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	Conducted Power(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	22.69	20.39	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	22.57	20.27	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	22.53	20.23	30	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	22.66	20.36	30	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	22.66	20.36	30	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	22.59	20.29	30	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	21.59	19.29	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	22.77	20.47	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	22.72	20.42	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	22.56	20.26	30	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	22.63	20.33	30	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	22.76	20.46	30	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	22.62	20.32	30	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	21.66	19.36	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	22.59	20.29	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	22.52	20.22	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	22.45	20.15	30	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	22.49	20.19	30	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	22.56	20.26	30	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	22.52	20.22	30	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	21.51	19.21	30	PASS
Band4	1.4MHz	64QAM	19957	1RB#0	20.70	18.40	30	PASS
Band4	1.4MHz	64QAM	19957	1RB#2	20.81	18.51	30	PASS
Band4	1.4MHz	64QAM	19957	1RB#5	20.80	18.50	30	PASS
Band4	1.4MHz	64QAM	19957	3RB#0	20.49	18.19	30	PASS
Band4	1.4MHz	64QAM	19957	3RB#1	20.56	18.26	30	PASS
Band4	1.4MHz	64QAM	19957	3RB#3	20.46	18.16	30	PASS

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Band4	1.4MHz	64QAM	19957	6RB#0	19.56	17.26	30	PASS
Band4	1.4MHz	64QAM	20175	1RB#0	20.82	18.52	30	PASS
Band4	1.4MHz	64QAM	20175	1RB#2	20.89	18.59	30	PASS
Band4	1.4MHz	64QAM	20175	1RB#5	20.83	18.53	30	PASS
Band4	1.4MHz	64QAM	20175	3RB#0	20.57	18.27	30	PASS
Band4	1.4MHz	64QAM	20175	3RB#1	20.57	18.27	30	PASS
Band4	1.4MHz	64QAM	20175	3RB#3	20.53	18.23	30	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	19.62	17.32	30	PASS
Band4	1.4MHz	64QAM	20393	1RB#0	20.70	18.40	30	PASS
Band4	1.4MHz	64QAM	20393	1RB#2	20.77	18.47	30	PASS
Band4	1.4MHz	64QAM	20393	1RB#5	20.65	18.35	30	PASS
Band4	1.4MHz	64QAM	20393	3RB#0	20.47	18.17	30	PASS
Band4	1.4MHz	64QAM	20393	3RB#1	20.44	18.14	30	PASS
Band4	1.4MHz	64QAM	20393	3RB#3	20.34	18.04	30	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	19.46	17.16	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	21.88	19.58	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	21.95	19.65	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	21.93	19.63	30	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	21.62	19.32	30	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	21.67	19.37	30	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	21.57	19.27	30	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	20.71	18.41	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	21.97	19.67	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	22.01	19.71	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	21.97	19.67	30	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	21.67	19.37	30	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	21.69	19.39	30	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	21.64	19.34	30	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	20.74	18.44	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	21.82	19.52	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	21.88	19.58	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	21.80	19.50	30	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	21.57	19.27	30	PASS

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Band4	1.4MHz	16QAM	20393	3RB#1	21.54	19.24	30	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	21.48	19.18	30	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	20.57	18.27	30	PASS
Band4	3MHz	QPSK	19965	1RB#0	22.81	20.51	30	PASS
Band4	3MHz	QPSK	19965	1RB#8	22.65	20.35	30	PASS
Band4	3MHz	QPSK	19965	1RB#14	22.57	20.27	30	PASS
Band4	3MHz	QPSK	19965	8RB#0	21.71	19.41	30	PASS
Band4	3MHz	QPSK	19965	8RB#4	21.71	19.41	30	PASS
Band4	3MHz	QPSK	19965	8RB#7	21.65	19.35	30	PASS
Band4	3MHz	QPSK	19965	15RB#0	21.63	19.33	30	PASS
Band4	3MHz	QPSK	20175	1RB#0	22.95	20.65	30	PASS
Band4	3MHz	QPSK	20175	1RB#8	22.74	20.44	30	PASS
Band4	3MHz	QPSK	20175	1RB#14	22.69	20.39	30	PASS
Band4	3MHz	QPSK	20175	8RB#0	21.73	19.43	30	PASS
Band4	3MHz	QPSK	20175	8RB#4	21.74	19.44	30	PASS
Band4	3MHz	QPSK	20175	8RB#7	21.70	19.40	30	PASS
Band4	3MHz	QPSK	20175	15RB#0	21.68	19.38	30	PASS
Band4	3MHz	QPSK	20385	1RB#0	22.68	20.38	30	PASS
Band4	3MHz	QPSK	20385	1RB#8	22.62	20.32	30	PASS
Band4	3MHz	QPSK	20385	1RB#14	22.51	20.21	30	PASS
Band4	3MHz	QPSK	20385	8RB#0	21.58	19.28	30	PASS
Band4	3MHz	QPSK	20385	8RB#4	21.58	19.28	30	PASS
Band4	3MHz	QPSK	20385	8RB#7	21.56	19.26	30	PASS
Band4	3MHz	QPSK	20385	15RB#0	21.55	19.25	30	PASS
Band4	3MHz	64QAM	19965	1RB#0	20.78	18.48	30	PASS
Band4	3MHz	64QAM	19965	1RB#8	20.80	18.50	30	PASS
Band4	3MHz	64QAM	19965	1RB#14	20.82	18.52	30	PASS
Band4	3MHz	64QAM	19965	8RB#0	20.48	18.18	30	PASS
Band4	3MHz	64QAM	19965	8RB#4	20.57	18.27	30	PASS
Band4	3MHz	64QAM	19965	8RB#7	20.42	18.12	30	PASS
Band4	3MHz	64QAM	19965	15RB#0	19.56	17.26	30	PASS
Band4	3MHz	64QAM	20175	1RB#0	20.82	18.52	30	PASS
Band4	3MHz	64QAM	20175	1RB#8	20.91	18.61	30	PASS

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Band4	3MHz	64QAM	20175	1RB#14	20.84	18.54	30	PASS
Band4	3MHz	64QAM	20175	8RB#0	20.54	18.24	30	PASS
Band4	3MHz	64QAM	20175	8RB#4	20.56	18.26	30	PASS
Band4	3MHz	64QAM	20175	8RB#7	20.50	18.20	30	PASS
Band4	3MHz	64QAM	20175	15RB#0	19.61	17.31	30	PASS
Band4	3MHz	64QAM	20385	1RB#0	20.71	18.41	30	PASS
Band4	3MHz	64QAM	20385	1RB#8	20.74	18.44	30	PASS
Band4	3MHz	64QAM	20385	1RB#14	20.68	18.38	30	PASS
Band4	3MHz	64QAM	20385	8RB#0	20.45	18.15	30	PASS
Band4	3MHz	64QAM	20385	8RB#4	20.41	18.11	30	PASS
Band4	3MHz	64QAM	20385	8RB#7	20.33	18.03	30	PASS
Band4	3MHz	64QAM	20385	15RB#0	19.43	17.13	30	PASS
Band4	3MHz	16QAM	19965	1RB#0	22.07	19.77	30	PASS
Band4	3MHz	16QAM	19965	1RB#8	21.95	19.65	30	PASS
Band4	3MHz	16QAM	19965	1RB#14	21.91	19.61	30	PASS
Band4	3MHz	16QAM	19965	8RB#0	20.74	18.44	30	PASS
Band4	3MHz	16QAM	19965	8RB#4	20.72	18.42	30	PASS
Band4	3MHz	16QAM	19965	8RB#7	20.67	18.37	30	PASS
Band4	3MHz	16QAM	19965	15RB#0	20.72	18.42	30	PASS
Band4	3MHz	16QAM	20175	1RB#0	22.04	19.74	30	PASS
Band4	3MHz	16QAM	20175	1RB#8	21.98	19.68	30	PASS
Band4	3MHz	16QAM	20175	1RB#14	21.99	19.69	30	PASS
Band4	3MHz	16QAM	20175	8RB#0	20.80	18.50	30	PASS
Band4	3MHz	16QAM	20175	8RB#4	20.81	18.51	30	PASS
Band4	3MHz	16QAM	20175	8RB#7	20.74	18.44	30	PASS
Band4	3MHz	16QAM	20175	15RB#0	20.72	18.42	30	PASS
Band4	3MHz	16QAM	20385	1RB#0	21.98	19.68	30	PASS
Band4	3MHz	16QAM	20385	1RB#8	21.90	19.60	30	PASS
Band4	3MHz	16QAM	20385	1RB#14	21.80	19.50	30	PASS
Band4	3MHz	16QAM	20385	8RB#0	20.65	18.35	30	PASS
Band4	3MHz	16QAM	20385	8RB#4	20.66	18.36	30	PASS
Band4	3MHz	16QAM	20385	8RB#7	20.59	18.29	30	PASS
Band4	3MHz	16QAM	20385	15RB#0	20.59	18.29	30	PASS

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Band4	5MHz	QPSK	19975	1RB#0	22.88	20.58	30	PASS
Band4	5MHz	QPSK	19975	1RB#12	22.70	20.40	30	PASS
Band4	5MHz	QPSK	19975	1RB#24	22.58	20.28	30	PASS
Band4	5MHz	QPSK	19975	12RB#0	21.74	19.44	30	PASS
Band4	5MHz	QPSK	19975	12RB#6	21.65	19.35	30	PASS
Band4	5MHz	QPSK	19975	12RB#13	21.60	19.30	30	PASS
Band4	5MHz	QPSK	19975	25RB#0	21.69	19.39	30	PASS
Band4	5MHz	QPSK	20175	1RB#0	22.98	20.68	30	PASS
Band4	5MHz	QPSK	20175	1RB#12	22.73	20.43	30	PASS
Band4	5MHz	QPSK	20175	1RB#24	22.63	20.33	30	PASS
Band4	5MHz	QPSK	20175	12RB#0	21.79	19.49	30	PASS
Band4	5MHz	QPSK	20175	12RB#6	21.74	19.44	30	PASS
Band4	5MHz	QPSK	20175	12RB#13	21.67	19.37	30	PASS
Band4	5MHz	QPSK	20175	25RB#0	21.74	19.44	30	PASS
Band4	5MHz	QPSK	20375	1RB#0	22.77	20.47	30	PASS
Band4	5MHz	QPSK	20375	1RB#12	22.55	20.25	30	PASS
Band4	5MHz	QPSK	20375	1RB#24	22.55	20.25	30	PASS
Band4	5MHz	QPSK	20375	12RB#0	21.63	19.33	30	PASS
Band4	5MHz	QPSK	20375	12RB#6	21.58	19.28	30	PASS
Band4	5MHz	QPSK	20375	12RB#13	21.56	19.26	30	PASS
Band4	5MHz	QPSK	20375	25RB#0	21.60	19.30	30	PASS
Band4	5MHz	64QAM	19975	1RB#0	20.69	18.39	30	PASS
Band4	5MHz	64QAM	19975	1RB#12	20.82	18.52	30	PASS
Band4	5MHz	64QAM	19975	1RB#24	20.82	18.52	30	PASS
Band4	5MHz	64QAM	19975	12RB#0	20.44	18.14	30	PASS
Band4	5MHz	64QAM	19975	12RB#6	20.54	18.24	30	PASS
Band4	5MHz	64QAM	19975	12RB#13	20.41	18.11	30	PASS
Band4	5MHz	64QAM	19975	25RB#0	19.58	17.28	30	PASS
Band4	5MHz	64QAM	20175	1RB#0	20.81	18.51	30	PASS
Band4	5MHz	64QAM	20175	1RB#12	20.85	18.55	30	PASS
Band4	5MHz	64QAM	20175	1RB#24	20.84	18.54	30	PASS
Band4	5MHz	64QAM	20175	12RB#0	20.50	18.20	30	PASS
Band4	5MHz	64QAM	20175	12RB#6	20.51	18.21	30	PASS

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Band4	5MHz	64QAM	20175	12RB#13	20.51	18.21	30	PASS
Band4	5MHz	64QAM	20175	25RB#0	19.57	17.27	30	PASS
Band4	5MHz	64QAM	20375	1RB#0	20.67	18.37	30	PASS
Band4	5MHz	64QAM	20375	1RB#12	20.78	18.48	30	PASS
Band4	5MHz	64QAM	20375	1RB#24	20.69	18.39	30	PASS
Band4	5MHz	64QAM	20375	12RB#0	20.44	18.14	30	PASS
Band4	5MHz	64QAM	20375	12RB#6	20.42	18.12	30	PASS
Band4	5MHz	64QAM	20375	12RB#13	20.35	18.05	30	PASS
Band4	5MHz	64QAM	20375	25RB#0	19.45	17.15	30	PASS
Band4	5MHz	16QAM	19975	1RB#0	22.09	19.79	30	PASS
Band4	5MHz	16QAM	19975	1RB#12	21.94	19.64	30	PASS
Band4	5MHz	16QAM	19975	1RB#24	21.89	19.59	30	PASS
Band4	5MHz	16QAM	19975	12RB#0	20.74	18.44	30	PASS
Band4	5MHz	16QAM	19975	12RB#6	20.68	18.38	30	PASS
Band4	5MHz	16QAM	19975	12RB#13	20.66	18.36	30	PASS
Band4	5MHz	16QAM	19975	25RB#0	20.71	18.41	30	PASS
Band4	5MHz	16QAM	20175	1RB#0	22.19	19.89	30	PASS
Band4	5MHz	16QAM	20175	1RB#12	22.02	19.72	30	PASS
Band4	5MHz	16QAM	20175	1RB#24	21.97	19.67	30	PASS
Band4	5MHz	16QAM	20175	12RB#0	20.79	18.49	30	PASS
Band4	5MHz	16QAM	20175	12RB#6	20.80	18.50	30	PASS
Band4	5MHz	16QAM	20175	12RB#13	20.71	18.41	30	PASS
Band4	5MHz	16QAM	20175	25RB#0	20.77	18.47	30	PASS
Band4	5MHz	16QAM	20375	1RB#0	22.00	19.70	30	PASS
Band4	5MHz	16QAM	20375	1RB#12	21.93	19.63	30	PASS
Band4	5MHz	16QAM	20375	1RB#24	21.81	19.51	30	PASS
Band4	5MHz	16QAM	20375	12RB#0	20.70	18.40	30	PASS
Band4	5MHz	16QAM	20375	12RB#6	20.61	18.31	30	PASS
Band4	5MHz	16QAM	20375	12RB#13	20.61	18.31	30	PASS
Band4	5MHz	16QAM	20375	25RB#0	20.61	18.31	30	PASS
Band4	10MHz	QPSK	20000	1RB#0	22.99	20.69	30	PASS
Band4	10MHz	QPSK	20000	1RB#24	22.65	20.35	30	PASS
Band4	10MHz	QPSK	20000	1RB#49	22.90	20.60	30	PASS

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Band4	10MHz	QPSK	20000	25RB#0	21.69	19.39	30	PASS
Band4	10MHz	QPSK	20000	25RB#12	21.64	19.34	30	PASS
Band4	10MHz	QPSK	20000	25RB#25	21.75	19.45	30	PASS
Band4	10MHz	QPSK	20000	50RB#0	21.66	19.36	30	PASS
Band4	10MHz	QPSK	20175	1RB#0	23.01	20.71	30	PASS
Band4	10MHz	QPSK	20175	1RB#24	22.68	20.38	30	PASS
Band4	10MHz	QPSK	20175	1RB#49	22.93	20.63	30	PASS
Band4	10MHz	QPSK	20175	25RB#0	21.71	19.41	30	PASS
Band4	10MHz	QPSK	20175	25RB#12	21.74	19.44	30	PASS
Band4	10MHz	QPSK	20175	25RB#25	21.74	19.44	30	PASS
Band4	10MHz	QPSK	20175	50RB#0	21.74	19.44	30	PASS
Band4	10MHz	QPSK	20350	1RB#0	23.02	20.72	30	PASS
Band4	10MHz	QPSK	20350	1RB#24	22.55	20.25	30	PASS
Band4	10MHz	QPSK	20350	1RB#49	22.80	20.50	30	PASS
Band4	10MHz	QPSK	20350	25RB#0	21.67	19.37	30	PASS
Band4	10MHz	QPSK	20350	25RB#12	21.61	19.31	30	PASS
Band4	10MHz	QPSK	20350	25RB#25	21.63	19.33	30	PASS
Band4	10MHz	QPSK	20350	50RB#0	21.65	19.35	30	PASS
Band4	10MHz	64QAM	20000	1RB#0	20.69	18.39	30	PASS
Band4	10MHz	64QAM	20000	1RB#24	20.79	18.49	30	PASS
Band4	10MHz	64QAM	20000	1RB#49	20.76	18.46	30	PASS
Band4	10MHz	64QAM	20000	25RB#0	20.47	18.17	30	PASS
Band4	10MHz	64QAM	20000	25RB#12	20.53	18.23	30	PASS
Band4	10MHz	64QAM	20000	25RB#25	20.41	18.11	30	PASS
Band4	10MHz	64QAM	20000	50RB#0	19.54	17.24	30	PASS
Band4	10MHz	64QAM	20175	1RB#0	20.77	18.47	30	PASS
Band4	10MHz	64QAM	20175	1RB#24	20.83	18.53	30	PASS
Band4	10MHz	64QAM	20175	1RB#49	20.80	18.50	30	PASS
Band4	10MHz	64QAM	20175	25RB#0	20.51	18.21	30	PASS
Band4	10MHz	64QAM	20175	25RB#12	20.56	18.26	30	PASS
Band4	10MHz	64QAM	20175	25RB#25	20.50	18.20	30	PASS
Band4	10MHz	64QAM	20175	50RB#0	19.64	17.34	30	PASS
Band4	10MHz	64QAM	20350	1RB#0	20.70	18.40	30	PASS

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Band4	10MHz	64QAM	20350	1RB#24	20.76	18.46	30	PASS
Band4	10MHz	64QAM	20350	1RB#49	20.63	18.33	30	PASS
Band4	10MHz	64QAM	20350	25RB#0	20.47	18.17	30	PASS
Band4	10MHz	64QAM	20350	25RB#12	20.37	18.07	30	PASS
Band4	10MHz	64QAM	20350	25RB#25	20.37	18.07	30	PASS
Band4	10MHz	64QAM	20350	50RB#0	19.39	17.09	30	PASS
Band4	10MHz	16QAM	20000	1RB#0	22.10	19.80	30	PASS
Band4	10MHz	16QAM	20000	1RB#24	21.80	19.50	30	PASS
Band4	10MHz	16QAM	20000	1RB#49	22.07	19.77	30	PASS
Band4	10MHz	16QAM	20000	25RB#0	20.71	18.41	30	PASS
Band4	10MHz	16QAM	20000	25RB#12	20.66	18.36	30	PASS
Band4	10MHz	16QAM	20000	25RB#25	20.73	18.43	30	PASS
Band4	10MHz	16QAM	20000	50RB#0	20.71	18.41	30	PASS
Band4	10MHz	16QAM	20175	1RB#0	22.14	19.84	30	PASS
Band4	10MHz	16QAM	20175	1RB#24	21.91	19.61	30	PASS
Band4	10MHz	16QAM	20175	1RB#49	22.12	19.82	30	PASS
Band4	10MHz	16QAM	20175	25RB#0	20.69	18.39	30	PASS
Band4	10MHz	16QAM	20175	25RB#12	20.72	18.42	30	PASS
Band4	10MHz	16QAM	20175	25RB#25	20.73	18.43	30	PASS
Band4	10MHz	16QAM	20175	50RB#0	20.77	18.47	30	PASS
Band4	10MHz	16QAM	20350	1RB#0	22.10	19.80	30	PASS
Band4	10MHz	16QAM	20350	1RB#24	21.82	19.52	30	PASS
Band4	10MHz	16QAM	20350	1RB#49	22.09	19.79	30	PASS
Band4	10MHz	16QAM	20350	25RB#0	20.66	18.36	30	PASS
Band4	10MHz	16QAM	20350	25RB#12	20.62	18.32	30	PASS
Band4	10MHz	16QAM	20350	25RB#25	20.64	18.34	30	PASS
Band4	10MHz	16QAM	20350	50RB#0	20.65	18.35	30	PASS
Band4	15MHz	QPSK	20025	1RB#0	23.05	20.75	30	PASS
Band4	15MHz	QPSK	20025	1RB#38	22.70	20.40	30	PASS
Band4	15MHz	QPSK	20025	1RB#74	22.97	20.67	30	PASS
Band4	15MHz	QPSK	20025	36RB#0	21.71	19.41	30	PASS
Band4	15MHz	QPSK	20025	36RB#18	21.73	19.43	30	PASS
Band4	15MHz	QPSK	20025	36RB#39	21.71	19.41	30	PASS

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Band4	15MHz	QPSK	20175	1RB#0	22.93	20.63	30	PASS
Band4	15MHz	QPSK	20175	1RB#38	22.77	20.47	30	PASS
Band4	15MHz	QPSK	20175	1RB#74	23.02	20.72	30	PASS
Band4	15MHz	QPSK	20175	36RB#0	21.80	19.50	30	PASS
Band4	15MHz	QPSK	20175	36RB#18	21.83	19.53	30	PASS
Band4	15MHz	QPSK	20175	36RB#39	21.85	19.55	30	PASS
Band4	15MHz	QPSK	20175	75RB#0	21.84	19.54	30	PASS
Band4	15MHz	QPSK	20325	1RB#0	22.94	20.64	30	PASS
Band4	15MHz	QPSK	20325	1RB#38	22.67	20.37	30	PASS
Band4	15MHz	QPSK	20325	1RB#74	22.96	20.66	30	PASS
Band4	15MHz	QPSK	20325	36RB#0	21.74	19.44	30	PASS
Band4	15MHz	QPSK	20325	36RB#18	21.65	19.35	30	PASS
Band4	15MHz	QPSK	20325	36RB#39	21.69	19.39	30	PASS
Band4	15MHz	QPSK	20325	75RB#0	21.70	19.40	30	PASS
Band4	15MHz	64QAM	20025	1RB#0	20.77	18.47	30	PASS
Band4	15MHz	64QAM	20025	1RB#38	20.85	18.55	30	PASS
Band4	15MHz	64QAM	20025	1RB#74	20.83	18.53	30	PASS
Band4	15MHz	64QAM	20025	36RB#0	20.45	18.15	30	PASS
Band4	15MHz	64QAM	20025	36RB#18	20.53	18.23	30	PASS
Band4	15MHz	64QAM	20025	36RB#39	20.41	18.11	30	PASS
Band4	15MHz	64QAM	20025	75RB#0	19.51	17.21	30	PASS
Band4	15MHz	64QAM	20175	1RB#0	20.87	18.57	30	PASS
Band4	15MHz	64QAM	20175	1RB#38	20.91	18.61	30	PASS
Band4	15MHz	64QAM	20175	1RB#74	20.79	18.49	30	PASS
Band4	15MHz	64QAM	20175	36RB#0	20.51	18.21	30	PASS
Band4	15MHz	64QAM	20175	36RB#18	20.52	18.22	30	PASS
Band4	15MHz	64QAM	20175	36RB#39	20.44	18.14	30	PASS
Band4	15MHz	64QAM	20175	75RB#0	19.57	17.27	30	PASS
Band4	15MHz	64QAM	20325	1RB#0	20.68	18.38	30	PASS
Band4	15MHz	64QAM	20325	1RB#38	20.78	18.48	30	PASS
Band4	15MHz	64QAM	20325	1RB#74	20.63	18.33	30	PASS
Band4	15MHz	64QAM	20325	36RB#0	20.37	18.07	30	PASS

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Band4	15MHz	64QAM	20325	36RB#39	20.29	17.99	30	PASS
Band4	15MHz	64QAM	20325	75RB#0	19.38	17.08	30	PASS
Band4	15MHz	16QAM	20025	1RB#0	22.25	19.95	30	PASS
Band4	15MHz	16QAM	20025	1RB#38	21.95	19.65	30	PASS
Band4	15MHz	16QAM	20025	1RB#74	22.26	19.96	30	PASS
Band4	15MHz	16QAM	20025	36RB#0	20.73	18.43	30	PASS
Band4	15MHz	16QAM	20025	36RB#18	20.74	18.44	30	PASS
Band4	15MHz	16QAM	20025	36RB#39	20.71	18.41	30	PASS
Band4	15MHz	16QAM	20025	75RB#0	20.76	18.46	30	PASS
Band4	15MHz	16QAM	20175	1RB#0	22.26	19.96	30	PASS
Band4	15MHz	16QAM	20175	1RB#38	22.10	19.80	30	PASS
Band4	15MHz	16QAM	20175	1RB#74	22.39	20.09	30	PASS
Band4	15MHz	16QAM	20175	36RB#0	20.81	18.51	30	PASS
Band4	15MHz	16QAM	20175	36RB#18	20.85	18.55	30	PASS
Band4	15MHz	16QAM	20175	36RB#39	20.83	18.53	30	PASS
Band4	15MHz	16QAM	20175	75RB#0	20.87	18.57	30	PASS
Band4	15MHz	16QAM	20325	1RB#0	22.25	19.95	30	PASS
Band4	15MHz	16QAM	20325	1RB#38	21.98	19.68	30	PASS
Band4	15MHz	16QAM	20325	1RB#74	22.27	19.97	30	PASS
Band4	15MHz	16QAM	20325	36RB#0	20.74	18.44	30	PASS
Band4	15MHz	16QAM	20325	36RB#18	20.72	18.42	30	PASS
Band4	15MHz	16QAM	20325	36RB#39	20.71	18.41	30	PASS
Band4	15MHz	16QAM	20325	75RB#0	20.70	18.40	30	PASS
Band4	20MHz	QPSK	20050	1RB#0	22.79	20.49	30	PASS
Band4	20MHz	QPSK	20050	1RB#49	22.65	20.35	30	PASS
Band4	20MHz	QPSK	20050	1RB#99	22.89	20.59	30	PASS
Band4	20MHz	QPSK	20050	50RB#0	21.76	19.46	30	PASS
Band4	20MHz	QPSK	20050	50RB#25	21.71	19.41	30	PASS
Band4	20MHz	QPSK	20050	50RB#50	21.86	19.56	30	PASS
Band4	20MHz	QPSK	20050	100RB#0	21.87	19.57	30	PASS
Band4	20MHz	QPSK	20175	1RB#0	22.78	20.48	30	PASS
Band4	20MHz	QPSK	20175	1RB#49	22.80	20.50	30	PASS

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Band4	20MHz	QPSK	20175	1RB#99	22.99	20.69	30	PASS
Band4	20MHz	QPSK	20175	50RB#0	21.87	19.57	30	PASS
Band4	20MHz	QPSK	20175	50RB#25	21.86	19.56	30	PASS
Band4	20MHz	QPSK	20175	50RB#50	21.88	19.58	30	PASS
Band4	20MHz	QPSK	20175	100RB#0	21.92	19.62	30	PASS
Band4	20MHz	QPSK	20300	1RB#0	22.81	20.51	30	PASS
Band4	20MHz	QPSK	20300	1RB#49	22.61	20.31	30	PASS
Band4	20MHz	QPSK	20300	1RB#99	22.78	20.48	30	PASS
Band4	20MHz	QPSK	20300	50RB#0	21.72	19.42	30	PASS
Band4	20MHz	QPSK	20300	50RB#25	21.75	19.45	30	PASS
Band4	20MHz	QPSK	20300	50RB#50	21.76	19.46	30	PASS
Band4	20MHz	QPSK	20300	100RB#0	21.82	19.52	30	PASS
Band4	20MHz	64QAM	20050	1RB#0	20.68	18.38	30	PASS
Band4	20MHz	64QAM	20050	1RB#49	20.80	18.50	30	PASS
Band4	20MHz	64QAM	20050	1RB#99	20.83	18.53	30	PASS
Band4	20MHz	64QAM	20050	50RB#0	20.48	18.18	30	PASS
Band4	20MHz	64QAM	20050	50RB#25	20.48	18.18	30	PASS
Band4	20MHz	64QAM	20050	50RB#50	20.37	18.07	30	PASS
Band4	20MHz	64QAM	20050	100RB#0	19.51	17.21	30	PASS
Band4	20MHz	64QAM	20175	1RB#0	20.79	18.49	30	PASS
Band4	20MHz	64QAM	20175	1RB#49	20.87	18.57	30	PASS
Band4	20MHz	64QAM	20175	1RB#99	20.86	18.56	30	PASS
Band4	20MHz	64QAM	20175	50RB#0	20.52	18.22	30	PASS
Band4	20MHz	64QAM	20175	50RB#25	20.51	18.21	30	PASS
Band4	20MHz	64QAM	20175	50RB#50	20.44	18.14	30	PASS
Band4	20MHz	64QAM	20175	100RB#0	19.59	17.29	30	PASS
Band4	20MHz	64QAM	20300	1RB#0	20.71	18.41	30	PASS
Band4	20MHz	64QAM	20300	1RB#49	20.73	18.43	30	PASS
Band4	20MHz	64QAM	20300	1RB#99	20.62	18.32	30	PASS
Band4	20MHz	64QAM	20300	50RB#0	20.44	18.14	30	PASS
Band4	20MHz	64QAM	20300	50RB#25	20.39	18.09	30	PASS
Band4	20MHz	64QAM	20300	50RB#50	20.28	17.98	30	PASS
Band4	20MHz	64QAM	20300	100RB#0	19.40	17.10	30	PASS

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Band4	20MHz	16QAM	20050	1RB#0	22.06	19.76	30	PASS
Band4	20MHz	16QAM	20050	1RB#49	21.91	19.61	30	PASS
Band4	20MHz	16QAM	20050	1RB#99	22.15	19.85	30	PASS
Band4	20MHz	16QAM	20050	50RB#0	20.76	18.46	30	PASS
Band4	20MHz	16QAM	20050	50RB#25	20.72	18.42	30	PASS
Band4	20MHz	16QAM	20050	50RB#50	20.89	18.59	30	PASS
Band4	20MHz	16QAM	20050	100RB#0	20.88	18.58	30	PASS
Band4	20MHz	16QAM	20175	1RB#0	22.17	19.87	30	PASS
Band4	20MHz	16QAM	20175	1RB#49	22.08	19.78	30	PASS
Band4	20MHz	16QAM	20175	1RB#99	22.35	20.05	30	PASS
Band4	20MHz	16QAM	20175	50RB#0	20.89	18.59	30	PASS
Band4	20MHz	16QAM	20175	50RB#25	20.86	18.56	30	PASS
Band4	20MHz	16QAM	20175	50RB#50	20.88	18.58	30	PASS
Band4	20MHz	16QAM	20175	100RB#0	20.93	18.63	30	PASS
Band4	20MHz	16QAM	20300	1RB#0	22.11	19.81	30	PASS
Band4	20MHz	16QAM	20300	1RB#49	22.00	19.70	30	PASS
Band4	20MHz	16QAM	20300	1RB#99	22.14	19.84	30	PASS
Band4	20MHz	16QAM	20300	50RB#0	20.73	18.43	30	PASS
Band4	20MHz	16QAM	20300	50RB#25	20.74	18.44	30	PASS
Band4	20MHz	16QAM	20300	50RB#50	20.76	18.46	30	PASS
Band4	20MHz	16QAM	20300	100RB#0	20.79	18.49	30	PASS

Remark:

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

ERP [dBm] = Conducted Power [dBm] + Gain [dBd]

EIRP [dBm] = Conducted Power [dBm] + Gain [dBi]

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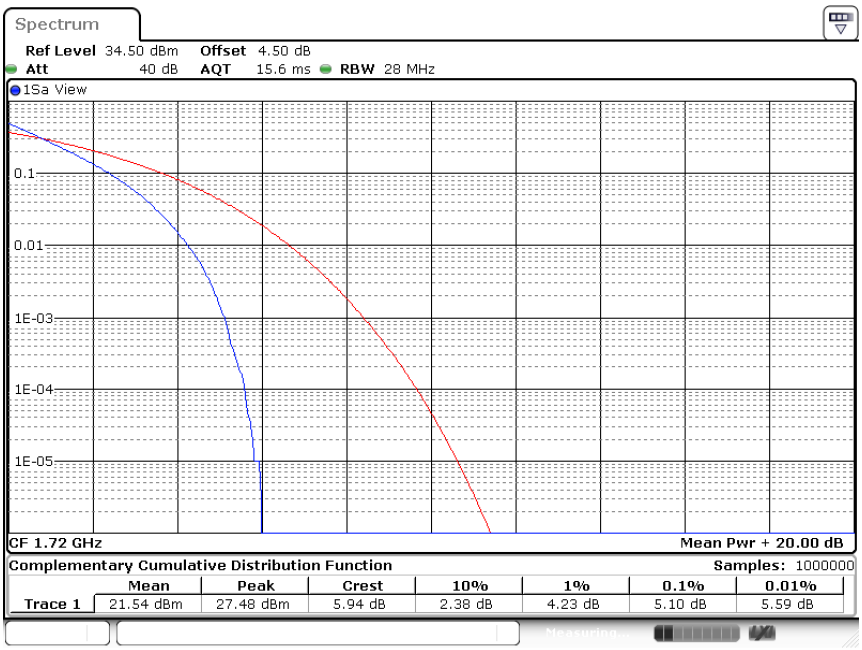
2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	5.10	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.07	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.25	13	PASS
Band4	20MHz	64QAM	20050	100RB#0	6.06	13	PASS
Band4	20MHz	64QAM	20175	100RB#0	5.97	13	PASS
Band4	20MHz	64QAM	20300	100RB#0	6.12	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	5.97	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	5.97	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	6.20	13	PASS

2.2. Test Plots

Band4-20MHz-QPSK-20050-100RB#0



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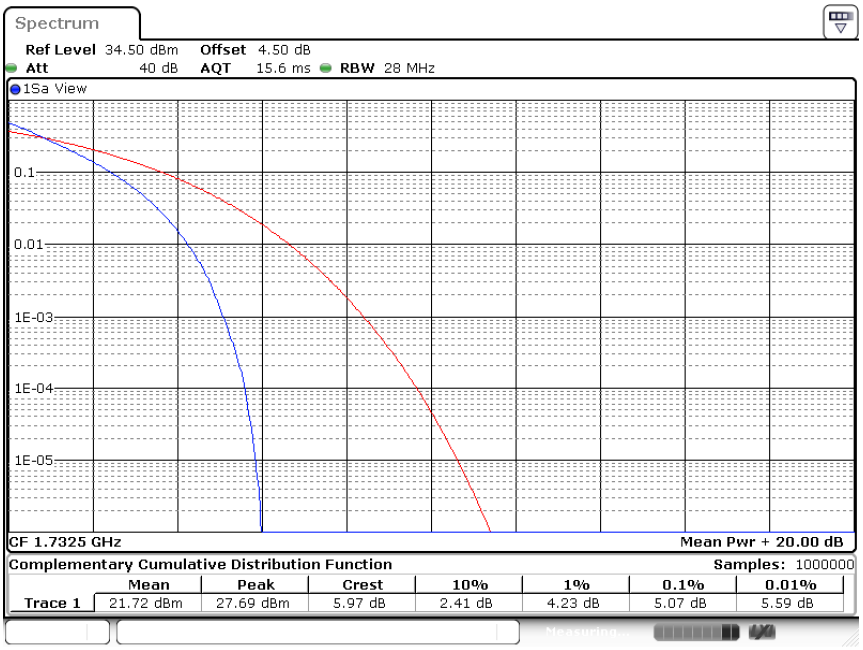
Band4-20MHz-QPSK-20175-100RB#0



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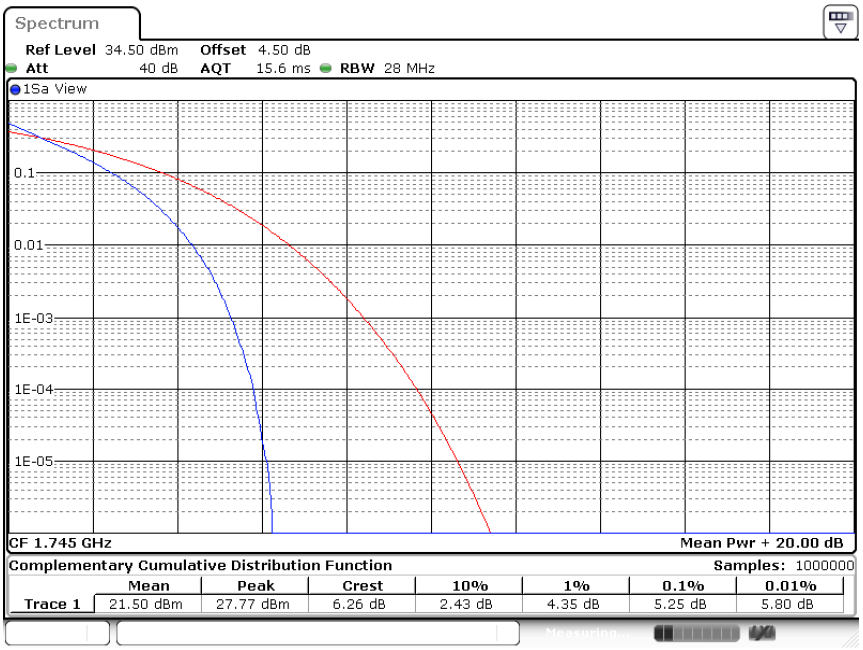
Band4-20MHz-QPSK-20300-100RB#0



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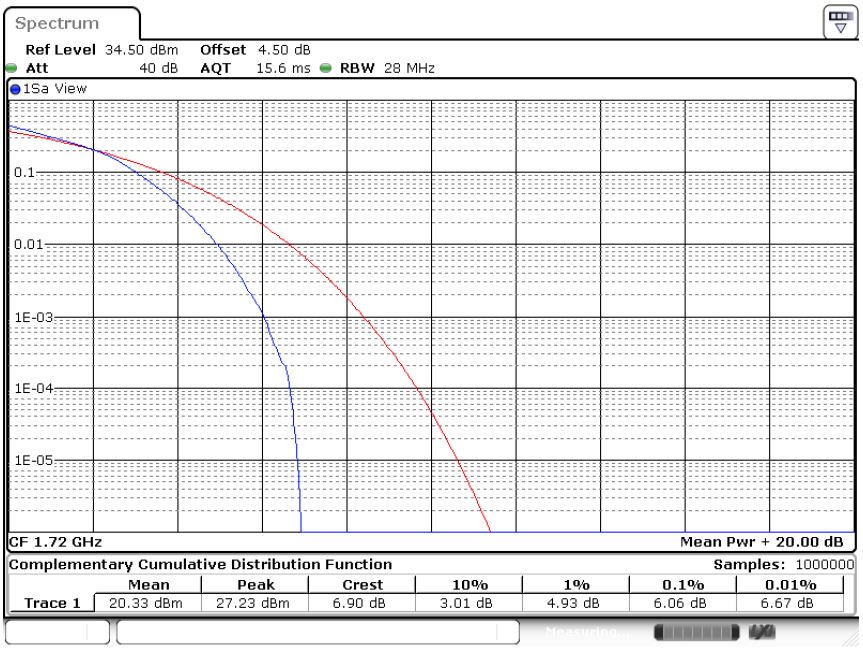
Band4-20MHz-64QAM-20050-100RB#0



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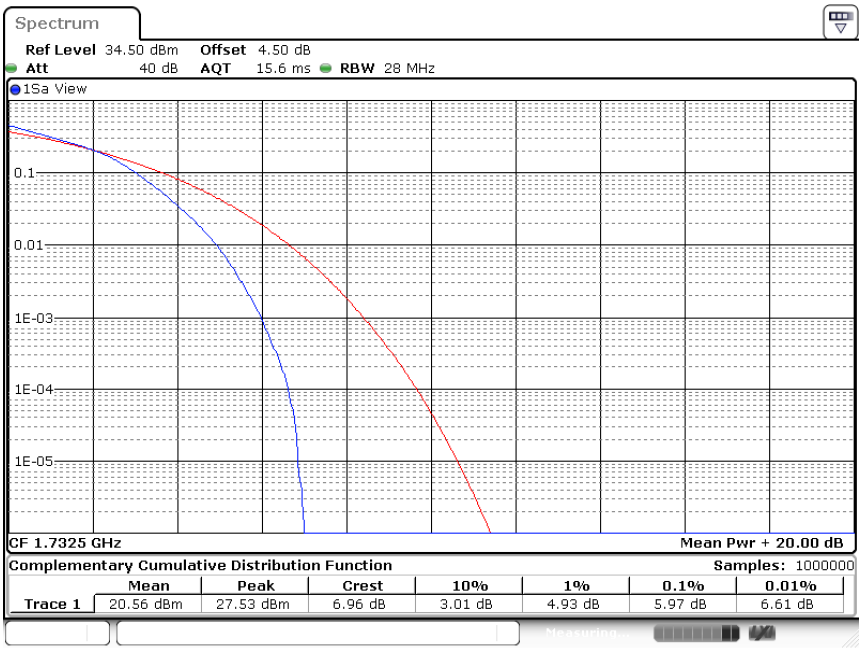
Band4-20MHz-64QAM-20175-100RB#0



Date: 4.SEP.2020 00:09:01

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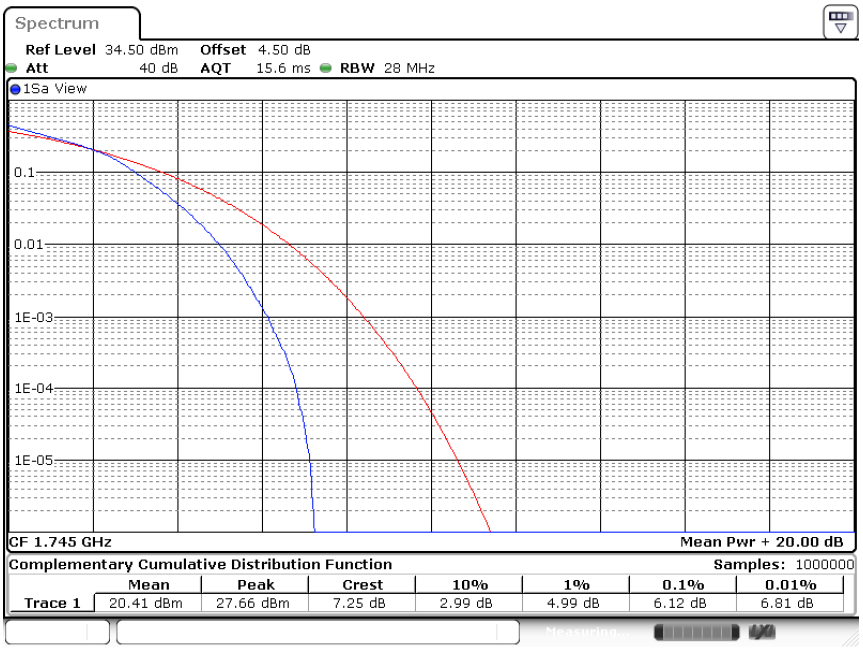
Band4-20MHz-64QAM-20300-100RB#0



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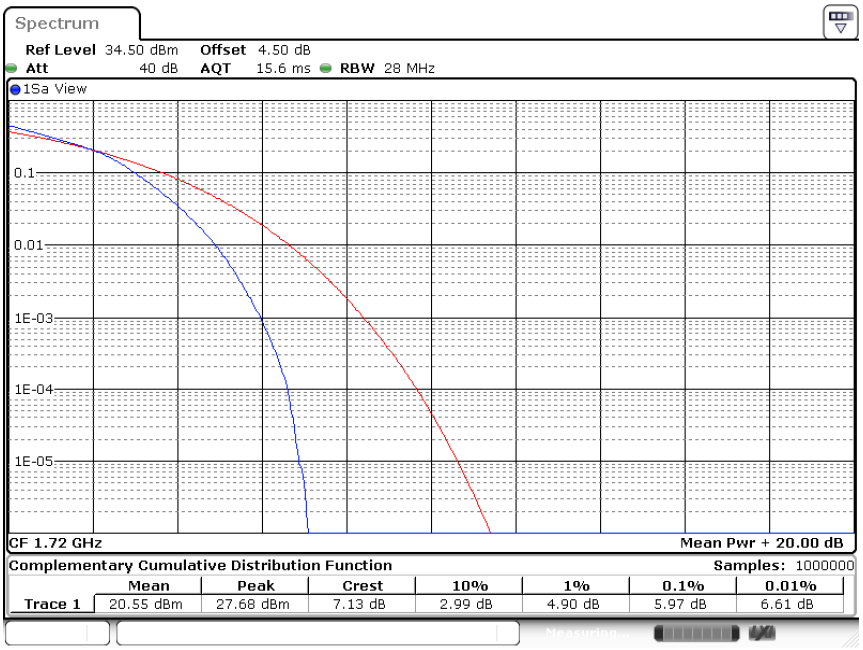
Band4-20MHz-16QAM-20050-100RB#0



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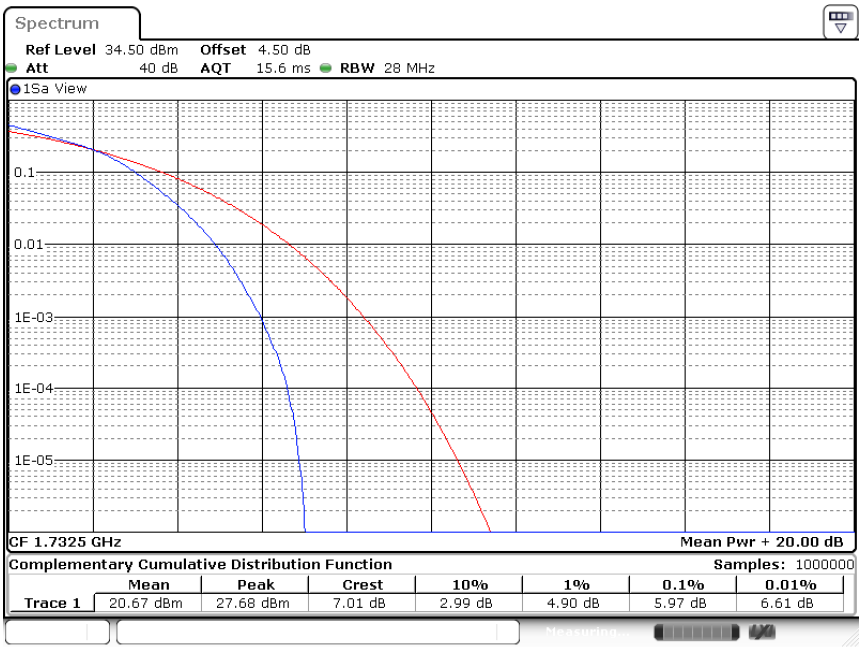
Band4-20MHz-16QAM-20175-100RB#0



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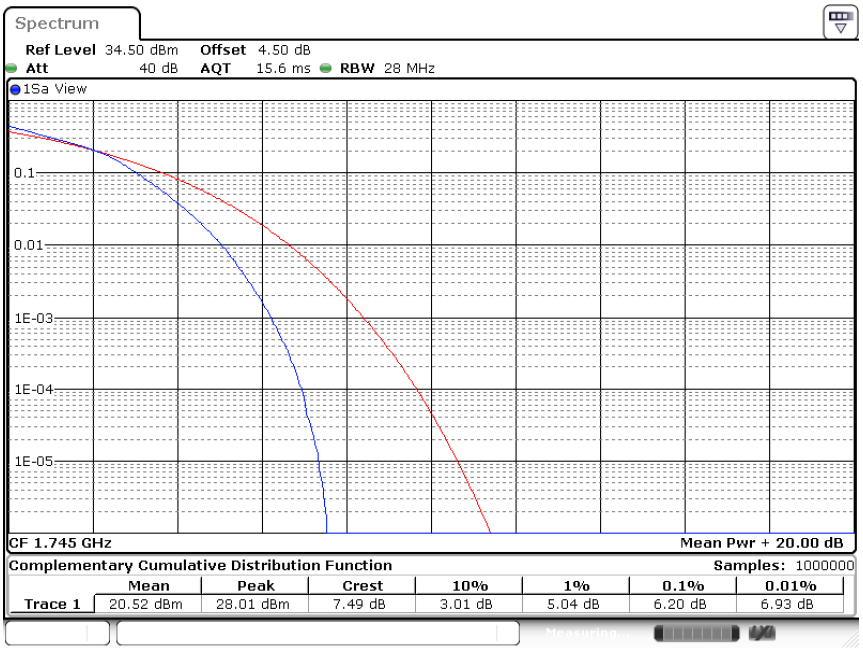
Band4-20MHz-16QAM-20300-100RB#0



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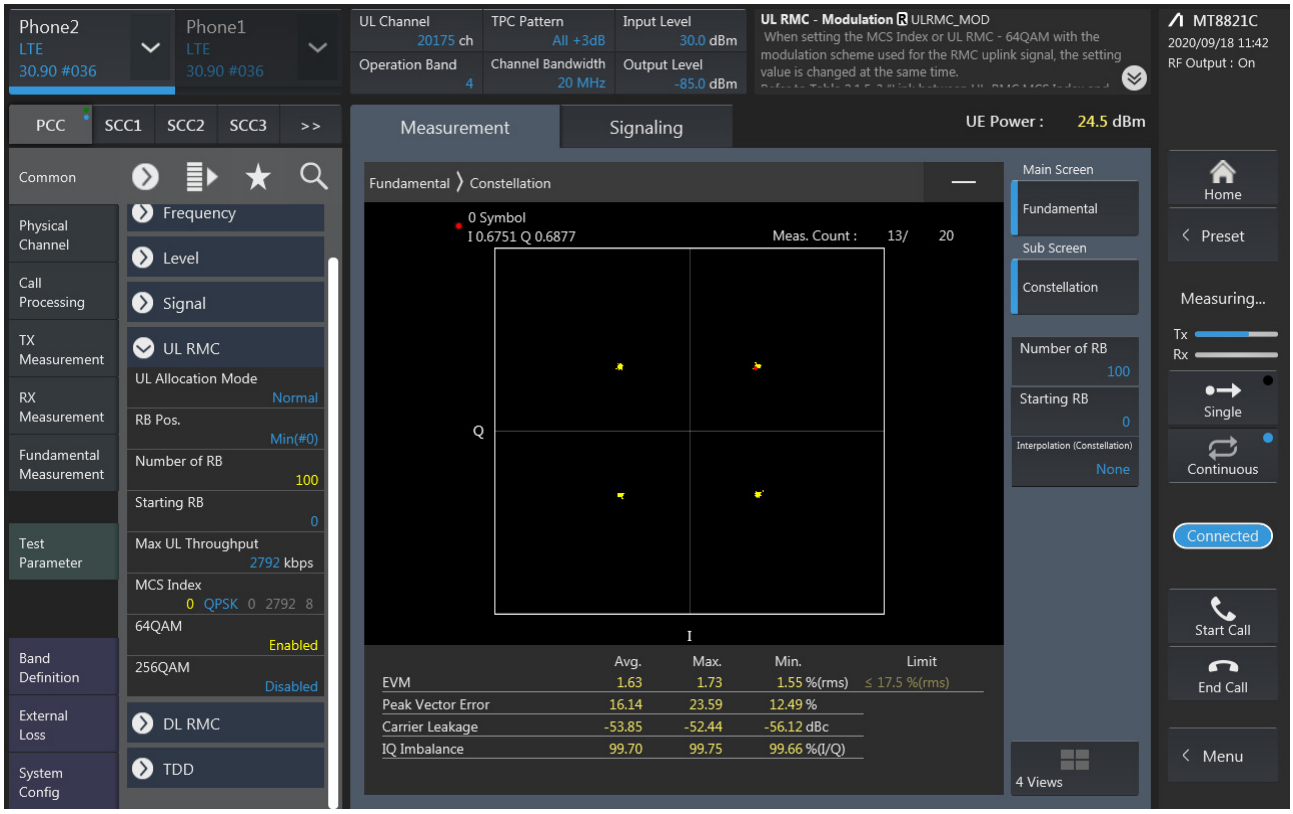
3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

3.1.1.Test Channel = MCH



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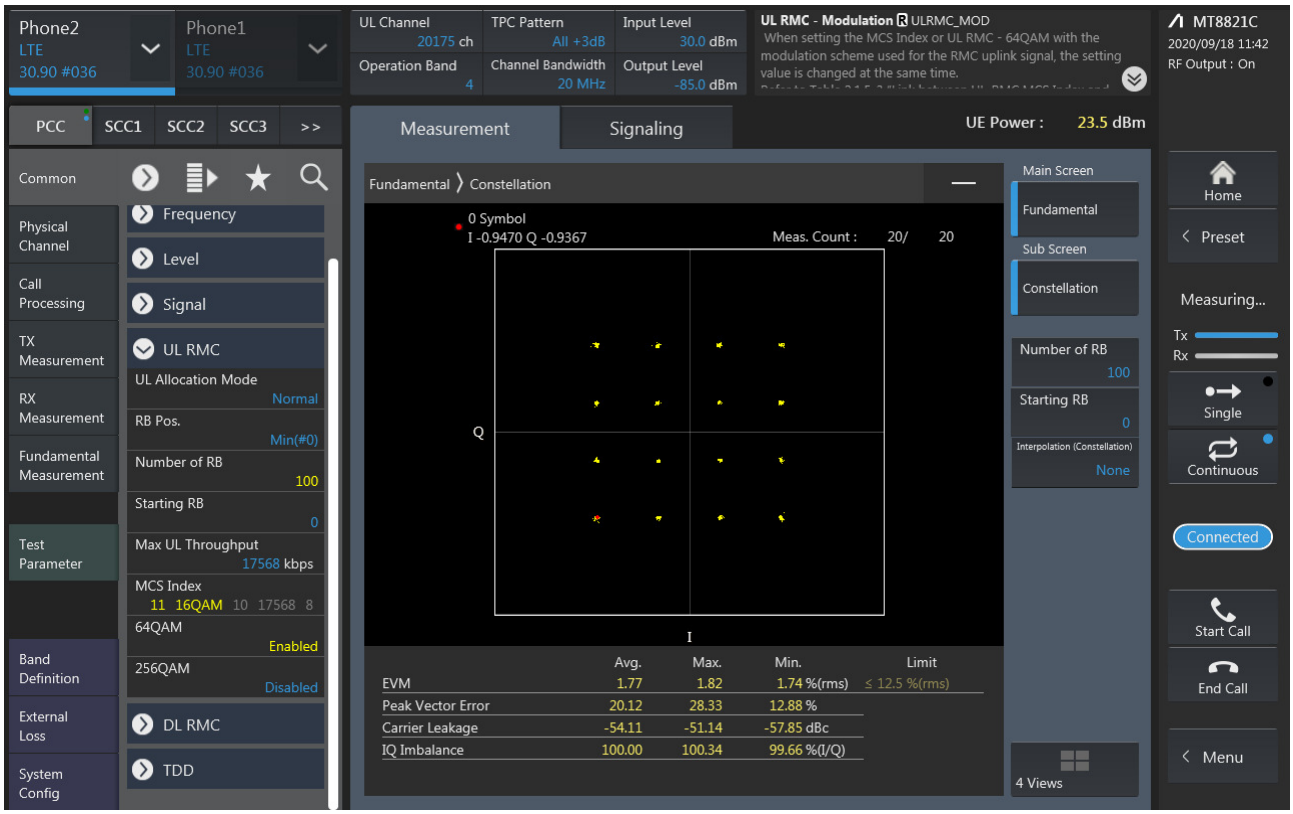
3.2. Test Mode = LTE /TM2 20MHz

3.2.1.Test Channel = MCH



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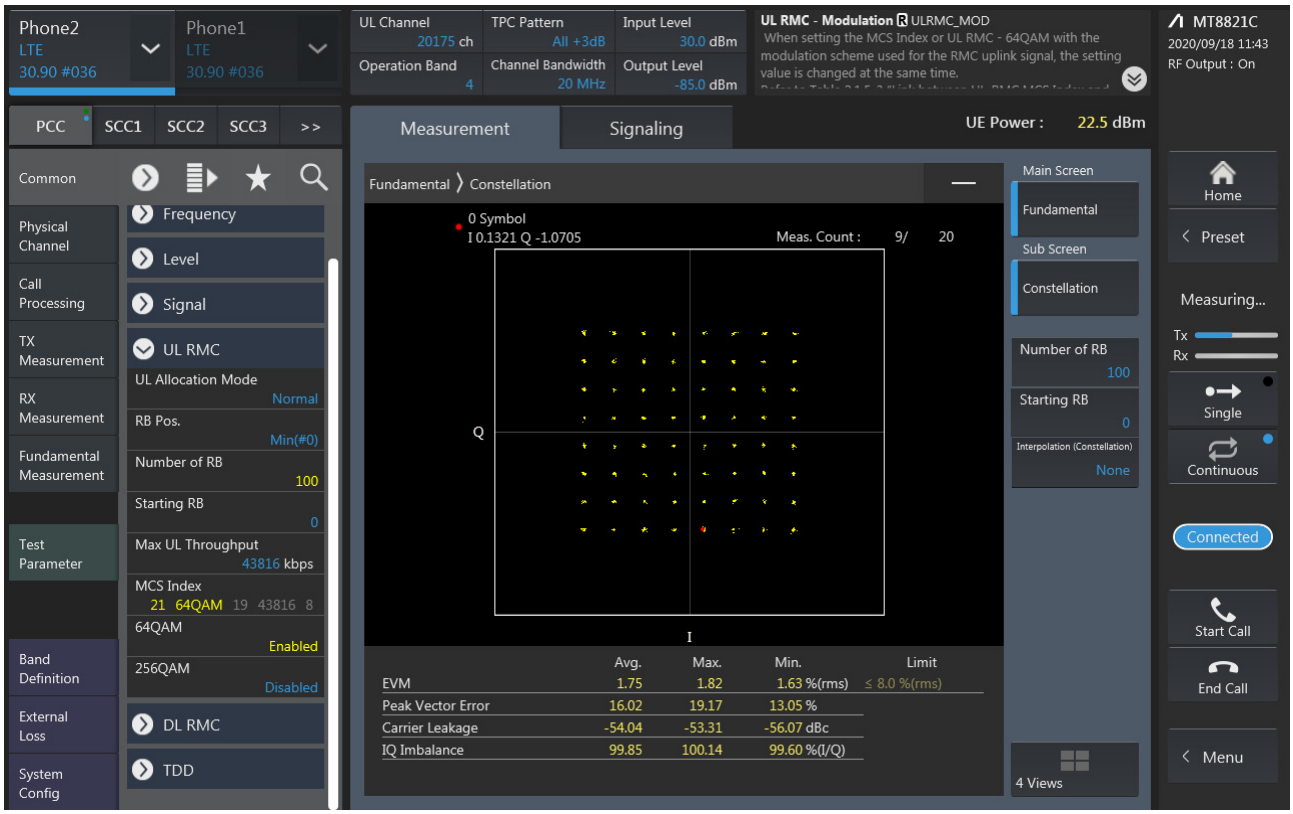
3.3. Test Mode = LTE /TM3 20MHz

3.3.1.Test Channel = MCH



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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	1.091	1.287	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.091	1.287	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.091	1.284	PASS
Band4	1.4MHz	64QAM	19957	6RB#0	1.091	1.296	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	1.091	1.299	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	1.091	1.290	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.091	1.287	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.091	1.269	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.088	1.284	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.691	2.988	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.697	2.988	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.703	2.976	PASS
Band4	3MHz	64QAM	19965	15RB#0	2.691	2.964	PASS
Band4	3MHz	64QAM	20175	15RB#0	2.691	2.964	PASS
Band4	3MHz	64QAM	20385	15RB#0	2.691	2.970	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.685	2.964	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.691	2.976	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.685	2.970	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.476	4.930	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.476	4.930	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.476	4.940	PASS
Band4	5MHz	64QAM	19975	25RB#0	4.476	4.930	PASS
Band4	5MHz	64QAM	20175	25RB#0	4.466	4.960	PASS
Band4	5MHz	64QAM	20375	25RB#0	4.476	4.940	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.476	4.970	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.476	4.960	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.486	4.950	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.931	9.740	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.911	9.720	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.931	9.740	PASS
Band4	10MHz	64QAM	20000	50RB#0	8.931	9.800	PASS

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Band4	10MHz	64QAM	20175	50RB#0	8.911	9.760	PASS
Band4	10MHz	64QAM	20350	50RB#0	8.931	9.800	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.911	9.800	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.911	9.760	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.931	9.740	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.457	14.730	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.457	14.820	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.457	14.760	PASS
Band4	15MHz	64QAM	20025	75RB#0	13.427	14.730	PASS
Band4	15MHz	64QAM	20175	75RB#0	13.427	14.790	PASS
Band4	15MHz	64QAM	20325	75RB#0	13.457	14.790	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.427	14.700	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.457	14.820	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.457	14.760	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.862	19.400	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.902	19.480	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.902	19.480	PASS
Band4	20MHz	64QAM	20050	100RB#0	17.862	19.440	PASS
Band4	20MHz	64QAM	20175	100RB#0	17.862	19.480	PASS
Band4	20MHz	64QAM	20300	100RB#0	17.902	19.480	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.862	19.440	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.902	19.440	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.902	19.400	PASS

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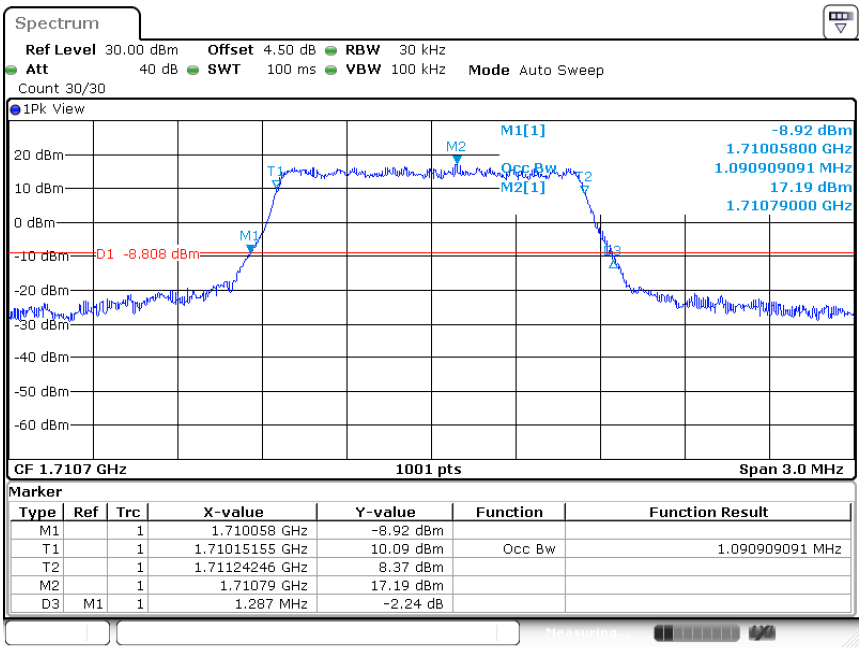
4.2. Test Plots

Band4-1.4MHz-QPSK-19957-6RB#0-1.091



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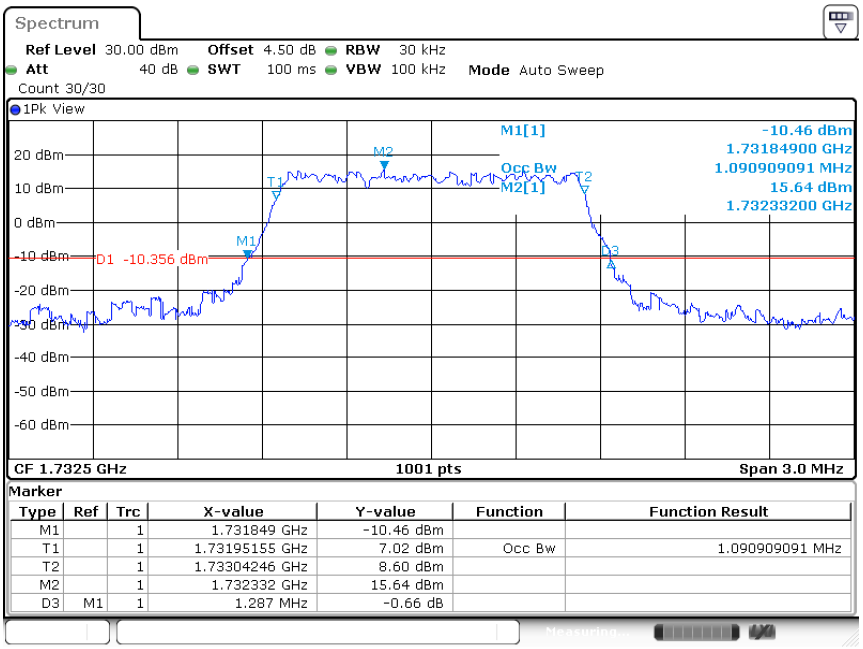
Band4-1.4MHz-QPSK-20175-6RB#0-1.091



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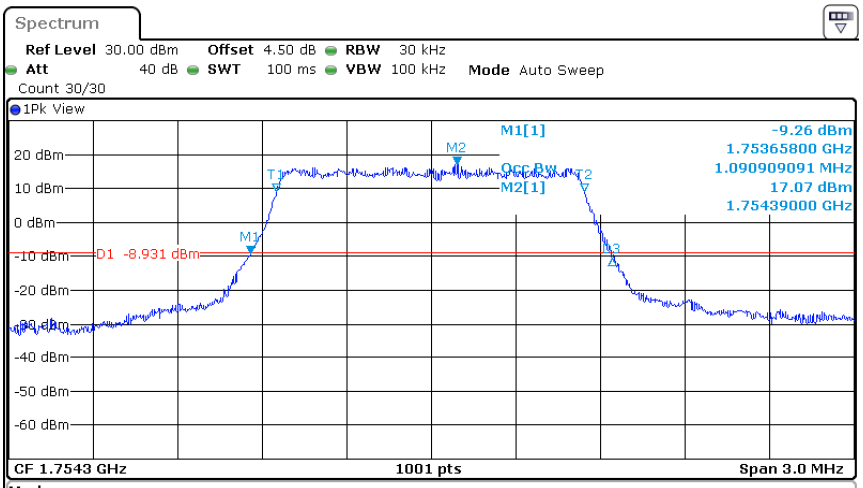
Band4-1.4MHz-QPSK-20393-6RB#0-1.091

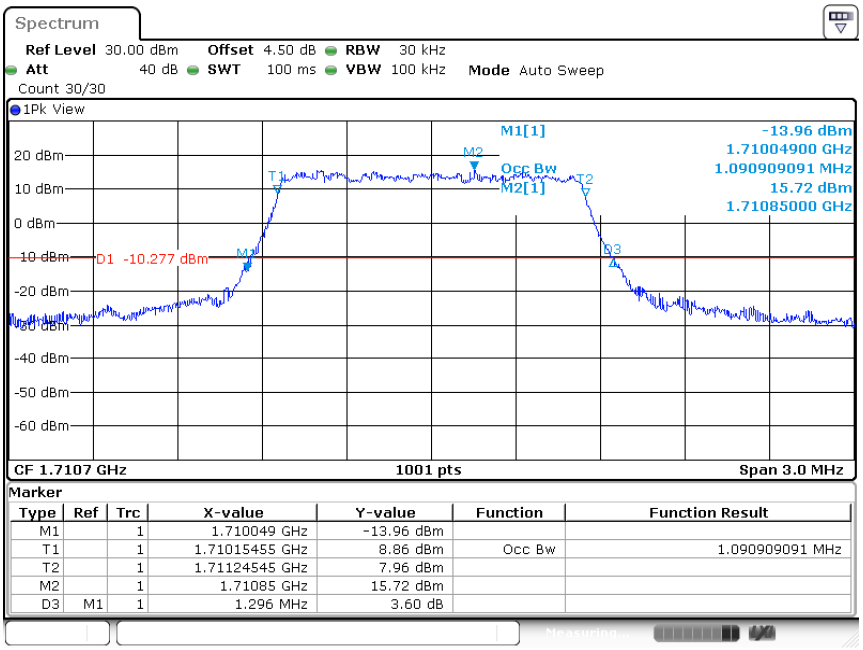


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.753658 GHz	-9.26 dBm		
T1		1	1.75375155 GHz	9.22 dBm	Occ Bw	1.090909091 MHz
T2		1	1.75484246 GHz	8.99 dBm		
M2		1	1.75439 GHz	17.07 dBm		
D3	M1	1	1.284 MHz	-1.23 dB		

Date: 3.SEP.2020 22:03:35

Band4-1.4MHz-64QAM-19957-6RB#0-1.091



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.710049 GHz	-13.96 dBm		
T1		1	1.71015455 GHz	8.86 dBm	Occ Bw	1.090909091 MHz
T2		1	1.71124545 GHz	7.96 dBm		
M2		1	1.71085 GHz	15.72 dBm		
D3	M1	1	1.296 MHz	3.60 dB		

Date: 3.SEP.2020 23:53:03

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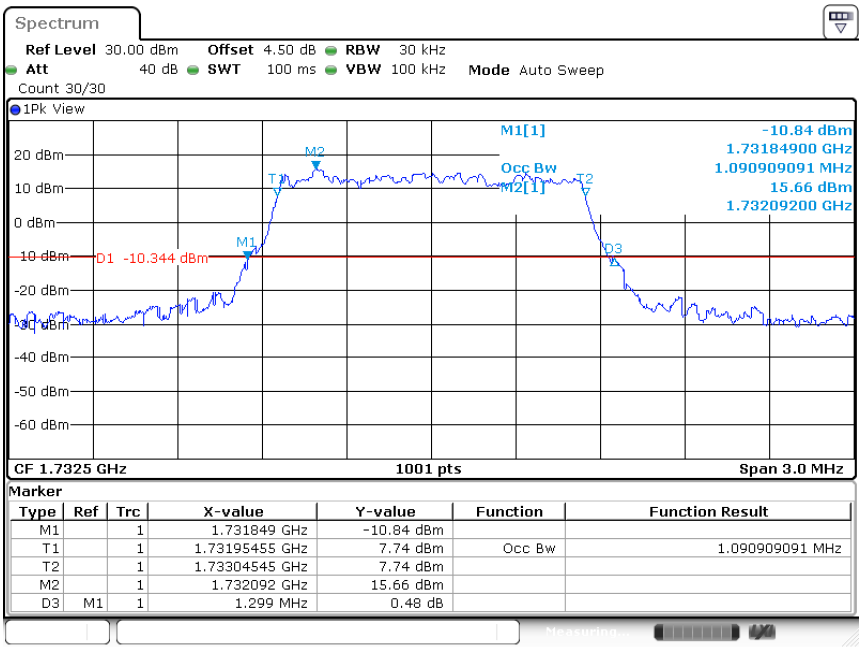

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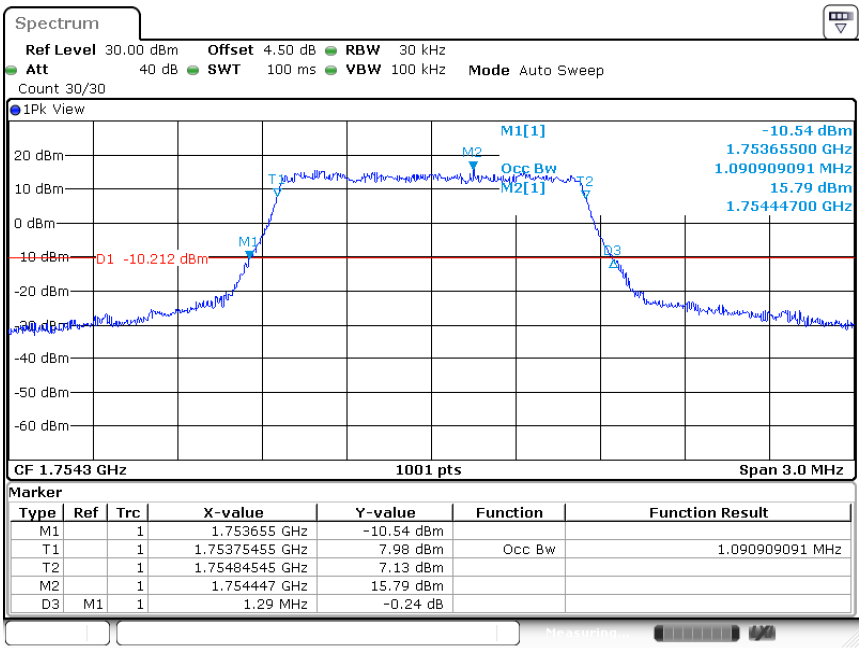
Band4-1.4MHz-64QAM-20393-6RB#0-1.091



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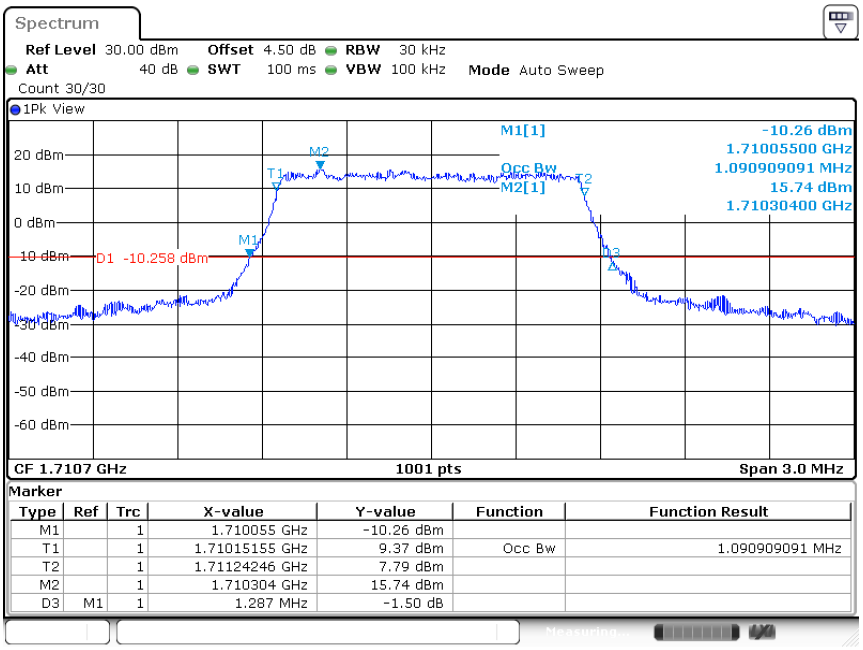
Band4-1.4MHz-16QAM-19957-6RB#0-1.091



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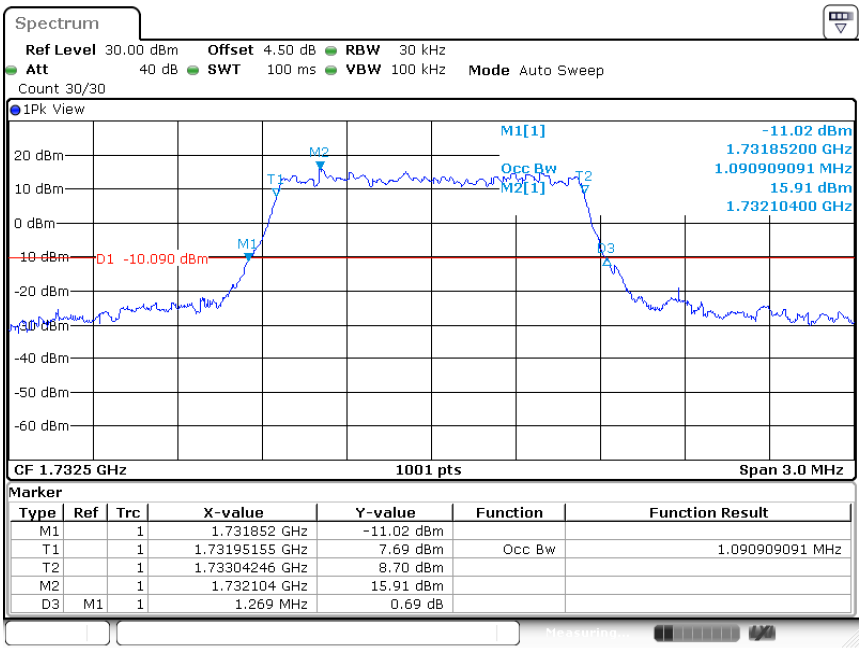
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.710055 GHz	-10.26 dBm		
T1		1	1.71015155 GHz	9.37 dBm	Occ Bw	1.090909091 MHz
T2		1	1.71124246 GHz	7.79 dBm		
M2		1	1.710304 GHz	15.74 dBm		
D3	M1	1	1.287 MHz	-1.50 dB		

Date: 3.SEP.2020 22:02:57

Band4-1.4MHz-16QAM-20175-6RB#0-1.091



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.731852 GHz	-11.02 dBm		
T1		1	1.73195155 GHz	7.69 dBm	Occ Bw	1.090909091 MHz
T2		1	1.73304246 GHz	8.70 dBm		
M2		1	1.732104 GHz	15.91 dBm		
D3	M1	1	1.269 MHz	0.69 dB		

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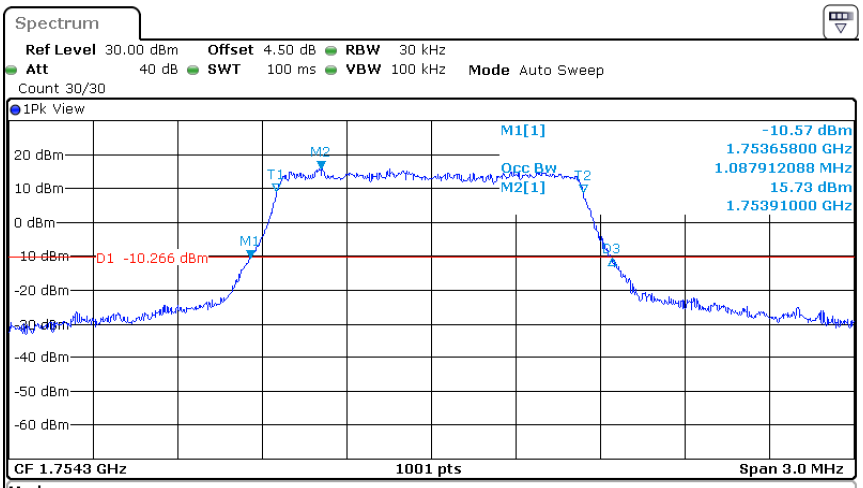
Band4-1.4MHz-16QAM-20393-6RB#0-1.088



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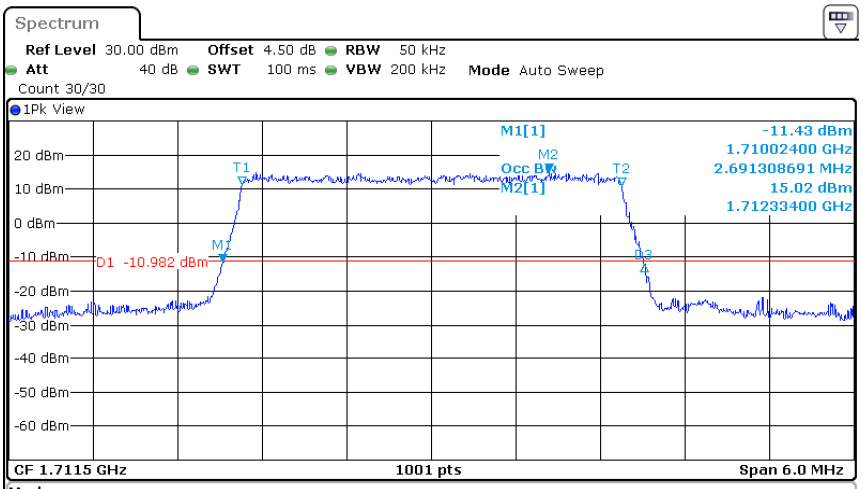
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.753658 GHz	-10.57 dBm		
T1		1	1.75375155 GHz	9.25 dBm	Occ Bw	1.087912088 MHz
T2		1	1.75483946 GHz	8.86 dBm		
M2		1	1.75391 GHz	15.73 dBm		
D3	M1	1	1.284 MHz	-0.07 dB		

Date: 3.SEP.2020 22:03:48

Band4-3MHz-QPSK-19965-15RB#0-2.691



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.710024 GHz	-11.43 dBm		
T1		1	1.71015734 GHz	11.29 dBm	Occ Bw	2.691308691 MHz
T2		1	1.71284865 GHz	10.93 dBm		
M2		1	1.712334 GHz	15.02 dBm		
D3	M1	1	2.988 MHz	-0.72 dB		

Date: 3.SEP.2020 22:04:06

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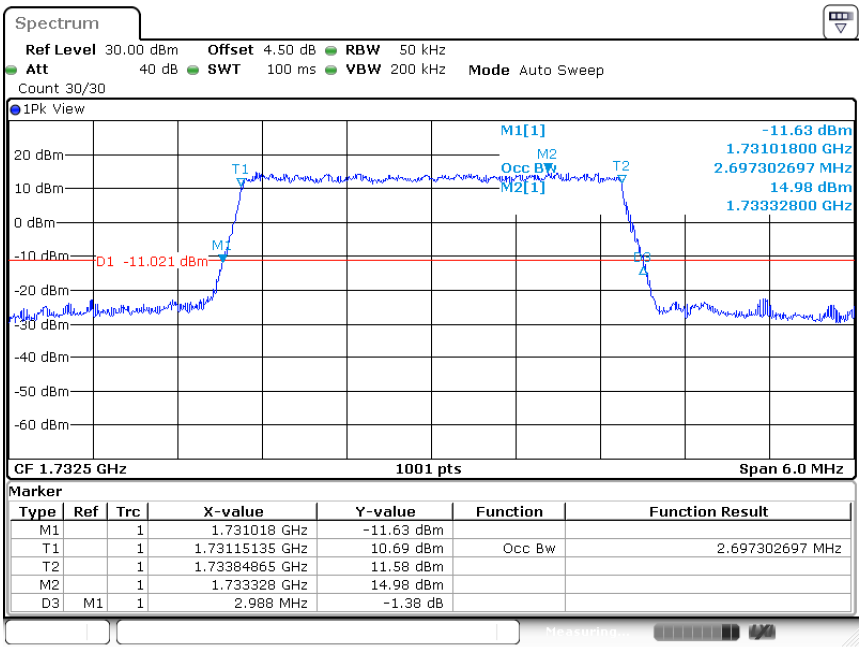
Band4-3MHz-QPSK-20175-15RB#0-2.697



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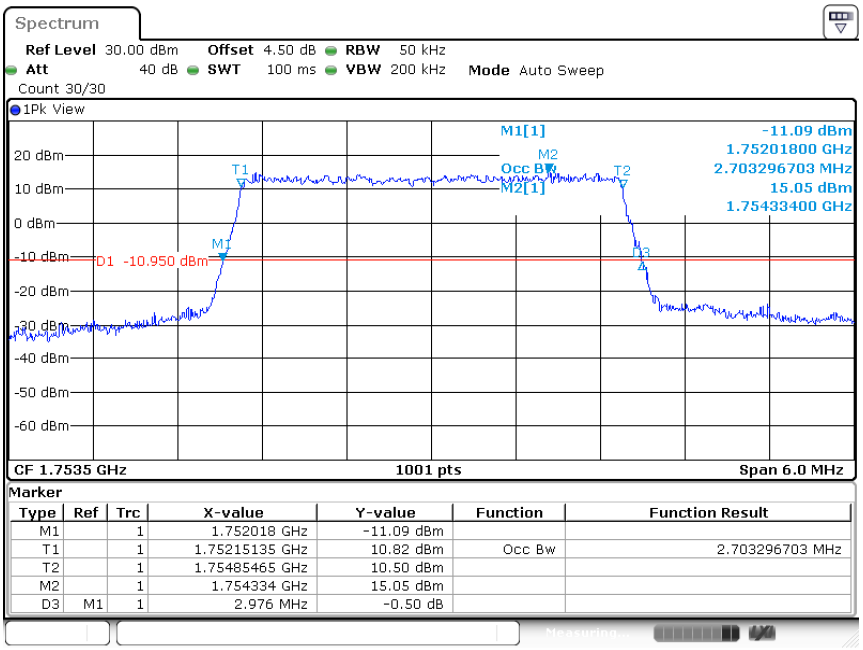
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.731018 GHz	-11.63 dBm		
T1		1	1.73115135 GHz	10.69 dBm	Occ Bw	2.697302697 MHz
T2		1	1.73384865 GHz	11.58 dBm		
M2		1	1.733328 GHz	14.98 dBm		
D3	M1	1	2.988 MHz	-1.38 dB		

Date: 3.SEP.2020 22:04:32

Band4-3MHz-QPSK-20385-15RB#0-2.703



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.752018 GHz	-11.09 dBm		
T1		1	1.75215135 GHz	10.82 dBm	Occ Bw	2.703296703 MHz
T2		1	1.75485465 GHz	10.50 dBm		
M2		1	1.754334 GHz	15.05 dBm		
D3	M1	1	2.976 MHz	-0.50 dB		

Date: 3.SEP.2020 22:04:58

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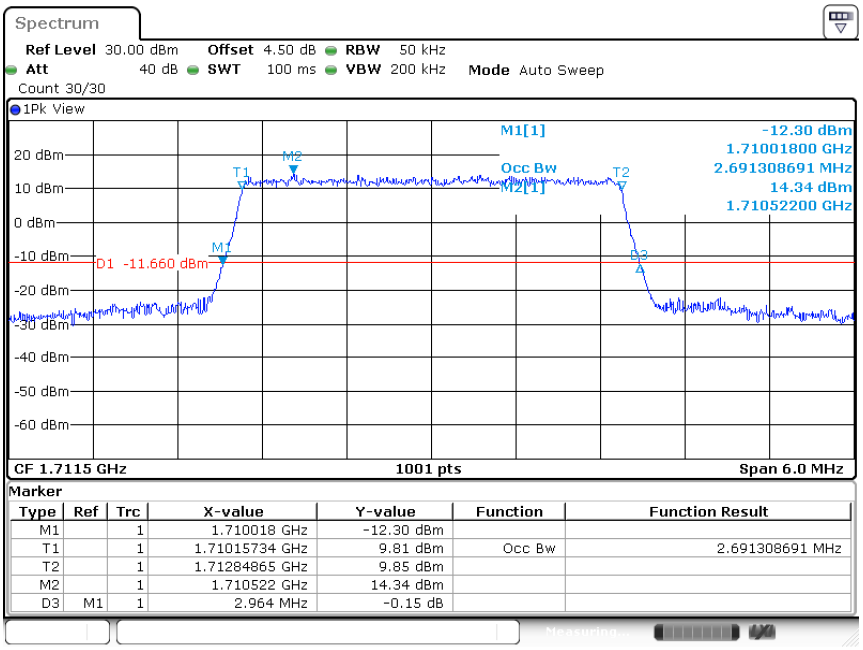
Band4-3MHz-64QAM-19965-15RB#0-2.691



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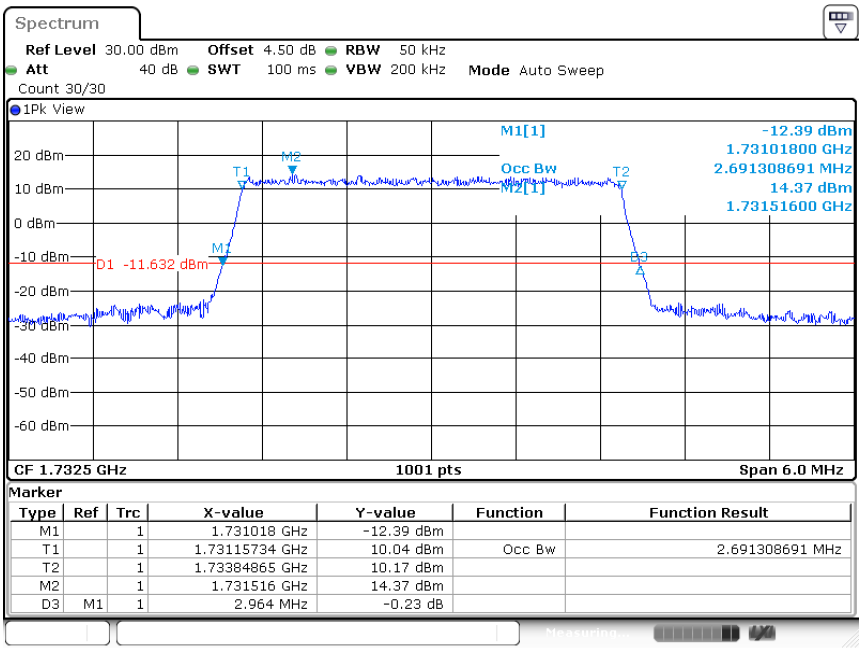
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.710018 GHz	-12.30 dBm		
T1		1	1.71015734 GHz	9.81 dBm	Occ Bw	2.691308691 MHz
T2		1	1.71284865 GHz	9.85 dBm		
M2		1	1.710522 GHz	14.34 dBm		
D3	M1	1	2.964 MHz	-0.15 dB		

Date: 3.SEP.2020 23:53:47

Band4-3MHz-64QAM-20175-15RB#0-2.691



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.731018 GHz	-12.39 dBm		
T1		1	1.73115734 GHz	10.04 dBm	Occ Bw	2.691308691 MHz
T2		1	1.73384865 GHz	10.17 dBm		
M2		1	1.731516 GHz	14.37 dBm		
D3	M1	1	2.964 MHz	-0.23 dB		

Date: 3.SEP.2020 23:54:00

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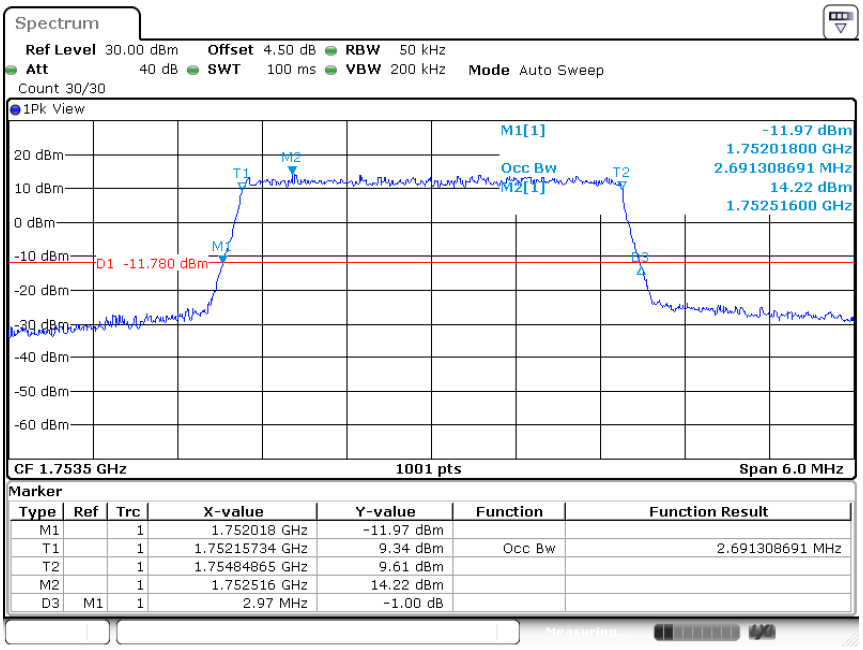
Band4-3MHz-64QAM-20385-15RB#0-2.691



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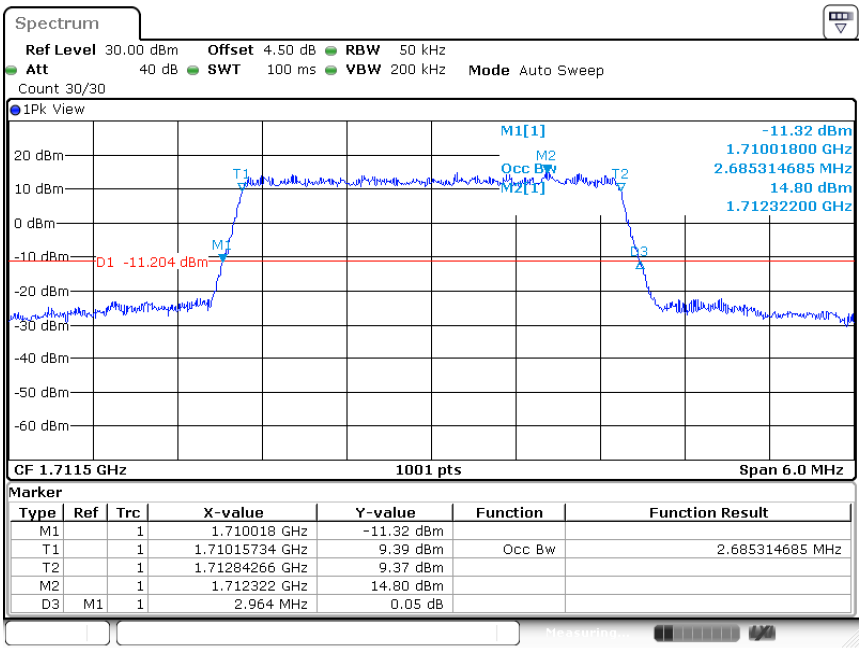
Band4-3MHz-16QAM-19965-15RB#0-2.685



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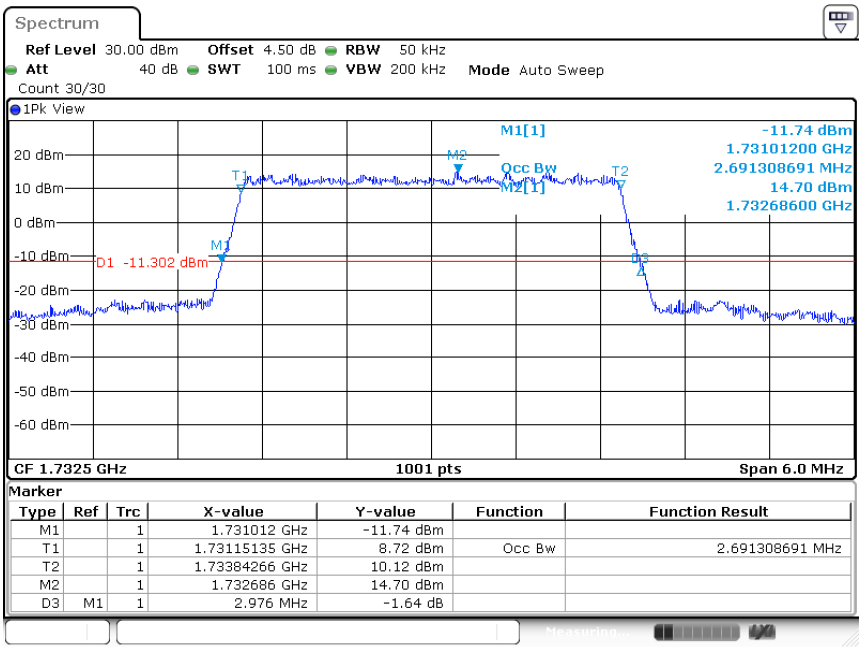

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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.731012 GHz	-11.74 dBm		
T1		1	1.73115135 GHz	8.72 dBm	Occ Bw	2.691308691 MHz
T2		1	1.73384266 GHz	10.12 dBm		
M2		1	1.732686 GHz	14.70 dBm		
D3	M1	1	2.976 MHz	-1.64 dB		

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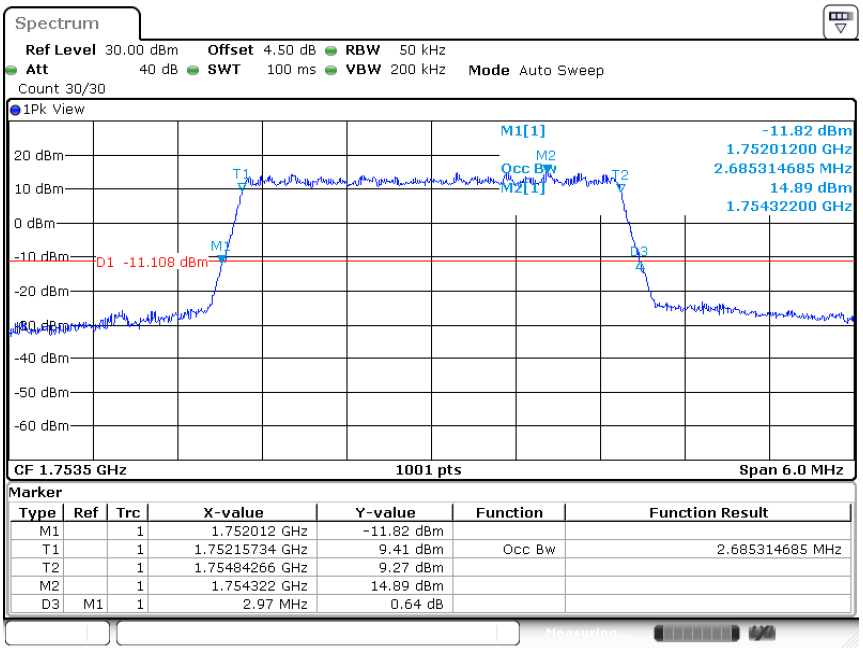
Band4-3MHz-16QAM-20385-15RB#0-2.685



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.752012 GHz	-11.82 dBm		
T1		1	1.75215734 GHz	9.41 dBm	Occ Bw	2.685314685 MHz
T2		1	1.75484266 GHz	9.27 dBm		
M2		1	1.754322 GHz	14.89 dBm		
D3	M1	1	2.97 MHz	0.64 dB		

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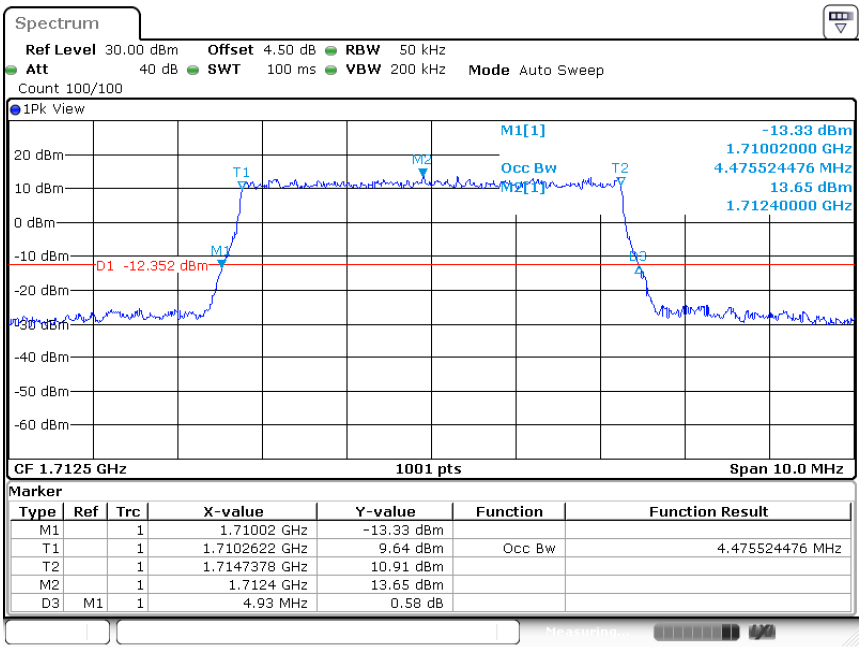
Band4-5MHz-QPSK-19975-25RB#0-4.476



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.71002 GHz	-13.33 dBm		
T1		1	1.7102622 GHz	9.64 dBm	Occ Bw	4.475524476 MHz
T2		1	1.7147378 GHz	10.91 dBm		
M2		1	1.7124 GHz	13.65 dBm		
D3	M1	1	4.93 MHz	0.58 dB		

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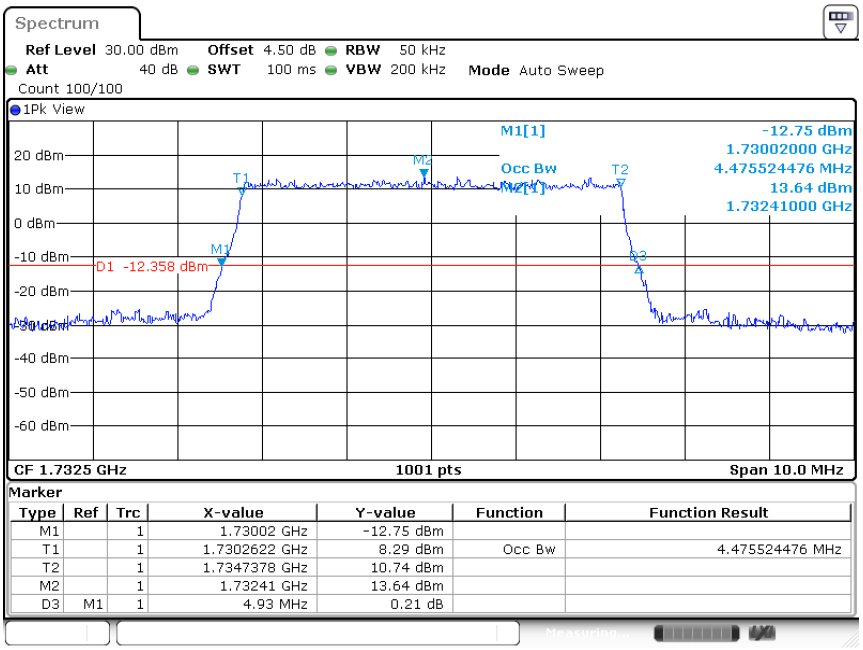
Band4-5MHz-QPSK-20175-25RB#0-4.476



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.73002 GHz	-12.75 dBm		
T1		1	1.7302622 GHz	8.29 dBm	Occ Bw	4.475524476 MHz
T2		1	1.7347378 GHz	10.74 dBm		
M2		1	1.73241 GHz	13.64 dBm		
D3	M1	1	4.93 MHz	0.21 dB		

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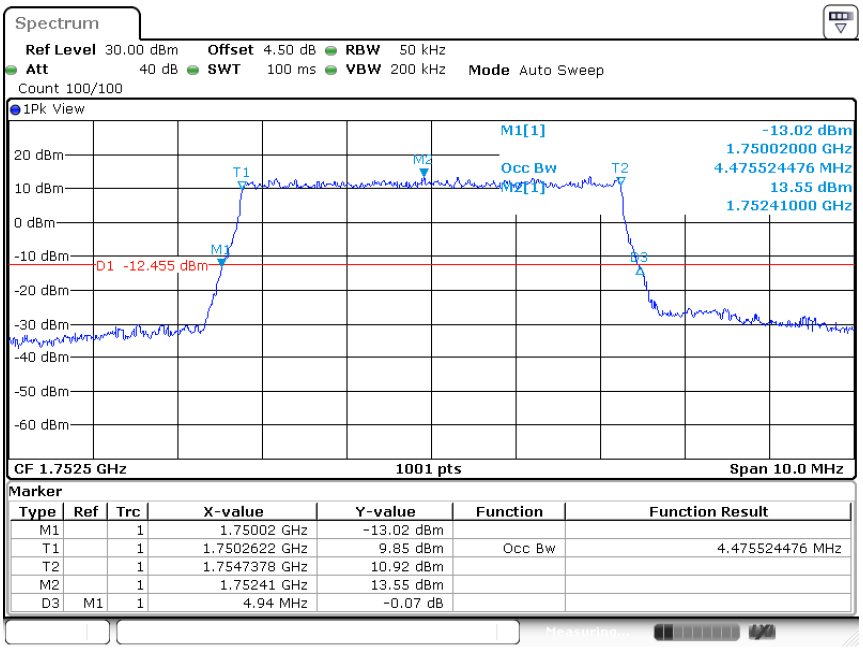
Band4-5MHz-QPSK-20375-25RB#0-4.476



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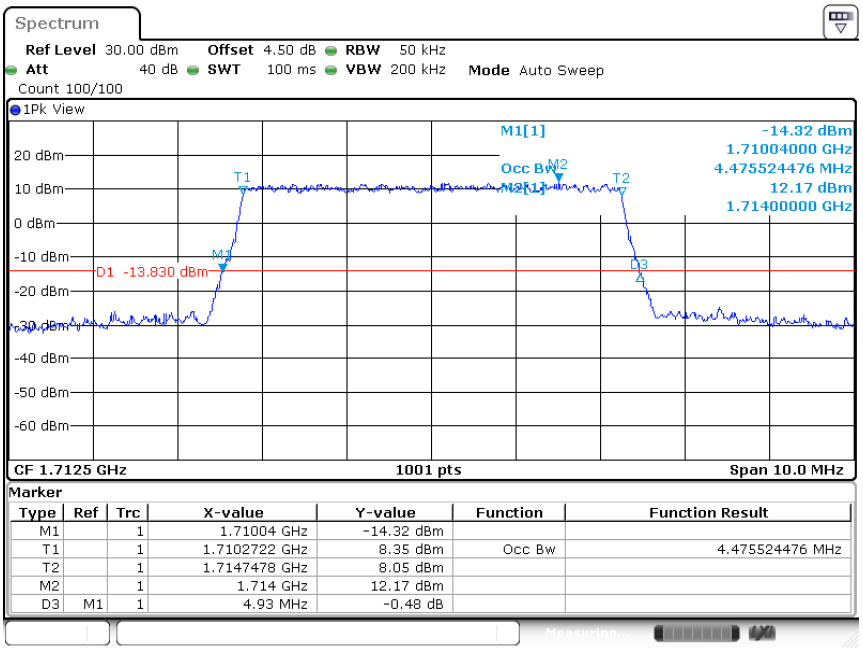
Band4-5MHz-64QAM-19975-25RB#0-4.476



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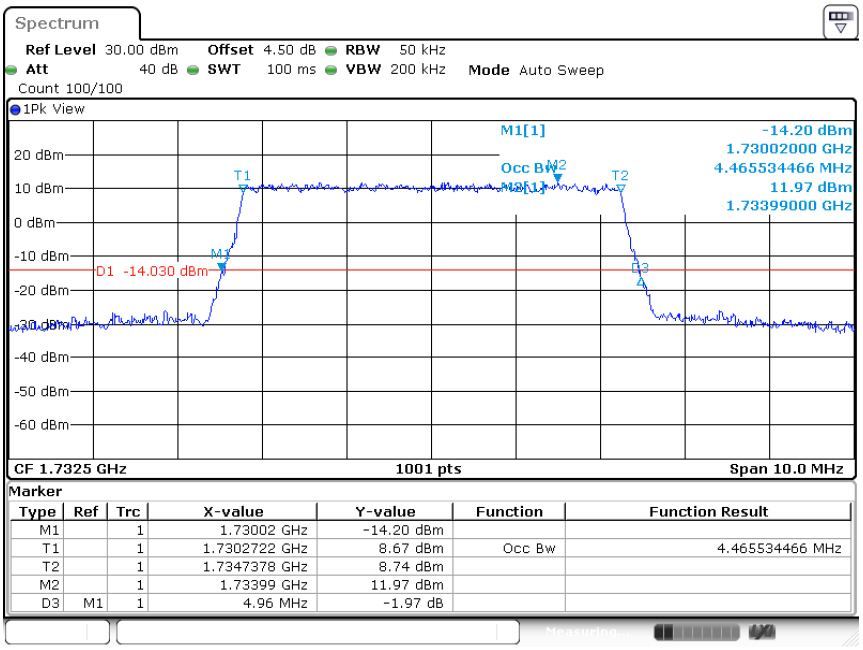
Band4-5MHz-64QAM-20175-25RB#0-4.466



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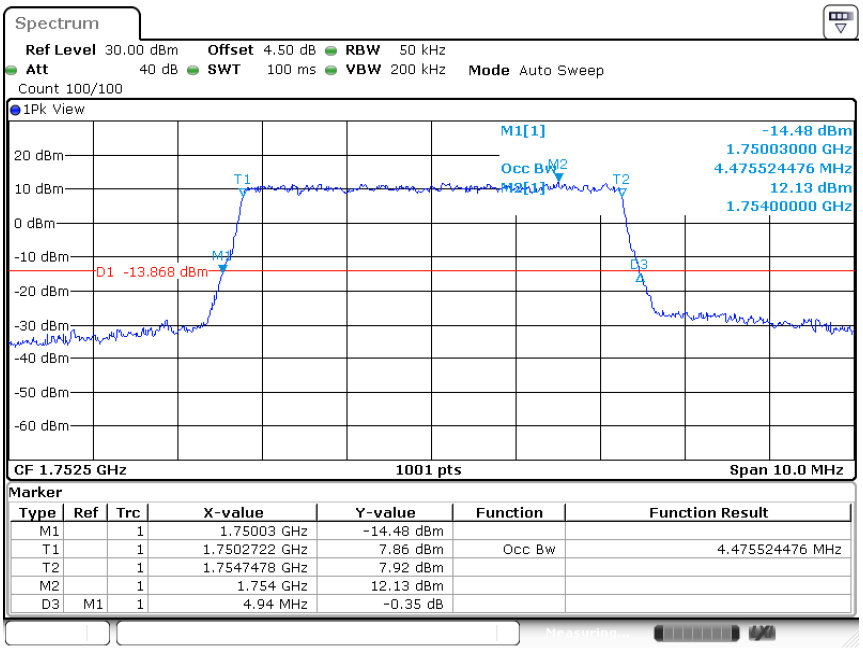
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.73002 GHz	-14.20 dBm		
T1		1	1.7302722 GHz	8.67 dBm	Occ Bw	4.465534466 MHz
T2		1	1.7347378 GHz	8.74 dBm		
M2		1	1.73399 GHz	11.97 dBm		
D3	M1	1	4.96 MHz	-1.97 dB		

Date: 3.SEP.2020 23:54:58

Band4-5MHz-64QAM-20375-25RB#0-4.476



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.75003 GHz	-14.48 dBm		
T1		1	1.7502722 GHz	7.86 dBm	Occ Bw	4.475524476 MHz
T2		1	1.7547478 GHz	7.92 dBm		
M2		1	1.754 GHz	12.13 dBm		
D3	M1	1	4.94 MHz	-0.35 dB		

Date: 3.SEP.2020 23:55:18

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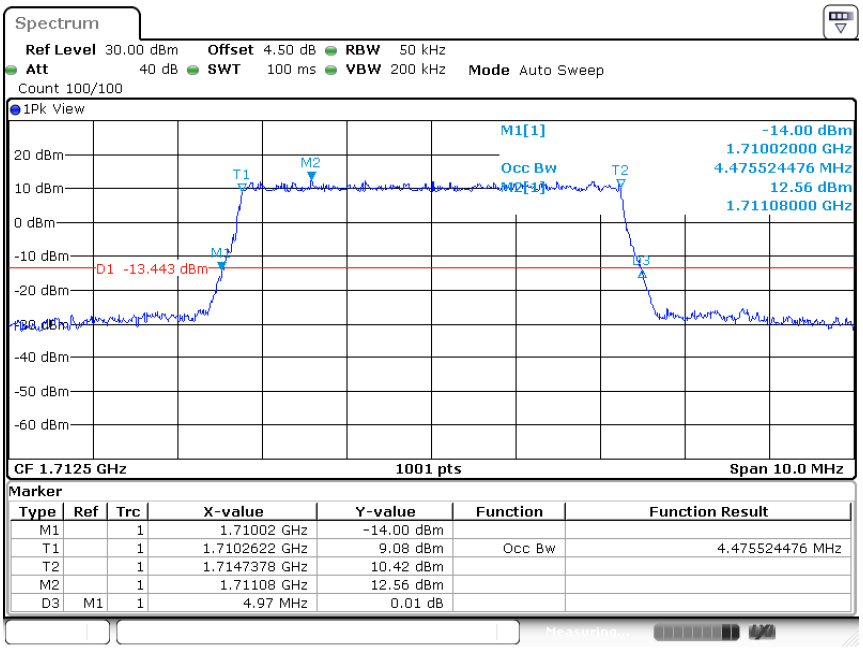
Band4-5MHz-16QAM-19975-25RB#0-4.476



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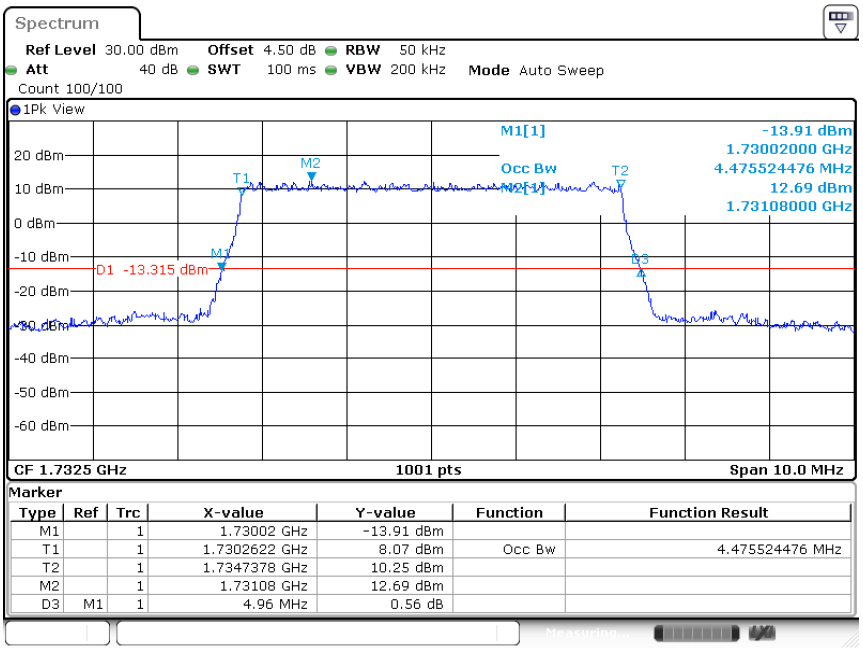
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.71002 GHz	-14.00 dBm		
T1		1	1.7102622 GHz	9.08 dBm	Occ Bw	4.475524476 MHz
T2		1	1.7147378 GHz	10.42 dBm		
M2		1	1.71108 GHz	12.56 dBm		
D3	M1	1	4.97 MHz	0.01 dB		

Date: 3.SEP.2020 22:05:55

Band4-5MHz-16QAM-20175-25RB#0-4.476



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.73002 GHz	-13.91 dBm		
T1		1	1.7302622 GHz	8.07 dBm	Occ Bw	4.475524476 MHz
T2		1	1.7347378 GHz	10.25 dBm		
M2		1	1.73108 GHz	12.69 dBm		
D3	M1	1	4.96 MHz	0.56 dB		

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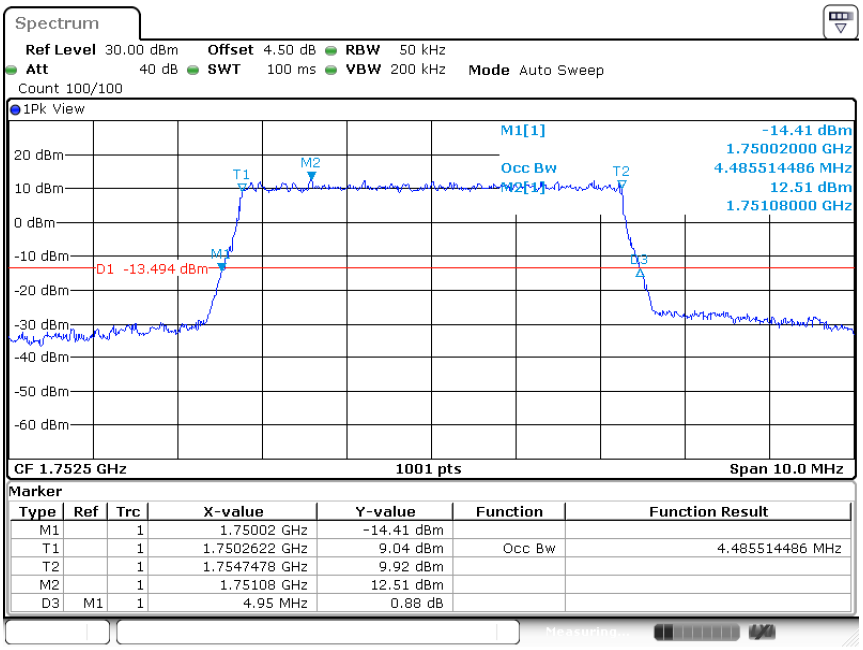
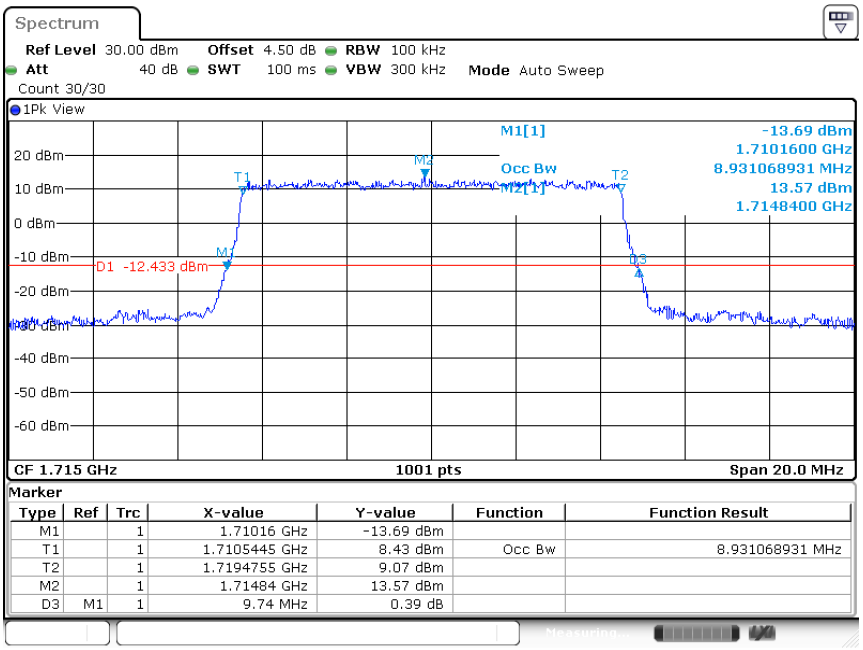


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.75002 GHz	-14.41 dBm		
T1		1	1.7502622 GHz	9.04 dBm	Occ Bw	4.485514486 MHz
T2		1	1.7547478 GHz	9.92 dBm		
M2		1	1.75108 GHz	12.51 dBm		
D3	M1	1	4.95 MHz	0.88 dB		

Date: 3.SEP.2020 22:07:14

Band4-10MHz-QPSK-20000-50RB#0-8.931



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.71016 GHz	-13.69 dBm		
T1		1	1.7105445 GHz	8.43 dBm	Occ Bw	8.931068931 MHz
T2		1	1.7194755 GHz	9.07 dBm		
M2		1	1.71484 GHz	13.57 dBm		
D3	M1	1	9.74 MHz	0.39 dB		

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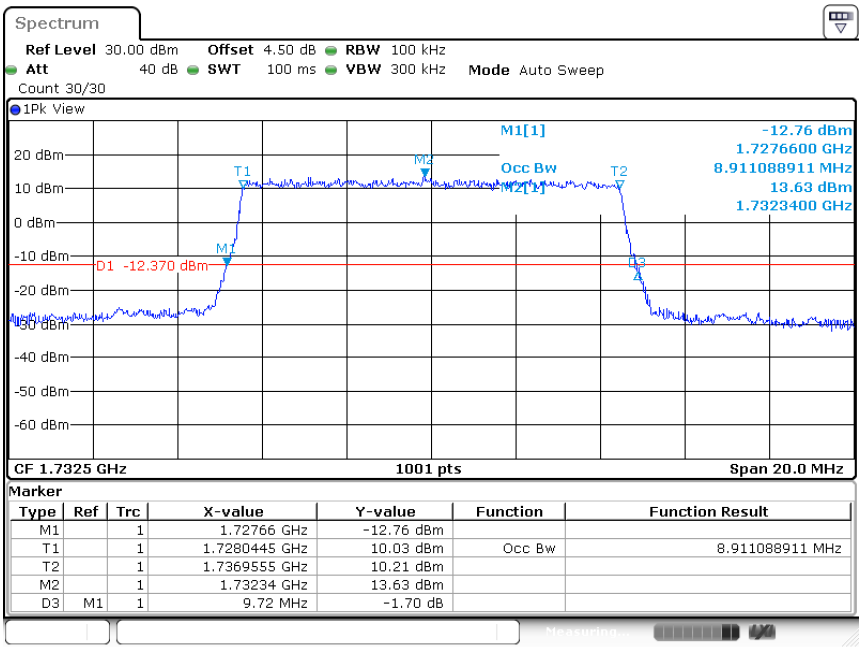
Band4-10MHz-QPSK-20175-50RB#0-8.911



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.72766 GHz	-12.76 dBm		
T1		1	1.7280445 GHz	10.03 dBm	Occ Bw	8.911088911 MHz
T2		1	1.7369555 GHz	10.21 dBm		
M2		1	1.73234 GHz	13.63 dBm		
D3	M1	1	9.72 MHz	-1.70 dB		

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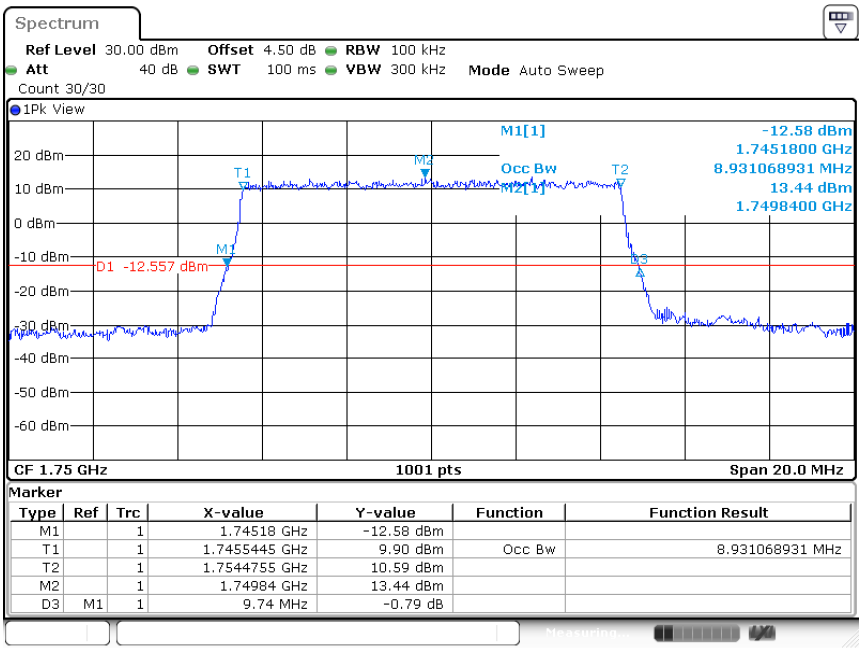
Band4-10MHz-QPSK-20350-50RB#0-8.931



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.74518 GHz	-12.58 dBm		
T1		1	1.7455445 GHz	9.90 dBm	Occ Bw	8.931068931 MHz
T2		1	1.7544755 GHz	10.59 dBm		
M2		1	1.74984 GHz	13.44 dBm		
D3	M1	1	9.74 MHz	-0.79 dB		

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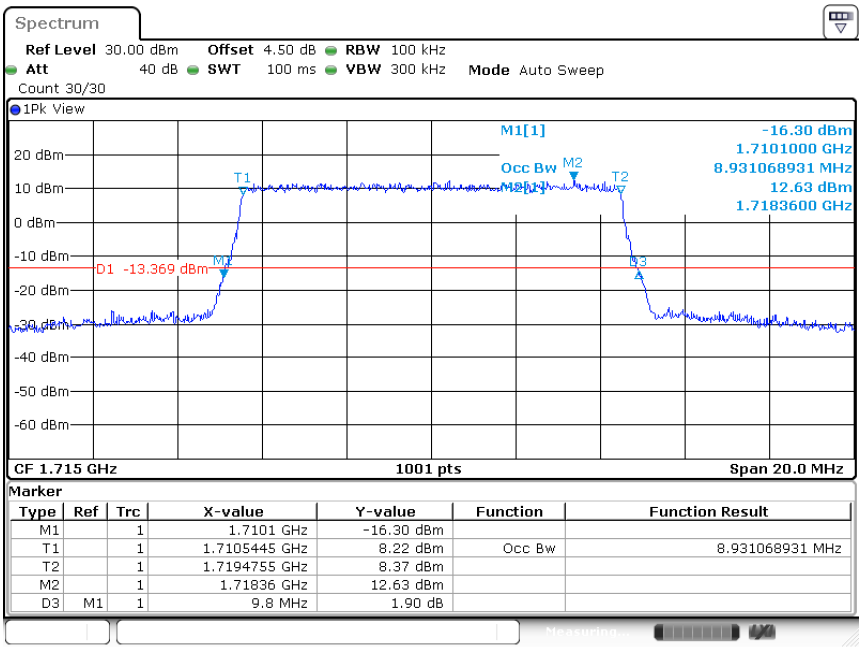
Band4-10MHz-64QAM-20000-50RB#0-8.931



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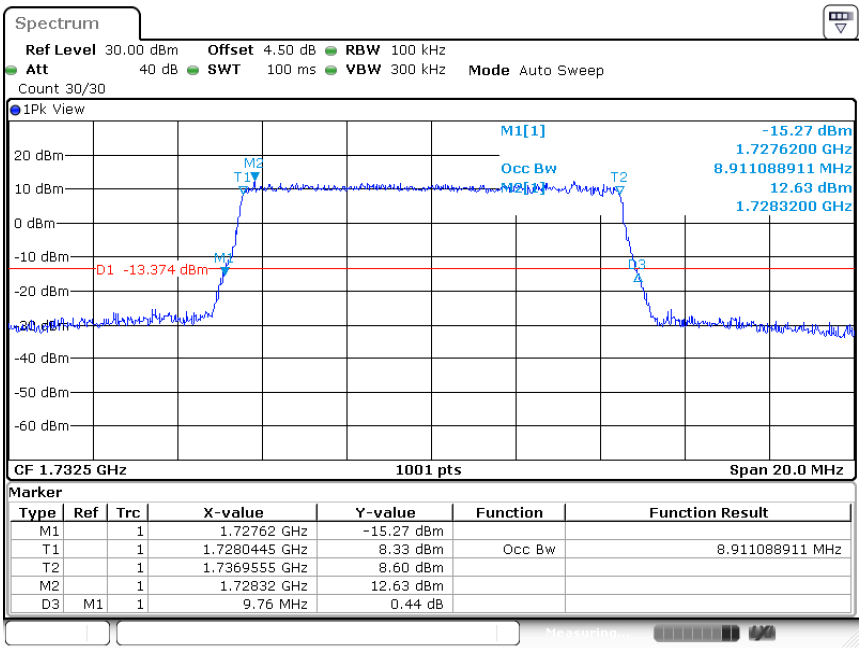
Band4-10MHz-64QAM-20175-50RB#0-8.911



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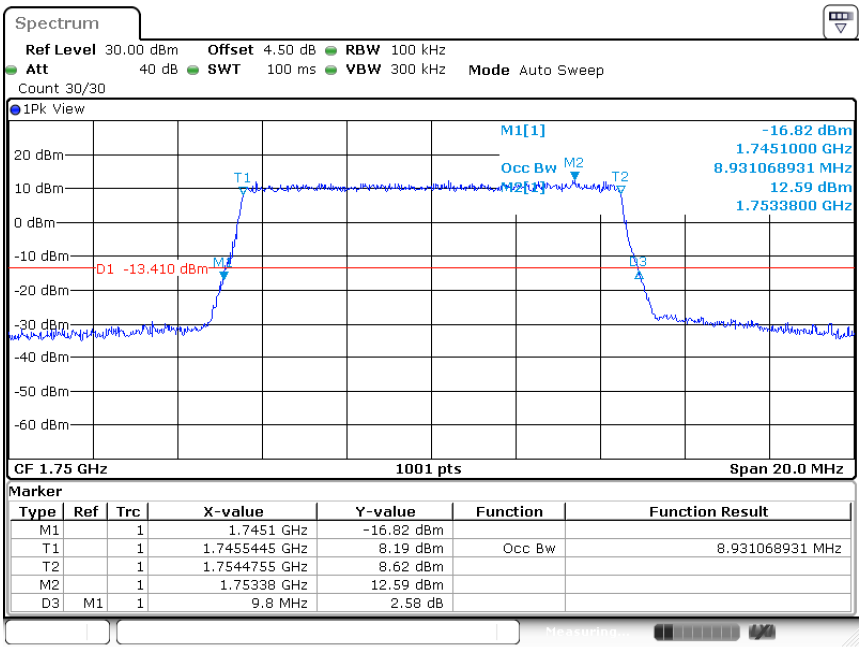

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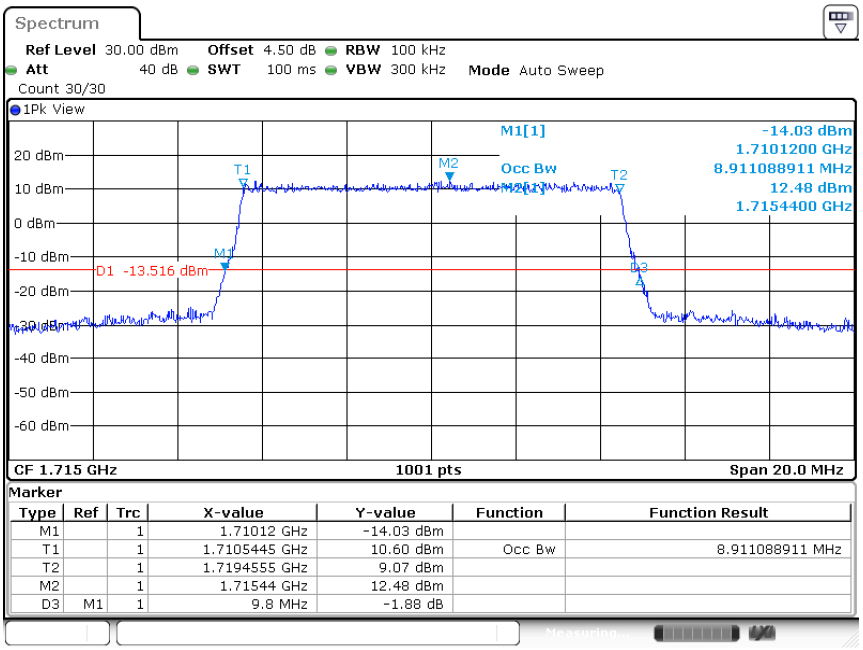
Band4-10MHz-16QAM-20000-50RB#0-8.911



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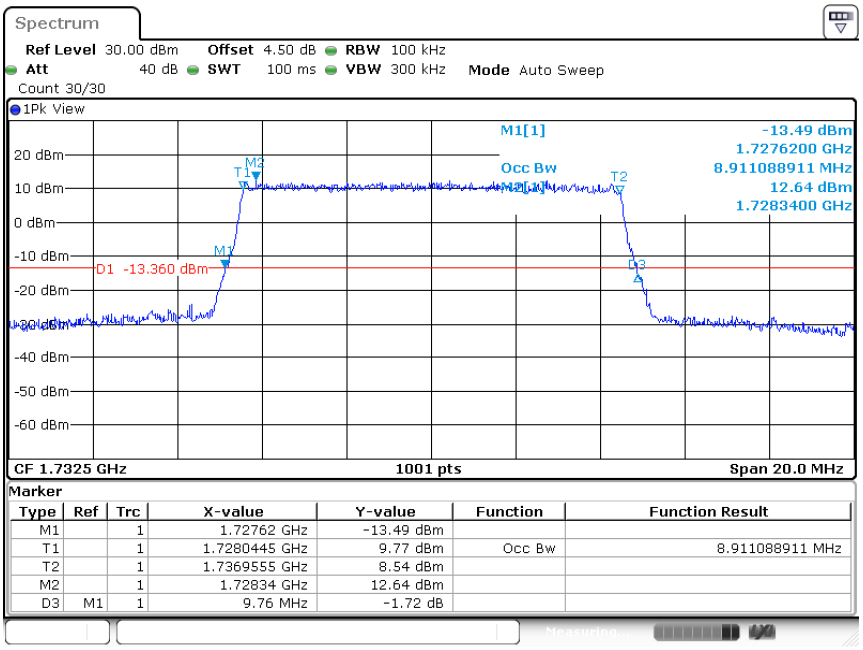

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.72762 GHz	-13.49 dBm		
T1		1	1.7280445 GHz	9.77 dBm	Occ Bw	8.911088911 MHz
T2		1	1.7369555 GHz	8.54 dBm		
M2		1	1.72834 GHz	12.64 dBm		
D3	M1	1	9.76 MHz	-1.72 dB		

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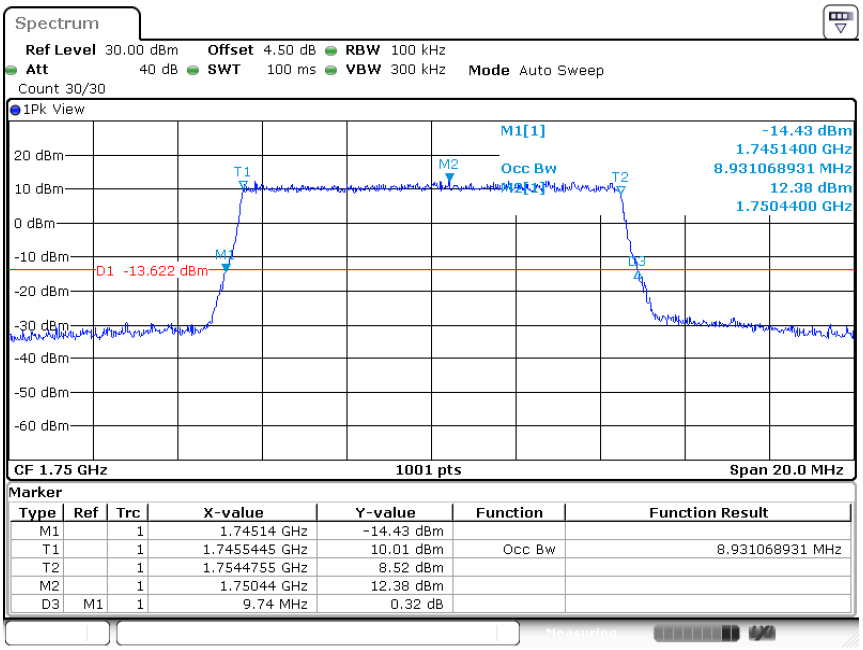
Band4-10MHz-16QAM-20350-50RB#0-8.931



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.74514 GHz	-14.43 dBm		
T1		1	1.7455445 GHz	10.01 dBm	Occ Bw	8.931068931 MHz
T2		1	1.7544755 GHz	8.52 dBm		
M2		1	1.75044 GHz	12.38 dBm		
D3	M1	1	9.74 MHz	0.32 dB		

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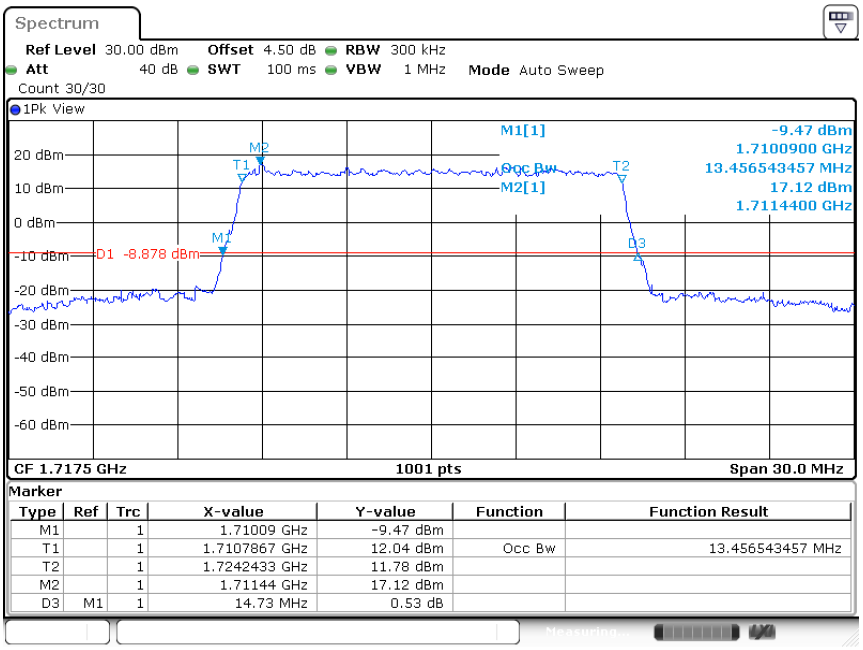
Band4-15MHz-QPSK-20025-75RB#0-13.457



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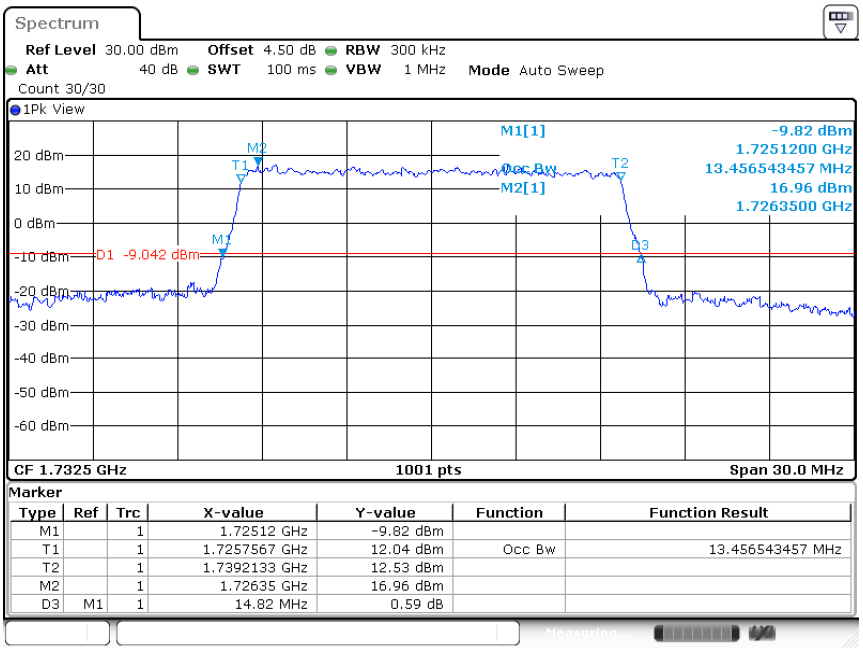
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.71009 GHz	-9.47 dBm		
T1		1	1.7107867 GHz	12.04 dBm	Occ Bw	13.456543457 MHz
T2		1	1.7242433 GHz	11.78 dBm		
M2		1	1.71144 GHz	17.12 dBm		
D3	M1	1	14.73 MHz	0.53 dB		

Date: 3.SEP.2020 22:08:55

Band4-15MHz-QPSK-20175-75RB#0-13.457



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.72512 GHz	-9.82 dBm		
T1		1	1.7257567 GHz	12.04 dBm	Occ Bw	13.456543457 MHz
T2		1	1.7392133 GHz	12.53 dBm		
M2		1	1.72635 GHz	16.96 dBm		
D3	M1	1	14.82 MHz	0.59 dB		

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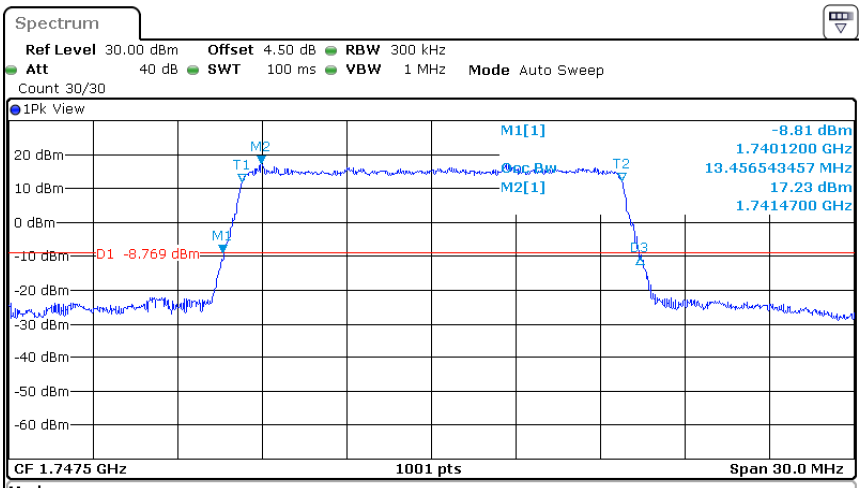

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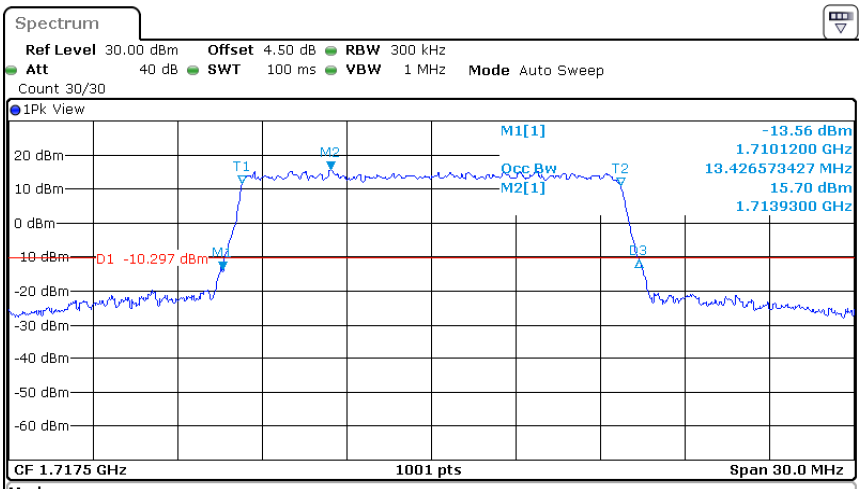
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.74012 GHz	-8.81 dBm		
T1		1	1.7407867 GHz	12.12 dBm	Occ Bw	13.456543457 MHz
T2		1	1.7542433 GHz	12.26 dBm		
M2		1	1.74147 GHz	17.23 dBm		
D3	M1	1	14.76 MHz	-1.29 dB		

Date: 3.SEP.2020 22:09:48

Band4-15MHz-64QAM-20025-75RB#0-13.427



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.71012 GHz	-13.56 dBm		
T1		1	1.7107867 GHz	11.68 dBm	Occ Bw	13.426573427 MHz
T2		1	1.7242133 GHz	10.97 dBm		
M2		1	1.71393 GHz	15.70 dBm		
D3	M1	1	14.73 MHz	2.62 dB		

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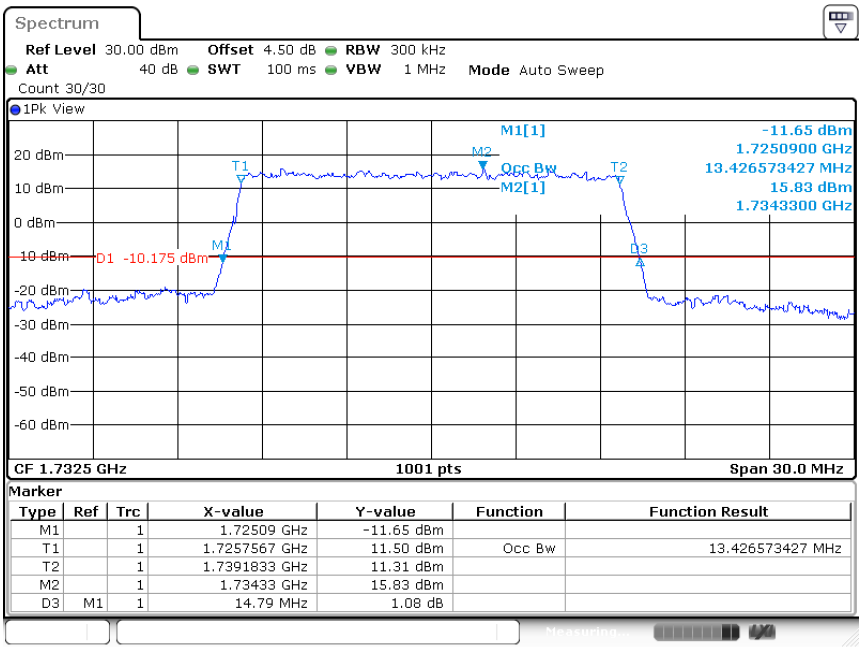
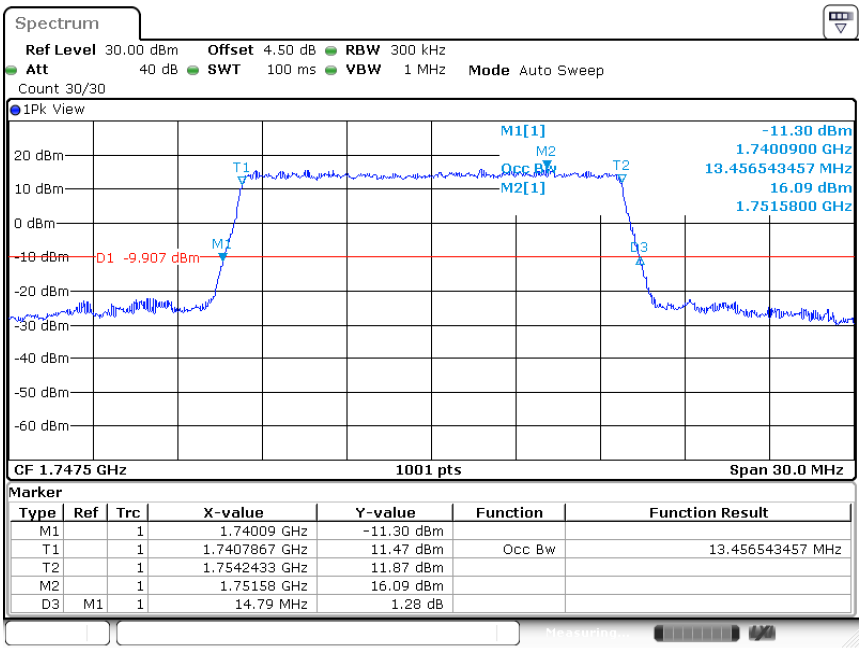


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.72509 GHz	-11.65 dBm		
T1		1	1.7257567 GHz	11.50 dBm	Occ Bw	13.426573427 MHz
T2		1	1.7391833 GHz	11.31 dBm		
M2		1	1.73433 GHz	15.83 dBm		
D3	M1	1	14.79 MHz	1.08 dB		

Date: 3.SEP.2020 23:56:33

Band4-15MHz-64QAM-20325-75RB#0-13.457



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.74009 GHz	-11.30 dBm		
T1		1	1.7407867 GHz	11.47 dBm	Occ Bw	13.456543457 MHz
T2		1	1.7542433 GHz	11.87 dBm		
M2		1	1.75158 GHz	16.09 dBm		
D3	M1	1	14.79 MHz	1.28 dB		

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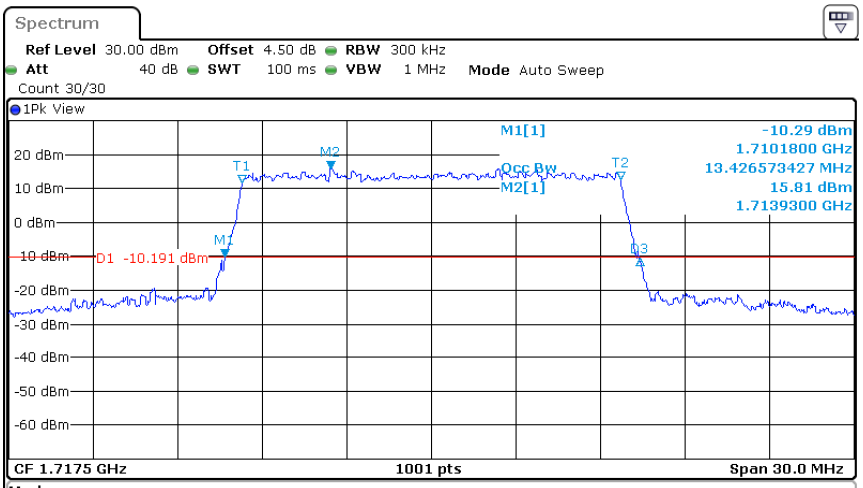
Band4-15MHz-16QAM-20025-75RB#0-13.427

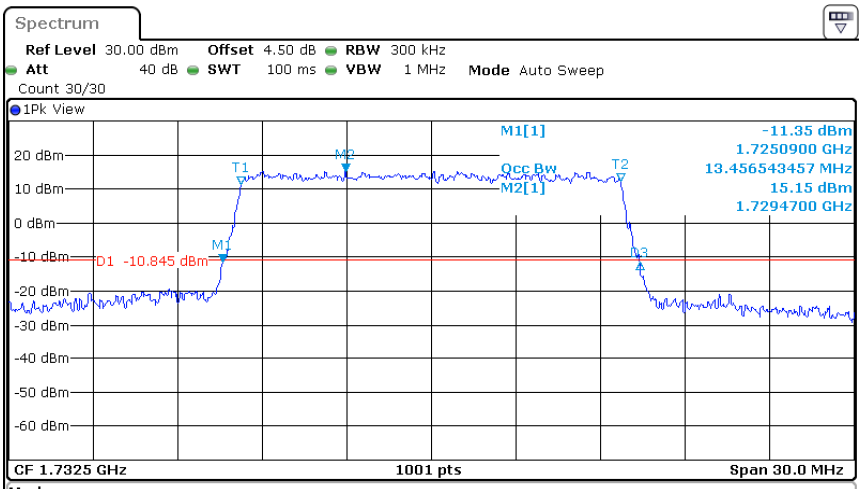


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.71018 GHz	-10.29 dBm		
T1		1	1.7107867 GHz	11.61 dBm	Occ Bw	13.426573427 MHz
T2		1	1.7242133 GHz	12.62 dBm		
M2		1	1.71393 GHz	15.81 dBm		
D3	M1	1	14.7 MHz	-0.14 dB		

Date: 3.SEP.2020 22:09:09

Band4-15MHz-16QAM-20175-75RB#0-13.457



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.72509 GHz	-11.35 dBm		
T1		1	1.7257567 GHz	11.20 dBm	Occ Bw	13.456543457 MHz
T2		1	1.7392133 GHz	12.14 dBm		
M2		1	1.72947 GHz	15.15 dBm		
D3	M1	1	14.82 MHz	-0.02 dB		

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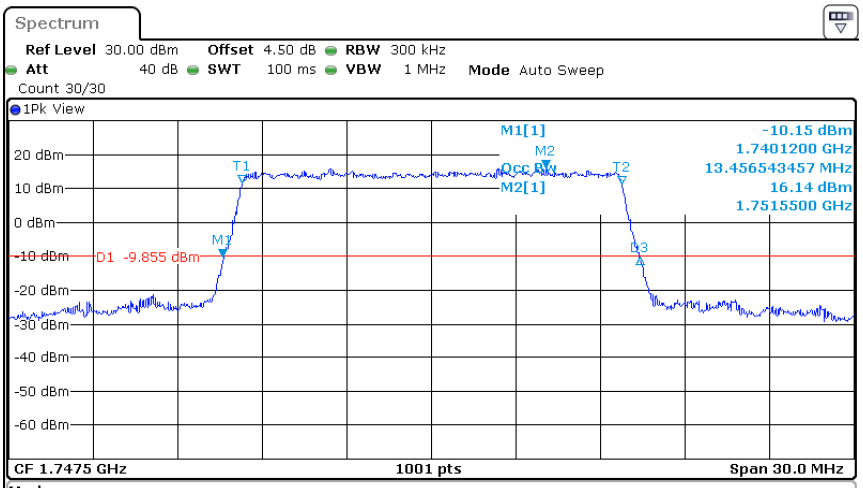
Band4-15MHz-16QAM-20325-75RB#0-13.457

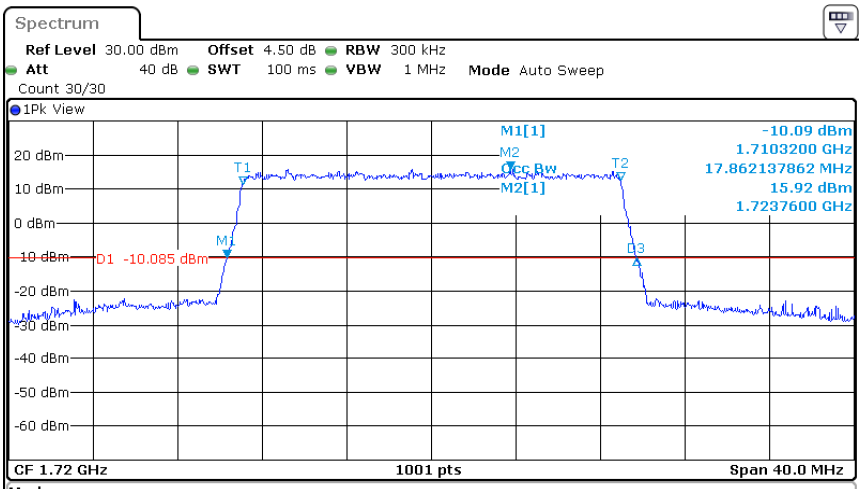


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.74012 GHz	-10.15 dBm		
T1		1	1.7407867 GHz	11.79 dBm	Occ Bw	13.456543457 MHz
T2		1	1.7542433 GHz	11.36 dBm		
M2		1	1.75155 GHz	16.14 dBm		
D3	M1	1	14.76 MHz	0.09 dB		

Date: 3.SEP.2020 22:10:01

Band4-20MHz-QPSK-20050-100RB#0-17.862



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.71032 GHz	-10.09 dBm		
T1		1	1.7110889 GHz	11.46 dBm	Occ Bw	17.862137862 MHz
T2		1	1.728951 GHz	12.60 dBm		
M2		1	1.72376 GHz	15.92 dBm		
D3	M1	1	19.4 MHz	-0.05 dB		

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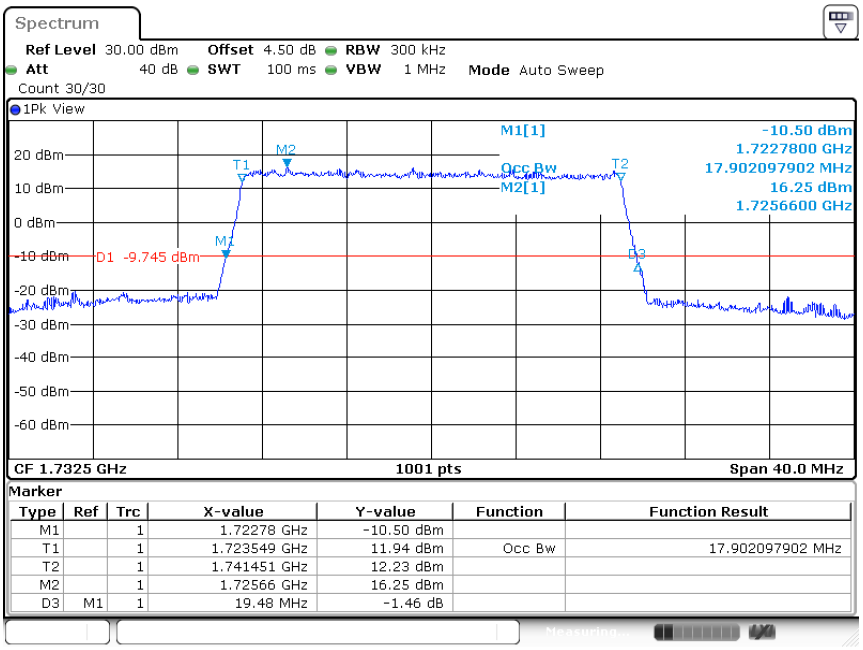
Band4-20MHz-QPSK-20175-100RB#0-17.902



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.72278 GHz	-10.50 dBm		
T1		1	1.723549 GHz	11.94 dBm	Occ Bw	17.902097902 MHz
T2		1	1.741451 GHz	12.23 dBm		
M2		1	1.72566 GHz	16.25 dBm		
D3	M1	1	19.48 MHz	-1.46 dB		

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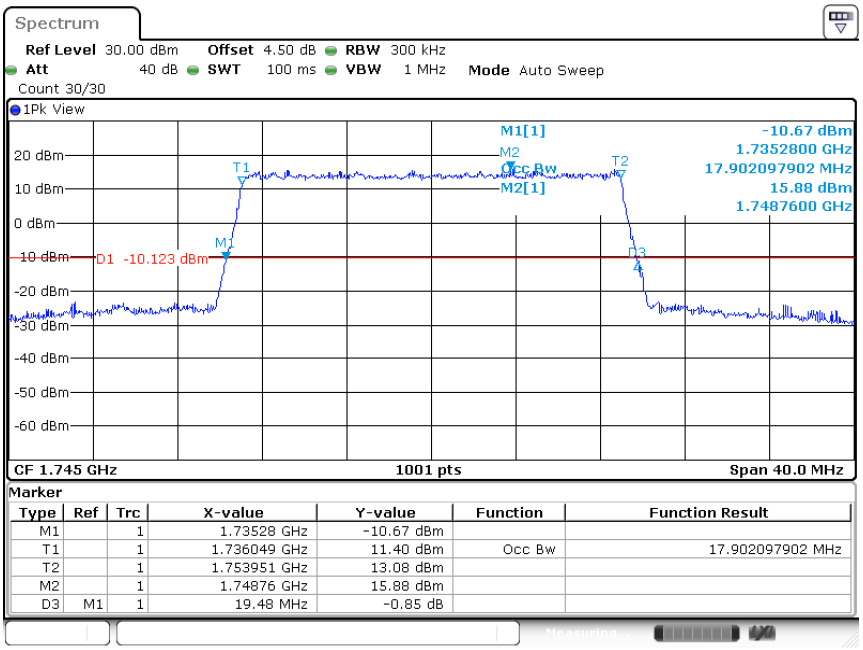
Band4-20MHz-QPSK-20300-100RB#0-17.902



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.73528 GHz	-10.67 dBm		
T1		1	1.736049 GHz	11.40 dBm	Occ Bw	17.902097902 MHz
T2		1	1.753951 GHz	13.08 dBm		
M2		1	1.74876 GHz	15.88 dBm		
D3	M1	1	19.48 MHz	-0.85 dB		

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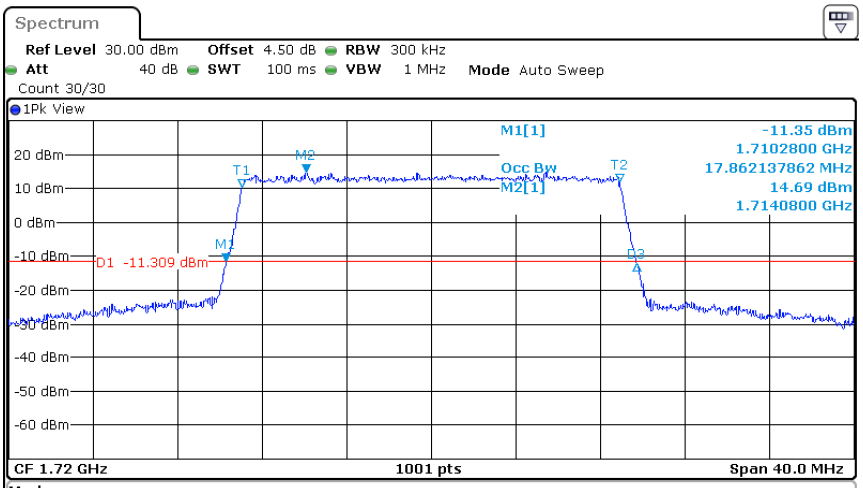
Band4-20MHz-64QAM-20050-100RB#0-17.862

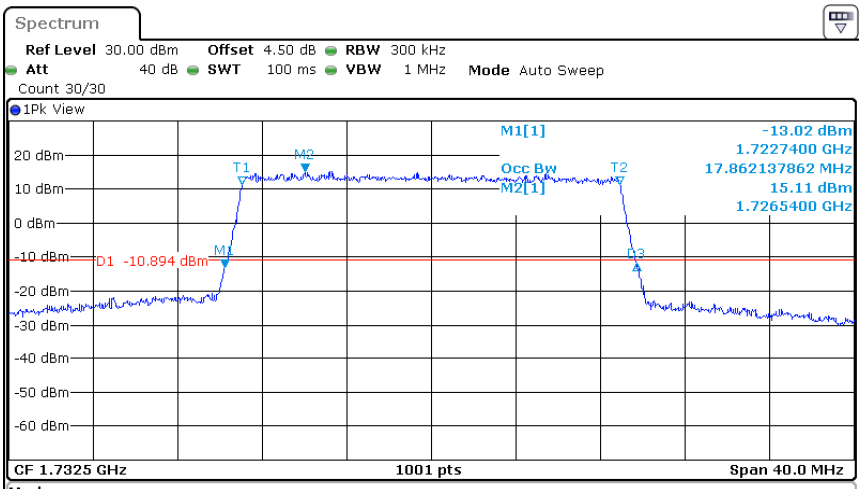


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.71028 GHz	-11.35 dBm		
T1		1	1.711049 GHz	10.53 dBm	Occ Bw	17.862137862 MHz
T2		1	1.7289111 GHz	12.06 dBm		
M2		1	1.71408 GHz	14.69 dBm		
D3	M1	1	19.44 MHz	-0.72 dB		

Date: 3.SEP.2020 23:57:04

Band4-20MHz-64QAM-20175-100RB#0-17.862



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.72274 GHz	-13.02 dBm		
T1		1	1.723549 GHz	11.38 dBm	Occ Bw	17.862137862 MHz
T2		1	1.7414111 GHz	11.31 dBm		
M2		1	1.72654 GHz	15.11 dBm		
D3	M1	1	19.48 MHz	1.17 dB		

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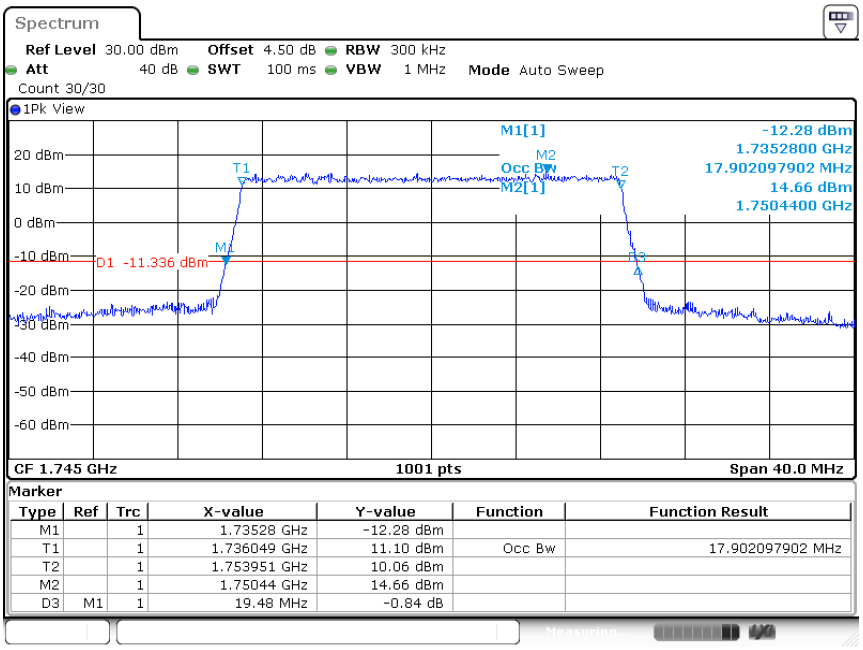

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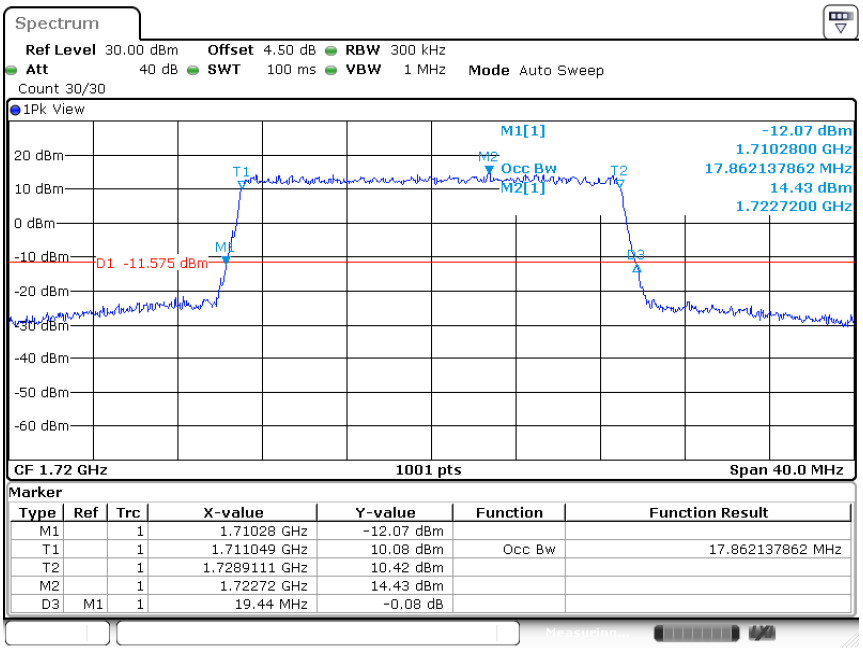
Band4-20MHz-16QAM-20050-100RB#0-17.862



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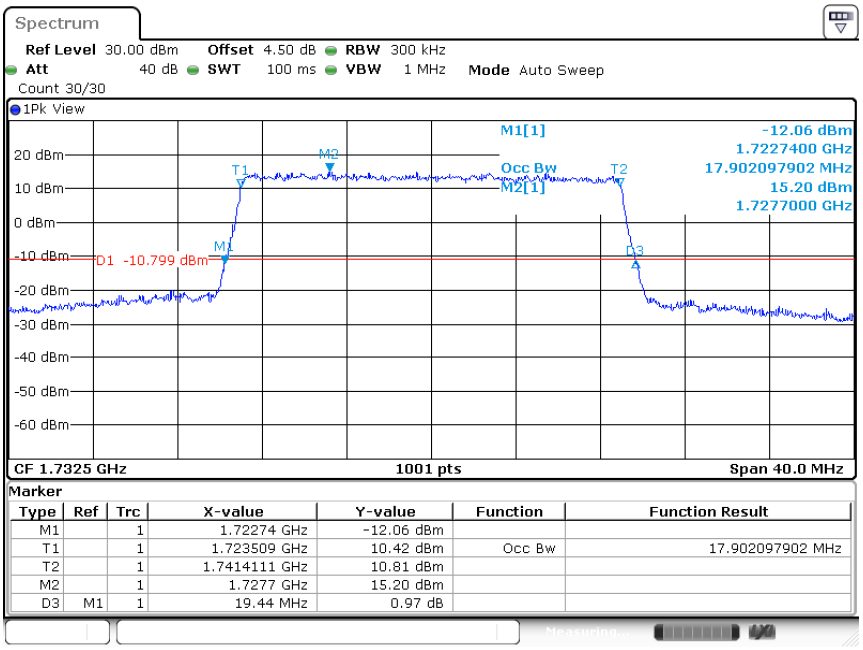

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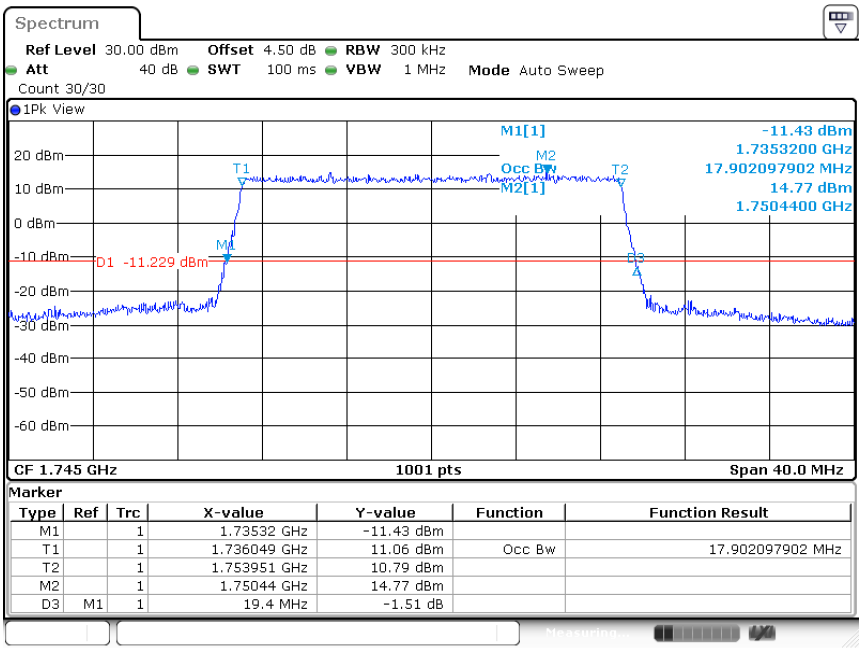
Band4-20MHz-16QAM-20300-100RB#0-17.902



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5. Band Edge Compliance

5.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	-23.44	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	-28.10	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	-24.54	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	-28.03	PASS
Band4	1.4MHz	64QAM	19957	1RB#0	-24.30	PASS
Band4	1.4MHz	64QAM	19957	6RB#0	-29.86	PASS
Band4	1.4MHz	64QAM	20393	1RB#5	-25.13	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	-28.33	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	-23.26	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	-28.73	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	-24.78	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	-27.83	PASS
Band4	3MHz	QPSK	19965	1RB#0	-21.70	PASS
Band4	3MHz	QPSK	19965	15RB#0	-30.10	PASS
Band4	3MHz	QPSK	20385	1RB#14	-23.57	PASS
Band4	3MHz	QPSK	20385	15RB#0	-28.46	PASS
Band4	3MHz	64QAM	19965	1RB#0	-22.37	PASS
Band4	3MHz	64QAM	19965	15RB#0	-30.99	PASS
Band4	3MHz	64QAM	20385	1RB#14	-23.92	PASS
Band4	3MHz	64QAM	20385	15RB#0	-31.06	PASS
Band4	3MHz	16QAM	19965	1RB#0	-22.35	PASS
Band4	3MHz	16QAM	19965	15RB#0	-30.97	PASS
Band4	3MHz	16QAM	20385	1RB#14	-24.84	PASS
Band4	3MHz	16QAM	20385	15RB#0	-30.30	PASS
Band4	5MHz	QPSK	19975	1RB#0	-22.75	PASS
Band4	5MHz	QPSK	19975	25RB#0	-30.73	PASS
Band4	5MHz	QPSK	20375	1RB#24	-23.13	PASS
Band4	5MHz	QPSK	20375	25RB#0	-29.03	PASS
Band4	5MHz	64QAM	19975	1RB#0	-23.37	PASS
Band4	5MHz	64QAM	19975	25RB#0	-31.64	PASS
Band4	5MHz	64QAM	20375	1RB#24	-23.44	PASS
Band4	5MHz	64QAM	20375	25RB#0	-30.71	PASS

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Band4	5MHz	16QAM	19975	1RB#0	-23.56	PASS
Band4	5MHz	16QAM	19975	25RB#0	-30.86	PASS
Band4	5MHz	16QAM	20375	1RB#24	-23.18	PASS
Band4	5MHz	16QAM	20375	25RB#0	-29.88	PASS
Band4	10MHz	QPSK	20000	1RB#0	-31.78	PASS
Band4	10MHz	QPSK	20000	50RB#0	-34.78	PASS
Band4	10MHz	QPSK	20350	1RB#49	-31.80	PASS
Band4	10MHz	QPSK	20350	50RB#0	-32.91	PASS
Band4	10MHz	64QAM	20000	1RB#0	-32.75	PASS
Band4	10MHz	64QAM	20000	50RB#0	-35.29	PASS
Band4	10MHz	64QAM	20350	1RB#49	-32.65	PASS
Band4	10MHz	64QAM	20350	50RB#0	-33.11	PASS
Band4	10MHz	16QAM	20000	1RB#0	-32.83	PASS
Band4	10MHz	16QAM	20000	50RB#0	-35.42	PASS
Band4	10MHz	16QAM	20350	1RB#49	-32.80	PASS
Band4	10MHz	16QAM	20350	50RB#0	-33.32	PASS
Band4	15MHz	QPSK	20025	1RB#0	-27.20	PASS
Band4	15MHz	QPSK	20025	75RB#0	-34.24	PASS
Band4	15MHz	QPSK	20325	1RB#74	-26.52	PASS
Band4	15MHz	QPSK	20325	75RB#0	-33.64	PASS
Band4	15MHz	64QAM	20025	1RB#0	-27.96	PASS
Band4	15MHz	64QAM	20025	75RB#0	-35.75	PASS
Band4	15MHz	64QAM	20325	1RB#74	-25.66	PASS
Band4	15MHz	64QAM	20325	75RB#0	-33.86	PASS
Band4	15MHz	16QAM	20025	1RB#0	-27.97	PASS
Band4	15MHz	16QAM	20025	75RB#0	-35.67	PASS
Band4	15MHz	16QAM	20325	1RB#74	-25.85	PASS
Band4	15MHz	16QAM	20325	75RB#0	-33.93	PASS
Band4	20MHz	QPSK	20050	1RB#0	-28.61	PASS
Band4	20MHz	QPSK	20050	100RB#0	-33.96	PASS
Band4	20MHz	QPSK	20300	1RB#99	-28.25	PASS
Band4	20MHz	QPSK	20300	100RB#0	-34.20	PASS
Band4	20MHz	64QAM	20050	1RB#0	-29.23	PASS
Band4	20MHz	64QAM	20050	100RB#0	-35.94	PASS
Band4	20MHz	64QAM	20300	1RB#99	-28.26	PASS
Band4	20MHz	64QAM	20300	100RB#0	-34.98	PASS
Band4	20MHz	16QAM	20050	1RB#0	-28.88	PASS
Band4	20MHz	16QAM	20050	100RB#0	-35.91	PASS

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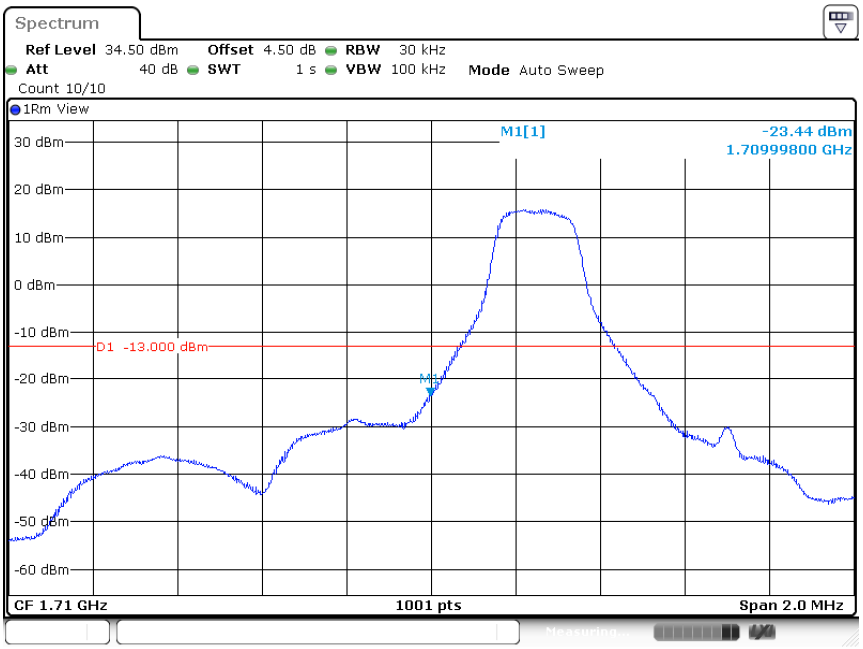
Band4	20MHz	16QAM	20300	1RB#99	-28.43	PASS
Band4	20MHz	16QAM	20300	100RB#0	-34.98	PASS

5.2. Test Plots

Band4-1.4MHz-QPSK-19957-1RB#0



Date: 3.SEP.2020 22:11:49

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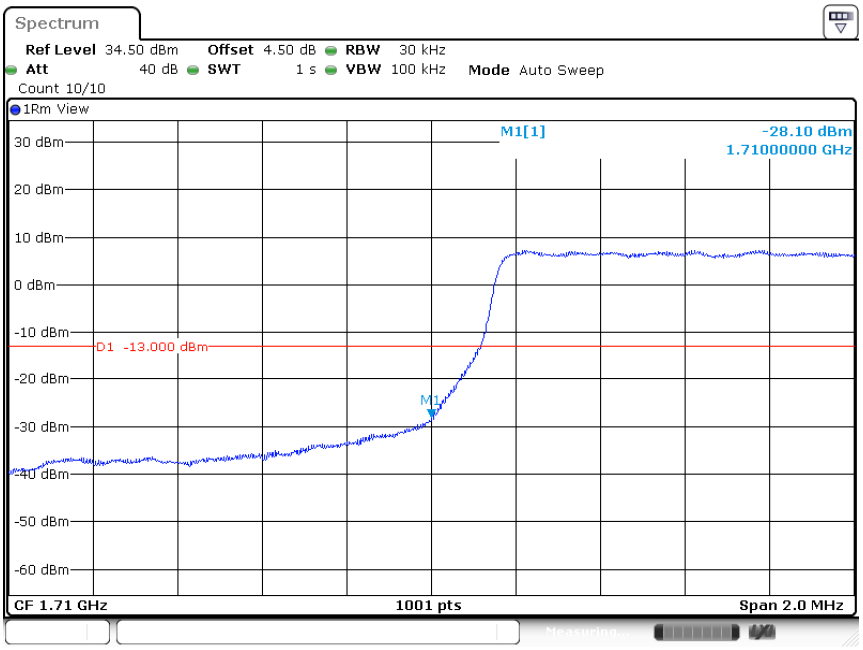
Band4-1.4MHz-QPSK-19957-6RB#0



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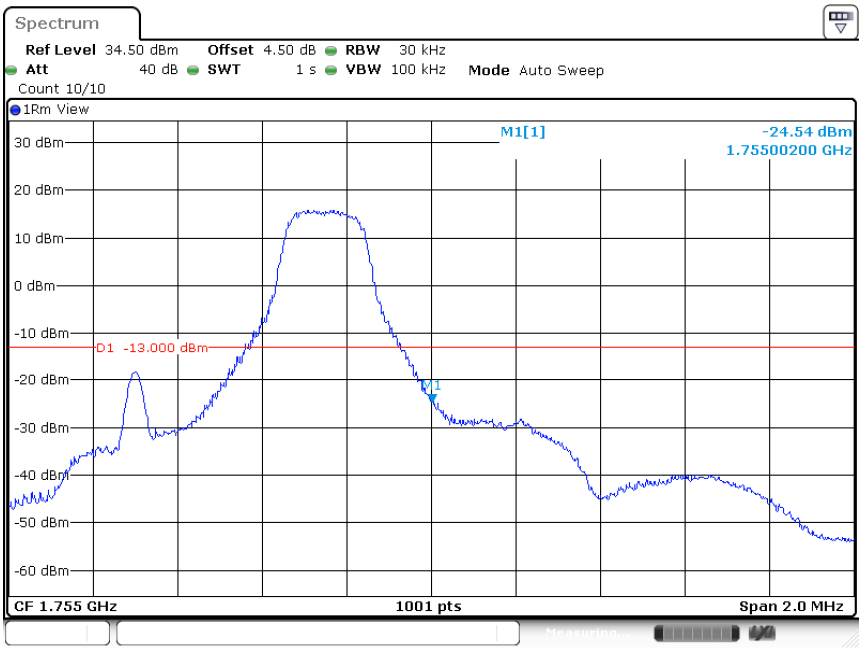
Band4-1.4MHz-QPSK-20393-1RB#5



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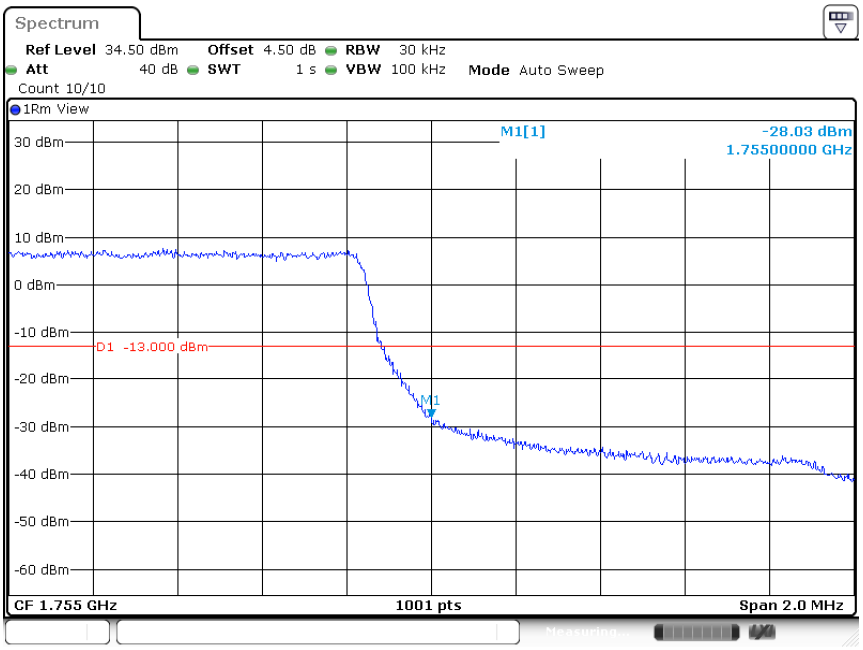
Band4-1.4MHz-QPSK-20393-6RB#0



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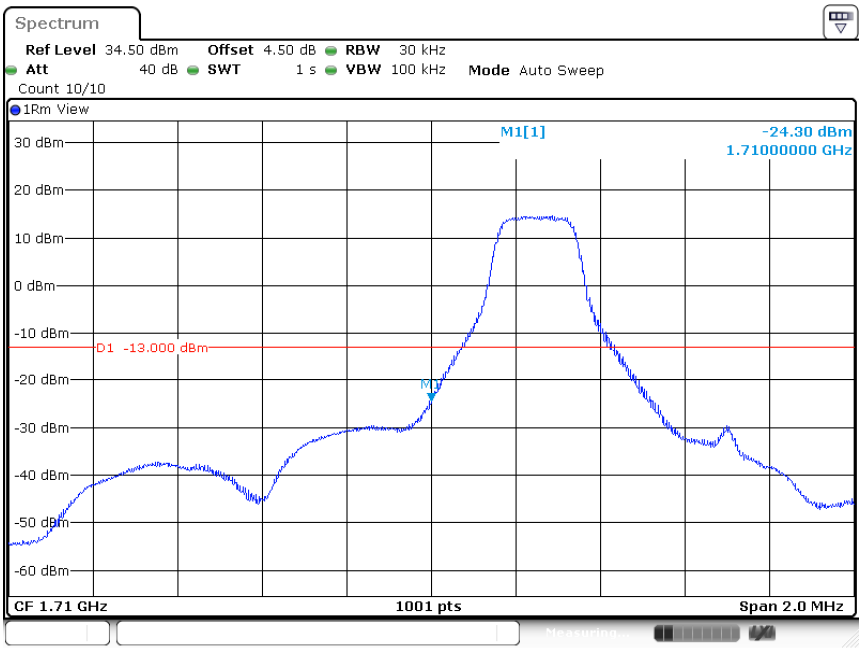
Band4-1.4MHz-64QAM-19957-1RB#0



Date: 3.SEP.2020 23:57:56

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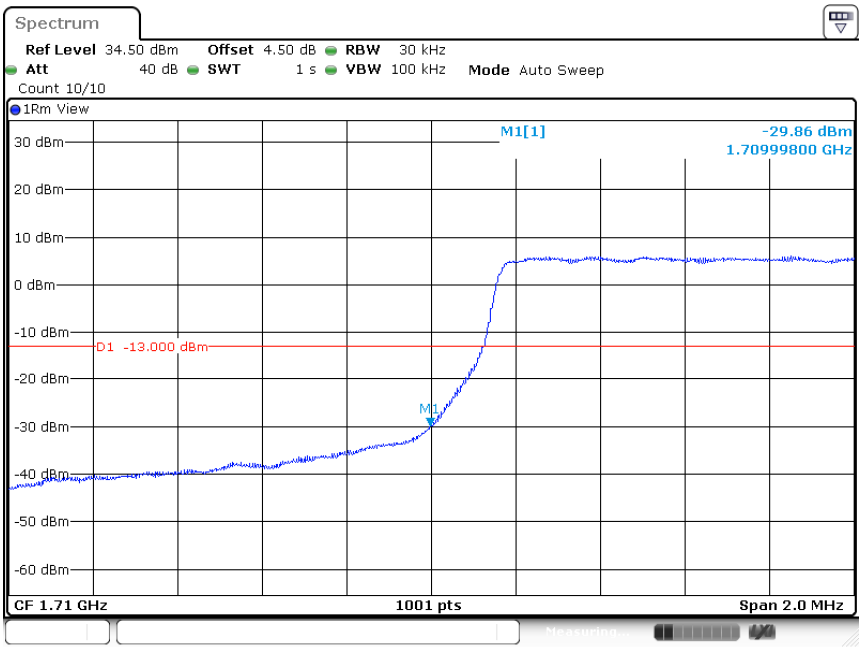
Band4-1.4MHz-64QAM-19957-6RB#0



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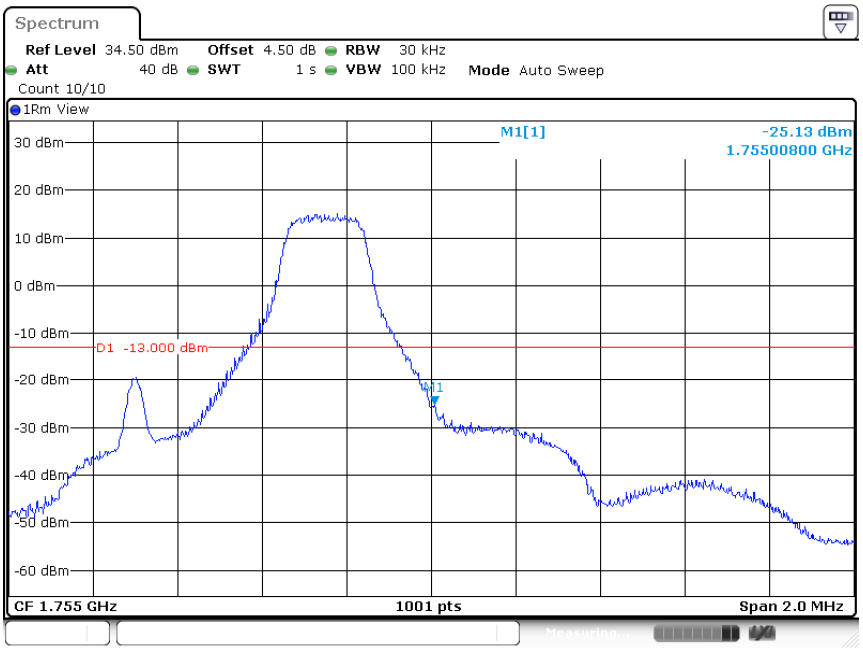
Band4-1.4MHz-64QAM-20393-1RB#5



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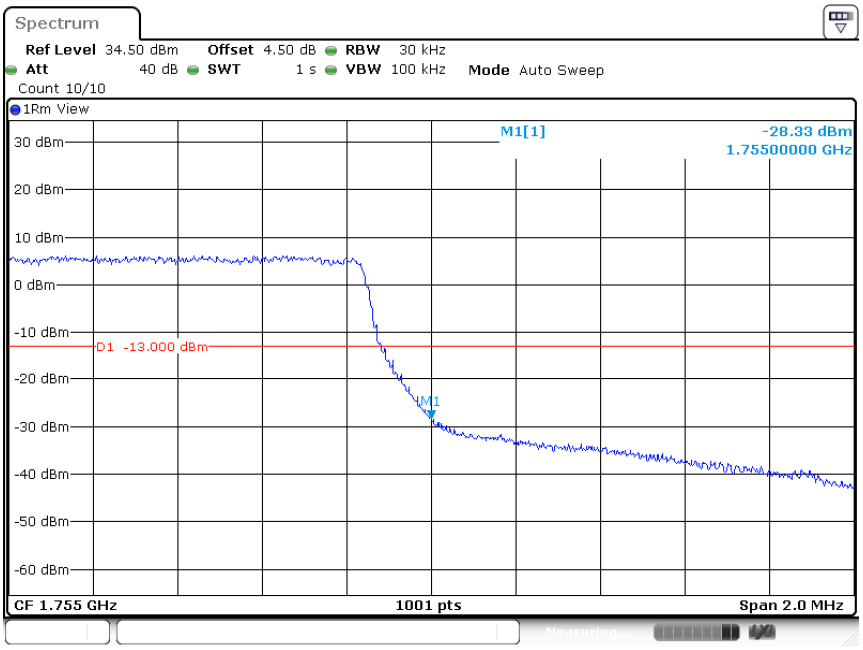
Band4-1.4MHz-64QAM-20393-6RB#0



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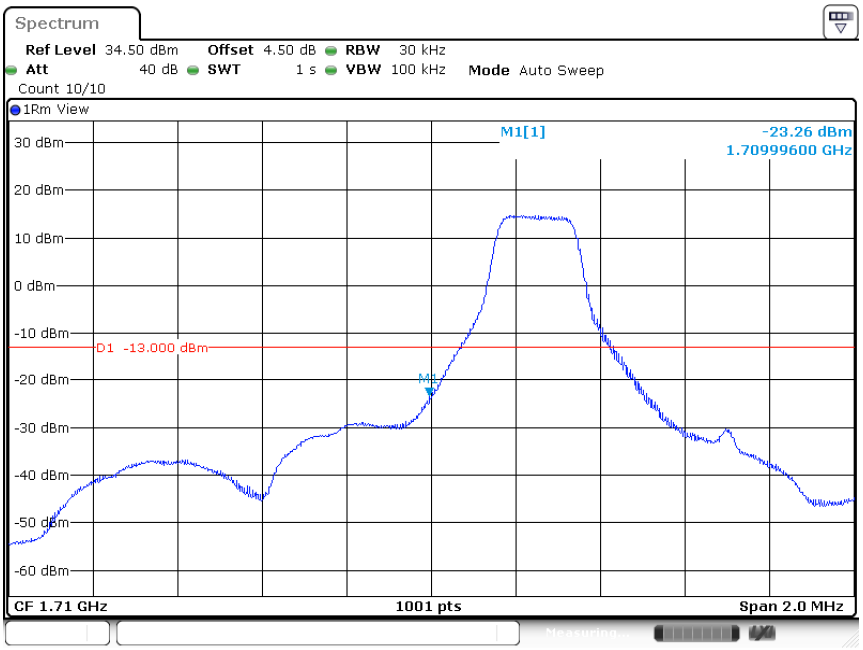
Band4-1.4MHz-16QAM-19957-1RB#0



Date: 3.SEP.2020 22:12:13

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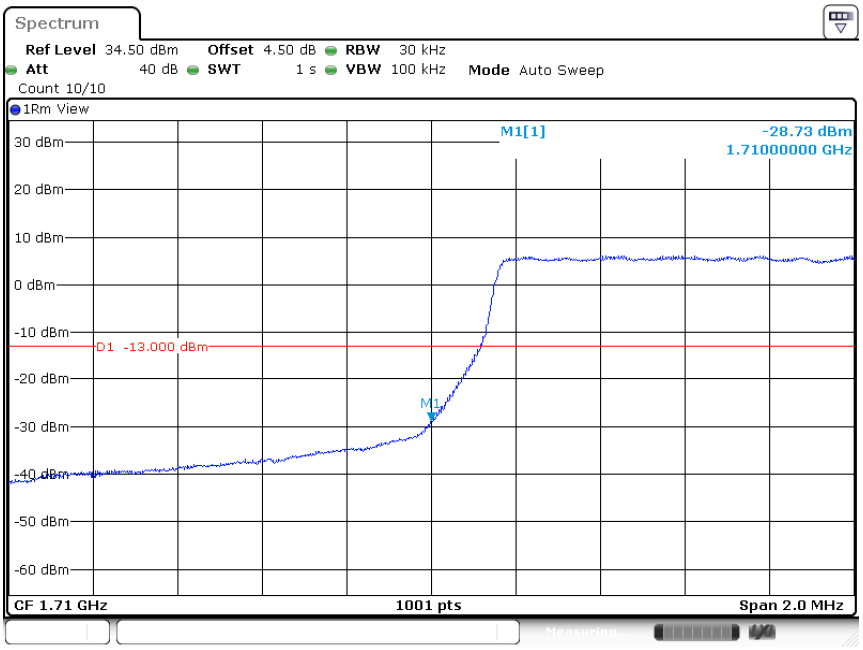

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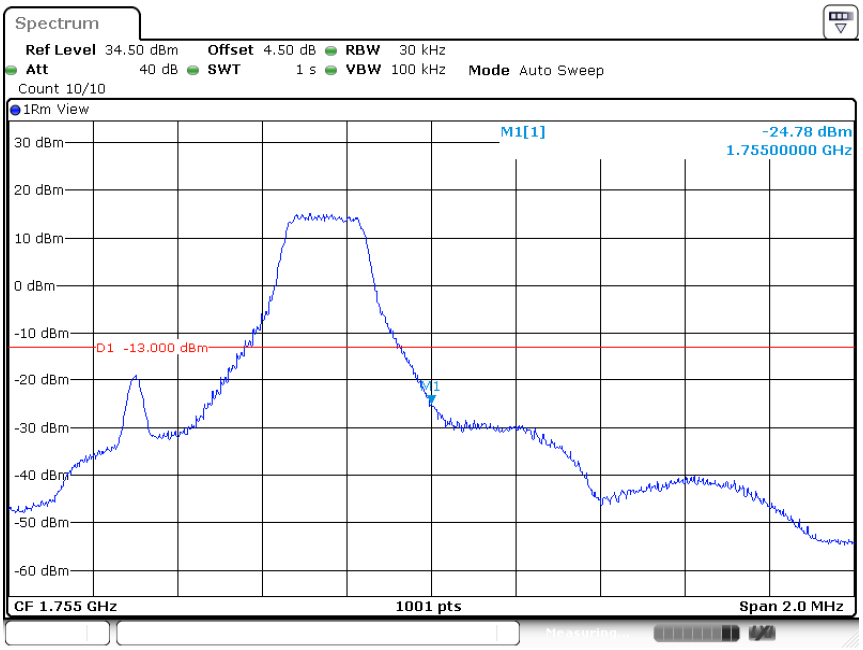
Band4-1.4MHz-16QAM-20393-1RB#5



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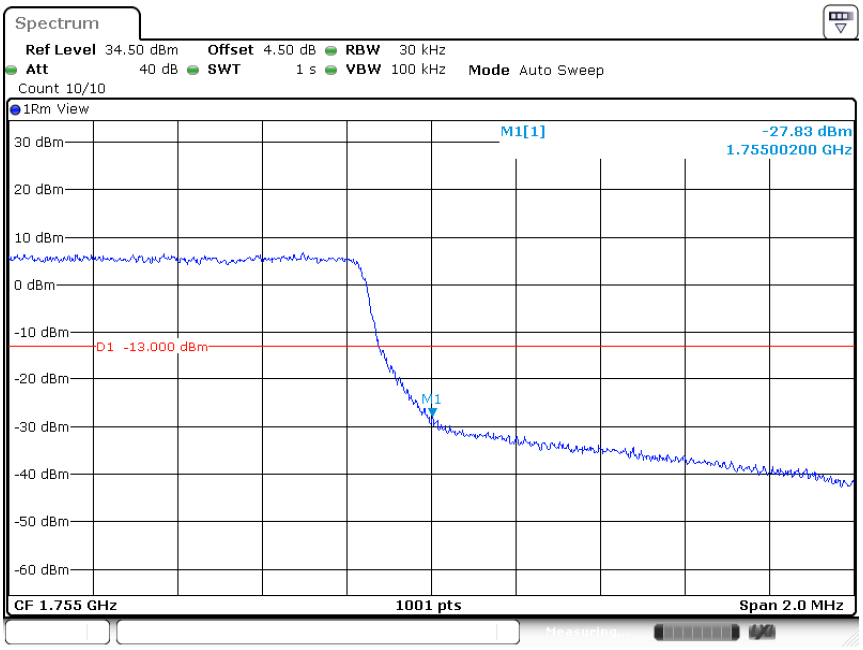

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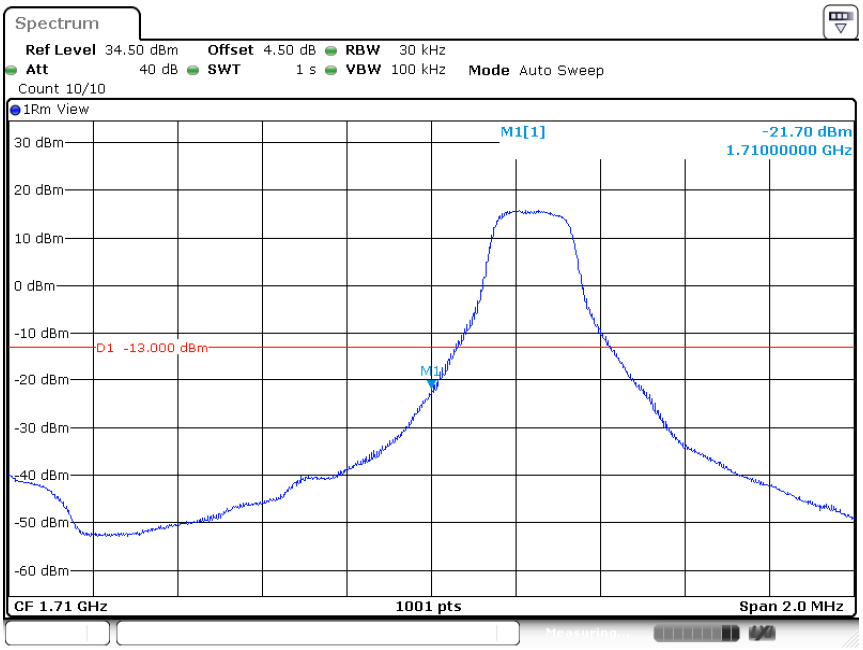
Band4-3MHz-QPSK-19965-1RB#0



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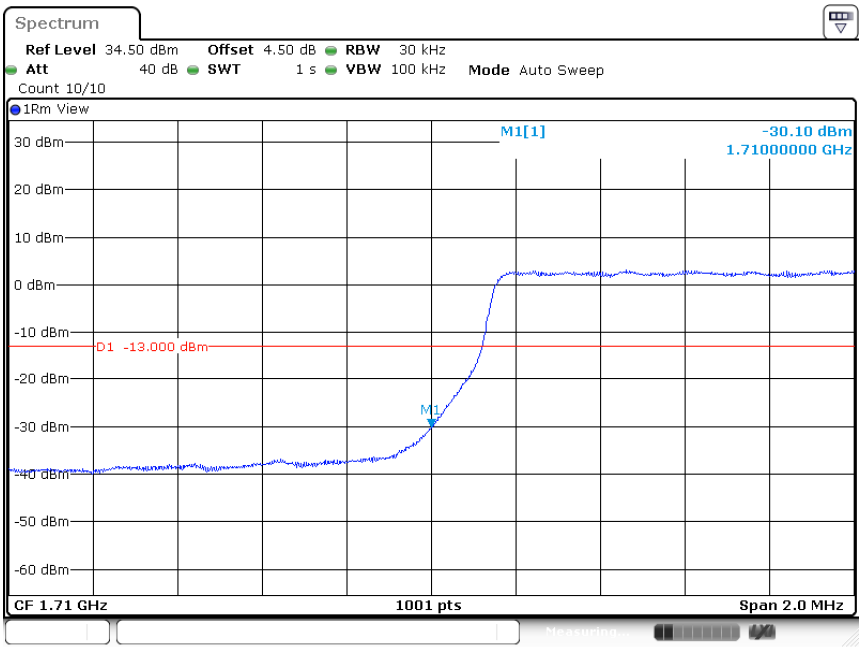
Band4-3MHz-QPSK-19965-15RB#0



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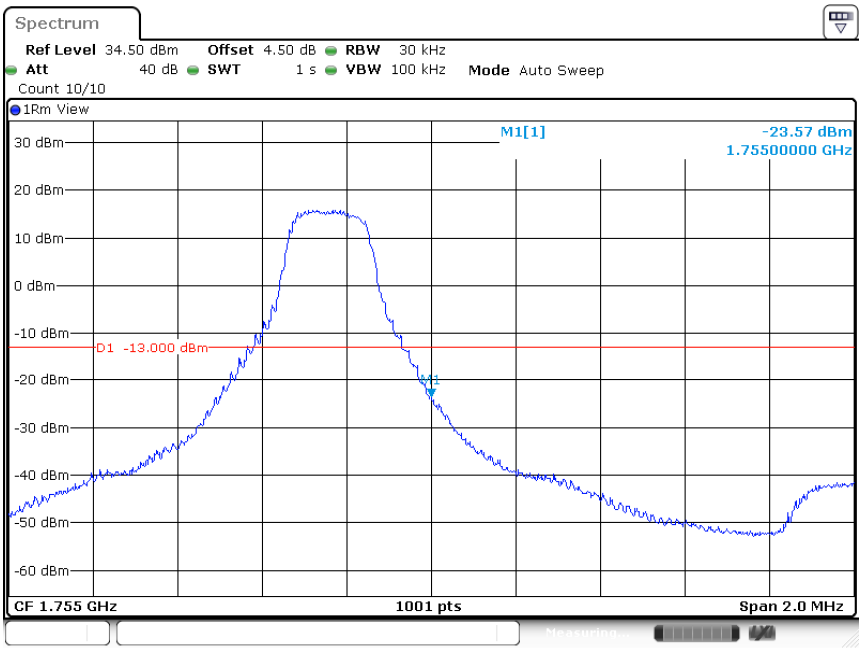
Band4-3MHz-QPSK-20385-1RB#14



Date: 3.SEP.2020 22:16:14

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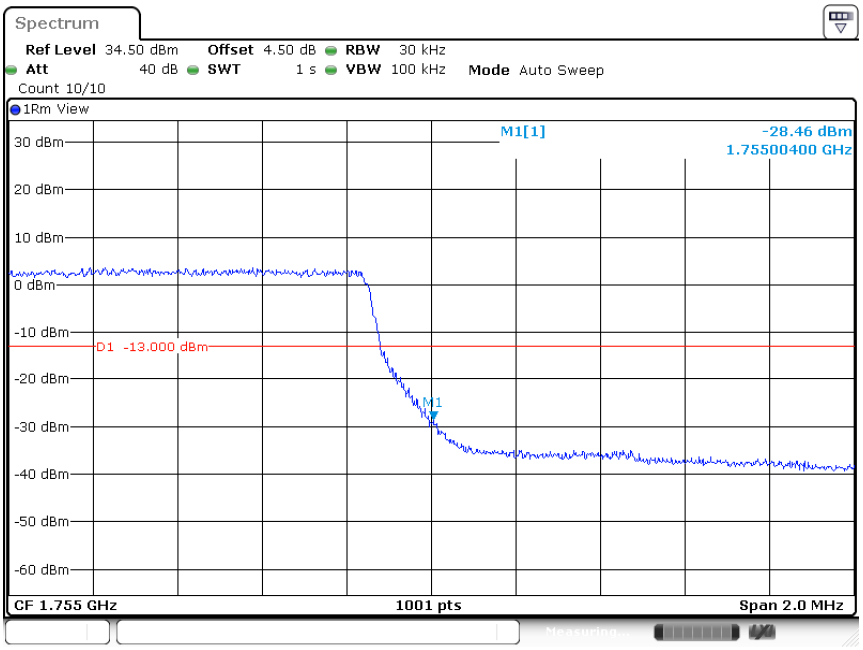
Band4-3MHz-QPSK-20385-15RB#0



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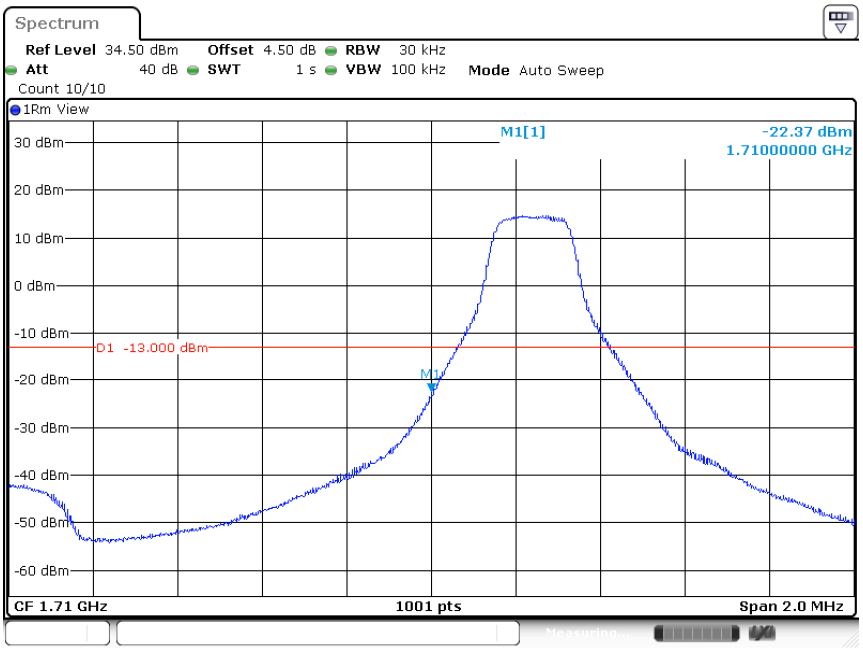
Band4-3MHz-64QAM-19965-1RB#0



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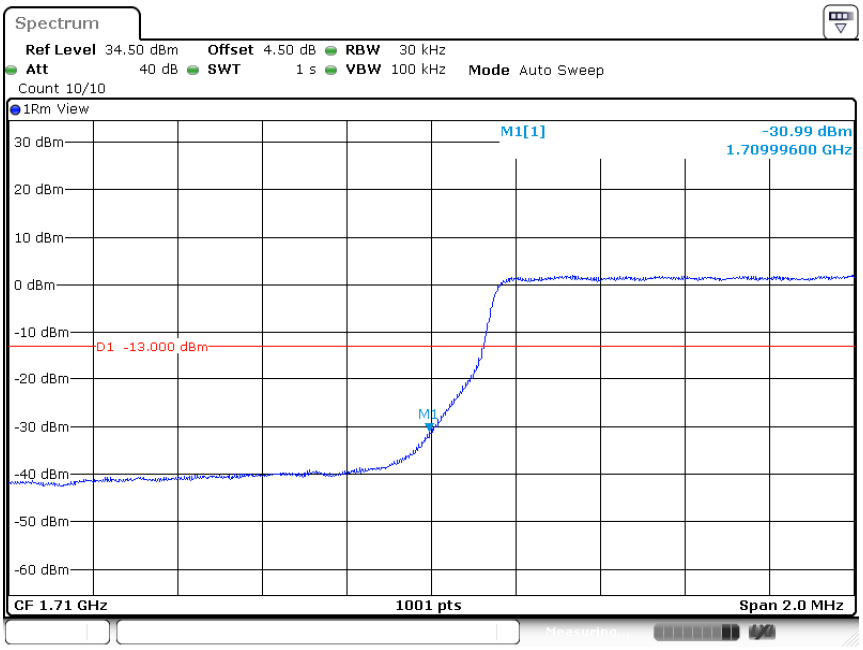

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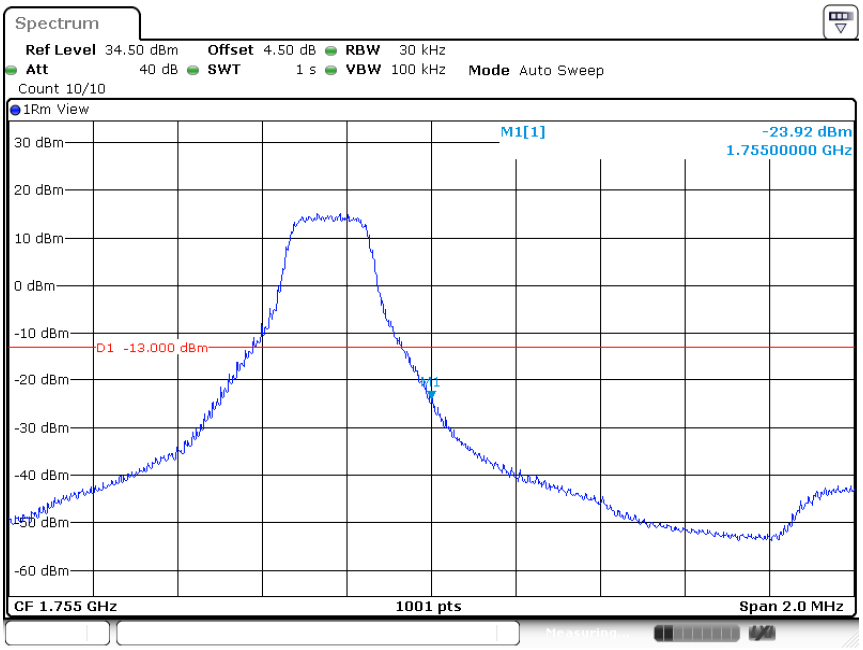
Band4-3MHz-64QAM-20385-1RB#14



Date: 4.SEP.2020 00:00:14

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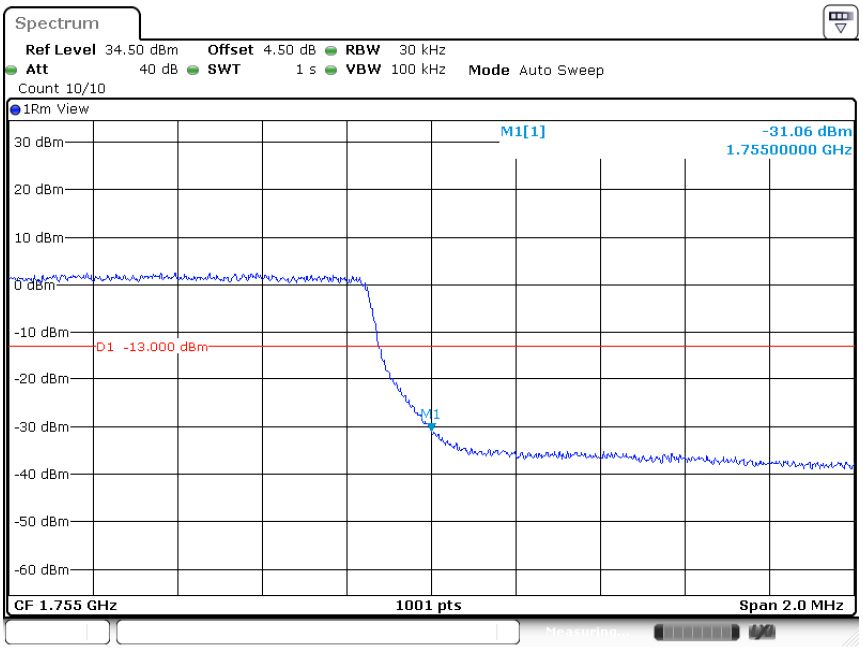
Band4-3MHz-64QAM-20385-15RB#0



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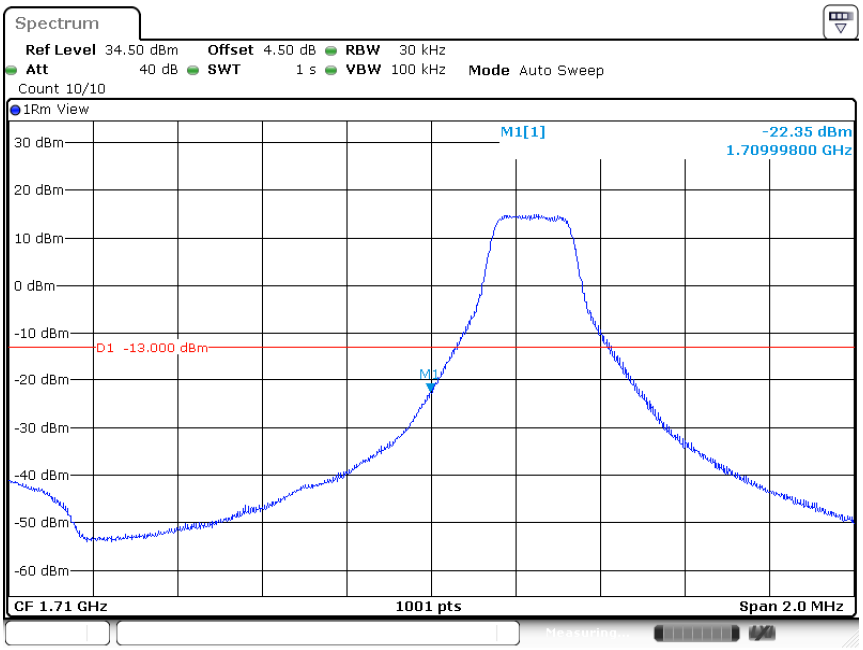

Date: 3.SEP.2020 22:15:08

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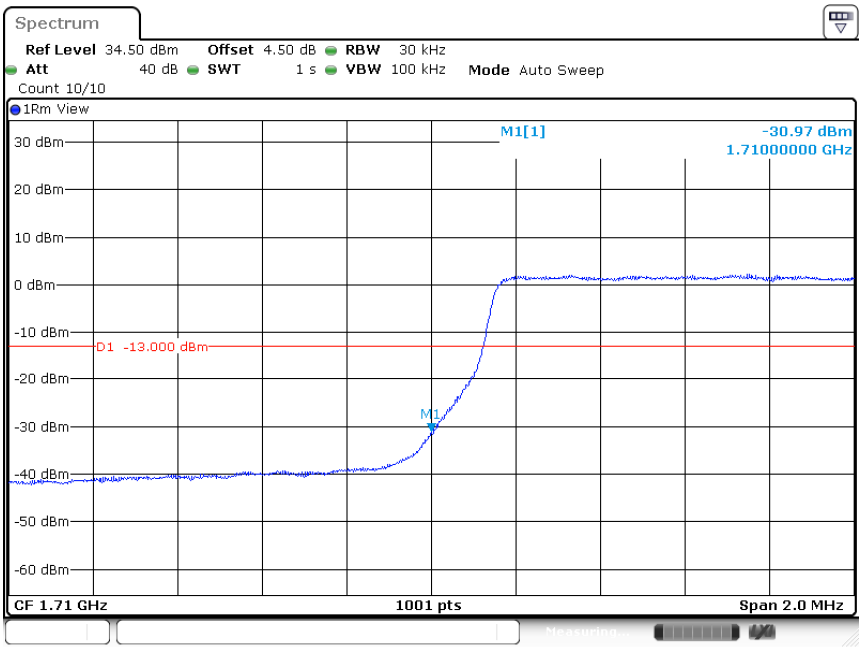
Band4-3MHz-16QAM-19965-15RB#0



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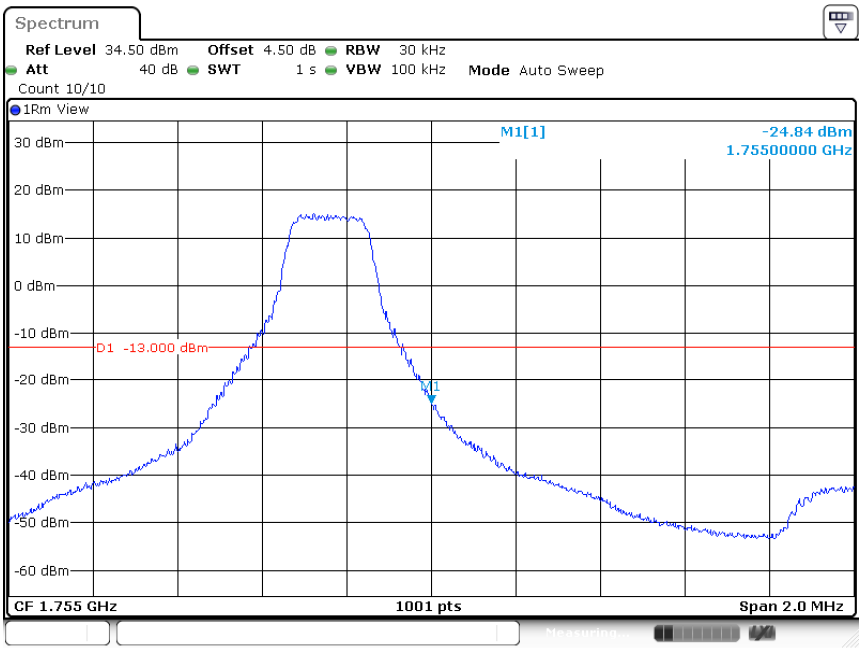
Band4-3MHz-16QAM-20385-1RB#14



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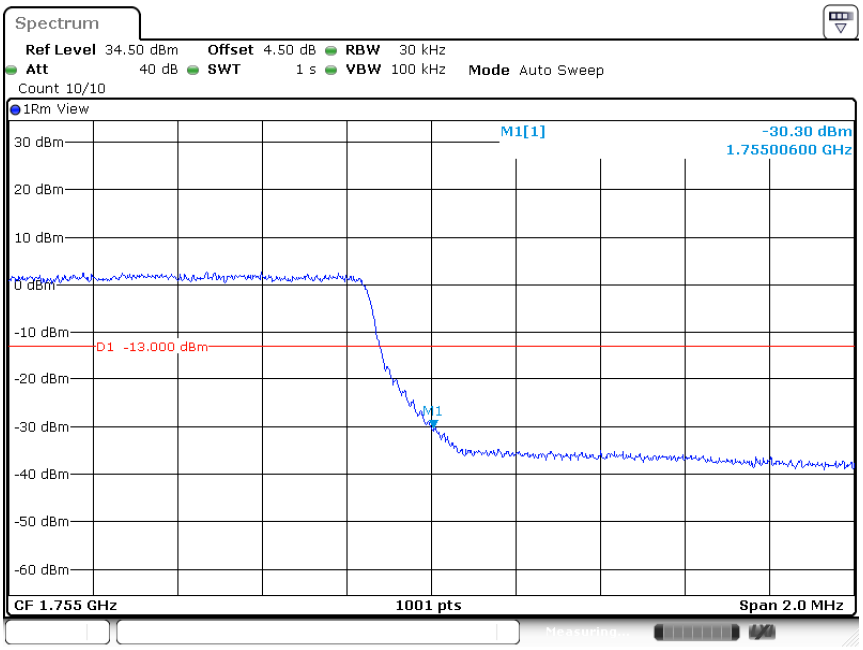
Band4-3MHz-16QAM-20385-15RB#0



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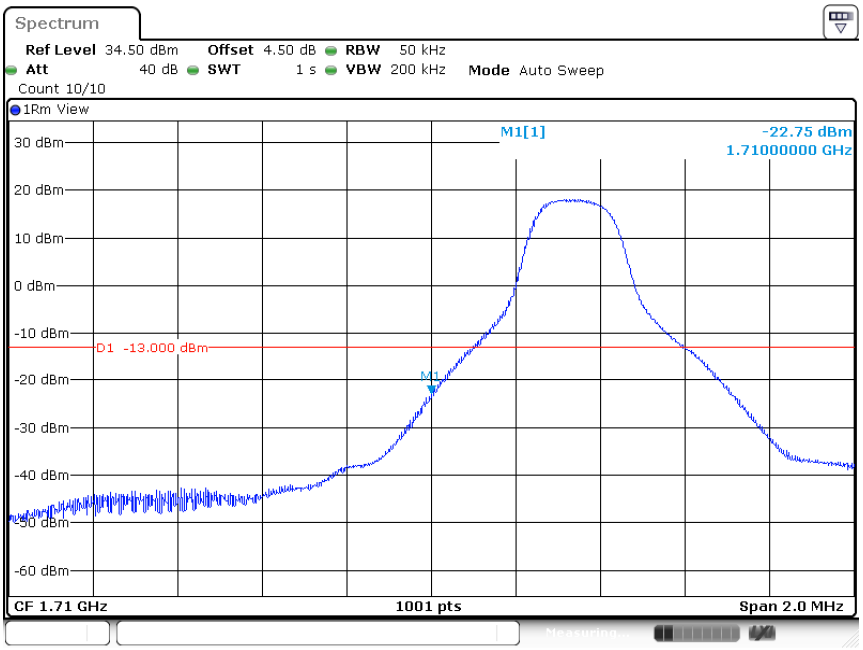
Band4-5MHz-QPSK-19975-1RB#0



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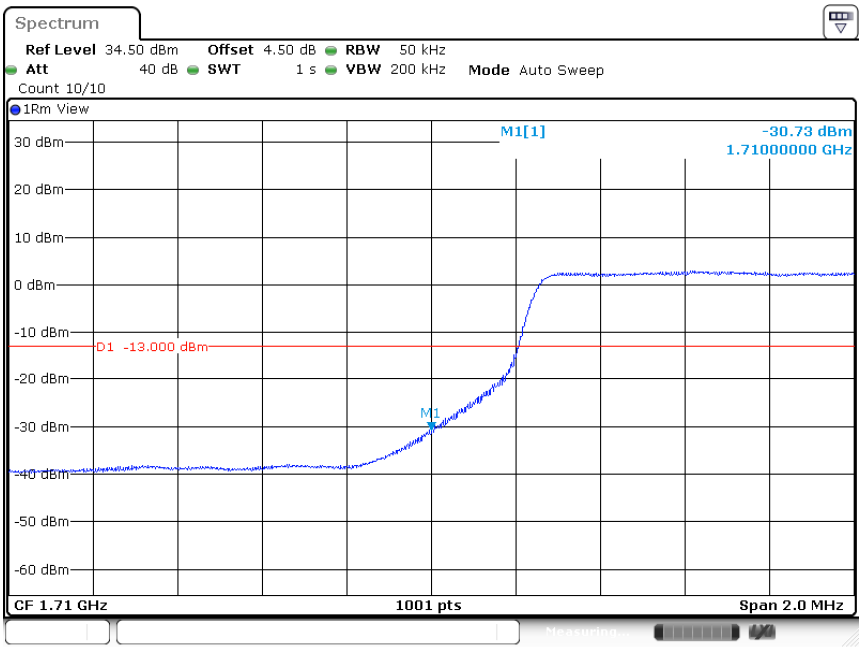

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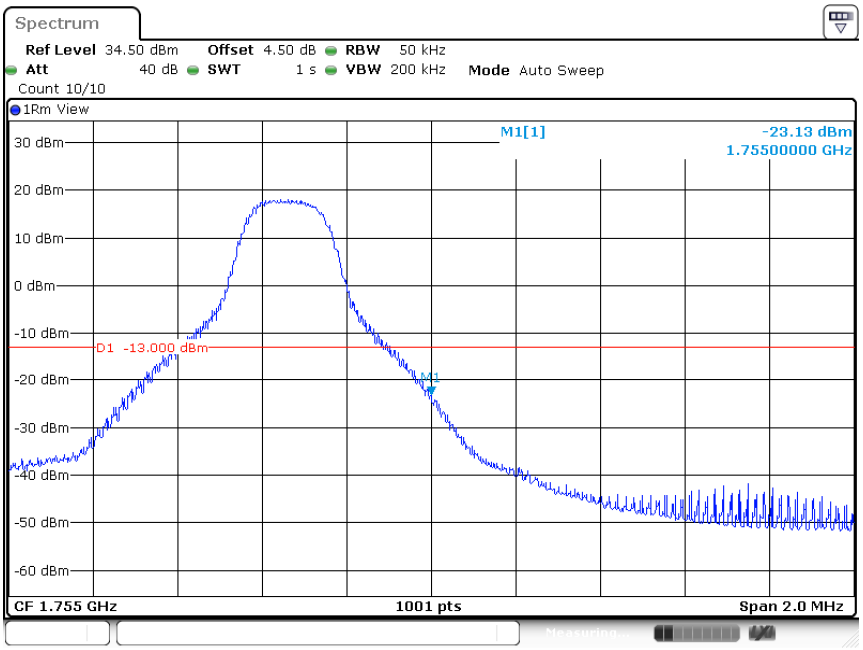
Band4-5MHz-QPSK-20375-1RB#24



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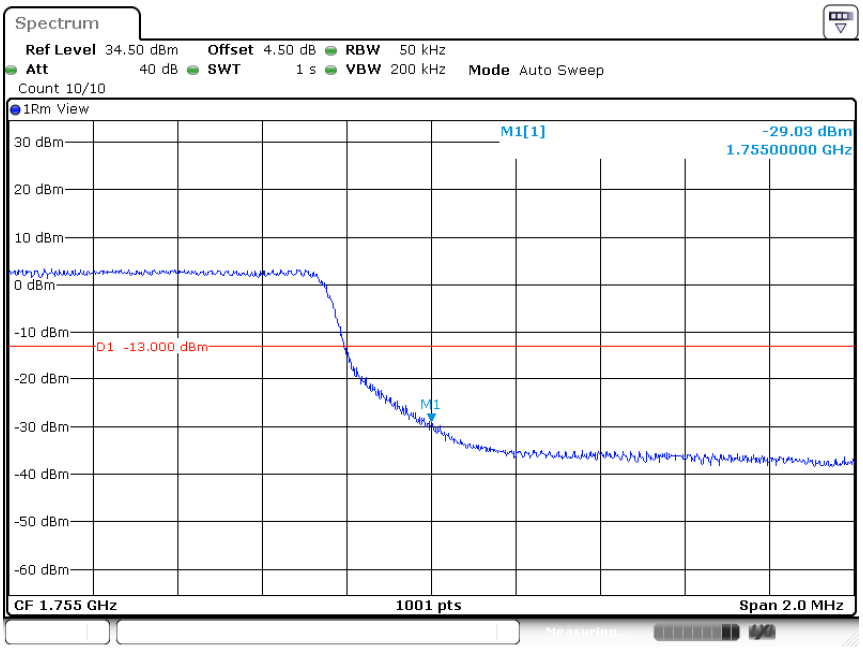

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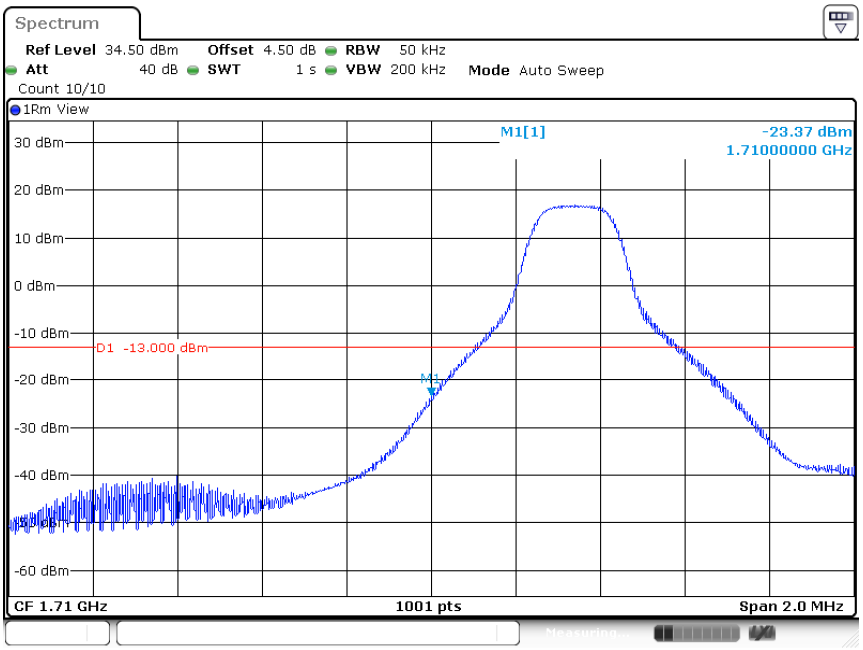

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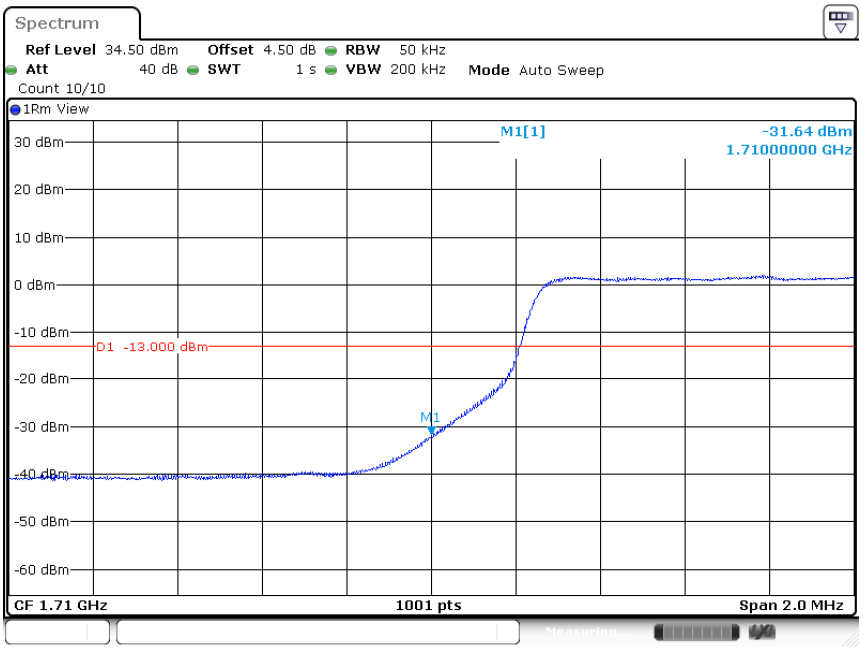

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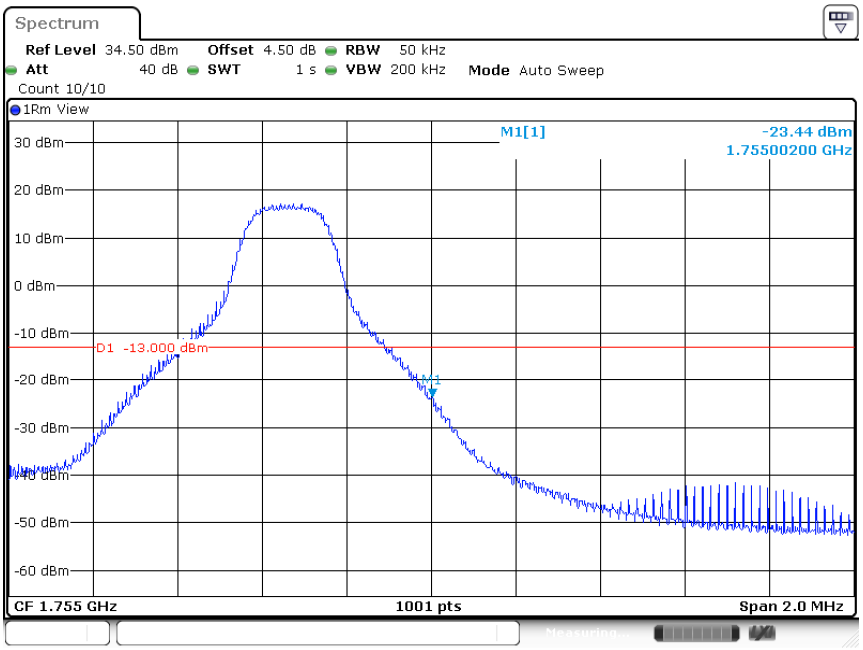
Band4-5MHz-64QAM-20375-1RB#24



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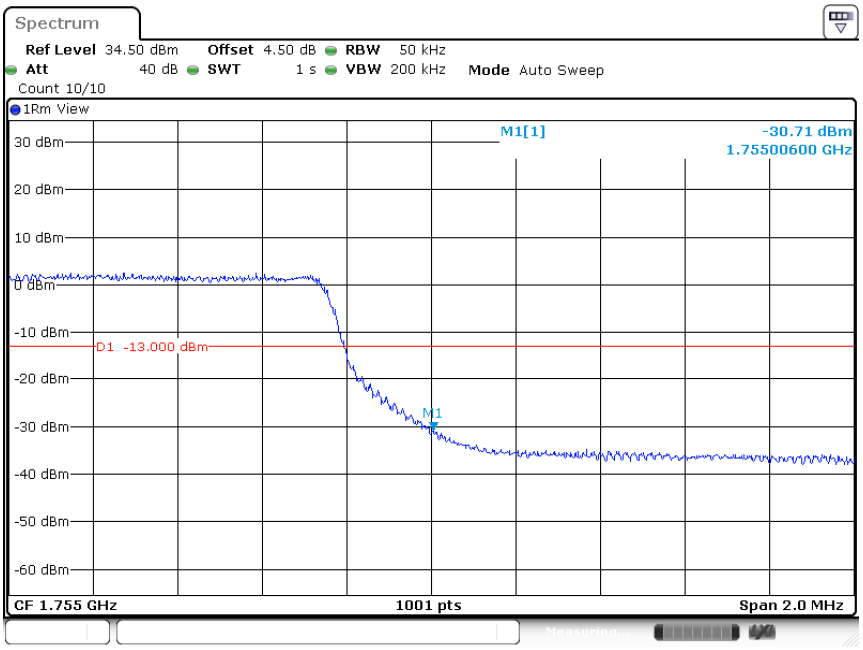

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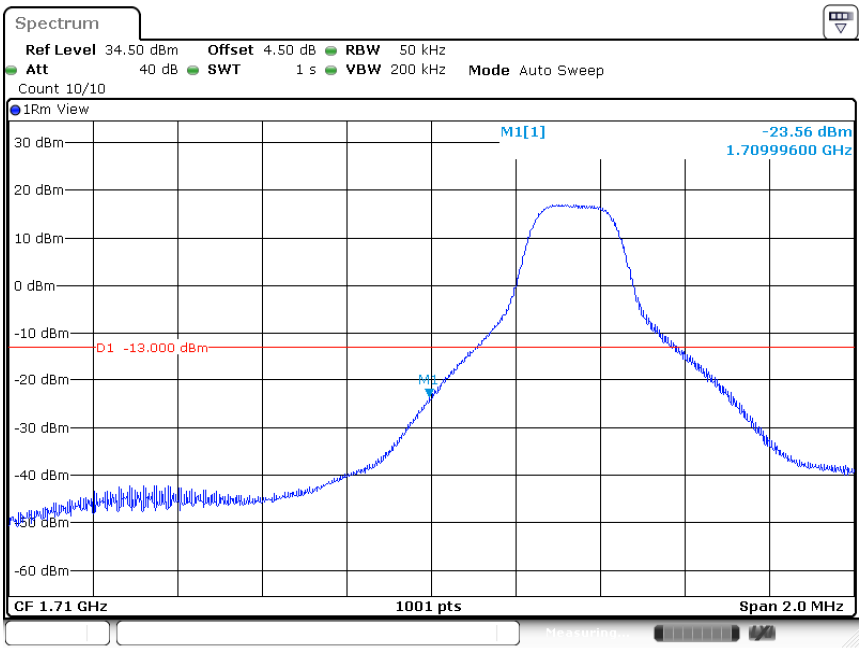

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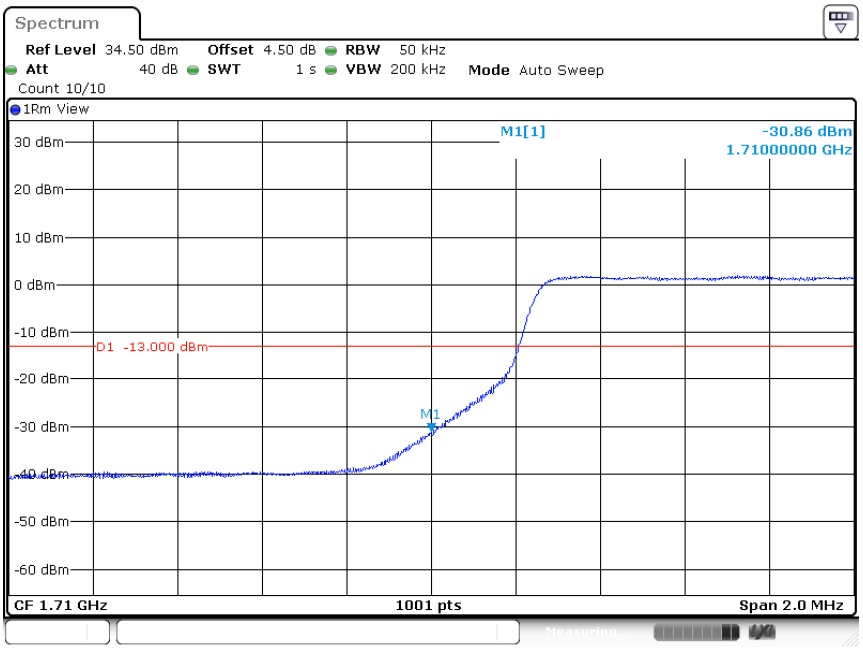

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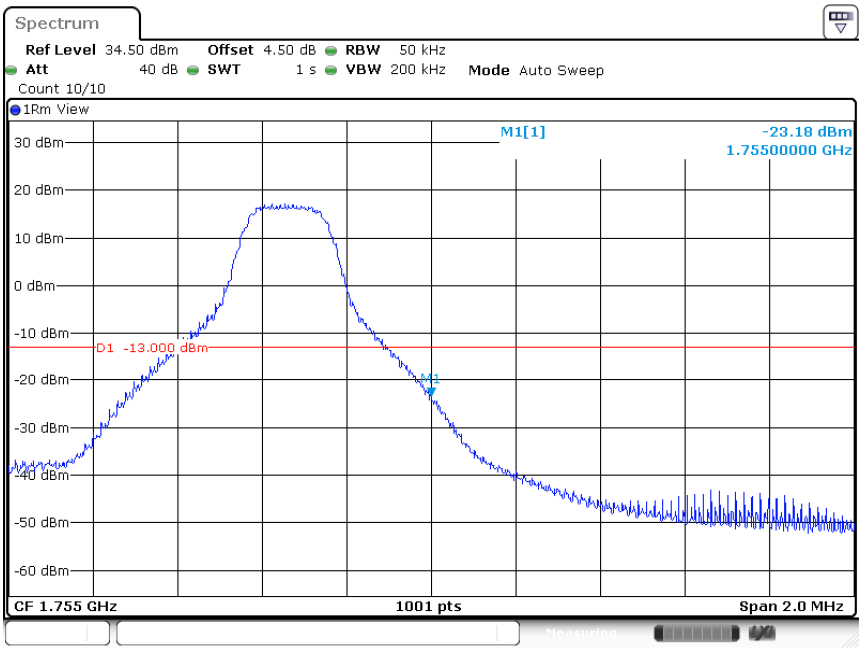
Band4-5MHz-16QAM-20375-1RB#24



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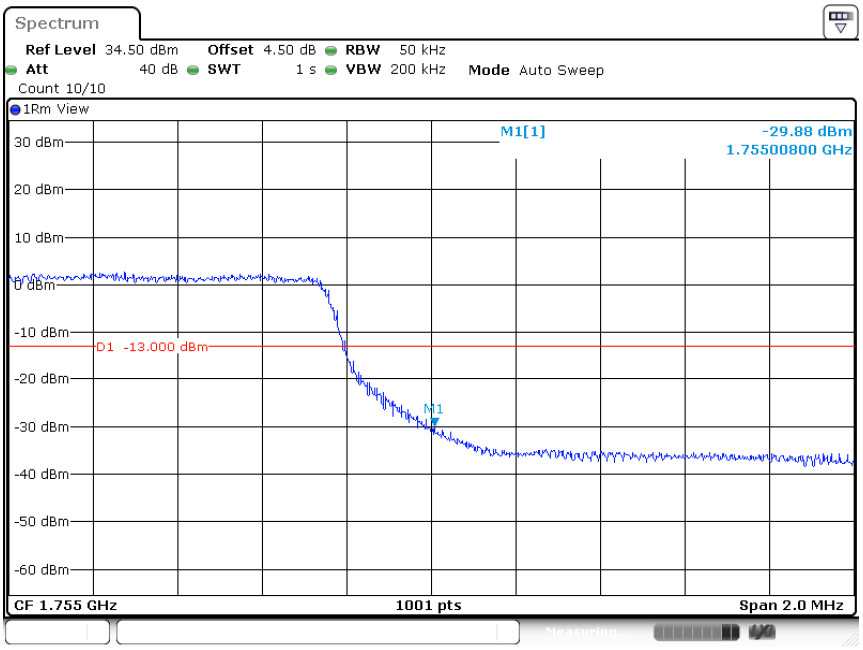

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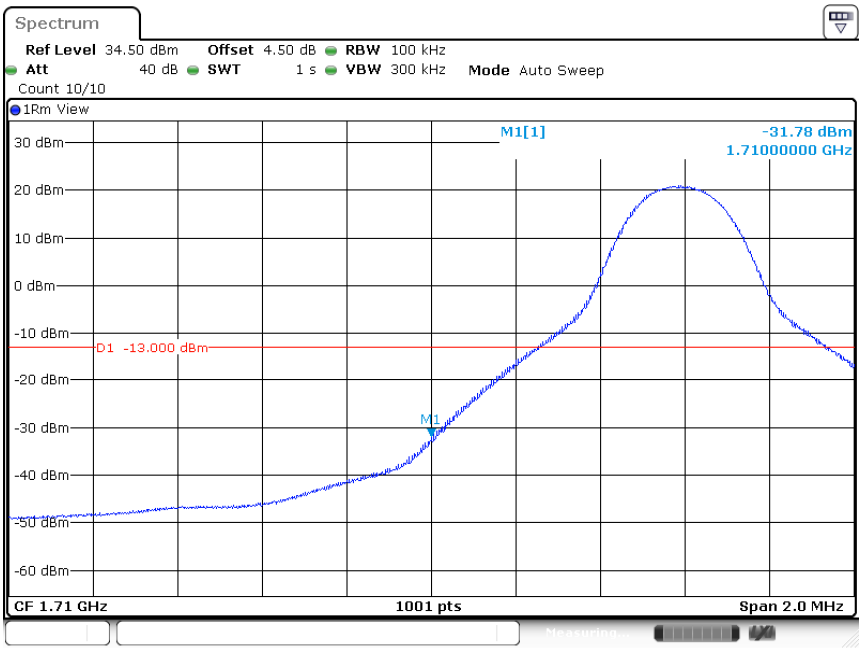
Band4-10MHz-QPSK-20000-1RB#0



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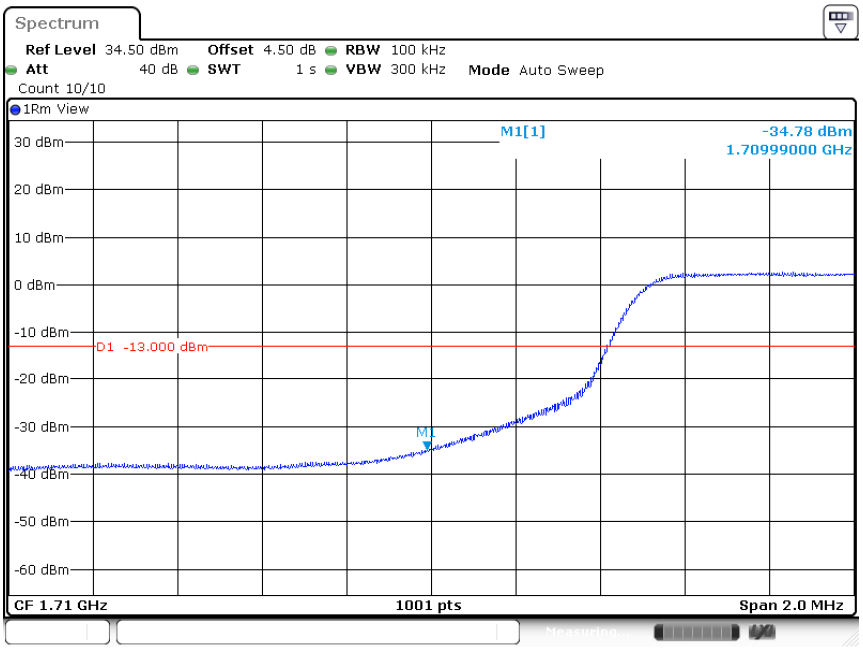

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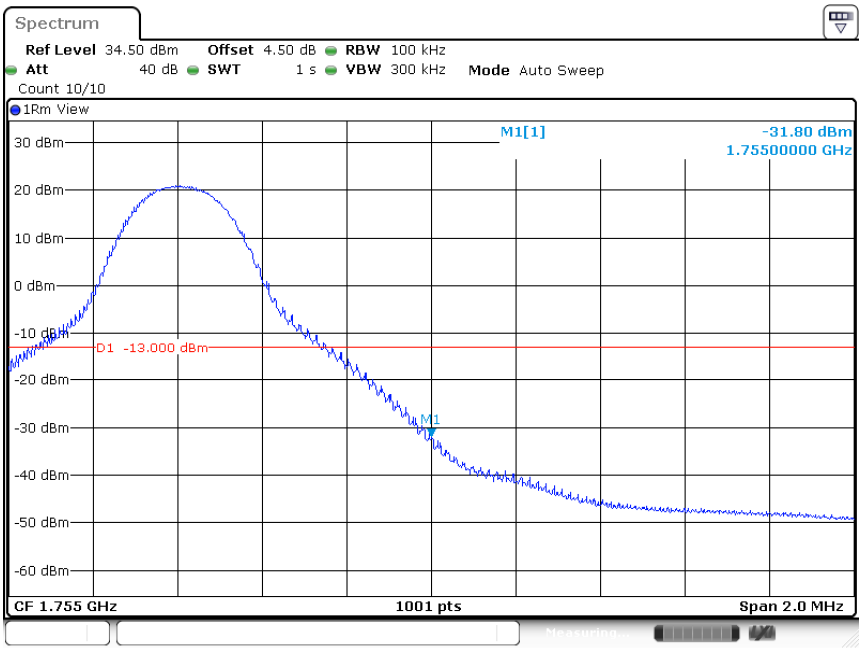
Band4-10MHz-QPSK-20350-1RB#49



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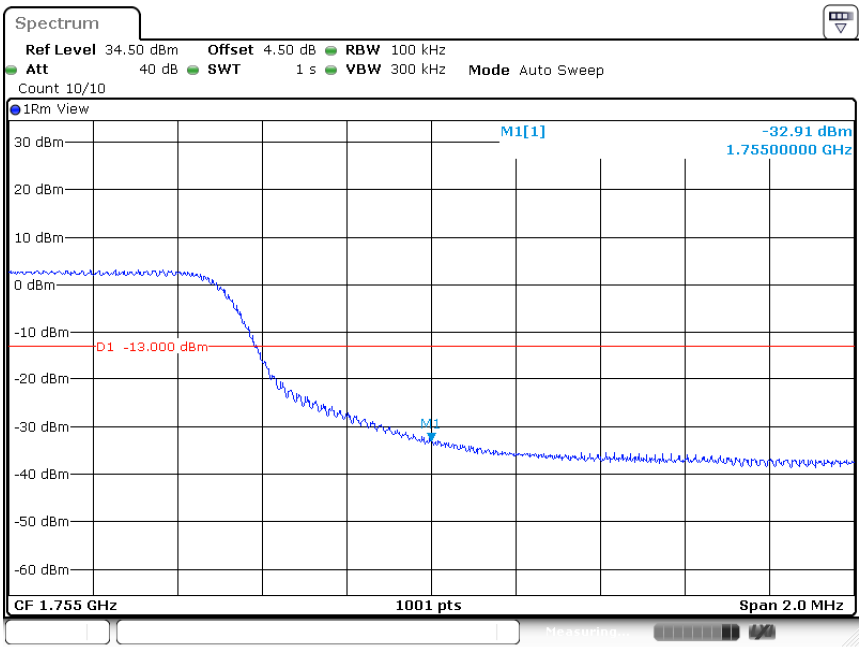
Band4-10MHz-QPSK-20350-50RB#0



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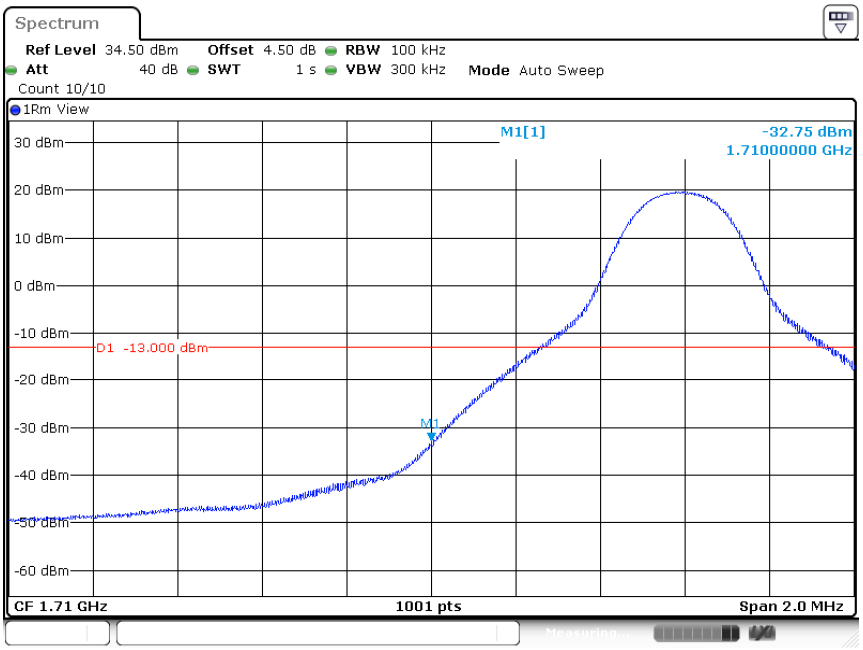
Band4-10MHz-64QAM-20000-1RB#0



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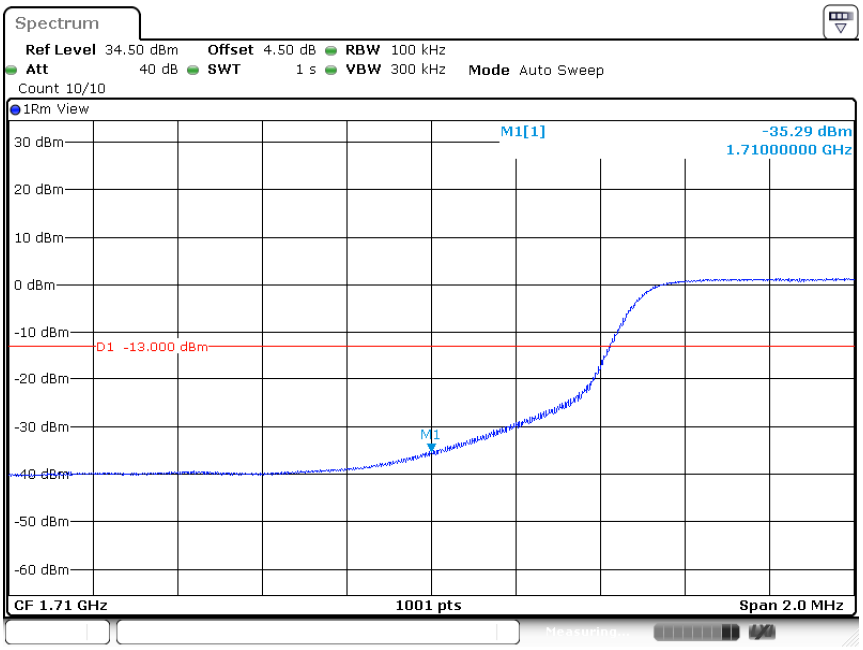
Band4-10MHz-64QAM-20000-50RB#0



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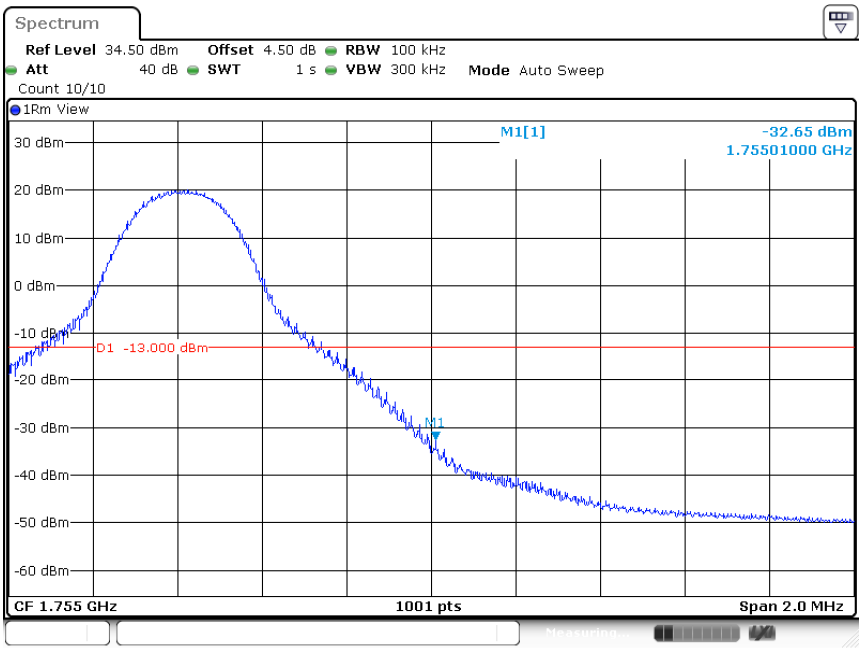
Band4-10MHz-64QAM-20350-1RB#49



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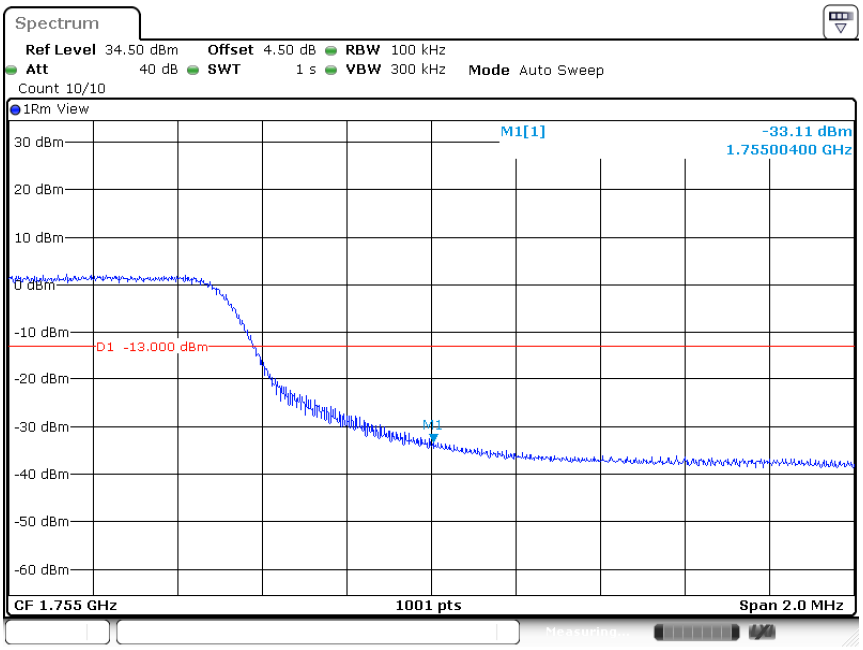

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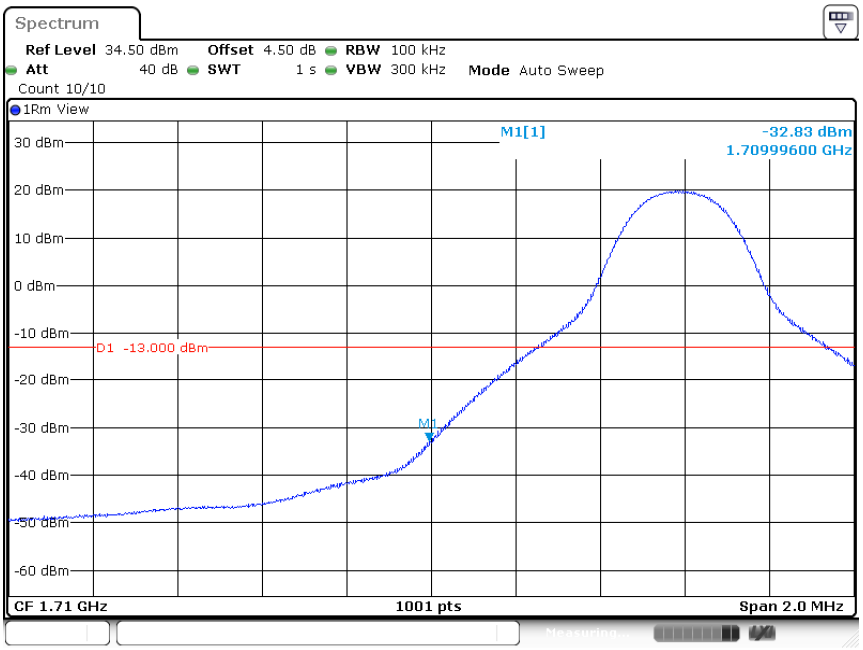

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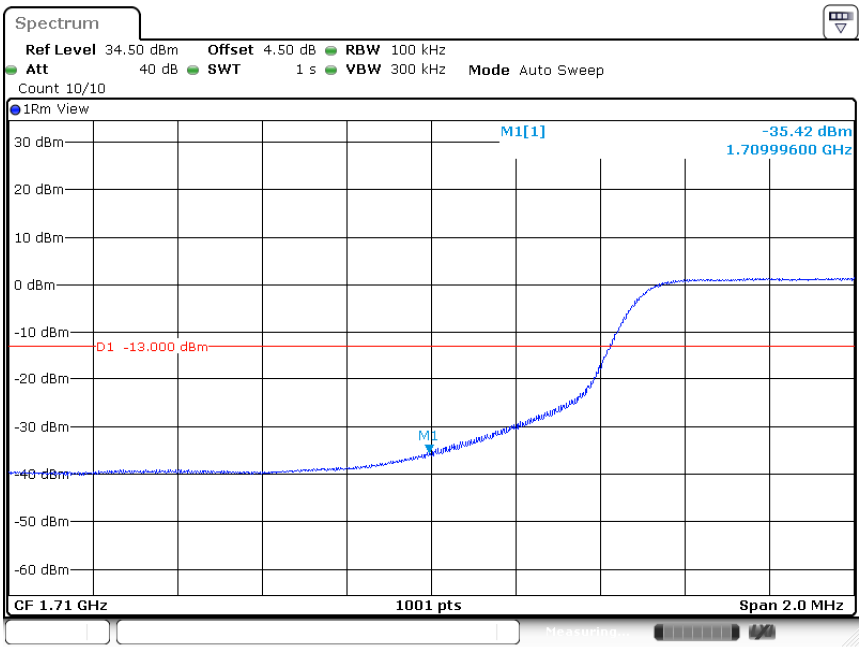

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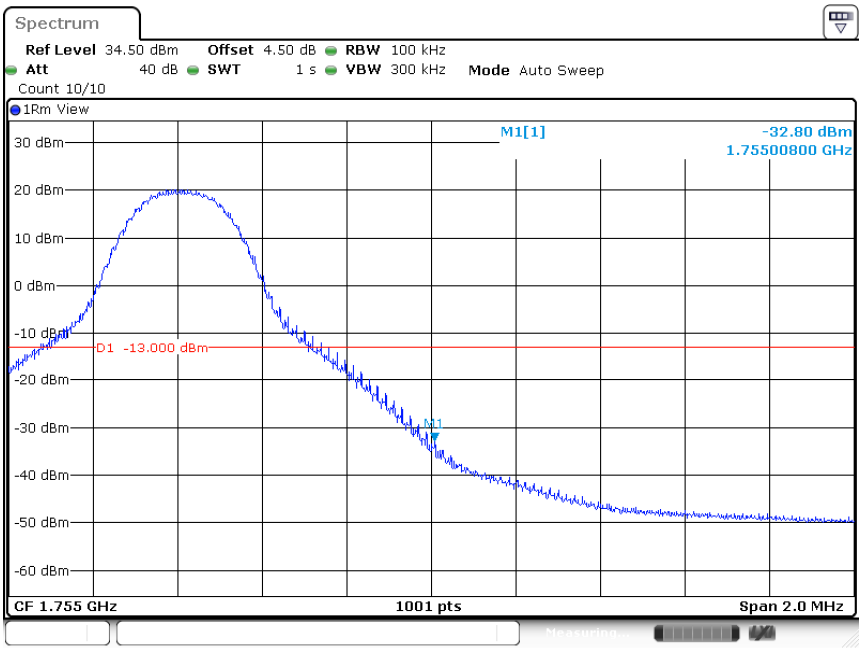
Band4-10MHz-16QAM-20350-1RB#49



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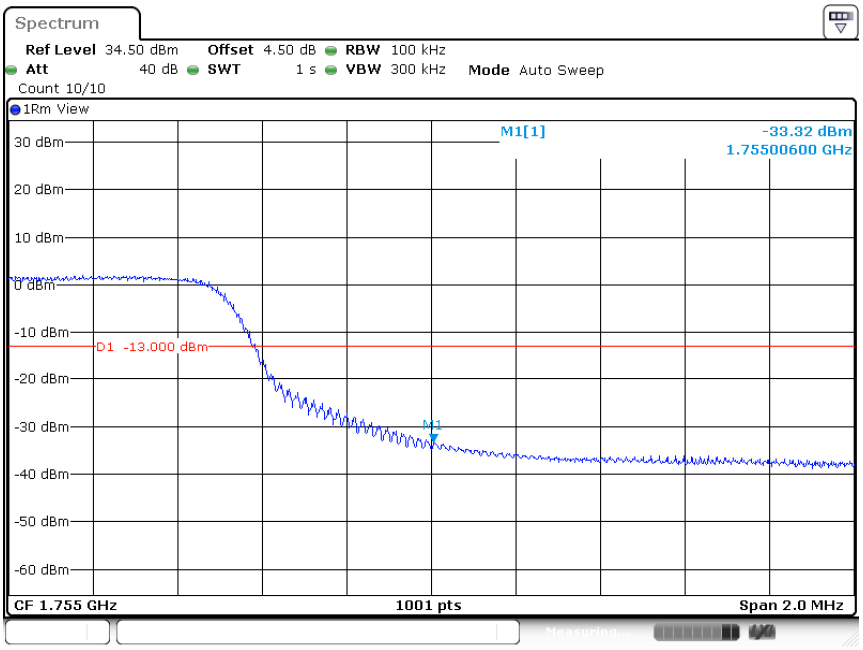

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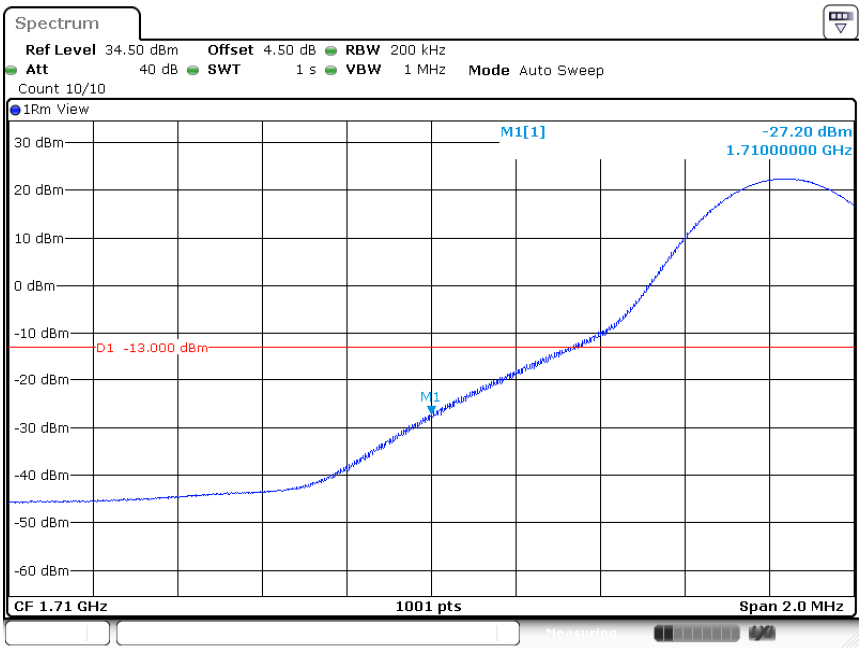

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