#6	21.85	22.06	30.00	PASS
BAND4	5MHz	16QAM	20375	12RB#13	21.90	22.11	30.00	PASS
BAND4	5MHz	16QAM	20375	25RB#0	21.82	22.03	30.00	PASS
BAND4	10MHz	QPSK	20000	1RB#0	23.96	24.17	30.00	PASS
BAND4	10MHz	QPSK	20000	1RB#24	23.73	23.94	30.00	PASS
BAND4	10MHz	QPSK	20000	1RB#49	23.90	24.11	30.00	PASS
BAND4	10MHz	QPSK	20000	25RB#0	22.64	22.85	30.00	PASS
BAND4	10MHz	QPSK	20000	25RB#12	22.50	22.71	30.00	PASS
BAND4	10MHz	QPSK	20000	25RB#25	22.52	22.73	30.00	PASS
BAND4	10MHz	QPSK	20000	50RB#0	22.45	22.66	30.00	PASS
BAND4	10MHz	QPSK	20175	1RB#0	23.84	24.05	30.00	PASS
BAND4	10MHz	QPSK	20175	1RB#24	23.80	24.01	30.00	PASS

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BAND4	10MHz	QPSK	20175	1RB#49	23.99	24.2	30.00	PASS
BAND4	10MHz	QPSK	20175	25RB#0	22.36	22.57	30.00	PASS
BAND4	10MHz	QPSK	20175	25RB#12	22.35	22.56	30.00	PASS
BAND4	10MHz	QPSK	20175	25RB#25	22.49	22.7	30.00	PASS
BAND4	10MHz	QPSK	20175	50RB#0	22.37	22.58	30.00	PASS
BAND4	10MHz	QPSK	20350	1RB#0	23.87	24.08	30.00	PASS
BAND4	10MHz	QPSK	20350	1RB#24	23.76	23.97	30.00	PASS
BAND4	10MHz	QPSK	20350	1RB#49	23.92	24.13	30.00	PASS
BAND4	10MHz	QPSK	20350	25RB#0	22.55	22.76	30.00	PASS
BAND4	10MHz	QPSK	20350	25RB#12	22.51	22.72	30.00	PASS
BAND4	10MHz	QPSK	20350	25RB#25	22.42	22.63	30.00	PASS
BAND4	10MHz	QPSK	20350	50RB#0	22.54	22.75	30.00	PASS
BAND4	10MHz	64QAM	20000	1RB#0	23.03	23.24	30.00	PASS
BAND4	10MHz	64QAM	20000	1RB#24	22.93	23.14	30.00	PASS
BAND4	10MHz	64QAM	20000	1RB#49	22.93	23.14	30.00	PASS
BAND4	10MHz	64QAM	20000	25RB#0	22.00	22.21	30.00	PASS
BAND4	10MHz	64QAM	20000	25RB#12	21.94	22.15	30.00	PASS
BAND4	10MHz	64QAM	20000	25RB#25	21.92	22.13	30.00	PASS
BAND4	10MHz	64QAM	20000	50RB#0	21.90	22.11	30.00	PASS
BAND4	10MHz	64QAM	20175	1RB#0	22.16	22.37	30.00	PASS
BAND4	10MHz	64QAM	20175	1RB#24	21.89	22.1	30.00	PASS
BAND4	10MHz	64QAM	20175	1RB#49	22.07	22.28	30.00	PASS
BAND4	10MHz	64QAM	20175	25RB#0	20.91	21.12	30.00	PASS
BAND4	10MHz	64QAM	20175	25RB#12	20.89	21.1	30.00	PASS
BAND4	10MHz	64QAM	20175	25RB#25	20.96	21.17	30.00	PASS
BAND4	10MHz	64QAM	20175	50RB#0	20.86	21.07	30.00	PASS
BAND4	10MHz	64QAM	20350	1RB#0	22.18	22.39	30.00	PASS
BAND4	10MHz	64QAM	20350	1RB#24	21.89	22.1	30.00	PASS
BAND4	10MHz	64QAM	20350	1RB#49	22.14	22.35	30.00	PASS
BAND4	10MHz	64QAM	20350	25RB#0	20.87	21.08	30.00	PASS
BAND4	10MHz	64QAM	20350	25RB#12	20.97	21.18	30.00	PASS
BAND4	10MHz	64QAM	20350	25RB#25	20.92	21.13	30.00	PASS
BAND4	10MHz	64QAM	20350	50RB#0	21.02	21.23	30.00	PASS
BAND4	10MHz	16QAM	20000	1RB#0	23.07	23.28	30.00	PASS
BAND4	10MHz	16QAM	20000	1RB#24	22.69	22.9	30.00	PASS
BAND4	10MHz	16QAM	20000	1RB#49	23.13	23.34	30.00	PASS
BAND4	10MHz	16QAM	20000	25RB#0	21.99	22.2	30.00	PASS
BAND4	10MHz	16QAM	20000	25RB#12	21.91	22.12	30.00	PASS
BAND4	10MHz	16QAM	20000	25RB#25	21.93	22.14	30.00	PASS
BAND4	10MHz	16QAM	20000	50RB#0	21.92	22.13	30.00	PASS
BAND4	10MHz	16QAM	20175	1RB#0	23.08	23.29	30.00	PASS

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BAND4	10MHz	16QAM	20175	1RB#24	22.77	22.98	30.00	PASS
BAND4	10MHz	16QAM	20175	1RB#49	23.26	23.47	30.00	PASS
BAND4	10MHz	16QAM	20175	25RB#0	21.85	22.06	30.00	PASS
BAND4	10MHz	16QAM	20175	25RB#12	21.83	22.04	30.00	PASS
BAND4	10MHz	16QAM	20175	25RB#25	21.92	22.13	30.00	PASS
BAND4	10MHz	16QAM	20175	50RB#0	21.82	22.03	30.00	PASS
BAND4	10MHz	16QAM	20350	1RB#0	23.04	23.25	30.00	PASS
BAND4	10MHz	16QAM	20350	1RB#24	22.87	23.08	30.00	PASS
BAND4	10MHz	16QAM	20350	1RB#49	23.16	23.37	30.00	PASS
BAND4	10MHz	16QAM	20350	25RB#0	22.00	22.21	30.00	PASS
BAND4	10MHz	16QAM	20350	25RB#12	21.94	22.15	30.00	PASS
BAND4	10MHz	16QAM	20350	25RB#25	21.87	22.08	30.00	PASS
BAND4	10MHz	16QAM	20350	50RB#0	21.97	22.18	30.00	PASS
BAND4	15MHz	QPSK	20025	1RB#0	23.83	24.04	30.00	PASS
BAND4	15MHz	QPSK	20025	1RB#38	23.87	24.08	30.00	PASS
BAND4	15MHz	QPSK	20025	1RB#74	23.82	24.03	30.00	PASS
BAND4	15MHz	QPSK	20025	36RB#0	22.63	22.84	30.00	PASS
BAND4	15MHz	QPSK	20025	36RB#18	22.35	22.56	30.00	PASS
BAND4	15MHz	QPSK	20025	36RB#39	22.37	22.58	30.00	PASS
BAND4	15MHz	QPSK	20025	75RB#0	22.43	22.64	30.00	PASS
BAND4	15MHz	QPSK	20175	1RB#0	23.76	23.97	30.00	PASS
BAND4	15MHz	QPSK	20175	1RB#38	23.84	24.05	30.00	PASS
BAND4	15MHz	QPSK	20175	1RB#74	23.83	24.04	30.00	PASS
BAND4	15MHz	QPSK	20175	36RB#0	22.37	22.58	30.00	PASS
BAND4	15MHz	QPSK	20175	36RB#18	22.33	22.54	30.00	PASS
BAND4	15MHz	QPSK	20175	36RB#39	22.54	22.75	30.00	PASS
BAND4	15MHz	QPSK	20175	75RB#0	22.35	22.56	30.00	PASS
BAND4	15MHz	QPSK	20325	1RB#0	23.68	23.89	30.00	PASS
BAND4	15MHz	QPSK	20325	1RB#38	23.93	24.14	30.00	PASS
BAND4	15MHz	QPSK	20325	1RB#74	24.01	24.22	30.00	PASS
BAND4	15MHz	QPSK	20325	36RB#0	22.55	22.76	30.00	PASS
BAND4	15MHz	QPSK	20325	36RB#18	22.49	22.7	30.00	PASS
BAND4	15MHz	QPSK	20325	36RB#39	22.40	22.61	30.00	PASS
BAND4	15MHz	QPSK	20325	75RB#0	22.52	22.73	30.00	PASS
BAND4	15MHz	64QAM	20025	1RB#0	22.98	23.19	30.00	PASS
BAND4	15MHz	64QAM	20025	1RB#38	22.94	23.15	30.00	PASS
BAND4	15MHz	64QAM	20025	1RB#74	22.94	23.15	30.00	PASS
BAND4	15MHz	64QAM	20025	36RB#0	21.82	22.03	30.00	PASS
BAND4	15MHz	64QAM	20025	36RB#18	21.78	21.99	30.00	PASS
BAND4	15MHz	64QAM	20025	36RB#39	21.79	22	30.00	PASS
BAND4	15MHz	64QAM	20025	75RB#0	21.92	22.13	30.00	PASS

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BAND4	15MHz	64QAM	20175	1RB#0	21.96	22.17	30.00	PASS
BAND4	15MHz	64QAM	20175	1RB#38	22.13	22.34	30.00	PASS
BAND4	15MHz	64QAM	20175	1RB#74	21.95	22.16	30.00	PASS
BAND4	15MHz	64QAM	20175	36RB#0	20.78	20.99	30.00	PASS
BAND4	15MHz	64QAM	20175	36RB#18	20.87	21.08	30.00	PASS
BAND4	15MHz	64QAM	20175	36RB#39	21.00	21.21	30.00	PASS
BAND4	15MHz	64QAM	20175	75RB#0	20.84	21.05	30.00	PASS
BAND4	15MHz	64QAM	20325	1RB#0	22.17	22.38	30.00	PASS
BAND4	15MHz	64QAM	20325	1RB#38	22.08	22.29	30.00	PASS
BAND4	15MHz	64QAM	20325	1RB#74	22.14	22.35	30.00	PASS
BAND4	15MHz	64QAM	20325	36RB#0	21.07	21.28	30.00	PASS
BAND4	15MHz	64QAM	20325	36RB#18	20.98	21.19	30.00	PASS
BAND4	15MHz	64QAM	20325	36RB#39	20.90	21.11	30.00	PASS
BAND4	15MHz	64QAM	20325	75RB#0	21.02	21.23	30.00	PASS
BAND4	15MHz	16QAM	20025	1RB#0	22.94	23.15	30.00	PASS
BAND4	15MHz	16QAM	20025	1RB#38	23.01	23.22	30.00	PASS
BAND4	15MHz	16QAM	20025	1RB#74	23.02	23.23	30.00	PASS
BAND4	15MHz	16QAM	20025	36RB#0	21.84	22.05	30.00	PASS
BAND4	15MHz	16QAM	20025	36RB#18	21.77	21.98	30.00	PASS
BAND4	15MHz	16QAM	20025	36RB#39	21.83	22.04	30.00	PASS
BAND4	15MHz	16QAM	20025	75RB#0	21.92	22.13	30.00	PASS
BAND4	15MHz	16QAM	20175	1RB#0	22.84	23.05	30.00	PASS
BAND4	15MHz	16QAM	20175	1RB#38	23.06	23.27	30.00	PASS
BAND4	15MHz	16QAM	20175	1RB#74	22.96	23.17	30.00	PASS
BAND4	15MHz	16QAM	20175	36RB#0	21.77	21.98	30.00	PASS
BAND4	15MHz	16QAM	20175	36RB#18	21.83	22.04	30.00	PASS
BAND4	15MHz	16QAM	20175	36RB#39	22.00	22.21	30.00	PASS
BAND4	15MHz	16QAM	20175	75RB#0	21.78	21.99	30.00	PASS
BAND4	15MHz	16QAM	20325	1RB#0	23.07	23.28	30.00	PASS
BAND4	15MHz	16QAM	20325	1RB#38	23.03	23.24	30.00	PASS
BAND4	15MHz	16QAM	20325	1RB#74	23.21	23.42	30.00	PASS
BAND4	15MHz	16QAM	20325	36RB#0	22.02	22.23	30.00	PASS
BAND4	15MHz	16QAM	20325	36RB#18	21.95	22.16	30.00	PASS
BAND4	15MHz	16QAM	20325	36RB#39	21.85	22.06	30.00	PASS
BAND4	15MHz	16QAM	20325	75RB#0	21.95	22.16	30.00	PASS
BAND4	20MHz	QPSK	20050	1RB#0	23.71	23.92	30.00	PASS
BAND4	20MHz	QPSK	20050	1RB#49	23.74	23.95	30.00	PASS
BAND4	20MHz	QPSK	20050	1RB#99	24.18	24.39	30.00	PASS
BAND4	20MHz	QPSK	20050	50RB#0	22.58	22.79	30.00	PASS
BAND4	20MHz	QPSK	20050	50RB#25	22.39	22.6	30.00	PASS
BAND4	20MHz	QPSK	20050	50RB#50	22.57	22.78	30.00	PASS

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BAND4	20MHz	QPSK	20050	100RB#0	22.43	22.64	30.00	PASS
BAND4	20MHz	QPSK	20175	1RB#0	23.48	23.69	30.00	PASS
BAND4	20MHz	QPSK	20175	1RB#49	23.81	24.02	30.00	PASS
BAND4	20MHz	QPSK	20175	1RB#99	23.99	24.2	30.00	PASS
BAND4	20MHz	QPSK	20175	50RB#0	22.34	22.55	30.00	PASS
BAND4	20MHz	QPSK	20175	50RB#25	22.31	22.52	30.00	PASS
BAND4	20MHz	QPSK	20175	50RB#50	22.51	22.72	30.00	PASS
BAND4	20MHz	QPSK	20175	100RB#0	22.33	22.54	30.00	PASS
BAND4	20MHz	QPSK	20300	1RB#0	23.46	23.67	30.00	PASS
BAND4	20MHz	QPSK	20300	1RB#49	23.74	23.95	30.00	PASS
BAND4	20MHz	QPSK	20300	1RB#99	23.99	24.2	30.00	PASS
BAND4	20MHz	QPSK	20300	50RB#0	22.58	22.79	30.00	PASS
BAND4	20MHz	QPSK	20300	50RB#25	22.51	22.72	30.00	PASS
BAND4	20MHz	QPSK	20300	50RB#50	22.45	22.66	30.00	PASS
BAND4	20MHz	QPSK	20300	100RB#0	22.42	22.63	30.00	PASS
BAND4	20MHz	64QAM	20050	1RB#0	22.52	22.73	30.00	PASS
BAND4	20MHz	64QAM	20050	1RB#49	22.68	22.89	30.00	PASS
BAND4	20MHz	64QAM	20050	1RB#99	23.22	23.43	30.00	PASS
BAND4	20MHz	64QAM	20050	50RB#0	21.97	22.18	30.00	PASS
BAND4	20MHz	64QAM	20050	50RB#25	21.77	21.98	30.00	PASS
BAND4	20MHz	64QAM	20050	50RB#50	21.98	22.19	30.00	PASS
BAND4	20MHz	64QAM	20050	100RB#0	21.86	22.07	30.00	PASS
BAND4	20MHz	64QAM	20175	1RB#0	21.59	21.8	30.00	PASS
BAND4	20MHz	64QAM	20175	1RB#49	21.82	22.03	30.00	PASS
BAND4	20MHz	64QAM	20175	1RB#99	22.24	22.45	30.00	PASS
BAND4	20MHz	64QAM	20175	50RB#0	20.83	21.04	30.00	PASS
BAND4	20MHz	64QAM	20175	50RB#25	20.79	21	30.00	PASS
BAND4	20MHz	64QAM	20175	50RB#50	21.01	21.22	30.00	PASS
BAND4	20MHz	64QAM	20175	100RB#0	20.83	21.04	30.00	PASS
BAND4	20MHz	64QAM	20300	1RB#0	21.59	21.8	30.00	PASS
BAND4	20MHz	64QAM	20300	1RB#49	21.82	22.03	30.00	PASS
BAND4	20MHz	64QAM	20300	1RB#99	22.37	22.58	30.00	PASS
BAND4	20MHz	64QAM	20300	50RB#0	20.83	21.04	30.00	PASS
BAND4	20MHz	64QAM	20300	50RB#25	20.93	21.14	30.00	PASS
BAND4	20MHz	64QAM	20300	50RB#50	20.93	21.14	30.00	PASS
BAND4	20MHz	64QAM	20300	100RB#0	20.89	21.1	30.00	PASS
BAND4	20MHz	16QAM	20050	1RB#0	22.87	23.08	30.00	PASS
BAND4	20MHz	16QAM	20050	1RB#49	22.73	22.94	30.00	PASS
BAND4	20MHz	16QAM	20050	1RB#99	23.34	23.55	30.00	PASS
BAND4	20MHz	16QAM	20050	50RB#0	22.00	22.21	30.00	PASS
BAND4	20MHz	16QAM	20050	50RB#25	21.79	22	30.00	PASS

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BAND4	20MHz	16QAM	20050	50RB#50	21.97	22.18	30.00	PASS
BAND4	20MHz	16QAM	20050	100RB#0	21.84	22.05	30.00	PASS
BAND4	20MHz	16QAM	20175	1RB#0	22.69	22.9	30.00	PASS
BAND4	20MHz	16QAM	20175	1RB#49	22.75	22.96	30.00	PASS
BAND4	20MHz	16QAM	20175	1RB#99	23.11	23.32	30.00	PASS
BAND4	20MHz	16QAM	20175	50RB#0	21.78	21.99	30.00	PASS
BAND4	20MHz	16QAM	20175	50RB#25	21.77	21.98	30.00	PASS
BAND4	20MHz	16QAM	20175	50RB#50	21.96	22.17	30.00	PASS
BAND4	20MHz	16QAM	20175	100RB#0	21.73	21.94	30.00	PASS
BAND4	20MHz	16QAM	20300	1RB#0	22.61	22.82	30.00	PASS
BAND4	20MHz	16QAM	20300	1RB#49	22.65	22.86	30.00	PASS
BAND4	20MHz	16QAM	20300	1RB#99	23.36	23.57	30.00	PASS
BAND4	20MHz	16QAM	20300	50RB#0	22.05	22.26	30.00	PASS
BAND4	20MHz	16QAM	20300	50RB#25	21.96	22.17	30.00	PASS
BAND4	20MHz	16QAM	20300	50RB#50	21.90	22.11	30.00	PASS
BAND4	20MHz	16QAM	20300	100RB#0	21.85	22.06	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

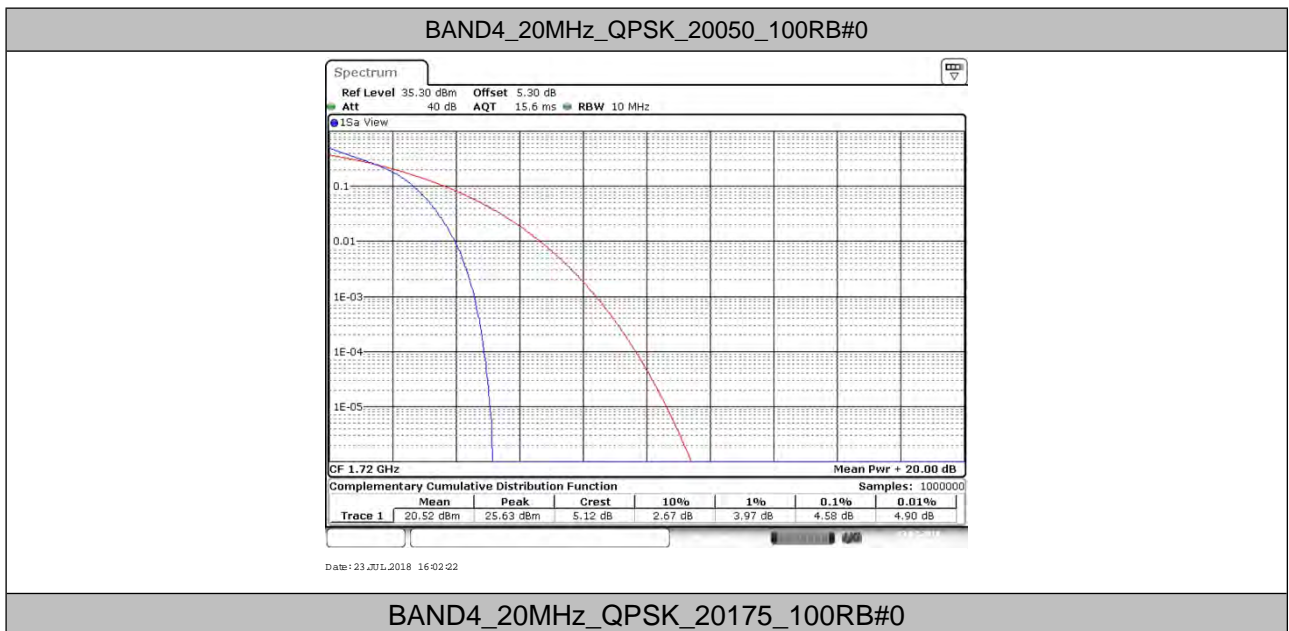


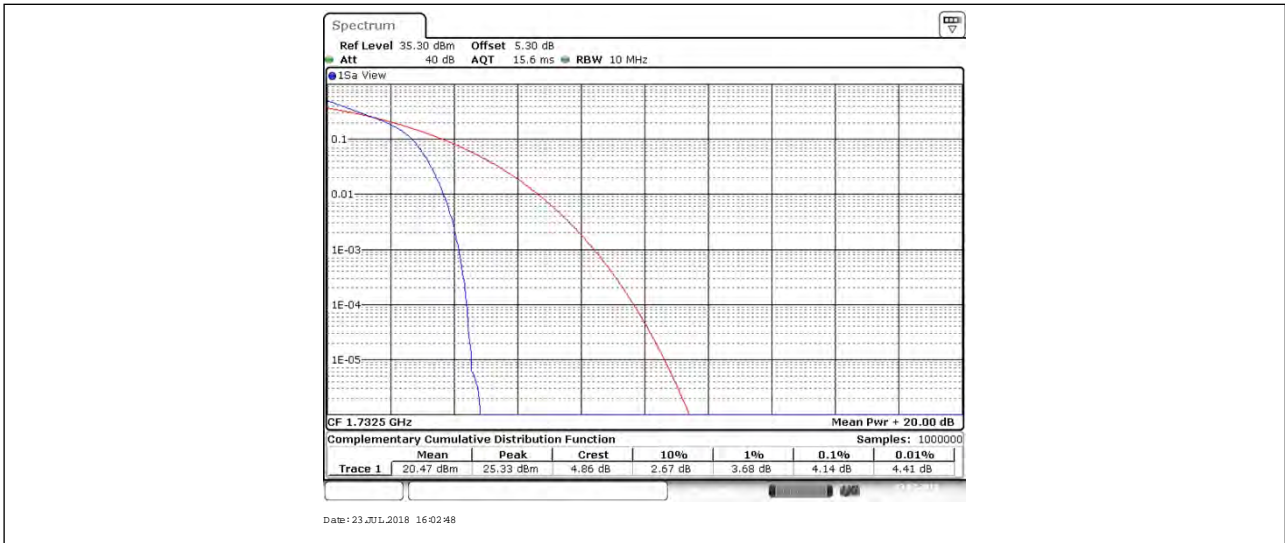
2. Peak-to-Average Ratio(CCDF)

2.1. Test Result

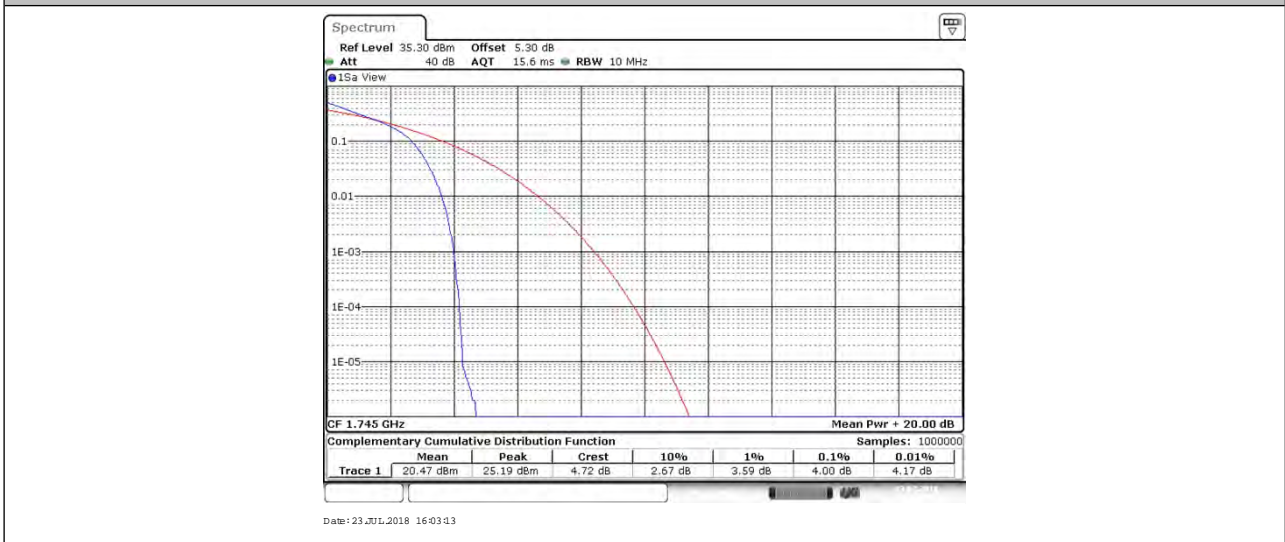
BAND	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
BAND4	20MHz	QPSK	20050	100RB#0	4.58	13	PASS
BAND4	20MHz	QPSK	20175	100RB#0	4.14	13	PASS
BAND4	20MHz	QPSK	20300	100RB#0	4.00	13	PASS
BAND4	20MHz	64QAM	20050	100RB#0	5.91	13	PASS
BAND4	20MHz	64QAM	20175	100RB#0	6.03	13	PASS
BAND4	20MHz	64QAM	20300	100RB#0	5.94	13	PASS
BAND4	20MHz	16QAM	20050	100RB#0	5.94	13	PASS
BAND4	20MHz	16QAM	20175	100RB#0	5.68	13	PASS
BAND4	20MHz	16QAM	20300	100RB#0	5.57	13	PASS

2.2. Test Plots

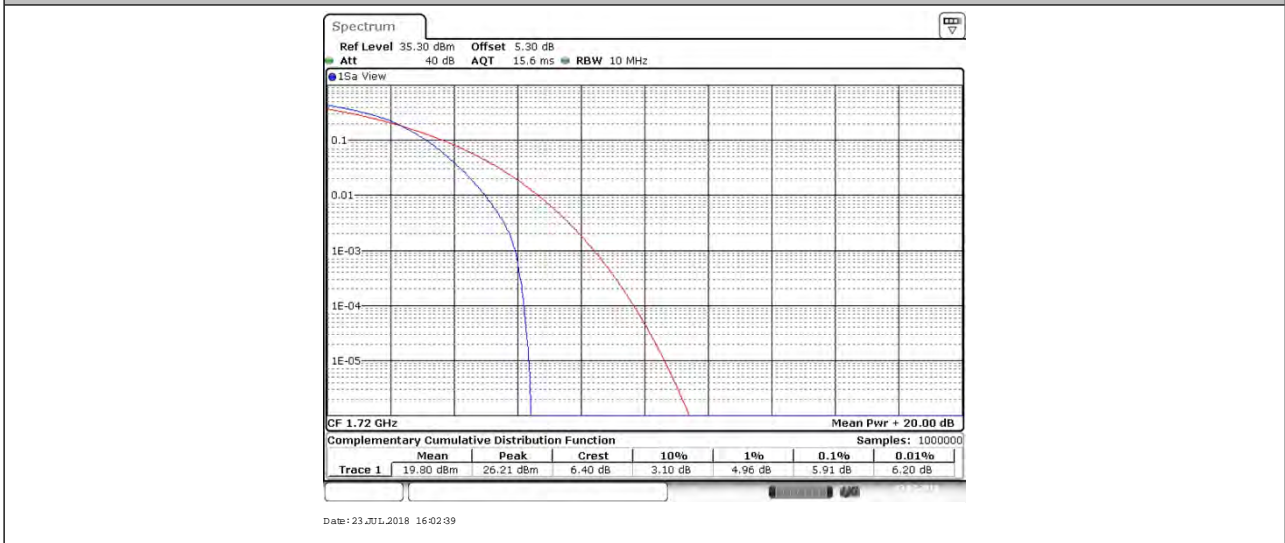




BAND4_20MHz_QPSK_20300_100RB#0



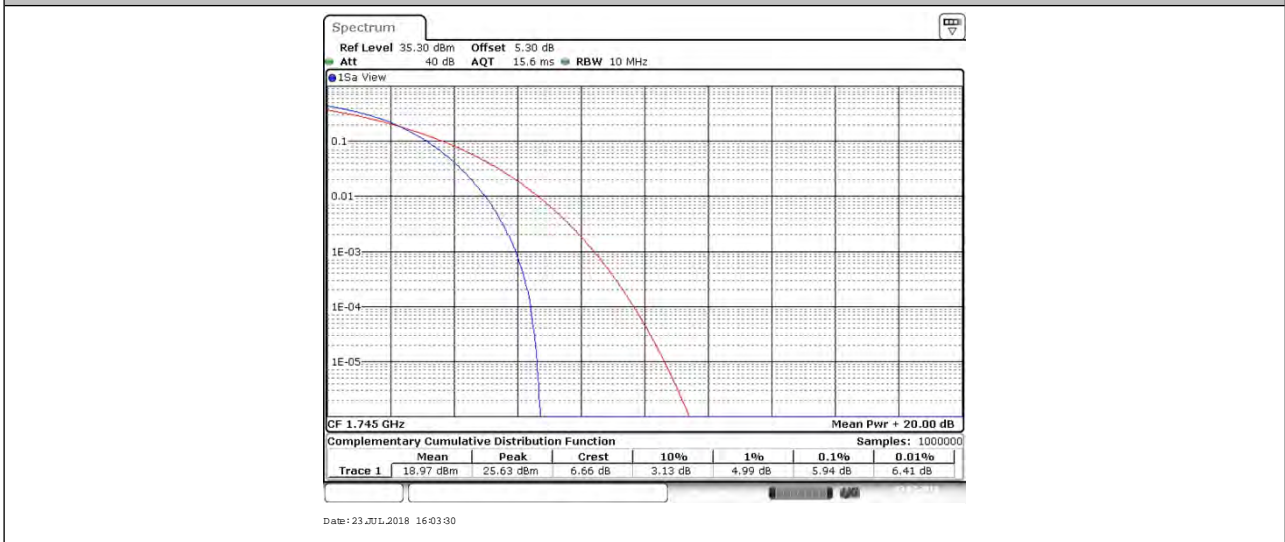
BAND4_20MHz_64QAM_20050_100RB#0



BAND4_20MHz_64QAM_20175_100RB#0



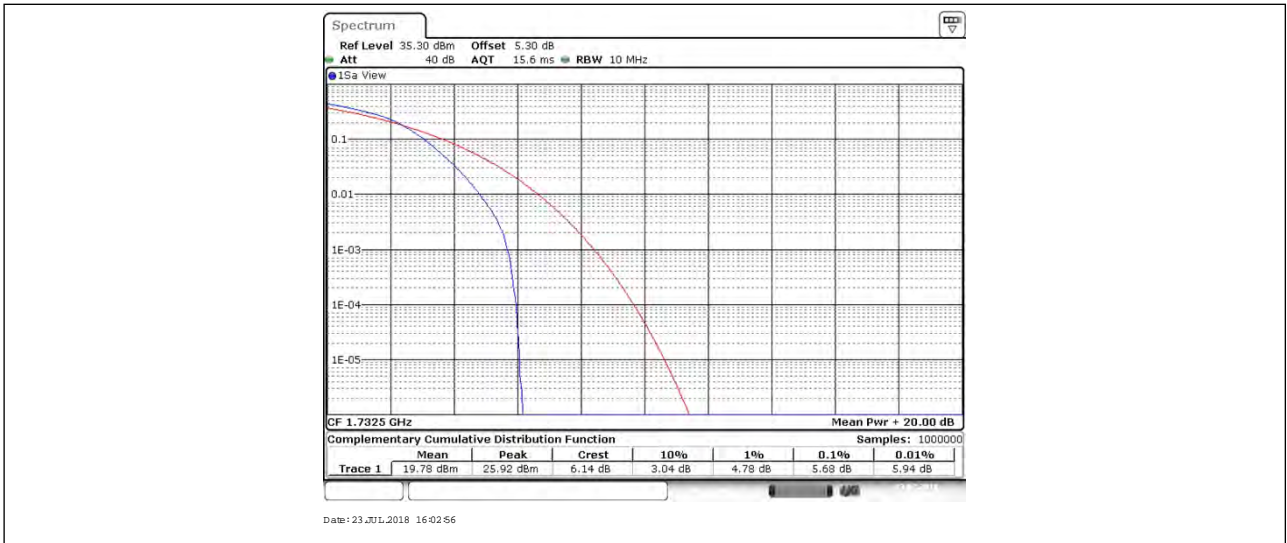
BAND4_20MHz_64QAM_20300_100RB#0



BAND4_20MHz_16QAM_20050_100RB#0



BAND4_20MHz_16QAM_20175_100RB#0



BAND4_20MHz_16QAM_20300_100RB#0

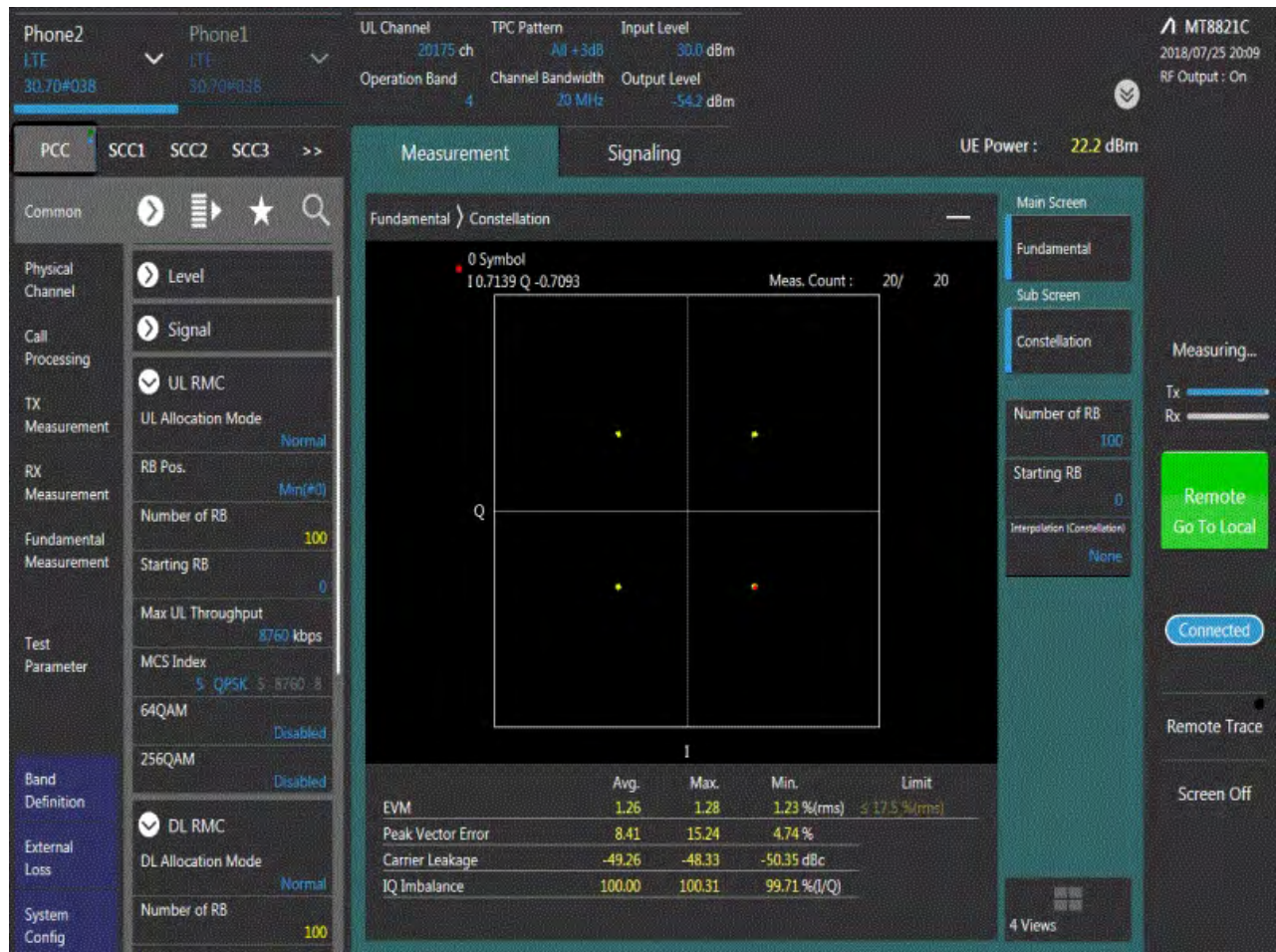


3. Modulation Characteristics

3.1. Test BAND = LTE BAND4

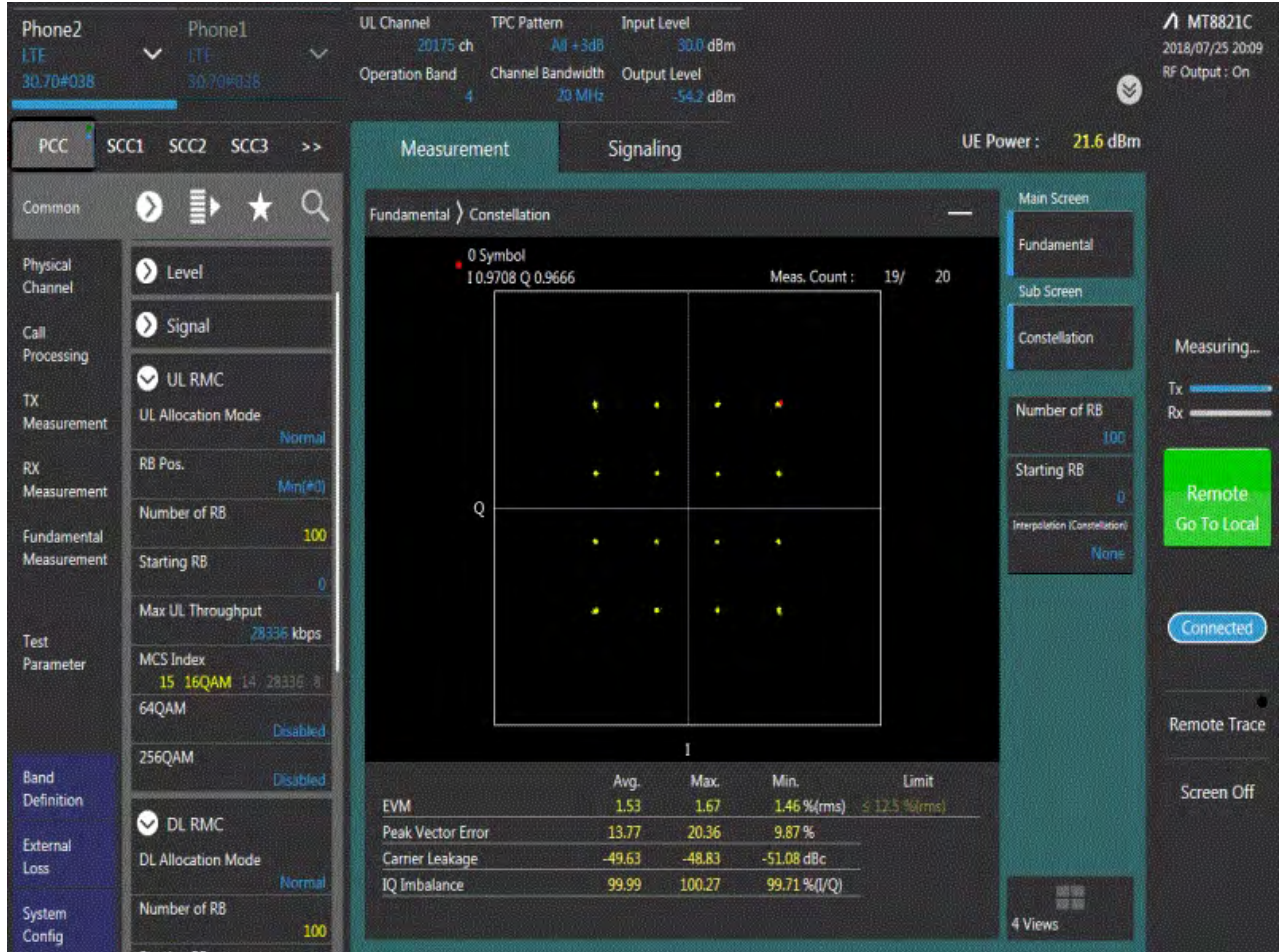
3.1.1. Test Mode = LTE /TM1 20MHz

3.1.1.1. Test Channel = MCH



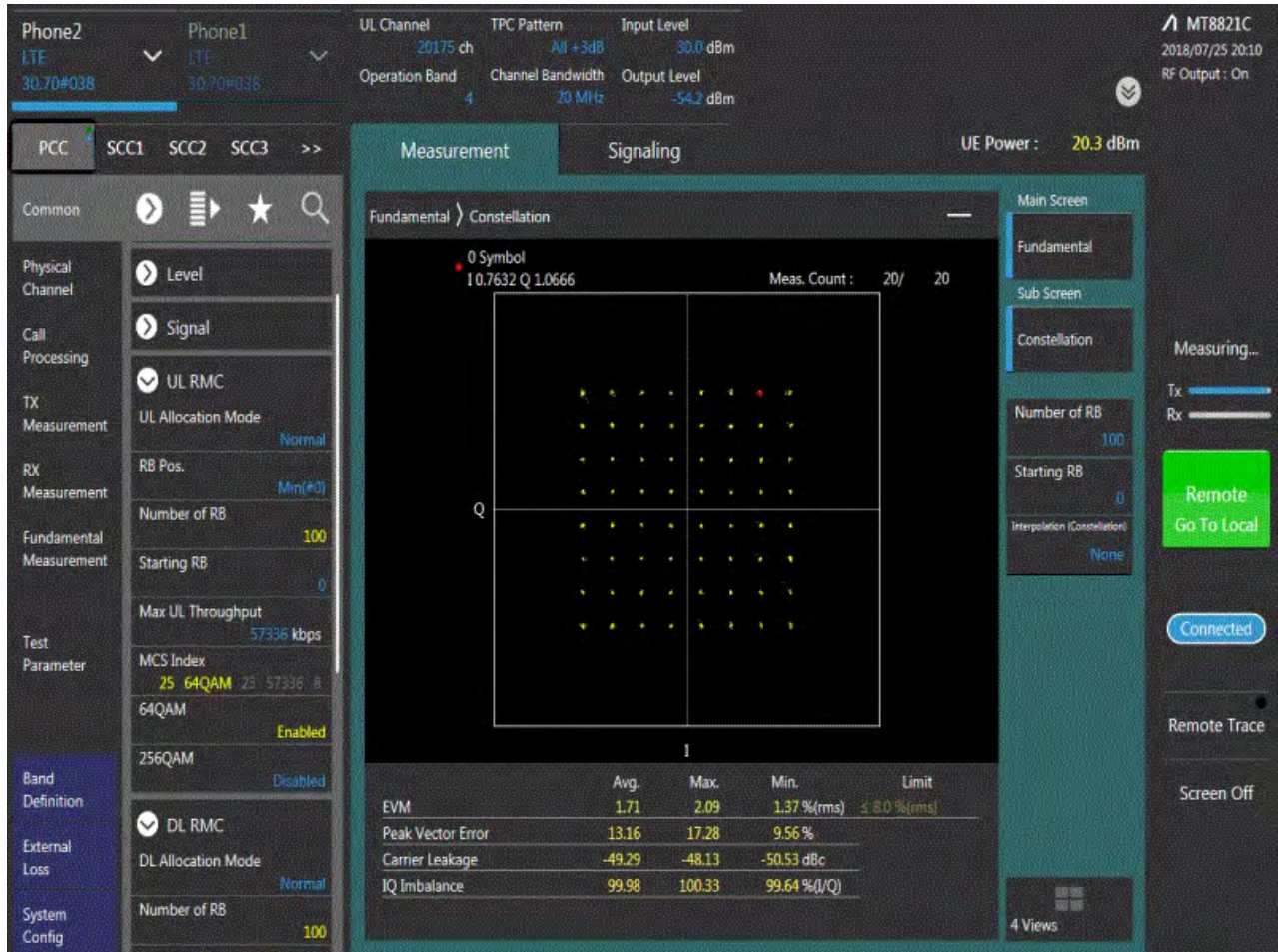
3.1.2. Test Mode = LTE /TM2 20MHz

3.1.2.1. Test Channel = MCH



3.1.1. Test Mode = LTE /TM3 20MHz

3.1.1.1. Test Channel = MCH





4. 26dB Bandwidth and Occupied Bandwidth

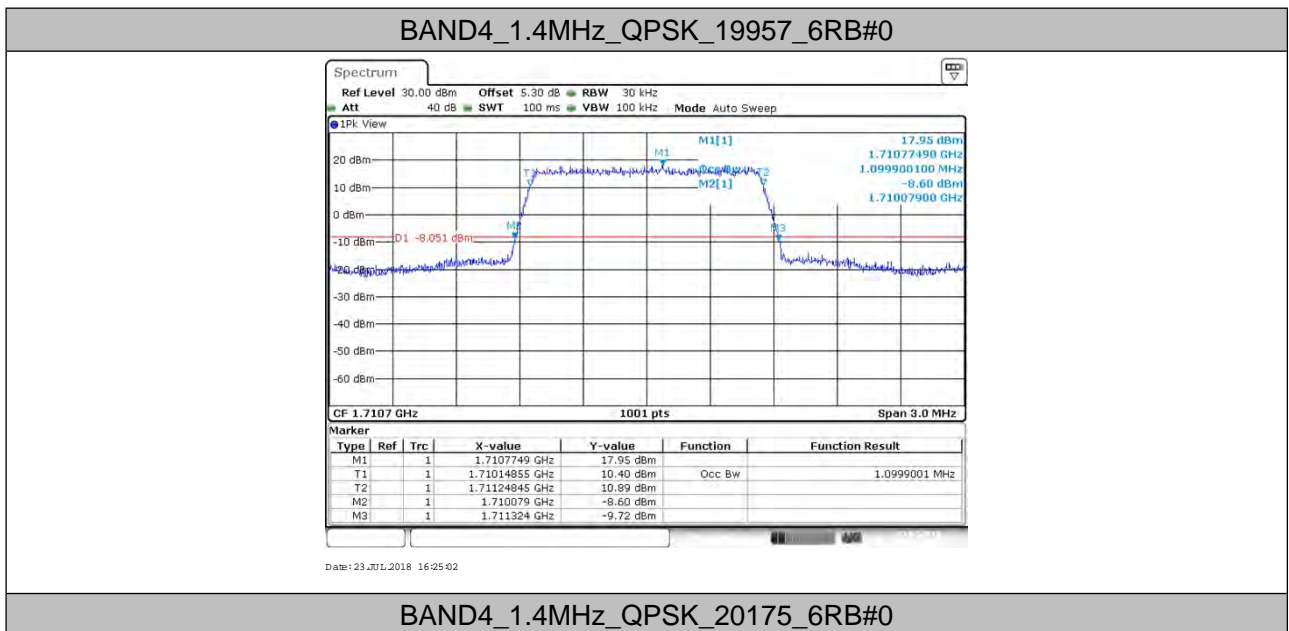
4.1. Test Result

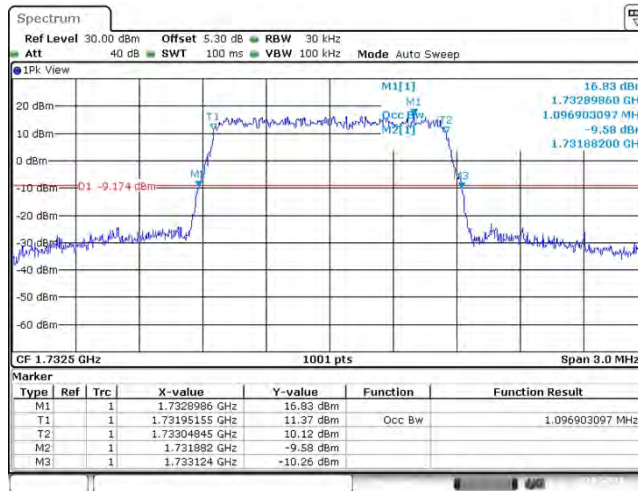
BAND	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
BAND4	1.4MHz	QPSK	19957	6RB#0	1.100	1.245	PASS
BAND4	1.4MHz	QPSK	20175	6RB#0	1.097	1.242	PASS
BAND4	1.4MHz	QPSK	20393	6RB#0	1.097	1.248	PASS
BAND4	1.4MHz	64QAM	19957	6RB#0	1.097	1.248	PASS
BAND4	1.4MHz	64QAM	20175	6RB#0	1.097	1.242	PASS
BAND4	1.4MHz	64QAM	20393	6RB#0	1.094	1.242	PASS
BAND4	1.4MHz	16QAM	19957	6RB#0	1.094	1.248	PASS
BAND4	1.4MHz	16QAM	20175	6RB#0	1.091	1.245	PASS
BAND4	1.4MHz	16QAM	20393	6RB#0	1.094	1.251	PASS
BAND4	3MHz	QPSK	19965	15RB#0	2.697	2.988	PASS
BAND4	3MHz	QPSK	20175	15RB#0	2.697	2.970	PASS
BAND4	3MHz	QPSK	20385	15RB#0	2.697	2.988	PASS
BAND4	3MHz	64QAM	19965	15RB#0	2.697	2.970	PASS
BAND4	3MHz	64QAM	20175	15RB#0	2.697	2.964	PASS
BAND4	3MHz	64QAM	20385	15RB#0	2.703	2.982	PASS
BAND4	3MHz	16QAM	19965	15RB#0	2.697	2.982	PASS
BAND4	3MHz	16QAM	20175	15RB#0	2.691	2.964	PASS
BAND4	3MHz	16QAM	20385	15RB#0	2.697	2.970	PASS
BAND4	5MHz	QPSK	19975	25RB#0	4.476	4.910	PASS
BAND4	5MHz	QPSK	20175	25RB#0	4.466	4.900	PASS
BAND4	5MHz	QPSK	20375	25RB#0	4.476	4.900	PASS
BAND4	5MHz	64QAM	19975	25RB#0	4.476	4.900	PASS
BAND4	5MHz	64QAM	20175	25RB#0	4.486	4.920	PASS
BAND4	5MHz	64QAM	20375	25RB#0	4.486	4.930	PASS
BAND4	5MHz	16QAM	19975	25RB#0	4.476	4.910	PASS
BAND4	5MHz	16QAM	20175	25RB#0	4.476	4.910	PASS
BAND4	5MHz	16QAM	20375	25RB#0	4.476	4.910	PASS
BAND4	10MHz	QPSK	20000	50RB#0	8.931	9.800	PASS
BAND4	10MHz	QPSK	20175	50RB#0	8.951	9.800	PASS
BAND4	10MHz	QPSK	20350	50RB#0	8.931	9.800	PASS
BAND4	10MHz	64QAM	20000	50RB#0	8.951	9.800	PASS
BAND4	10MHz	64QAM	20175	50RB#0	8.951	9.800	PASS
BAND4	10MHz	64QAM	20350	50RB#0	8.951	9.760	PASS



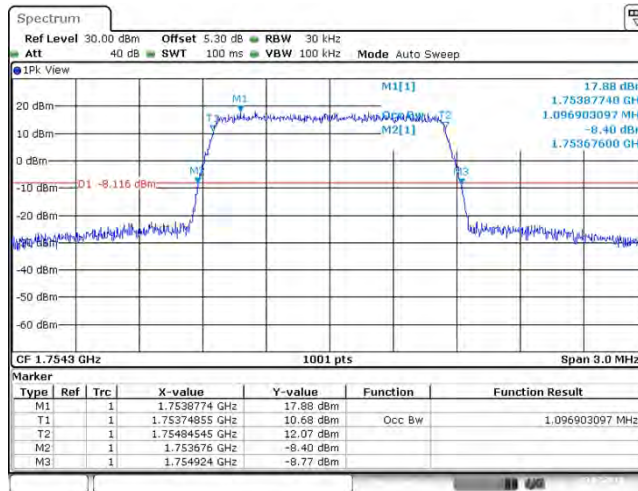
BAND4	10MHz	16QAM	20000	50RB#0	8.931	9.760	PASS
BAND4	10MHz	16QAM	20175	50RB#0	8.951	9.800	PASS
BAND4	10MHz	16QAM	20350	50RB#0	8.971	9.760	PASS
BAND4	15MHz	QPSK	20025	75RB#0	13.487	15.030	PASS
BAND4	15MHz	QPSK	20175	75RB#0	13.516	15.030	PASS
BAND4	15MHz	QPSK	20325	75RB#0	13.457	15.090	PASS
BAND4	15MHz	64QAM	20025	75RB#0	13.516	15.030	PASS
BAND4	15MHz	64QAM	20175	75RB#0	13.457	14.970	PASS
BAND4	15MHz	64QAM	20325	75RB#0	13.516	15.090	PASS
BAND4	15MHz	16QAM	20025	75RB#0	13.487	15.000	PASS
BAND4	15MHz	16QAM	20175	75RB#0	13.487	14.820	PASS
BAND4	15MHz	16QAM	20325	75RB#0	13.516	15.030	PASS
BAND4	20MHz	QPSK	20050	100RB#0	17.942	19.760	PASS
BAND4	20MHz	QPSK	20175	100RB#0	17.942	19.760	PASS
BAND4	20MHz	QPSK	20300	100RB#0	17.902	19.720	PASS
BAND4	20MHz	64QAM	20050	100RB#0	17.942	19.800	PASS
BAND4	20MHz	64QAM	20175	100RB#0	17.942	19.680	PASS
BAND4	20MHz	64QAM	20300	100RB#0	17.942	19.800	PASS
BAND4	20MHz	16QAM	20050	100RB#0	17.982	19.760	PASS
BAND4	20MHz	16QAM	20175	100RB#0	17.942	19.760	PASS
BAND4	20MHz	16QAM	20300	100RB#0	17.982	19.760	PASS

4.2. Test Plots

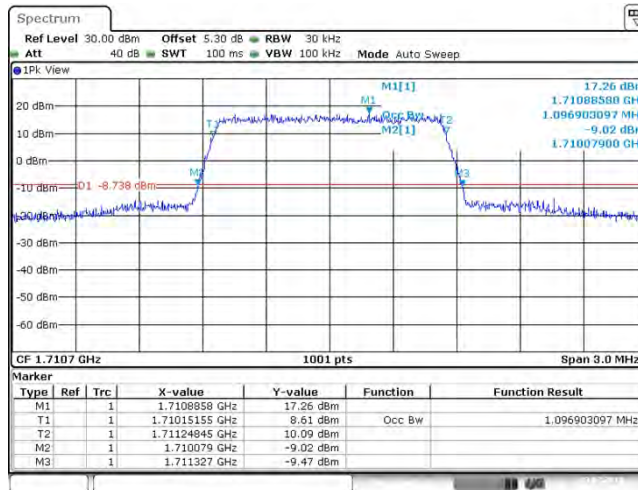




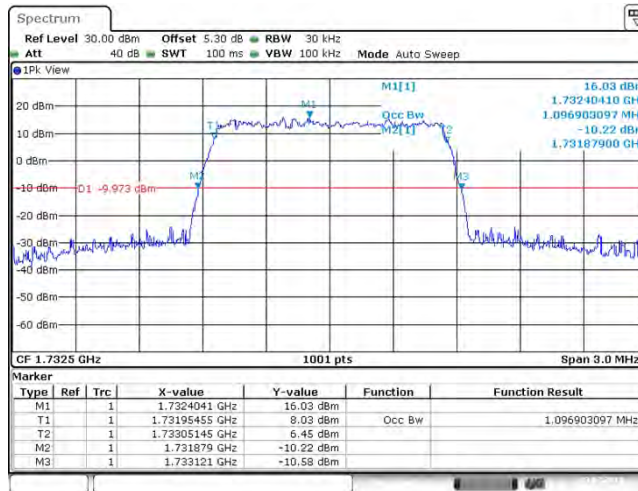
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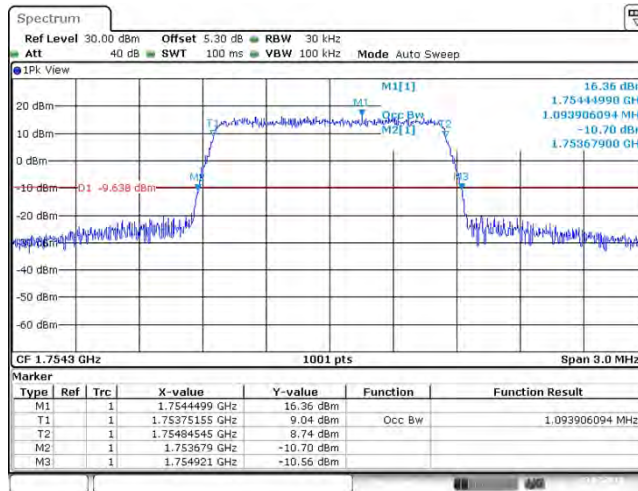
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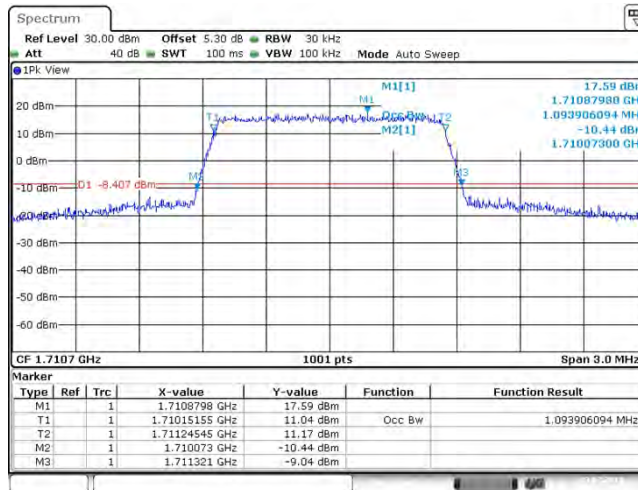
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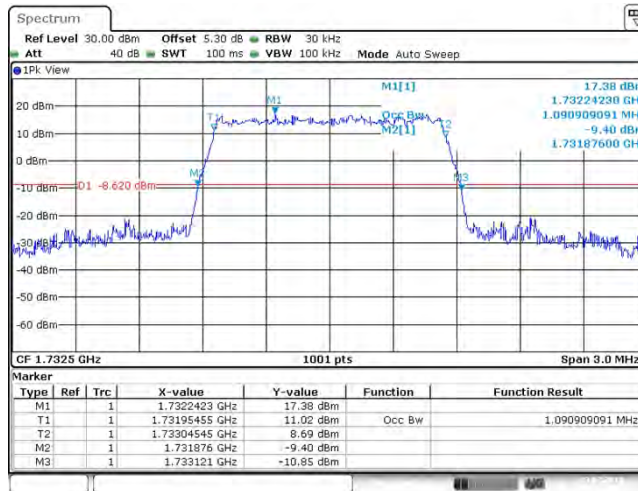
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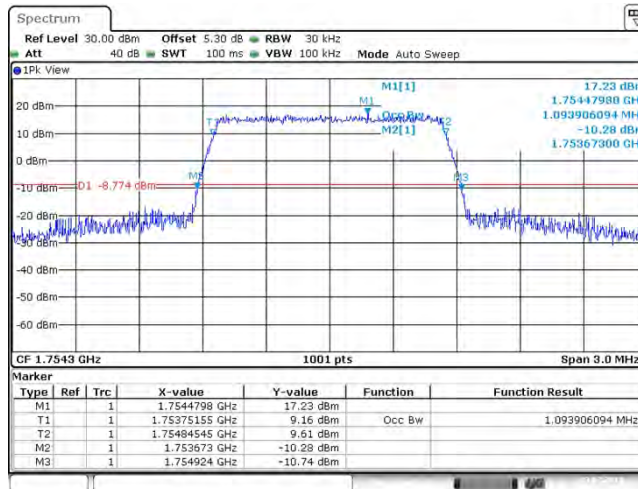
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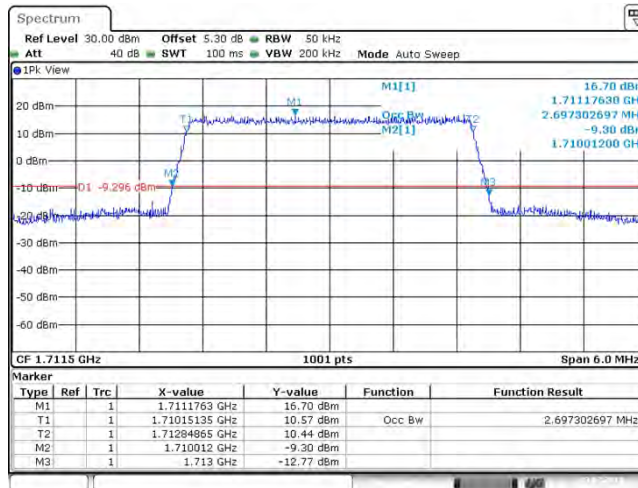
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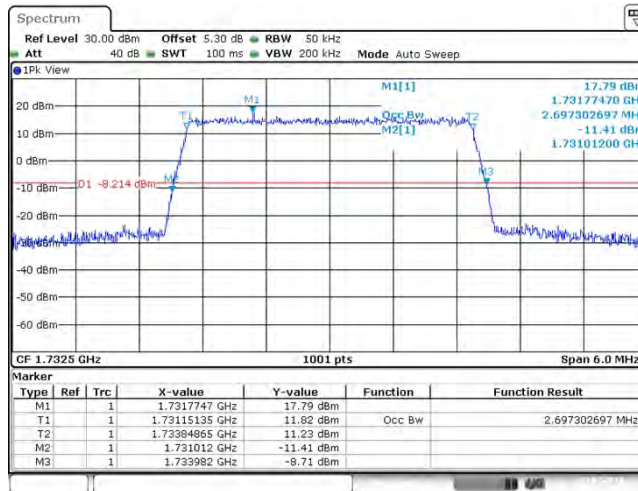
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BAND4_3MHz_QPSK_19965_15RB#0

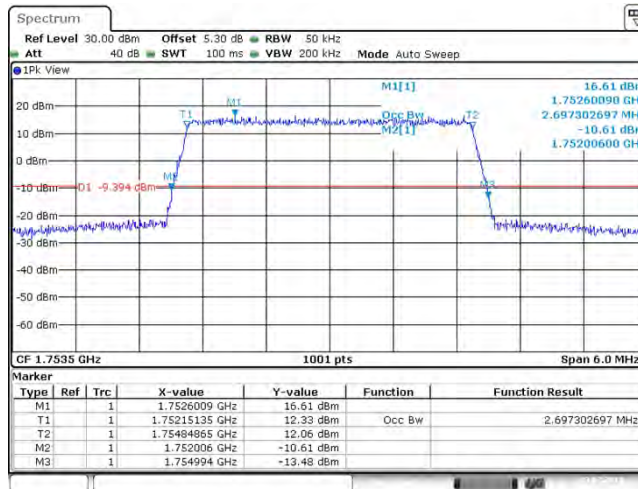


BAND4_3MHz_QPSK_20175_15RB#0



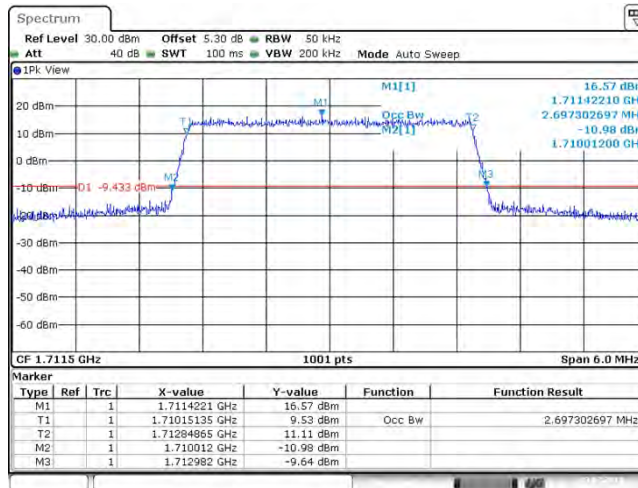
Date: 23.JUL.2018 16:27:42

BAND4_3MHz_QPSK_20385_15RB#0



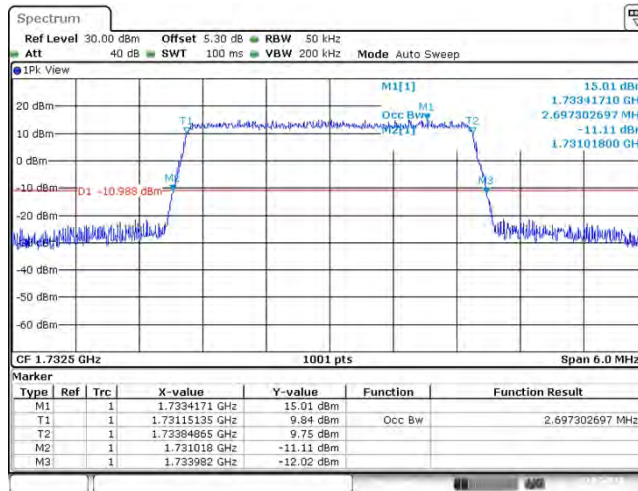
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BAND4_3MHz_64QAM_19965_15RB#0

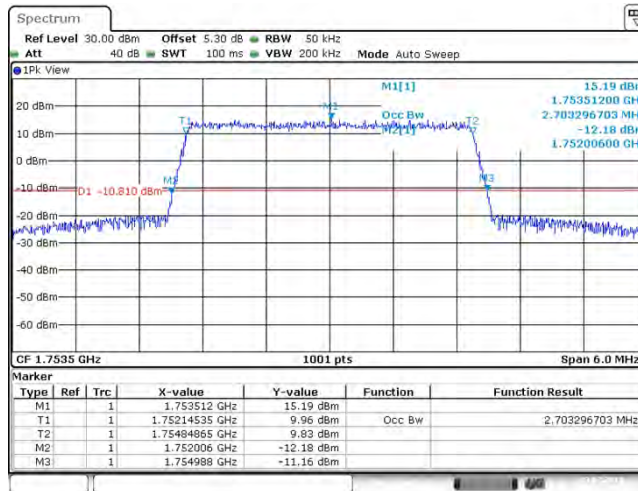


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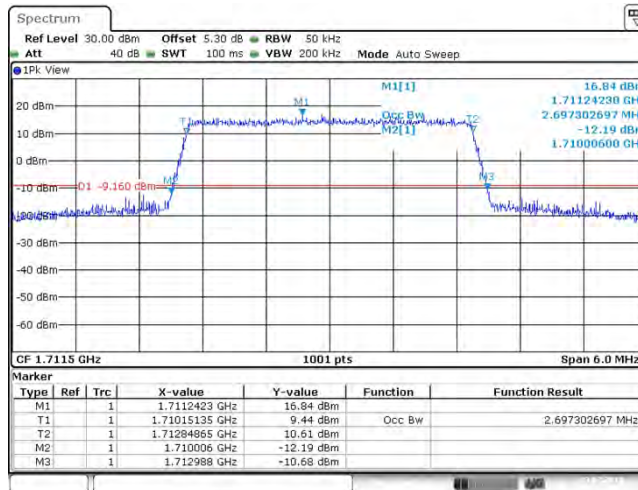
BAND4_3MHz_64QAM_20175_15RB#0



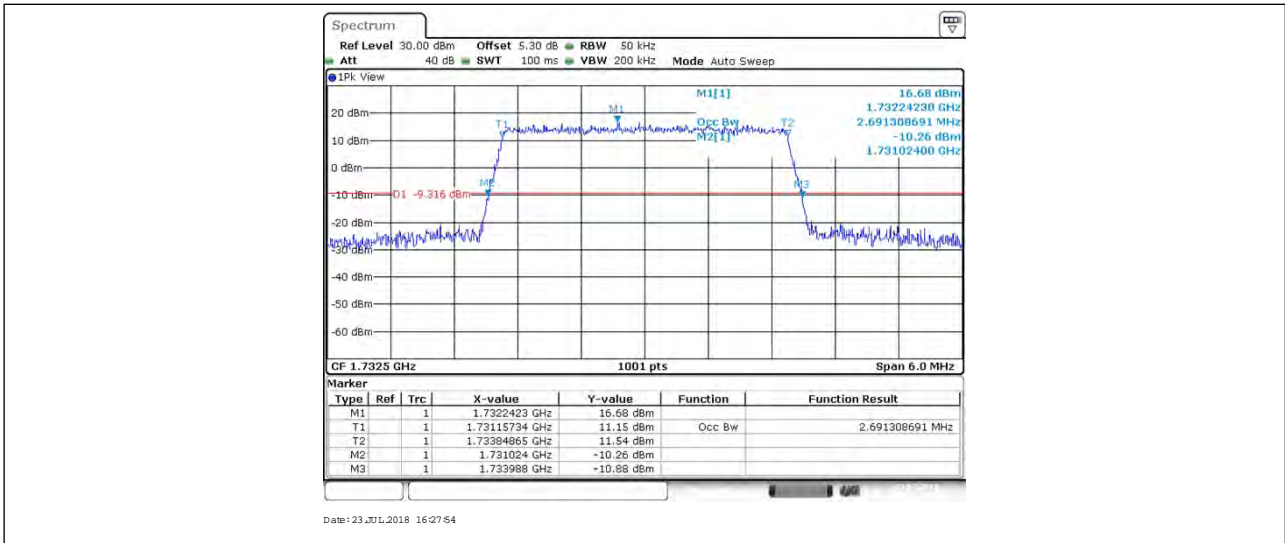
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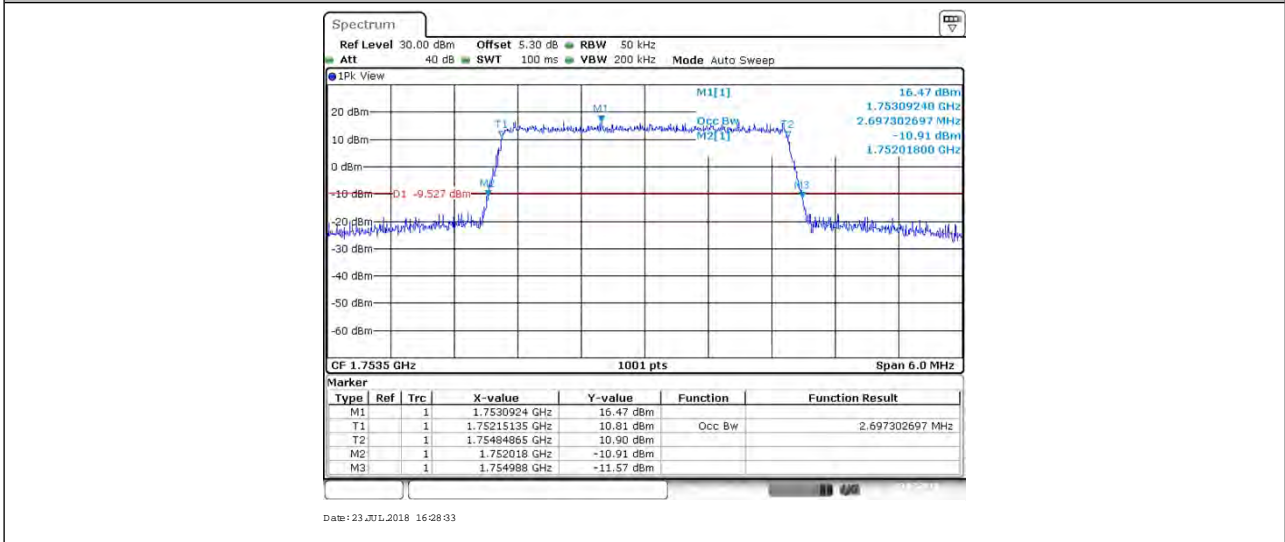
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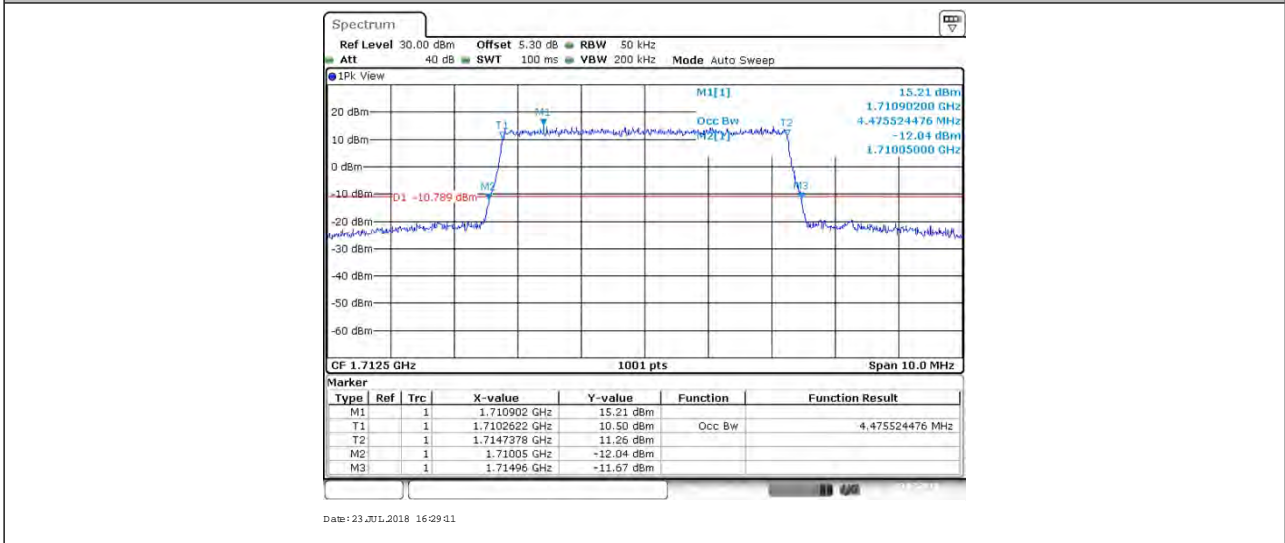
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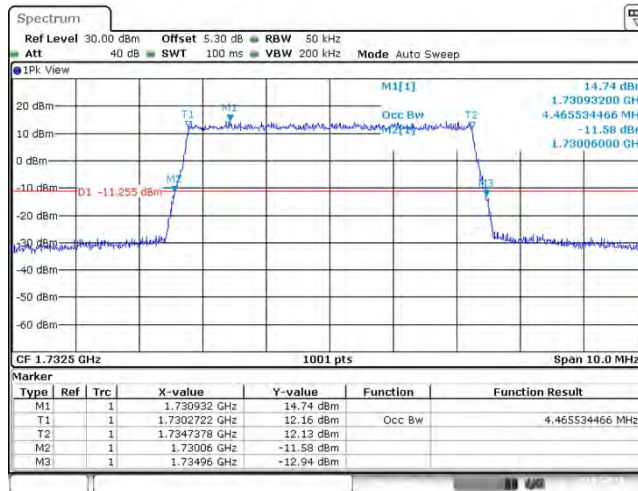
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BAND4_5MHz_QPSK_19975_25RB#0

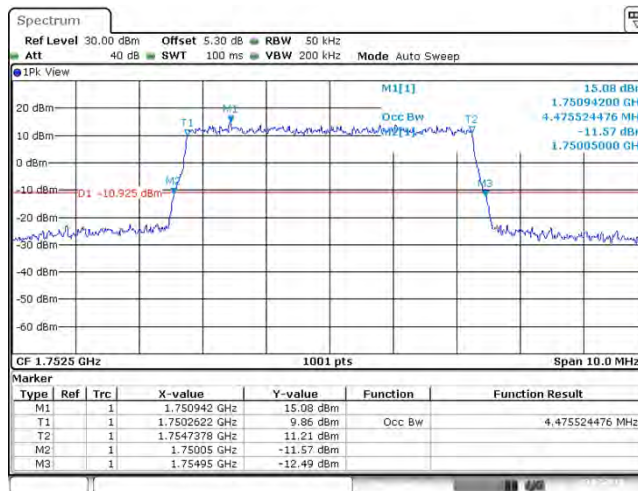


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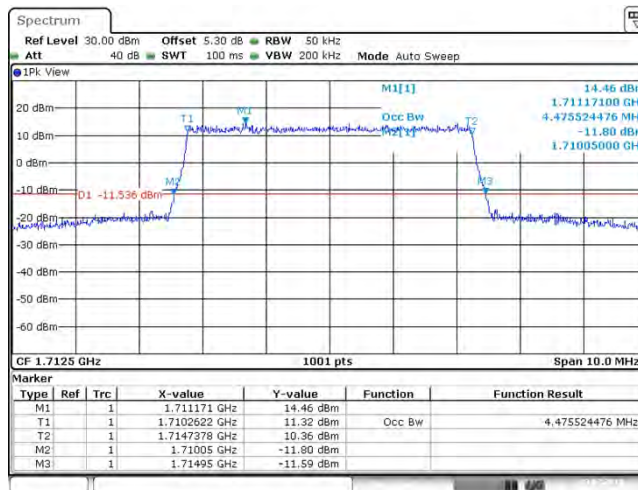
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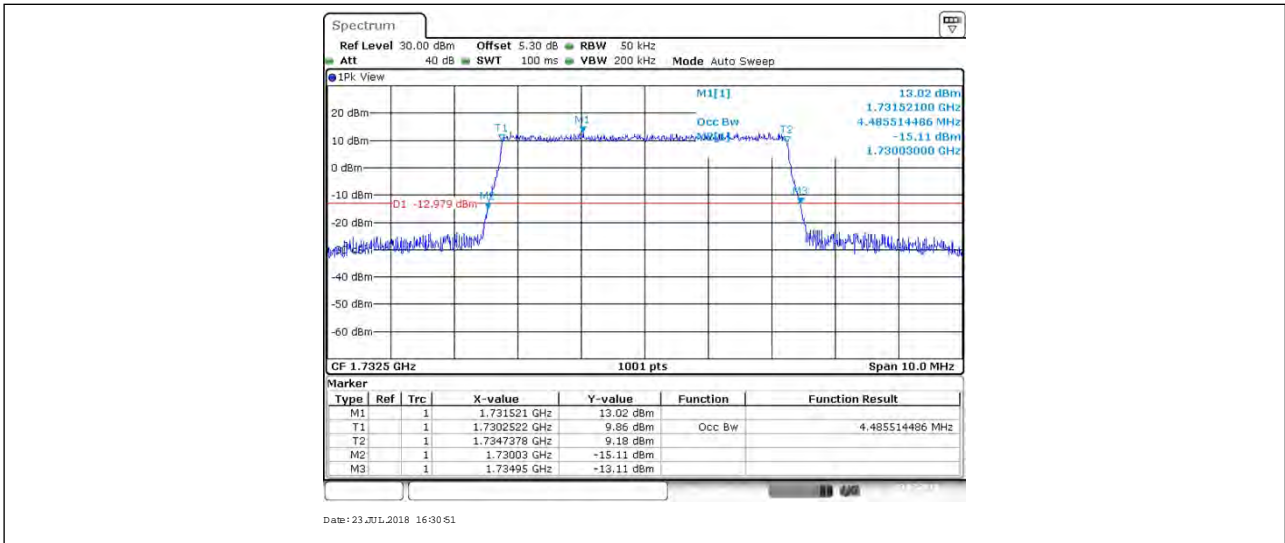
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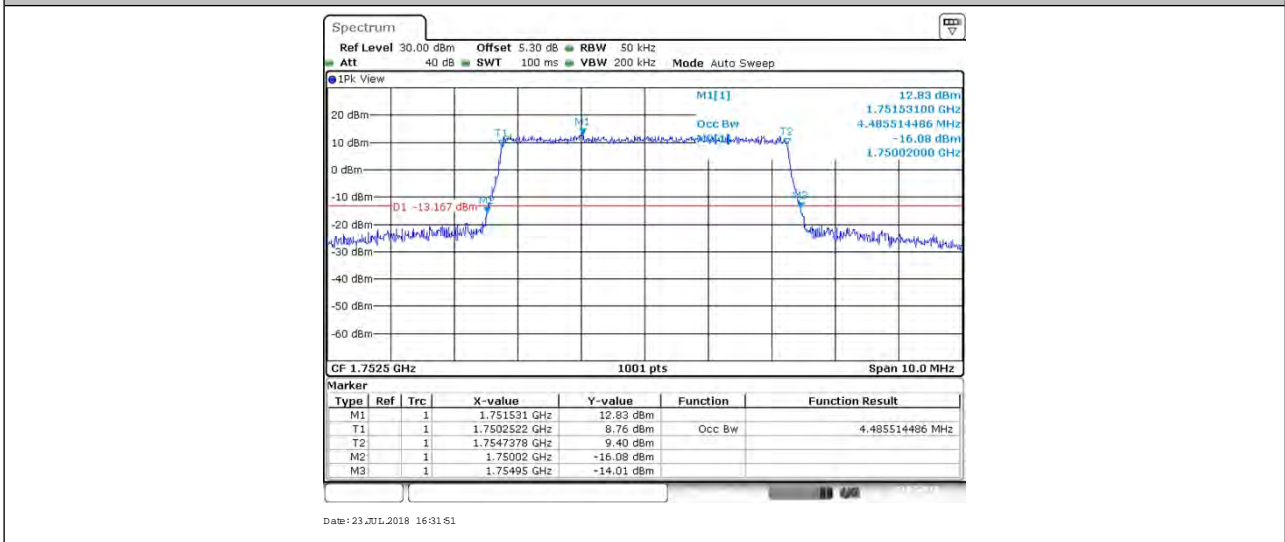


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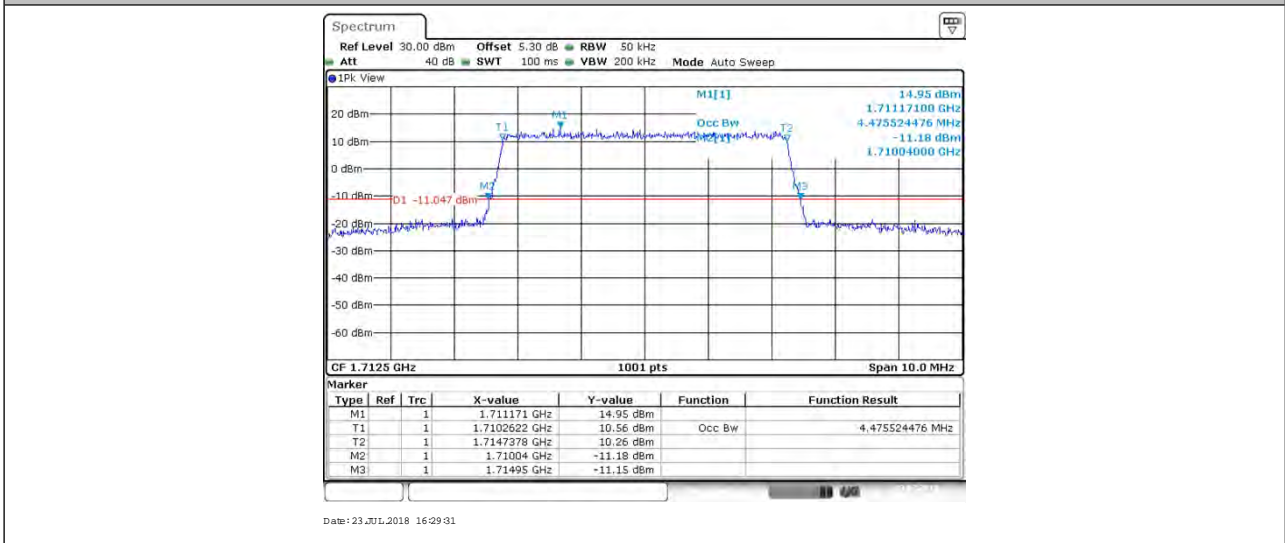
BAND4_5MHz_64QAM_20175_25RB#0



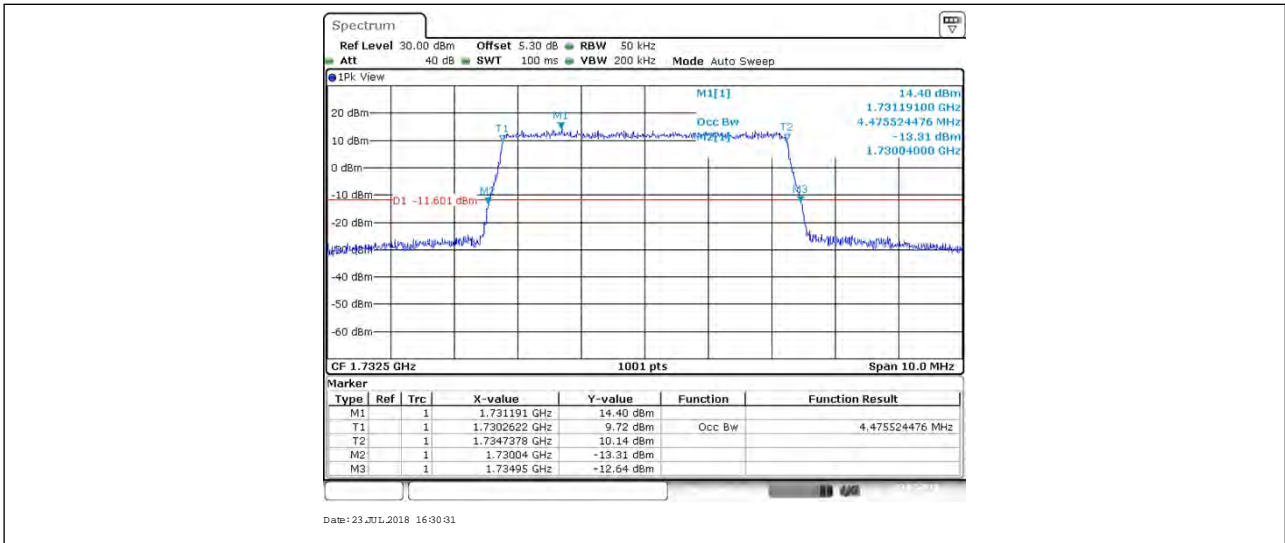
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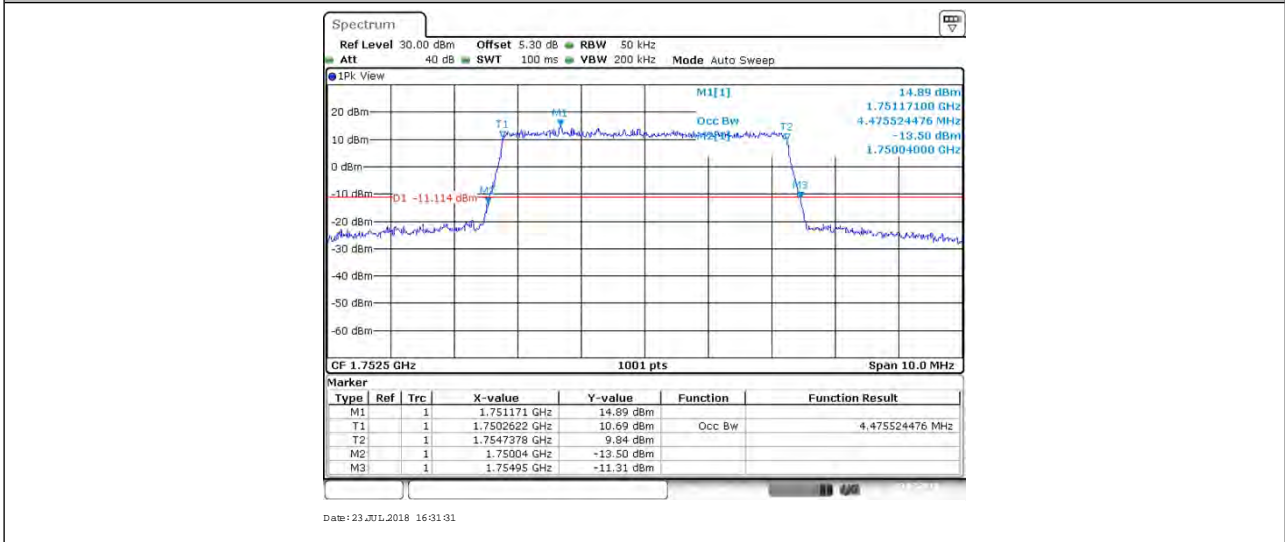
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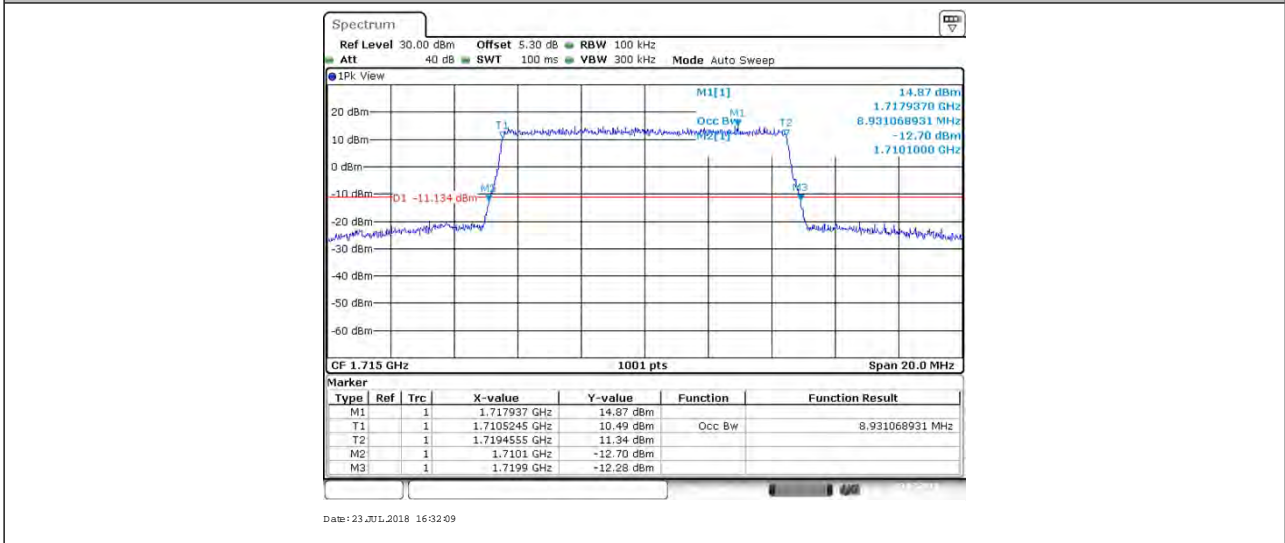
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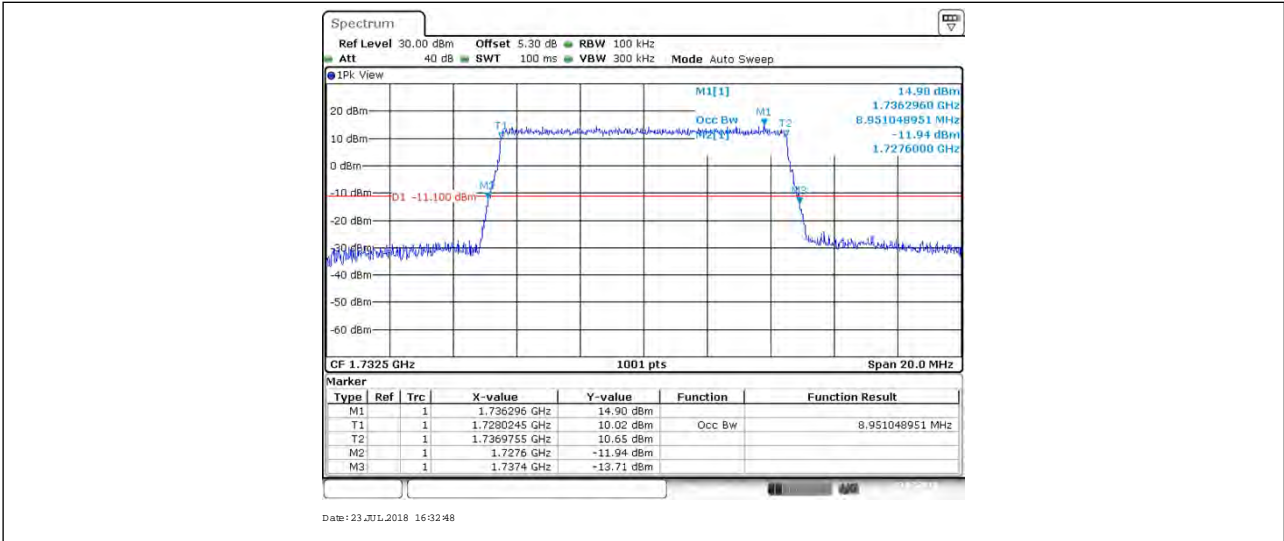
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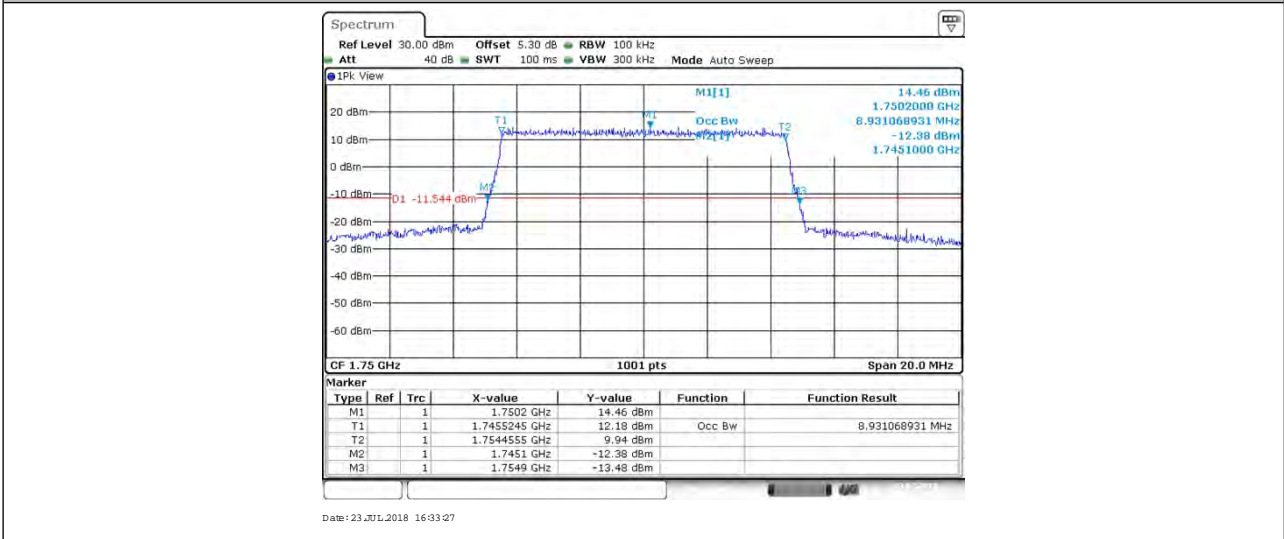
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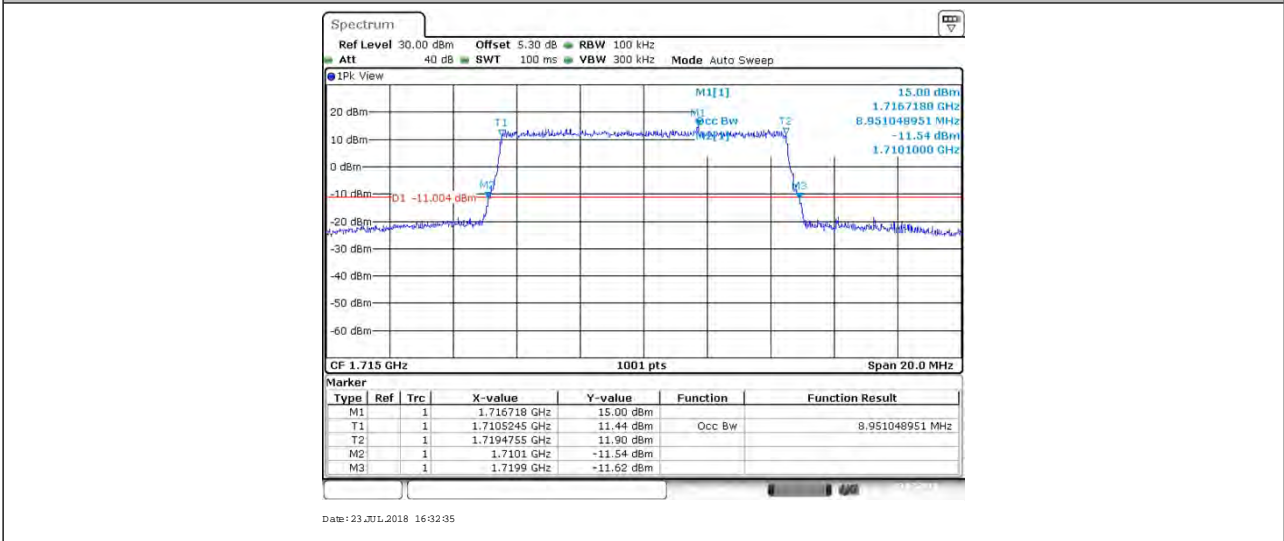
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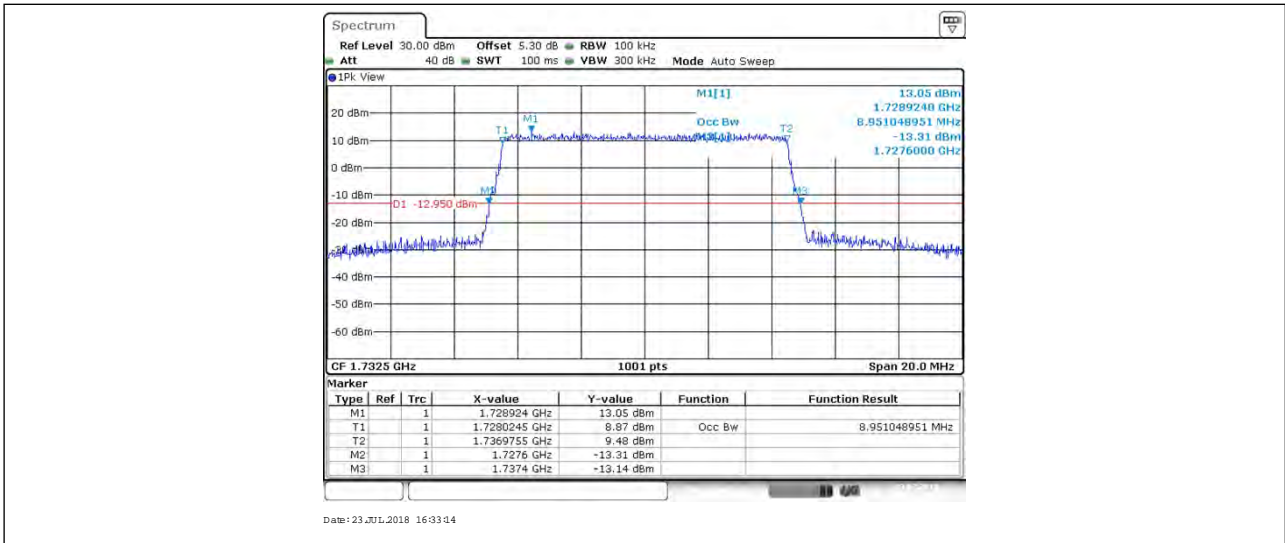
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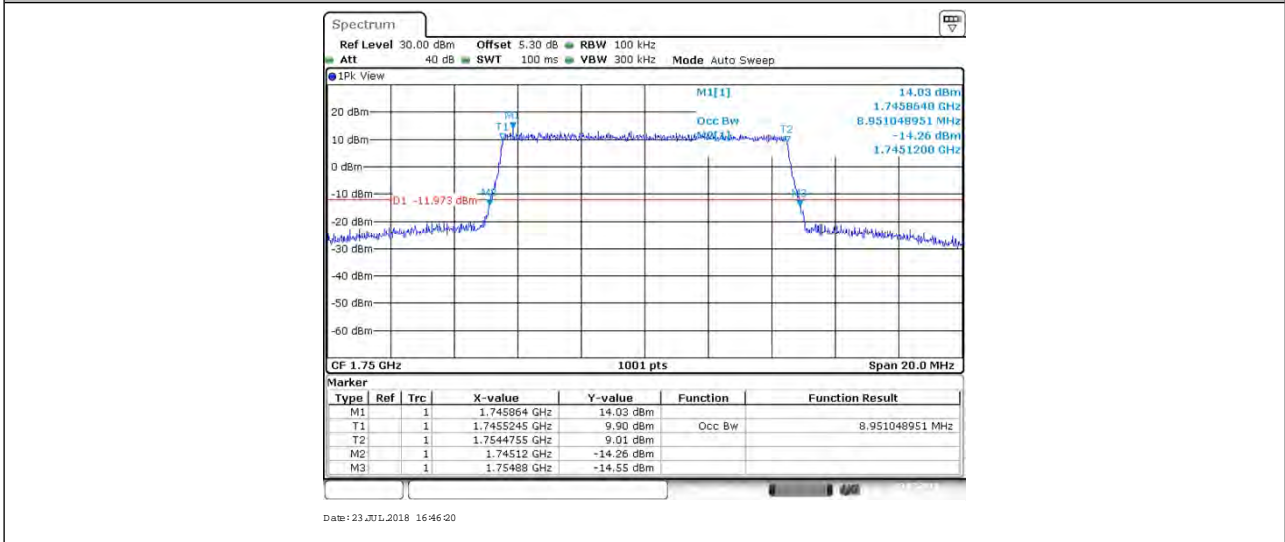
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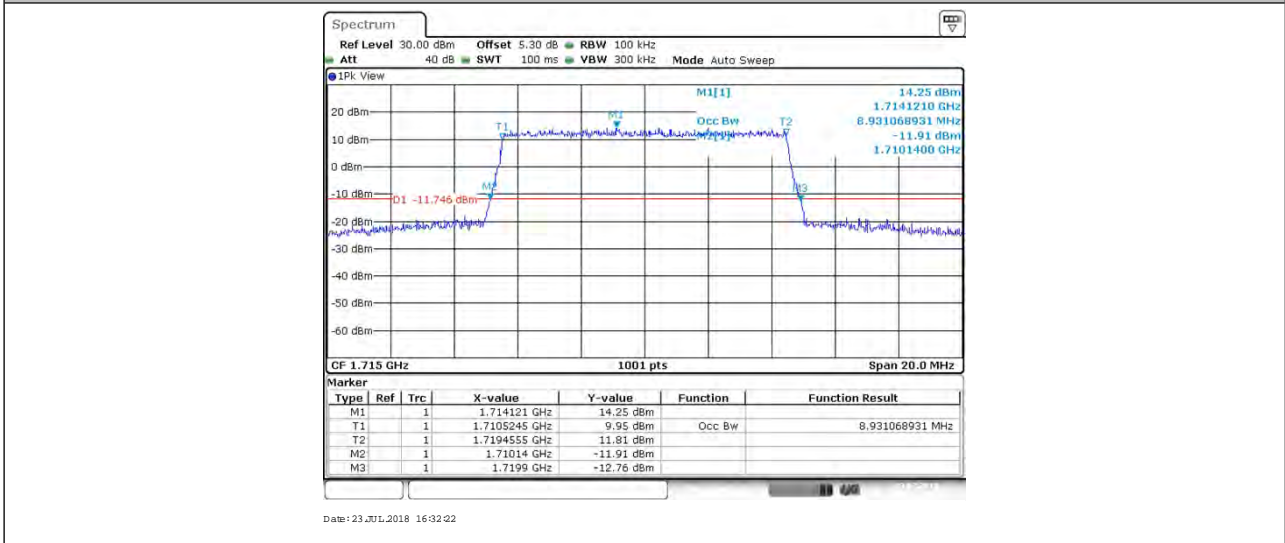
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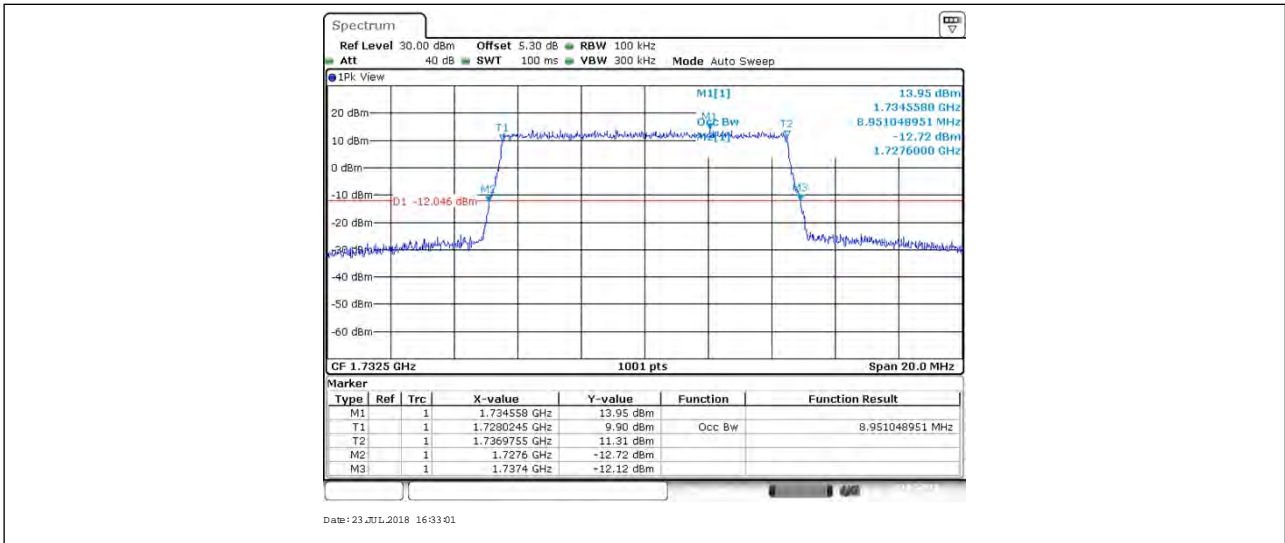
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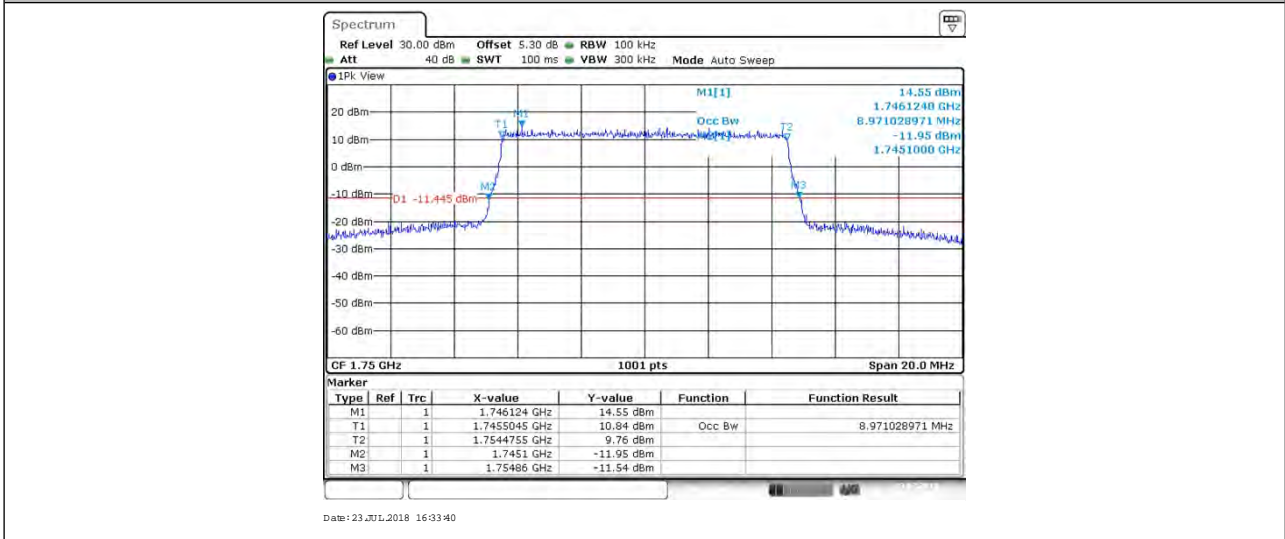
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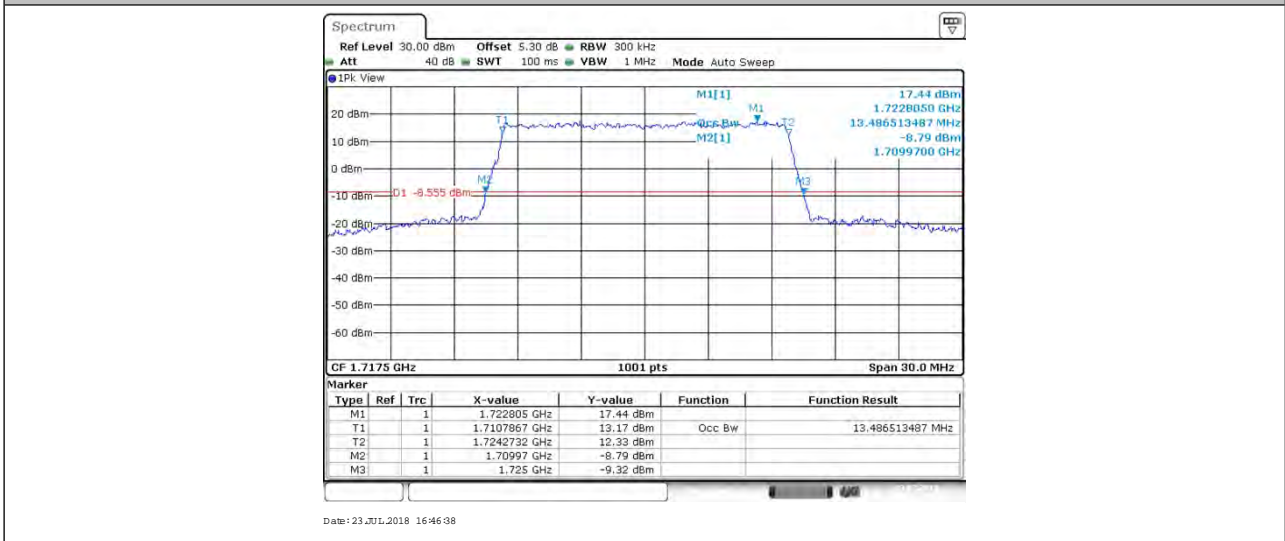
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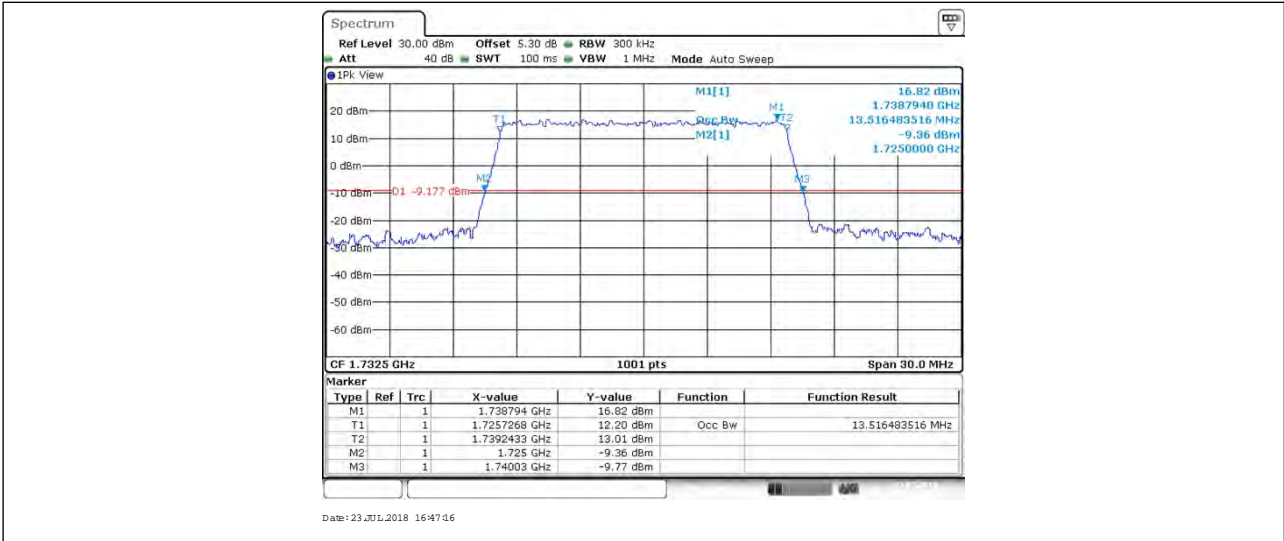
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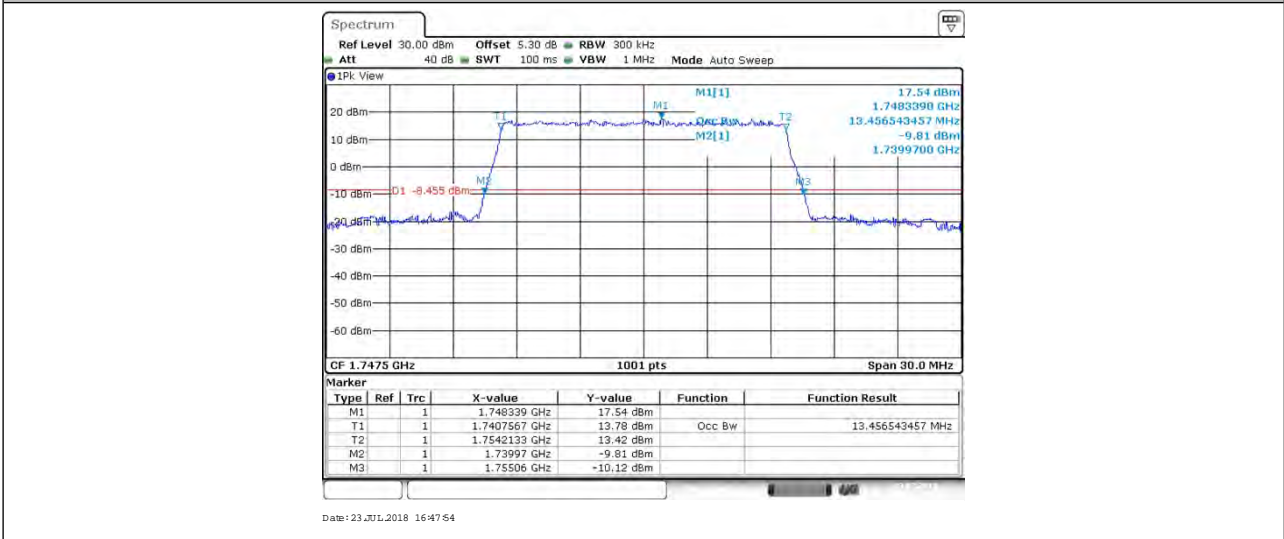
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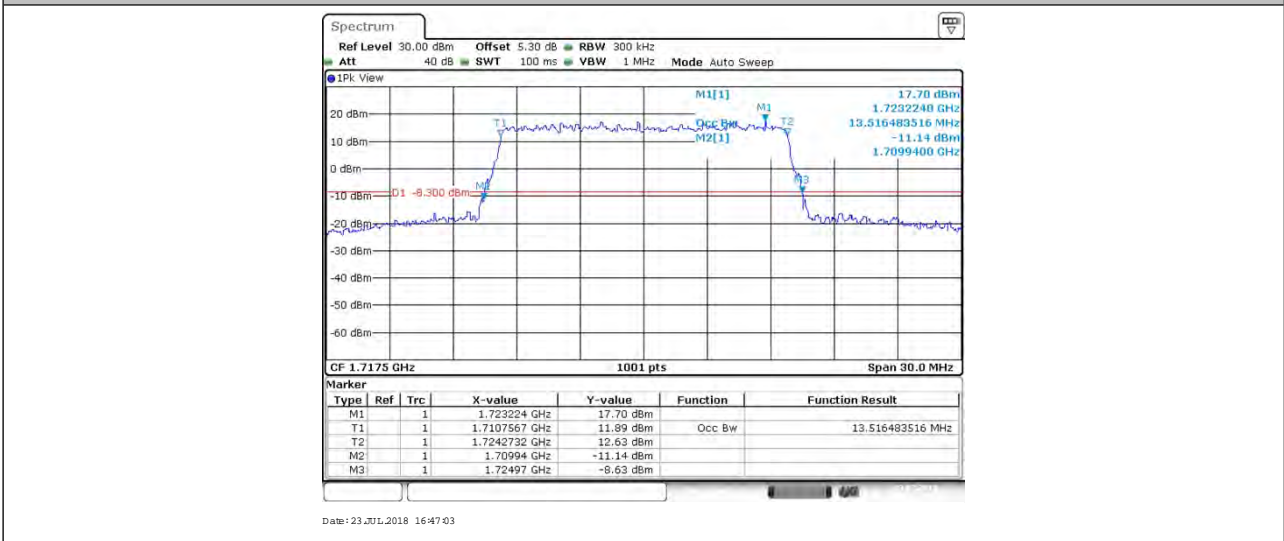
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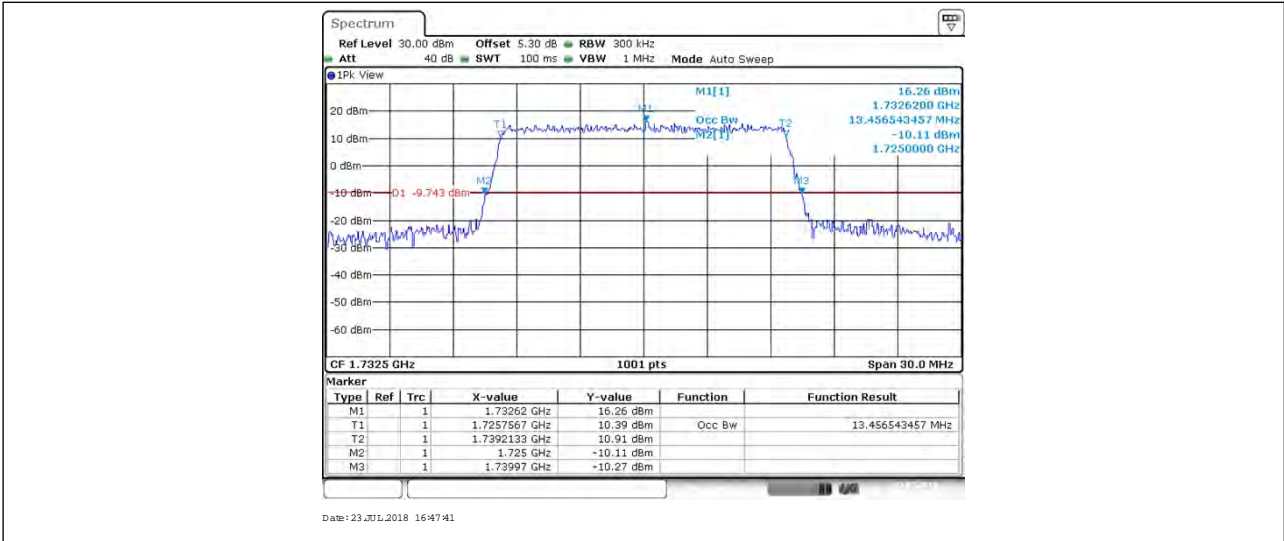
BAND4_15MHz_QPSK_20325_75RB#0



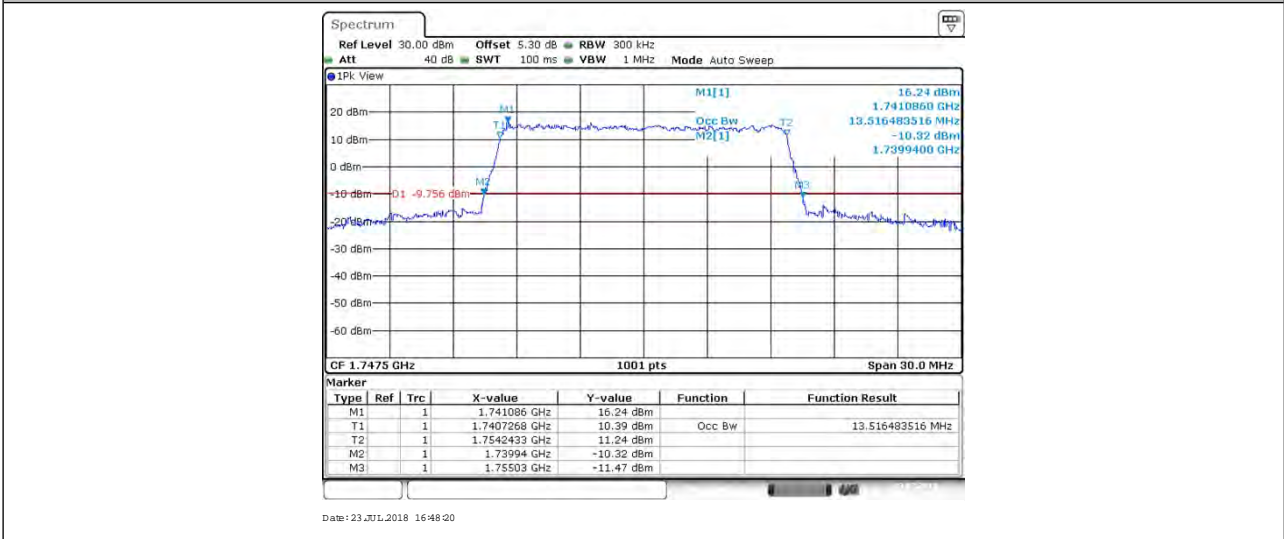
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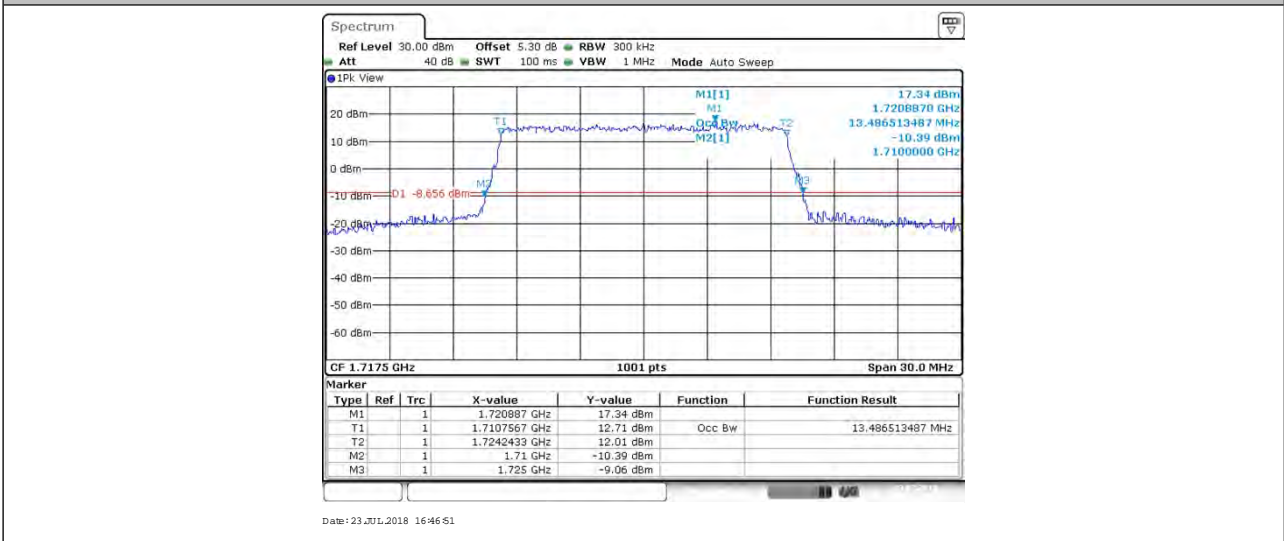
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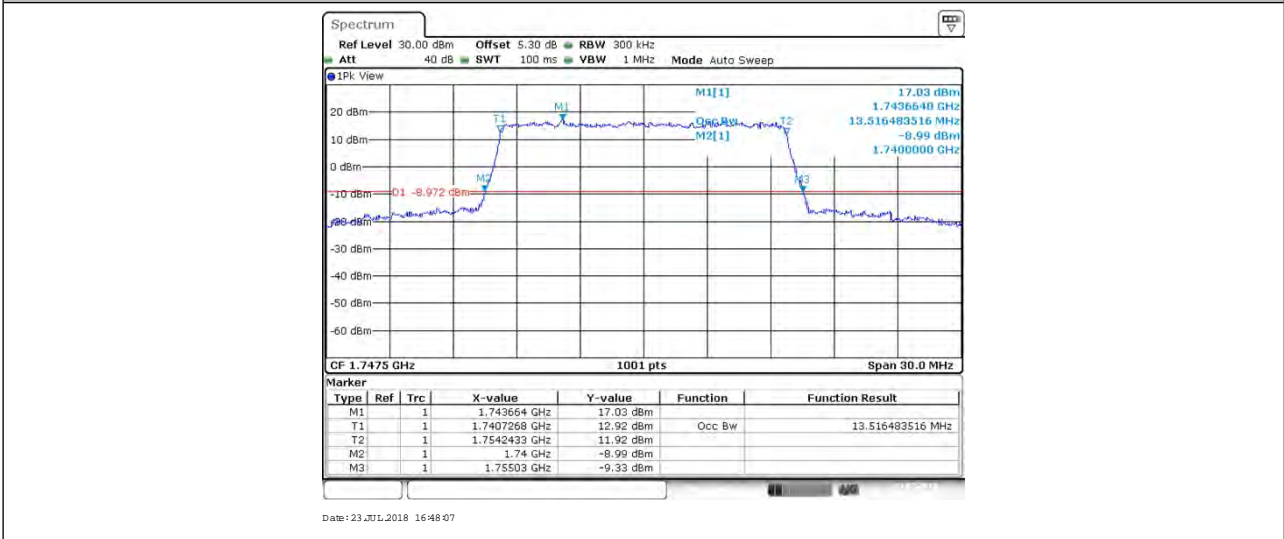
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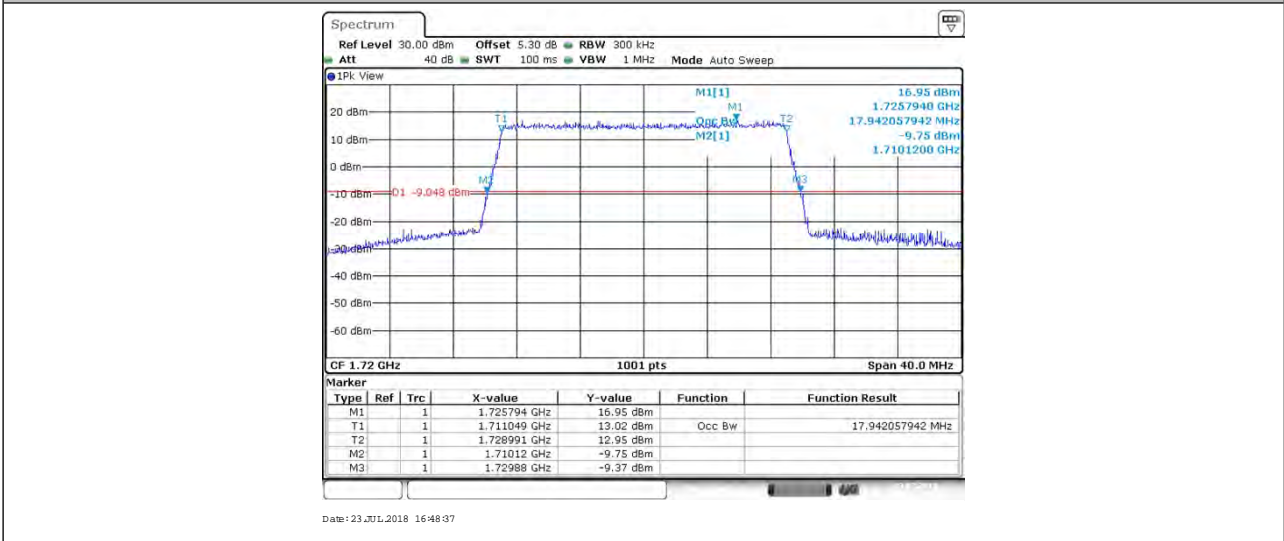
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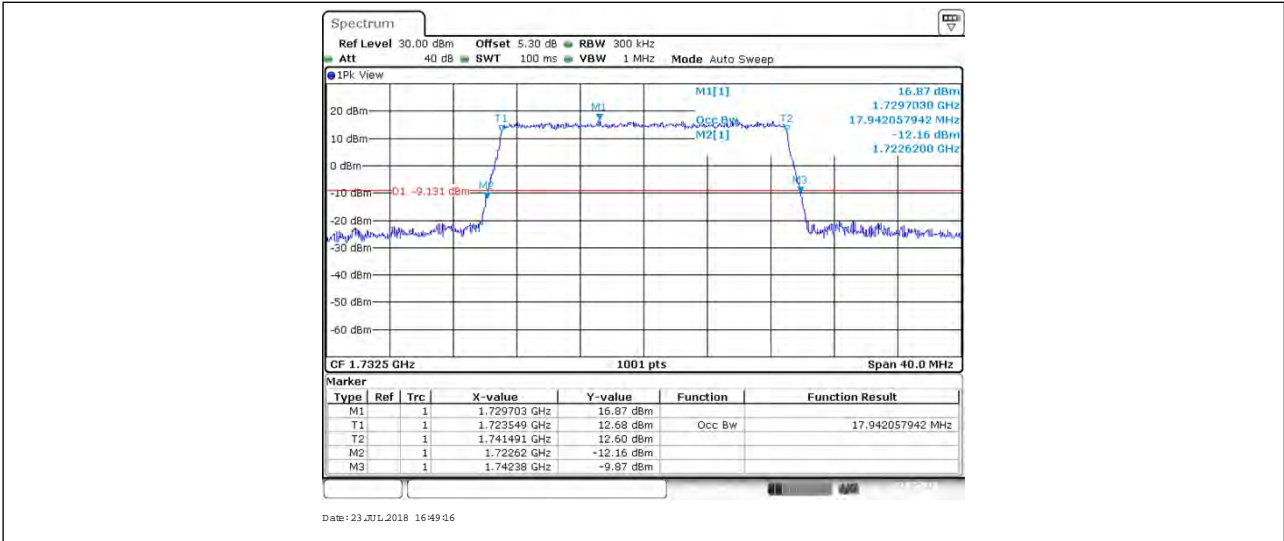
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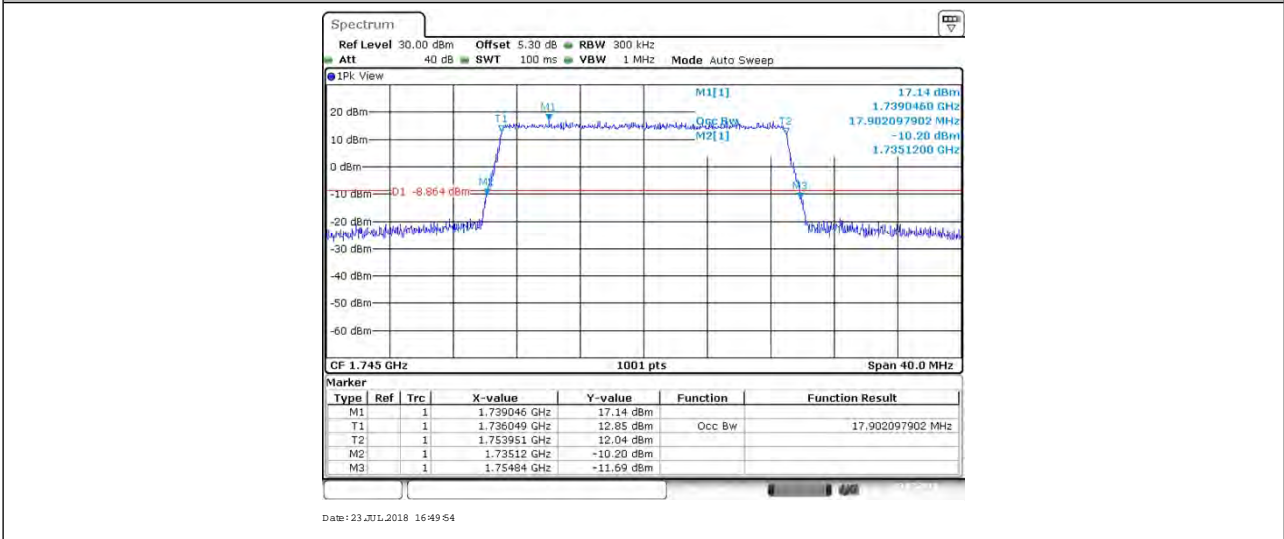
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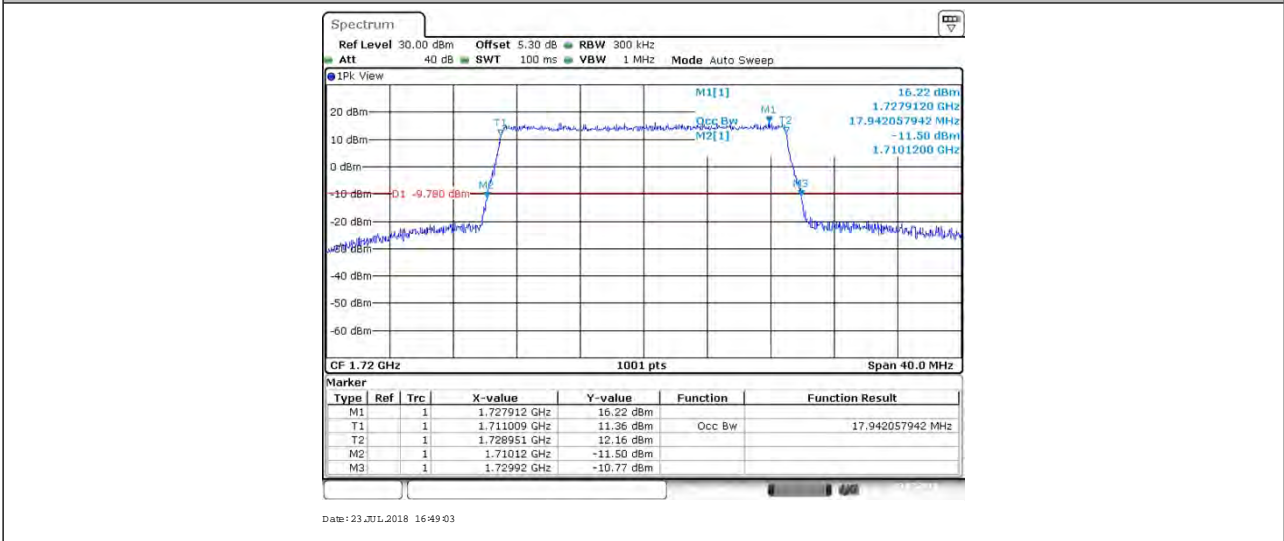
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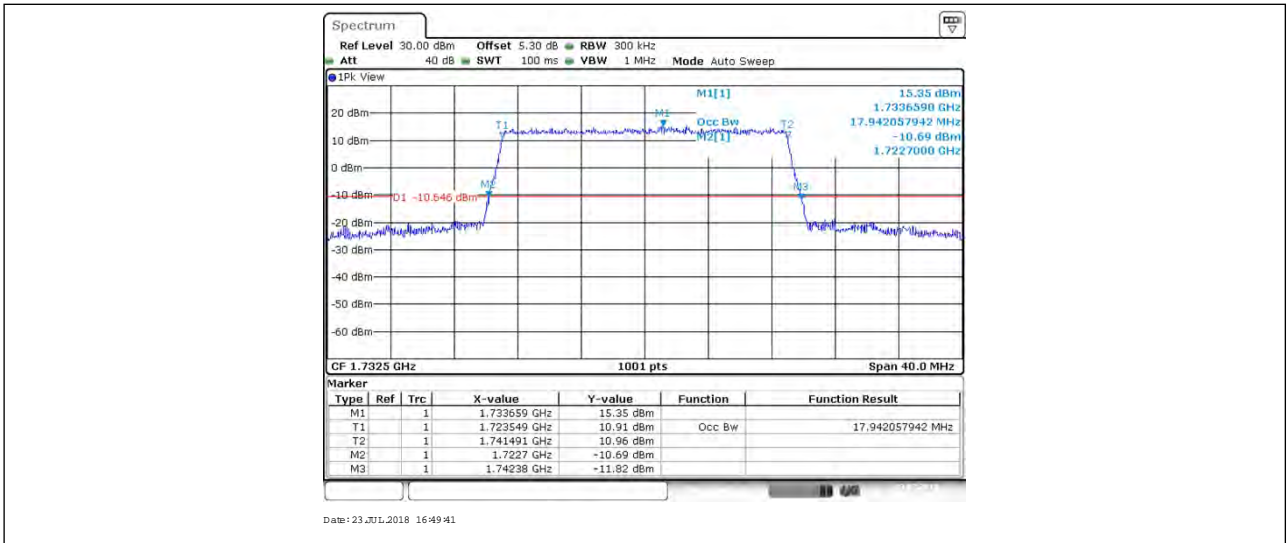
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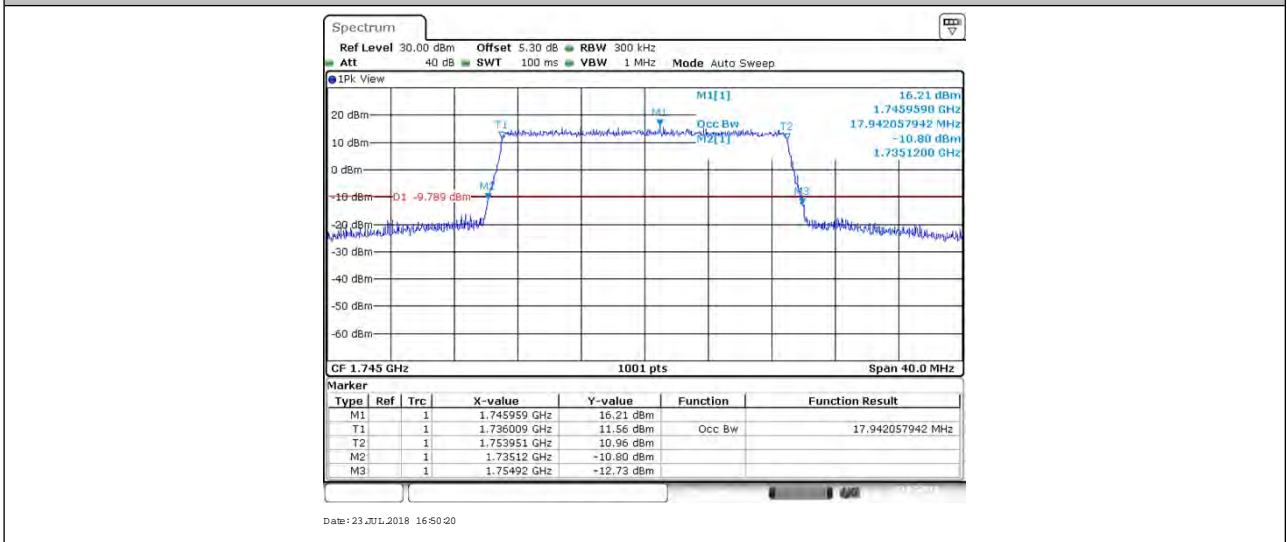
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BAND4_20MHz_64QAM_20175_100RB#0



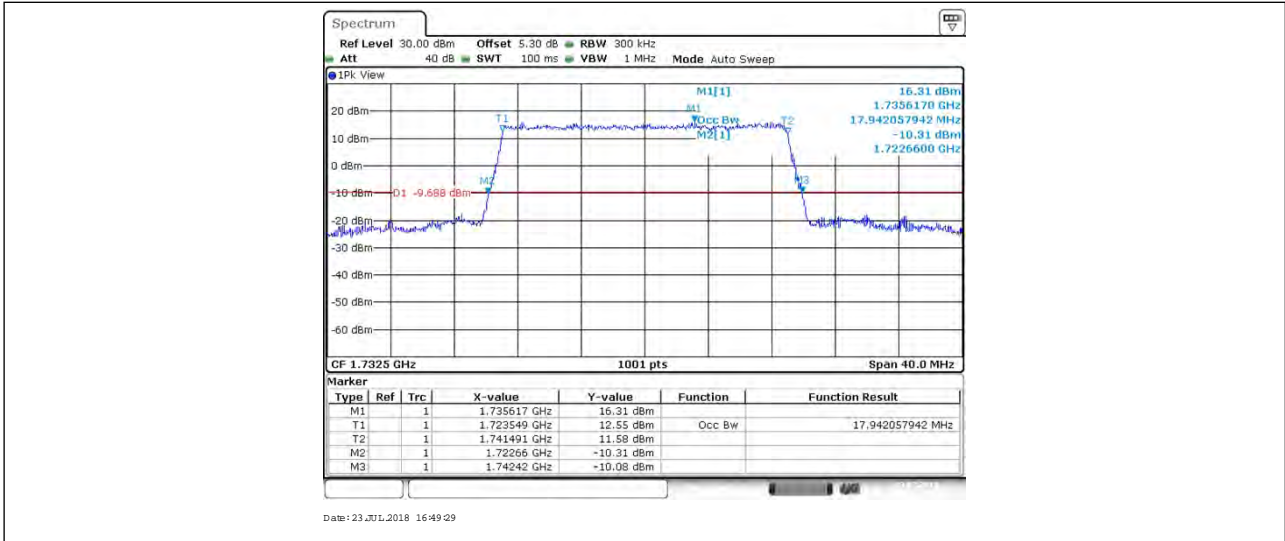
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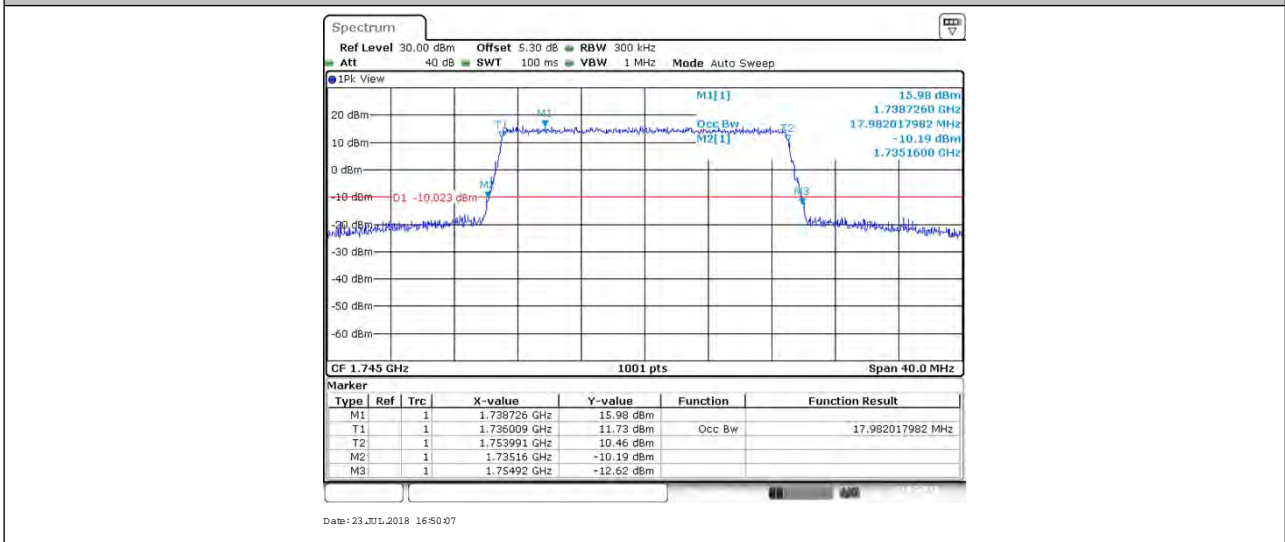
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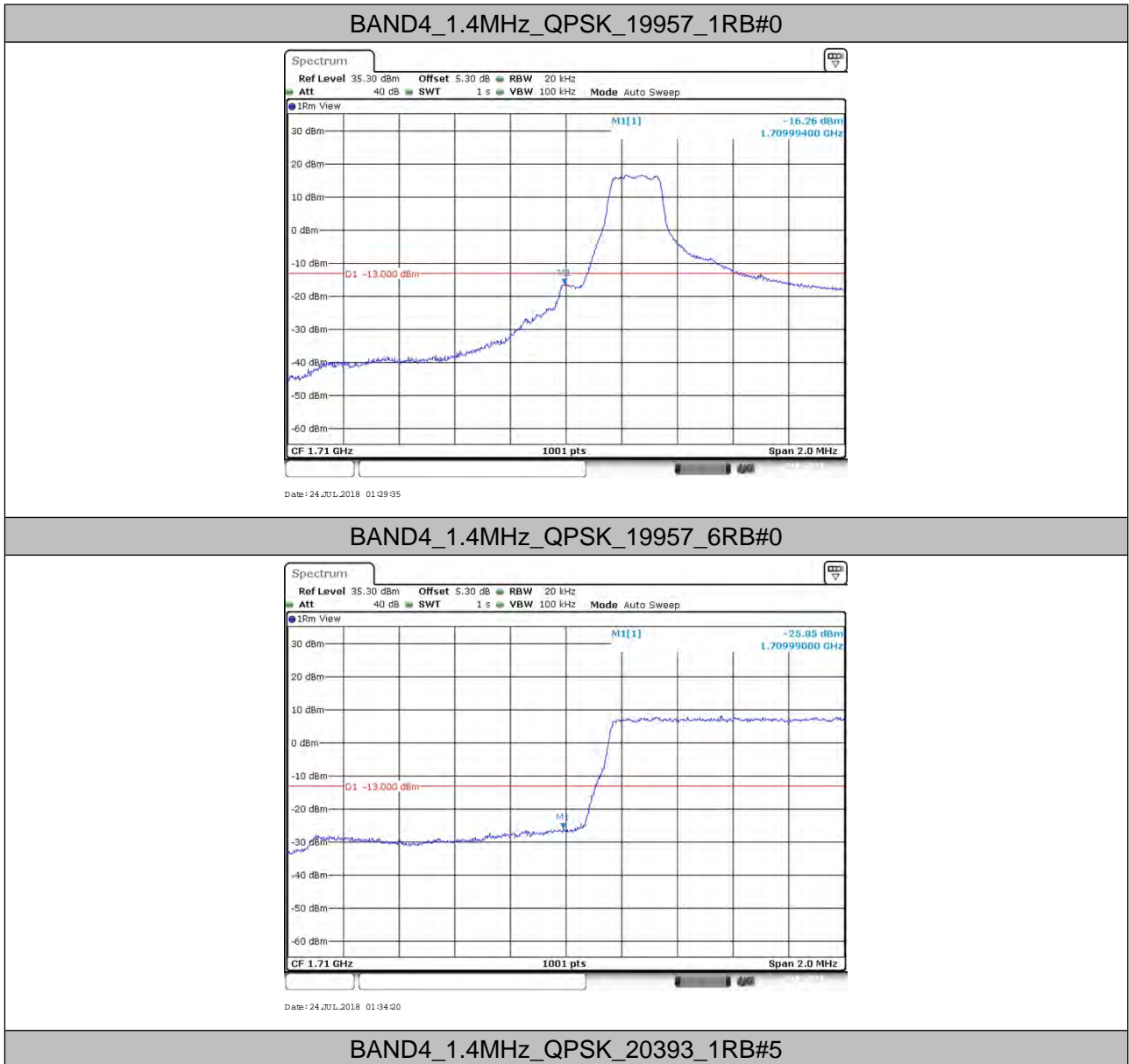
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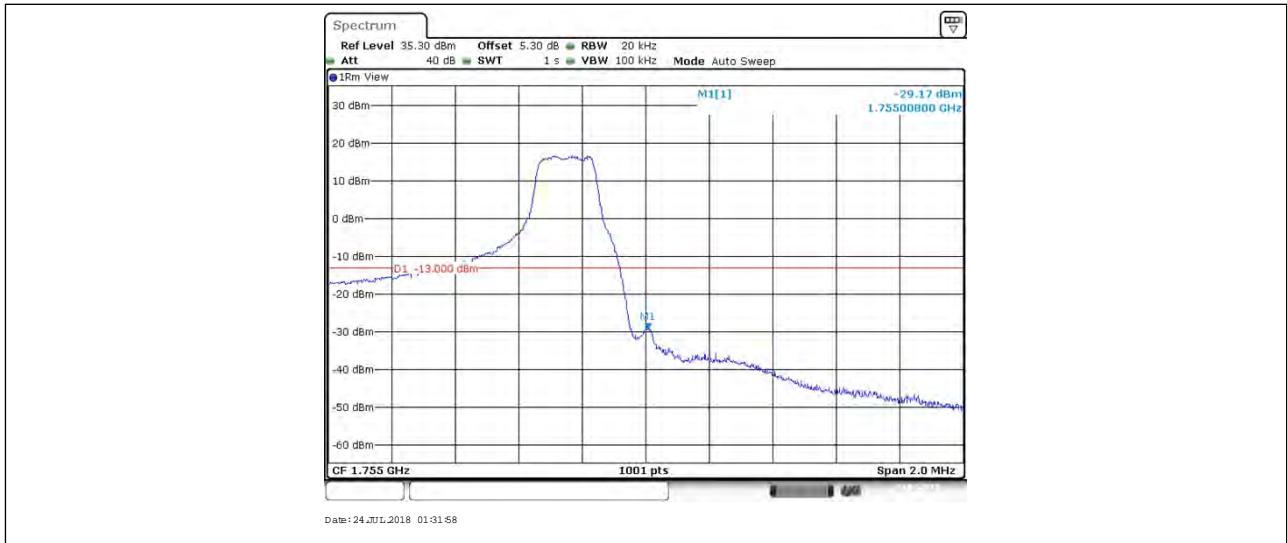




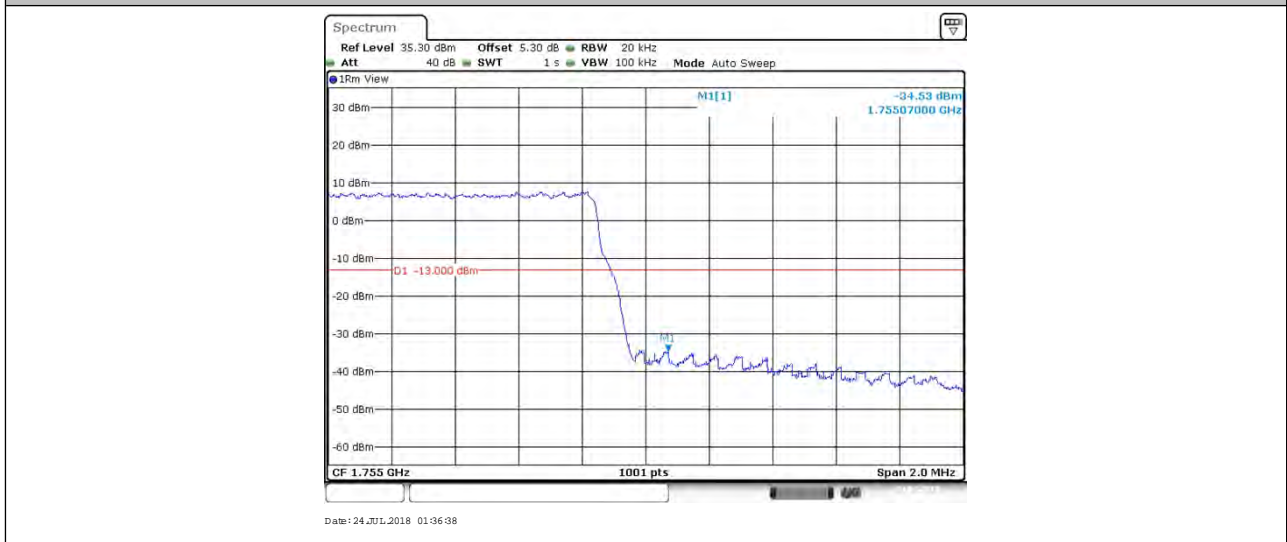
5. Band Edge Compliance

5.1. Test Plots

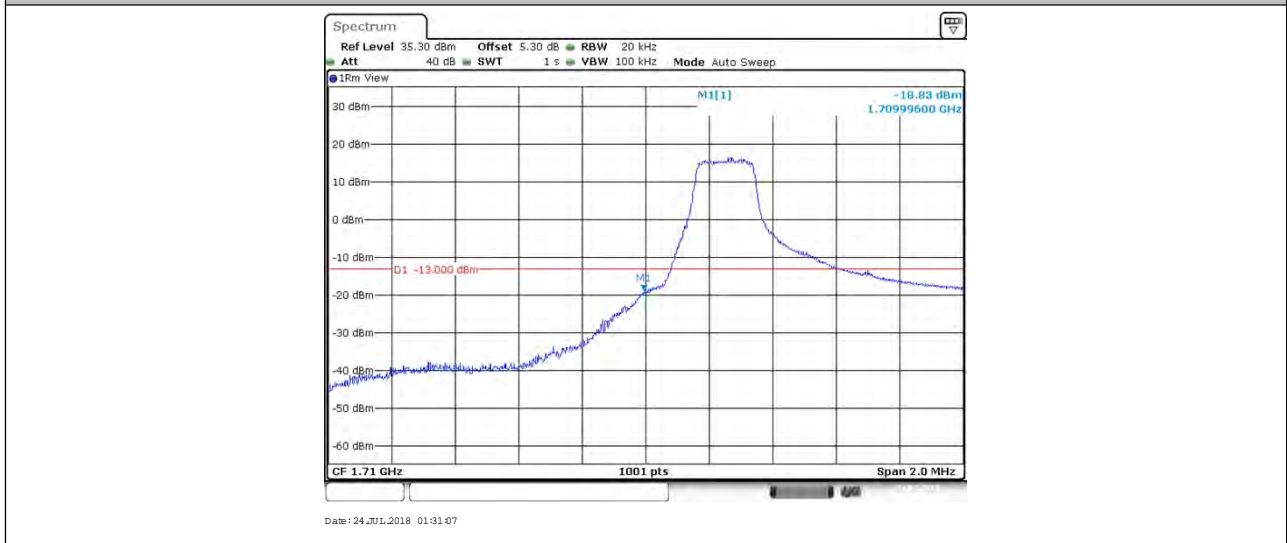




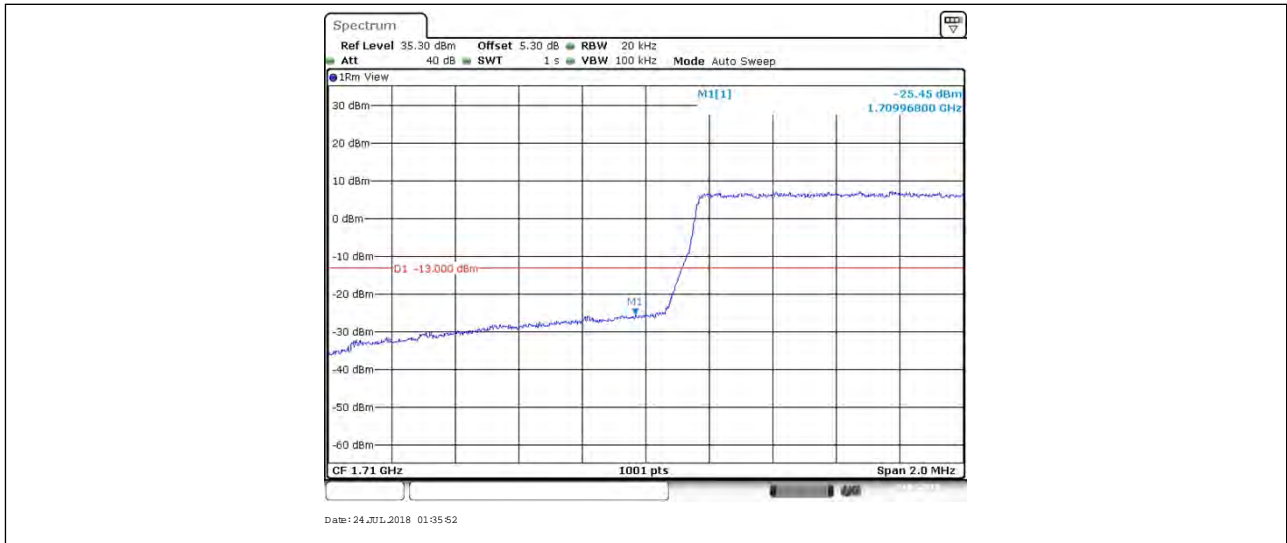
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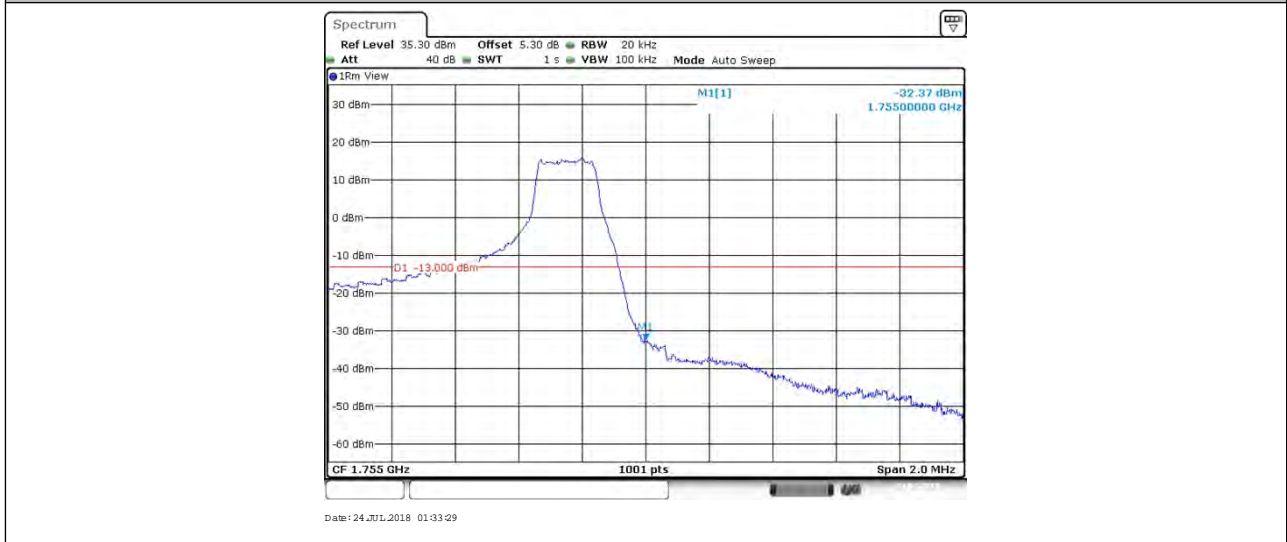
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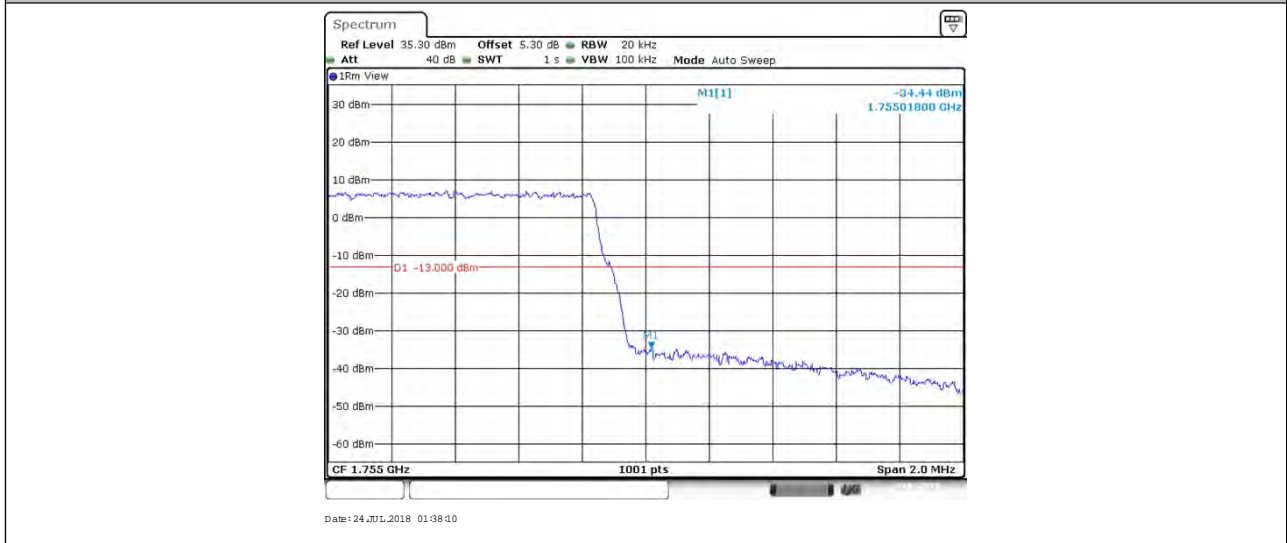
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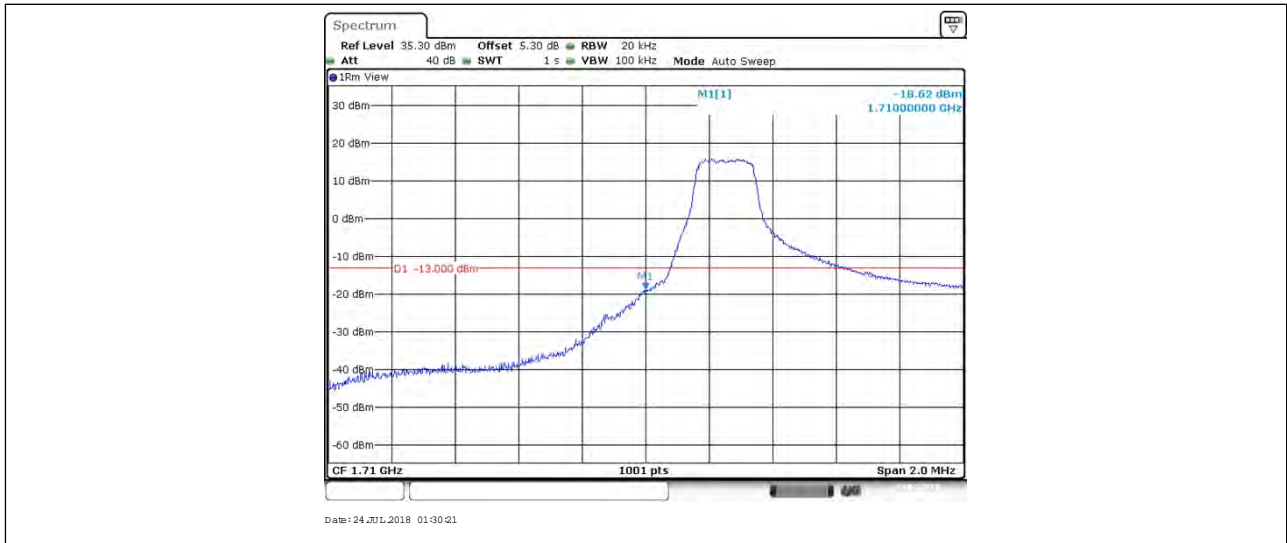
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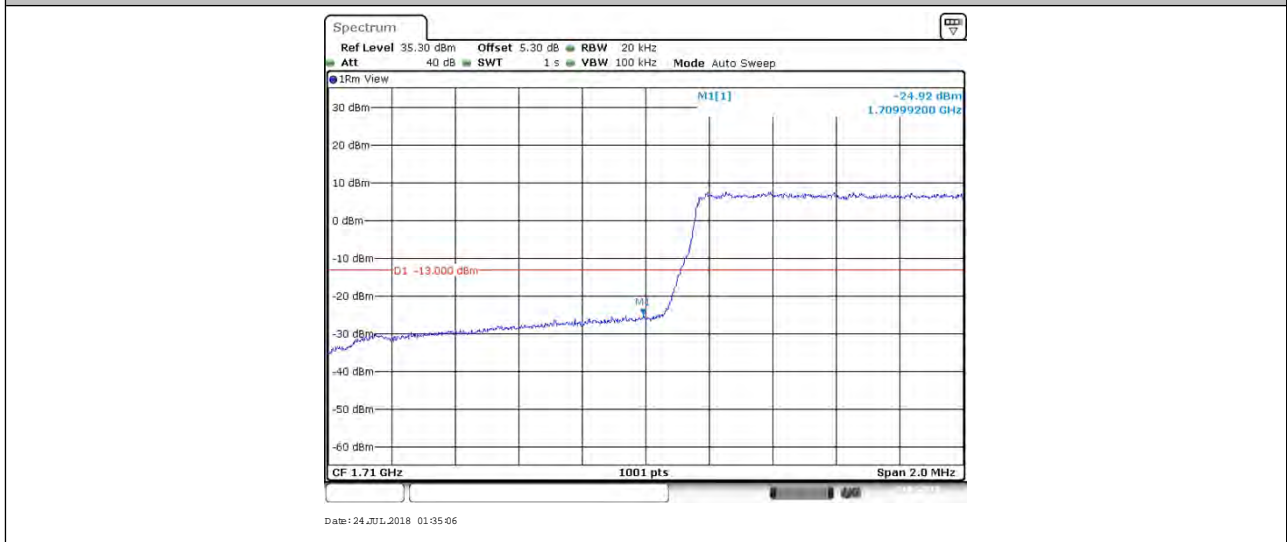
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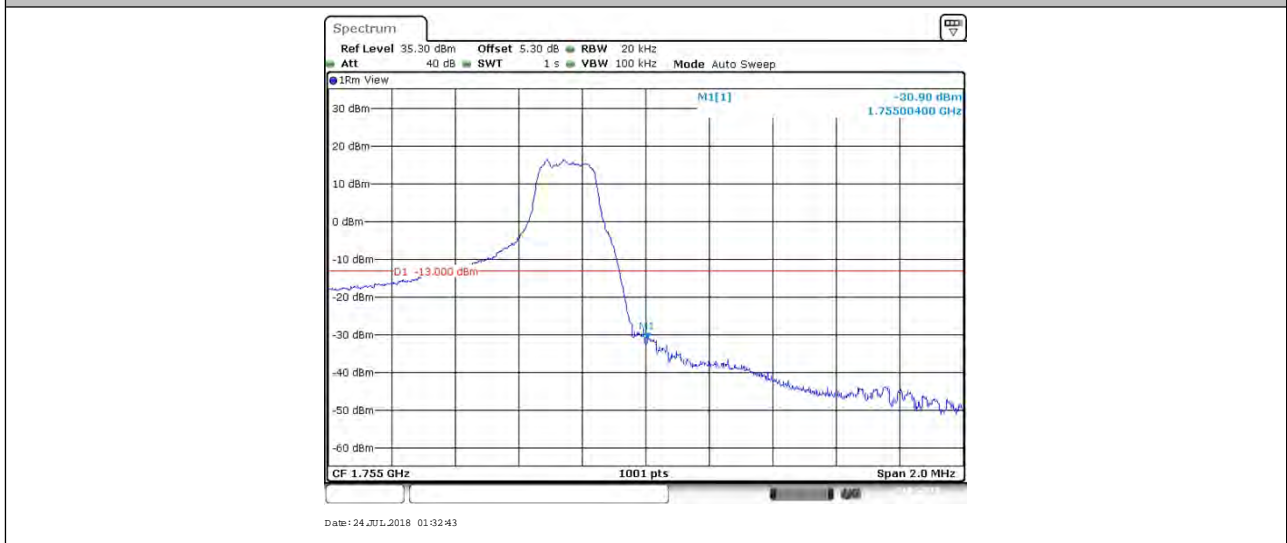
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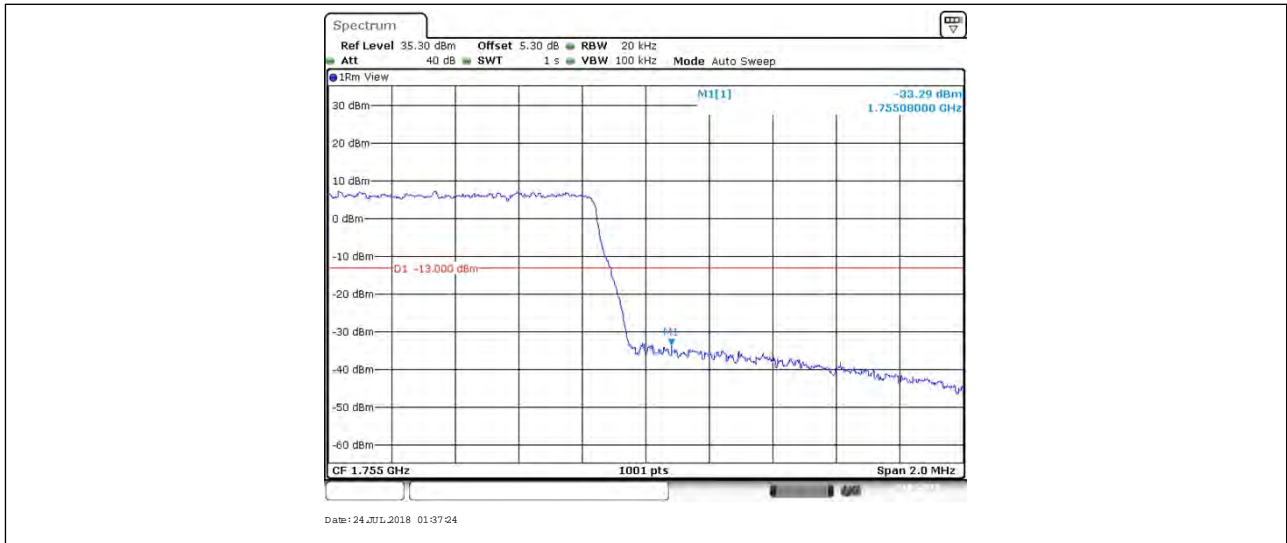
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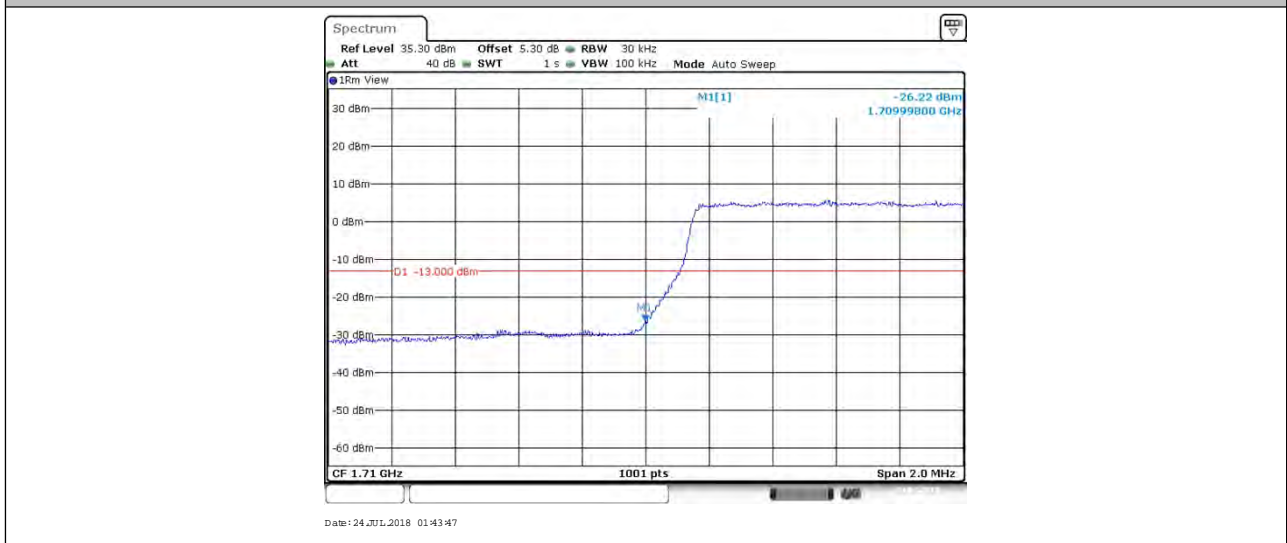
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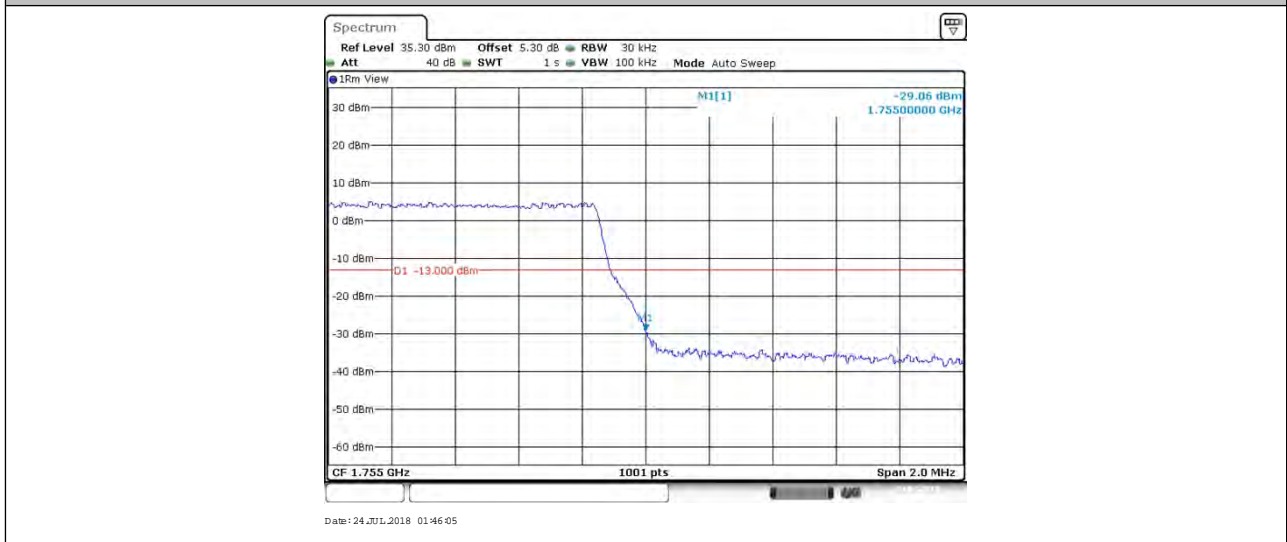
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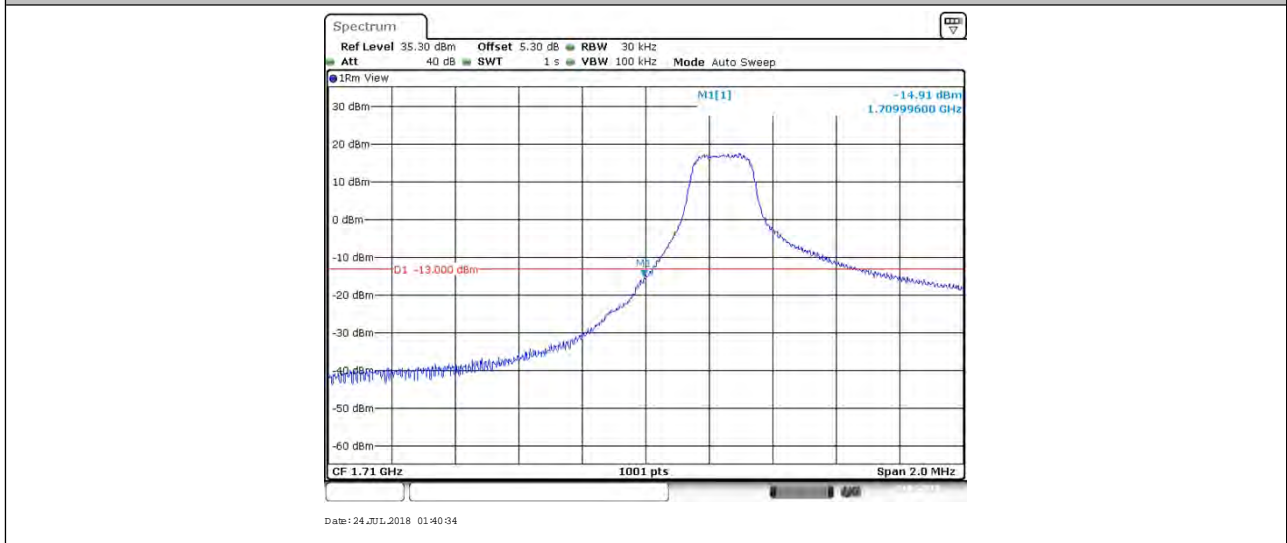
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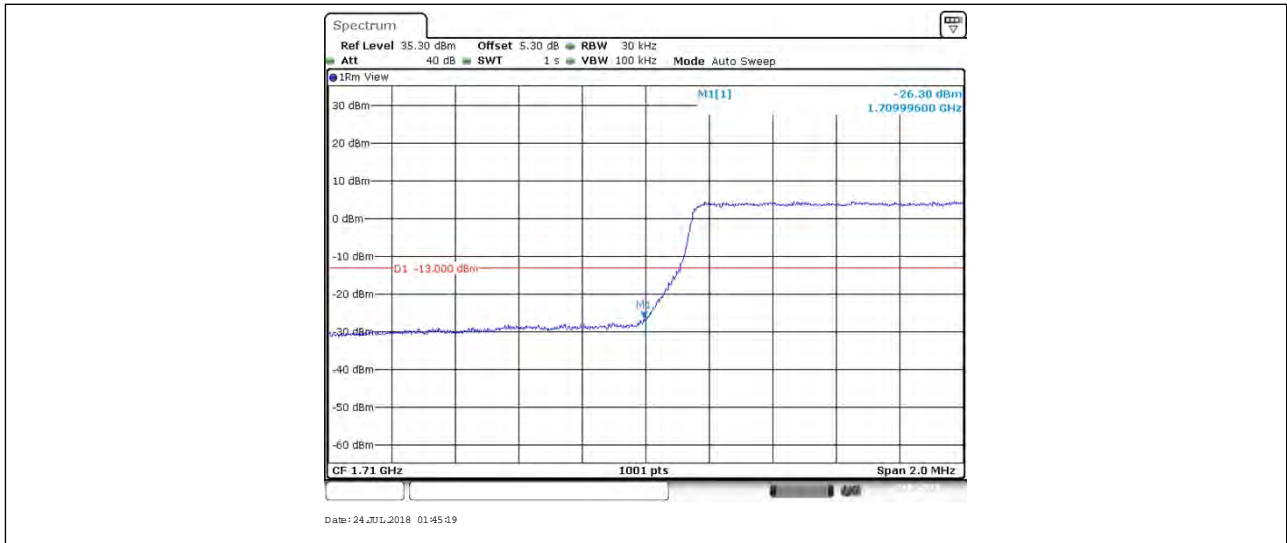
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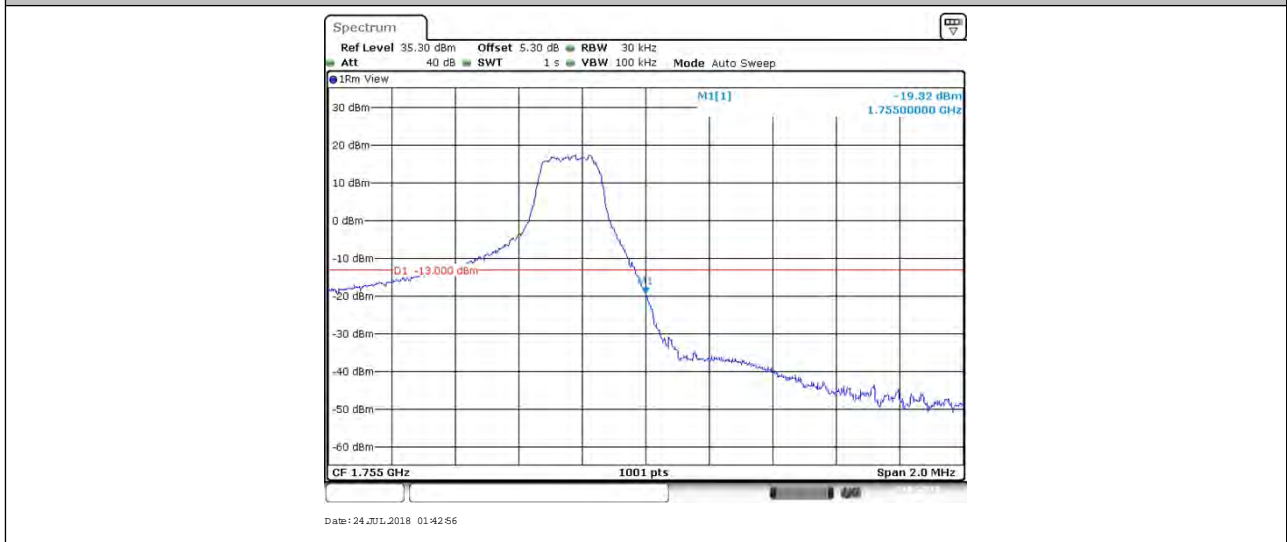
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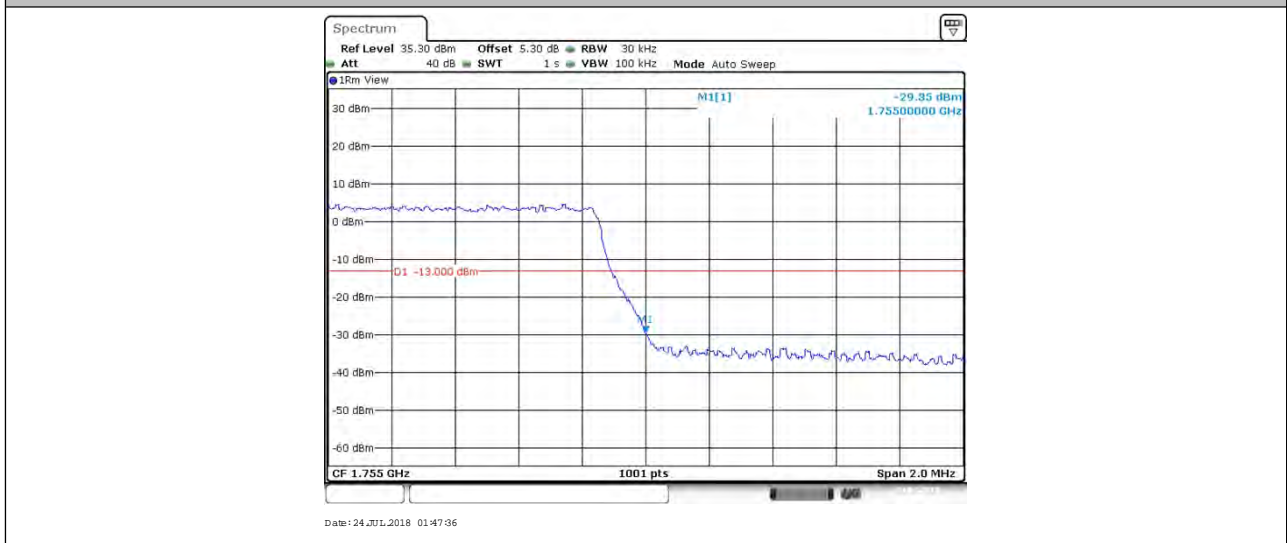
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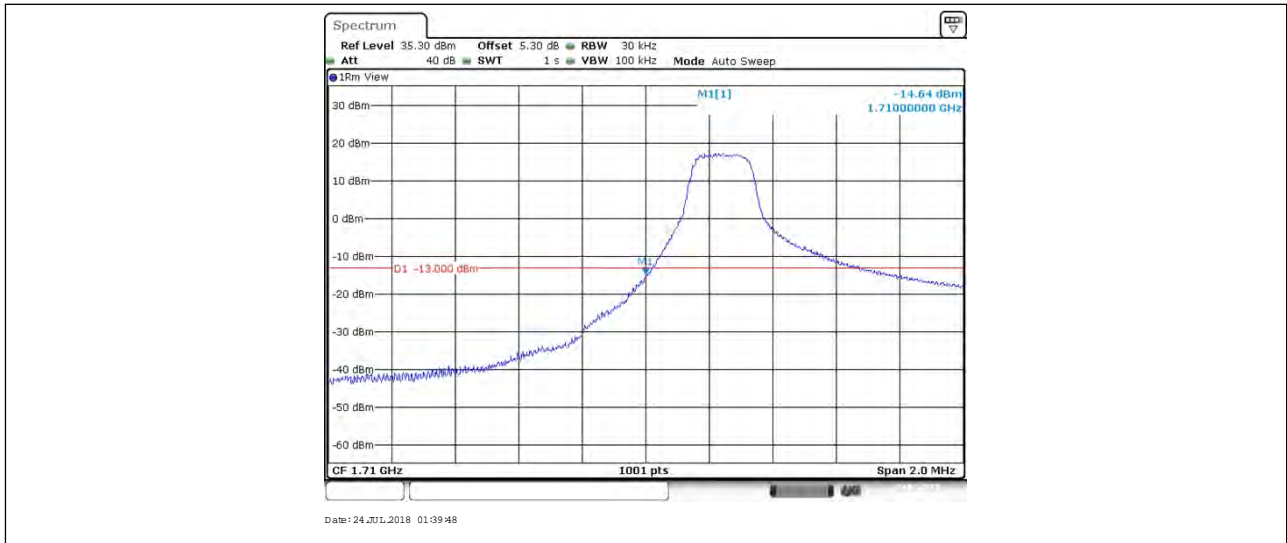
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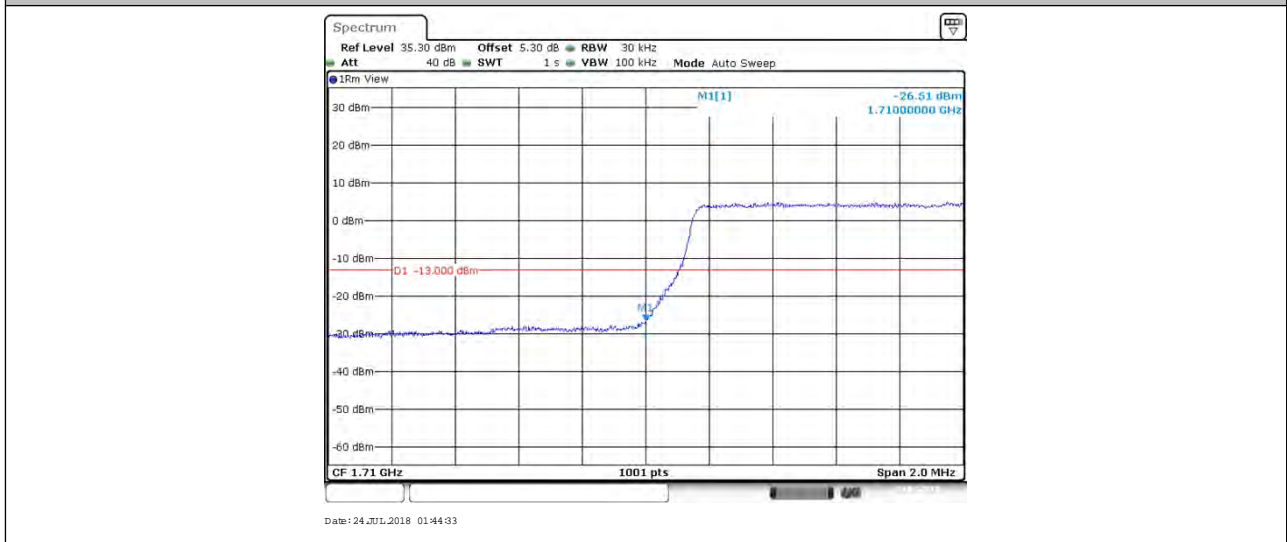
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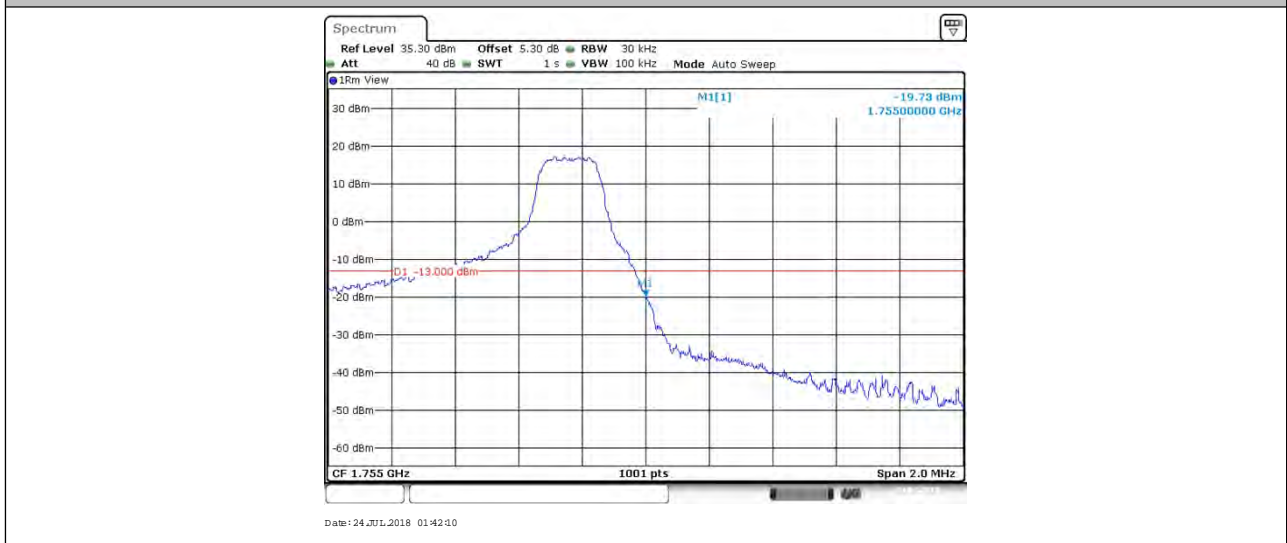
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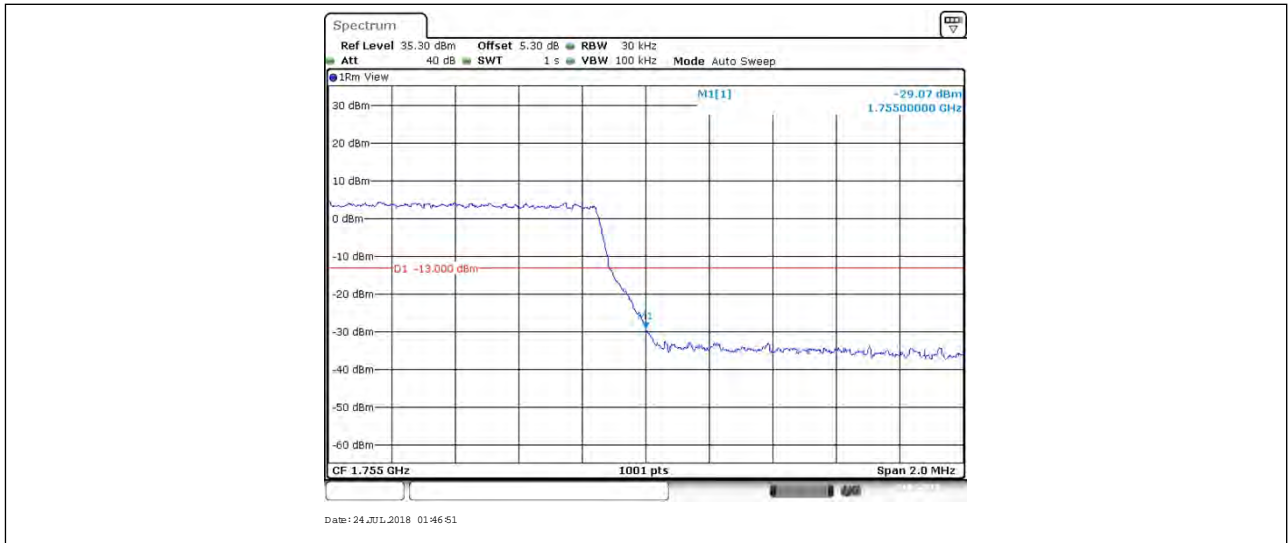
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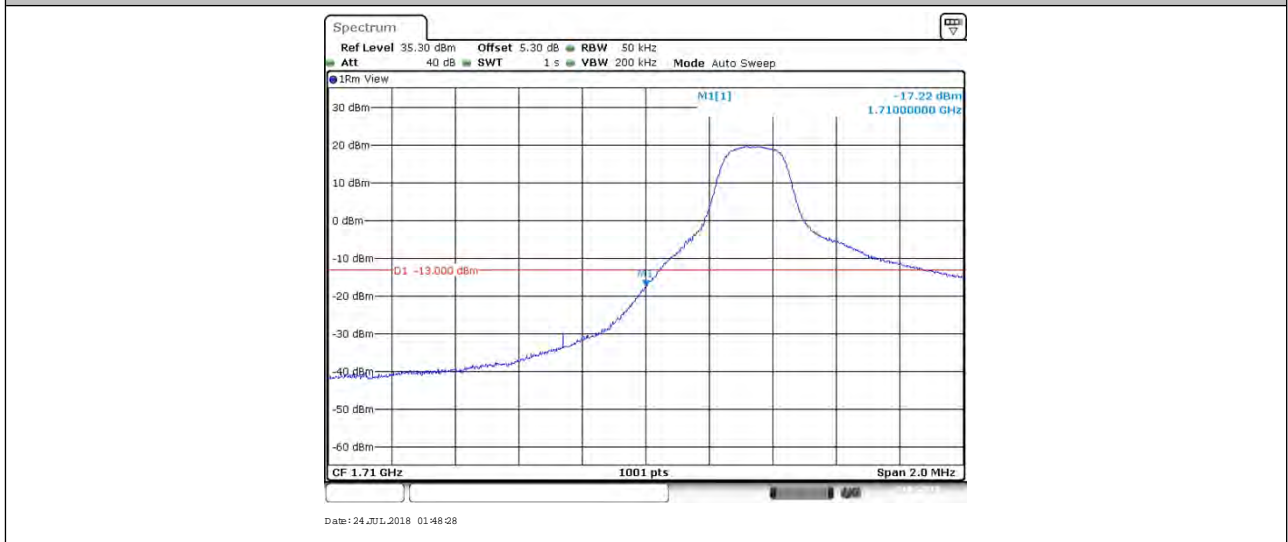
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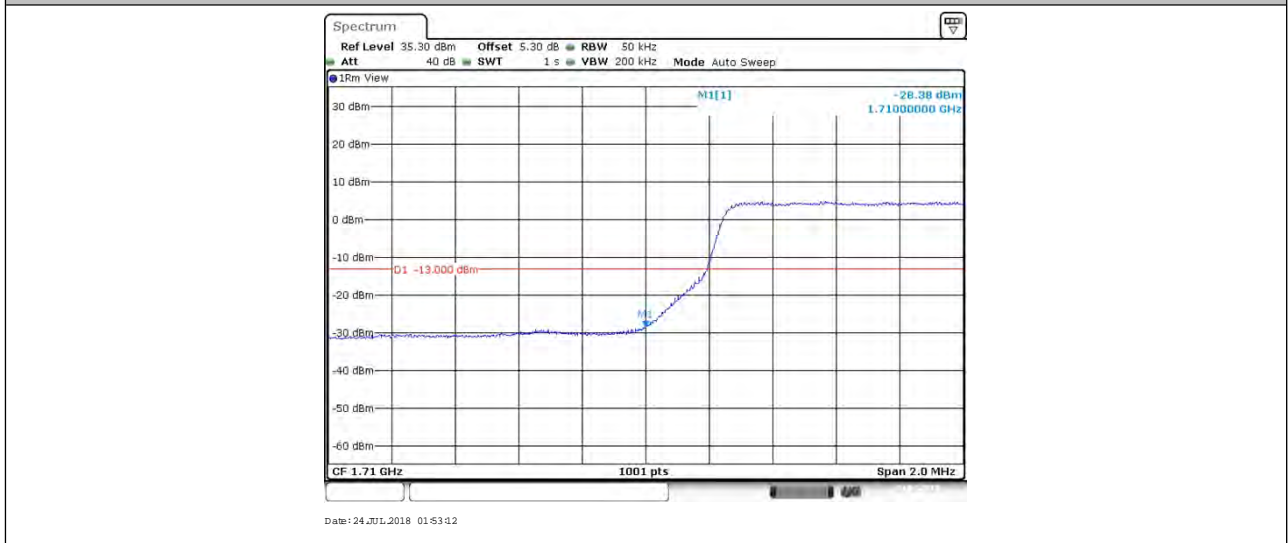
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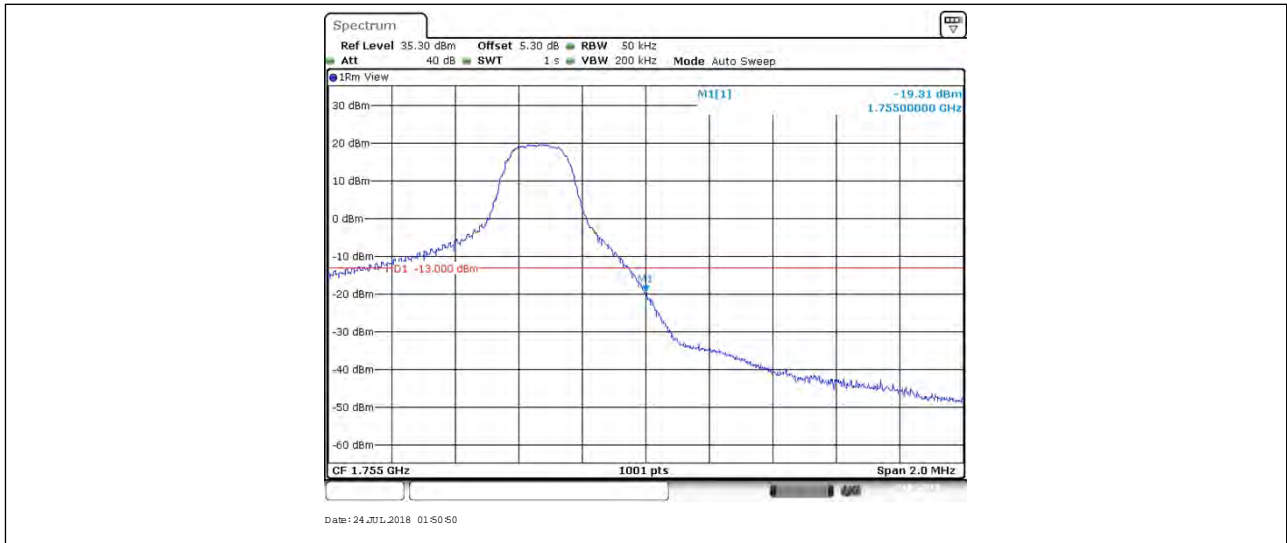
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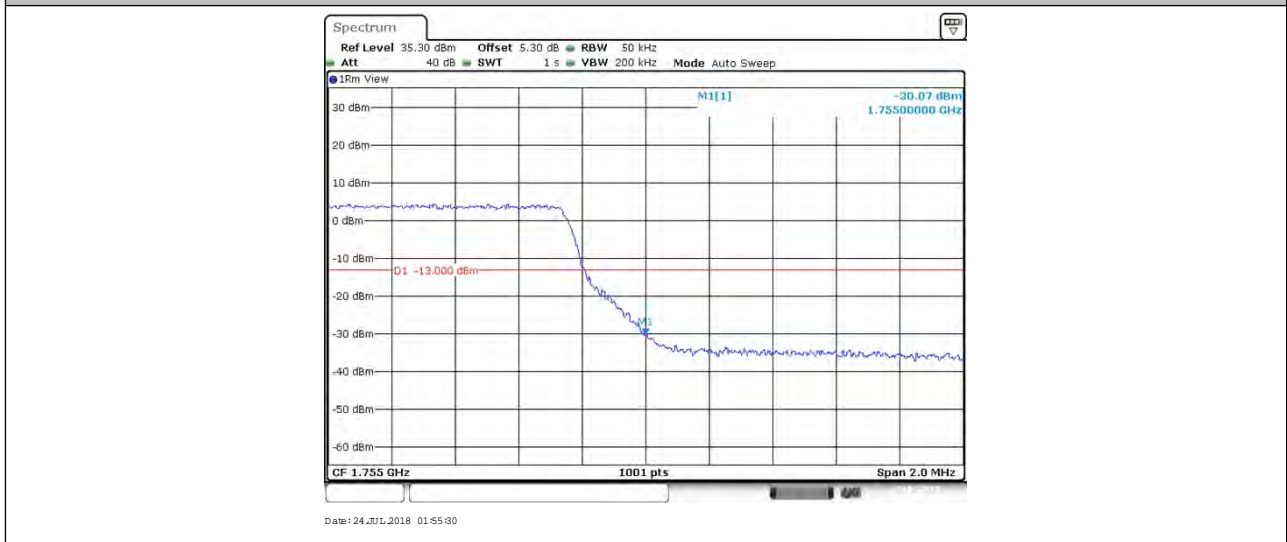
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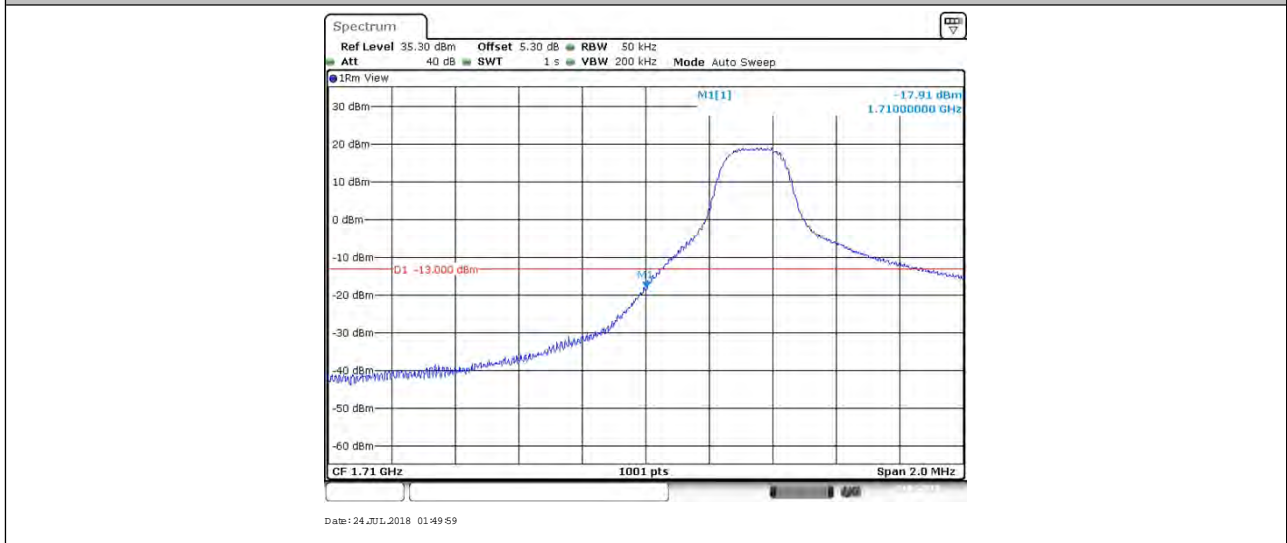
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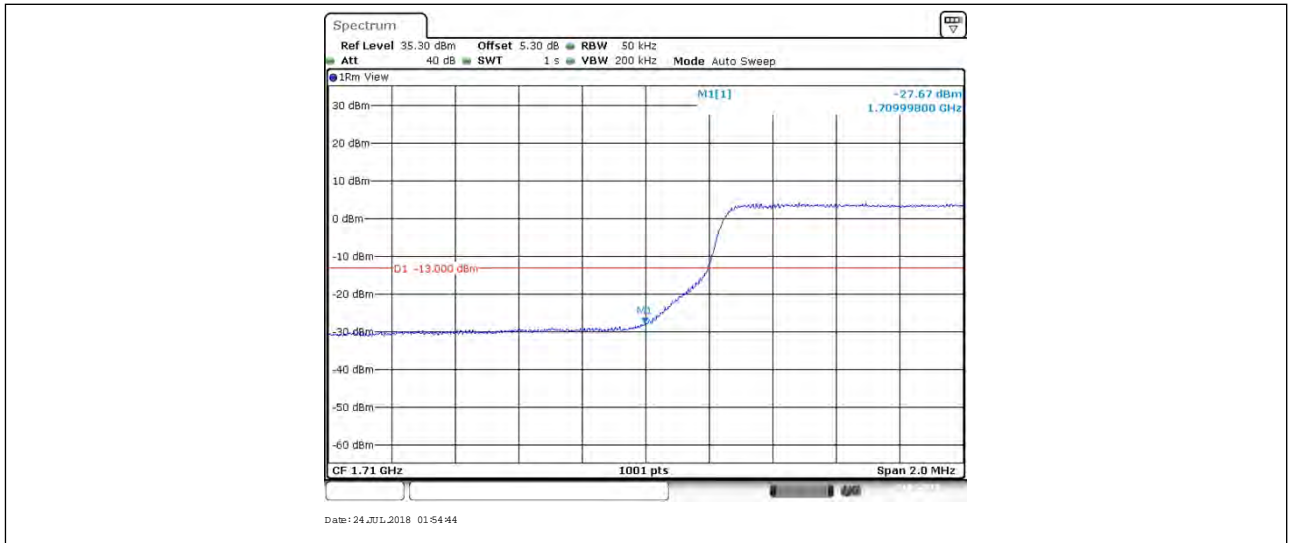
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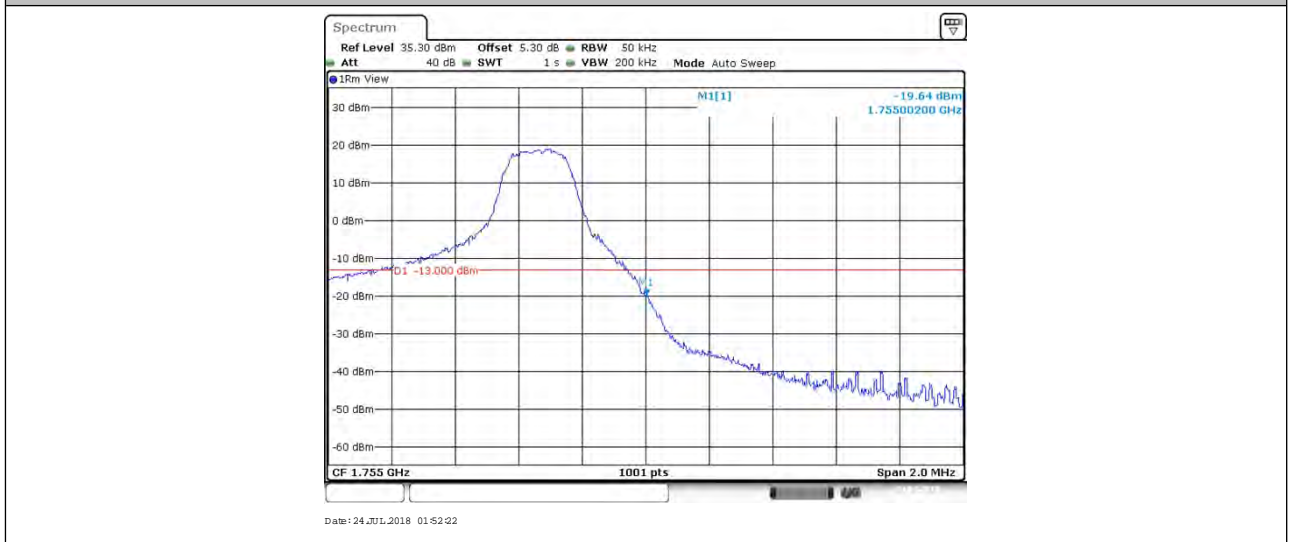
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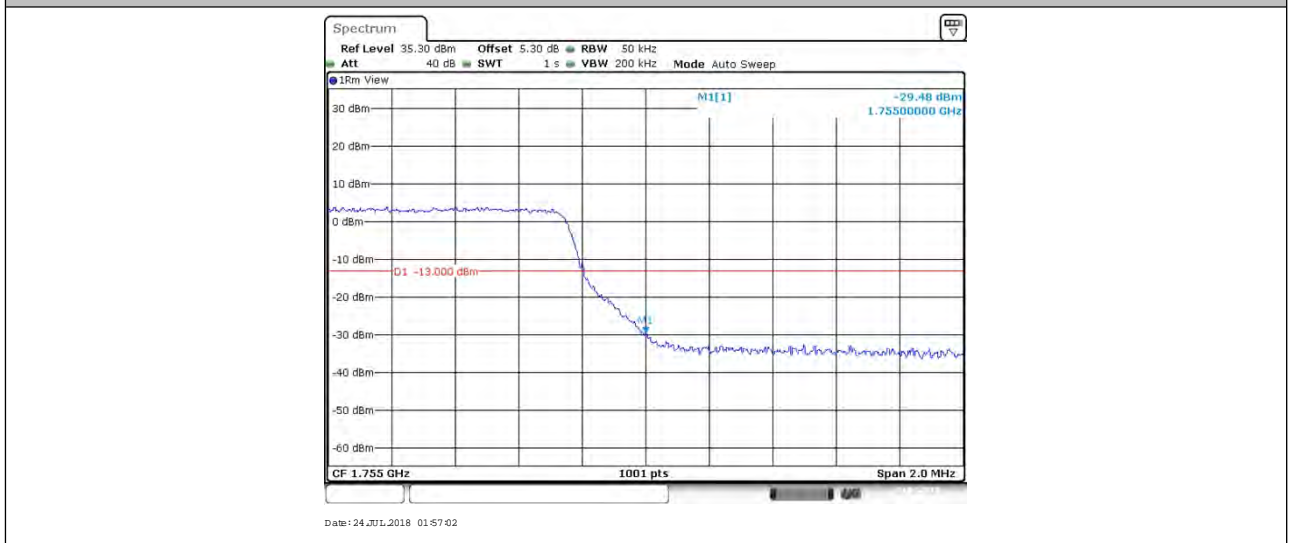
BAND4_5MHz_64QAM_19975_25RB#0



BAND4_5MHz_64QAM_20375_1RB#24



BAND4_5MHz_64QAM_20375_25RB#0



BAND4_5MHz_16QAM_19975_1RB#0