



Appendix B

E-UTRA Band 4



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1 Effective (Isotropic) Radiated Power

1.1. Test Result

ANTO:

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	24.33	22.83	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	24.24	22.74	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	24.48	22.98	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	24.22	22.72	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	24.10	22.60	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	24.11	22.61	30.00	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	23.19	21.69	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	24.08	22.58	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	23.94	22.44	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	24.12	22.62	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	24.09	22.59	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	24.19	22.69	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	24.22	22.72	30.00	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	23.16	21.66	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	24.03	22.53	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	24.13	22.63	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	24.08	22.58	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	24.08	22.58	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	24.13	22.63	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	24.11	22.61	30.00	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	23.05	21.55	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	23.45	21.95	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	23.57	22.07	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	23.42	21.92	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	23.21	21.71	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	23.08	21.58	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	23.16	21.66	30.00	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	22.14	20.64	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	23.19	21.69	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	23.13	21.63	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	23.39	21.89	30.00	PASS



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Band4	1.4MHz	16QAM	20175	3RB#0	23.18	21.68	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	23.02	21.52	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	23.01	21.51	30.00	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	22.16	20.66	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	23.23	21.73	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	23.26	21.76	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	22.95	21.45	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	23.12	21.62	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	23.12	21.62	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	23.13	21.63	30.00	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	22.10	20.60	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#0	22.28	20.78	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#2	22.20	20.70	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#5	22.41	20.91	30.00	PASS
Band4	1.4MHz	64QAM	19957	3RB#0	22.21	20.71	30.00	PASS
Band4	1.4MHz	64QAM	19957	3RB#1	22.04	20.54	30.00	PASS
Band4	1.4MHz	64QAM	19957	3RB#3	22.10	20.60	30.00	PASS
Band4	1.4MHz	64QAM	19957	6RB#0	21.11	19.61	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#0	21.99	20.49	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#2	21.87	20.37	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#5	22.04	20.54	30.00	PASS
Band4	1.4MHz	64QAM	20175	3RB#0	22.07	20.57	30.00	PASS
Band4	1.4MHz	64QAM	20175	3RB#1	22.11	20.61	30.00	PASS
Band4	1.4MHz	64QAM	20175	3RB#3	22.15	20.65	30.00	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	21.08	19.58	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#0	22.00	20.50	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#2	22.05	20.55	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#5	22.05	20.55	30.00	PASS
Band4	1.4MHz	64QAM	20393	3RB#0	21.99	20.49	30.00	PASS
Band4	1.4MHz	64QAM	20393	3RB#1	22.11	20.61	30.00	PASS
Band4	1.4MHz	64QAM	20393	3RB#3	22.06	20.56	30.00	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	20.99	19.49	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#0	24.18	22.68	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#8	24.15	22.65	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#14	24.07	22.57	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#0	23.13	21.63	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#4	23.07	21.57	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#7	23.09	21.59	30.00	PASS



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Band4	3MHz	QPSK	19965	15RB#0	23.06	21.56	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#0	24.05	22.55	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#8	24.15	22.65	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#14	24.17	22.67	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#0	23.14	21.64	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#4	23.05	21.55	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#7	23.13	21.63	30.00	PASS
Band4	3MHz	QPSK	20175	15RB#0	23.13	21.63	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#0	24.07	22.57	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#8	24.11	22.61	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#14	24.12	22.62	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#0	23.11	21.61	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#4	23.11	21.61	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#7	23.09	21.59	30.00	PASS
Band4	3MHz	QPSK	20385	15RB#0	23.13	21.63	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#0	23.50	22.00	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#8	23.54	22.04	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#14	23.23	21.73	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#0	22.14	20.64	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#4	22.17	20.67	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#7	22.09	20.59	30.00	PASS
Band4	3MHz	16QAM	19965	15RB#0	22.16	20.66	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#0	23.58	22.08	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#8	23.22	21.72	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#14	23.59	22.09	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#0	22.11	20.61	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#4	22.29	20.79	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#7	22.11	20.61	30.00	PASS
Band4	3MHz	16QAM	20175	15RB#0	22.19	20.69	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#0	23.19	21.69	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#8	23.28	21.78	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#14	23.37	21.87	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#0	22.15	20.65	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#4	22.09	20.59	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#7	22.13	20.63	30.00	PASS
Band4	3MHz	16QAM	20385	15RB#0	22.13	20.63	30.00	PASS
Band4	3MHz	64QAM	19965	1RB#0	22.16	20.66	30.00	PASS
Band4	3MHz	64QAM	19965	1RB#8	22.10	20.60	30.00	PASS



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Band4	3MHz	64QAM	19965	8RB#0	21.09	19.59	30.00	PASS
Band4	3MHz	64QAM	19965	8RB#4	20.98	19.48	30.00	PASS
Band4	3MHz	64QAM	19965	8RB#7	21.06	19.56	30.00	PASS
Band4	3MHz	64QAM	19965	15RB#0	21.04	19.54	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#0	22.02	20.52	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#8	22.13	20.63	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#14	22.09	20.59	30.00	PASS
Band4	3MHz	64QAM	20175	8RB#0	21.07	19.57	30.00	PASS
Band4	3MHz	64QAM	20175	8RB#4	21.04	19.54	30.00	PASS
Band4	3MHz	64QAM	20175	8RB#7	21.06	19.56	30.00	PASS
Band4	3MHz	64QAM	20175	15RB#0	21.06	19.56	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#0	22.01	20.51	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#8	22.09	20.59	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#14	22.11	20.61	30.00	PASS
Band4	3MHz	64QAM	20385	8RB#0	21.04	19.54	30.00	PASS
Band4	3MHz	64QAM	20385	8RB#4	21.09	19.59	30.00	PASS
Band4	3MHz	64QAM	20385	8RB#7	21.07	19.57	30.00	PASS
Band4	3MHz	64QAM	20385	15RB#0	21.10	19.60	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#0	24.22	22.72	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#12	24.11	22.61	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#24	24.07	22.57	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#0	23.10	21.60	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#6	23.12	21.62	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#13	23.16	21.66	30.00	PASS
Band4	5MHz	QPSK	19975	25RB#0	23.12	21.62	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#0	24.20	22.70	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#12	24.13	22.63	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#24	24.20	22.70	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#0	23.23	21.73	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#6	23.19	21.69	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#13	23.16	21.66	30.00	PASS
Band4	5MHz	QPSK	20175	25RB#0	23.13	21.63	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#0	24.14	22.64	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#12	24.07	22.57	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#24	24.17	22.67	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#0	23.16	21.66	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#6	23.20	21.70	30.00	PASS



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Band4	5MHz	QPSK	20375	12RB#13	23.11	21.61	30.00	PASS
Band4	5MHz	QPSK	20375	25RB#0	23.19	21.69	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#0	23.41	21.91	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#12	23.37	21.87	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#24	22.93	21.43	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#0	22.14	20.64	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#6	22.13	20.63	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#13	22.07	20.57	30.00	PASS
Band4	5MHz	16QAM	19975	25RB#0	22.23	20.73	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#0	23.41	21.91	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#12	23.61	22.11	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#24	22.95	21.45	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#0	22.12	20.62	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#6	22.11	20.61	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#13	22.12	20.62	30.00	PASS
Band4	5MHz	16QAM	20175	25RB#0	22.08	20.58	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#0	23.41	21.91	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#12	22.87	21.37	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#24	23.11	21.61	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#0	22.14	20.64	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#6	22.12	20.62	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#13	22.07	20.57	30.00	PASS
Band4	5MHz	16QAM	20375	25RB#0	22.10	20.60	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#0	22.18	20.68	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#12	22.08	20.58	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#24	22.03	20.53	30.00	PASS
Band4	5MHz	64QAM	19975	12RB#0	21.09	19.59	30.00	PASS
Band4	5MHz	64QAM	19975	12RB#6	21.07	19.57	30.00	PASS
Band4	5MHz	64QAM	19975	12RB#13	21.08	19.58	30.00	PASS
Band4	5MHz	64QAM	19975	25RB#0	21.04	19.54	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#0	22.11	20.61	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#12	22.11	20.61	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#24	22.18	20.68	30.00	PASS
Band4	5MHz	64QAM	20175	12RB#0	21.21	19.71	30.00	PASS
Band4	5MHz	64QAM	20175	12RB#6	21.12	19.62	30.00	PASS
Band4	5MHz	64QAM	20175	12RB#13	21.12	19.62	30.00	PASS
Band4	5MHz	64QAM	20175	25RB#0	21.12	19.62	30.00	PASS
Band4	5MHz	64QAM	20375	1RB#0	22.10	20.60	30.00	PASS



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Band4	5MHz	64QAM	20375	1RB#12	21.98	20.48	30.00	PASS
Band4	5MHz	64QAM	20375	1RB#24	22.15	20.65	30.00	PASS
Band4	5MHz	64QAM	20375	12RB#0	21.11	19.61	30.00	PASS
Band4	5MHz	64QAM	20375	12RB#6	21.13	19.63	30.00	PASS
Band4	5MHz	64QAM	20375	12RB#13	21.06	19.56	30.00	PASS
Band4	5MHz	64QAM	20375	25RB#0	21.13	19.63	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#0	24.22	22.72	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#24	24.22	22.72	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#49	24.30	22.80	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#0	23.04	21.54	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#12	23.11	21.61	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#25	23.31	21.81	30.00	PASS
Band4	10MHz	QPSK	20000	50RB#0	23.17	21.67	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#0	24.12	22.62	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#24	24.18	22.68	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#49	24.14	22.64	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#0	23.21	21.71	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#12	23.16	21.66	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#25	23.14	21.64	30.00	PASS
Band4	10MHz	QPSK	20175	50RB#0	23.23	21.73	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#0	24.19	22.69	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#24	24.15	22.65	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#49	24.04	22.54	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#0	23.10	21.60	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#12	23.11	21.61	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#25	23.13	21.63	30.00	PASS
Band4	10MHz	QPSK	20350	50RB#0	23.16	21.66	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#0	23.63	22.13	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#24	22.95	21.45	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#49	23.14	21.64	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#0	22.04	20.54	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#12	22.20	20.70	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#25	22.30	20.80	30.00	PASS
Band4	10MHz	16QAM	20000	50RB#0	22.13	20.63	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#0	23.23	21.73	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#24	23.45	21.95	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#49	23.53	22.03	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#0	22.14	20.64	30.00	PASS



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Band4	10MHz	16QAM	20175	25RB#12	22.13	20.63	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#25	22.09	20.59	30.00	PASS
Band4	10MHz	16QAM	20175	50RB#0	22.08	20.58	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#0	23.69	22.19	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#24	23.08	21.58	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#49	23.19	21.69	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#0	22.13	20.63	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#12	22.14	20.64	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#25	22.12	20.62	30.00	PASS
Band4	10MHz	16QAM	20350	50RB#0	22.20	20.70	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#0	22.17	20.67	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#24	22.16	20.66	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#49	22.22	20.72	30.00	PASS
Band4	10MHz	64QAM	20000	25RB#0	20.97	19.47	30.00	PASS
Band4	10MHz	64QAM	20000	25RB#12	21.07	19.57	30.00	PASS
Band4	10MHz	64QAM	20000	25RB#25	21.28	19.78	30.00	PASS
Band4	10MHz	64QAM	20000	50RB#0	21.13	19.63	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#0	22.04	20.54	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#24	22.09	20.59	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#49	22.05	20.55	30.00	PASS
Band4	10MHz	64QAM	20175	25RB#0	21.16	19.66	30.00	PASS
Band4	10MHz	64QAM	20175	25RB#12	21.09	19.59	30.00	PASS
Band4	10MHz	64QAM	20175	25RB#25	21.13	19.63	30.00	PASS
Band4	10MHz	64QAM	20175	50RB#0	21.17	19.67	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#0	22.17	20.67	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#24	22.13	20.63	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#49	21.99	20.49	30.00	PASS
Band4	10MHz	64QAM	20350	25RB#0	21.03	19.53	30.00	PASS
Band4	10MHz	64QAM	20350	25RB#12	21.08	19.58	30.00	PASS
Band4	10MHz	64QAM	20350	25RB#25	21.07	19.57	30.00	PASS
Band4	10MHz	64QAM	20350	50RB#0	21.12	19.62	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#0	24.00	22.50	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#38	24.40	22.90	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#74	24.09	22.59	30.00	PASS
Band4	15MHz	QPSK	20025	38RB#0	23.05	21.55	30.00	PASS
Band4	15MHz	QPSK	20025	38RB#18	23.12	21.62	30.00	PASS
Band4	15MHz	QPSK	20025	38RB#37	23.07	21.57	30.00	PASS
Band4	15MHz	QPSK	20025	75RB#0	23.08	21.58	30.00	PASS



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Band4	15MHz	QPSK	20175	1RB#0	24.36	22.86	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#38	24.13	22.63	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#74	24.23	22.73	30.00	PASS
Band4	15MHz	QPSK	20175	38RB#0	23.10	21.60	30.00	PASS
Band4	15MHz	QPSK	20175	38RB#18	23.10	21.60	30.00	PASS
Band4	15MHz	QPSK	20175	38RB#37	23.11	21.61	30.00	PASS
Band4	15MHz	QPSK	20175	75RB#0	23.09	21.59	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#0	24.31	22.81	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#38	24.43	22.93	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#74	24.05	22.55	30.00	PASS
Band4	15MHz	QPSK	20325	38RB#0	23.04	21.54	30.00	PASS
Band4	15MHz	QPSK	20325	38RB#18	23.11	21.61	30.00	PASS
Band4	15MHz	QPSK	20325	38RB#37	23.11	21.61	30.00	PASS
Band4	15MHz	QPSK	20325	75RB#0	23.12	21.62	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#0	23.48	21.98	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#38	23.62	22.12	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#74	23.31	21.81	30.00	PASS
Band4	15MHz	16QAM	20025	38RB#0	22.06	20.56	30.00	PASS
Band4	15MHz	16QAM	20025	38RB#18	22.12	20.62	30.00	PASS
Band4	15MHz	16QAM	20025	38RB#37	22.10	20.60	30.00	PASS
Band4	15MHz	16QAM	20025	75RB#0	22.05	20.55	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#0	23.44	21.94	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#38	23.65	22.15	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#74	23.18	21.68	30.00	PASS
Band4	15MHz	16QAM	20175	38RB#0	22.13	20.63	30.00	PASS
Band4	15MHz	16QAM	20175	38RB#18	22.13	20.63	30.00	PASS
Band4	15MHz	16QAM	20175	38RB#37	22.07	20.57	30.00	PASS
Band4	15MHz	16QAM	20175	75RB#0	22.08	20.58	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#0	23.51	22.01	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#38	23.12	21.62	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#74	22.93	21.43	30.00	PASS
Band4	15MHz	16QAM	20325	38RB#0	22.00	20.50	30.00	PASS
Band4	15MHz	16QAM	20325	38RB#18	22.11	20.61	30.00	PASS
Band4	15MHz	16QAM	20325	38RB#37	22.08	20.58	30.00	PASS
Band4	15MHz	16QAM	20325	75RB#0	22.12	20.62	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#0	21.95	20.45	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#38	22.37	20.87	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#74	22.07	20.57	30.00	PASS



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Band4	15MHz	64QAM	20025	38RB#0	21.00	19.50	30.00	PASS
Band4	15MHz	64QAM	20025	38RB#18	21.10	19.60	30.00	PASS
Band4	15MHz	64QAM	20025	38RB#37	21.06	19.56	30.00	PASS
Band4	15MHz	64QAM	20025	75RB#0	21.05	19.55	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#0	22.33	20.83	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#38	22.05	20.55	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#74	22.15	20.65	30.00	PASS
Band4	15MHz	64QAM	20175	38RB#0	21.08	19.58	30.00	PASS
Band4	15MHz	64QAM	20175	38RB#18	21.07	19.57	30.00	PASS
Band4	15MHz	64QAM	20175	38RB#37	21.03	19.53	30.00	PASS
Band4	15MHz	64QAM	20175	75RB#0	21.07	19.57	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#0	22.24	20.74	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#38	22.42	20.92	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#74	22.00	20.50	30.00	PASS
Band4	15MHz	64QAM	20325	38RB#0	20.97	19.47	30.00	PASS
Band4	15MHz	64QAM	20325	38RB#18	21.03	19.53	30.00	PASS
Band4	15MHz	64QAM	20325	38RB#37	21.04	19.54	30.00	PASS
Band4	15MHz	64QAM	20325	75RB#0	21.04	19.54	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#0	24.17	22.67	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#49	24.07	22.57	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#99	24.18	22.68	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#0	23.07	21.57	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#25	23.23	21.73	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#50	23.12	21.62	30.00	PASS
Band4	20MHz	QPSK	20050	100RB#0	23.04	21.54	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#0	24.06	22.56	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#49	24.36	22.86	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#99	24.05	22.55	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#0	23.23	21.73	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#25	23.13	21.63	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#50	23.15	21.65	30.00	PASS
Band4	20MHz	QPSK	20175	100RB#0	23.15	21.65	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#0	24.22	22.72	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#49	24.08	22.58	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#99	24.05	22.55	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#0	23.11	21.61	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#25	23.22	21.72	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#50	23.18	21.68	30.00	PASS



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Band4	20MHz	QPSK	20300	100RB#0	23.10	21.60	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#0	23.24	21.74	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#49	23.54	22.04	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#99	23.54	22.04	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#0	22.06	20.56	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#25	22.14	20.64	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#50	22.07	20.57	30.00	PASS
Band4	20MHz	16QAM	20050	100RB#0	22.04	20.54	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#0	23.14	21.64	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#49	23.65	22.15	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#99	23.51	22.01	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#0	22.19	20.69	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#25	22.14	20.64	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#50	22.06	20.56	30.00	PASS
Band4	20MHz	16QAM	20175	100RB#0	22.16	20.66	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#0	23.41	21.91	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#49	23.56	22.06	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#99	23.00	21.50	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#0	22.09	20.59	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#25	22.14	20.64	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#50	22.25	20.75	30.00	PASS
Band4	20MHz	16QAM	20300	100RB#0	22.06	20.56	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#0	22.13	20.63	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#49	22.00	20.50	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#99	22.11	20.61	30.00	PASS
Band4	20MHz	64QAM	20050	50RB#0	20.99	19.49	30.00	PASS
Band4	20MHz	64QAM	20050	50RB#25	21.21	19.71	30.00	PASS
Band4	20MHz	64QAM	20050	50RB#50	21.05	19.55	30.00	PASS
Band4	20MHz	64QAM	20050	100RB#0	21.02	19.52	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#0	22.05	20.55	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#49	22.33	20.83	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#99	21.99	20.49	30.00	PASS
Band4	20MHz	64QAM	20175	50RB#0	21.18	19.68	30.00	PASS
Band4	20MHz	64QAM	20175	50RB#25	21.06	19.56	30.00	PASS
Band4	20MHz	64QAM	20175	50RB#50	21.07	19.57	30.00	PASS
Band4	20MHz	64QAM	20175	100RB#0	21.12	19.62	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#0	22.16	20.66	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#49	22.05	20.55	30.00	PASS



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Band4	20MHz	64QAM	20300	1RB#99	21.98	20.48	30.00	PASS
Band4	20MHz	64QAM	20300	50RB#0	21.03	19.53	30.00	PASS
Band4	20MHz	64QAM	20300	50RB#25	21.18	19.68	30.00	PASS
Band4	20MHz	64QAM	20300	50RB#50	21.17	19.67	30.00	PASS
Band4	20MHz	64QAM	20300	100RB#0	21.09	19.59	30.00	PASS

Remark:

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

$$ERP [dBm] = \text{Conducted Power [dBm]} + \text{Gain [dBd]}$$

$$EIRP [dBm] = \text{Conducted Power [dBm]} + \text{Gain [dBi]}$$

The conducted Power is measured by Base Station Simulator



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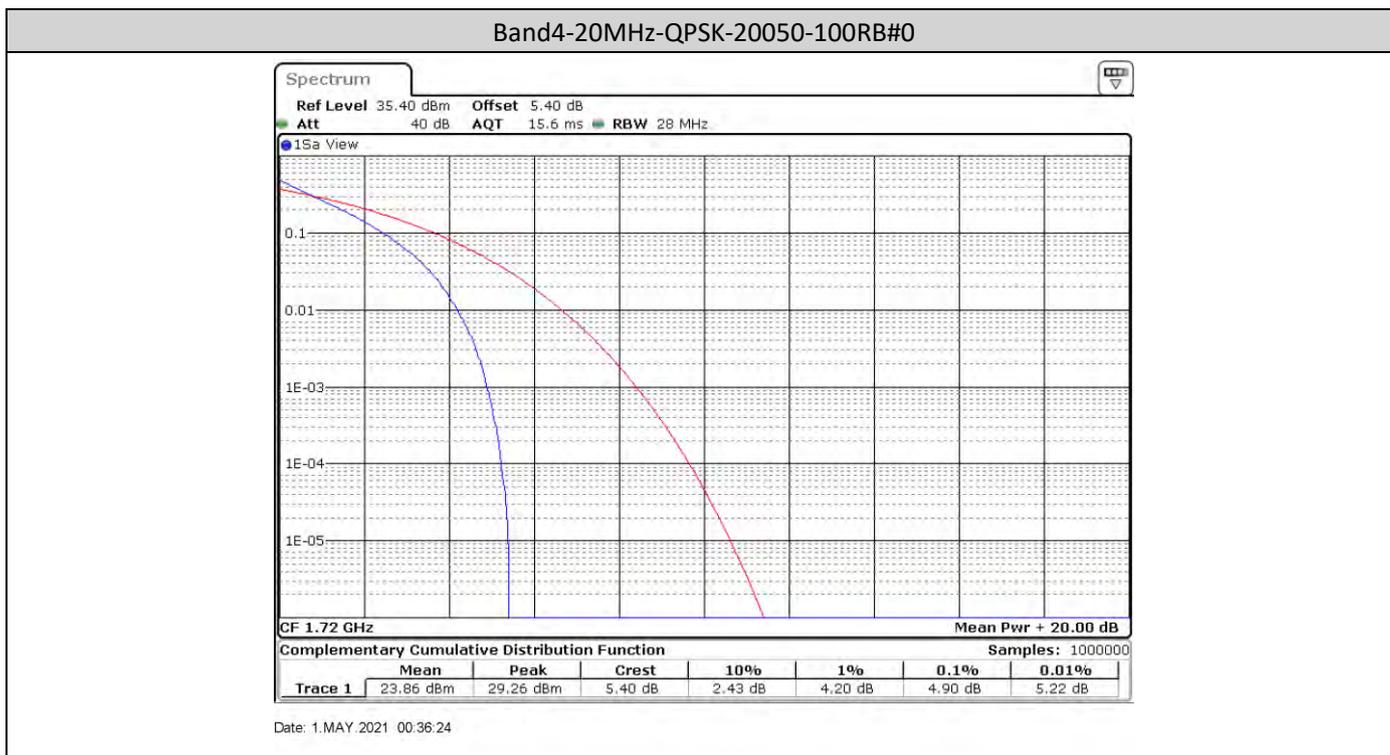


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	4.90	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.10	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.19	13	PASS
Band4	20MHz	64QAM	20050	100RB#0	6.20	13	PASS
Band4	20MHz	64QAM	20175	100RB#0	6.38	13	PASS
Band4	20MHz	64QAM	20300	100RB#0	6.35	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	5.74	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	6.06	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	6.09	13	PASS

2.2. Test Plots



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



Date: 1.MAY 2021 00:36:47

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



Date: 1.MAY 2021 00:37:09



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



Date: 1.MAY 2021 09:33:53

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



Date: 1.MAY 2021 09:34:04



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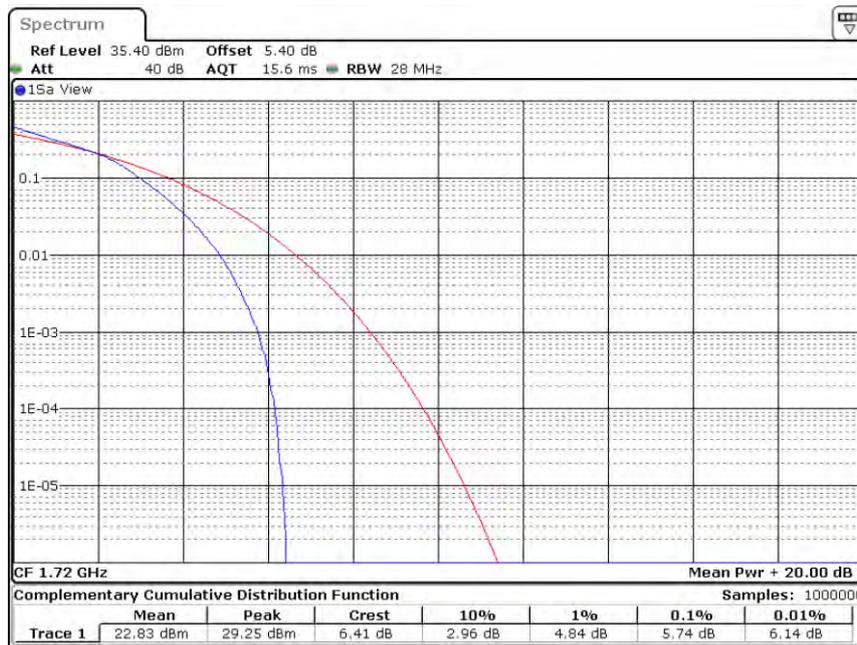
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Band4-20MHz-64QAM-20300-100RB#0



Date: 1.MAY 2021 09:34:15

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



Date: 1.MAY 2021 00:36:35



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



Date: 1.MAY 2021 00:36:58

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



Date: 1.MAY 2021 00:37:20

Remark: all modulation and all Bandwidth had been tested, but only the worst configuration was displayed in this report.



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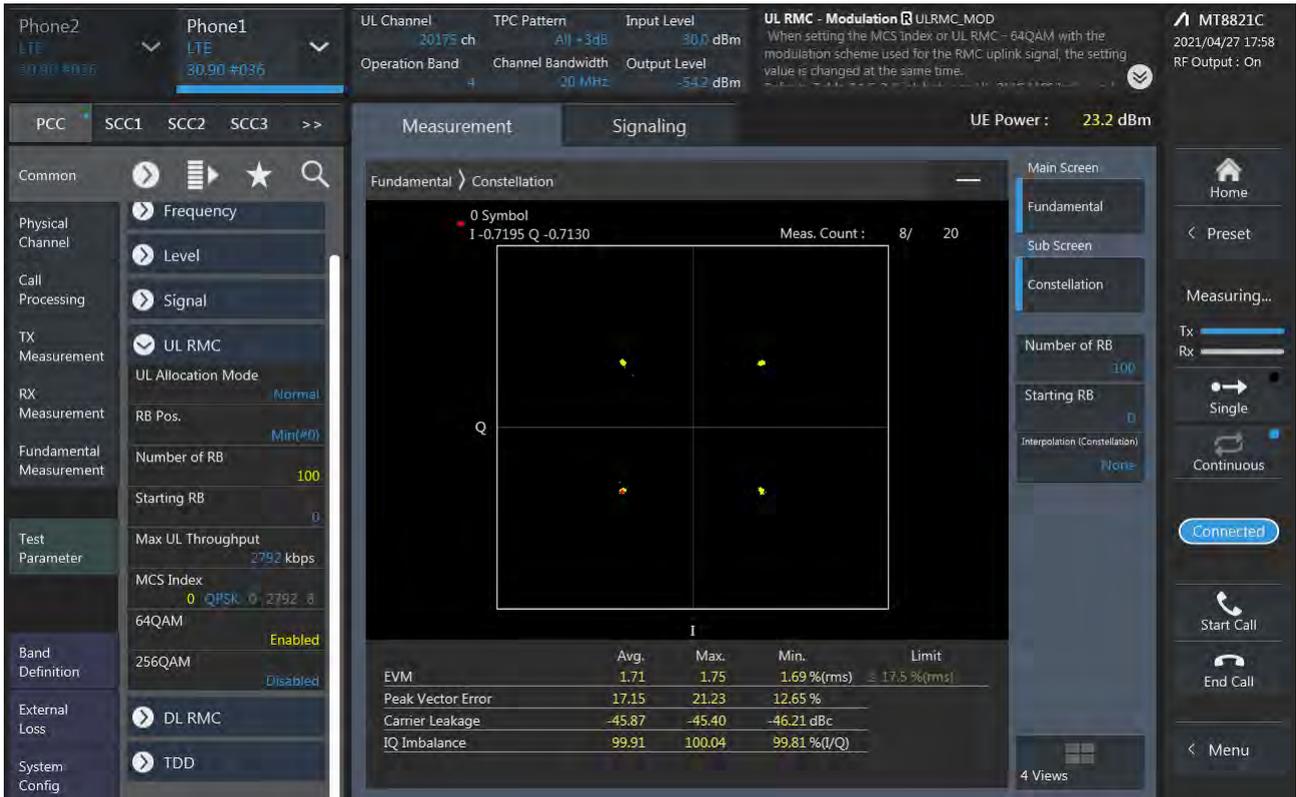
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3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

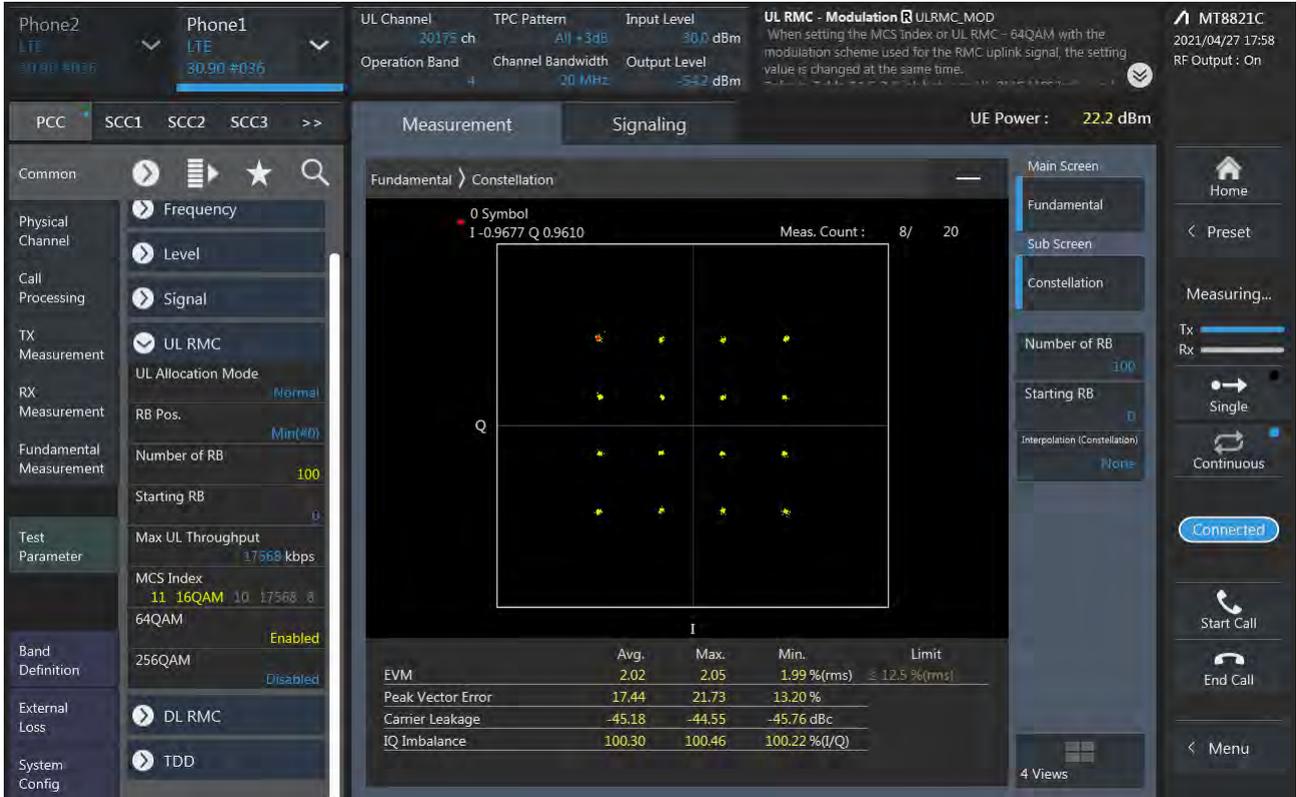
3.1.1. Test Channel = MCH



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3.2. Test Mode = LTE /TM2 20MHz

3.2.1. Test Channel = MCH

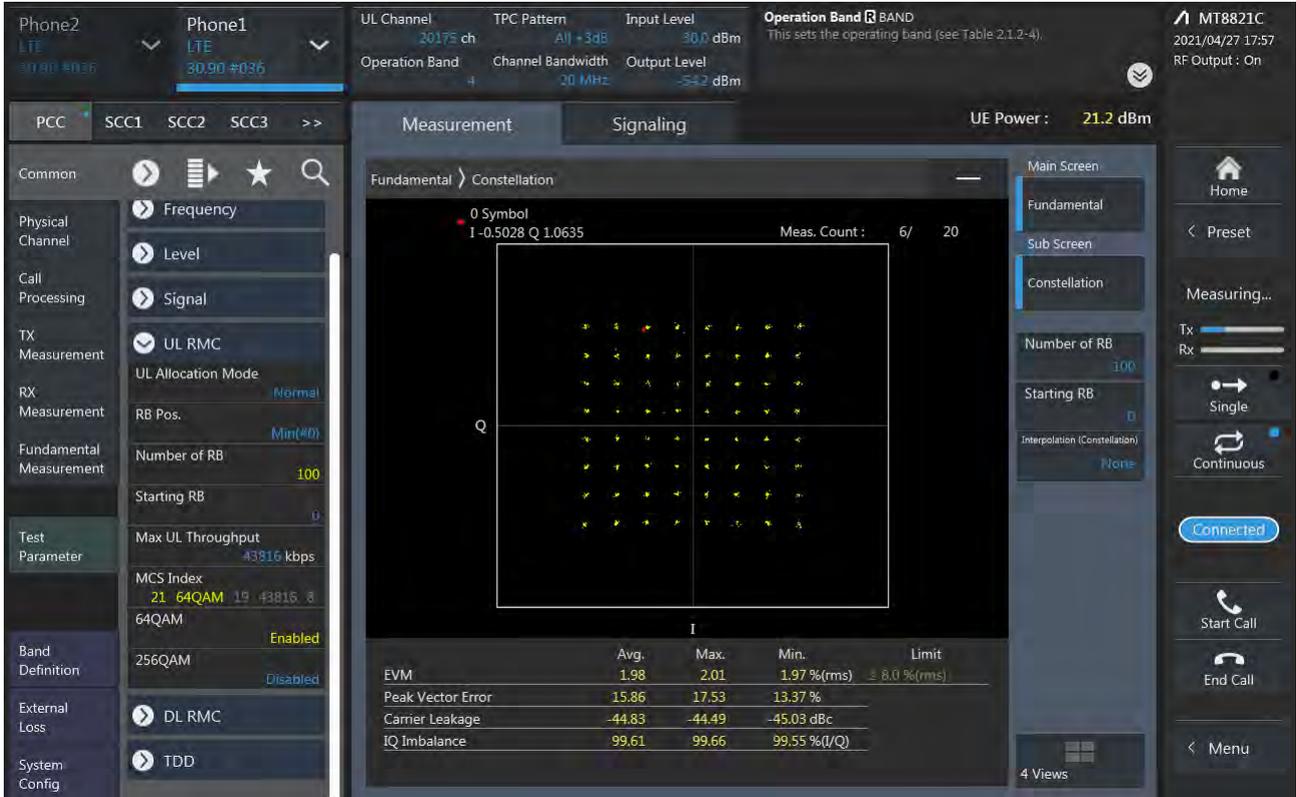


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3.3. Test Mode = LTE /TM3 20MHz

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	1.305	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.091	1.287	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.091	1.290	PASS
Band4	1.4MHz	64QAM	19957	6RB#0	1.094	1.290	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	1.094	1.272	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	1.094	1.281	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.091	1.296	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.094	1.275	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.088	1.287	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.691	2.946	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.691	2.946	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.697	2.946	PASS
Band4	3MHz	64QAM	19965	15RB#0	2.685	2.928	PASS
Band4	3MHz	64QAM	20175	15RB#0	2.685	2.934	PASS
Band4	3MHz	64QAM	20385	15RB#0	2.685	2.928	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.685	2.922	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.679	2.928	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.679	2.934	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.476	4.860	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.476	4.870	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.476	4.870	PASS
Band4	5MHz	64QAM	19975	25RB#0	4.476	4.840	PASS
Band4	5MHz	64QAM	20175	25RB#0	4.476	4.870	PASS
Band4	5MHz	64QAM	20375	25RB#0	4.476	4.850	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.486	4.920	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.486	4.910	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.486	4.910	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.931	9.660	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.931	9.620	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.911	9.620	PASS
Band4	10MHz	64QAM	20000	50RB#0	8.931	9.600	PASS



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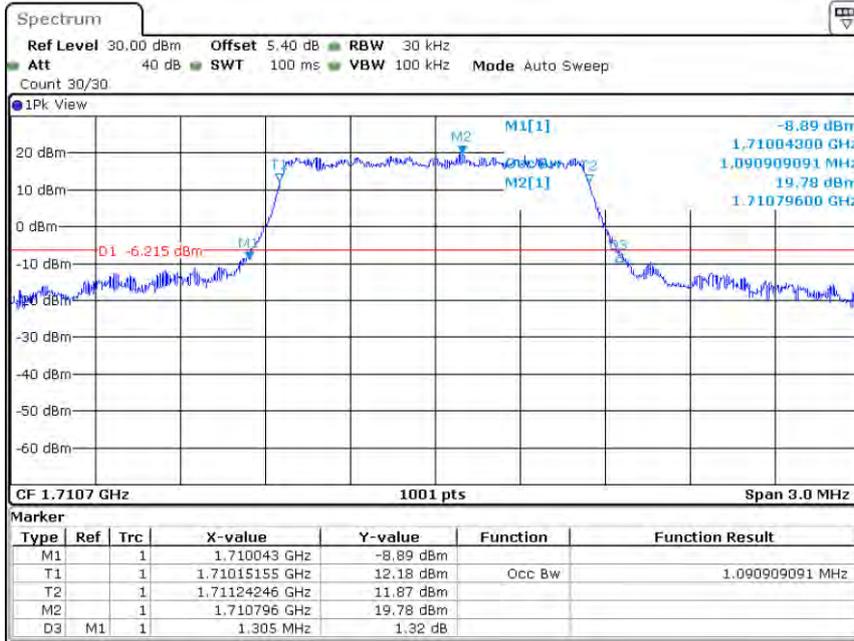
Band4	10MHz	64QAM	20175	50RB#0	8.911	9.580	PASS
Band4	10MHz	64QAM	20350	50RB#0	8.931	9.580	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.911	9.680	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.911	9.680	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.911	9.680	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.457	14.670	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.487	14.640	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.457	14.700	PASS
Band4	15MHz	64QAM	20025	75RB#0	13.427	14.700	PASS
Band4	15MHz	64QAM	20175	75RB#0	13.457	14.700	PASS
Band4	15MHz	64QAM	20325	75RB#0	13.427	14.820	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.457	14.700	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.457	14.730	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.457	14.760	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.902	19.400	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.862	19.360	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.862	19.400	PASS
Band4	20MHz	64QAM	20050	100RB#0	17.862	19.320	PASS
Band4	20MHz	64QAM	20175	100RB#0	17.862	19.320	PASS
Band4	20MHz	64QAM	20300	100RB#0	17.862	19.360	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.902	19.360	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.862	19.400	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.862	19.400	PASS



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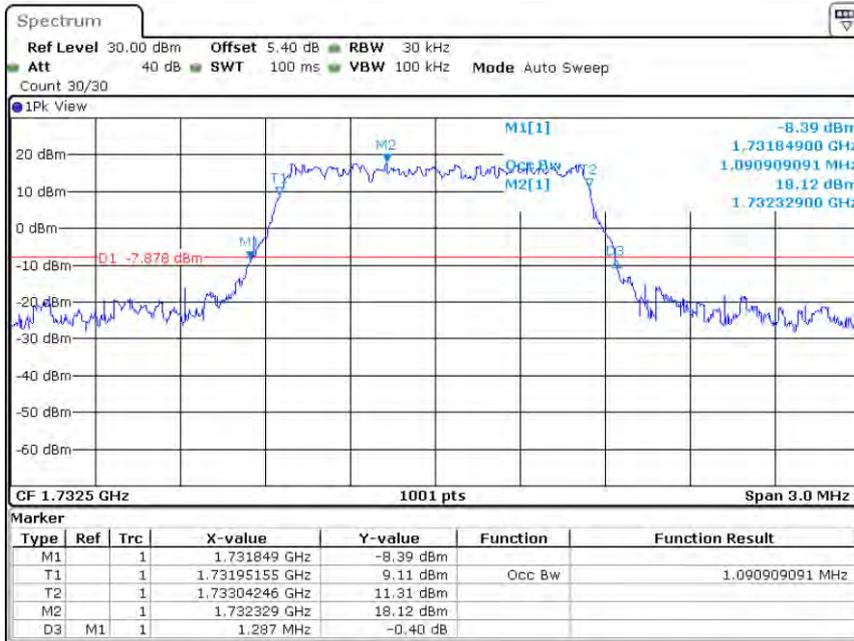
4.2. Test Plots

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



Date: 1.MAY 2021 00:05:16

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



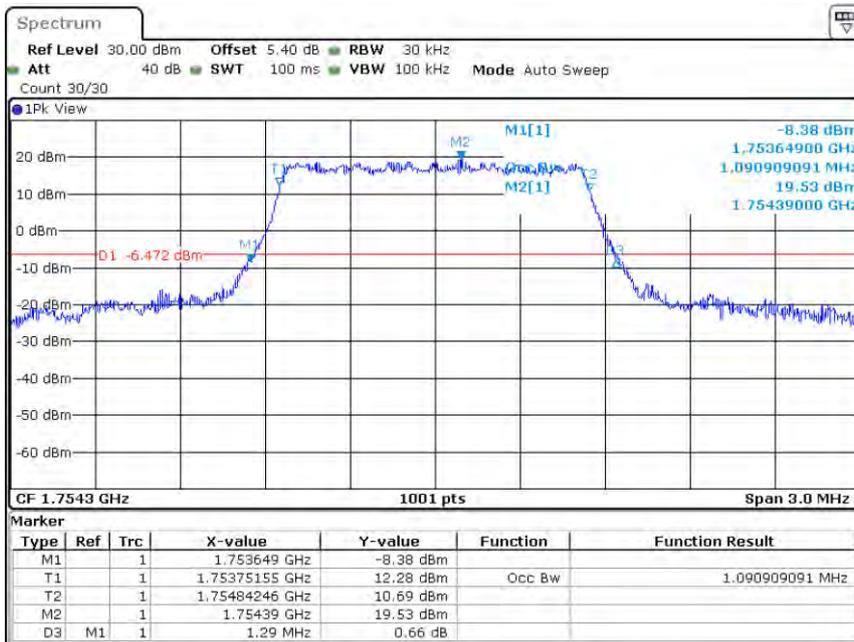
Date: 1.MAY 2021 00:05:41



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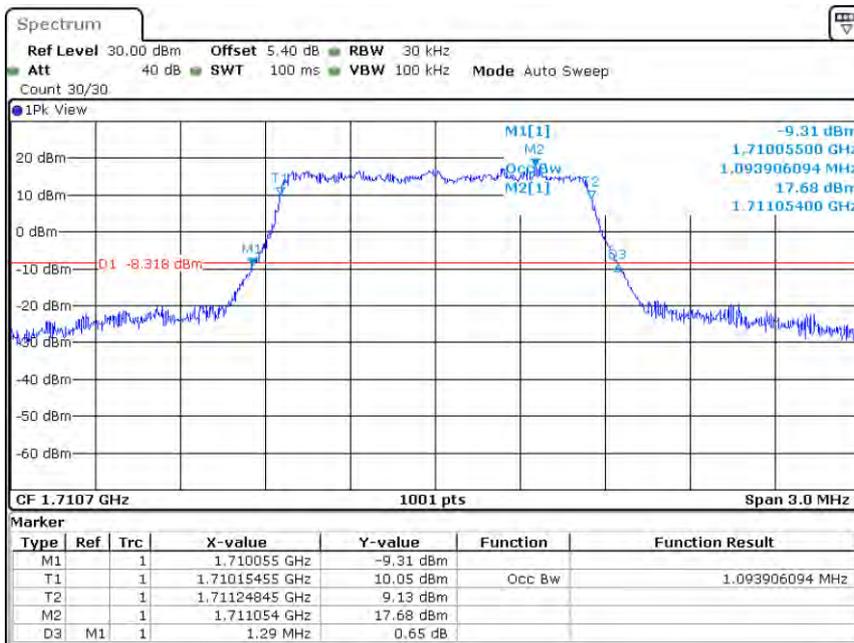


Band4-1.4MHz-QPSK-20393-6RB#0-1.091



Date: 1.MAY 2021 00:06:07

Band4-1.4MHz-64QAM-19957-6RB#0-1.094

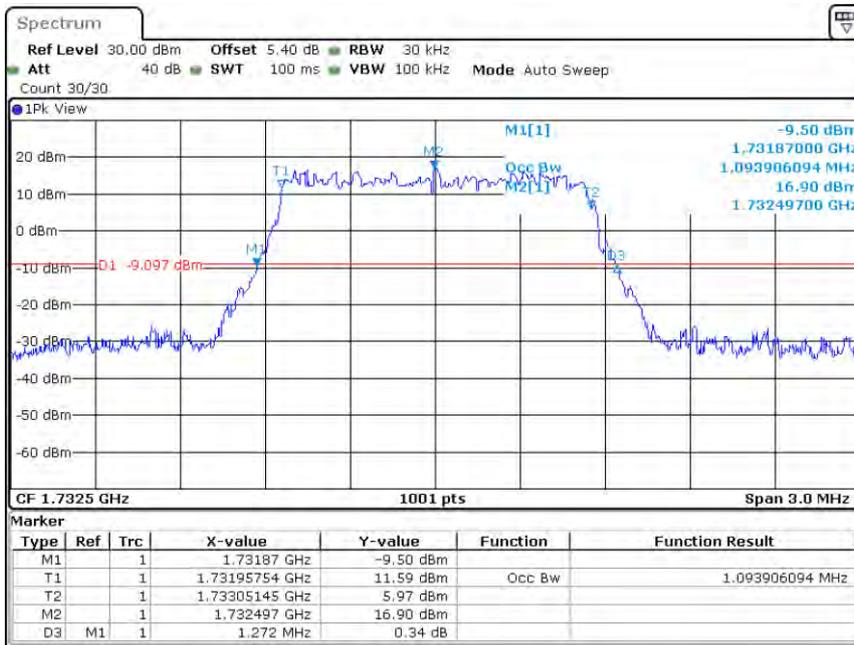


Date: 1.MAY 2021 09:17:21



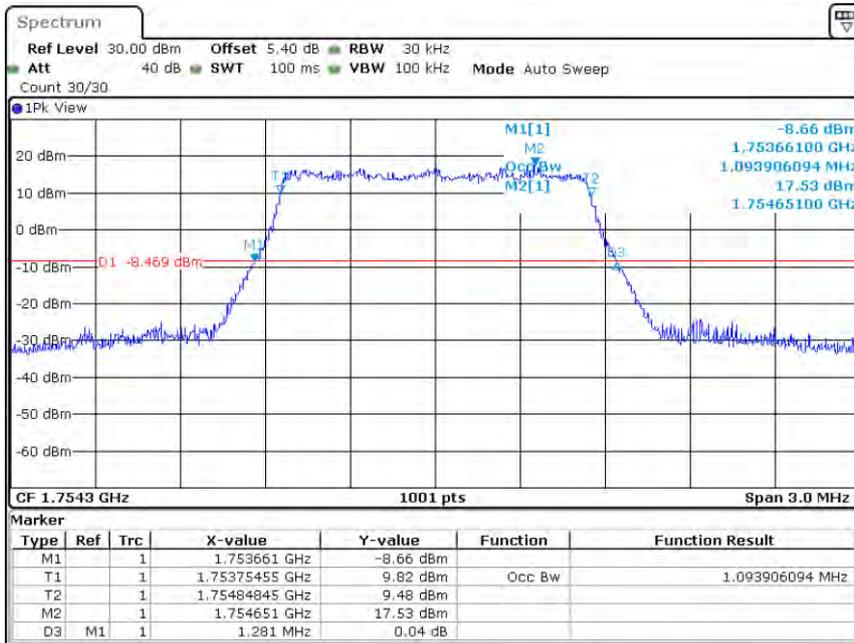
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Band4-1.4MHz-64QAM-20175-6RB#0-1.094



Date: 1.MAY 2021 09:17:34

Band4-1.4MHz-64QAM-20393-6RB#0-1.094



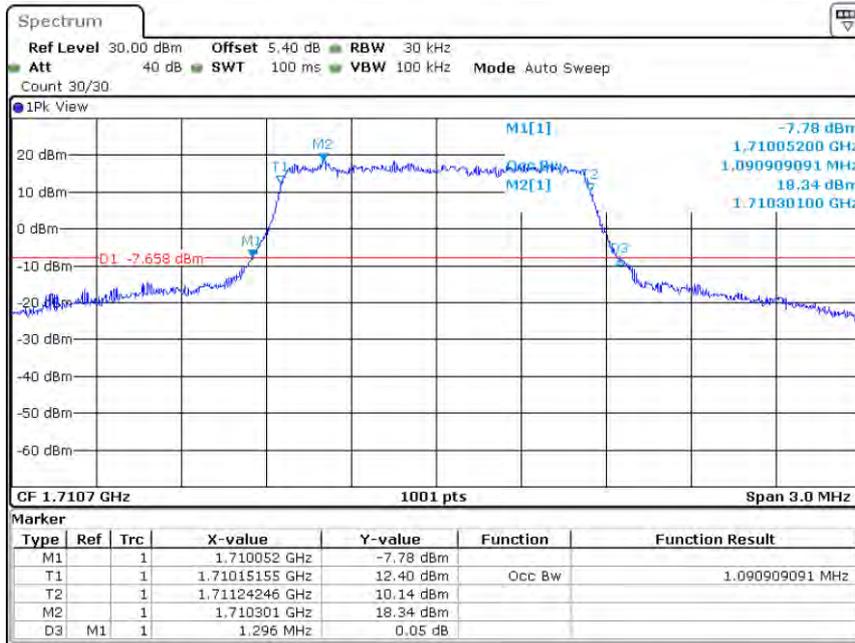
Date: 1.MAY 2021 09:17:47



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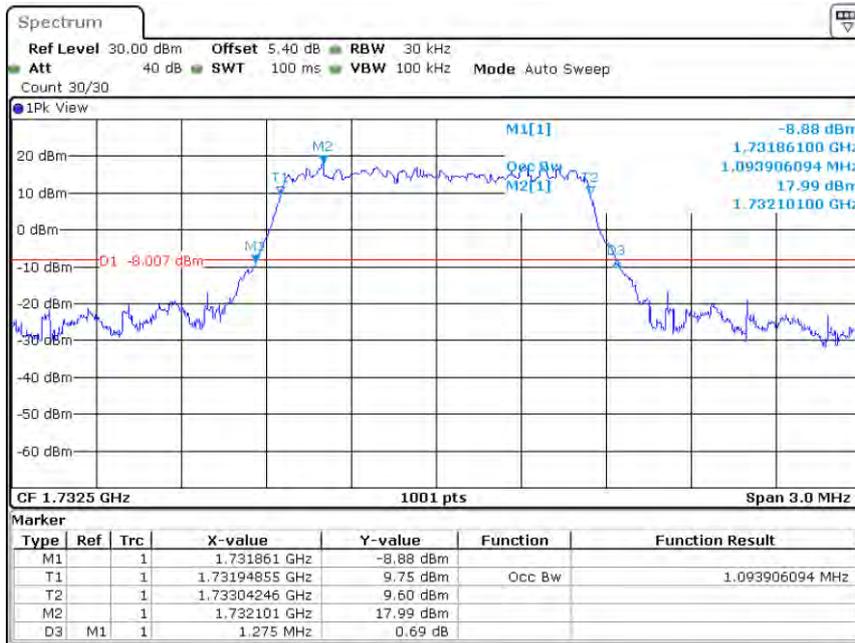


Band4-1.4MHz-16QAM-19957-6RB#0-1.091



Date: 1.MAY 2021 00:05:28

Band4-1.4MHz-16QAM-20175-6RB#0-1.094



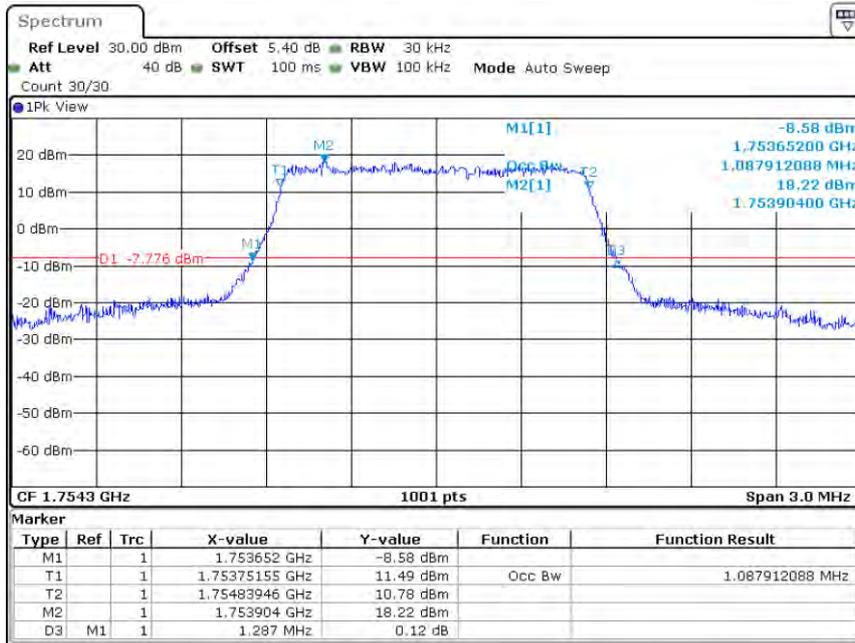
Date: 1.MAY 2021 00:05:54



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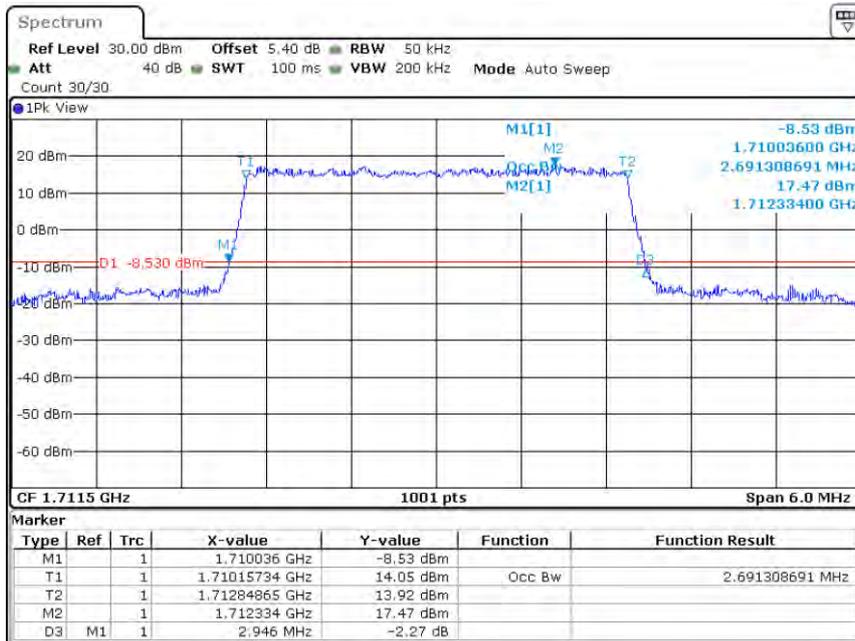


Band4-1.4MHz-16QAM-20393-6RB#0-1.088



Date: 1.MAY 2021 00:06:19

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



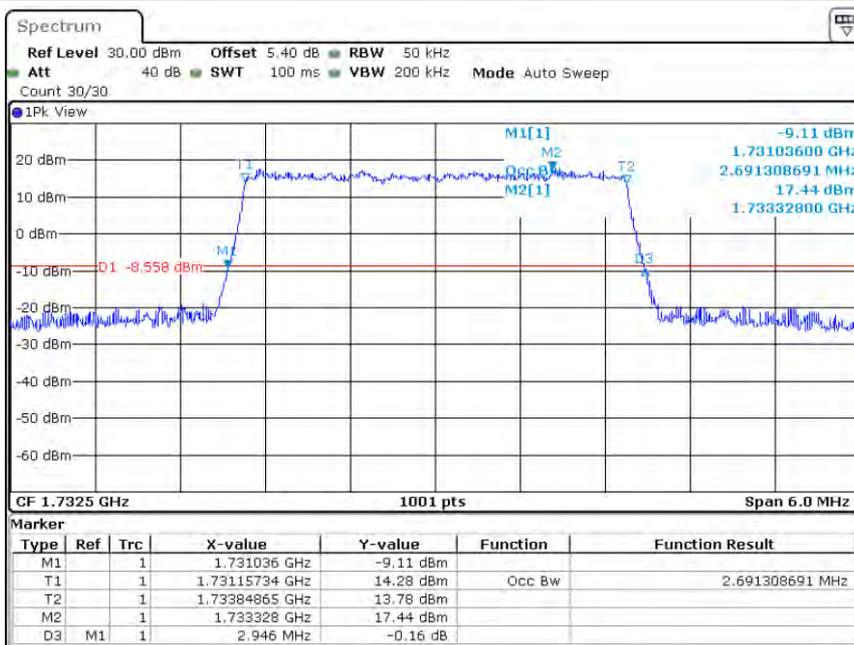
Date: 1.MAY 2021 00:06:37



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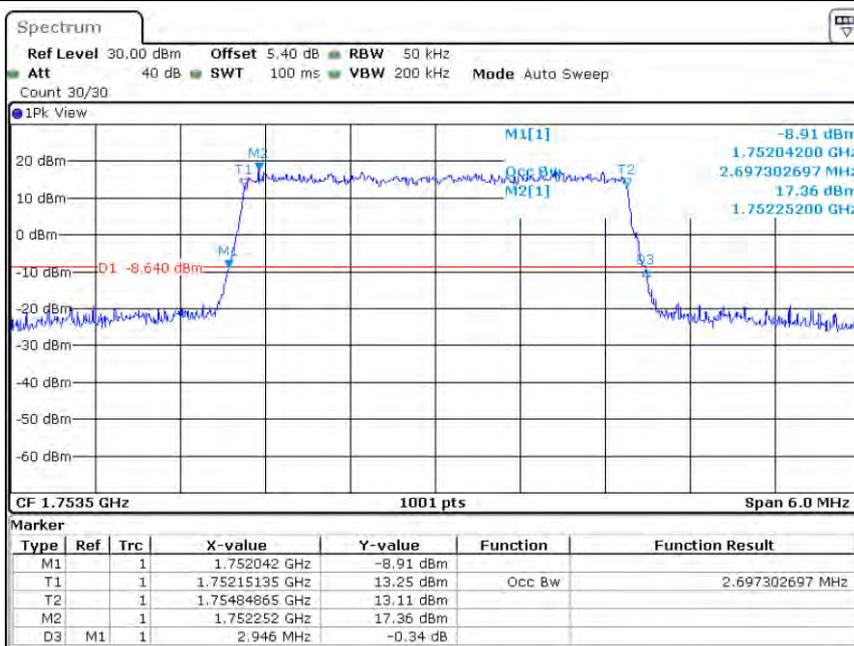


Band4-3MHz-QPSK-20175-15RB#0-2.691



Date: 1.MAY 2021 00:07:03

Band4-3MHz-QPSK-20385-15RB#0-2.697



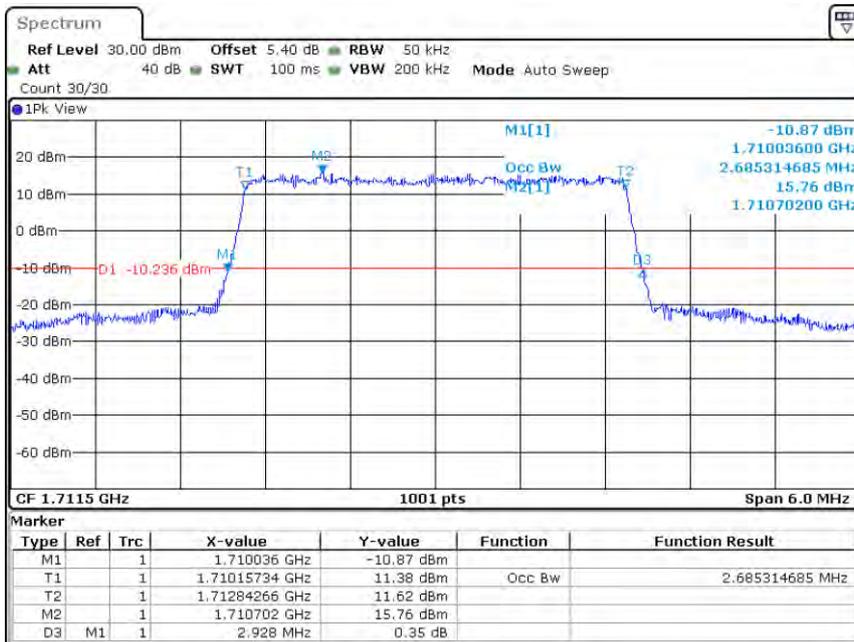
Date: 1.MAY 2021 00:07:28



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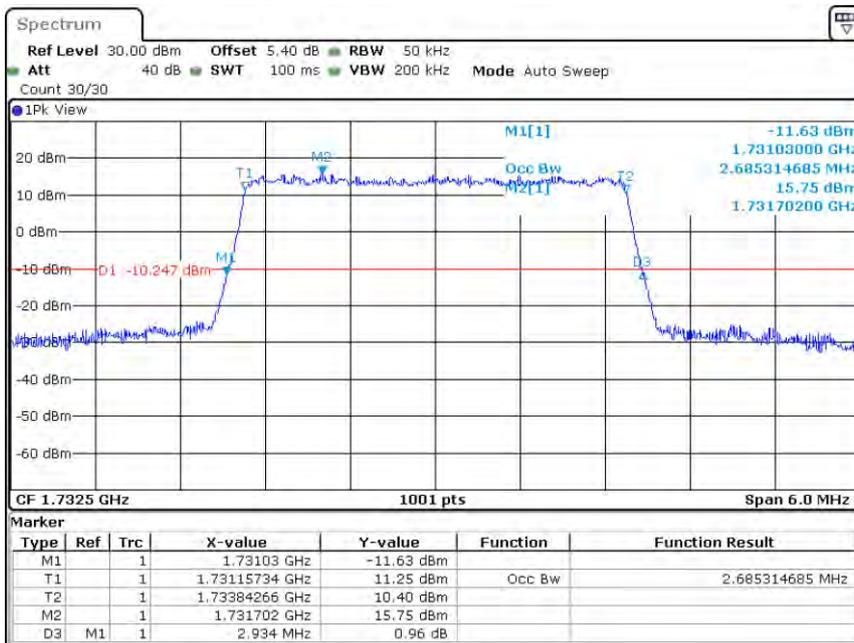


Band4-3MHz-64QAM-19965-15RB#0-2.685



Date: 1.MAY 2021 09:18:05

Band4-3MHz-64QAM-20175-15RB#0-2.685



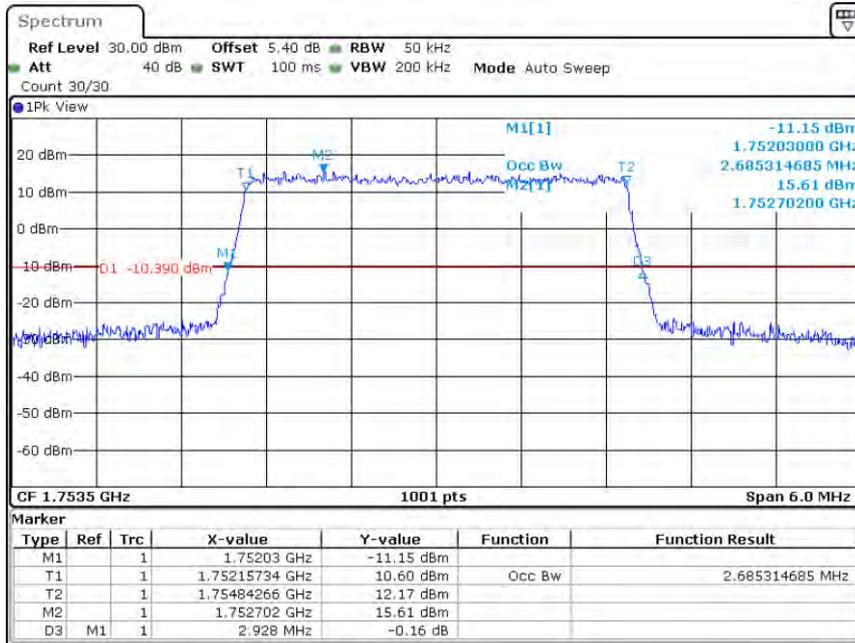
Date: 1.MAY 2021 09:18:18



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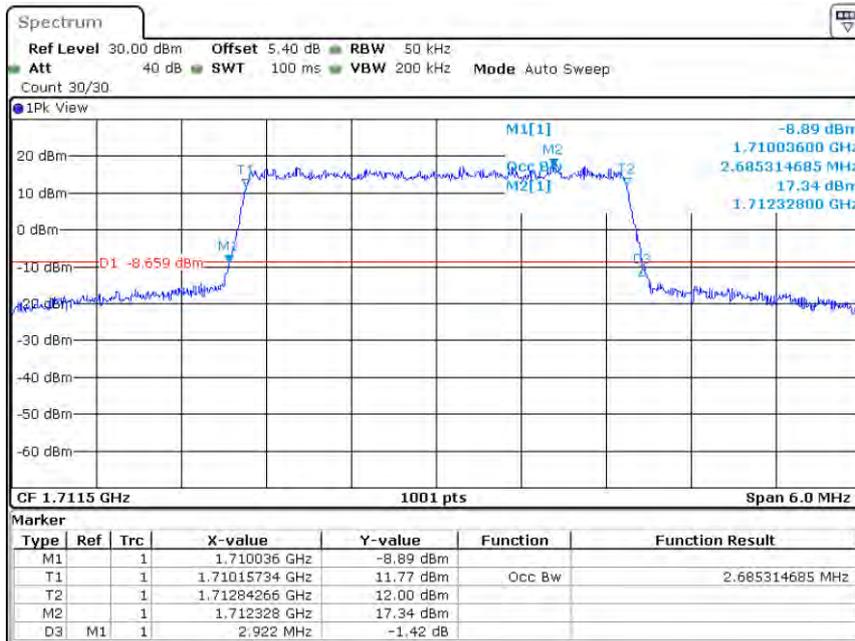


Band4-3MHz-64QAM-20385-15RB#0-2.685



Date: 1.MAY 2021 09:18:31

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



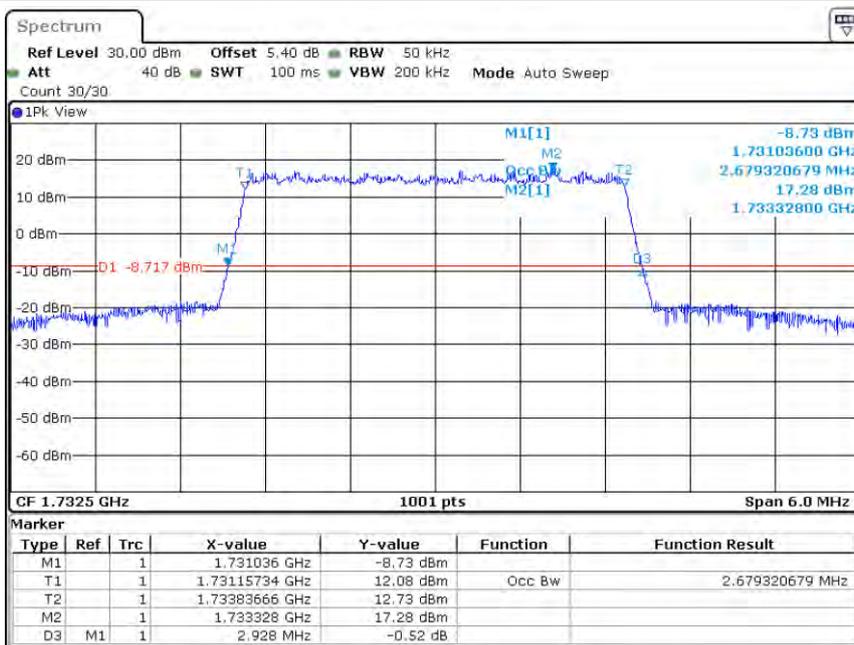
Date: 1.MAY 2021 00:06:50



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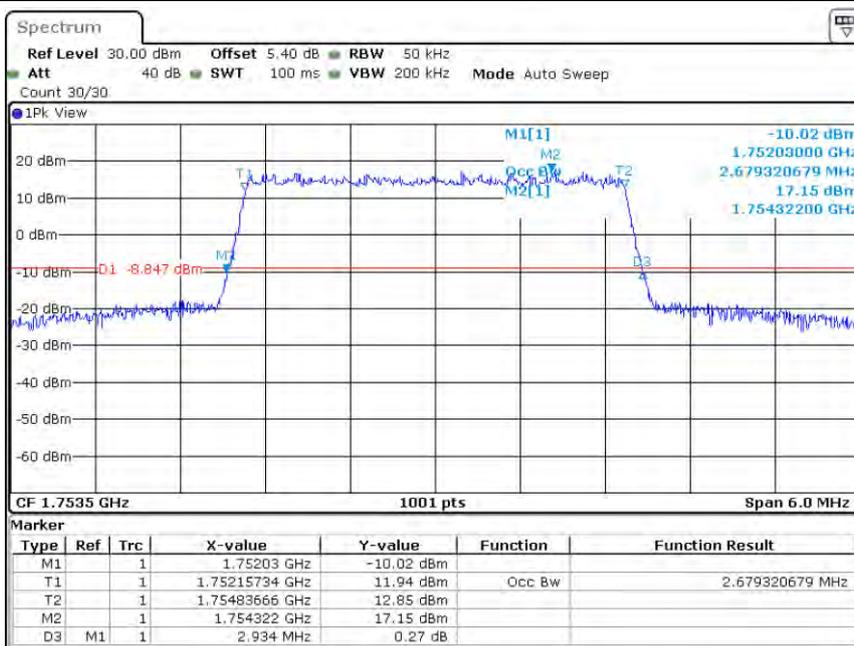


Band4-3MHz-16QAM-20175-15RB#0-2.679



Date: 1.MAY 2021 00:07:15

Band4-3MHz-16QAM-20385-15RB#0-2.679



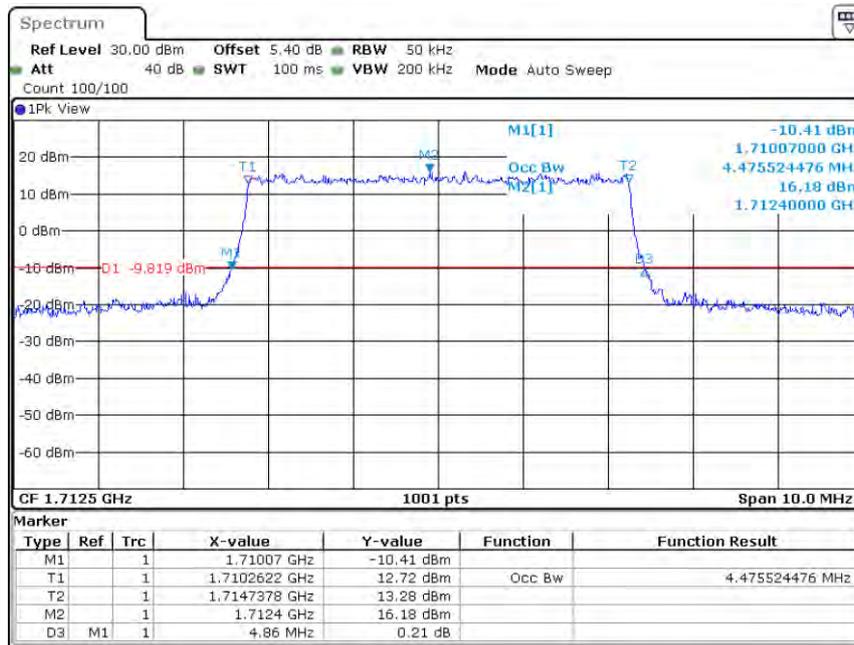
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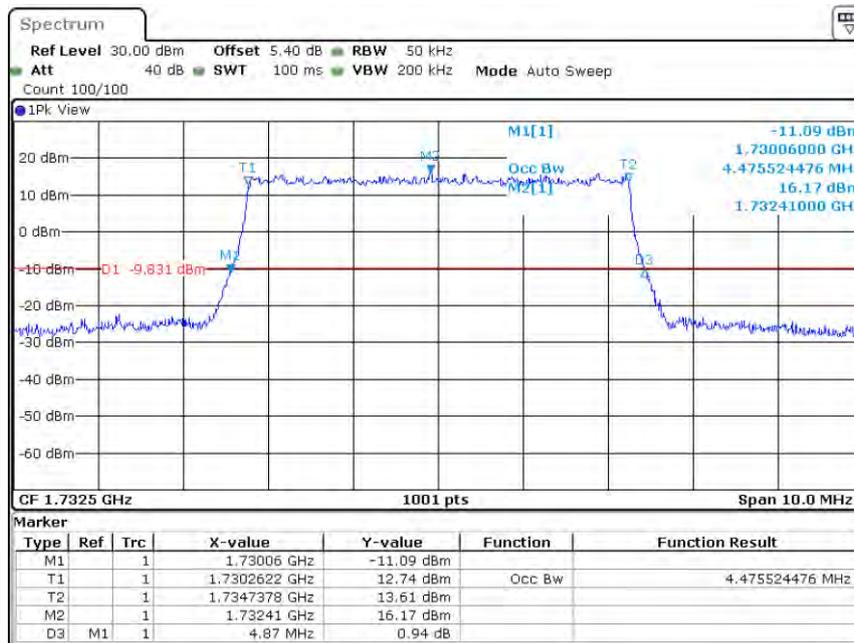


Band4-5MHz-QPSK-19975-25RB#0-4.476



Date: 1.MAY 2021 00:08:05

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



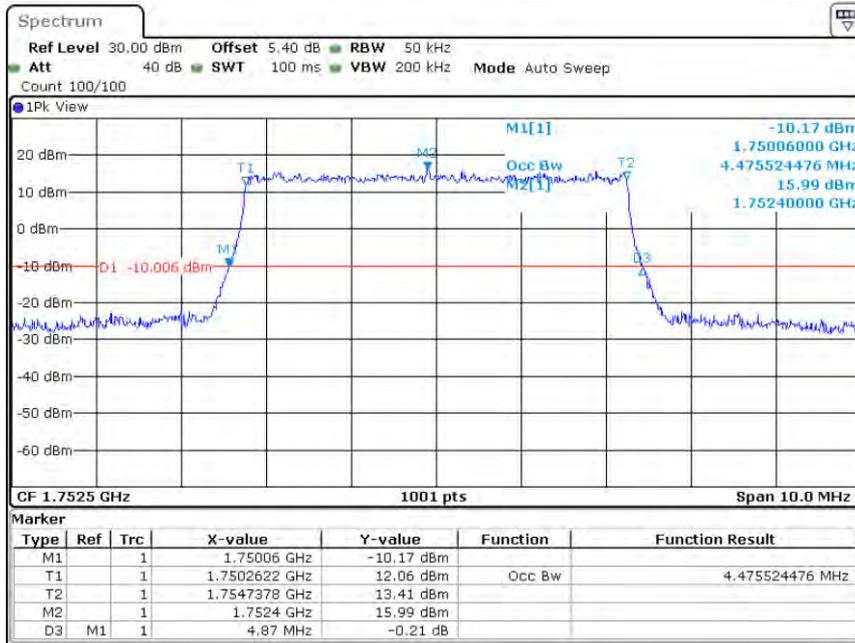
Date: 1.MAY 2021 00:08:45



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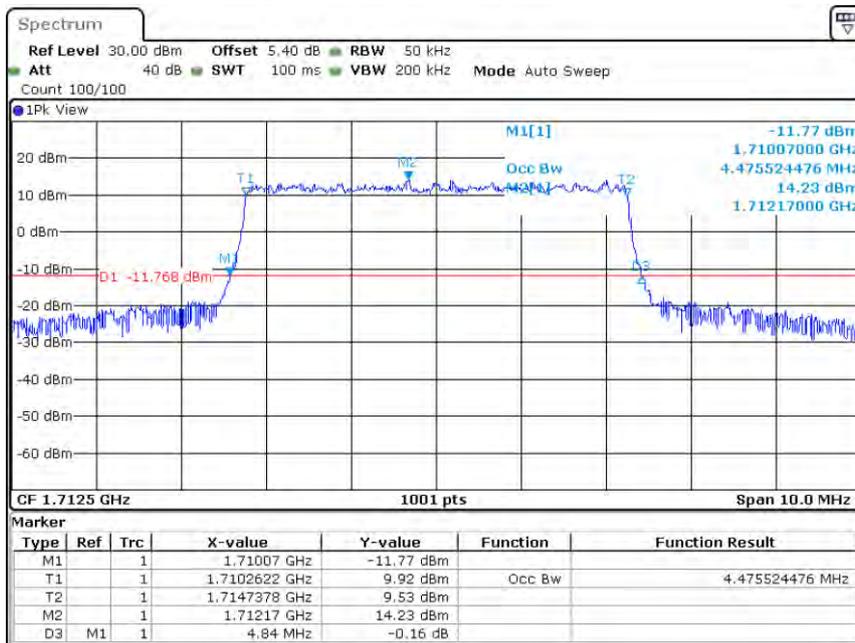


Band4-5MHz-QPSK-20375-25RB#0-4.476



Date: 1.MAY 2021 00:09:24

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



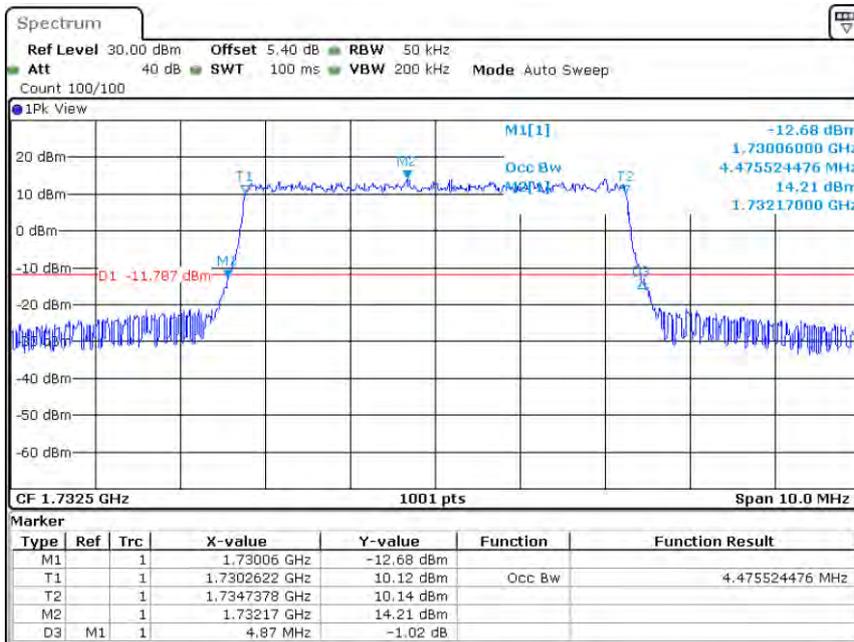
Date: 1.MAY 2021 09:18:55



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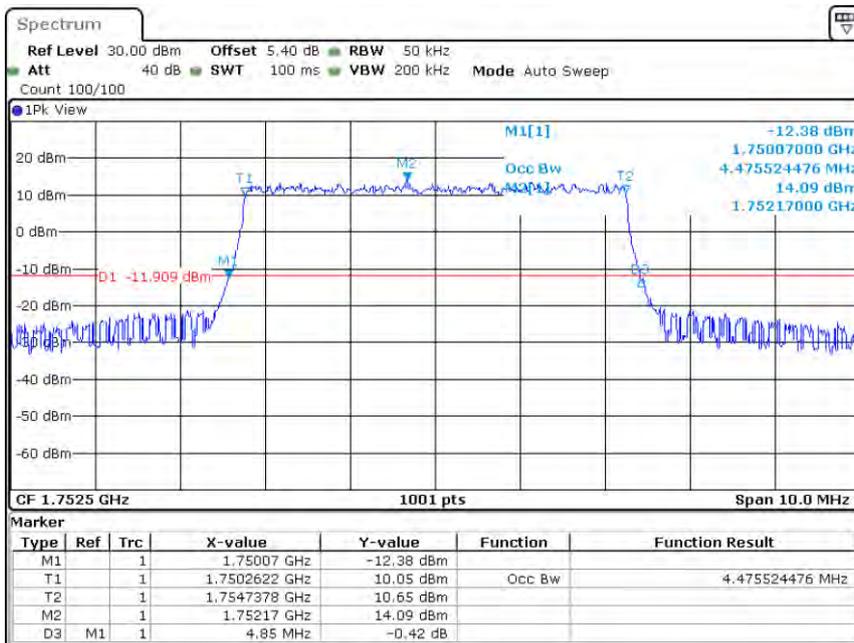


Band4-5MHz-64QAM-20175-25RB#0-4.476



Date: 1.MAY 2021 09:19:15

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



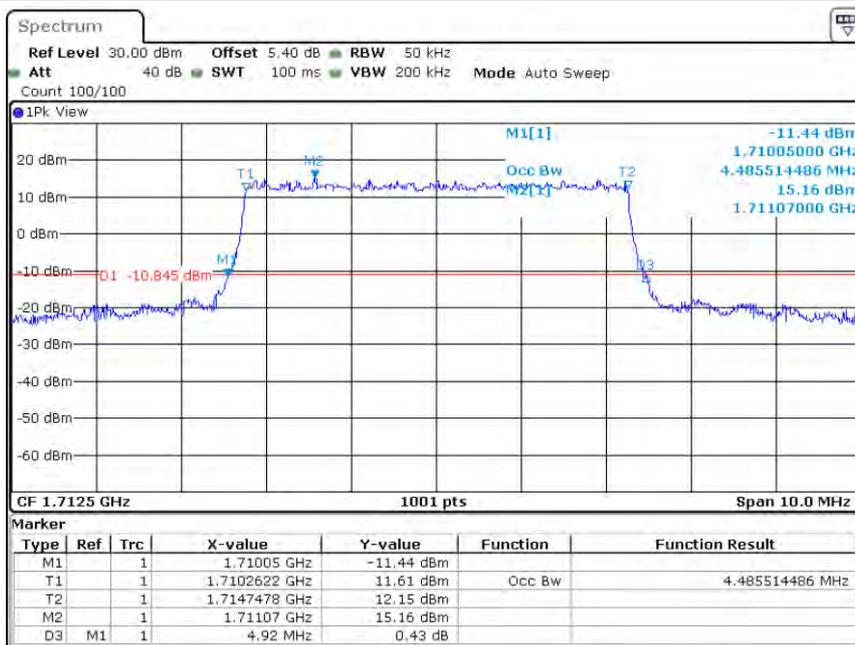
Date: 1.MAY 2021 09:19:35



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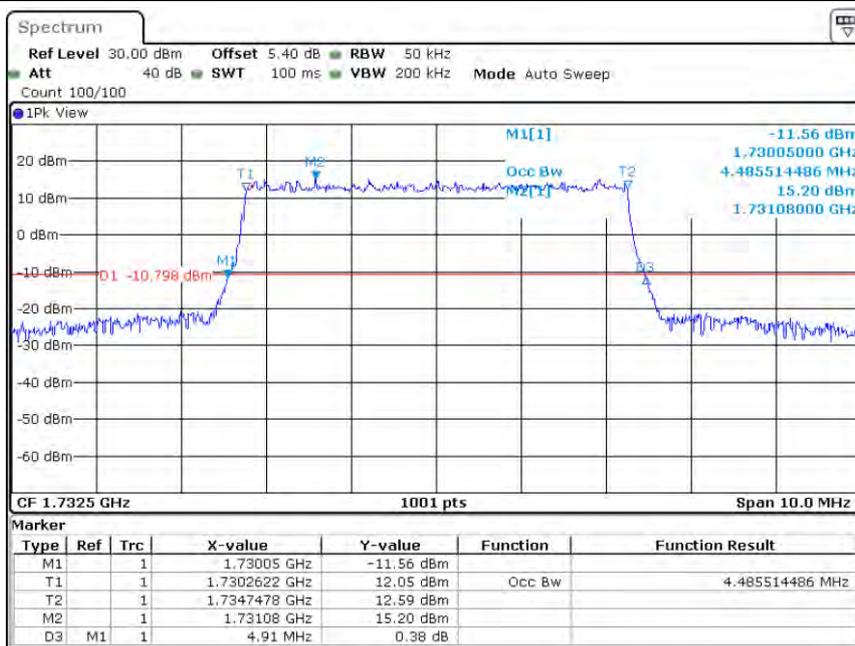


Band4-5MHz-16QAM-19975-25RB#0-4.486



Date: 1.MAY 2021 00:08:25

Band4-5MHz-16QAM-20175-25RB#0-4.486



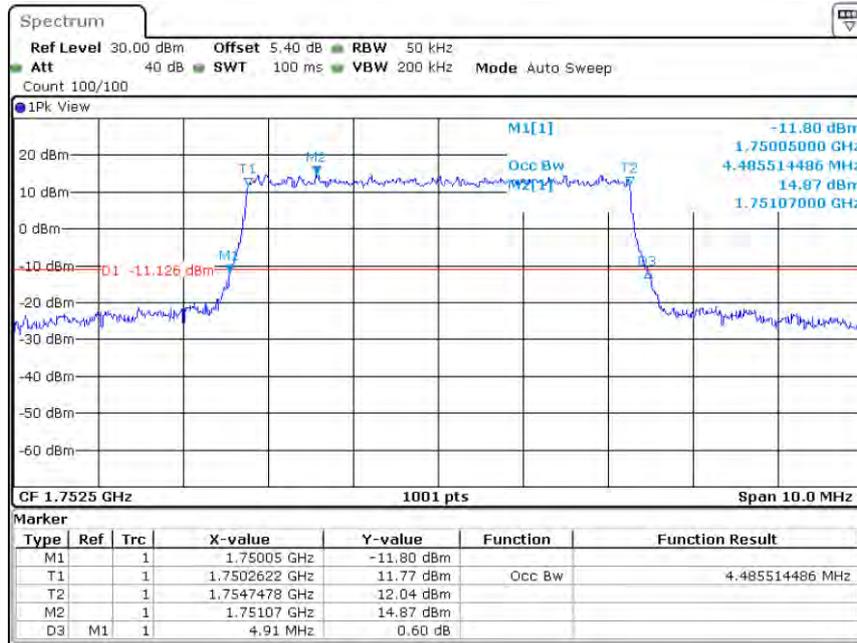
Date: 1.MAY 2021 00:09:04



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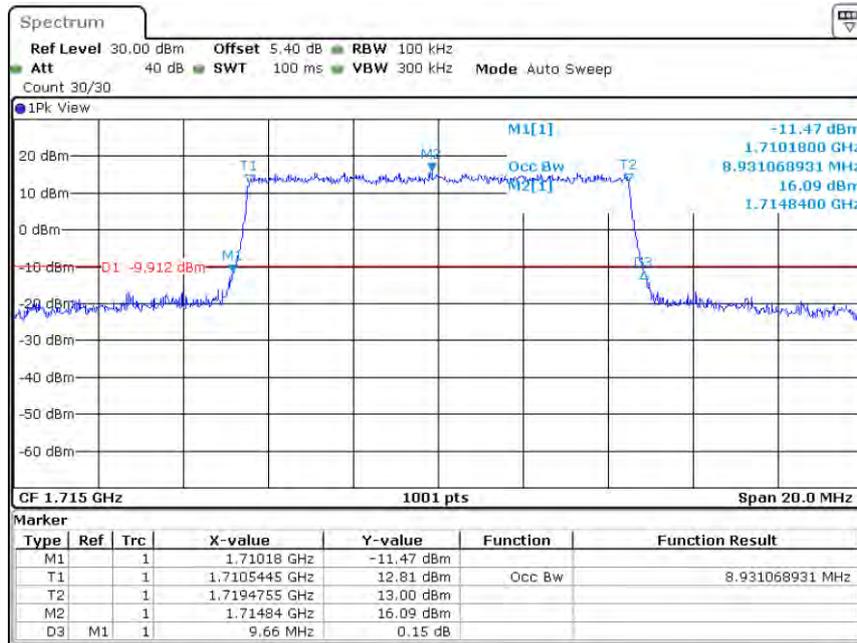


Band4-5MHz-16QAM-20375-25RB#0-4.486



Date: 1.MAY 2021 00:09:44

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

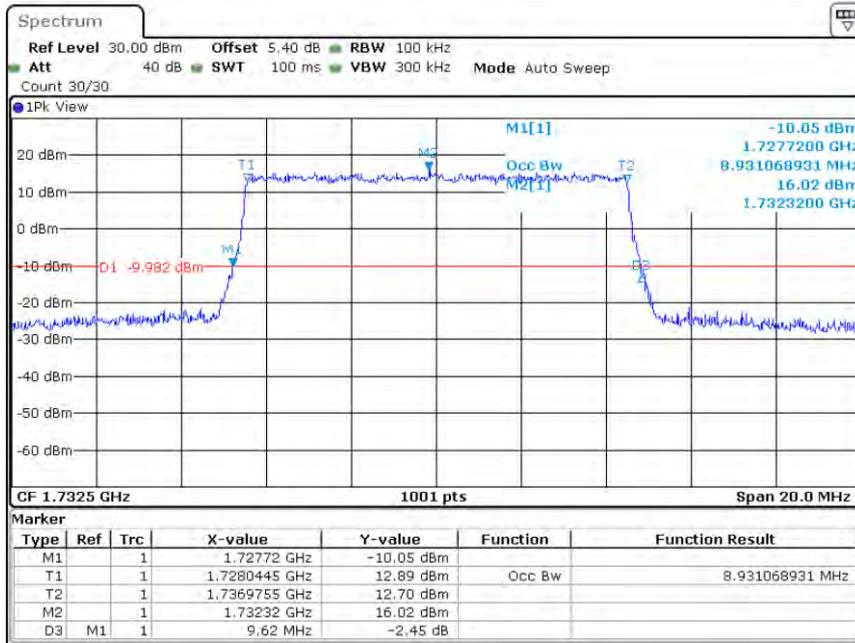


Date: 1.MAY 2021 00:10:01



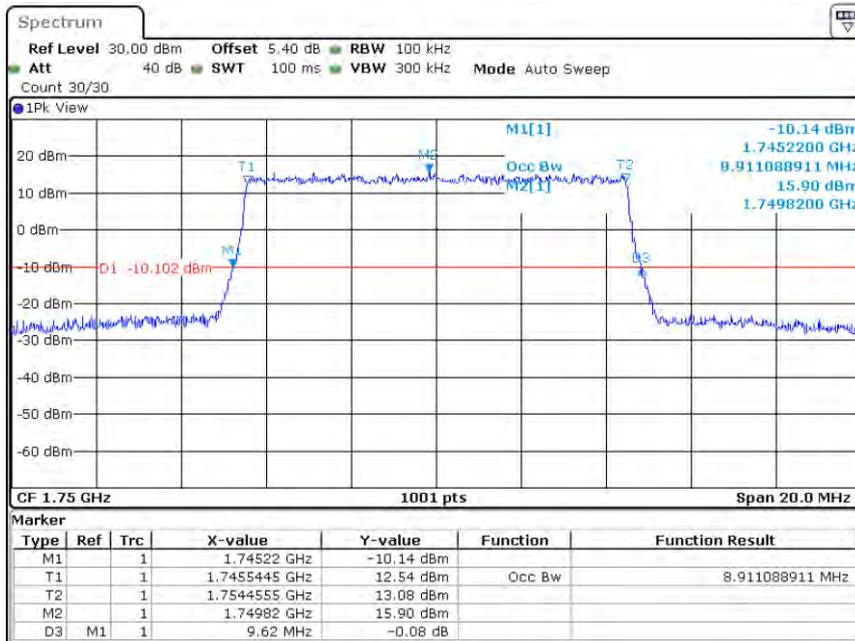
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Band4-10MHz-QPSK-20175-50RB#0-8.931



Date: 1.MAY.2021 00:10:27

Band4-10MHz-QPSK-20350-50RB#0-8.911



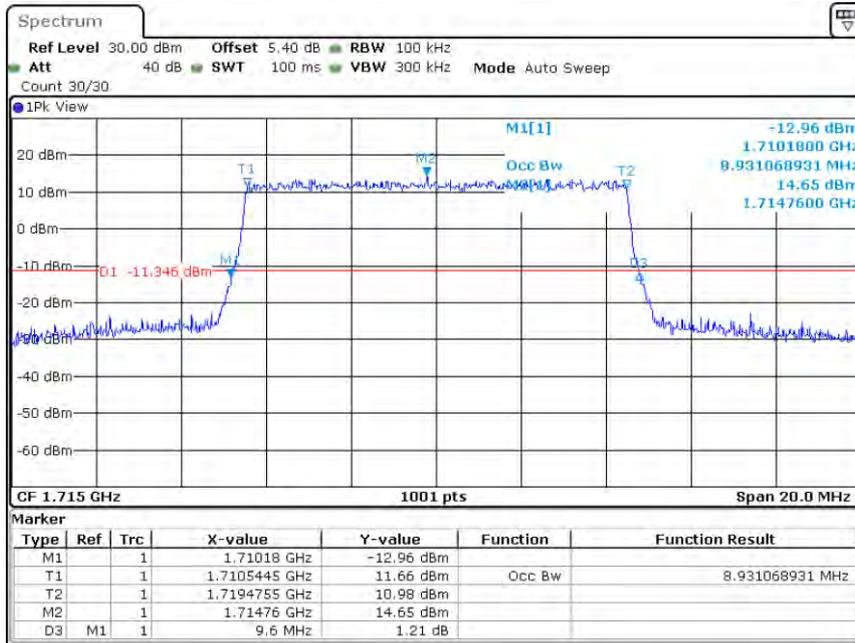
Date: 1.MAY.2021 00:10:52



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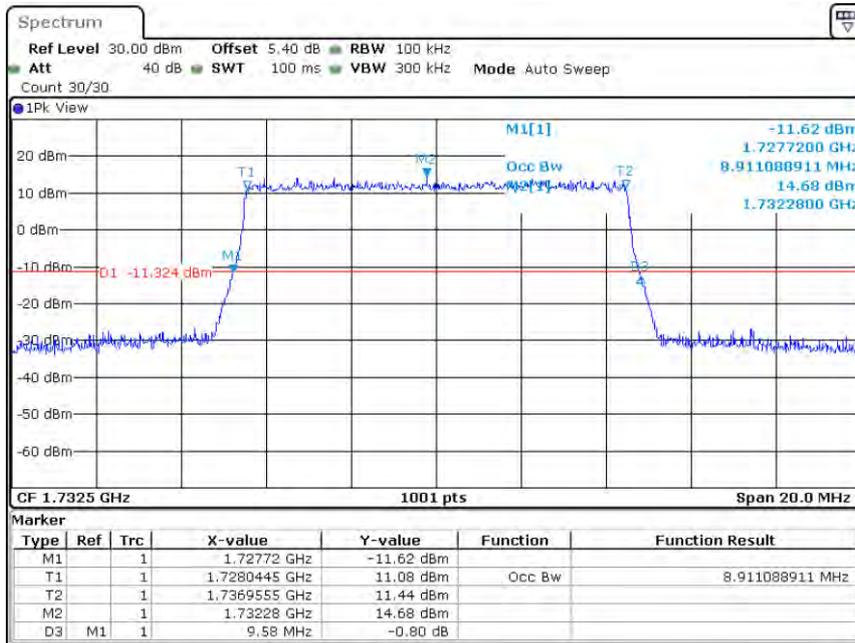


Band4-10MHz-64QAM-2000-50RB#0-8.931



Date: 1.MAY 2021 09:19:53

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



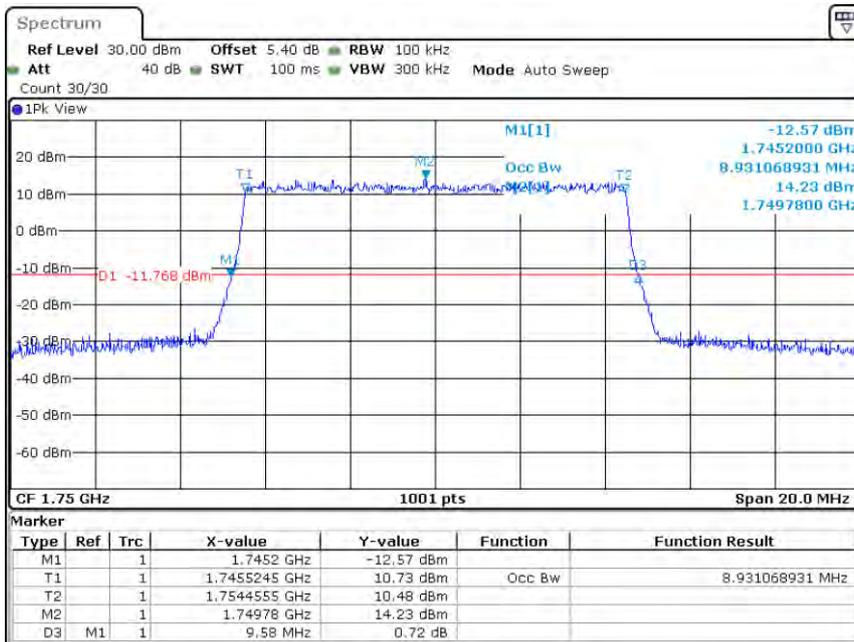
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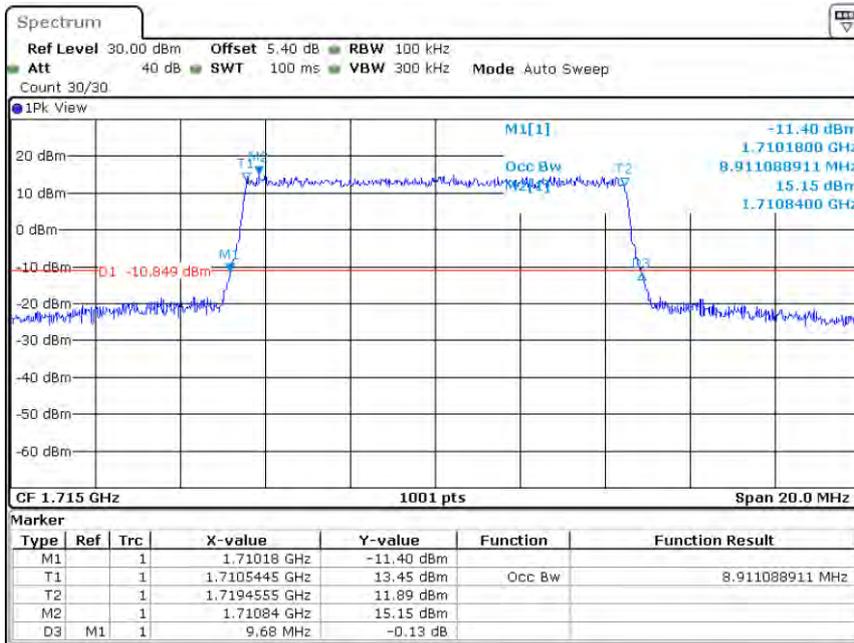
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Band4-10MHz-64QAM-20350-50RB#0-8.931



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



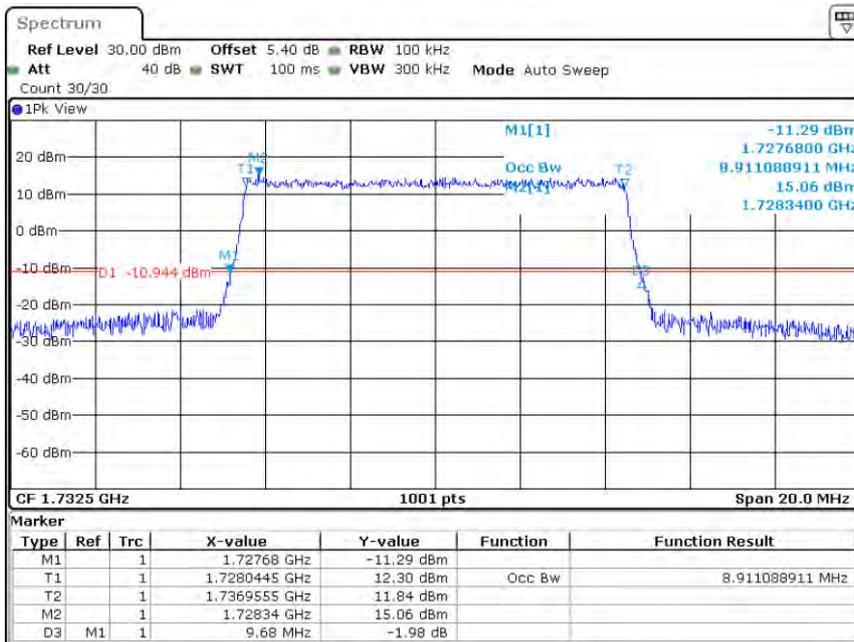
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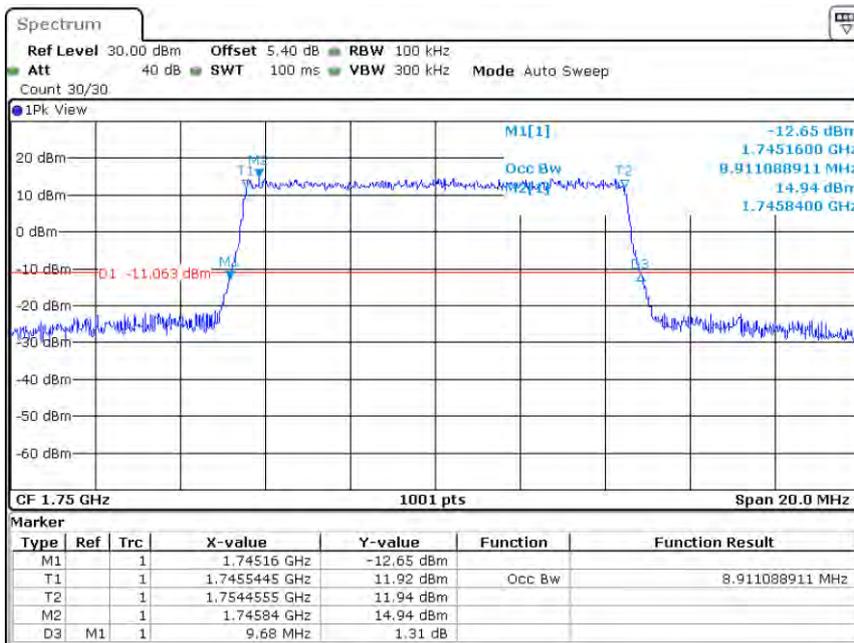
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Band4-10MHz-16QAM-20175-50RB#0-8.911



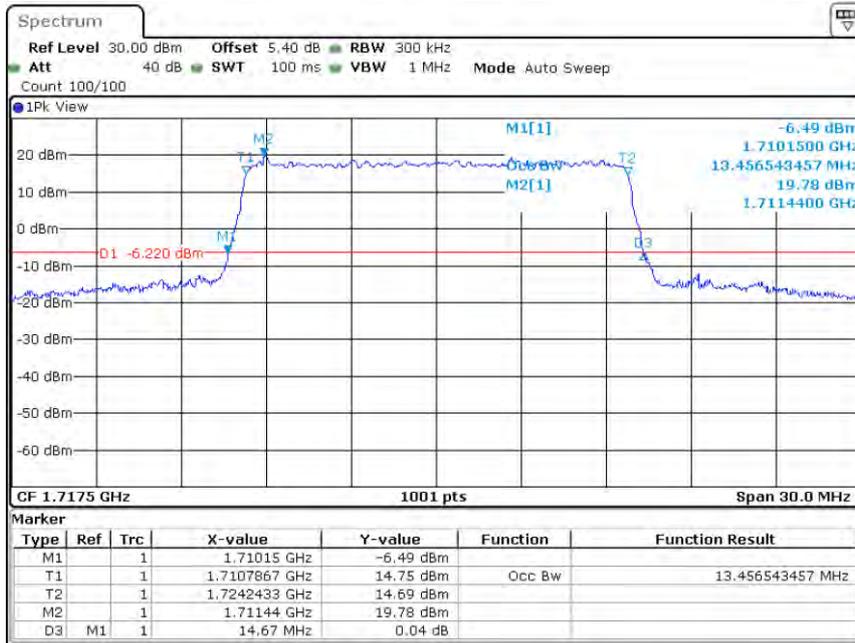
Band4-10MHz-16QAM-20350-50RB#0-8.911



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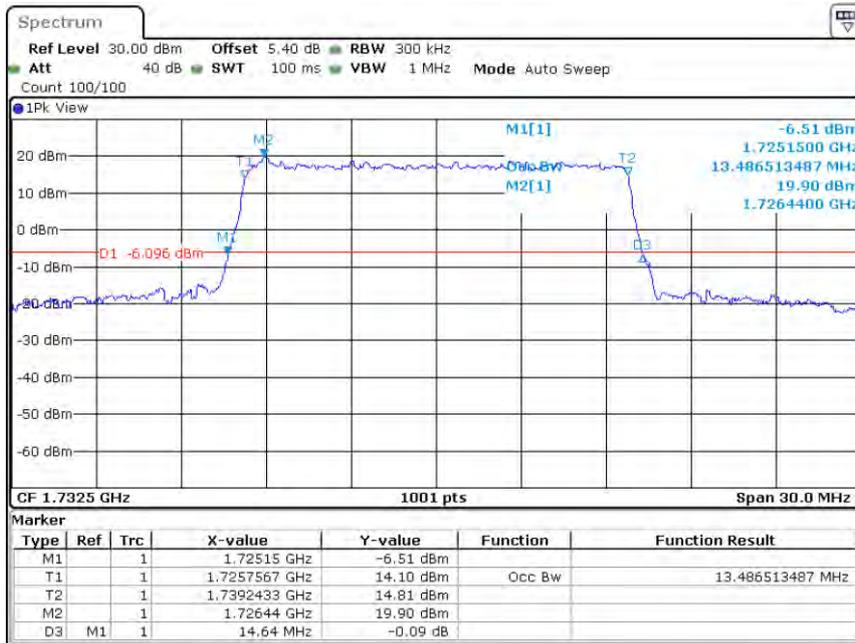


Band4-15MHz-QPSK-20025-75RB#0-13.457



Date: 1.MAY 2021 00:11:29

Band4-15MHz-QPSK-20175-75RB#0-13.487



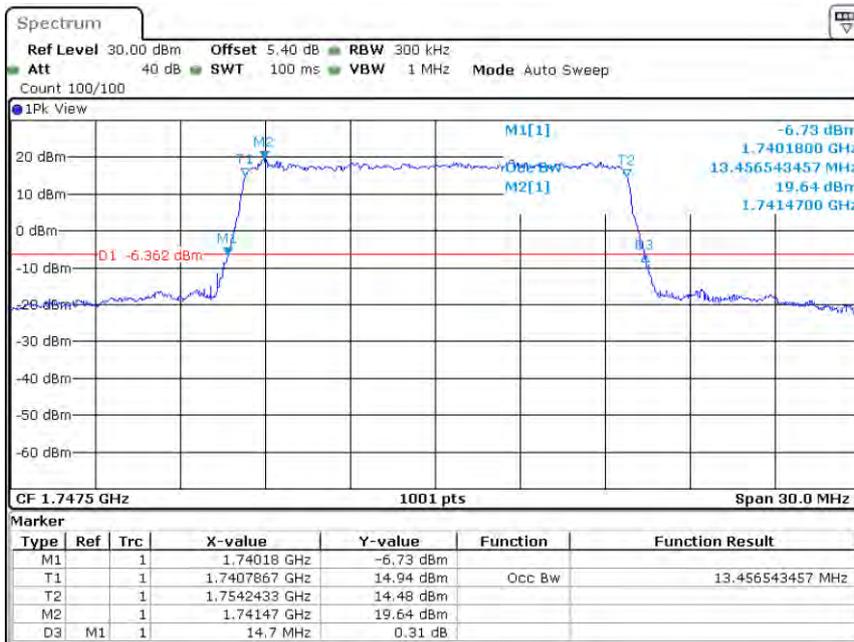
Date: 1.MAY 2021 00:12:09



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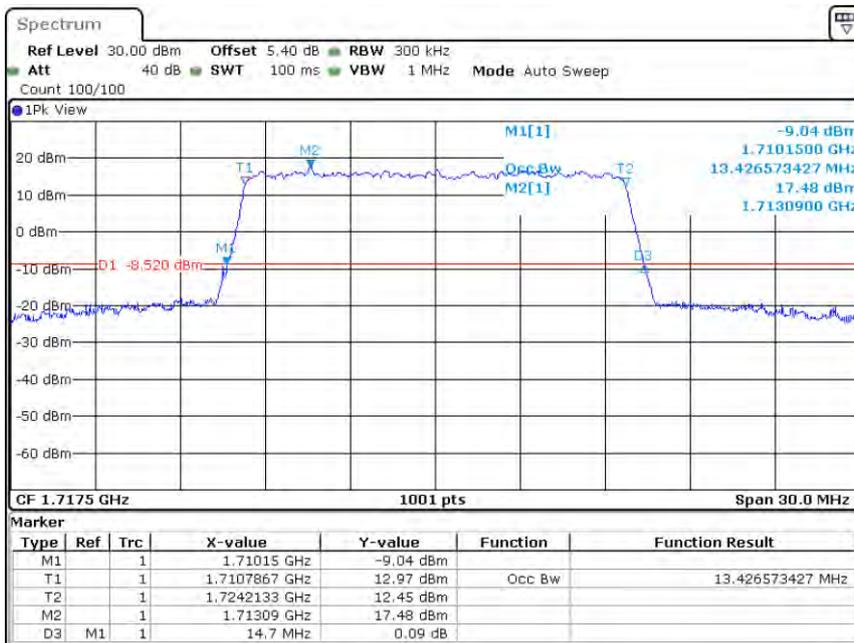


Band4-15MHz-QPSK-20325-75RB#0-13.457



Date: 1.MAY 2021 00:12:48

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

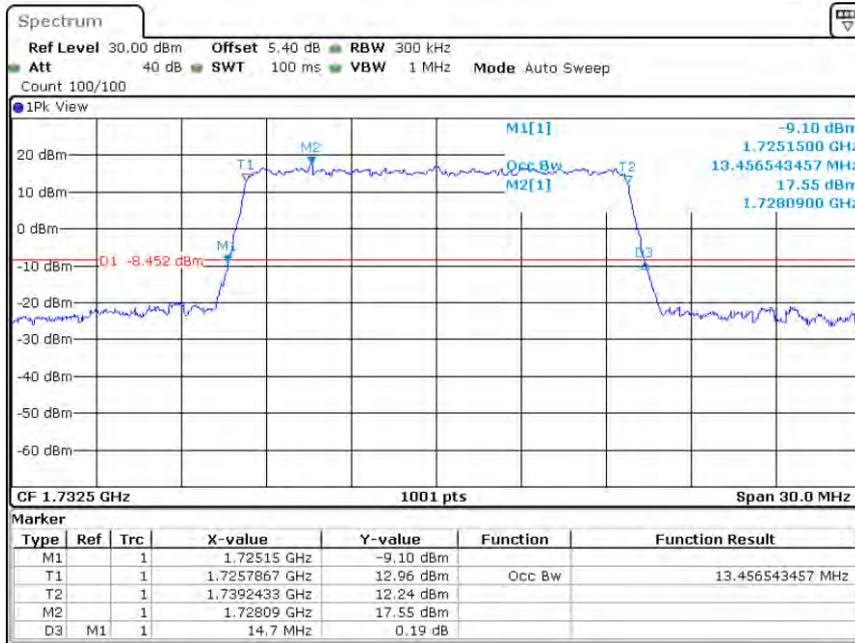


Date: 1.MAY 2021 09:20:48



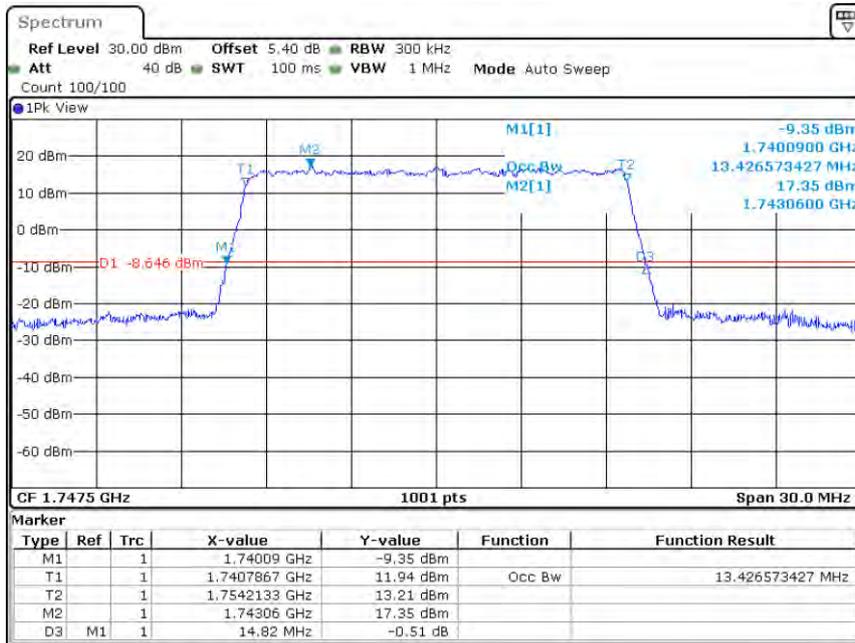
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Band4-15MHz-64QAM-20175-75RB#0-13.457



Date: 1.MAY 2021 09:21:13

Band4-15MHz-64QAM-20325-75RB#0-13.427

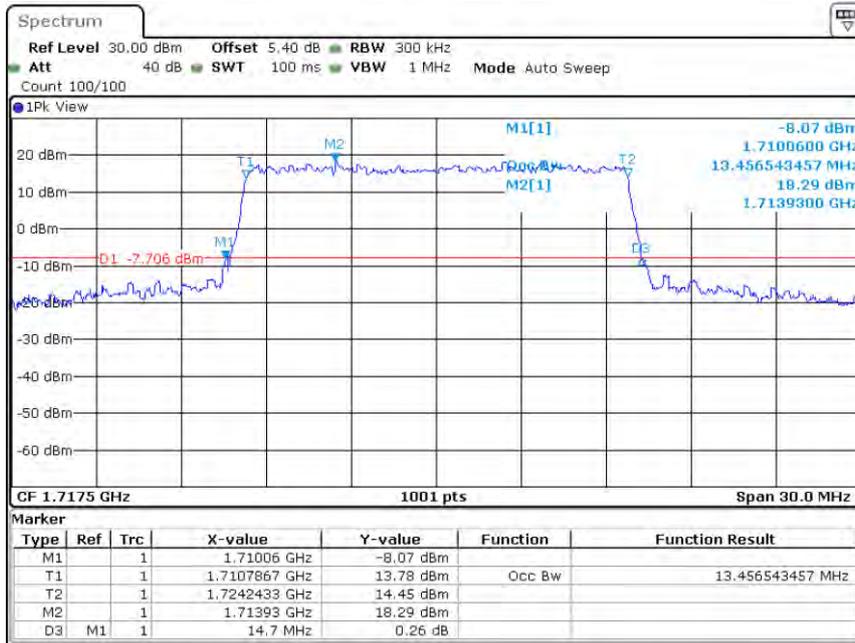


Date: 1.MAY 2021 09:21:33



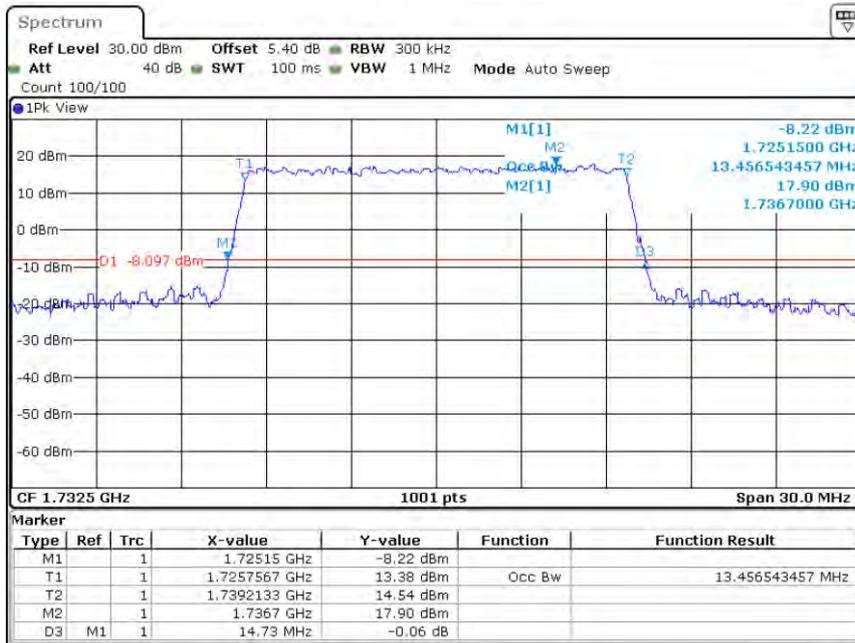
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Band4-15MHz-16QAM-20025-75RB#0-13.457



Date: 1.MAY 2021 00:11:49

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

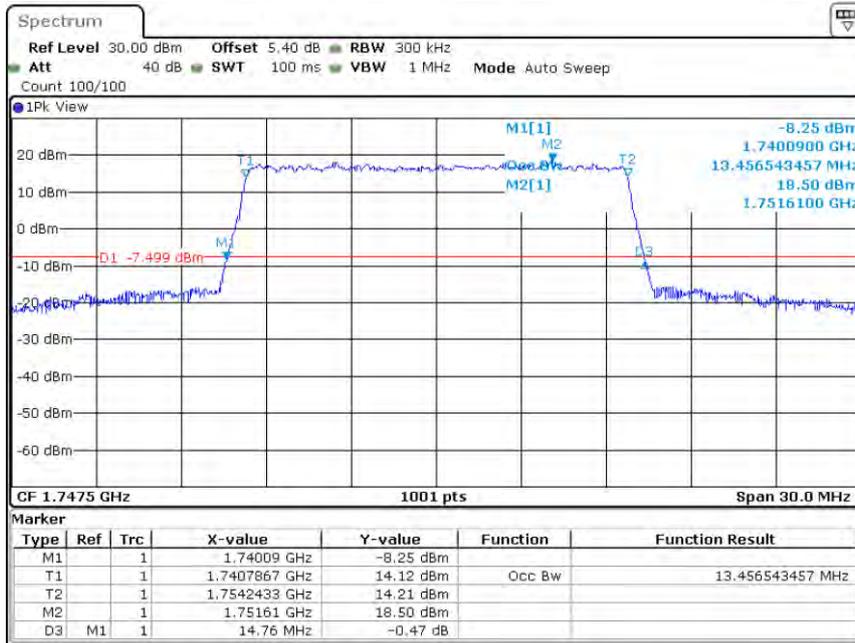


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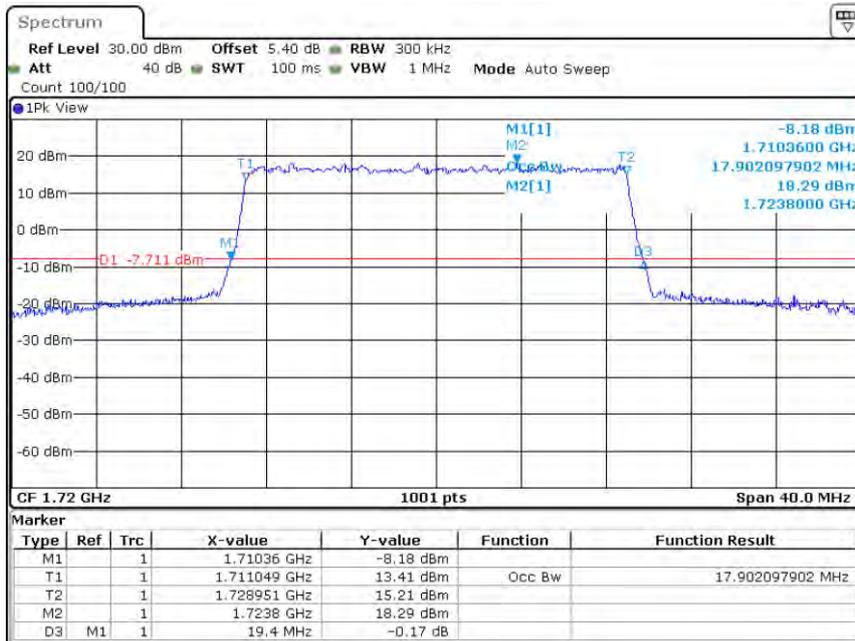
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Band4-15MHz-16QAM-20325-75RB#0-13.457



Date: 1.MAY 2021 00:13:08

Band4-20MHz-QPSK-20050-100RB#0-17.902



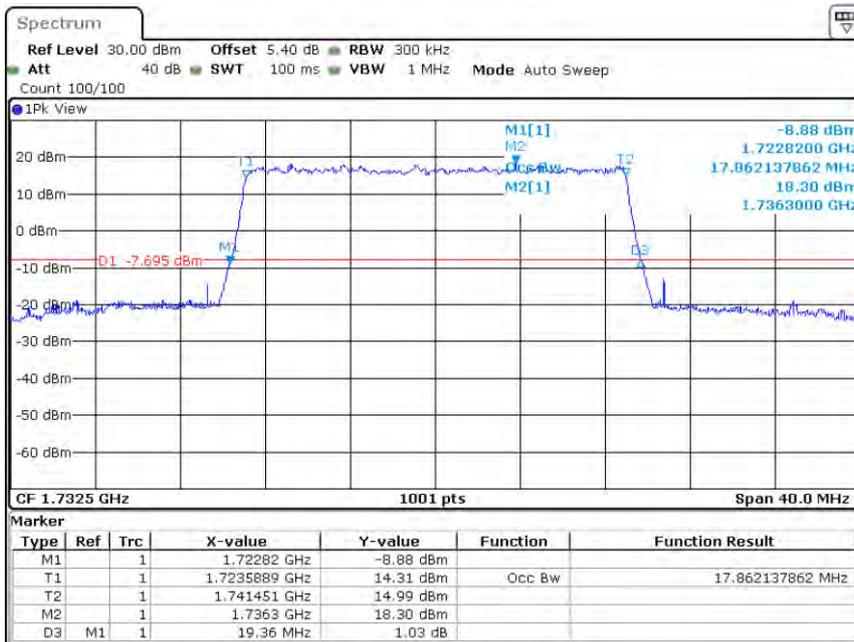
Date: 1.MAY 2021 00:13:32



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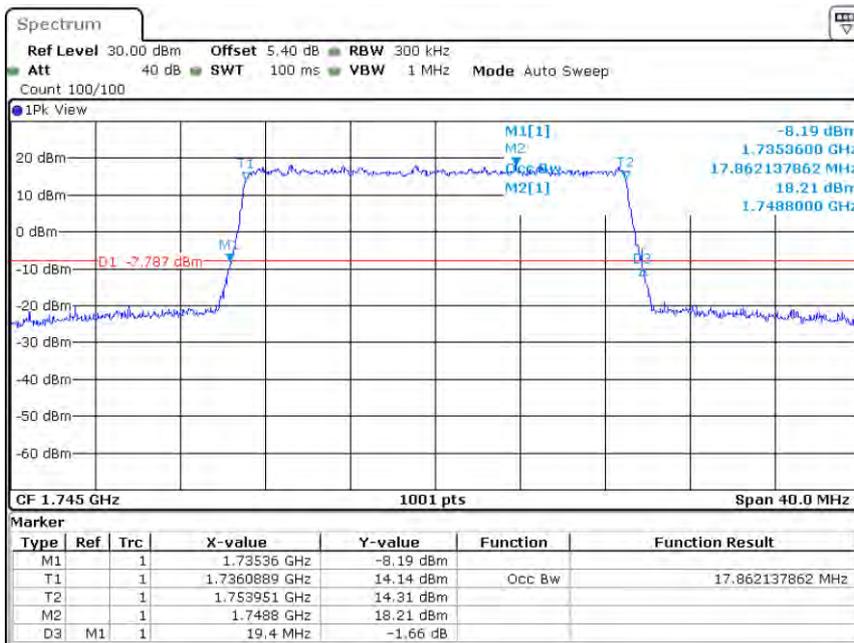


Band4-20MHz-QPSK-20175-100RB#0-17.862



Date: 1.MAY 2021 00:14:12

Band4-20MHz-QPSK-20300-100RB#0-17.862



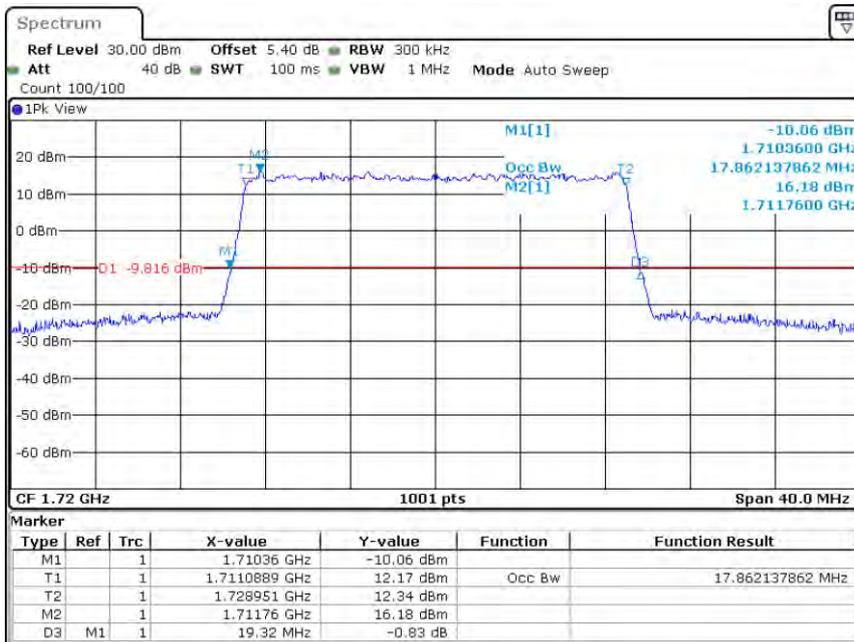
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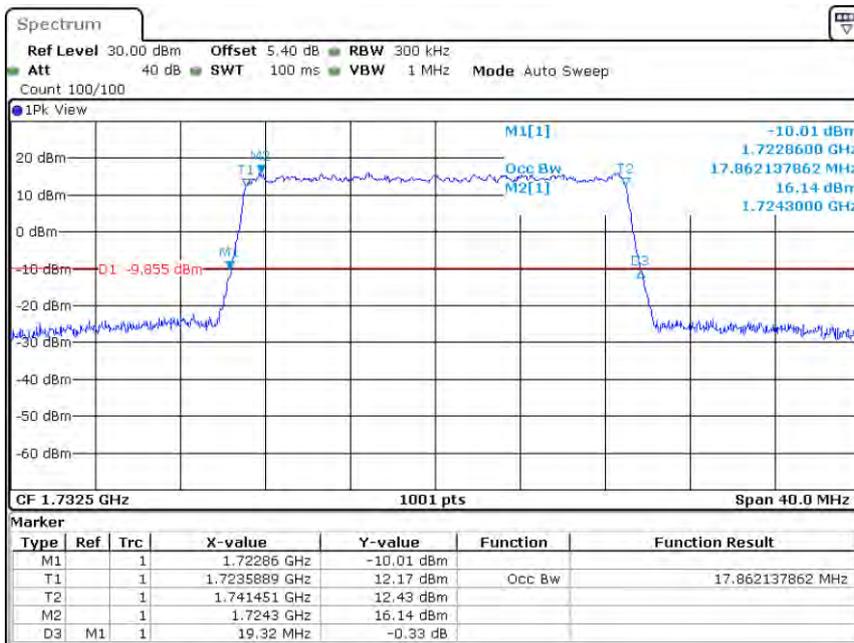


Band4-20MHz-64QAM-20050-100RB#0-17.862



Date: 1.MAY 2021 09:21:58

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

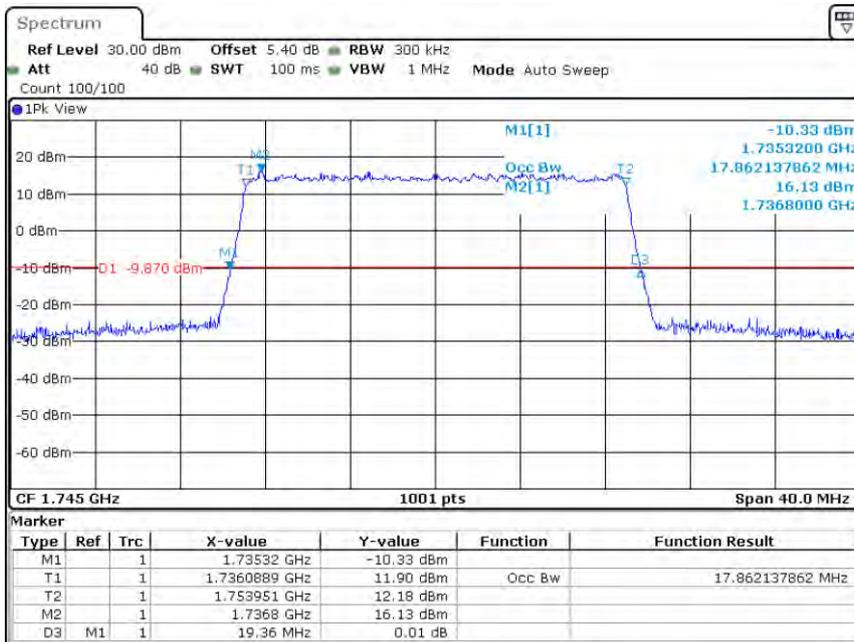


Date: 1.MAY 2021 09:22:18



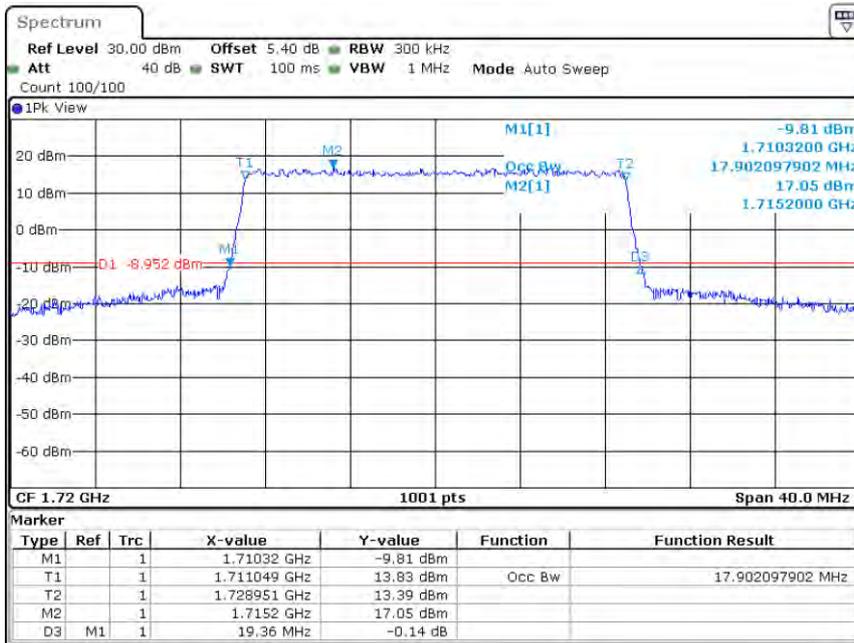
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Band4-20MHz-64QAM-20300-100RB#0-17.862



Date: 1.MAY 2021 09:22:38

Band4-20MHz-16QAM-20050-100RB#0-17.902



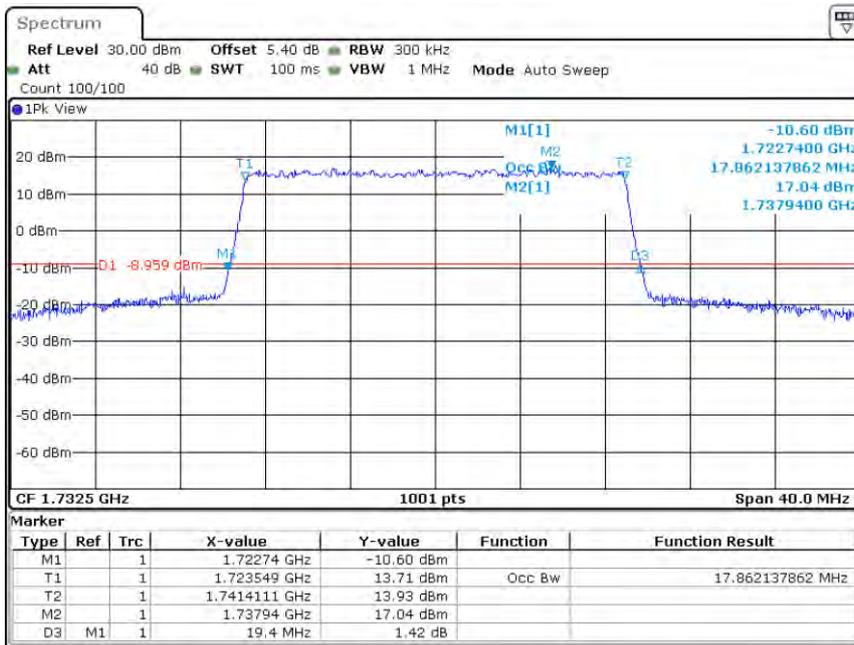
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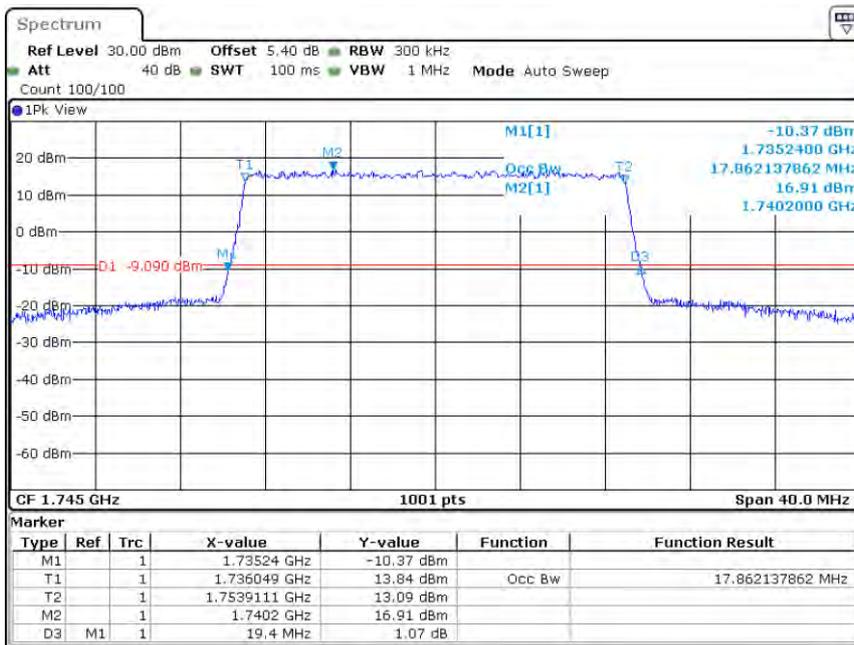


Band4-20MHz-16QAM-20175-100RB#0-17.862



Date: 1.MAY 2021 00:14:32

Band4-20MHz-16QAM-20300-100RB#0-17.862



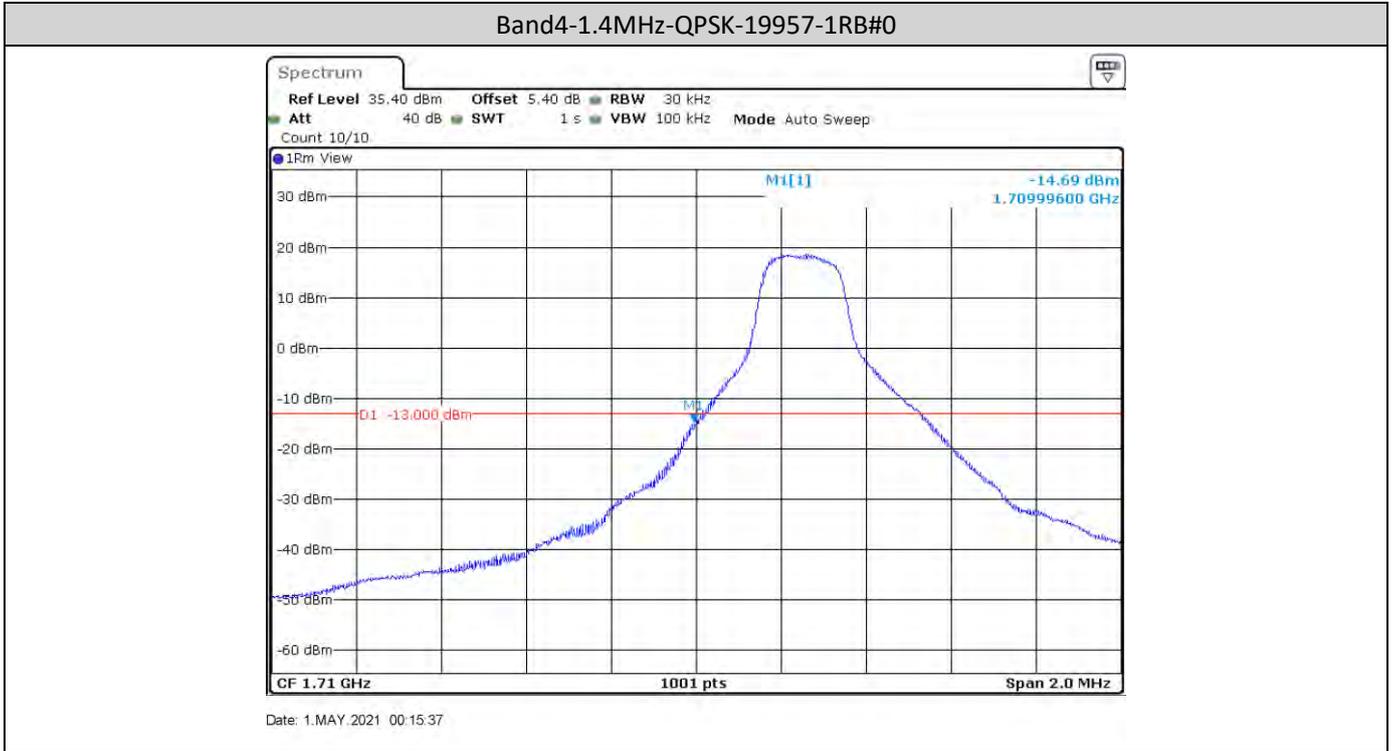
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5. Band Edge Compliance

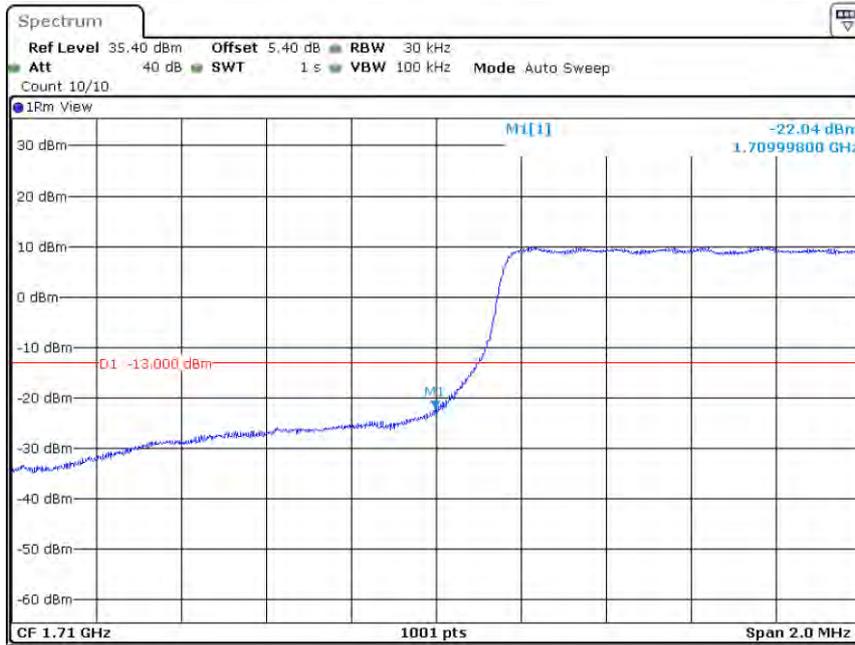
5.1. Test Plots



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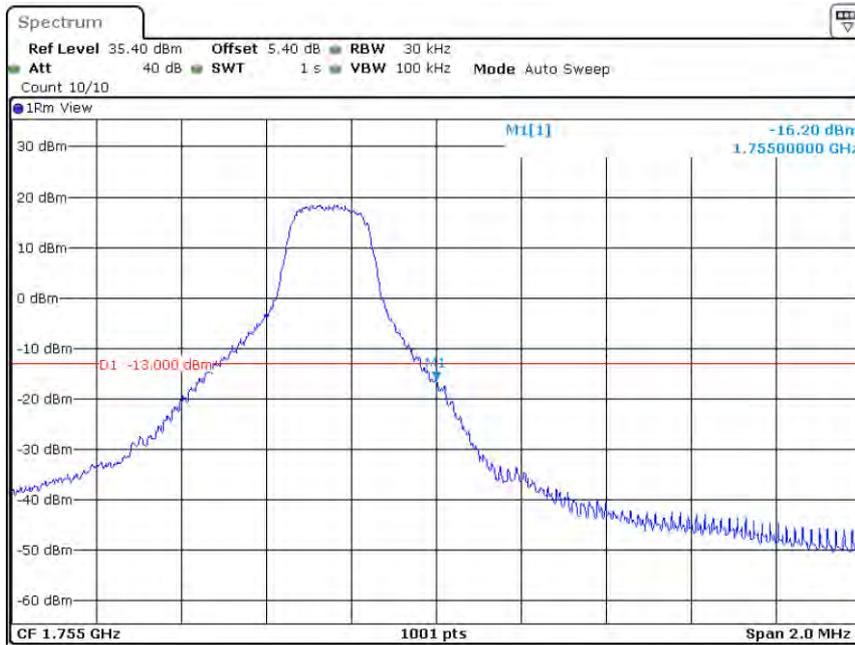
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Band4-1.4MHz-QPSK-19957-6RB#0



Date: 1.MAY 2021 00:16:18

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

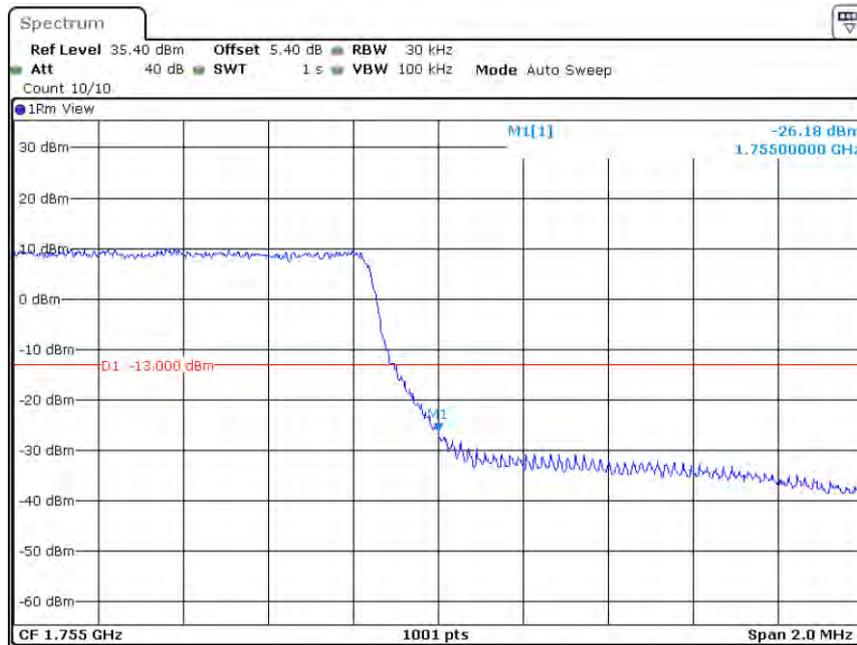


Date: 1.MAY 2021 00:17:03



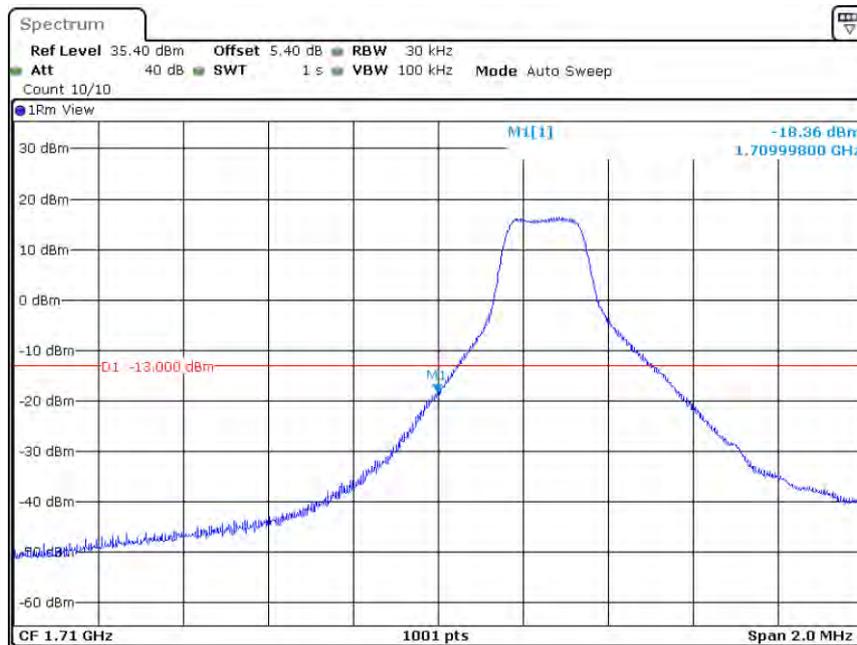
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Band4-1.4MHz-QPSK-20393-6RB#0



Date: 1.MAY 2021 00:17:44

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

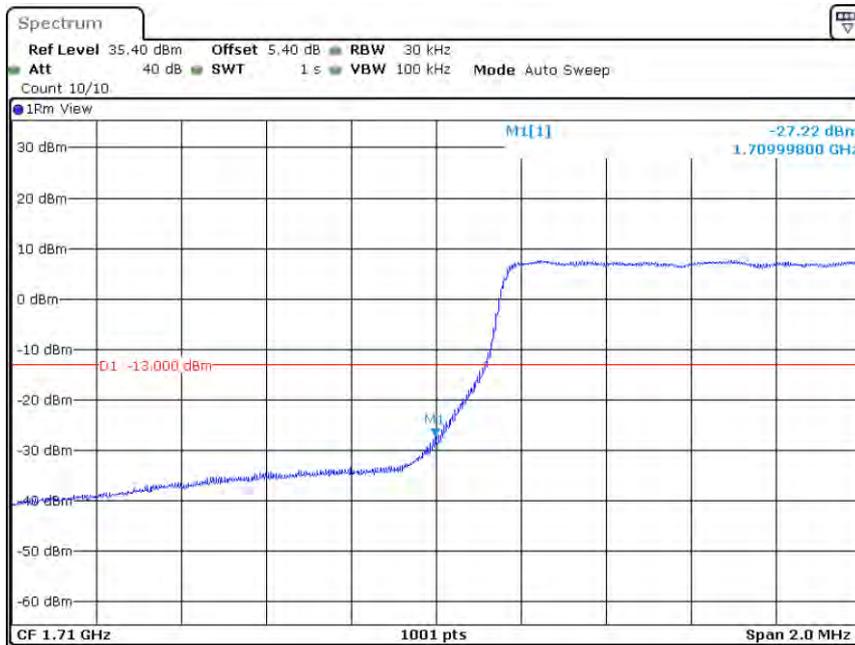


Date: 1.MAY 2021 09:23:04



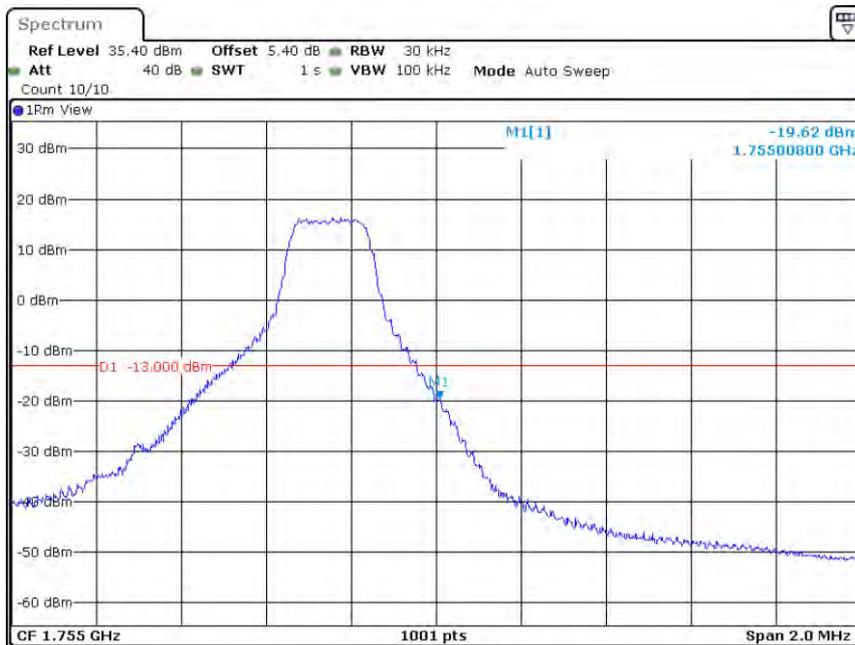
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Band4-1.4MHz-64QAM-19957-6RB#0



Date: 1.MAY 2021 09:23:24

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

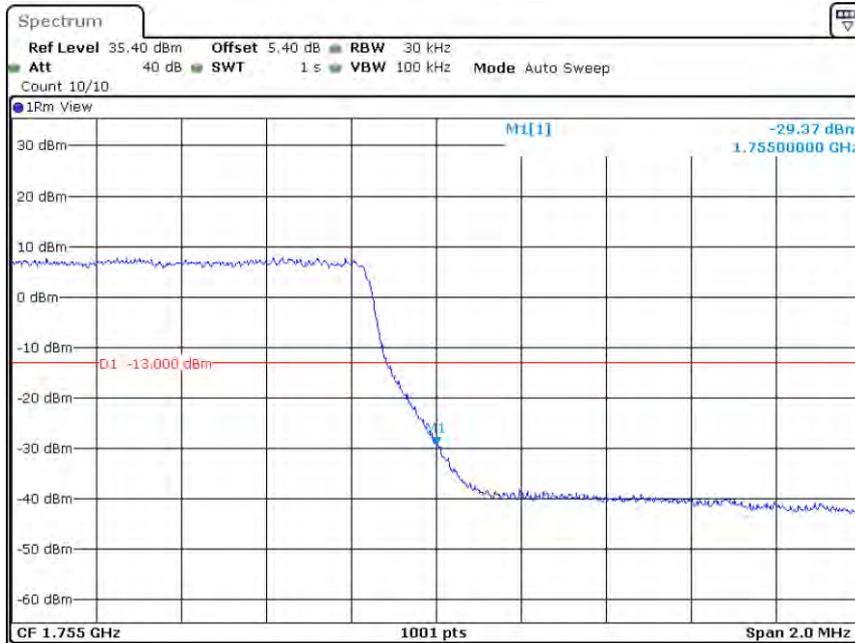


Date: 1.MAY 2021 09:23:49



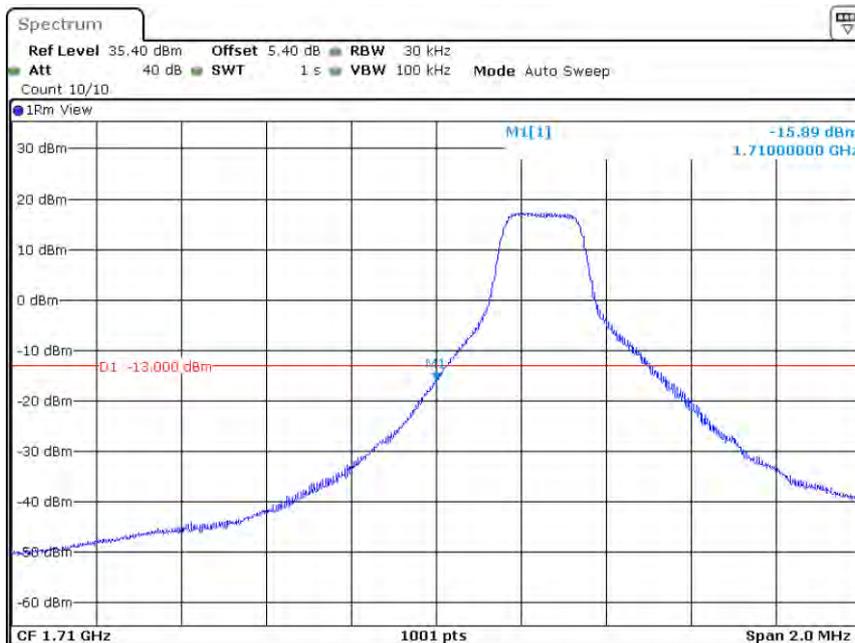
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Band4-1.4MHz-64QAM-20393-6RB#0



Date: 1.MAY 2021 09:24:10

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



Date: 1.MAY 2021 00:15:57



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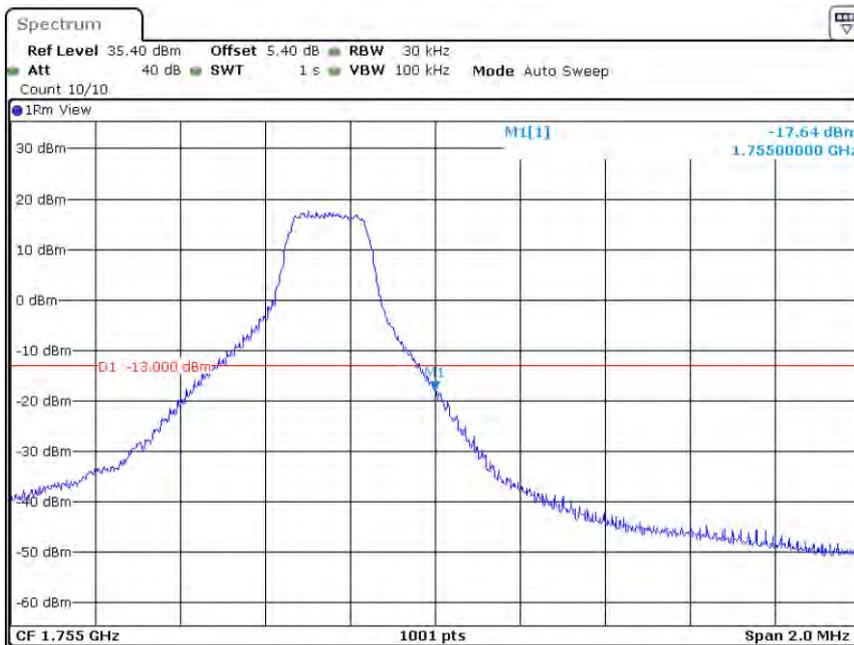


Band4-1.4MHz-16QAM-19957-6RB#0



Date: 1.MAY 2021 00:16:38

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

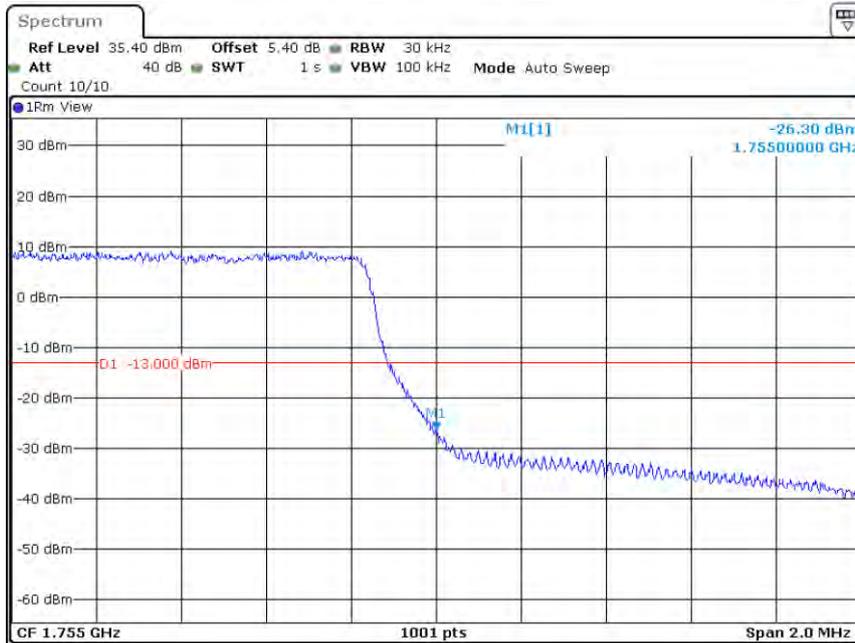


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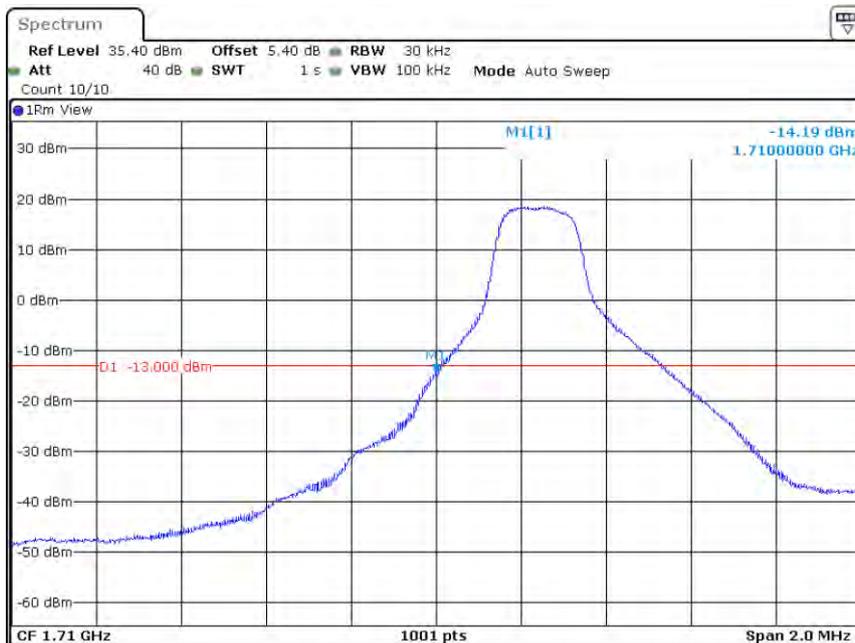
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Band4-1.4MHz-16QAM-20393-6RB#0



Date: 1.MAY 2021 00:18:04

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



Date: 1.MAY 2021 00:18:30



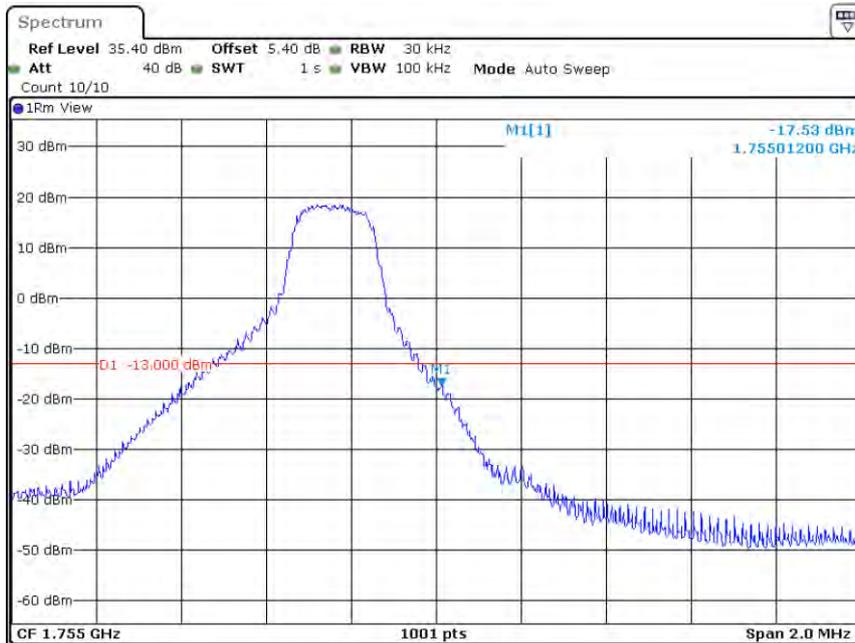
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Band4-3MHz-QPSK-19965-15RB#0



Date: 1.MAY 2021 00:19:11

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



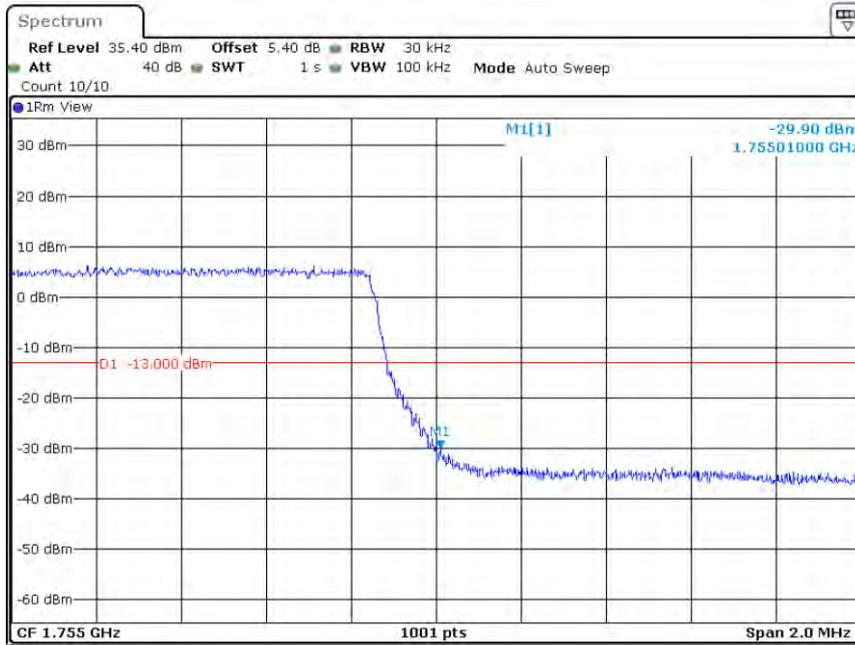
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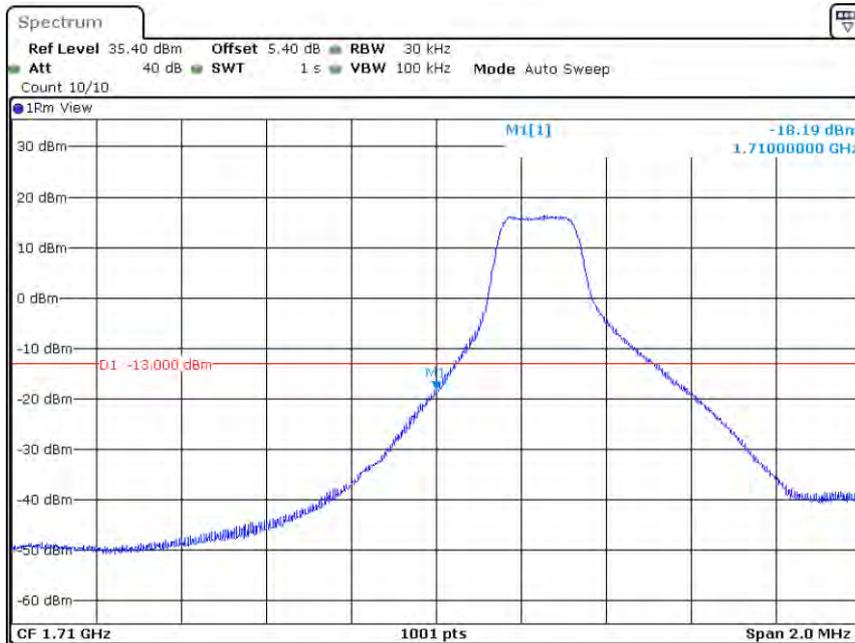
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Band4-3MHz-QPSK-20385-15RB#0



Date: 1.MAY 2021 00:20:37

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



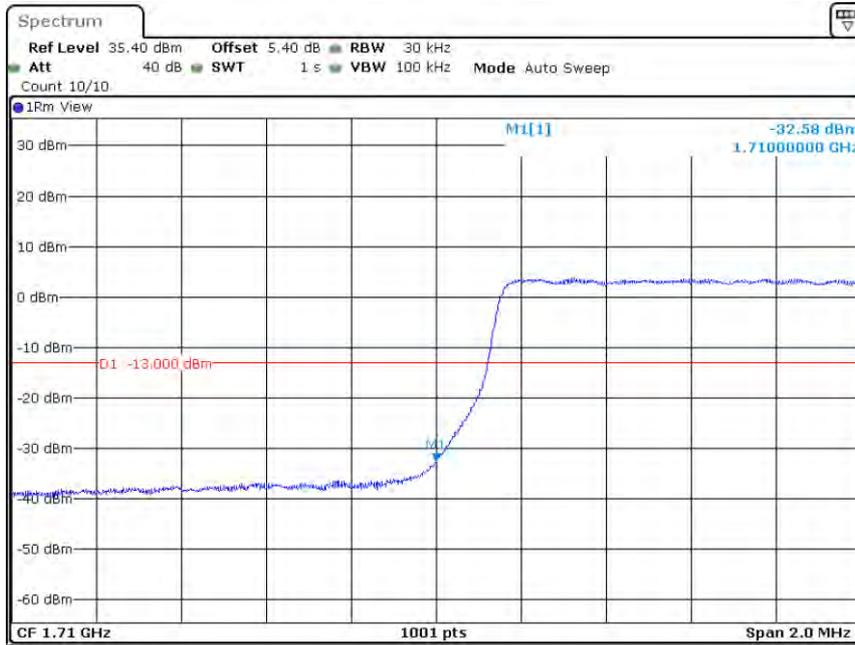
Date: 1.MAY 2021 09:24:35



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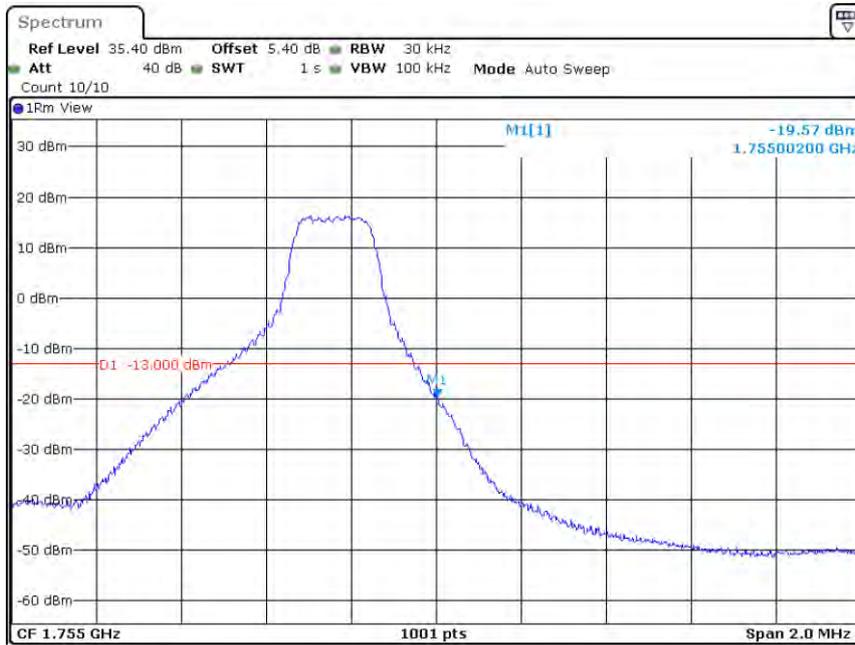


Band4-3MHz-64QAM-19965-15RB#0



Date: 1.MAY 2021 09:24:56

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

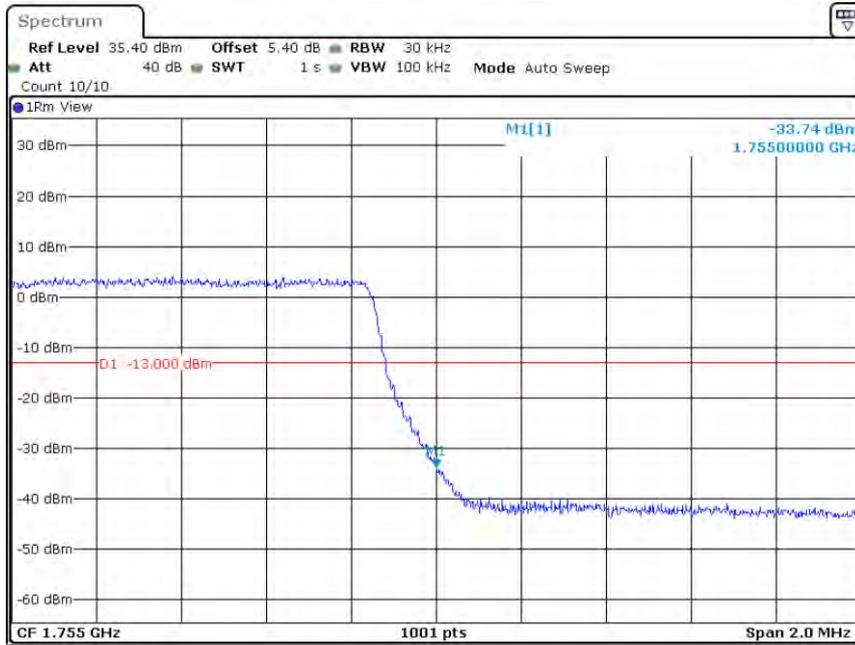


Date: 1.MAY 2021 09:25:21



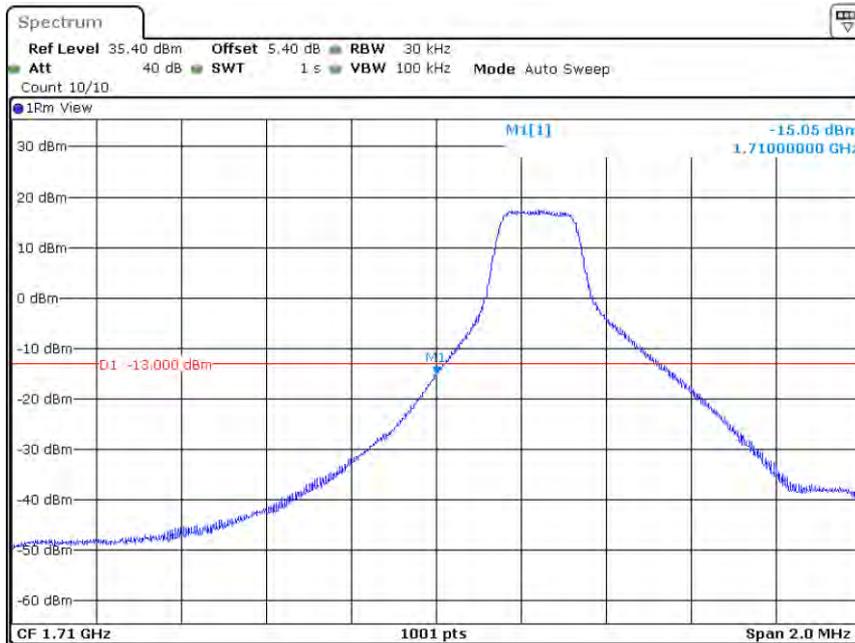
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Band4-3MHz-64QAM-20385-15RB#0



Date: 1.MAY 2021 09:25:41

Band4-3MHz-16QAM-19965-1RB#0

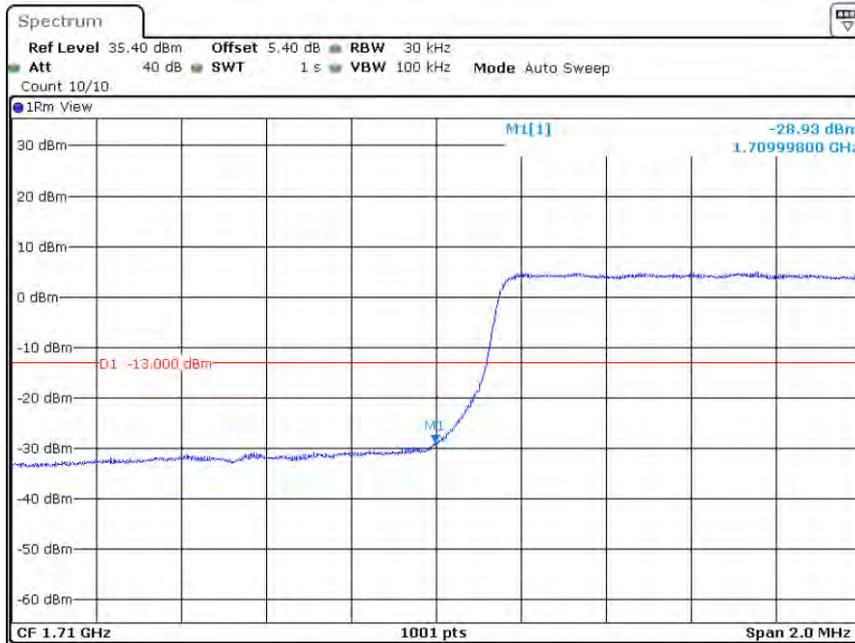


Date: 1.MAY 2021 00:18:50



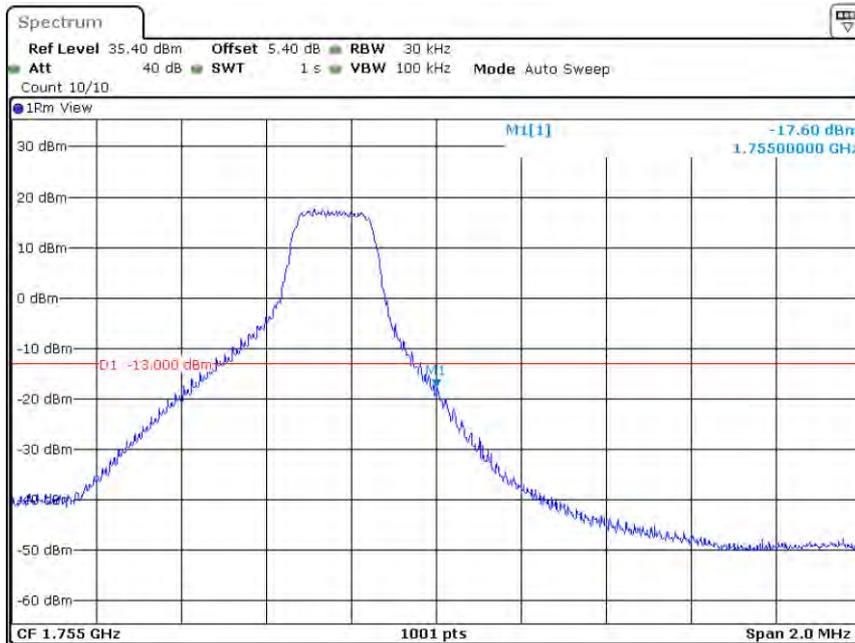
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Band4-3MHz-16QAM-19965-15RB#0



Date: 1.MAY 2021 00:19:31

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

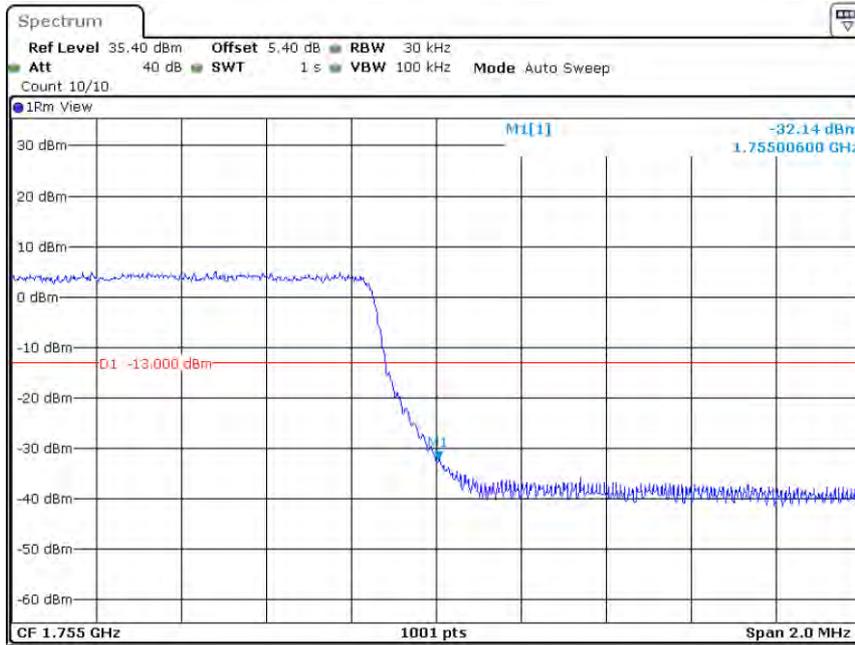


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Band4-3MHz-16QAM-20385-15RB#0



Date: 1.MAY 2021 00:20:57

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



Date: 1.MAY 2021 00:21:22



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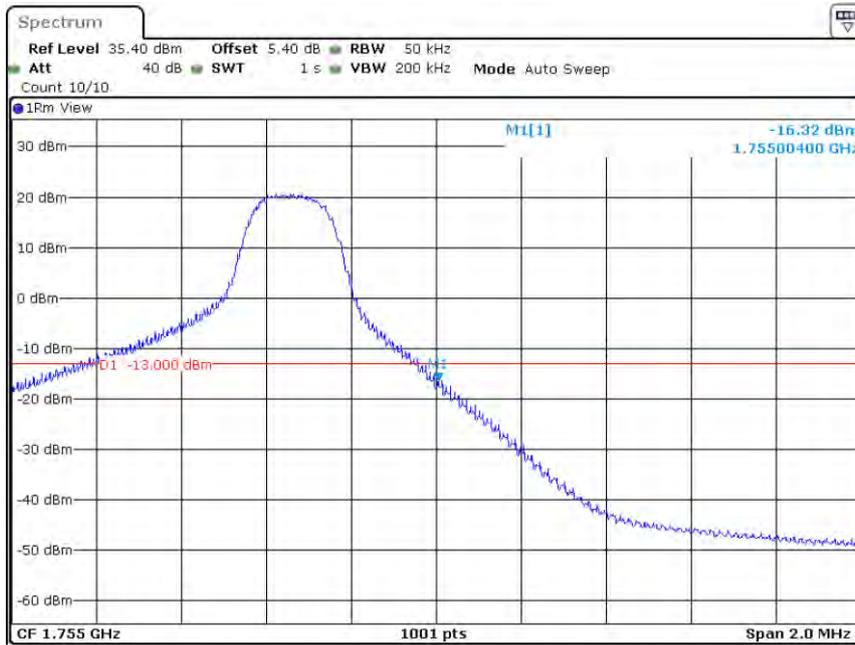


Band4-5MHz-QPSK-19975-25RB#0



Date: 1.MAY 2021 00:22:03

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

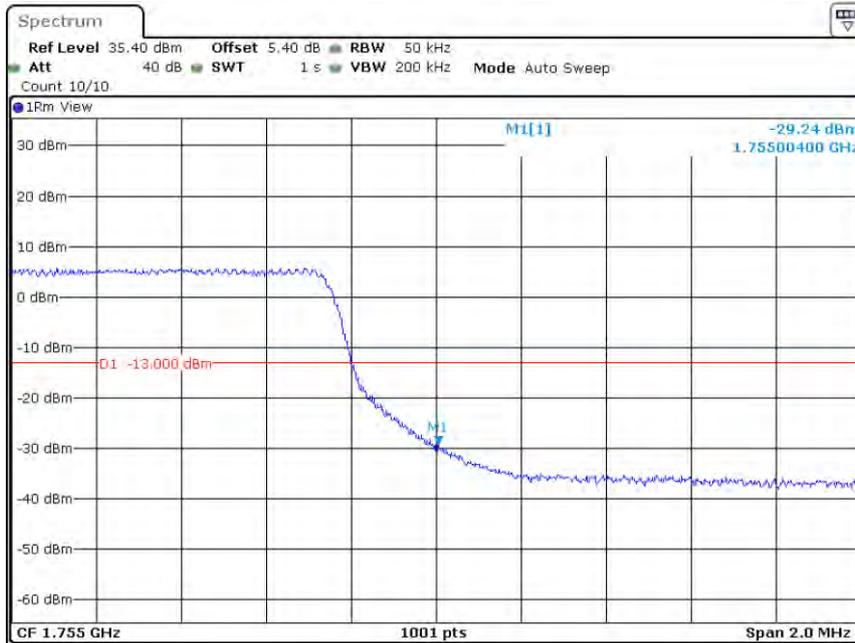


Date: 1.MAY 2021 00:22:49



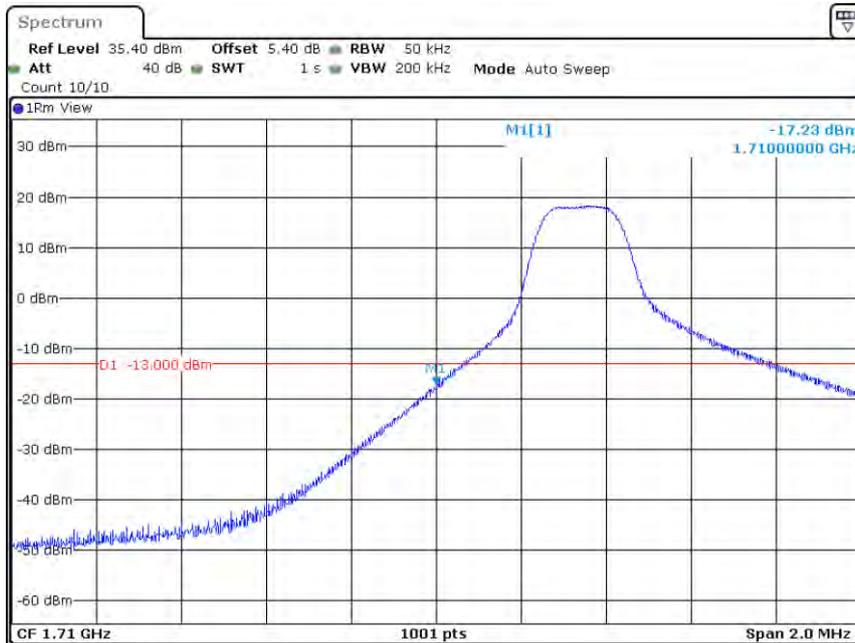
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Band4-5MHz-QPSK-20375-25RB#0



Date: 1.MAY 2021 00:23:30

Band4-5MHz-64QAM-19975-1RB#0

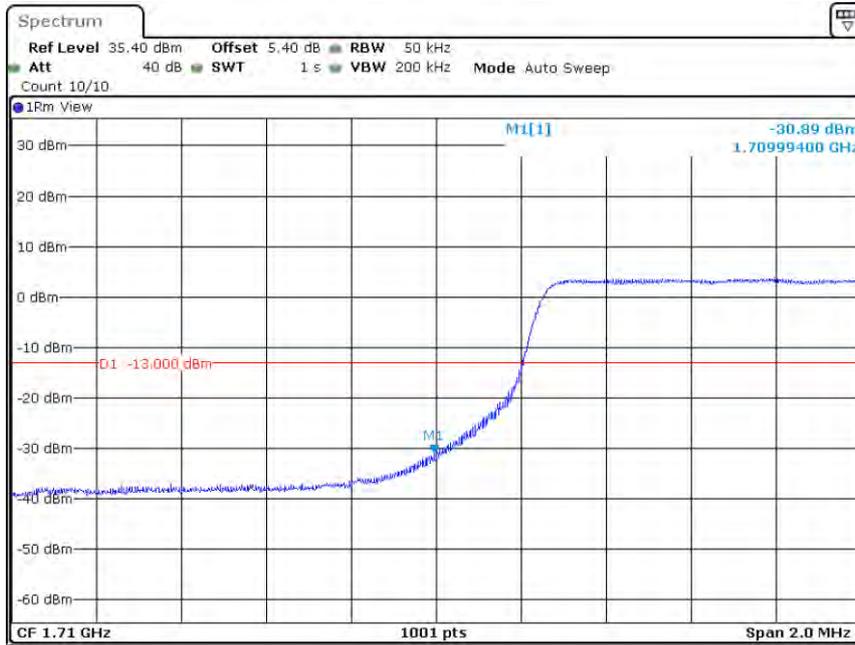


Date: 1.MAY 2021 09:26:07



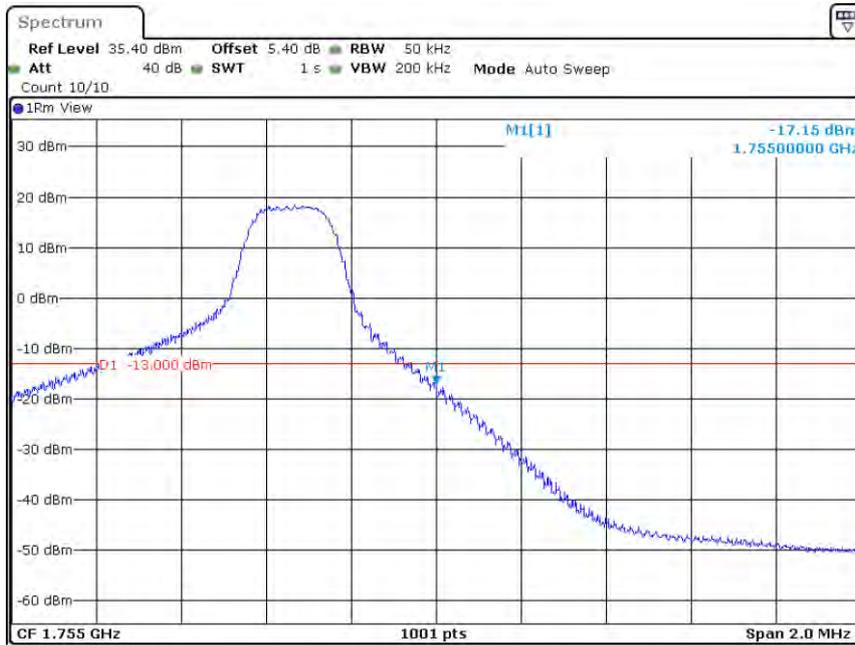
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Band4-5MHz-64QAM-19975-25RB#0



Date: 1.MAY 2021 09:26:27

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



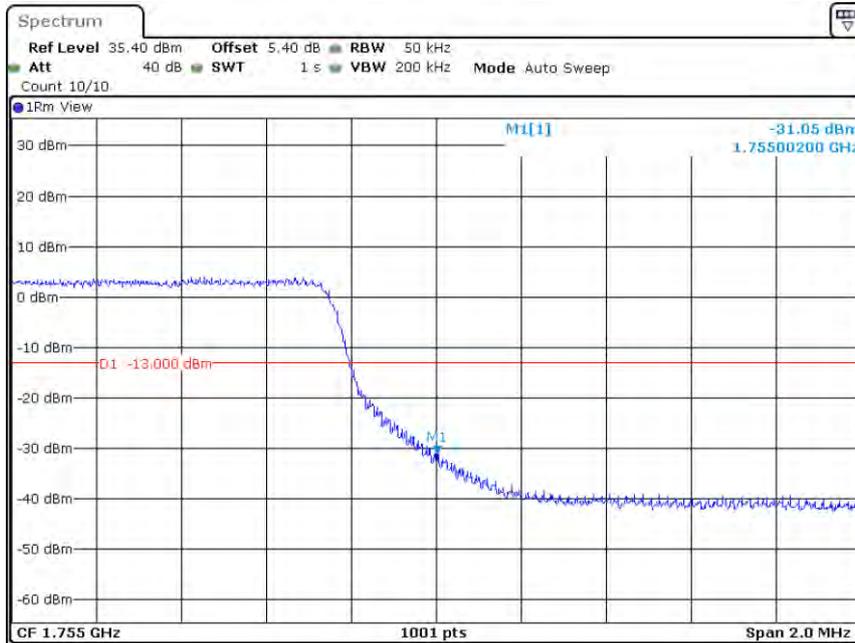
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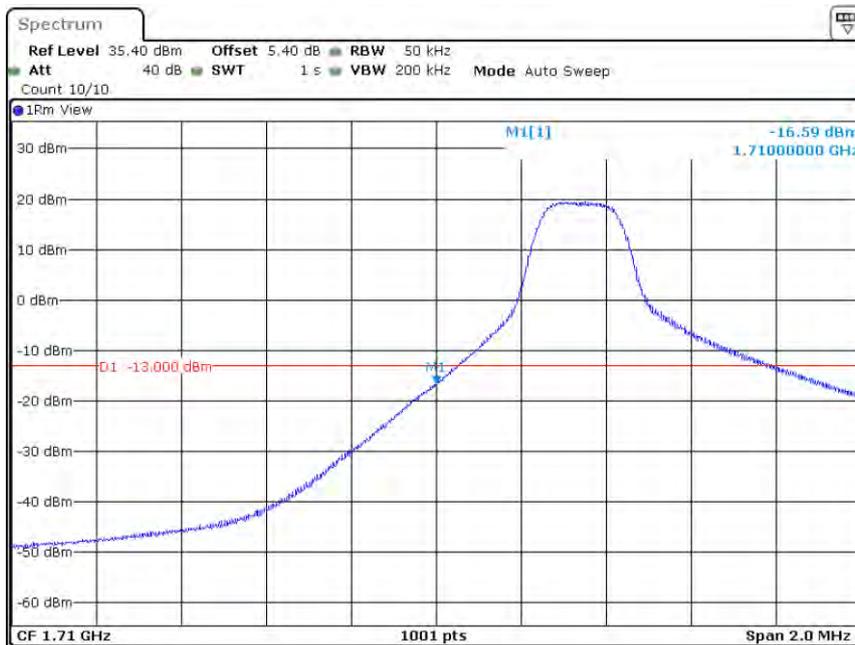
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Band4-5MHz-64QAM-20375-25RB#0



Date: 1.MAY 2021 09:27:13

Band4-5MHz-16QAM-19975-1RB#0



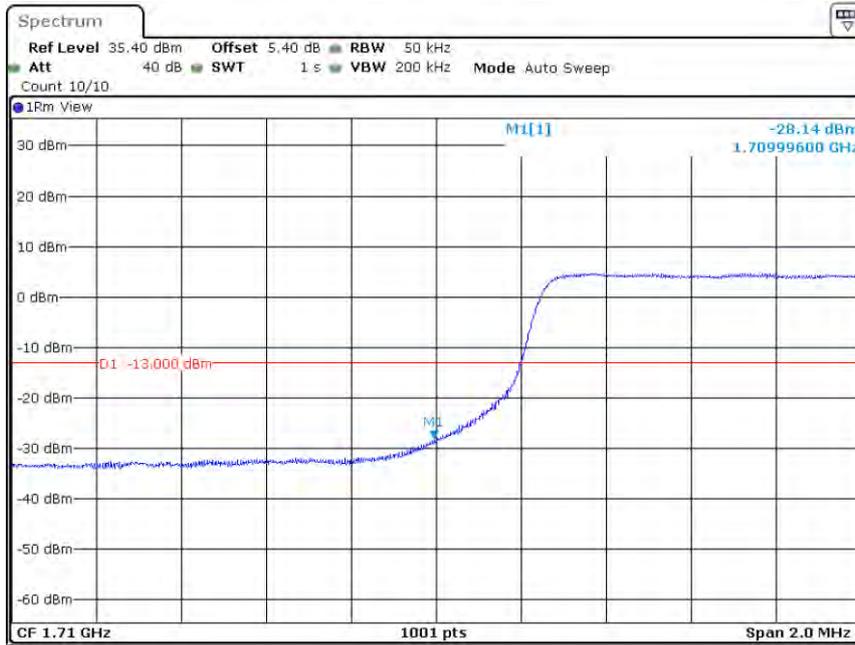
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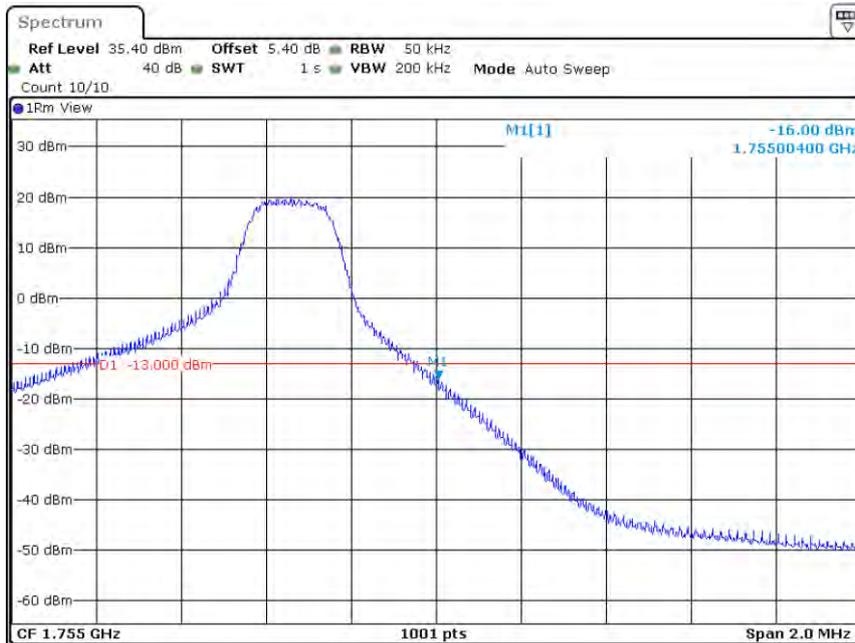
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Band4-5MHz-16QAM-19975-25RB#0



Date: 1.MAY 2021 00:22:24

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



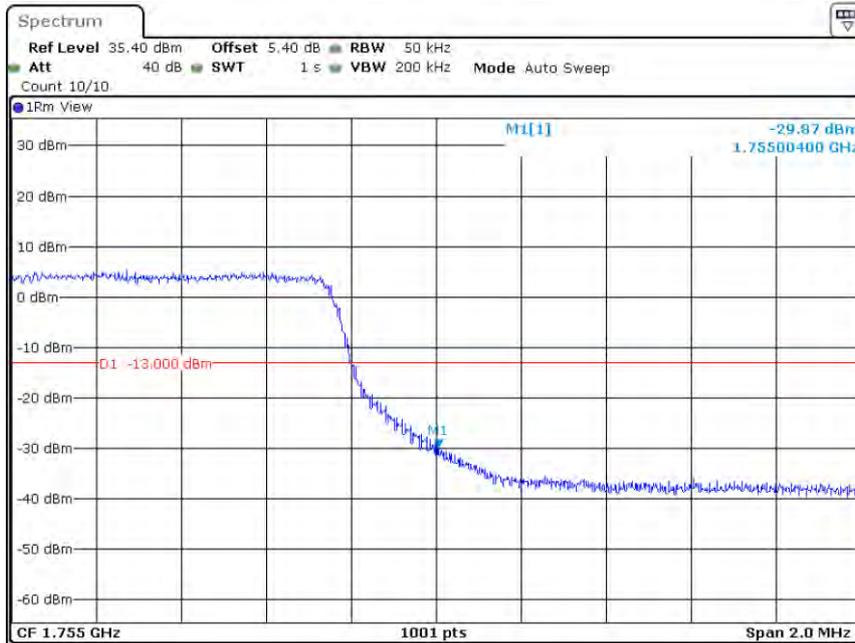
Date: 1.MAY 2021 00:23:09



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Band4-5MHz-16QAM-20375-25RB#0



Date: 1.MAY 2021 00:23:50

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



Date: 1.MAY 2021 00:24:15



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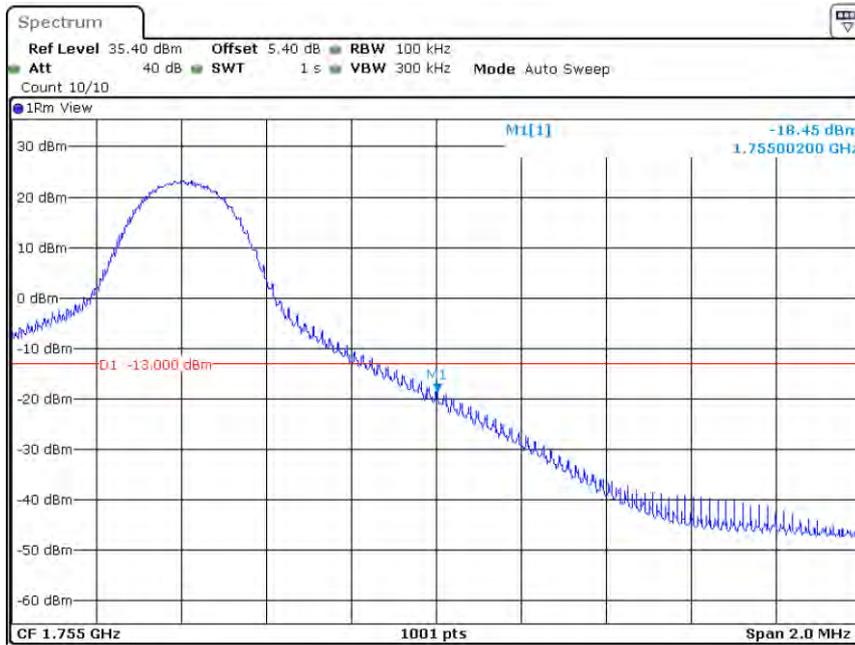
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Band4-10MHz-QPSK-20000-50RB#0



Date: 1.MAY 2021 00:24:57

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

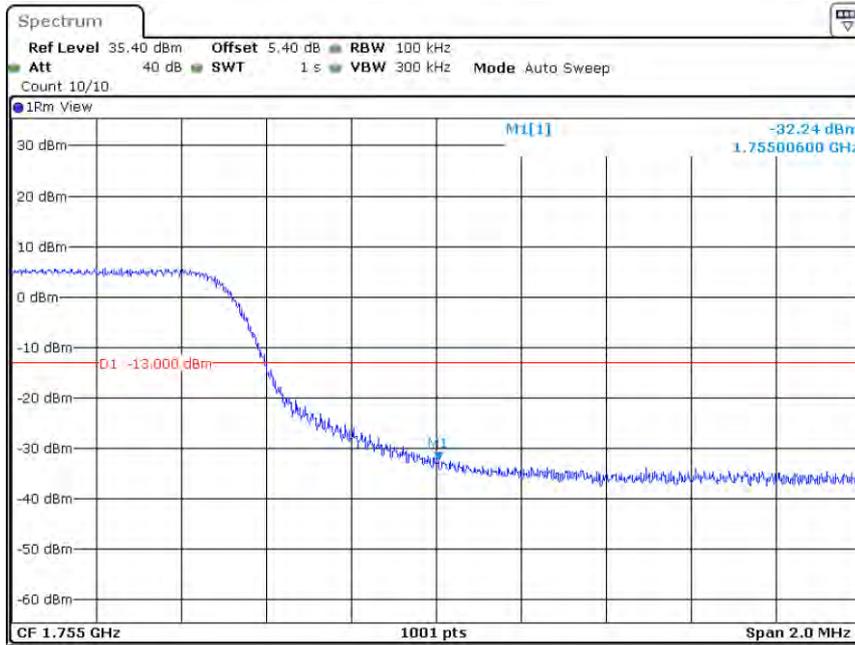


Date: 1.MAY 2021 00:25:47



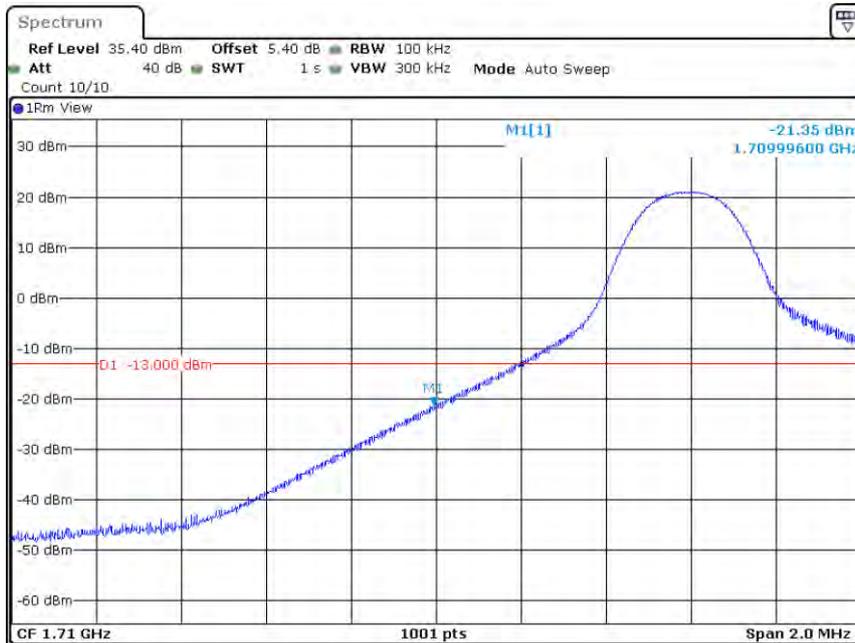
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Band4-10MHz-QPSK-20350-50RB#0



Date: 1.MAY 2021 00:26:28

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

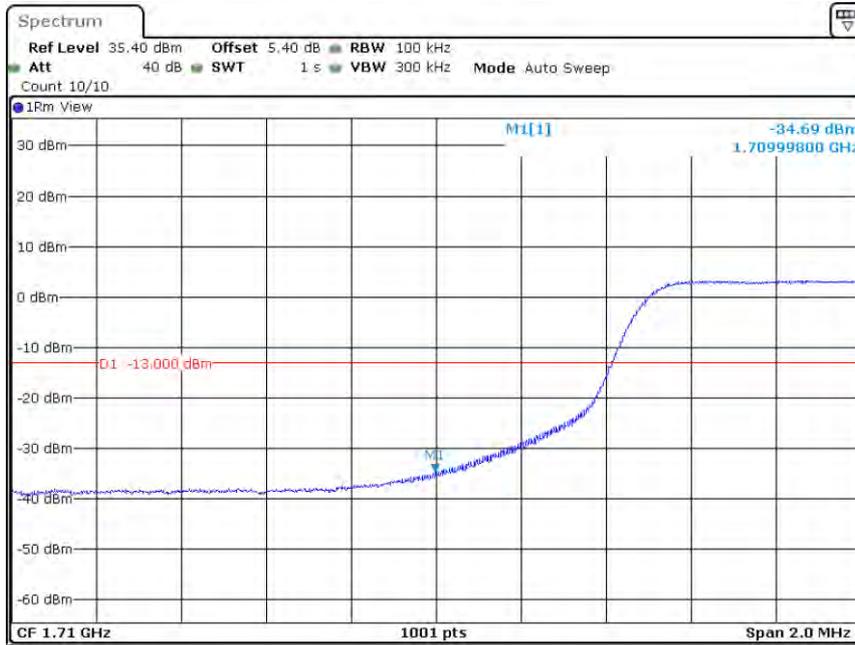


Date: 1.MAY 2021 09:27:38



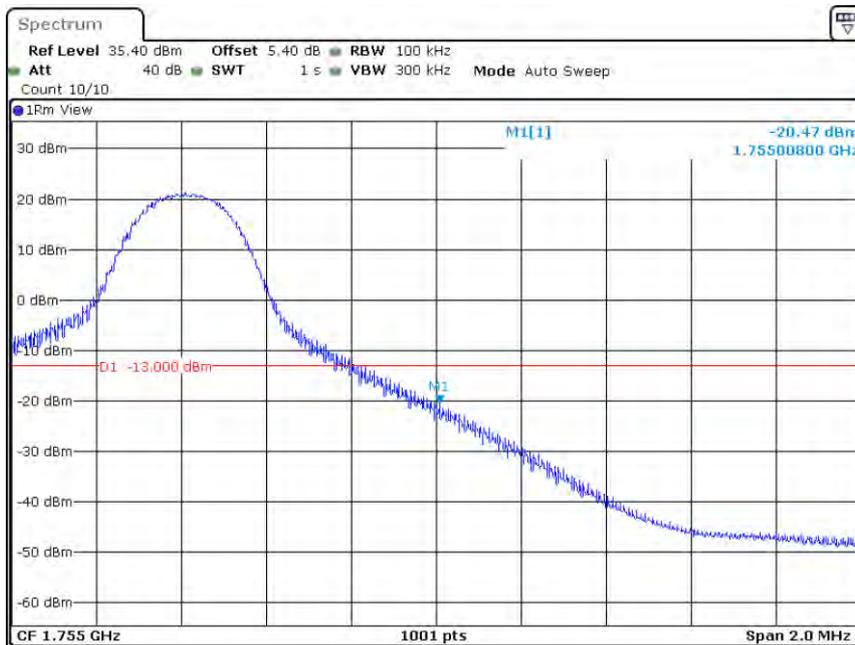
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Band4-10MHz-64QAM-20000-50RB#0



Date: 1.MAY 2021 09:27:59

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



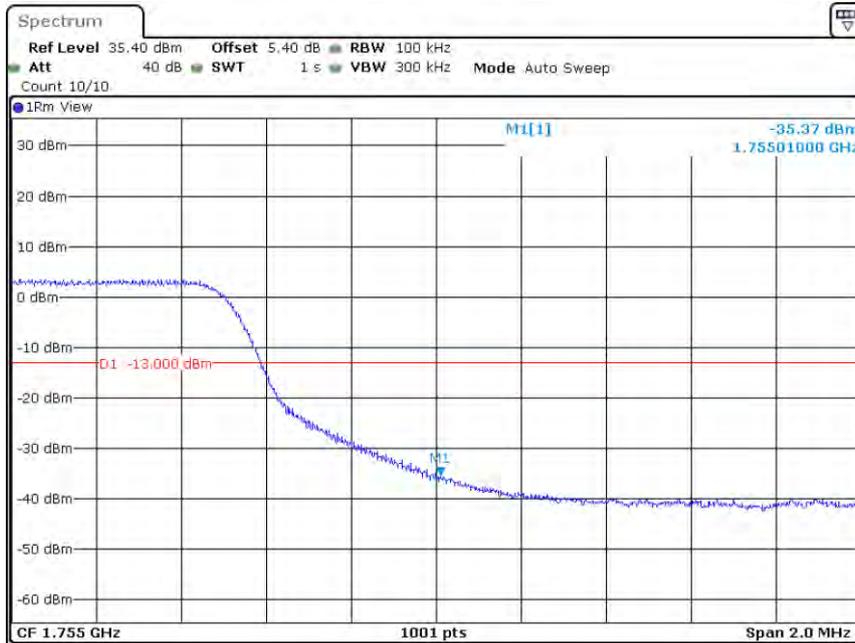
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Band4-10MHz-64QAM-20350-50RB#0



Date: 1.MAY 2021 09:28:44

Band4-10MHz-16QAM-20000-1RB#0



Date: 1.MAY 2021 00:24:36



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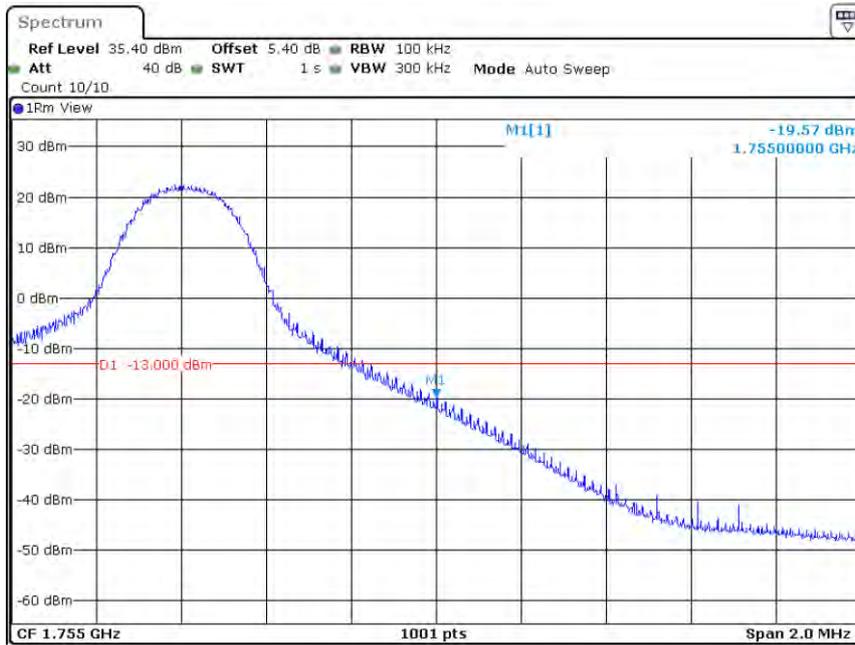
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Band4-10MHz-16QAM-20000-50RB#0



Date: 1.MAY 2021 00:25:17

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



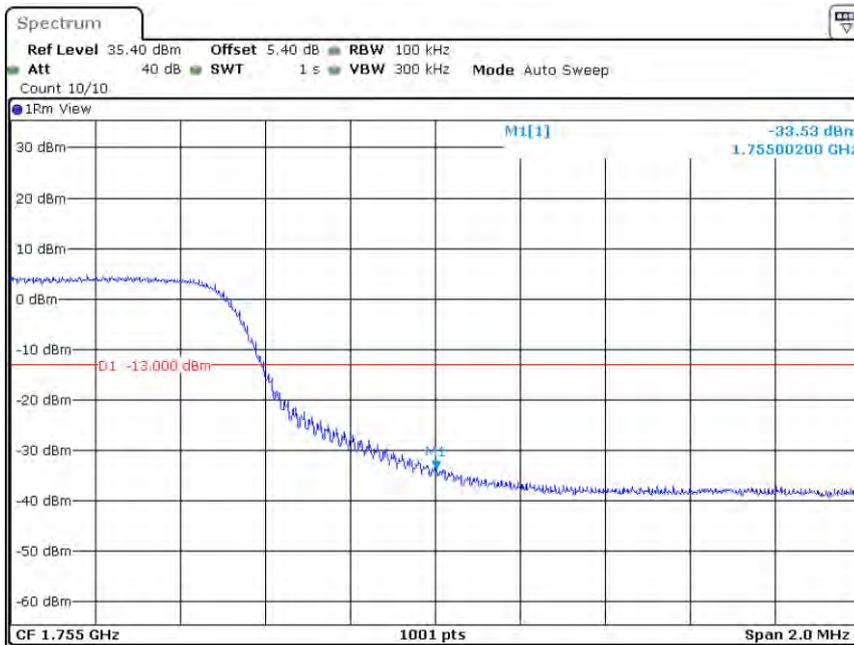
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Band4-10MHz-16QAM-20350-50RB#0



Date: 1.MAY 2021 00:26:48

Band4-15MHz-QPSK-20025-1RB#0



Date: 1.MAY 2021 00:27:14



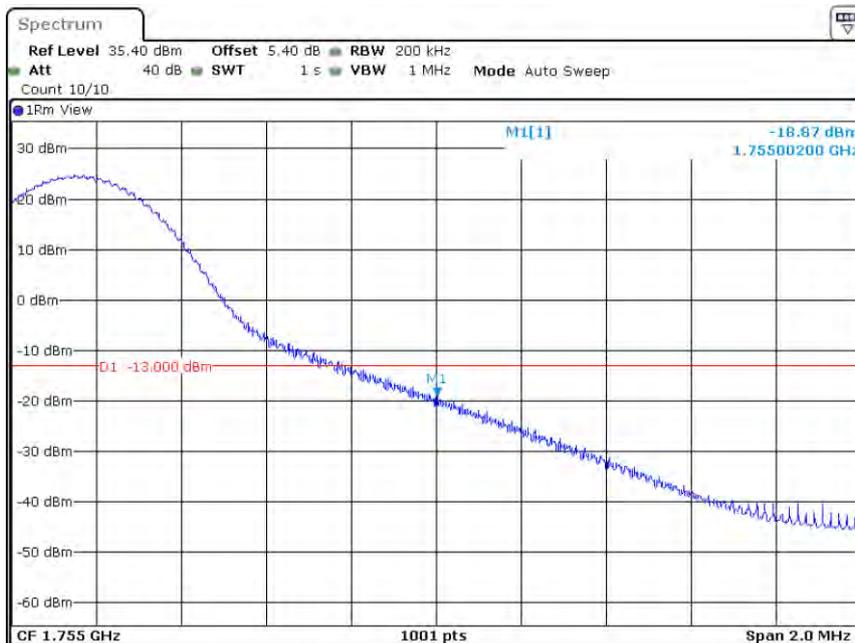
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Band4-15MHz-QPSK-20025-75RB#0



Date: 1.MAY 2021 00:27:55

Band4-15MHz-QPSK-20325-1RB#74

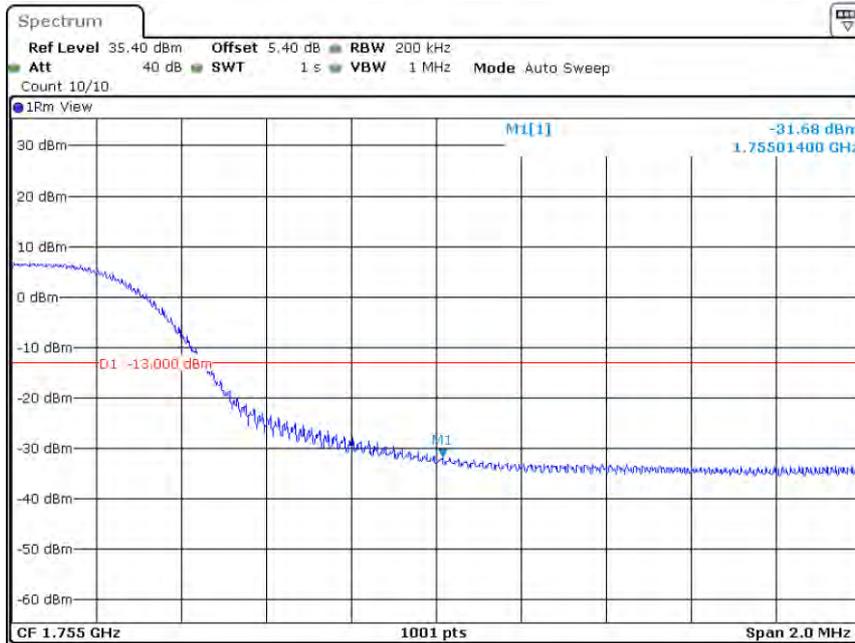


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Band4-15MHz-QPSK-20325-75RB#0



Date: 1.MAY 2021 00:29:21

Band4-15MHz-64QAM-20025-1RB#0



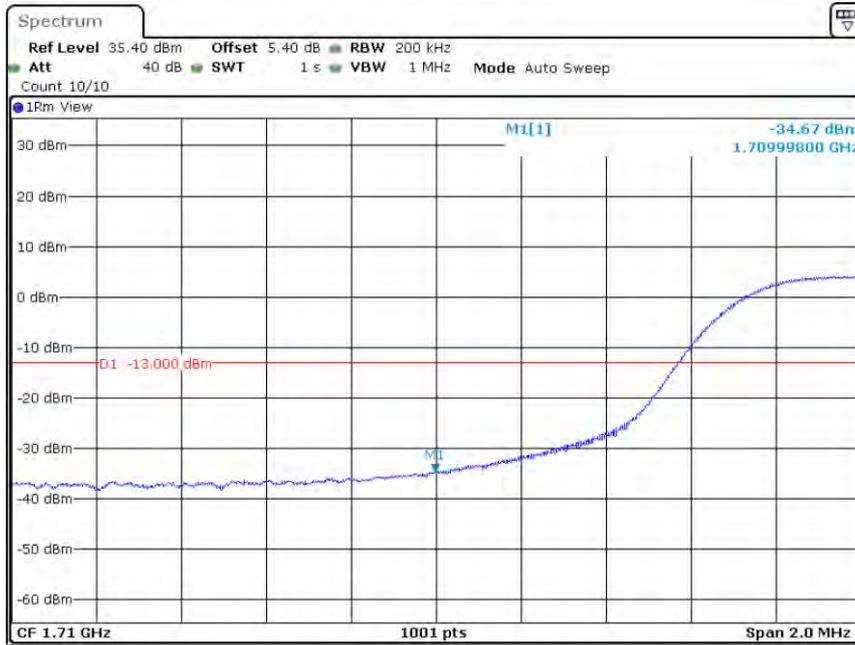
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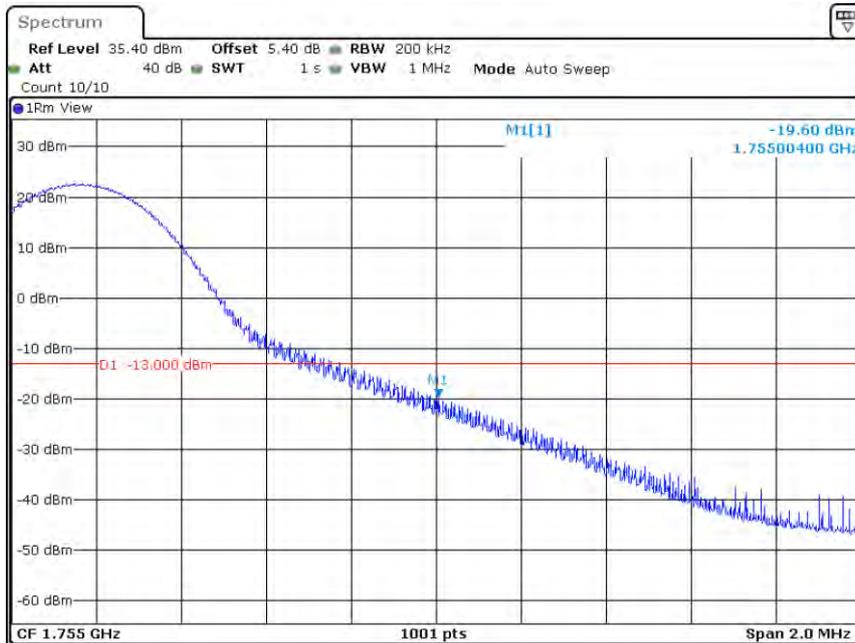


Band4-15MHz-64QAM-20025-75RB#0



Date: 1.MAY 2021 09:29:30

Band4-15MHz-64QAM-20325-1RB#74



Date: 1.MAY 2021 09:29:55

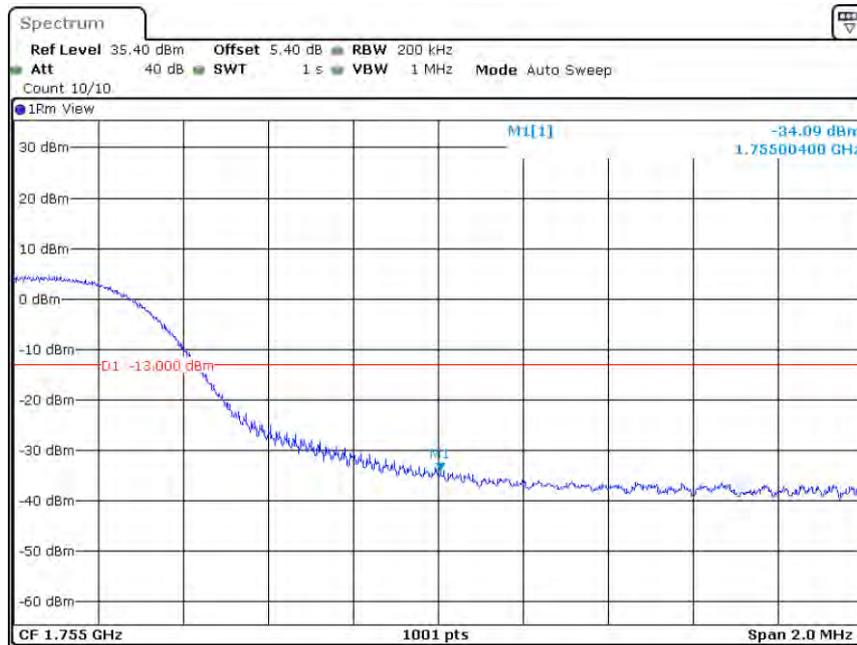


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Band4-15MHz-64QAM-20325-75RB#0



Date: 1.MAY 2021 09:30:16

Band4-15MHz-16QAM-20025-1RB#0

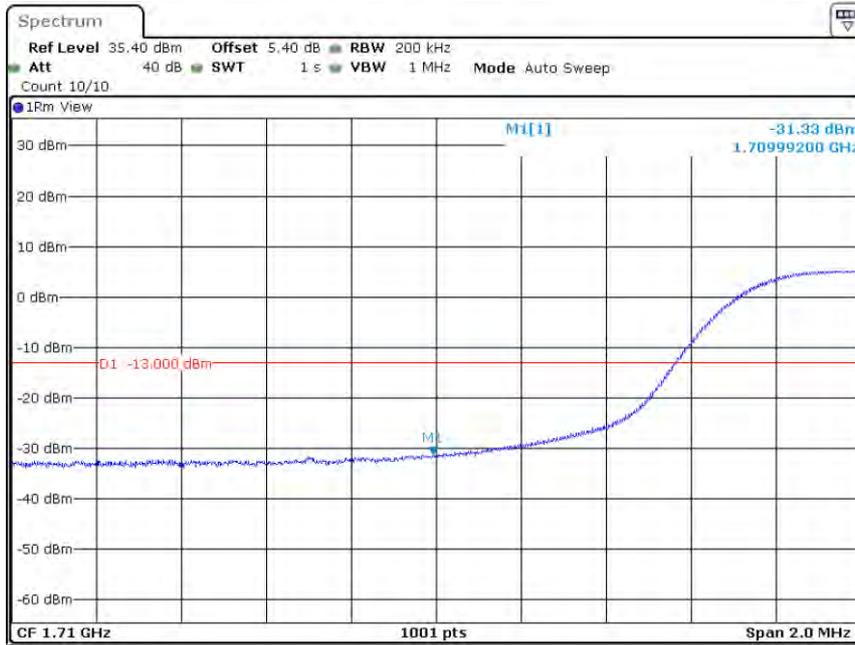


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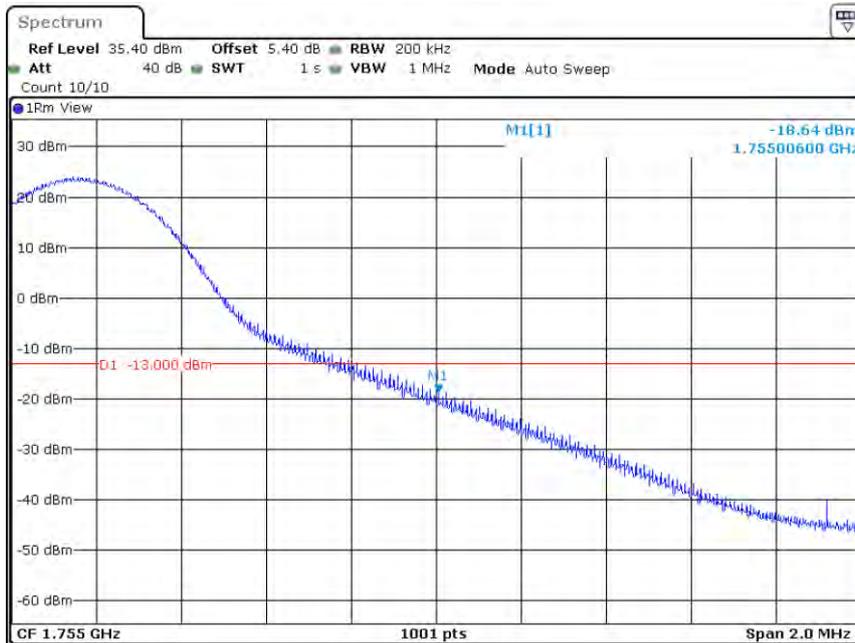
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Band4-15MHz-16QAM-20025-75RB#0



Date: 1.MAY 2021 00:28:15

Band4-15MHz-16QAM-20325-1RB#74

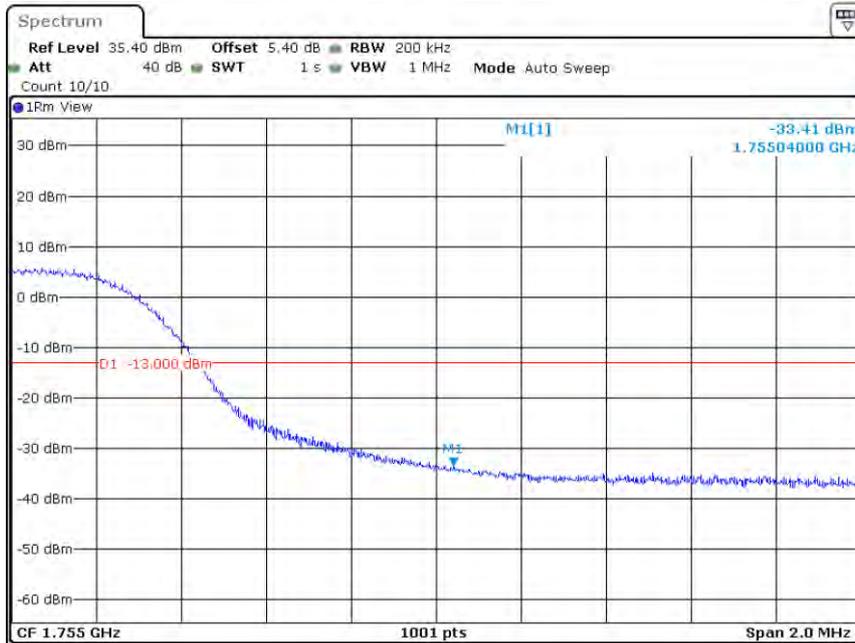


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Band4-15MHz-16QAM-20325-75RB#0



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Band4-20MHz-QPSK-20050-1RB#0



Date: 1.MAY 2021 00:30:07



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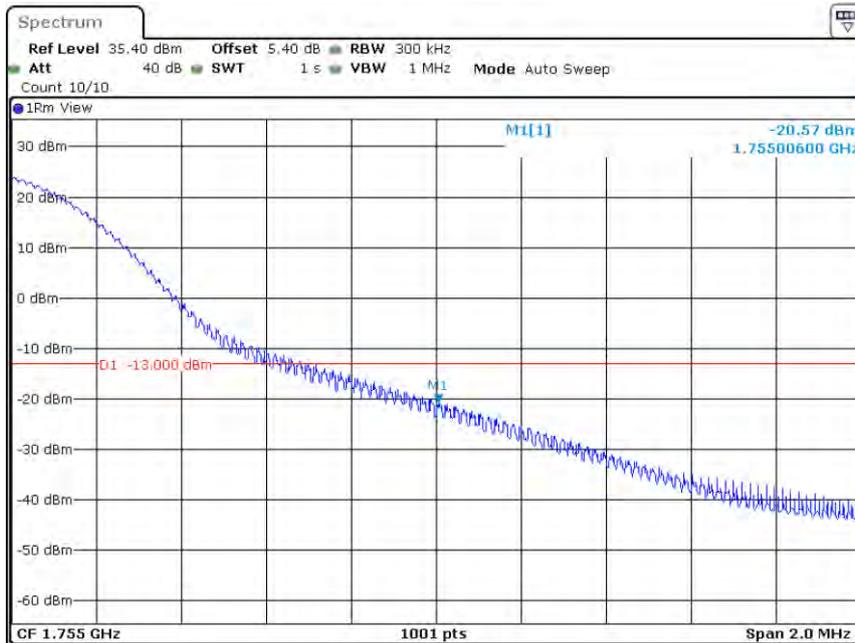


Band4-20MHz-QPSK-20050-100RB#0



Date: 1.MAY 2021 00:30:48

Band4-20MHz-QPSK-20300-1RB#99



Date: 1.MAY 2021 00:31:33

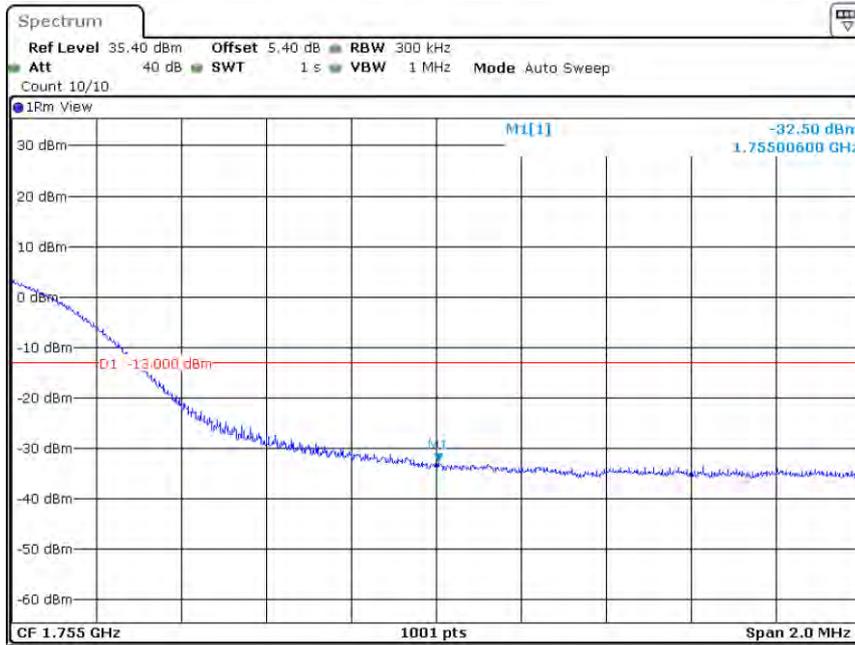


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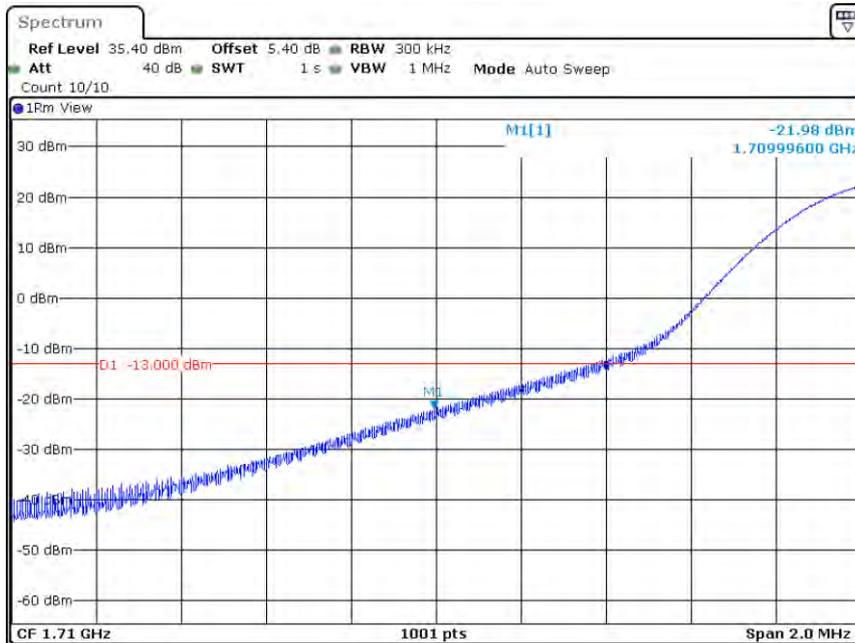
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Band4-20MHz-QPSK-20300-100RB#0



Date: 1.MAY 2021 00:32:14

Band4-20MHz-64QAM-20050-1RB#0



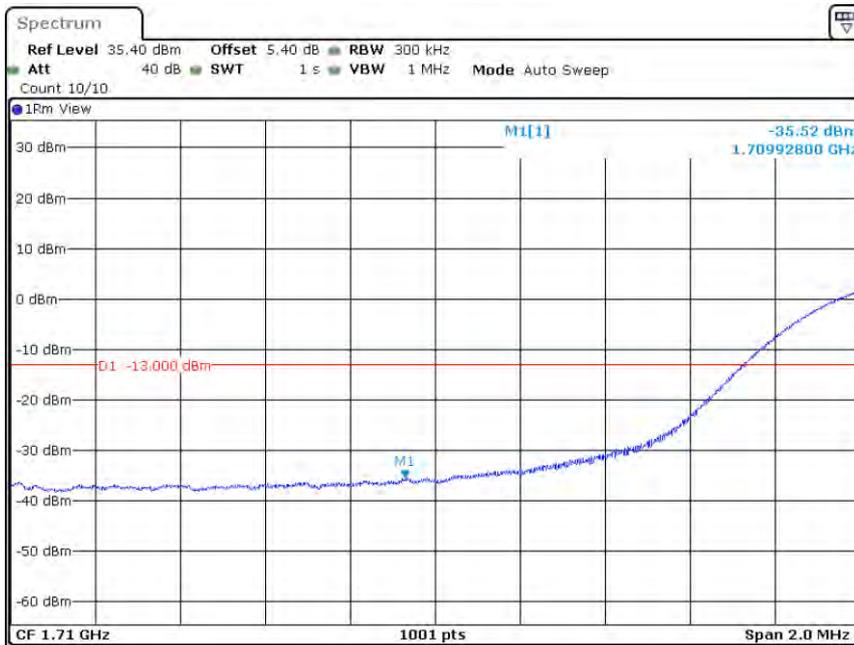
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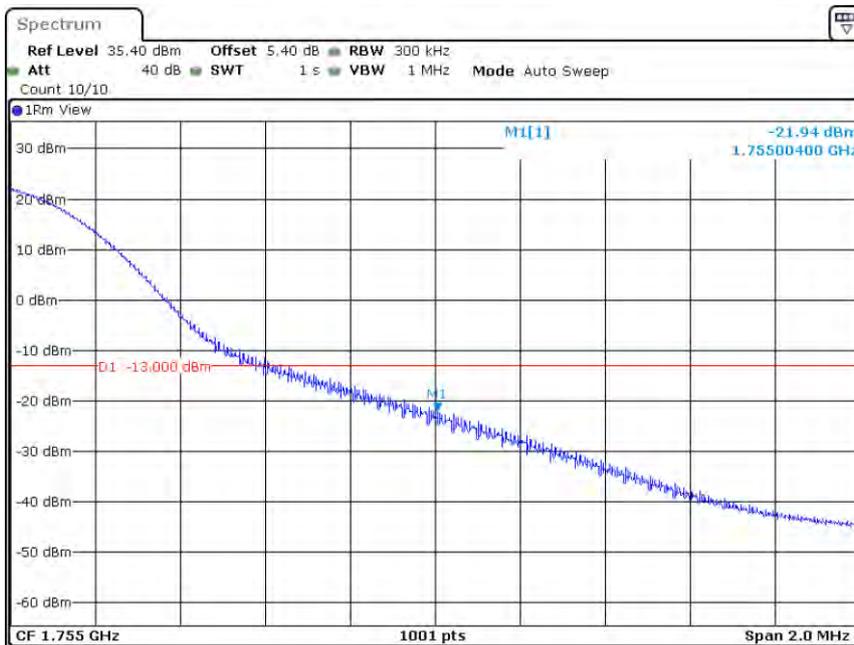


Band4-20MHz-64QAM-20050-100RB#0



Date: 1.MAY 2021 09:31:02

Band4-20MHz-64QAM-20300-1RB#99



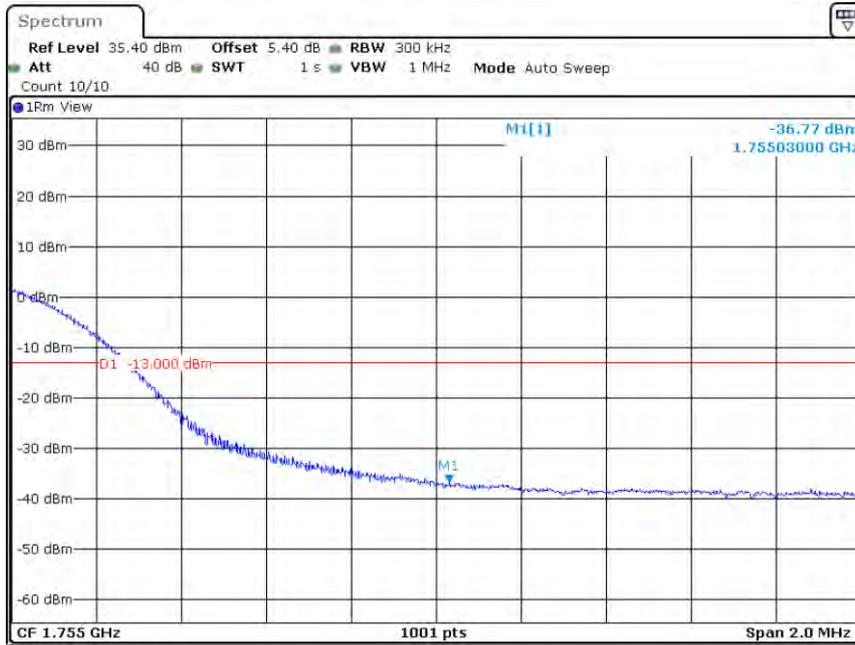
Date: 1.MAY 2021 09:31:27



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



Date: 1.MAY 2021 09:31:47

Band4-20MHz-16QAM-20050-1RB#0



Date: 1.MAY 2021 00:30:27



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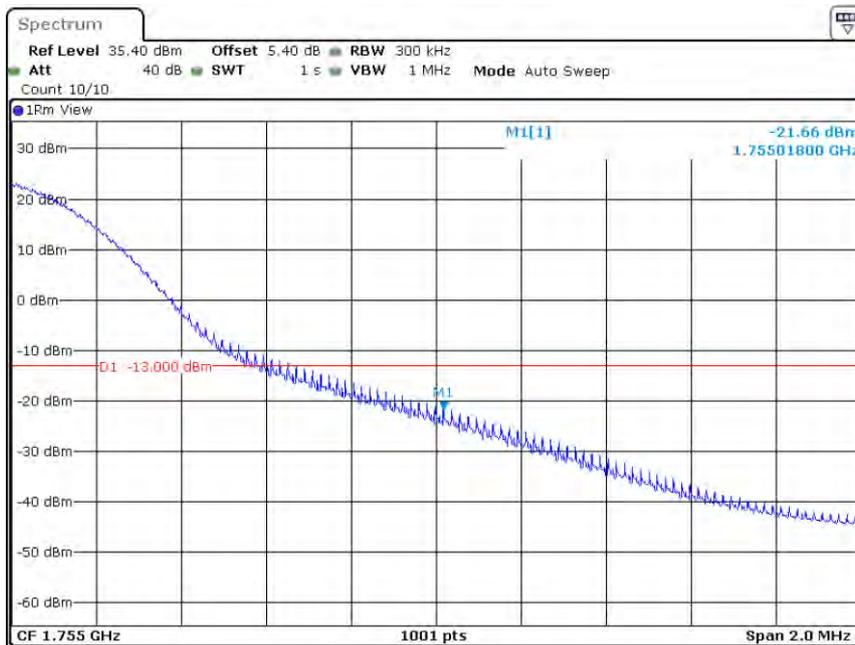
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Band4-20MHz-16QAM-20050-100RB#0



Date: 1.MAY 2021 00:31:08

Band4-20MHz-16QAM-20300-1RB#99



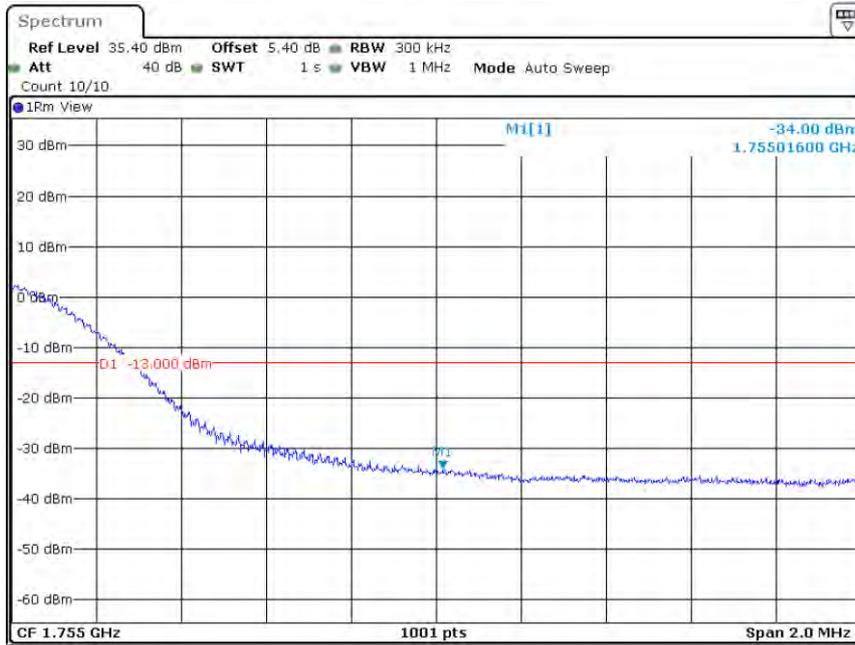
Date: 1.MAY 2021 00:31:54



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



Date: 1.MAY 2021 00:32:35



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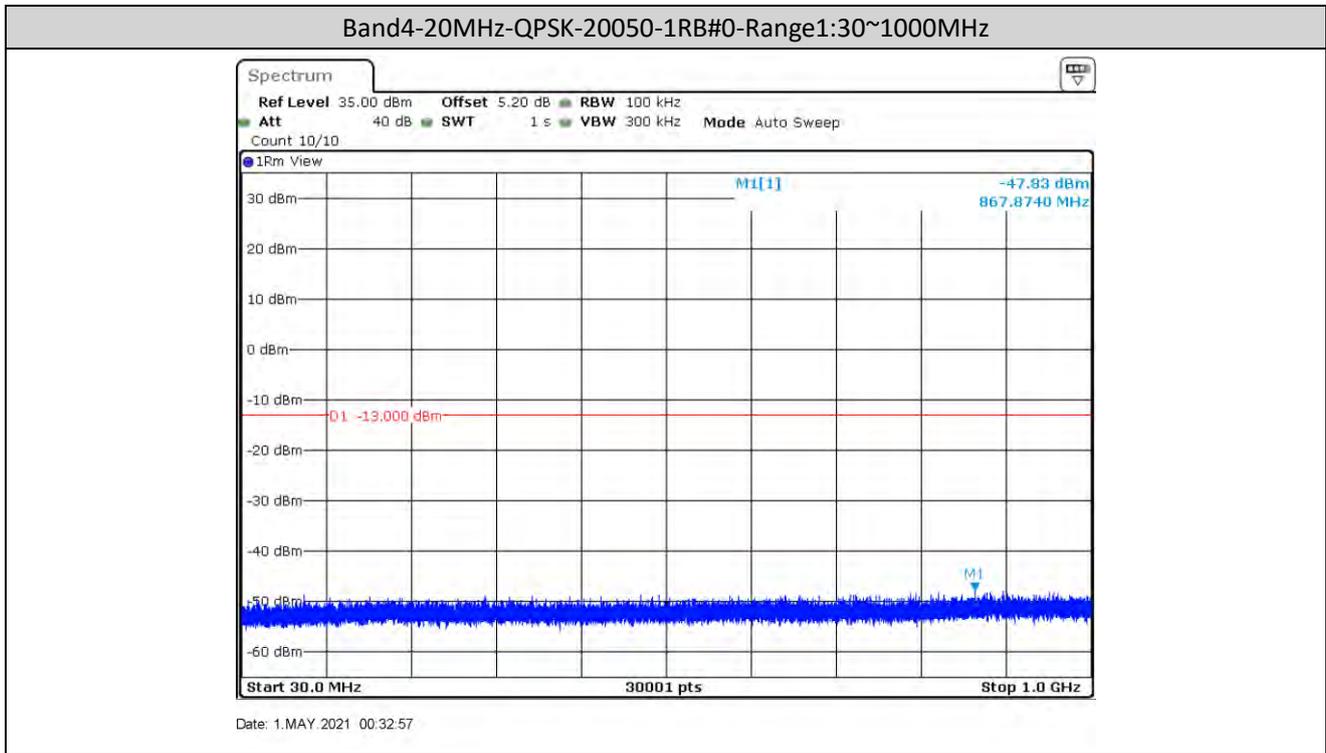
6. Spurious Emission at Antenna Terminal

Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k * (Span / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

Remark2: According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.

Remark3: The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data had been displayed.

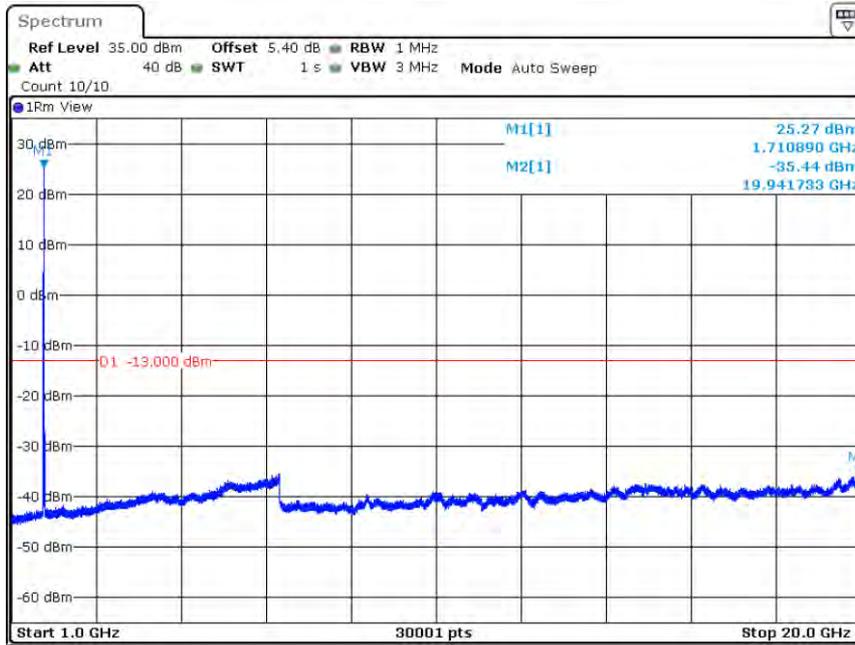
6.1. Test Plots



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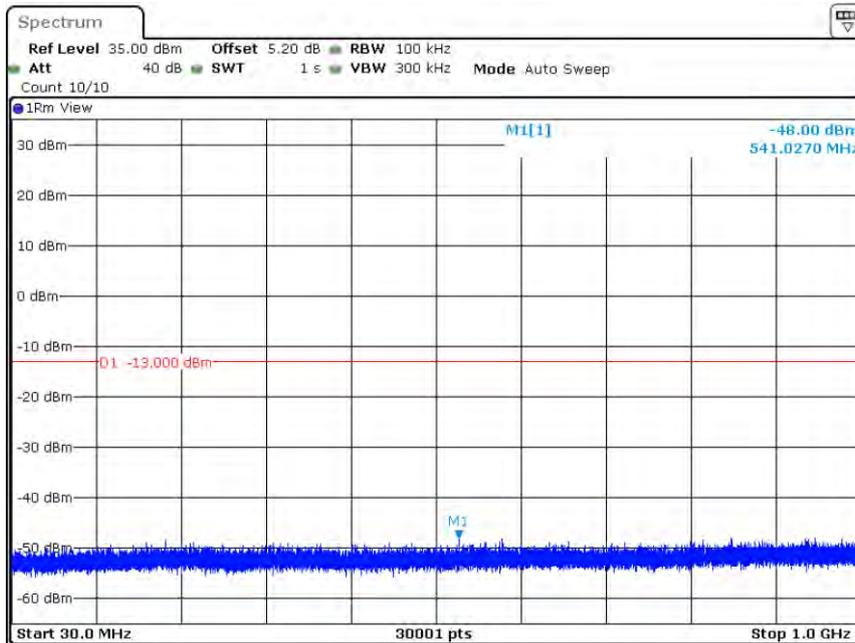
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Band4-20MHz-QPSK-20050-1RB#0-Range2:1000~20000MHz



Date: 1.MAY.2021 00:33:14

Band4-20MHz-QPSK-20175-1RB#0-Range1:30~1000MHz

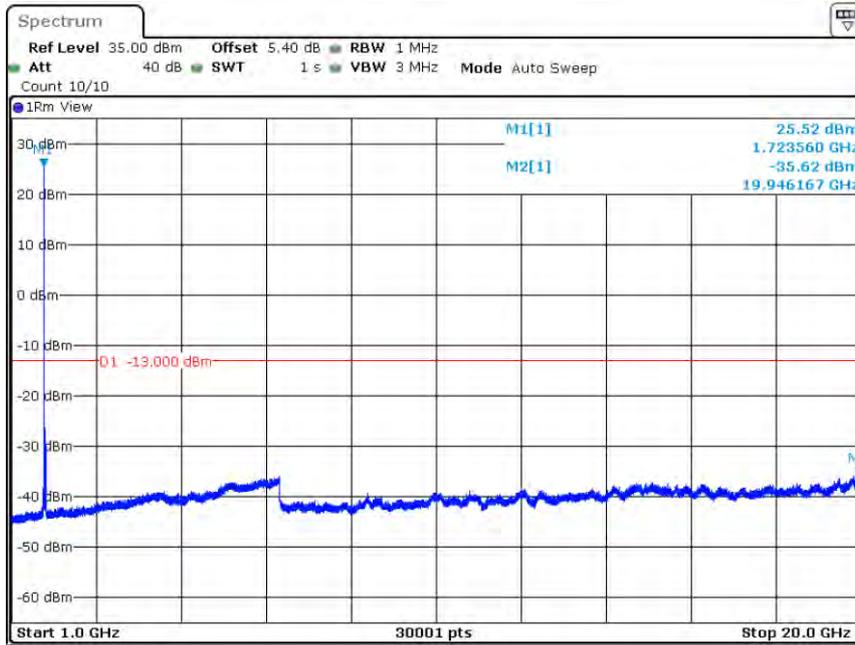


Date: 1.MAY.2021 00:34:08



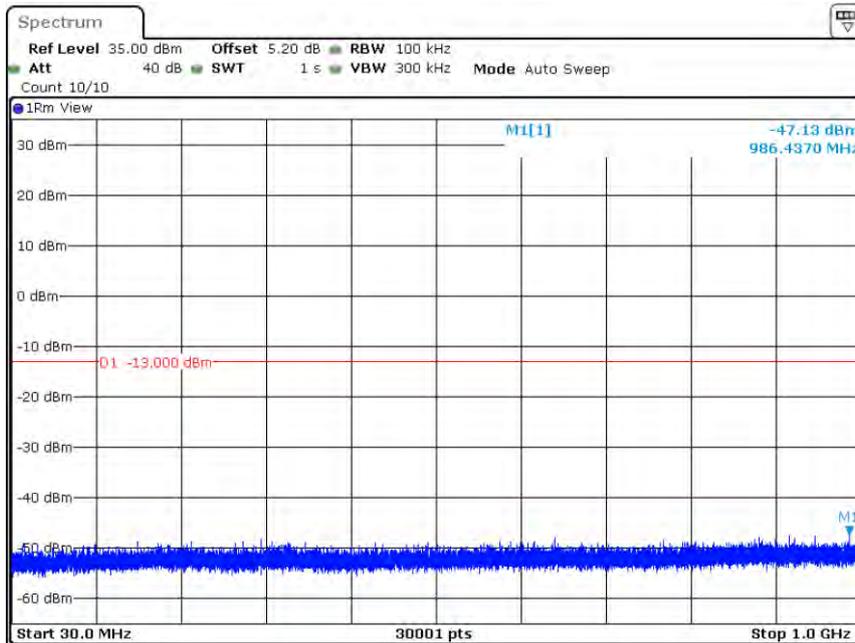
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Band4-20MHz-QPSK-20175-1RB#0-Range2:1000~20000MHz



Date: 1.MAY 2021 00:34:24

Band4-20MHz-QPSK-20300-1RB#0-Range1:30~1000MHz



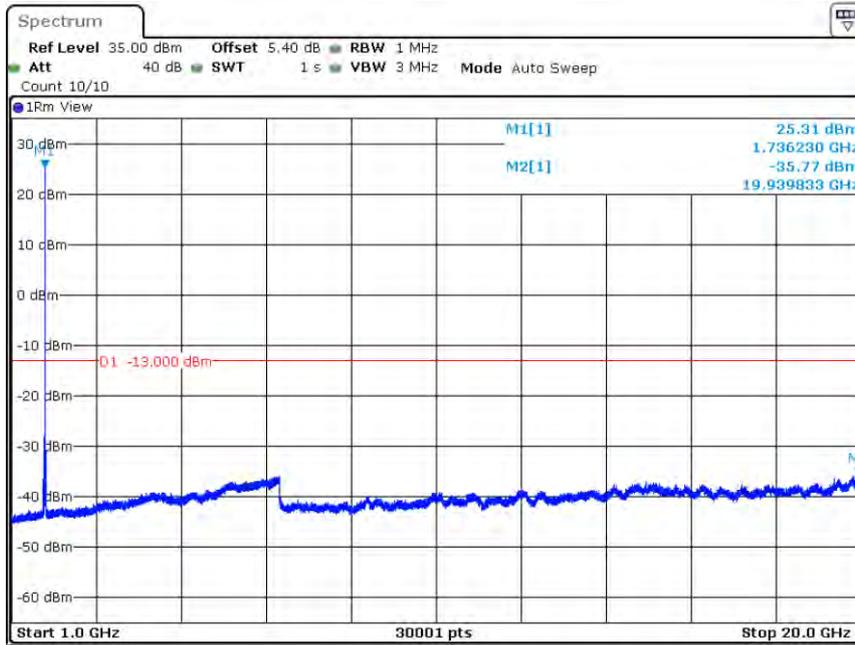
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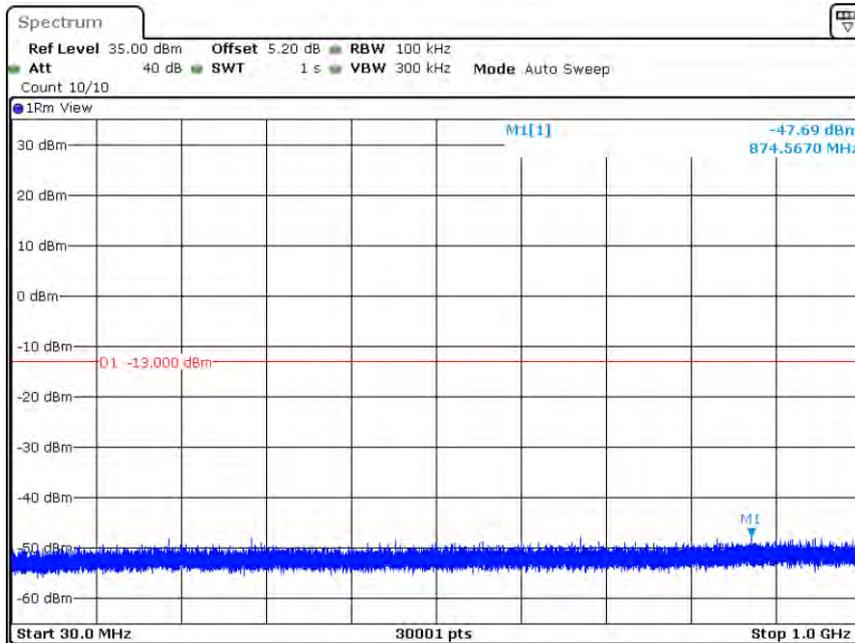
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Band4-20MHz-QPSK-20300-1RB#0-Range2:1000~20000MHz



Date: 1.MAY 2021 00:35:34

Band4-20MHz-64QAM-20050-1RB#0-Range1:30~1000MHz



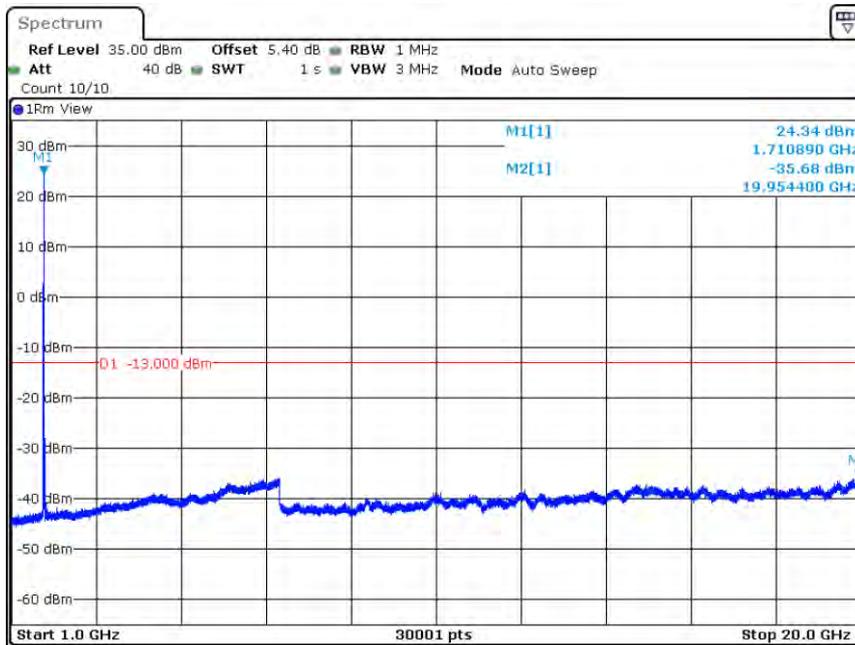
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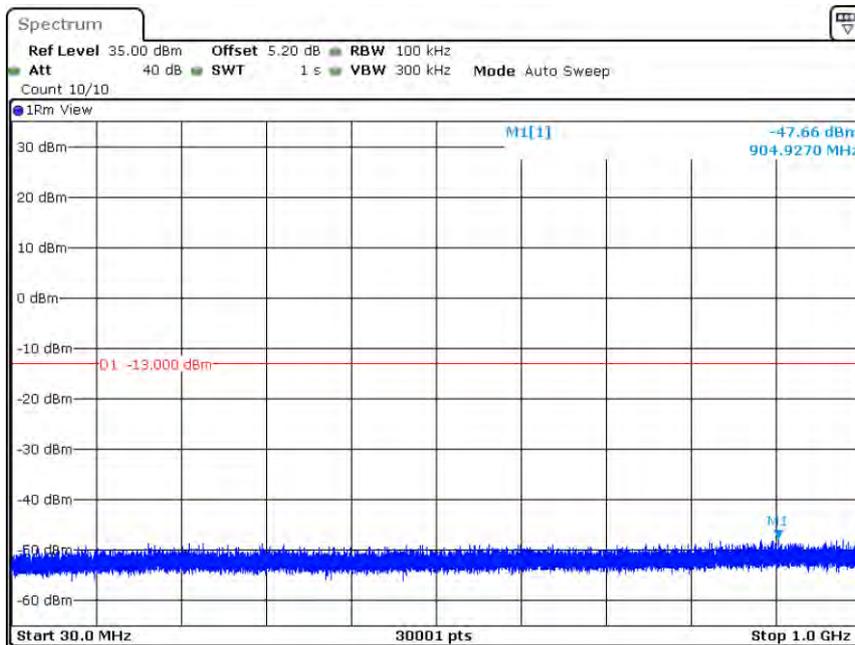
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Band4-20MHz-64QAM-20050-1RB#0-Range2:1000~20000MHz



Date: 1.MAY 2021 09:32:27

Band4-20MHz-64QAM-20175-1RB#0-Range1:30~1000MHz

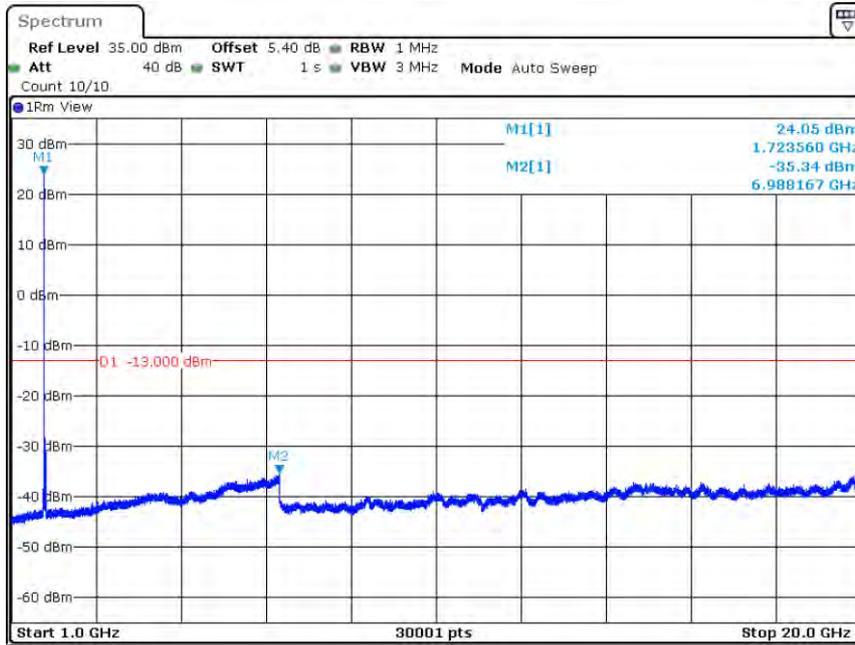


Date: 1.MAY 2021 09:32:46



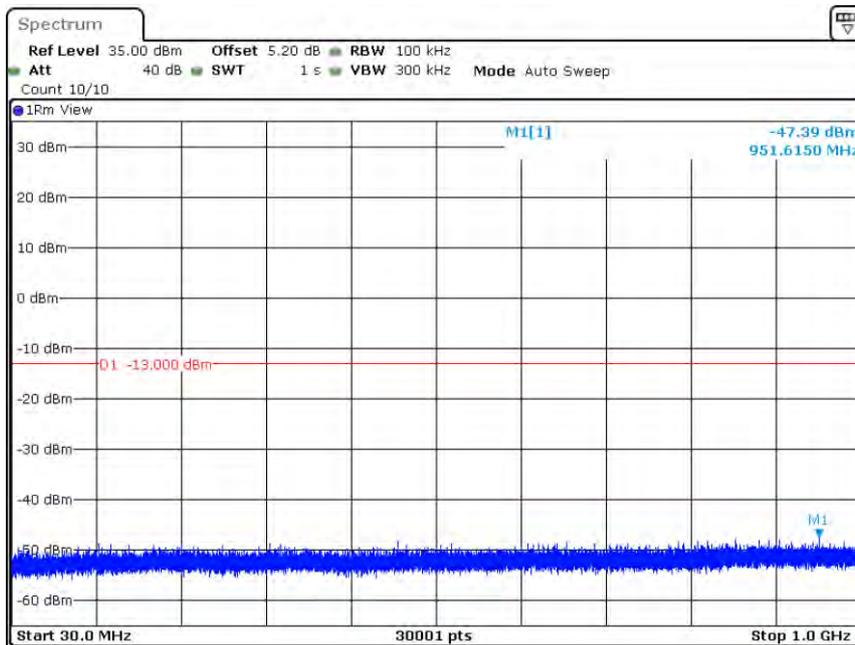
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Band4-20MHz-64QAM-20175-1RB#0-Range2:1000~20000MHz



Date: 1.MAY.2021 09:33:02

Band4-20MHz-64QAM-20300-1RB#0-Range1:30~1000MHz

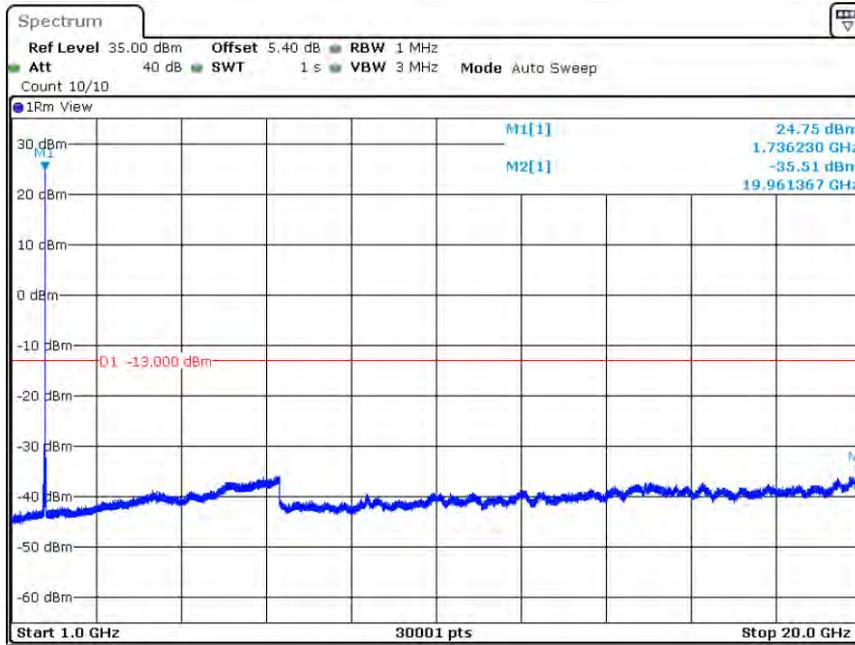


Date: 1.MAY.2021 09:33:21



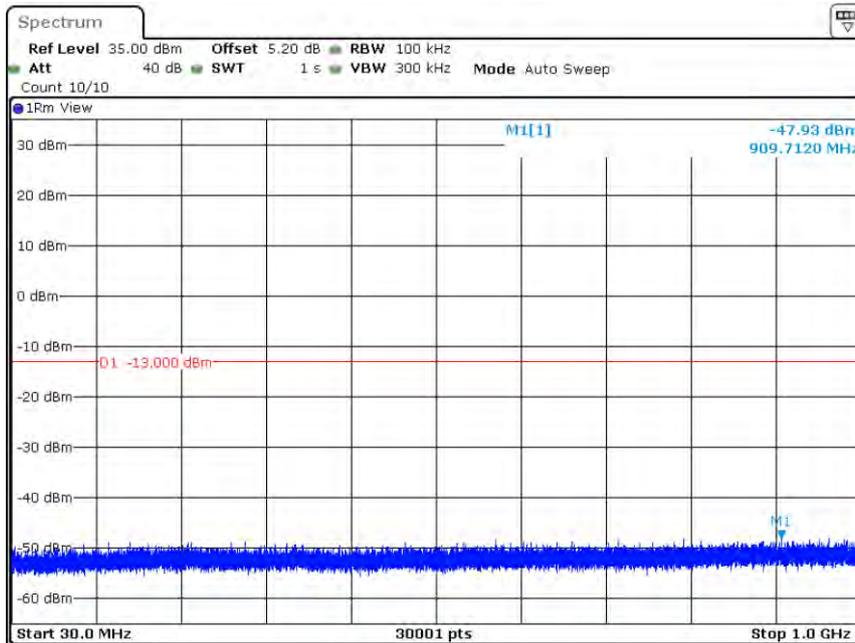
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Band4-20MHz-64QAM-20300-1RB#0-Range2:1000~20000MHz



Date: 1.MAY 2021 09:33:37

Band4-20MHz-16QAM-20050-1RB#0-Range1:30~1000MHz



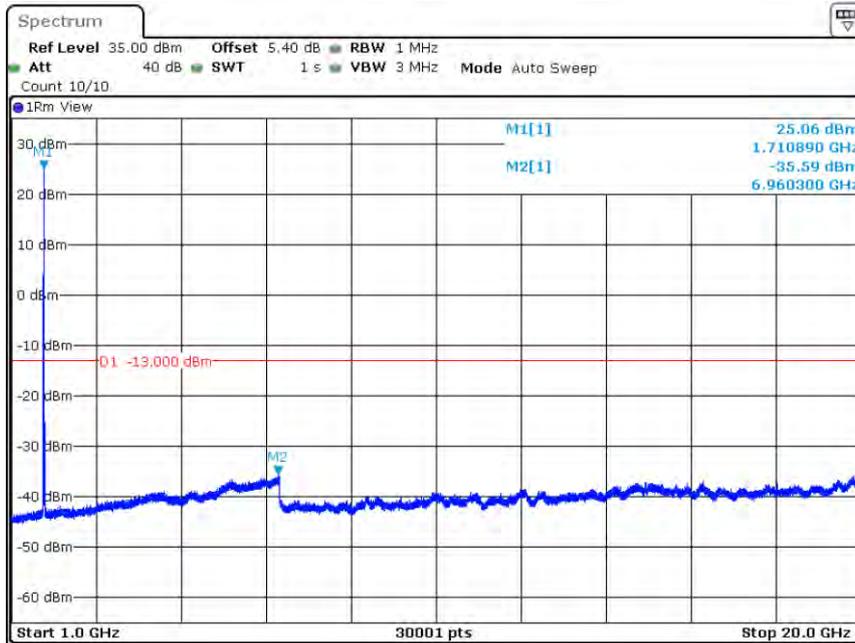
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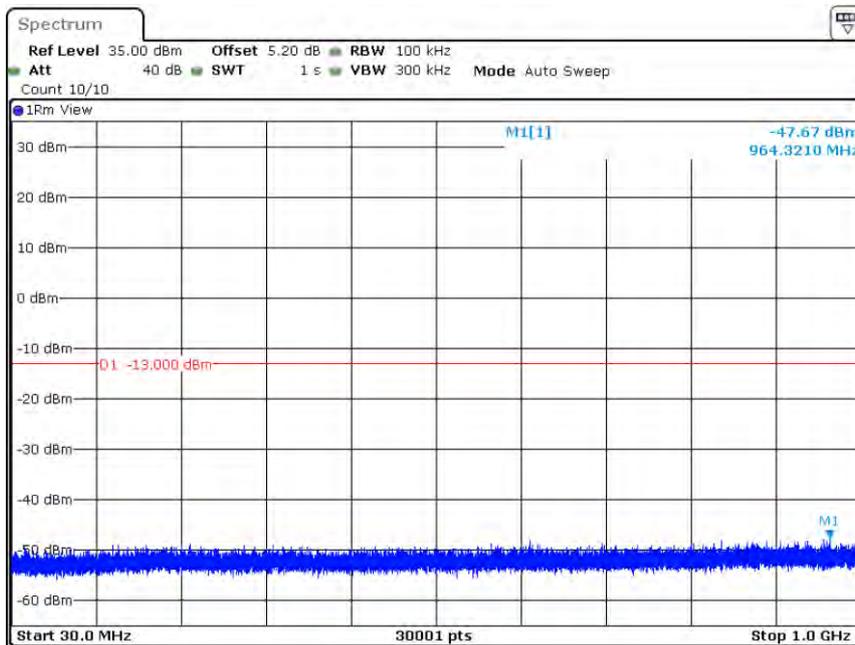
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Band4-20MHz-16QAM-20050-1RB#0-Range2:1000~20000MHz



Date: 1.MAY 2021 00:33:49

Band4-20MHz-16QAM-20175-1RB#0-Range1:30~1000MHz



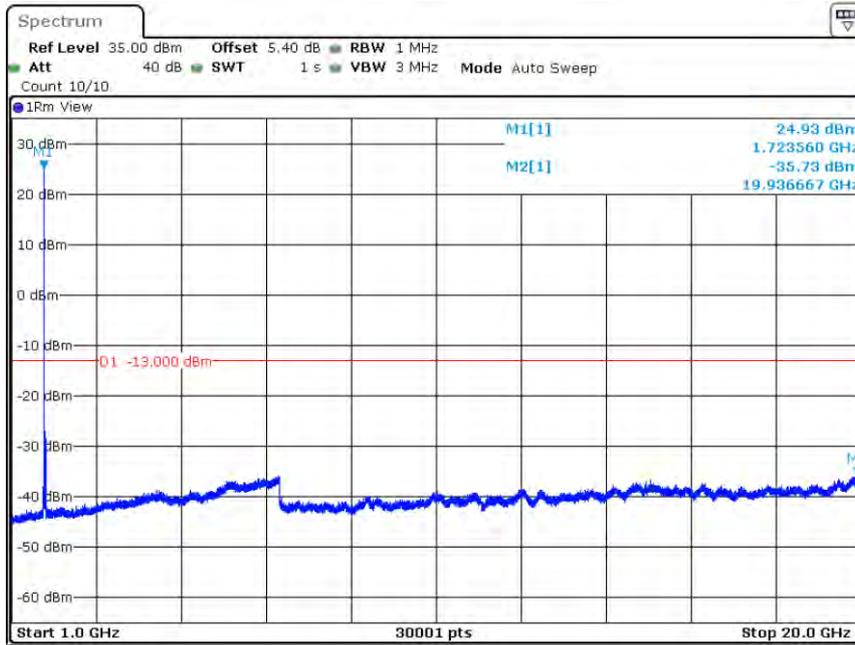
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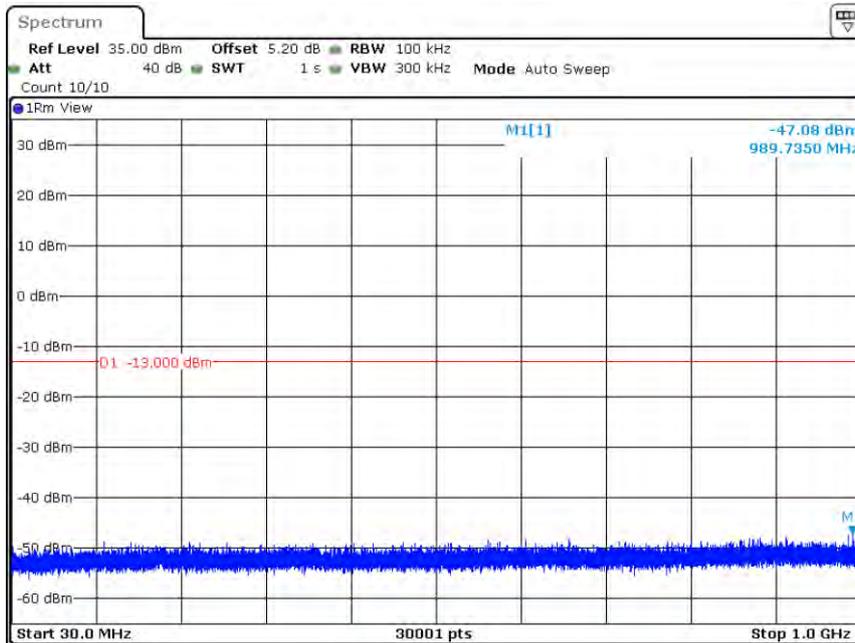
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Band4-20MHz-16QAM-20175-1RB#0-Range2:1000~20000MHz



Date: 1.MAY 2021 00:34:59

Band4-20MHz-16QAM-20300-1RB#0-Range1:30~1000MHz

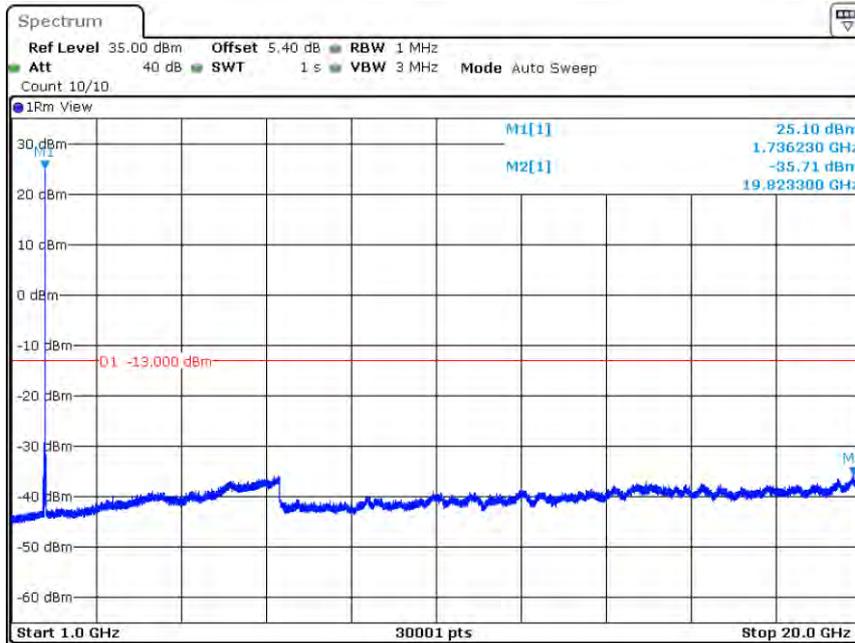


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Band4-20MHz-16QAM-20300-1RB#0-Range2:1000~20000MHz



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7. Field Strength of Spurious Radiation

7.1. Test Band = LTE_Band=4 BW=20MHz ANT0

7.1.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	43.7262	-71.74	-55.79	-13.00	42.79	Horizontal
2	235.3593	-78.76	-67.17	-13.00	54.17	Horizontal
3	5326.6163	-57.07	-55.86	-13.00	42.86	Horizontal
4	16408.420	-59.43	-43.88	-13.00	30.88	Horizontal



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7.2. Test Band = LTE_Band=4 BW=20MHz ANT0

7.2.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	43.2412	-73.26	-68.07	-13.00	55.07	Vertical
2	107.9434	-79.91	-65.02	-13.00	52.02	Vertical
3	703.4077	-78.47	-61.53	-13.00	48.53	Vertical
4	2832.9917	-66.62	-29.26	-13.00	16.26	Vertical
5	5244.1122	-57.75	-57.79	-13.00	44.79	Vertical
6	17984.999	-58.78	-39.30	-13.00	26.30	Vertical



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7.3. Test Band = LTE_Band=4 BW=20MHz ANT0

7.3.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	41.2041	-72.79	-57.00	-13.00	44.00	Horizontal
2	247.4364	-79.38	-67.81	-13.00	54.81	Horizontal
3	2647.8824	-66.89	-29.78	-13.00	16.78	Horizontal
4	5305.6153	-57.46	-55.93	-13.00	42.93	Horizontal
5	16412.920	-59.61	-44.24	-13.00	31.24	Horizontal
6	17996.249	-58.49	-43.78	-13.00	30.78	Horizontal



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7.4. Test Band = LTE_Band=4 BW=20MHz ANT0

7.4.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	43.7262	-72.83	-67.22	-13.00	54.22	Vertical
2	111.1446	-78.73	-63.51	-13.00	50.51	Vertical
3	604.7052	-78.75	-62.41	-13.00	49.41	Vertical
4	5300.3650	-58.17	-57.10	-13.00	44.10	Vertical
5	14540.077	-62.18	-47.92	-13.00	34.92	Vertical
6	17981.999	-58.43	-38.94	-13.00	25.94	Vertical



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7.5. Test Band = LTE_Band=4 BW=20MHz ANT0

7.5.1. Test Channel = High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	44.6962	-72.37	-56.36	-13.00	43.36	Horizontal
2	226.0468	-79.18	-68.21	-13.00	55.21	Horizontal
3	2531.0766	-66.40	-29.67	-13.00	16.67	Horizontal
4	5268.1134	-57.76	-56.84	-13.00	43.84	Horizontal
5	16399.420	-59.68	-43.80	-13.00	30.80	Horizontal
6	17984.999	-58.64	-43.90	-13.00	30.90	Horizontal



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7.6. Test Band = LTE_Band=4 BW=20MHz ANT0

7.6.1. Test Channel = High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	44.6477	-73.84	-67.42	-13.00	54.42	Vertical
2	109.8350	-79.29	-64.01	-13.00	51.01	Vertical
3	2661.9831	-66.80	-30.10	-13.00	17.10	Vertical
4	5304.1152	-58.17	-57.15	-13.00	44.15	Vertical
5	14723.836	-61.65	-48.53	-13.00	35.53	Vertical
6	17806.490	-59.08	-43.13	-13.00	30.13	Vertical



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7.7. Test Band = LTE_Band=4 BW=20MHz ANT3

7.7.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	43.8717	-71.71	-55.75	-13.00	42.75	Horizontal
2	237.6389	-78.59	-66.94	-13.00	53.94	Horizontal
3	2708.2854	-66.40	-27.90	-13.00	14.90	Horizontal
4	5292.8646	-57.57	-56.11	-13.00	43.11	Horizontal
5	16400.920	-60.08	-44.22	-13.00	31.22	Horizontal
6	17984.249	-58.21	-43.47	-13.00	30.47	Horizontal



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7.8. Test Band = LTE_Band=4 BW=20MHz ANT3

7.8.1. Test Channel = Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	44.1142	-72.96	-67.01	-13.00	54.01	Vertical
2	111.8236	-78.69	-63.53	-13.00	50.53	Vertical
3	2666.7833	-66.90	-30.16	-13.00	17.16	Vertical
4	5005.6003	-56.86	-58.19	-13.00	45.19	Vertical
5	14684.834	-60.92	-47.28	-13.00	34.28	Vertical
6	17995.499	-58.32	-38.87	-13.00	25.87	Vertical



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7.9. Test Band = LTE_Band=4 BW=20MHz ANT3

7.9.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	44.2597	-73.02	-57.04	-13.00	44.04	Horizontal
2	653.9837	-78.76	-62.11	-13.00	49.11	Horizontal
3	2695.3848	-66.92	-28.33	-13.00	15.33	Horizontal
4	5312.3656	-57.68	-56.26	-13.00	43.26	Horizontal
5	16400.170	-59.68	-43.79	-13.00	30.79	Horizontal
6	17987.249	-58.26	-43.53	-13.00	30.53	Horizontal



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7.10. Test Band = LTE_Band=4 BW=20MHz ANT3

7.10.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	43.9687	-73.32	-67.49	-13.00	54.49	Vertical
2	109.7380	-79.68	-64.42	-13.00	51.42	Vertical
3	2726.8863	-66.55	-29.24	-13.00	16.24	Vertical
4	5254.6127	-57.68	-57.49	-13.00	44.49	Vertical
5	14298.564	-62.72	-48.83	-13.00	35.83	Vertical
6	17988.749	-58.43	-38.96	-13.00	25.96	Vertical



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7.11. Test Band = LTE_Band=4 BW=20MHz ANT3

7.11.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	45.3753	-73.81	-57.99	-13.00	44.99	Horizontal
2	628.5199	-78.89	-62.37	-13.00	49.37	Horizontal
3	2699.4850	-66.80	-28.09	-13.00	15.09	Horizontal
4	5299.6150	-58.09	-56.49	-13.00	43.49	Horizontal
5	16404.670	-59.83	-44.12	-13.00	31.12	Horizontal
6	17994.749	-58.22	-43.51	-13.00	30.51	Horizontal



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7.12. Test Band = LTE_Band=4 BW=20MHz ANT3

7.12.1. Test Channel = Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	44.5507	-72.12	-65.78	-13.00	52.78	Vertical
2	110.5625	-79.08	-63.82	-13.00	50.82	Vertical
3	775.6763	-78.44	-60.24	-13.00	47.24	Vertical
4	2698.2849	-66.78	-29.35	-13.00	16.35	Vertical
5	5299.6150	-57.91	-56.84	-13.00	43.84	Vertical
6	17989.499	-58.08	-38.61	-13.00	25.61	Vertical

Remark:

- 1 According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.
- 2 The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data displayed in this report.
- 3 all modulation and all Bandwidth had been tested, but only the worst case data displayed in this report.



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8. Frequency Stability

8.1. Frequency Vs Voltage

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	VL	NT	16.30	0.009477	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VN	NT	18.60	0.010814	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VH	NT	15.70	0.009128	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	14.70	0.008485	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	16.20	0.009351	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	11.80	0.006811	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VL	NT	16.90	0.009685	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VN	NT	17.80	0.010201	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VH	NT	20.60	0.011805	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	VL	NT	8.60	0.005000	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	VN	NT	22.20	0.012907	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	VH	NT	18.50	0.010756	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	VL	NT	22.20	0.012814	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	VN	NT	19.90	0.011486	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	VH	NT	18.30	0.010563	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	VL	NT	17.20	0.009857	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	VN	NT	18.80	0.010774	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	VH	NT	20.70	0.011862	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VL	NT	14.70	0.008547	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VN	NT	13.00	0.007558	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VH	NT	17.70	0.010291	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VL	NT	13.10	0.007561	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VN	NT	12.50	0.007215	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VH	NT	15.40	0.008889	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VL	NT	16.40	0.009398	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VN	NT	15.60	0.008940	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VH	NT	14.00	0.008023	±2.5	PASS



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8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	NV	-30	11.70	0.006802	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-20	8.80	0.005116	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-10	8.80	0.005116	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	0	16.30	0.009477	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	10	13.40	0.007791	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	20	11.20	0.006512	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	30	8.80	0.005116	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	40	9.30	0.005407	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	50	11.10	0.006453	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	13.10	0.007561	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	15.90	0.009177	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-10	13.60	0.007850	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	14.90	0.008600	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	18.00	0.010390	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	18.50	0.010678	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	16.00	0.009235	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	17.80	0.010274	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	20.90	0.012063	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-30	14.70	0.008424	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-20	12.30	0.007049	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-10	13.20	0.007564	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	0	19.10	0.010946	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	10	16.30	0.009341	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	20	13.30	0.007622	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	30	14.30	0.008195	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	40	13.30	0.007622	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	50	14.10	0.008080	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	-30	17.20	0.010000	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	-20	15.90	0.009244	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	-10	10.30	0.005988	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	0	8.70	0.005058	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	10	17.30	0.010058	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	20	12.20	0.007093	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	30	13.50	0.007849	±2.5	PASS



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Band4	20MHz	64QAM	20050	100RB#0	NV	40	15.70	0.009128	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	50	22.60	0.013140	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	-30	13.60	0.007850	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	-20	14.20	0.008196	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	-10	17.70	0.010216	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	0	21.30	0.012294	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	10	17.90	0.010332	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	20	13.50	0.007792	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	30	14.80	0.008543	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	40	14.20	0.008196	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	50	15.10	0.008716	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	-30	19.10	0.010946	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	-20	14.10	0.008080	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	-10	15.60	0.008940	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	0	18.90	0.010831	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	10	16.00	0.009169	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	20	16.30	0.009341	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	30	16.40	0.009398	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	40	17.40	0.009971	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	50	16.90	0.009685	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-30	15.00	0.008721	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-20	13.20	0.007674	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-10	16.30	0.009477	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	0	13.80	0.008023	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	10	18.10	0.010523	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	20	12.50	0.007267	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	30	14.70	0.008547	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	40	12.90	0.007500	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	50	16.70	0.009709	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-30	14.60	0.008427	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-20	14.80	0.008543	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-10	15.00	0.008658	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	0	14.70	0.008485	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	10	12.80	0.007388	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	20	14.20	0.008196	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	30	13.90	0.008023	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	40	14.00	0.008081	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	50	13.40	0.007734	±2.5	PASS



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Band4	20MHz	16QAM	20300	100RB#0	NV	-30	16.20	0.009284	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-20	17.60	0.010086	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-10	16.10	0.009226	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	0	15.10	0.008653	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	10	15.80	0.009054	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	20	17.60	0.010086	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	30	16.00	0.009169	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	40	12.60	0.007221	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	50	15.50	0.008883	±2.5	PASS



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