

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	23.06	21.06	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	23.16	21.16	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	23.15	21.15	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	23.24	21.24	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#2	23.22	21.22	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	23.07	21.07	30.00	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	22.49	20.49	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	22.92	20.92	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	23.16	21.16	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	22.98	20.98	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	23.05	21.05	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#2	23.01	21.01	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	22.83	20.83	30.00	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	22.36	20.36	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	23.17	21.17	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	23.19	21.19	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	23.16	21.16	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	23.15	21.15	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#2	23.28	21.28	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	23.14	21.14	30.00	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	22.68	20.68	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#0	21.54	19.54	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#2	21.65	19.65	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#5	21.67	19.67	30.00	PASS
Band4	1.4MHz	64QAM	19957	3RB#0	21.61	19.61	30.00	PASS
Band4	1.4MHz	64QAM	19957	3RB#2	21.61	19.61	30.00	PASS
Band4	1.4MHz	64QAM	19957	3RB#3	21.67	19.67	30.00	PASS



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Band4	1.4MHz	64QAM	19957	6RB#0	20.77	18.77	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#0	21.68	19.68	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#2	21.67	19.67	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#5	21.54	19.54	30.00	PASS
Band4	1.4MHz	64QAM	20175	3RB#0	21.62	19.62	30.00	PASS
Band4	1.4MHz	64QAM	20175	3RB#2	21.68	19.68	30.00	PASS
Band4	1.4MHz	64QAM	20175	3RB#3	21.65	19.65	30.00	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	20.75	18.75	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#0	21.59	19.59	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#2	21.59	19.59	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#5	21.59	19.59	30.00	PASS
Band4	1.4MHz	64QAM	20393	3RB#0	21.63	19.63	30.00	PASS
Band4	1.4MHz	64QAM	20393	3RB#2	21.66	19.66	30.00	PASS
Band4	1.4MHz	64QAM	20393	3RB#3	21.64	19.64	30.00	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	20.54	18.54	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	22.45	20.45	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	22.73	20.73	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	22.58	20.58	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	22.55	20.55	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#2	22.60	20.60	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	22.54	20.54	30.00	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	21.55	19.55	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	22.66	20.66	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	22.92	20.92	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	22.42	20.42	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	22.28	20.28	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#2	22.45	20.45	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	22.43	20.43	30.00	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	21.39	19.39	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	22.60	20.60	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	23.09	21.09	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	22.87	20.87	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	22.62	20.62	30.00	PASS



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Band4	1.4MHz	16QAM	20393	3RB#2	22.80	20.80	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	22.72	20.72	30.00	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	21.58	19.58	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#0	23.22	21.22	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#7	23.24	21.24	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#14	23.12	21.12	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#0	22.59	20.59	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#4	22.57	20.57	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#7	22.58	20.58	30.00	PASS
Band4	3MHz	QPSK	19965	15RB#0	22.61	20.61	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#0	22.95	20.95	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#7	23.21	21.21	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#14	23.09	21.09	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#0	22.59	20.59	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#4	22.61	20.61	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#7	22.54	20.54	30.00	PASS
Band4	3MHz	QPSK	20175	15RB#0	22.56	20.56	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#0	22.99	20.99	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#7	23.28	21.28	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#14	23.18	21.18	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#0	22.56	20.56	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#4	22.58	20.58	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#7	22.60	20.60	30.00	PASS
Band4	3MHz	QPSK	20385	15RB#0	22.51	20.51	30.00	PASS
Band4	3MHz	64QAM	19965	1RB#0	21.58	19.58	30.00	PASS
Band4	3MHz	64QAM	19965	1RB#7	21.60	19.60	30.00	PASS
Band4	3MHz	64QAM	19965	1RB#14	21.66	19.66	30.00	PASS
Band4	3MHz	64QAM	19965	8RB#0	20.67	18.67	30.00	PASS
Band4	3MHz	64QAM	19965	8RB#4	20.70	18.70	30.00	PASS
Band4	3MHz	64QAM	19965	8RB#7	20.72	18.72	30.00	PASS
Band4	3MHz	64QAM	19965	15RB#0	20.74	18.74	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#0	21.59	19.59	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#7	21.54	19.54	30.00	PASS



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Band4	3MHz	64QAM	20175	1RB#14	21.60	19.60	30.00	PASS
Band4	3MHz	64QAM	20175	8RB#0	20.75	18.75	30.00	PASS
Band4	3MHz	64QAM	20175	8RB#4	20.78	18.78	30.00	PASS
Band4	3MHz	64QAM	20175	8RB#7	20.69	18.69	30.00	PASS
Band4	3MHz	64QAM	20175	15RB#0	20.61	18.61	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#0	21.57	19.57	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#7	21.68	19.68	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#14	21.57	19.57	30.00	PASS
Band4	3MHz	64QAM	20385	8RB#0	20.78	18.78	30.00	PASS
Band4	3MHz	64QAM	20385	8RB#4	20.54	18.54	30.00	PASS
Band4	3MHz	64QAM	20385	8RB#7	20.75	18.75	30.00	PASS
Band4	3MHz	64QAM	20385	15RB#0	20.76	18.76	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#0	22.64	20.64	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#7	22.57	20.57	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#14	22.59	20.59	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#0	21.73	19.73	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#4	21.64	19.64	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#7	21.69	19.69	30.00	PASS
Band4	3MHz	16QAM	19965	15RB#0	21.65	19.65	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#0	22.84	20.84	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#7	22.71	20.71	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#14	22.17	20.17	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#0	21.70	19.70	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#4	21.66	19.66	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#7	21.62	19.62	30.00	PASS
Band4	3MHz	16QAM	20175	15RB#0	21.70	19.70	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#0	22.67	20.67	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#7	23.01	21.01	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#14	22.19	20.19	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#0	21.61	19.61	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#4	21.76	19.76	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#7	21.59	19.59	30.00	PASS
Band4	3MHz	16QAM	20385	15RB#0	21.60	19.60	30.00	PASS



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Band4	5MHz	QPSK	19975	1RB#0	23.11	21.11	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#13	23.14	21.14	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#24	23.03	21.03	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#0	22.49	20.49	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#6	22.47	20.47	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#13	22.49	20.49	30.00	PASS
Band4	5MHz	QPSK	19975	25RB#0	22.47	20.47	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#0	23.11	21.11	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#13	23.39	21.39	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#24	23.24	21.24	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#0	22.74	20.74	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#6	22.77	20.77	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#13	22.70	20.70	30.00	PASS
Band4	5MHz	QPSK	20175	25RB#0	22.97	20.97	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#0	23.26	21.26	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#13	23.18	21.18	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#24	22.56	20.56	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#0	22.54	20.54	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#6	22.61	20.61	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#13	22.52	20.52	30.00	PASS
Band4	5MHz	QPSK	20375	25RB#0	22.97	20.97	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#0	21.67	19.67	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#13	21.62	19.62	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#24	21.67	19.67	30.00	PASS
Band4	5MHz	64QAM	19975	12RB#0	20.54	18.54	30.00	PASS
Band4	5MHz	64QAM	19975	12RB#6	20.54	18.54	30.00	PASS
Band4	5MHz	64QAM	19975	12RB#13	20.67	18.67	30.00	PASS
Band4	5MHz	64QAM	19975	25RB#0	20.73	18.73	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#0	21.65	19.65	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#13	21.55	19.55	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#24	21.62	19.62	30.00	PASS
Band4	5MHz	64QAM	20175	12RB#0	20.65	18.65	30.00	PASS
Band4	5MHz	64QAM	20175	12RB#6	20.54	18.54	30.00	PASS



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Band4	5MHz	64QAM	20175	12RB#13	20.73	18.73	30.00	PASS
Band4	5MHz	64QAM	20175	25RB#0	20.77	18.77	30.00	PASS
Band4	5MHz	64QAM	20375	1RB#0	21.60	19.60	30.00	PASS
Band4	5MHz	64QAM	20375	1RB#13	21.58	19.58	30.00	PASS
Band4	5MHz	64QAM	20375	1RB#24	21.62	19.62	30.00	PASS
Band4	5MHz	64QAM	20375	12RB#0	20.78	18.78	30.00	PASS
Band4	5MHz	64QAM	20375	12RB#6	20.58	18.58	30.00	PASS
Band4	5MHz	64QAM	20375	12RB#13	20.73	18.73	30.00	PASS
Band4	5MHz	64QAM	20375	25RB#0	20.56	18.56	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#0	22.51	20.51	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#13	22.43	20.43	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#24	22.47	20.47	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#0	21.61	19.61	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#6	21.52	19.52	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#13	21.58	19.58	30.00	PASS
Band4	5MHz	16QAM	19975	25RB#0	21.55	19.55	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#0	23.05	21.05	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#13	22.46	20.46	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#24	22.36	20.36	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#0	21.91	19.91	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#6	21.82	19.82	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#13	21.81	19.81	30.00	PASS
Band4	5MHz	16QAM	20175	25RB#0	21.86	19.86	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#0	22.62	20.62	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#13	22.97	20.97	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#24	22.19	20.19	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#0	21.56	19.56	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#6	21.72	19.72	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#13	21.54	19.54	30.00	PASS
Band4	5MHz	16QAM	20375	25RB#0	21.57	19.57	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#0	23.12	21.12	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#25	23.09	21.09	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#49	23.01	21.01	30.00	PASS



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Band4	10MHz	QPSK	20000	25RB#0	22.50	20.50	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#13	22.47	20.47	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#25	22.45	20.45	30.00	PASS
Band4	10MHz	QPSK	20000	50RB#0	22.43	20.43	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#0	23.09	21.09	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#25	23.37	21.37	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#49	23.24	21.24	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#0	22.73	20.73	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#13	22.74	20.74	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#25	22.66	20.66	30.00	PASS
Band4	10MHz	QPSK	20175	50RB#0	22.69	20.69	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#0	22.97	20.97	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#25	23.21	21.21	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#49	23.13	21.13	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#0	22.51	20.51	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#13	22.50	20.50	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#25	22.60	20.60	30.00	PASS
Band4	10MHz	QPSK	20350	50RB#0	22.49	20.49	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#0	21.66	19.66	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#25	21.66	19.66	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#49	21.67	19.67	30.00	PASS
Band4	10MHz	64QAM	20000	25RB#0	20.78	18.78	30.00	PASS
Band4	10MHz	64QAM	20000	25RB#13	20.55	18.55	30.00	PASS
Band4	10MHz	64QAM	20000	25RB#25	20.55	18.55	30.00	PASS
Band4	10MHz	64QAM	20000	50RB#0	20.62	18.62	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#0	21.54	19.54	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#25	21.57	19.57	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#49	21.54	19.54	30.00	PASS
Band4	10MHz	64QAM	20175	25RB#0	20.69	18.69	30.00	PASS
Band4	10MHz	64QAM	20175	25RB#13	20.74	18.74	30.00	PASS
Band4	10MHz	64QAM	20175	25RB#25	20.70	18.70	30.00	PASS
Band4	10MHz	64QAM	20175	50RB#0	20.71	18.71	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#0	21.60	19.60	30.00	PASS



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Band4	10MHz	64QAM	20350	1RB#25	21.56	19.56	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#49	21.57	19.57	30.00	PASS
Band4	10MHz	64QAM	20350	25RB#0	20.59	18.59	30.00	PASS
Band4	10MHz	64QAM	20350	25RB#13	20.69	18.69	30.00	PASS
Band4	10MHz	64QAM	20350	25RB#25	20.57	18.57	30.00	PASS
Band4	10MHz	64QAM	20350	50RB#0	20.63	18.63	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#0	22.50	20.50	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#25	22.39	20.39	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#49	22.48	20.48	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#0	21.61	19.61	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#13	21.53	19.53	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#25	21.59	19.59	30.00	PASS
Band4	10MHz	16QAM	20000	50RB#0	21.53	19.53	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#0	23.04	21.04	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#25	22.42	20.42	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#49	22.36	20.36	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#0	21.89	19.89	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#13	21.81	19.81	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#25	21.77	19.77	30.00	PASS
Band4	10MHz	16QAM	20175	50RB#0	21.81	19.81	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#0	22.59	20.59	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#25	22.95	20.95	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#49	22.16	20.16	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#0	21.51	19.51	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#13	21.70	19.70	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#25	21.52	19.52	30.00	PASS
Band4	10MHz	16QAM	20350	50RB#0	21.56	19.56	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#0	23.01	21.01	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#38	23.03	21.03	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#74	22.95	20.95	30.00	PASS
Band4	15MHz	QPSK	20025	36RB#0	22.39	20.39	30.00	PASS
Band4	15MHz	QPSK	20025	36RB#18	22.41	20.41	30.00	PASS
Band4	15MHz	QPSK	20025	36RB#39	22.36	20.36	30.00	PASS



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Band4	15MHz	QPSK	20025	75RB#0	22.38	20.38	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#0	23.03	21.03	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#38	23.26	21.26	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#74	23.15	21.15	30.00	PASS
Band4	15MHz	QPSK	20175	36RB#0	22.65	20.65	30.00	PASS
Band4	15MHz	QPSK	20175	36RB#18	22.64	20.64	30.00	PASS
Band4	15MHz	QPSK	20175	36RB#39	22.59	20.59	30.00	PASS
Band4	15MHz	QPSK	20175	75RB#0	22.62	20.62	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#0	22.90	20.90	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#38	23.16	21.16	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#74	23.06	21.06	30.00	PASS
Band4	15MHz	QPSK	20325	36RB#0	22.40	20.40	30.00	PASS
Band4	15MHz	QPSK	20325	36RB#18	22.44	20.44	30.00	PASS
Band4	15MHz	QPSK	20325	36RB#39	22.51	20.51	30.00	PASS
Band4	15MHz	QPSK	20325	75RB#0	22.38	20.38	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#0	21.57	19.57	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#38	21.61	19.61	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#74	21.64	19.64	30.00	PASS
Band4	15MHz	64QAM	20025	36RB#0	20.58	18.58	30.00	PASS
Band4	15MHz	64QAM	20025	36RB#18	20.57	18.57	30.00	PASS
Band4	15MHz	64QAM	20025	36RB#39	20.72	18.72	30.00	PASS
Band4	15MHz	64QAM	20025	75RB#0	20.77	18.77	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#0	21.64	19.64	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#38	21.65	19.65	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#74	21.64	19.64	30.00	PASS
Band4	15MHz	64QAM	20175	36RB#0	20.55	18.55	30.00	PASS
Band4	15MHz	64QAM	20175	36RB#18	20.60	18.60	30.00	PASS
Band4	15MHz	64QAM	20175	36RB#39	20.72	18.72	30.00	PASS
Band4	15MHz	64QAM	20175	75RB#0	20.59	18.59	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#0	21.55	19.55	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#38	21.68	19.68	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#74	21.67	19.67	30.00	PASS
Band4	15MHz	64QAM	20325	36RB#0	20.67	18.67	30.00	PASS



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Band4	15MHz	64QAM	20325	36RB#18	20.61	18.61	30.00	PASS
Band4	15MHz	64QAM	20325	36RB#39	20.76	18.76	30.00	PASS
Band4	15MHz	64QAM	20325	75RB#0	20.59	18.59	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#0	22.42	20.42	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#38	22.29	20.29	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#74	22.38	20.38	30.00	PASS
Band4	15MHz	16QAM	20025	36RB#0	21.55	19.55	30.00	PASS
Band4	15MHz	16QAM	20025	36RB#18	21.48	19.48	30.00	PASS
Band4	15MHz	16QAM	20025	36RB#39	21.52	19.52	30.00	PASS
Band4	15MHz	16QAM	20025	75RB#0	21.43	19.43	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#0	22.98	20.98	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#38	22.31	20.31	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#74	22.26	20.26	30.00	PASS
Band4	15MHz	16QAM	20175	36RB#0	21.81	19.81	30.00	PASS
Band4	15MHz	16QAM	20175	36RB#18	21.71	19.71	30.00	PASS
Band4	15MHz	16QAM	20175	36RB#39	21.68	19.68	30.00	PASS
Band4	15MHz	16QAM	20175	75RB#0	21.70	19.70	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#0	22.51	20.51	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#38	22.85	20.85	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#74	23.09	21.09	30.00	PASS
Band4	15MHz	16QAM	20325	36RB#0	21.40	19.40	30.00	PASS
Band4	15MHz	16QAM	20325	36RB#18	21.61	19.61	30.00	PASS
Band4	15MHz	16QAM	20325	36RB#39	21.44	19.44	30.00	PASS
Band4	15MHz	16QAM	20325	75RB#0	21.45	19.45	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#0	23.31	21.31	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#50	23.17	21.17	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#99	23.34	21.34	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#0	22.37	20.37	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#25	22.27	20.27	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#50	22.45	20.45	30.00	PASS
Band4	20MHz	QPSK	20050	100RB#0	22.45	20.45	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#0	23.36	21.36	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#50	23.28	21.28	30.00	PASS



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Band4	20MHz	QPSK	20175	1RB#99	23.45	21.45	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#0	22.44	20.44	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#25	22.45	20.45	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#50	22.42	20.42	30.00	PASS
Band4	20MHz	QPSK	20175	100RB#0	22.40	20.40	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#0	23.34	21.34	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#50	23.25	21.25	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#99	23.52	21.52	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#0	22.32	20.32	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#25	22.34	20.34	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#50	22.33	20.33	30.00	PASS
Band4	20MHz	QPSK	20300	100RB#0	22.33	20.33	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#0	21.62	19.62	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#50	21.62	19.62	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#99	21.68	19.68	30.00	PASS
Band4	20MHz	64QAM	20050	50RB#0	20.70	18.70	30.00	PASS
Band4	20MHz	64QAM	20050	50RB#25	20.71	18.71	30.00	PASS
Band4	20MHz	64QAM	20050	50RB#50	20.65	18.65	30.00	PASS
Band4	20MHz	64QAM	20050	100RB#0	20.62	18.62	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#0	21.64	19.64	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#50	21.66	19.66	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#99	21.56	19.56	30.00	PASS
Band4	20MHz	64QAM	20175	50RB#0	20.75	18.75	30.00	PASS
Band4	20MHz	64QAM	20175	50RB#25	20.66	18.66	30.00	PASS
Band4	20MHz	64QAM	20175	50RB#50	20.62	18.62	30.00	PASS
Band4	20MHz	64QAM	20175	100RB#0	20.68	18.68	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#0	21.65	19.65	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#50	21.61	19.61	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#99	21.67	19.67	30.00	PASS
Band4	20MHz	64QAM	20300	50RB#0	20.59	18.59	30.00	PASS
Band4	20MHz	64QAM	20300	50RB#25	20.68	18.68	30.00	PASS
Band4	20MHz	64QAM	20300	50RB#50	20.59	18.59	30.00	PASS
Band4	20MHz	64QAM	20300	100RB#0	20.68	18.68	30.00	PASS



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Band4	20MHz	16QAM	20050	1RB#0	22.67	20.67	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#50	22.81	20.81	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#99	22.22	20.22	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#0	21.26	19.26	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#25	21.37	19.37	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#50	21.39	19.39	30.00	PASS
Band4	20MHz	16QAM	20050	100RB#0	21.37	19.37	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#0	22.66	20.66	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#50	22.52	20.52	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#99	22.18	20.18	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#0	21.48	19.48	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#25	21.38	19.38	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#50	21.48	19.48	30.00	PASS
Band4	20MHz	16QAM	20175	100RB#0	21.43	19.43	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#0	23.15	21.15	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#50	22.38	20.38	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#99	22.25	20.25	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#0	21.30	19.30	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#25	21.26	19.26	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#50	21.35	19.35	30.00	PASS
Band4	20MHz	16QAM	20300	100RB#0	21.35	19.35	30.00	PASS

Remark:

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

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

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



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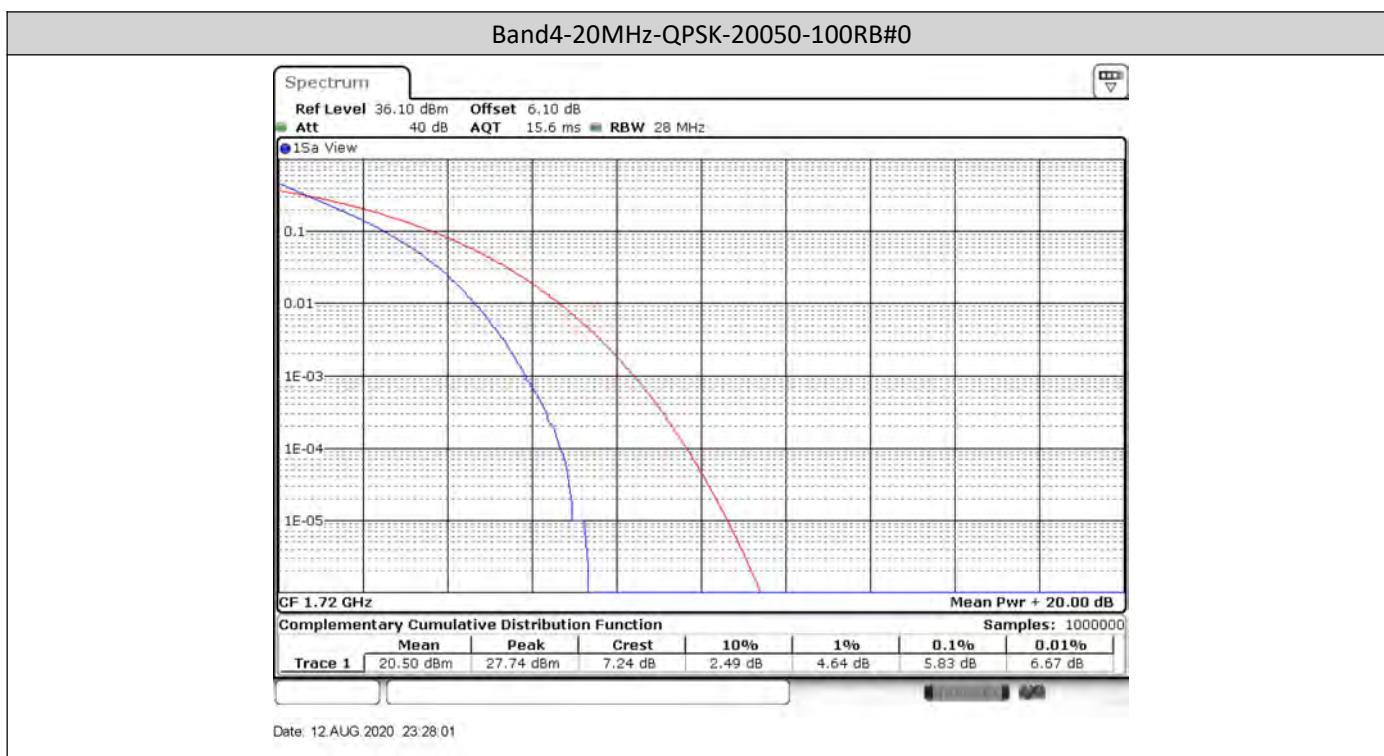


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

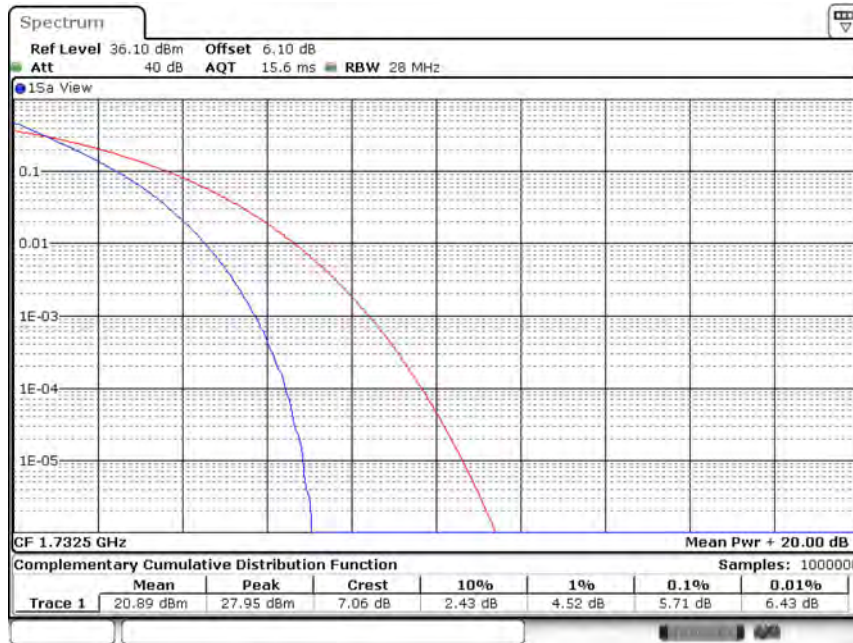
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	5.83	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.71	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.77	13	PASS
Band4	20MHz	64QAM	20050	100RB#0	6.81	13	PASS
Band4	20MHz	64QAM	20175	100RB#0	6.67	13	PASS
Band4	20MHz	64QAM	20300	100RB#0	6.70	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	6.70	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	6.52	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	6.52	13	PASS

2.2. Test Plots





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



Date: 12 AUG 2020 23:28:18

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



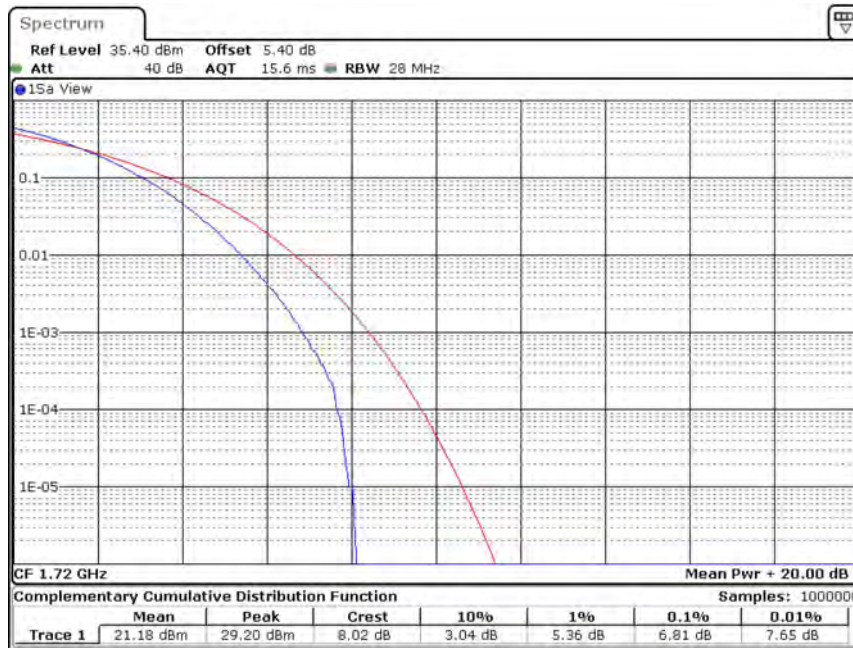
Date: 12 AUG 2020 23:28:35



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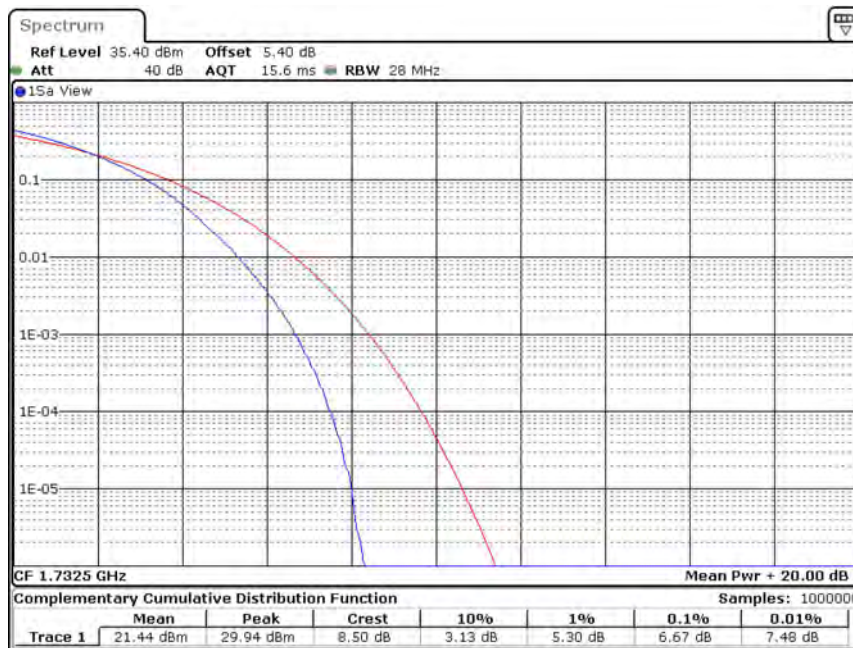


Band4-20MHz-64QAM-20050-100RB#0



Date: 28.AUG.2020 16:35:09

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



Date: 28.AUG.2020 16:35:21



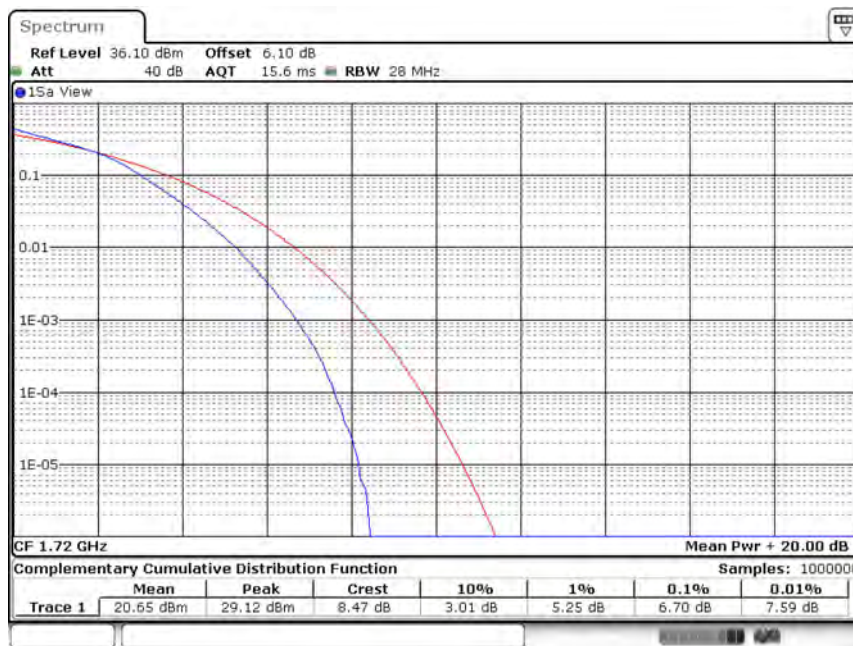
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Band4-20MHz-64QAM-20300-100RB#0



Date: 28.AUG.2020 16:35:32

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



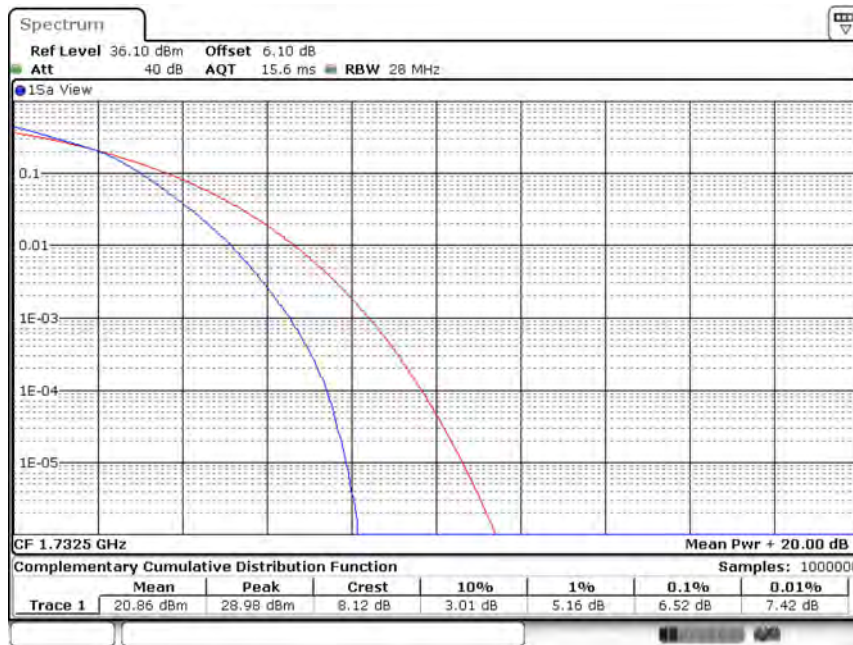
Date: 12.AUG.2020 23:28:10



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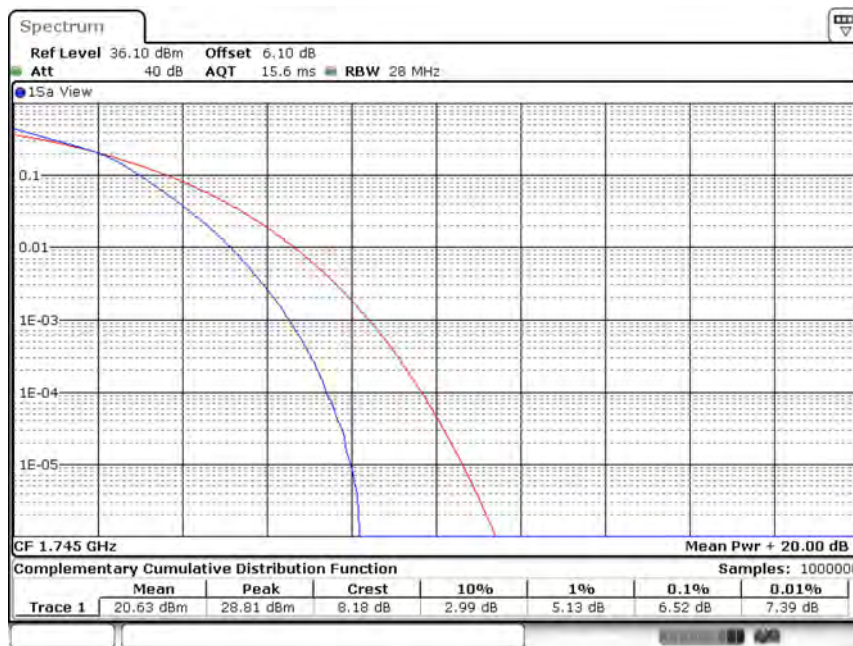


Band4-20MHz-16QAM-20175-100RB#0



Date: 12 AUG 2020 23:28:27

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



Date: 12 AUG 2020 23:28:44



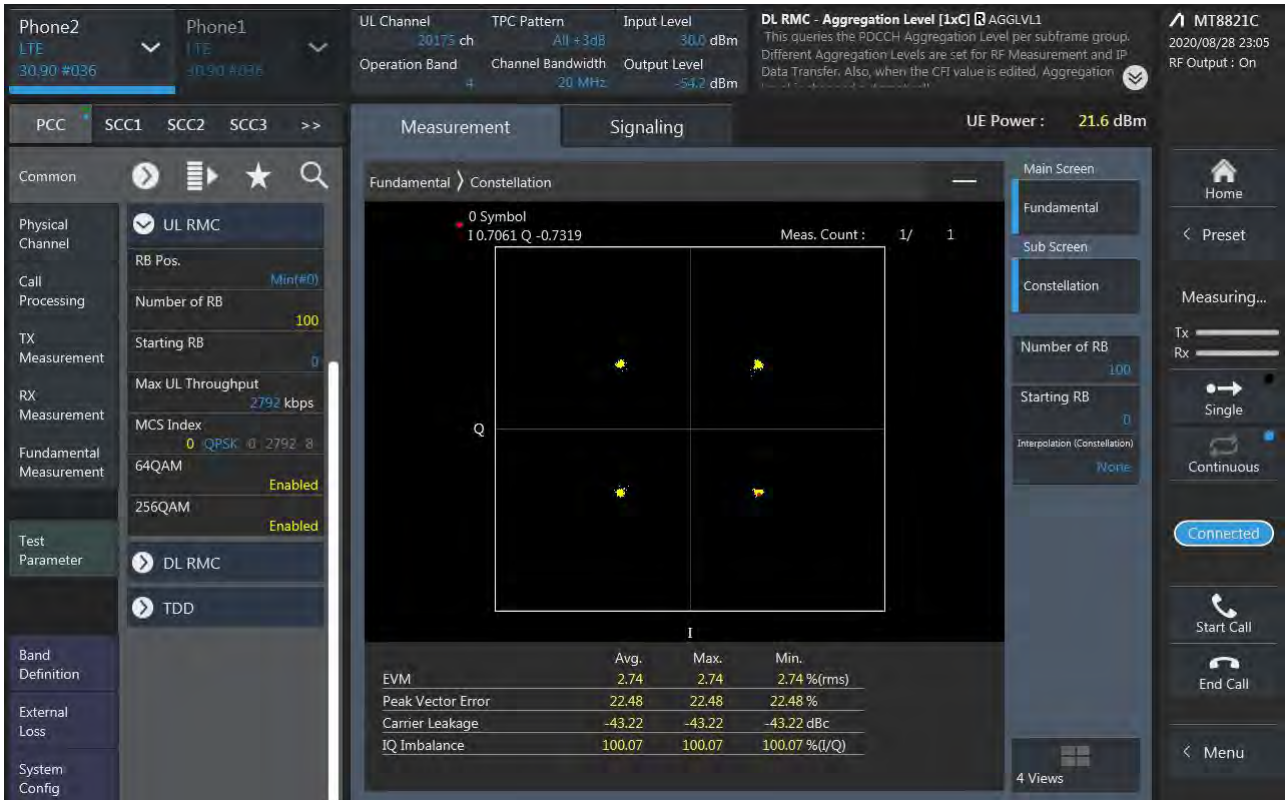
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3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

3.1.1. Test Channel = MCH



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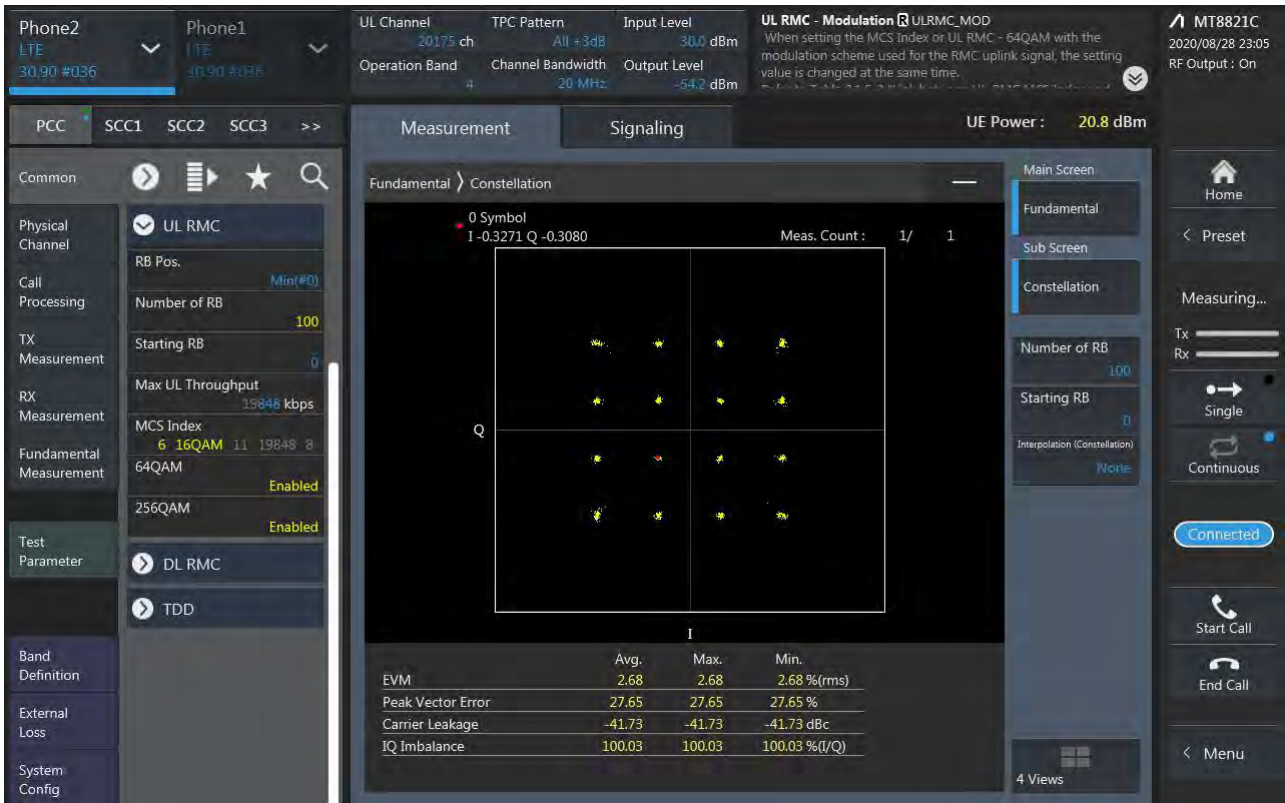
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3.2. Test Mode = LTE /TM2 20MHz

3.2.1. Test Channel = MCH

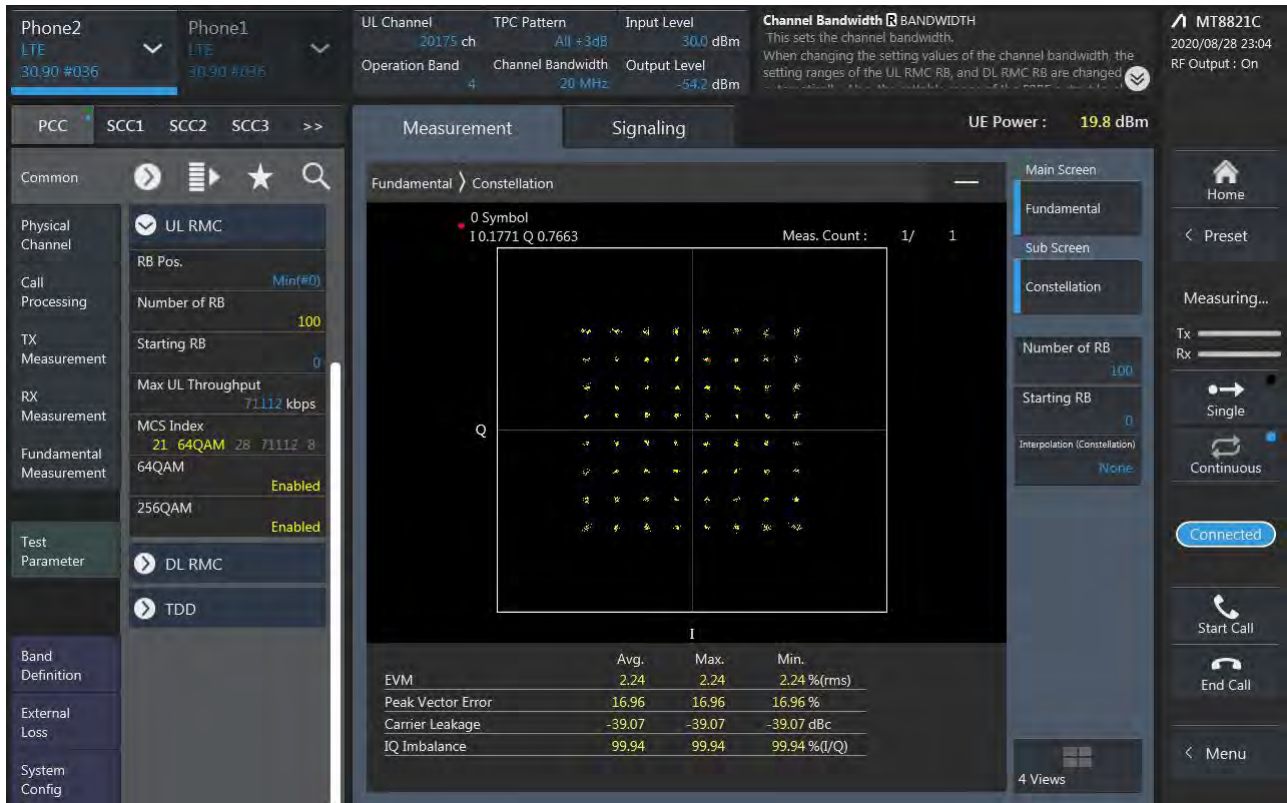


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3.3. Test Mode = LTE /TM3 20MHz

3.3.1. Test Channel = MCH





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	1.284	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.085	1.281	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.091	1.290	PASS
Band4	1.4MHz	64QAM	19957	6RB#0	1.1	1.302	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	1.094	1.272	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	1.1	1.296	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.091	1.290	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.091	1.293	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.091	1.296	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.697	2.988	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.697	2.994	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.691	2.976	PASS
Band4	3MHz	64QAM	19965	15RB#0	2.691	2.982	PASS
Band4	3MHz	64QAM	20175	15RB#0	2.685	2.982	PASS
Band4	3MHz	64QAM	20385	15RB#0	2.685	2.988	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.685	2.976	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.685	2.970	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	4.940	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.476	4.930	PASS
Band4	5MHz	64QAM	19975	25RB#0	4.466	4.910	PASS
Band4	5MHz	64QAM	20175	25RB#0	4.466	4.910	PASS
Band4	5MHz	64QAM	20375	25RB#0	4.476	4.890	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.496	4.950	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.496	4.940	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.496	4.940	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.951	9.760	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.911	9.740	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.931	9.740	PASS
Band4	10MHz	64QAM	20000	50RB#0	8.911	9.660	PASS



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Band4	10MHz	64QAM	20175	50RB#0	8.931	9.720	PASS
Band4	10MHz	64QAM	20350	50RB#0	8.931	9.700	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.911	9.780	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.931	9.740	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.931	9.780	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.457	14.730	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.427	14.850	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.457	14.820	PASS
Band4	15MHz	64QAM	20025	75RB#0	13.457	14.910	PASS
Band4	15MHz	64QAM	20175	75RB#0	13.427	14.850	PASS
Band4	15MHz	64QAM	20325	75RB#0	13.457	14.850	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.487	14.790	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.457	14.670	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.457	14.790	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.942	19.480	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.862	19.480	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.902	19.480	PASS
Band4	20MHz	64QAM	20050	100RB#0	17.862	19.480	PASS
Band4	20MHz	64QAM	20175	100RB#0	17.862	19.480	PASS
Band4	20MHz	64QAM	20300	100RB#0	17.902	19.400	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.942	19.520	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.862	19.480	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.942	19.520	PASS

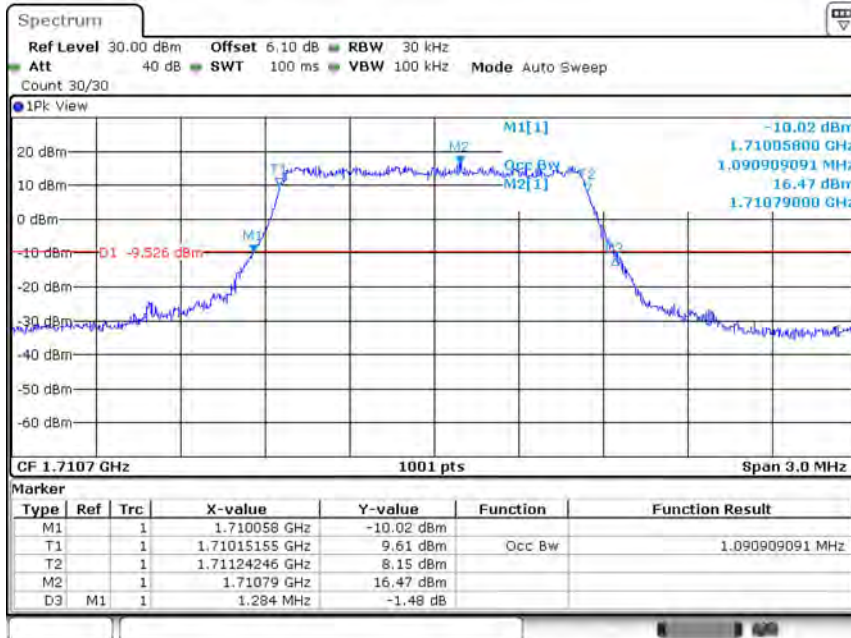


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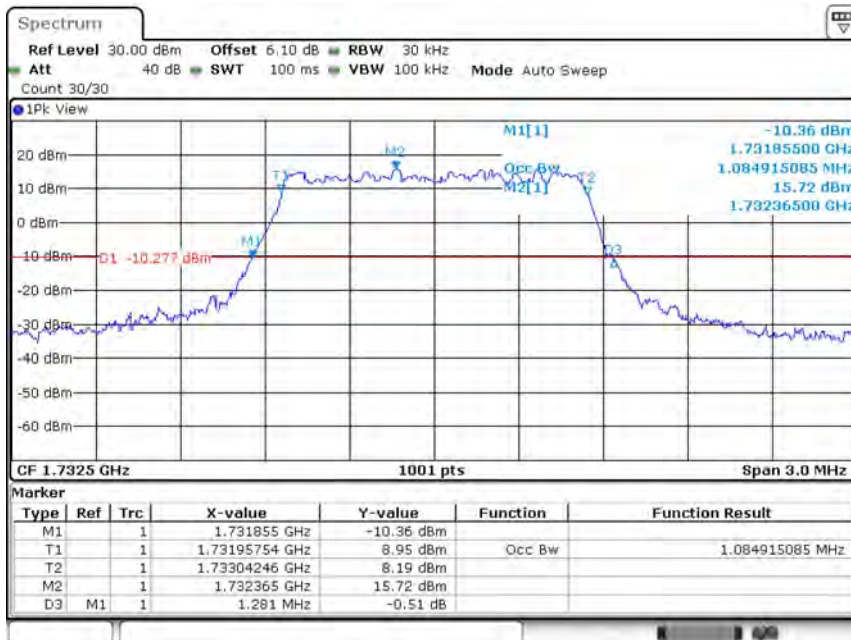
4.2. Test Plots

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



Date: 12.AUG 2020 23:03:42

Band4-1.4MHz-QPSK-20175-6RB#0-1.085



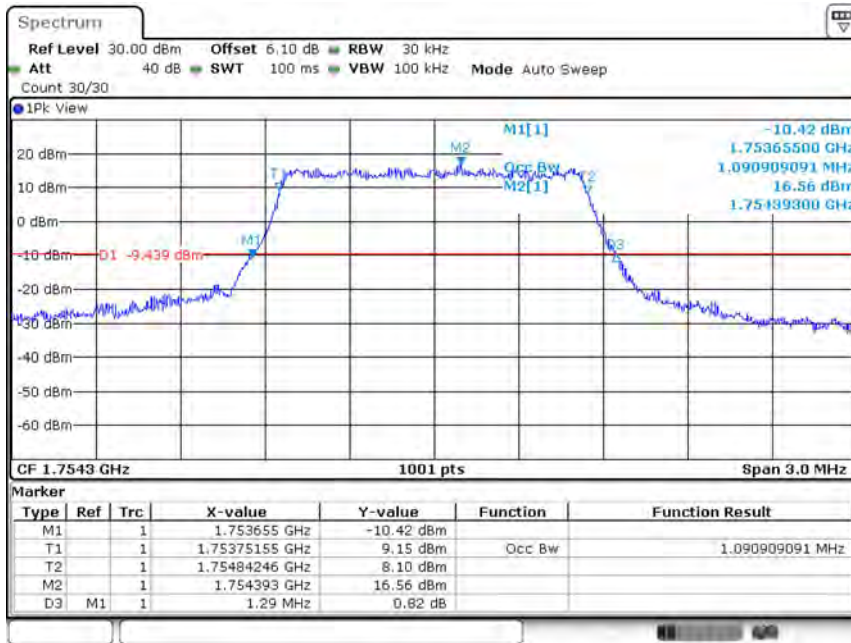
Date: 12.AUG 2020 23:04:02



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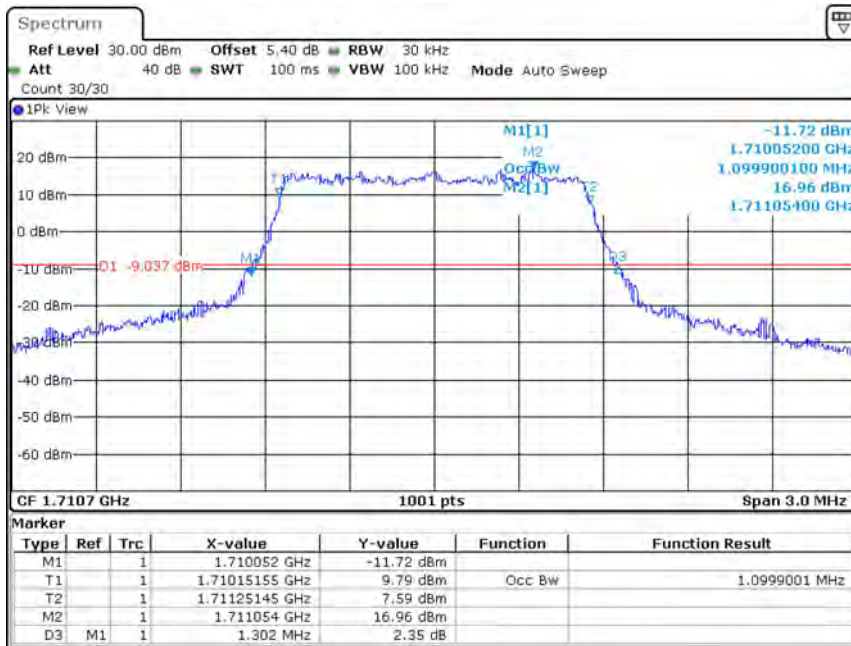


Band4-1.4MHz-QPSK-20393-6RB#0-1.091



Date: 12 AUG 2020 23:04:22

Band4-1.4MHz-64QAM-19957-6RB#0-1.1



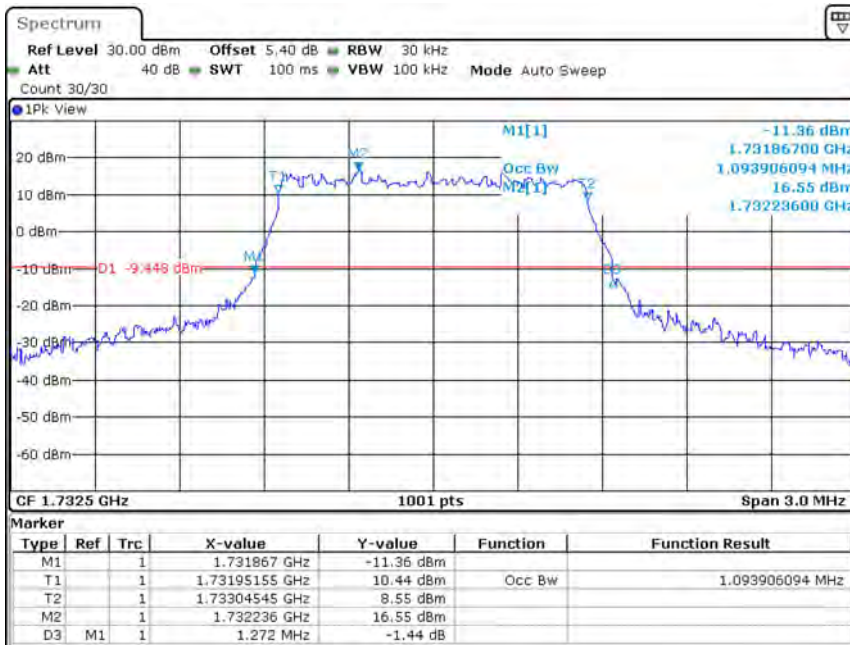
Date: 28 AUG 2020 16:18:58



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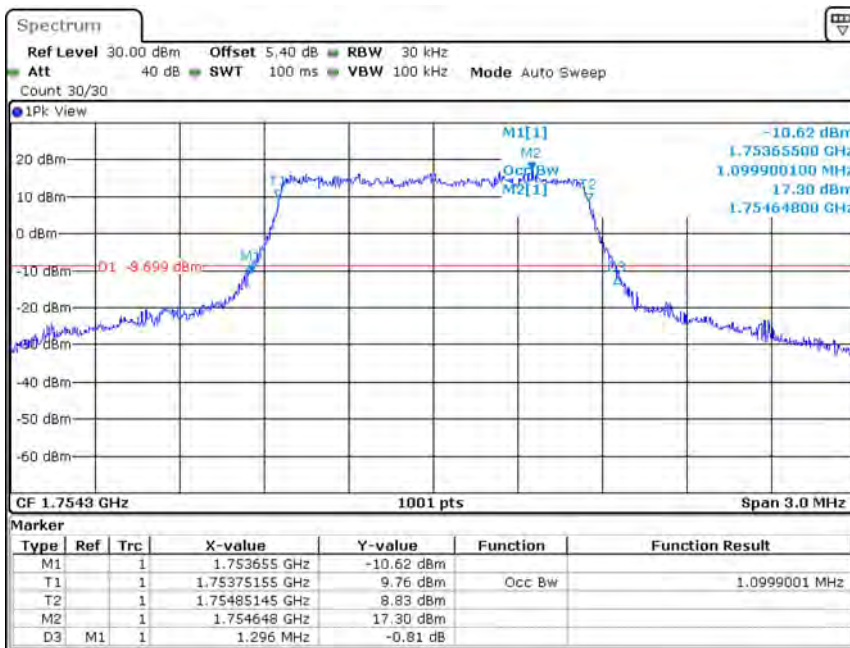


Band4-1.4MHz-64QAM-20175-6RB#0-1.094



Date: 28.AUG.2020 16:19:10

Band4-1.4MHz-64QAM-20393-6RB#0-1.1



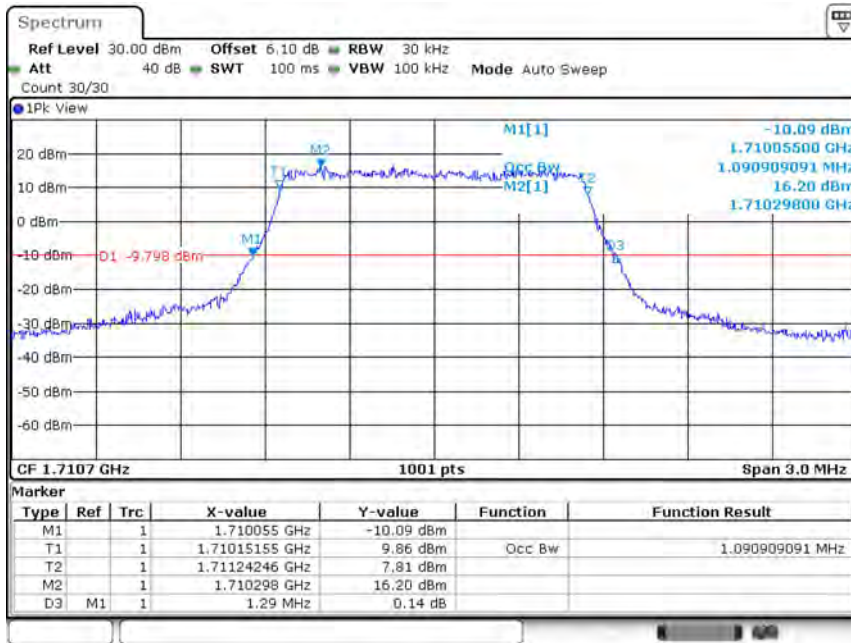
Date: 28.AUG.2020 16:19:23



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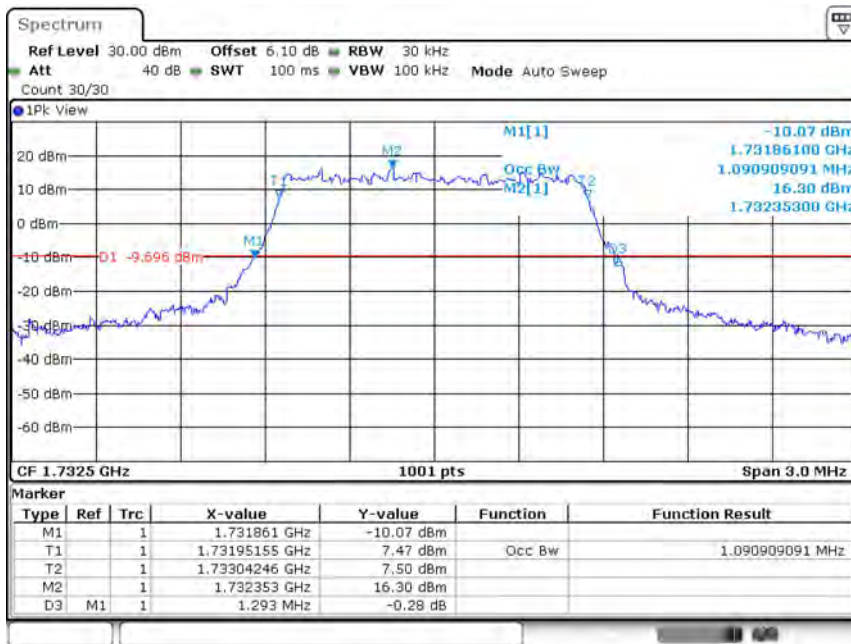


Band4-1.4MHz-16QAM-19957-6RB#0-1.091



Date: 12 AUG 2020 23:03:52

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



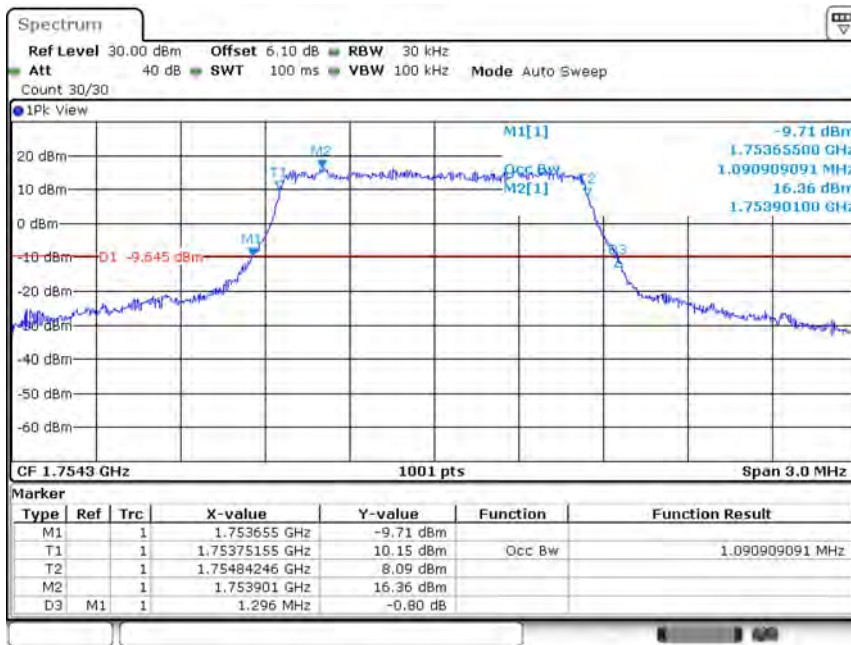
Date: 12 AUG 2020 23:04:12



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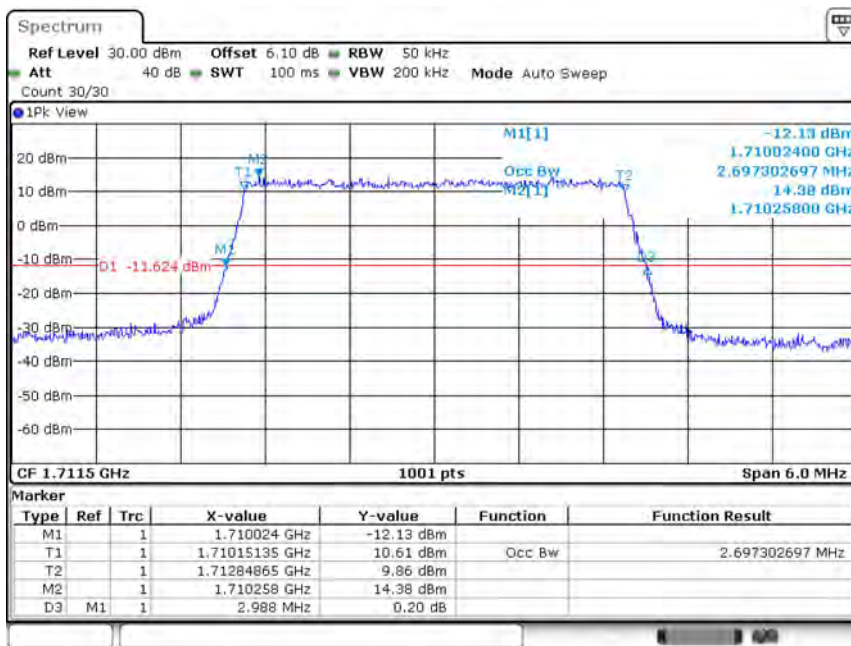


Band4-1.4MHz-16QAM-20393-6RB#0-1.091



Date: 12 AUG 2020 23:04:31

Band4-3MHz-QPSK-19965-15RB#0-2.697



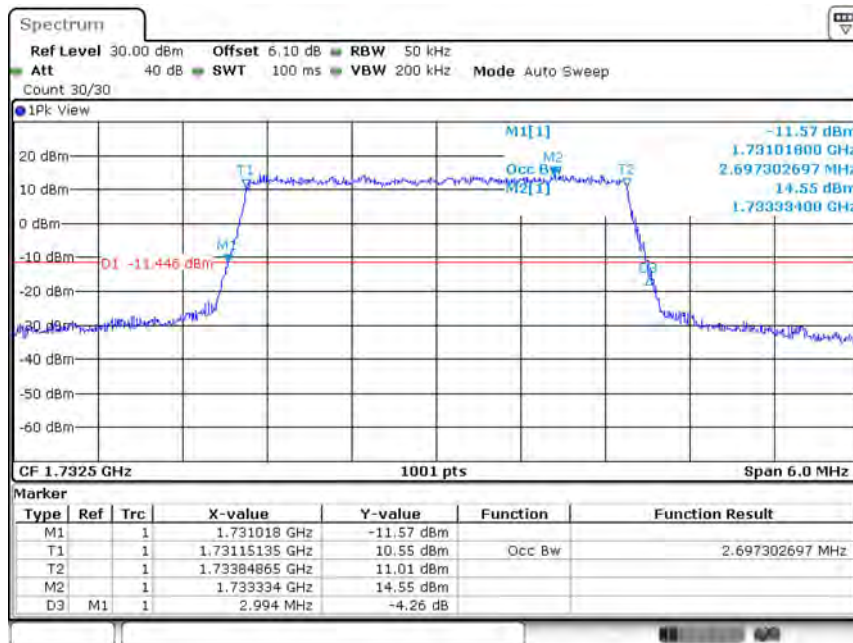
Date: 12 AUG 2020 23:04:43



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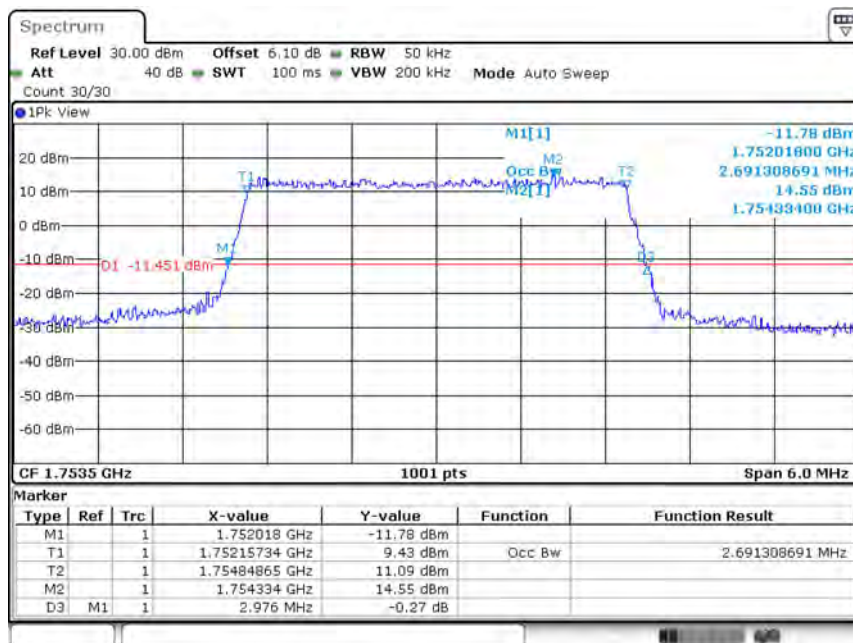


Band4-3MHz-QPSK-20175-15RB#0-2.697



Date: 12 AUG 2020 23:05:03

Band4-3MHz-QPSK-20385-15RB#0-2.691



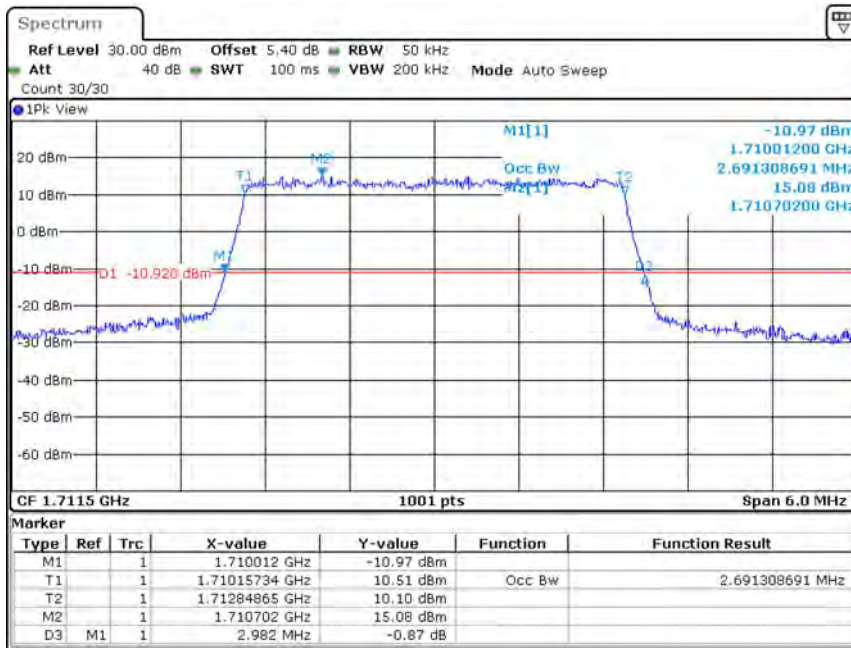
Date: 12 AUG 2020 23:05:22



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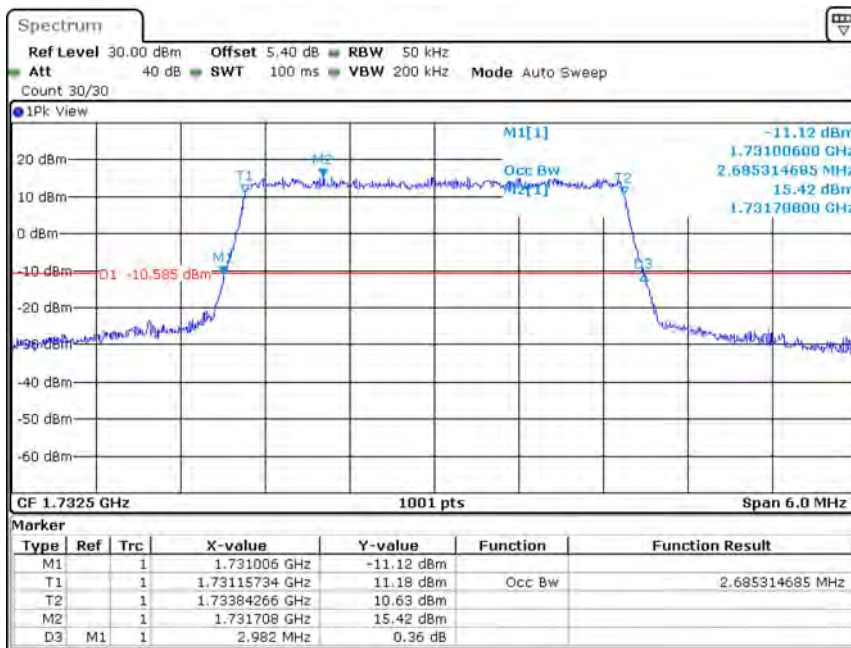


Band4-3MHz-64QAM-19965-15RB#0-2.691



Date: 28.AUG 2020 16:19:43

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



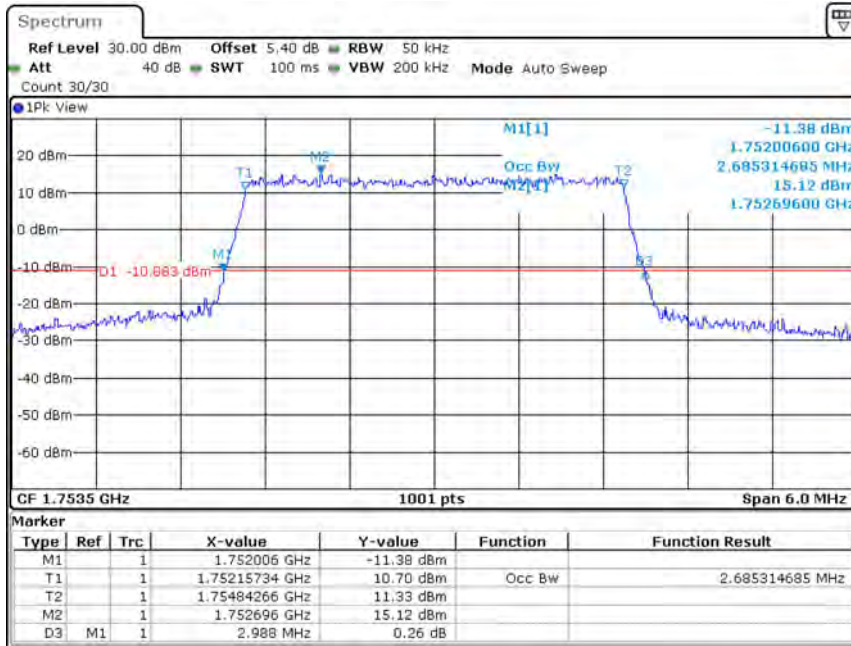
Date: 28.AUG 2020 16:19:56



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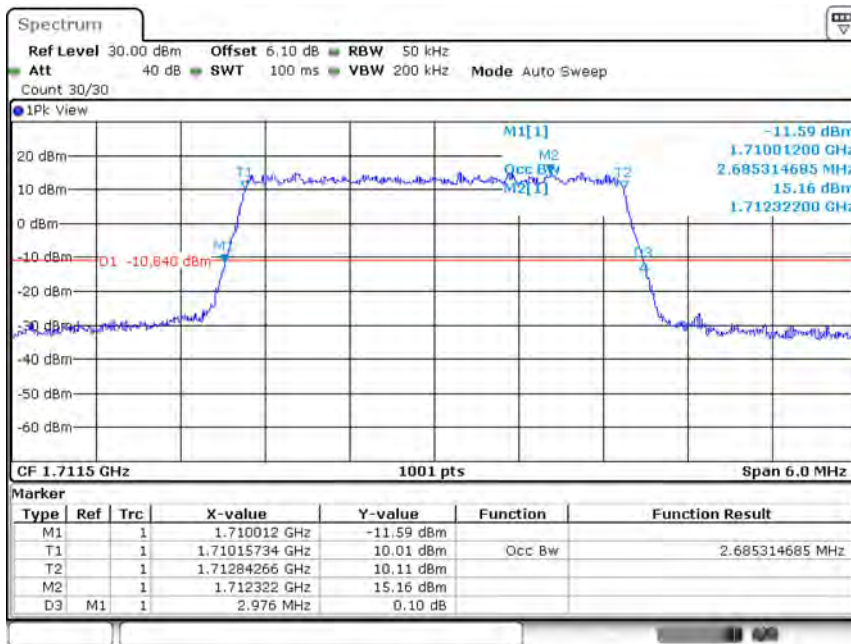


Band4-3MHz-64QAM-20385-15RB#0-2.685



Date: 28.AUG 2020 16:20:09

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



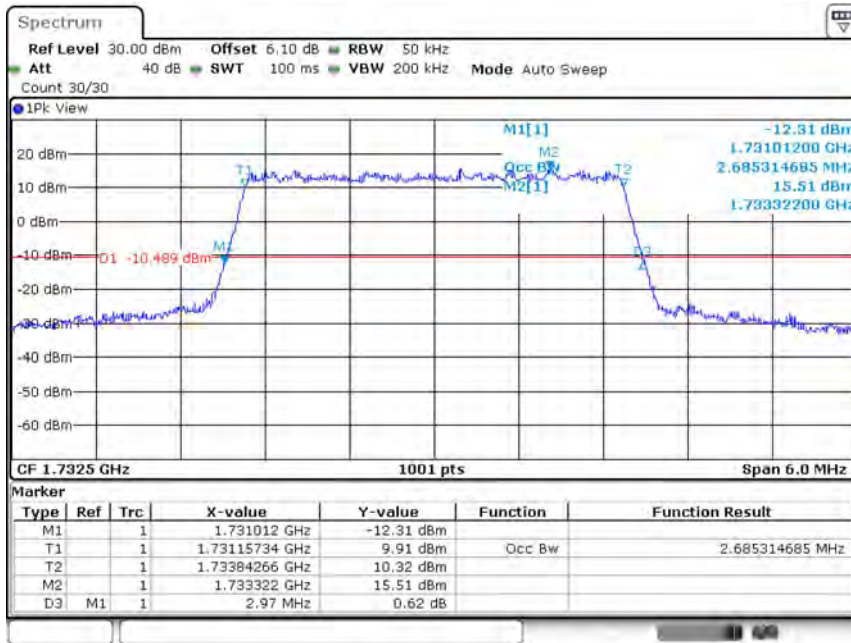
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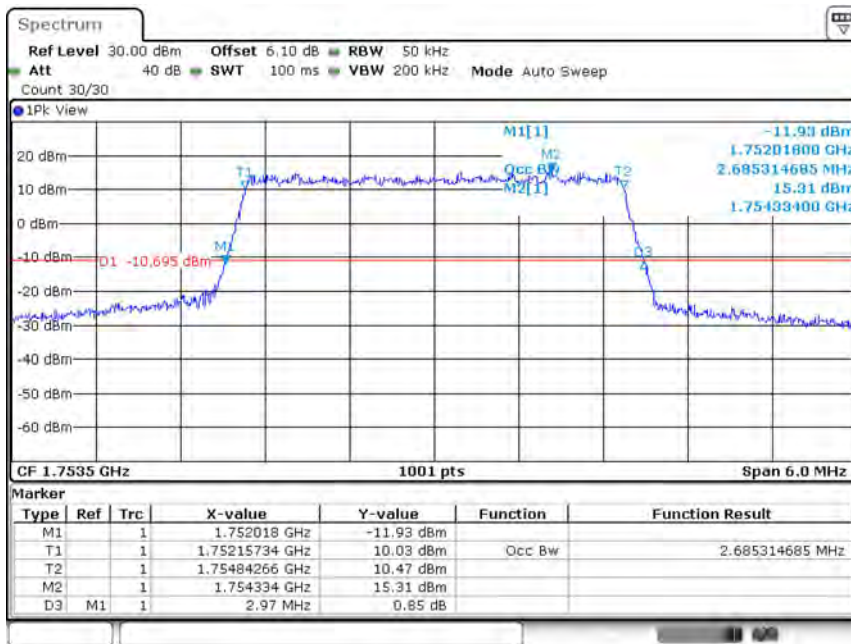


Band4-3MHz-16QAM-20175-15RB#0-2.685



Date: 12 AUG 2020 23:05:12

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



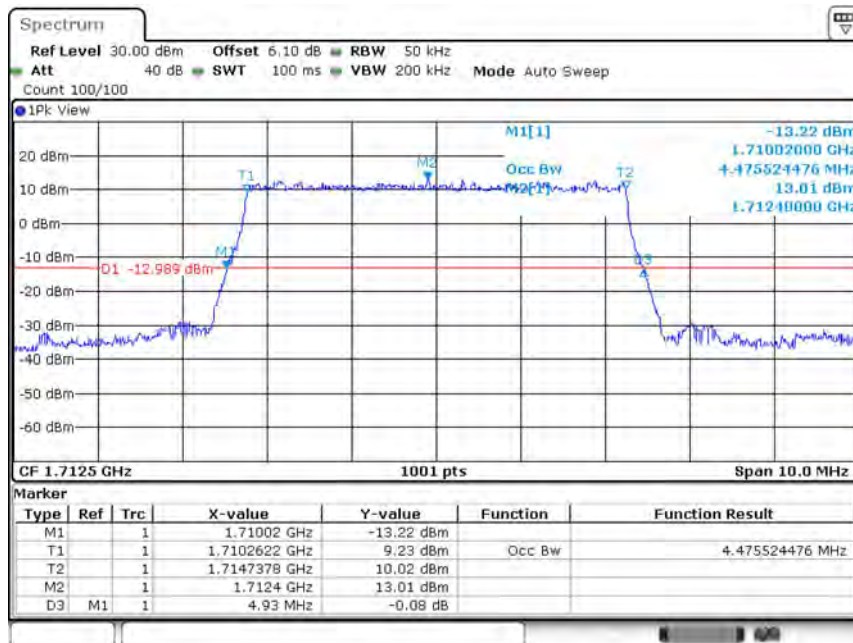
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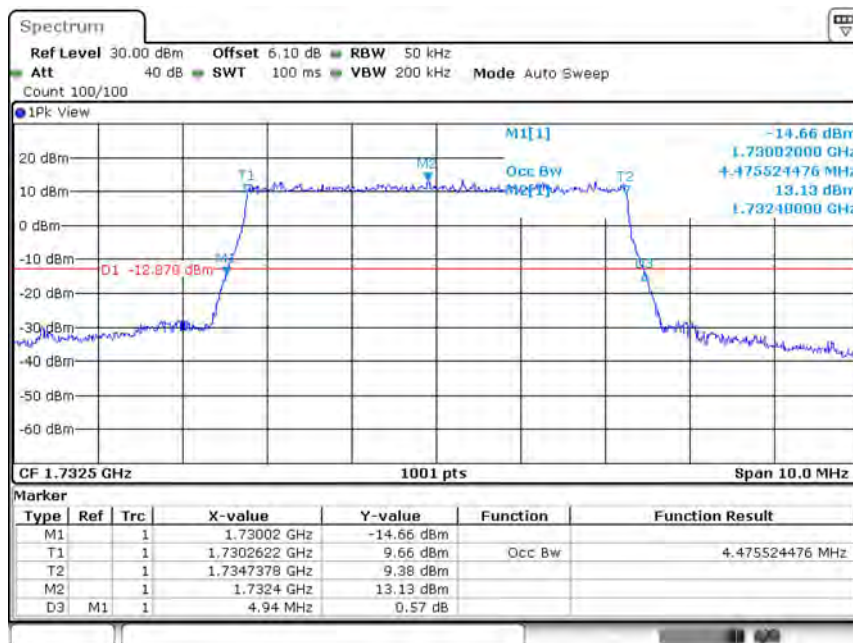


Band4-5MHz-QPSK-19975-25RB#0-4.476



Date: 12 AUG 2020 23:05:51

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



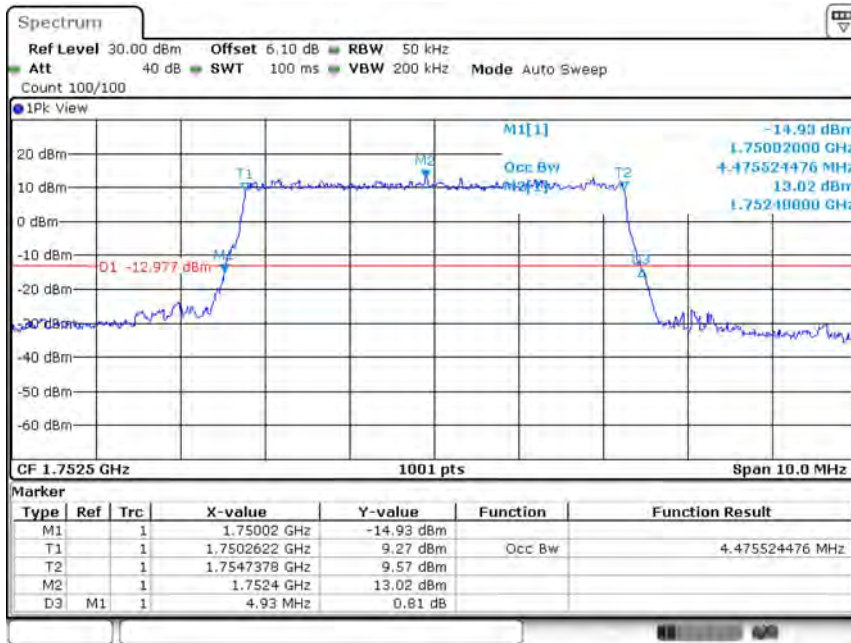
Date: 12 AUG 2020 23:06:25



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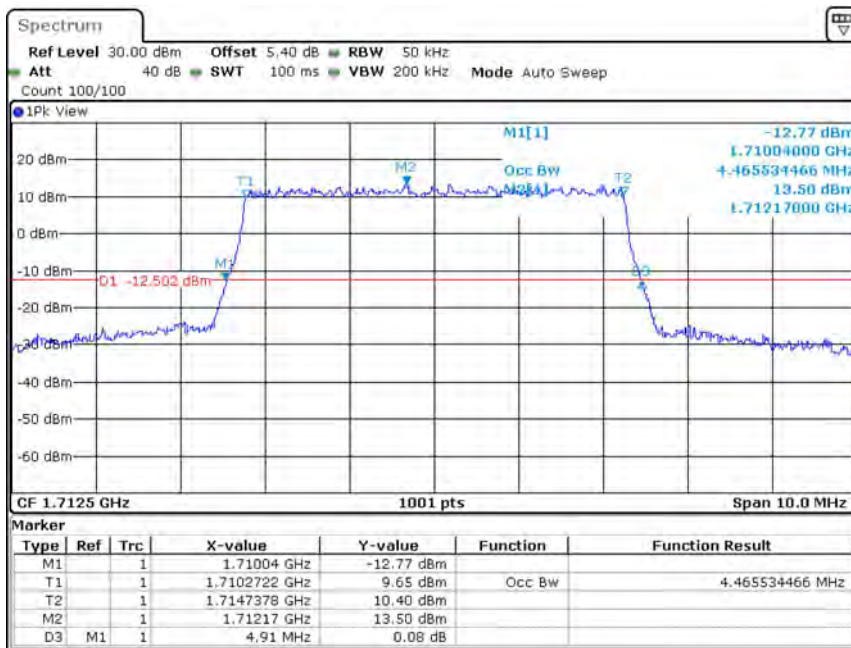


Band4-5MHz-QPSK-20375-25RB#0-4.476



Date: 12 AUG 2020 23:06:58

Band4-5MHz-64QAM-19975-25RB#0-4.466



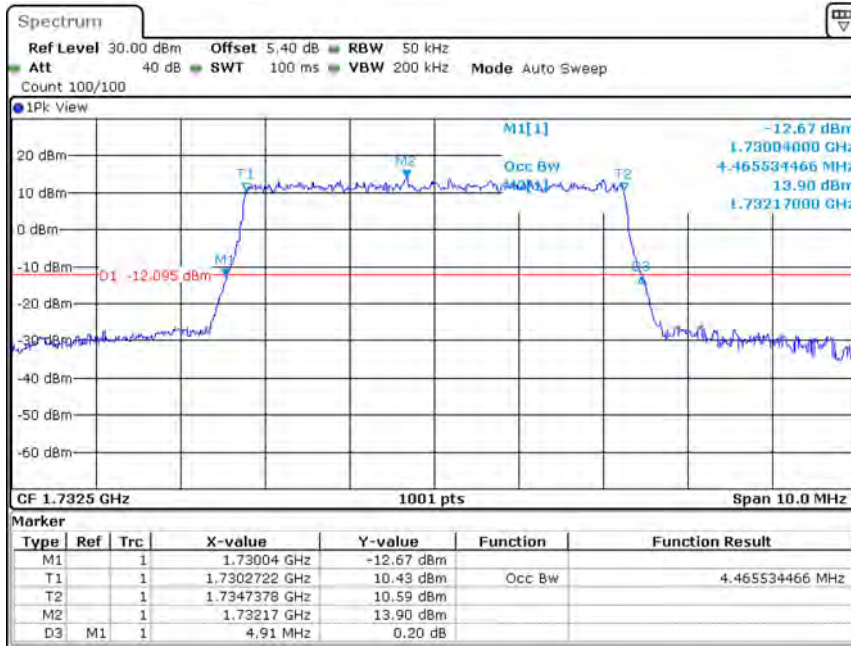
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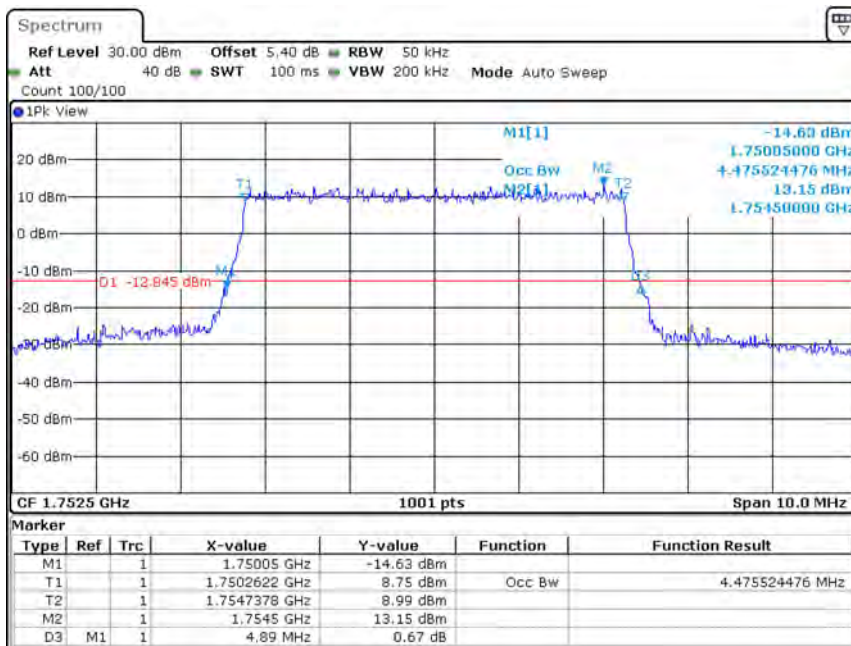


Band4-5MHz-64QAM-20175-25RB#0-4.466



Date: 28.AUG.2020 16:20:56

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



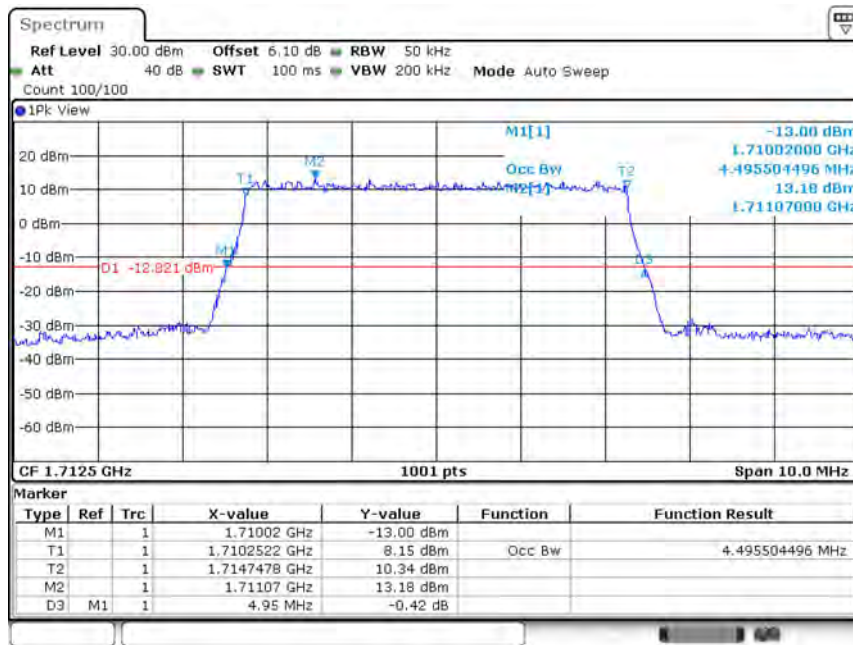
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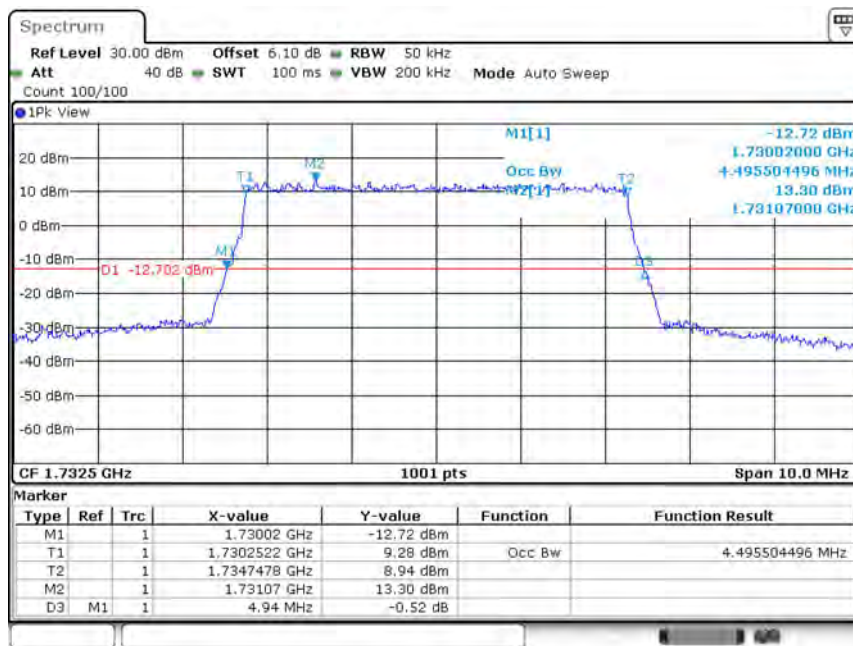


Band4-5MHz-16QAM-19975-25RB#0-4.496



Date: 12.AUG.2020 23:06:07

Band4-5MHz-16QAM-20175-25RB#0-4.496



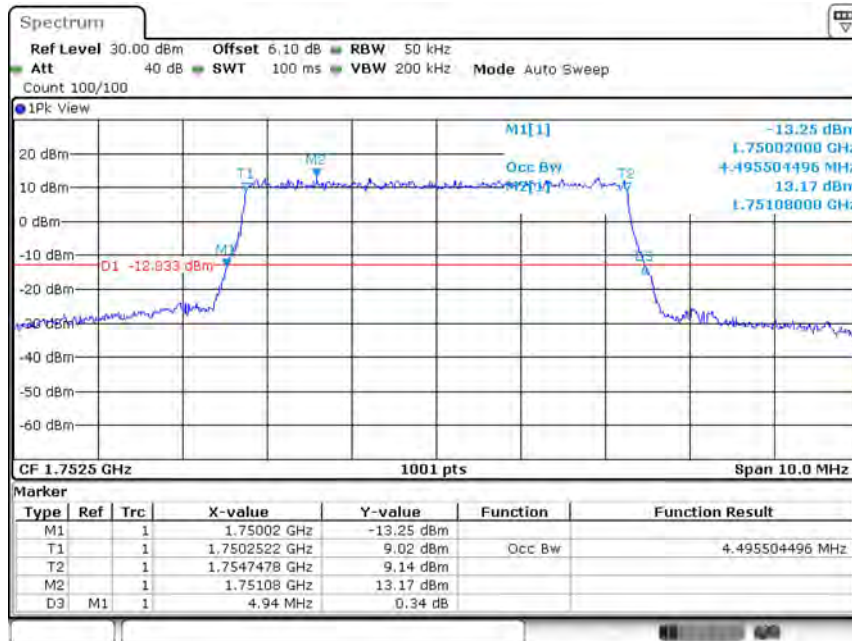
Date: 12.AUG.2020 23:06:41



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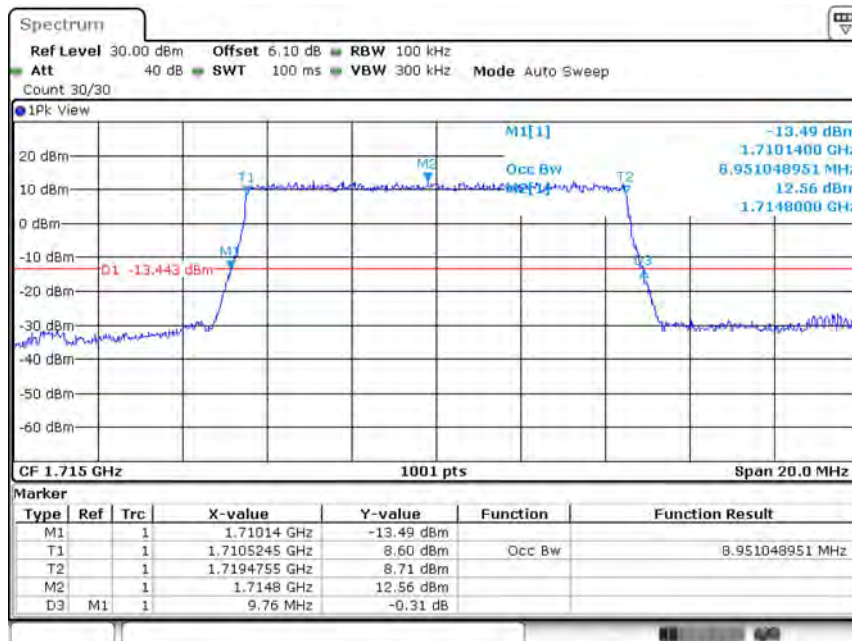


Band4-5MHz-16QAM-20375-25RB#0-4.496



Date: 12 AUG 2020 23:07:15

Band4-10MHz-QPSK-20000-50RB#0-8.951



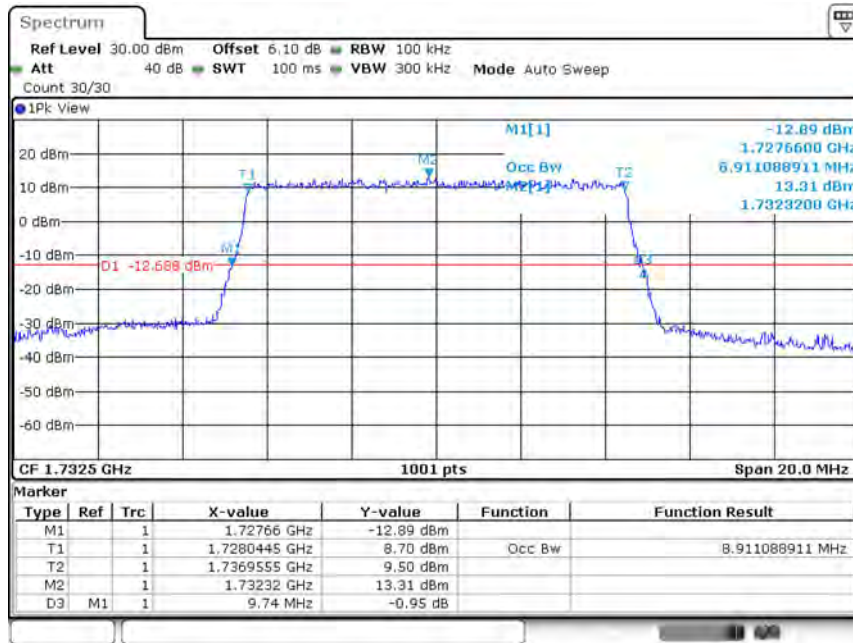
Date: 12 AUG 2020 23:07:26



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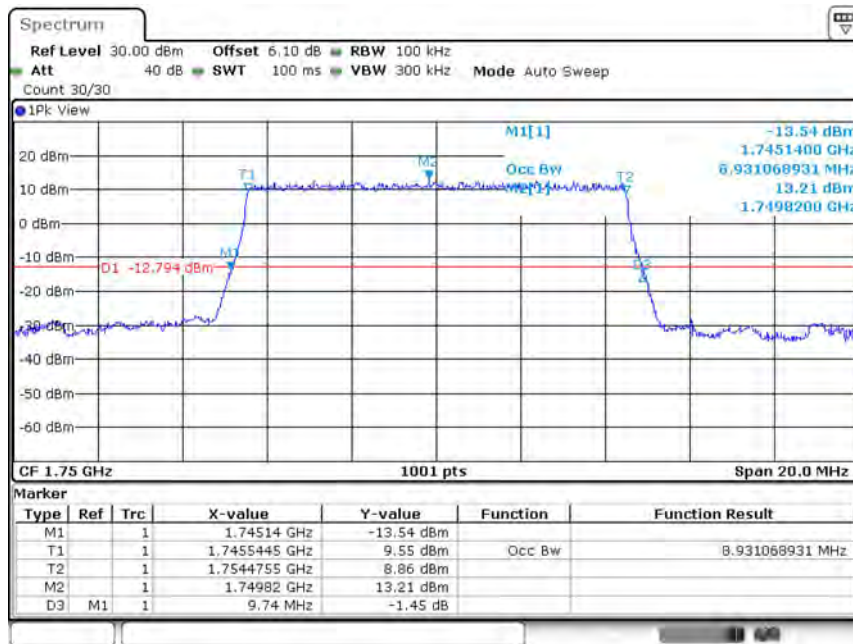


Band4-10MHz-QPSK-20175-50RB#0-8.911



Date: 12.AUG.2020 23:07:46

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



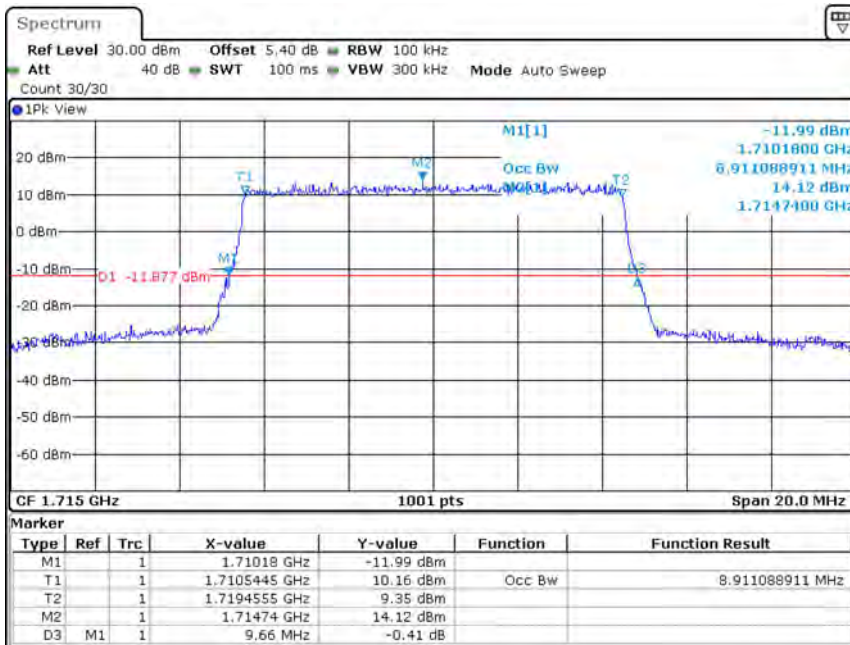
Date: 12.AUG.2020 23:08:07



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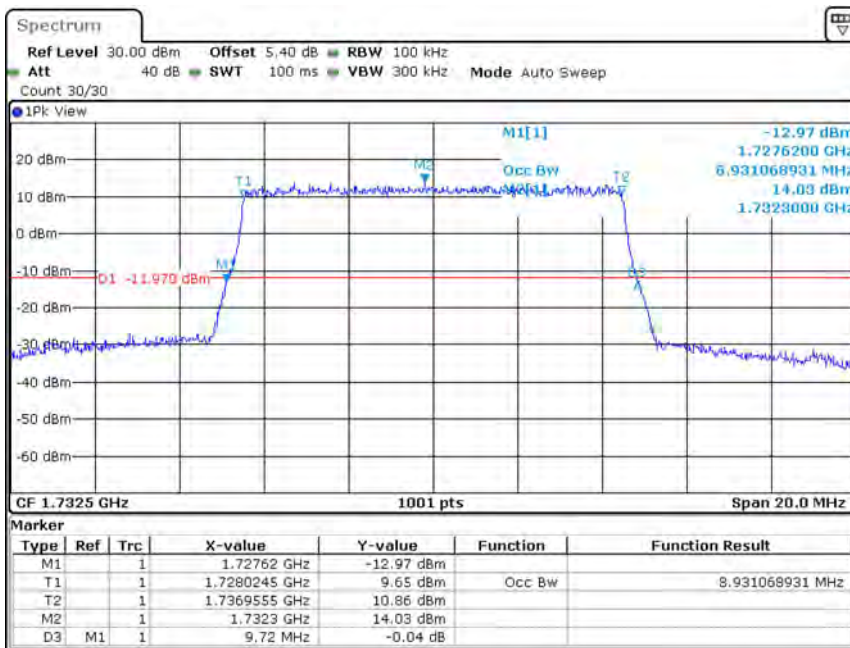


Band4-10MHz-64QAM-2000-50RB#0-8.911



Date: 28.AUG.2020 16:21:36

Band4-10MHz-64QAM-20175-50RB#0-8.931



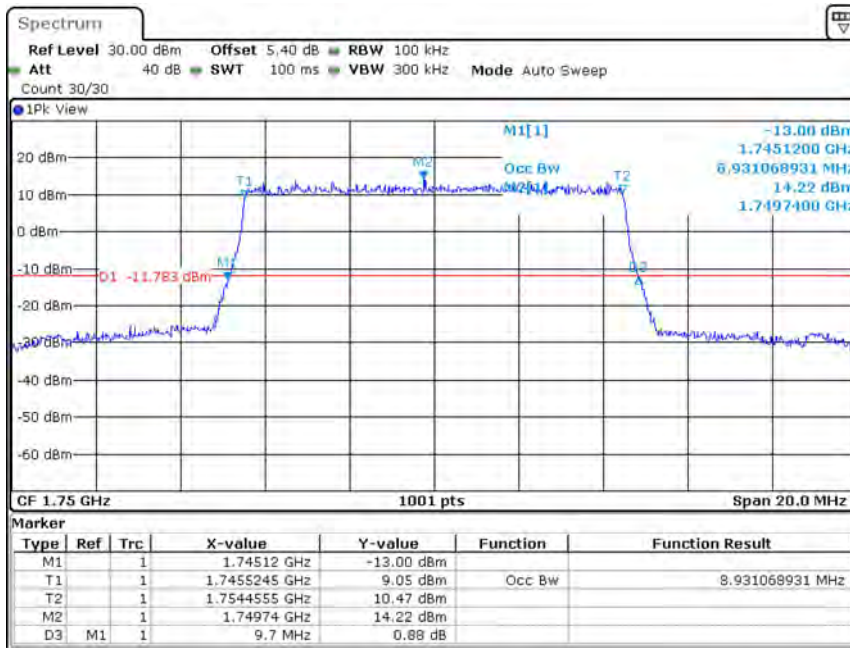
Date: 28.AUG.2020 16:21:49



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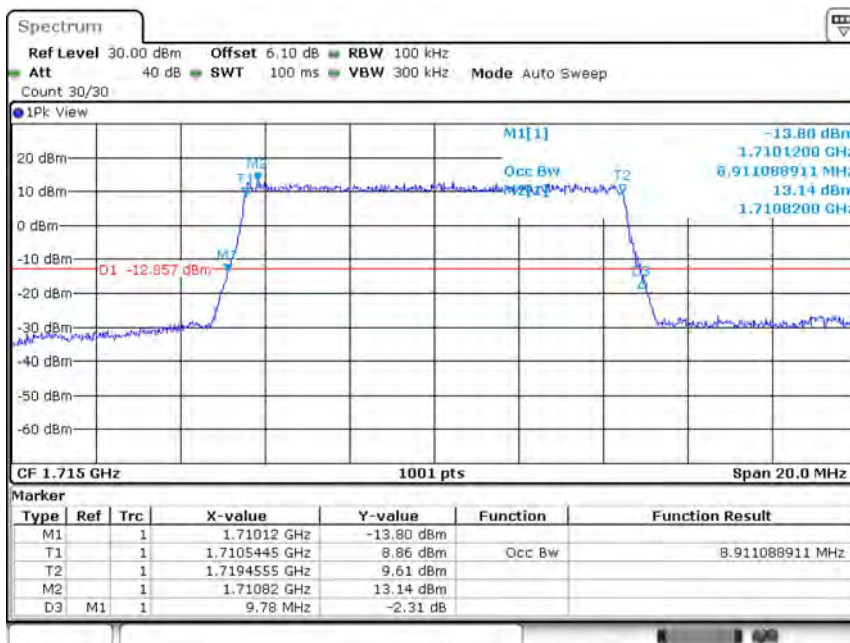


Band4-10MHz-64QAM-20350-50RB#0-8.931



Date: 28.AUG.2020 16:22:02

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



Date: 12.AUG.2020 23:07:36



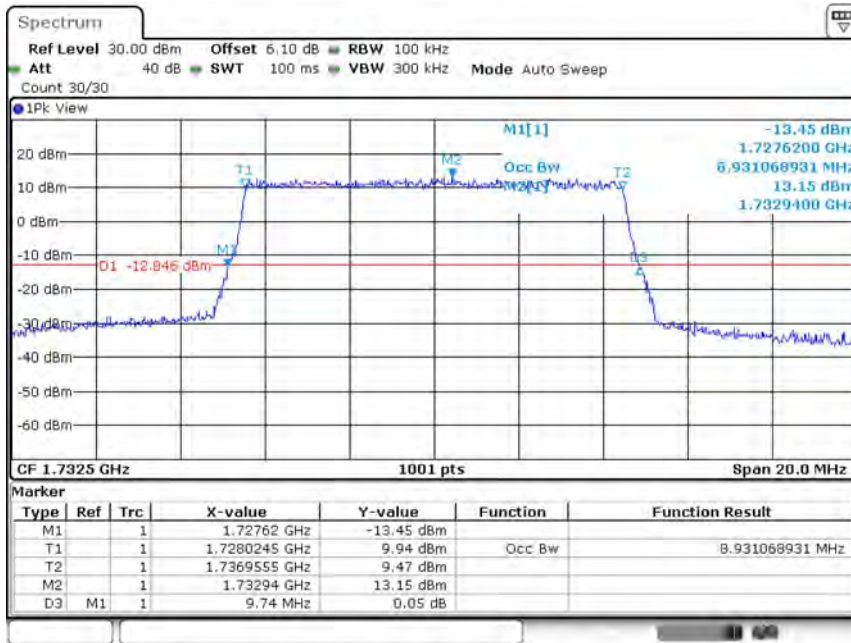
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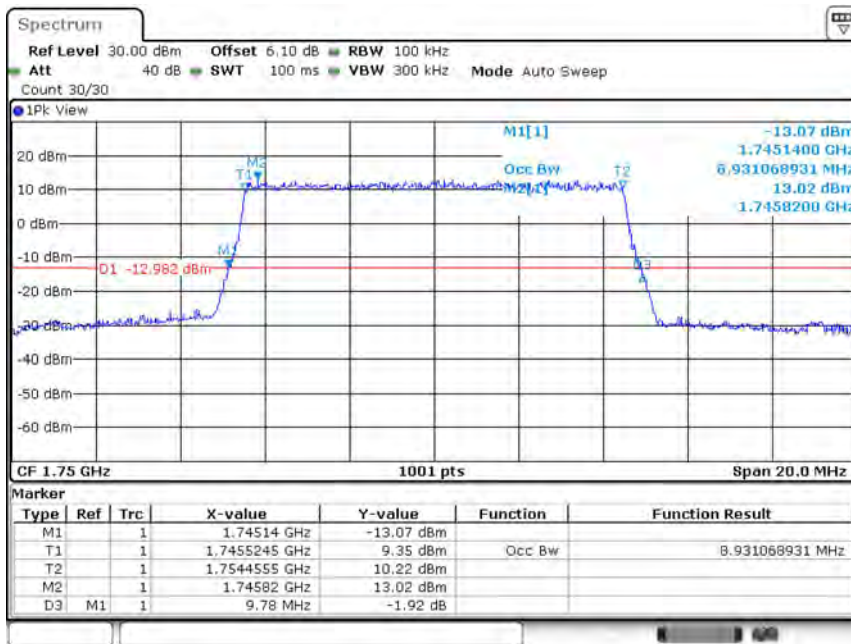


Band4-10MHz-16QAM-20175-50RB#0-8.931



Date: 12 AUG 2020 23:07:55

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



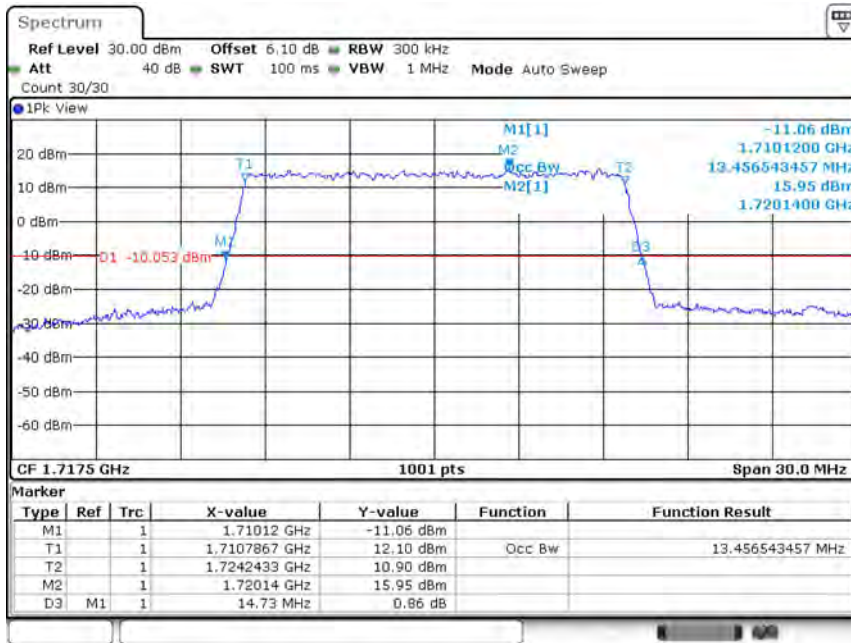
Date: 12 AUG 2020 23:08:16



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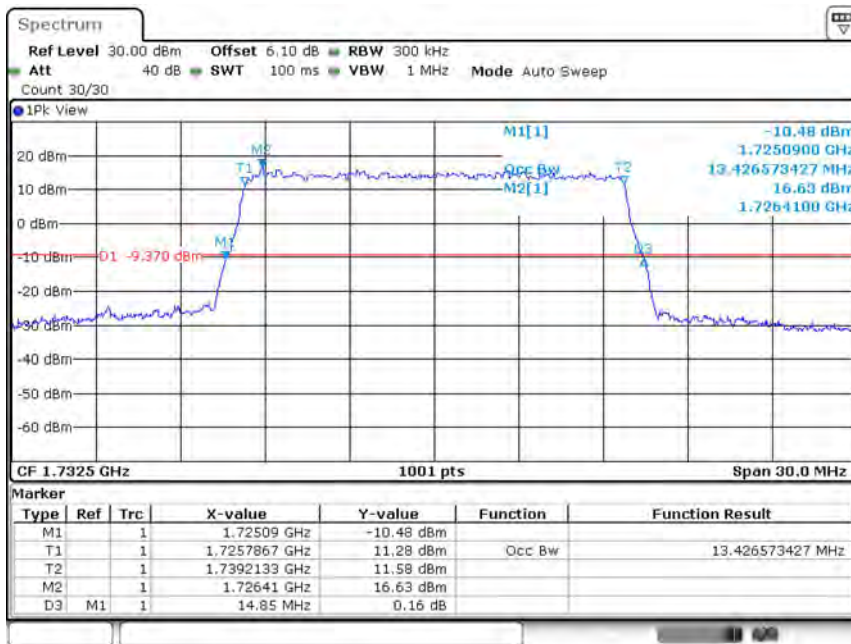


Band4-15MHz-QPSK-20025-75RB#0-13.457



Date: 12 AUG 2020 23:08:28

Band4-15MHz-QPSK-20175-75RB#0-13.427



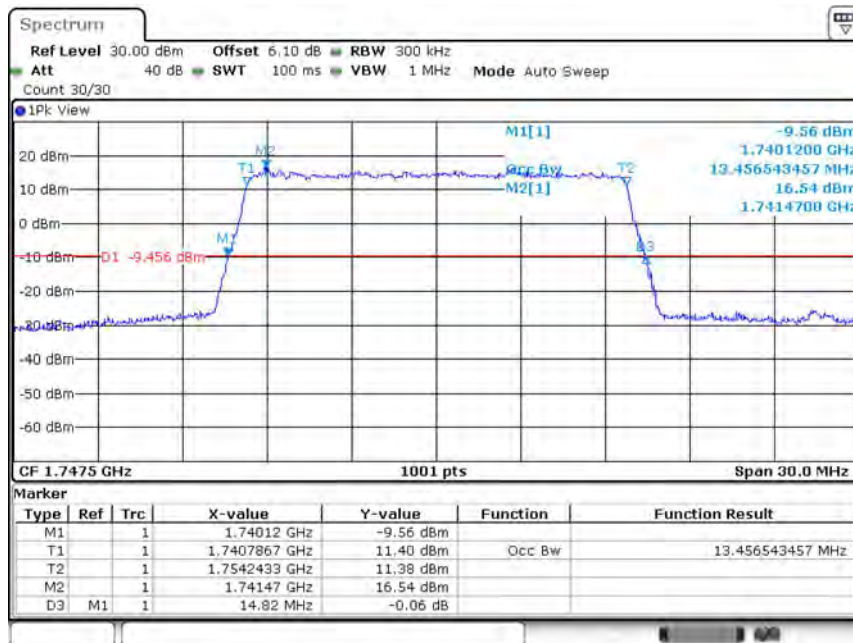
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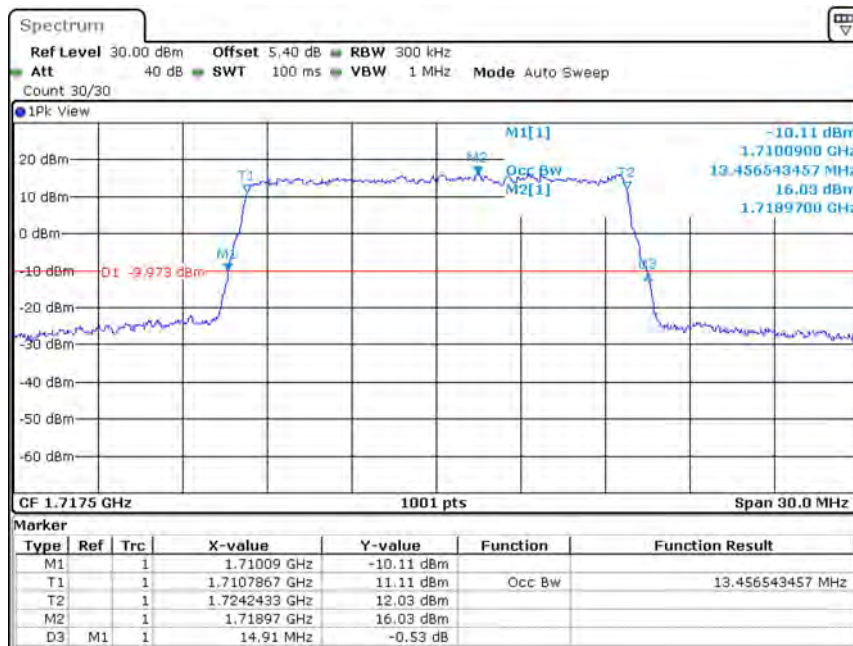


Band4-15MHz-QPSK-20325-75RB#0-13.457



Date: 12 AUG 2020 23:09:07

Band4-15MHz-64QAM-20025-75RB#0-13.457



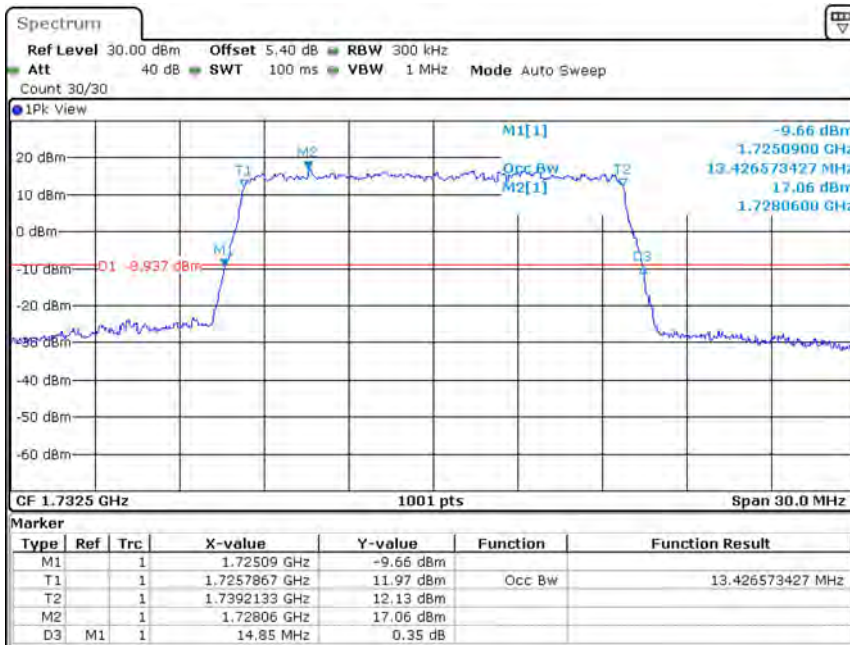
Date: 28 AUG 2020 16:22:21



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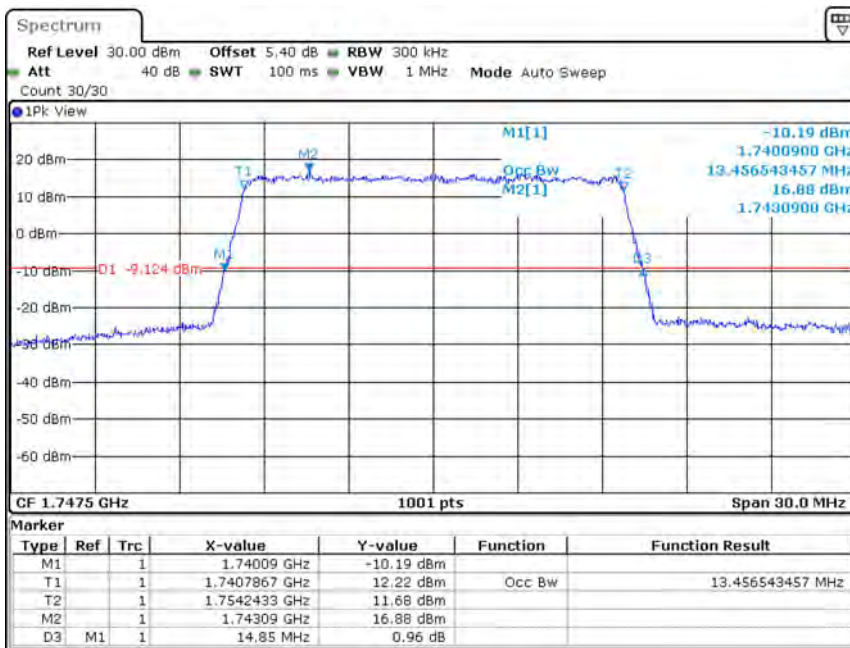


Band4-15MHz-64QAM-20175-75RB#0-13.427



Date: 28.AUG.2020 16:22:34

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



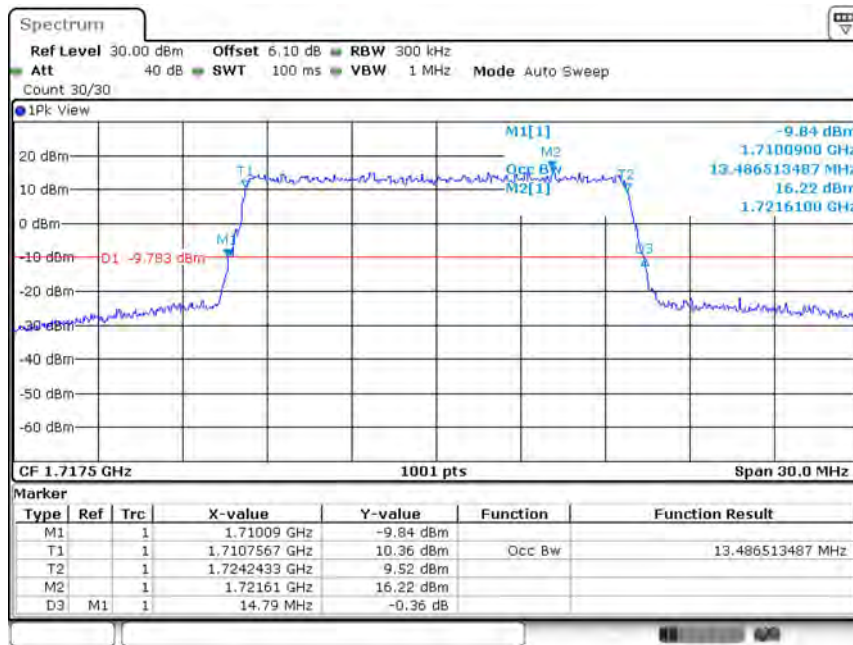
Date: 28.AUG.2020 16:22:47



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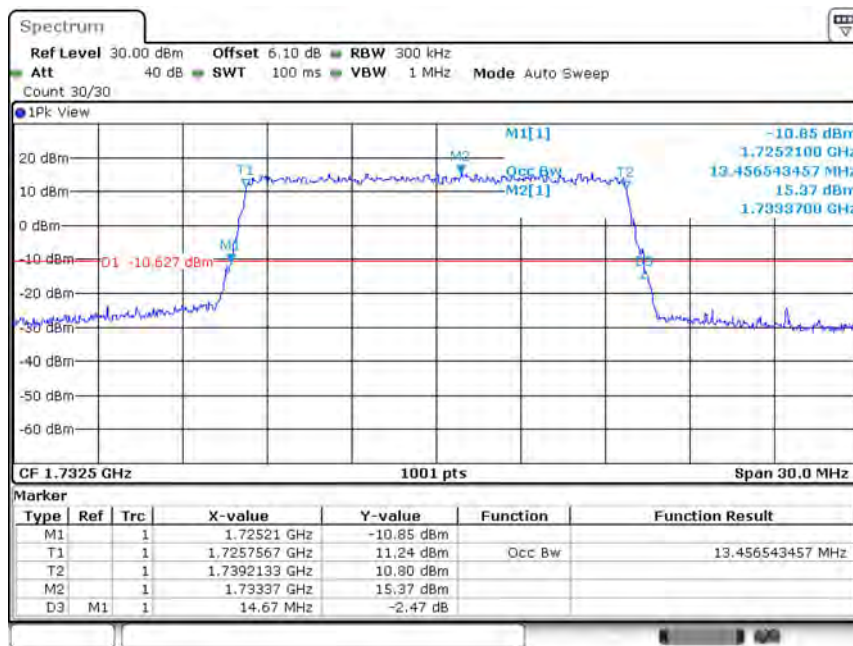


Band4-15MHz-16QAM-20025-75RB#0-13.487



Date: 12 AUG 2020 23:08:38

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



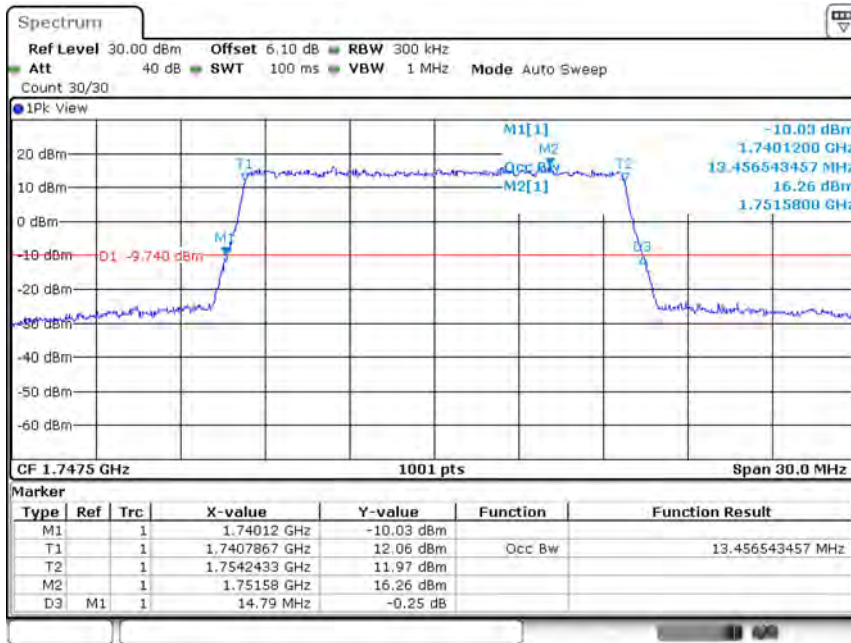
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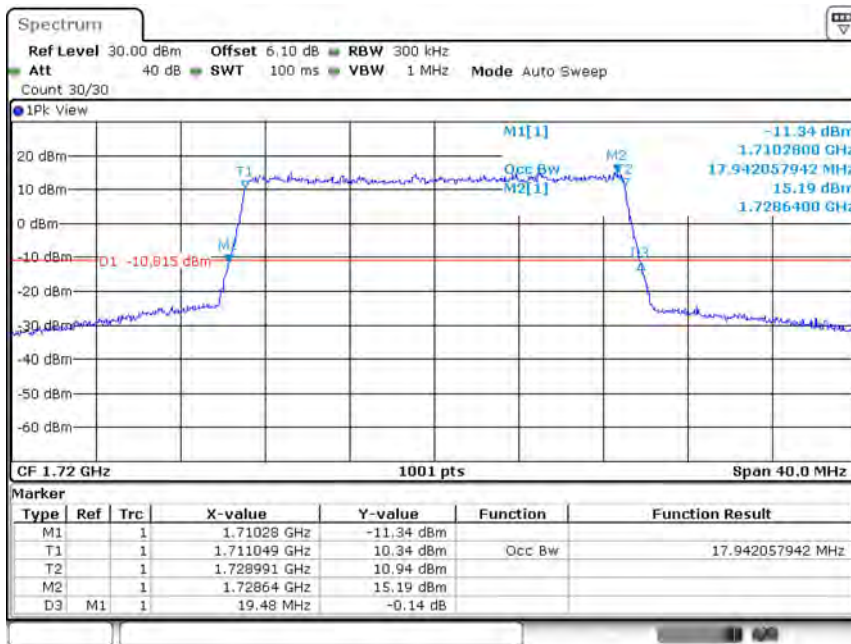


Band4-15MHz-16QAM-20325-75RB#0-13.457



Date: 12 AUG 2020 23:09:17

Band4-20MHz-QPSK-20050-100RB#0-17.942



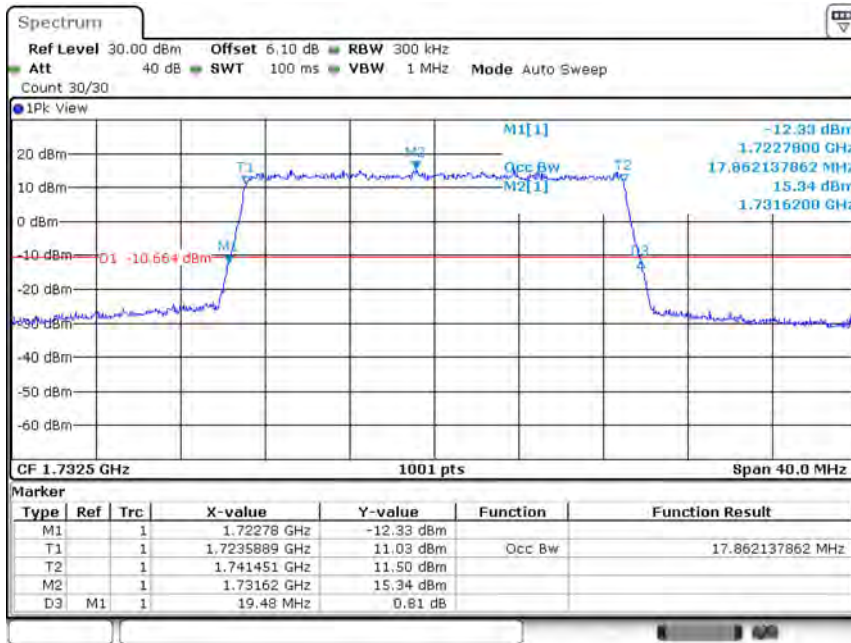
Date: 12 AUG 2020 23:09:28



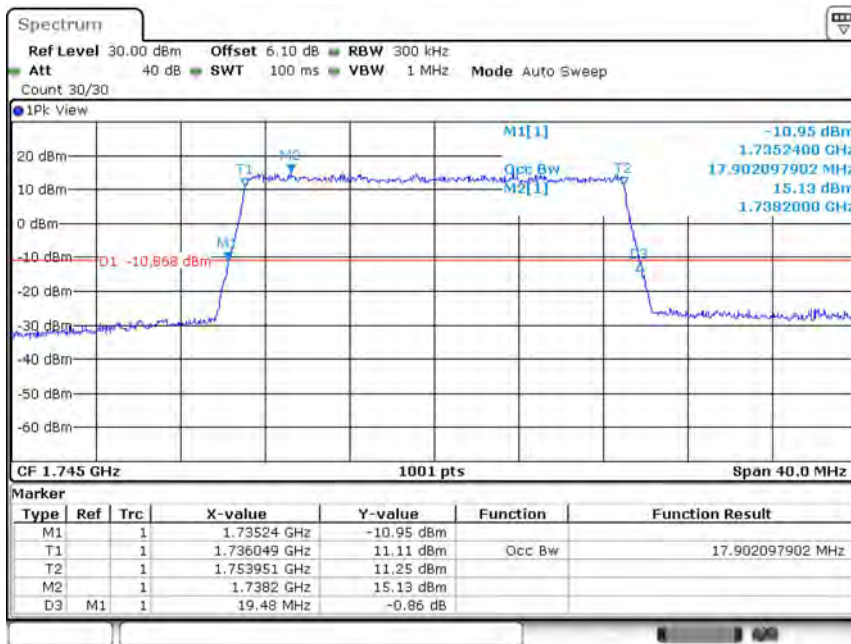
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Band4-20MHz-QPSK-20175-100RB#0-17.862



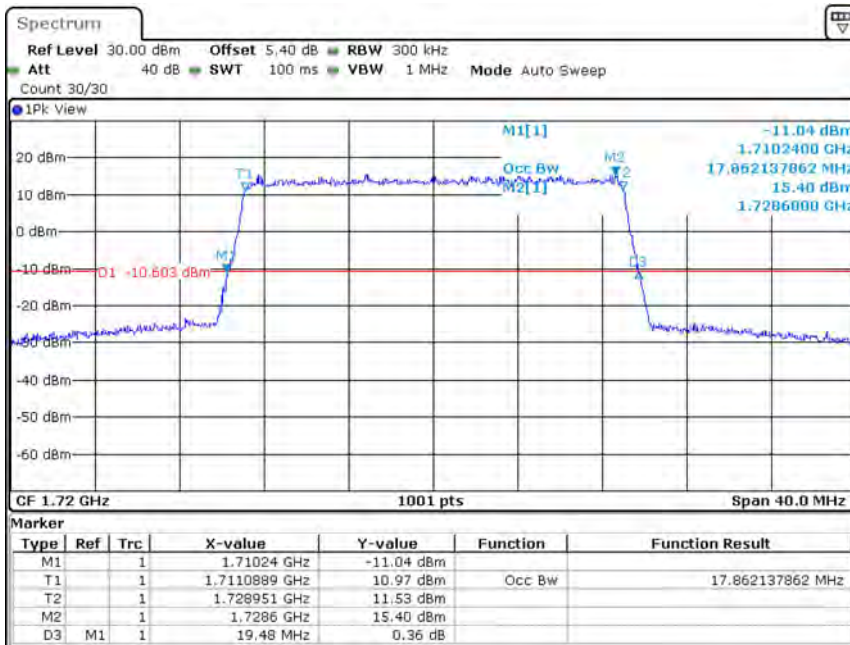
Band4-20MHz-QPSK-20300-100RB#0-17.902



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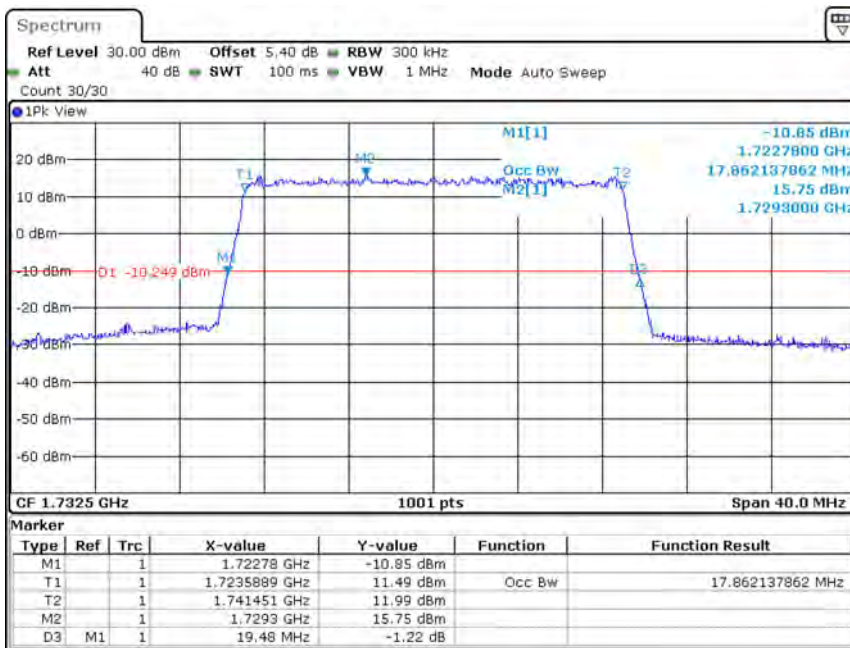


Band4-20MHz-64QAM-20050-100RB#0-17.862



Date: 28.AUG.2020 16:23:07

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



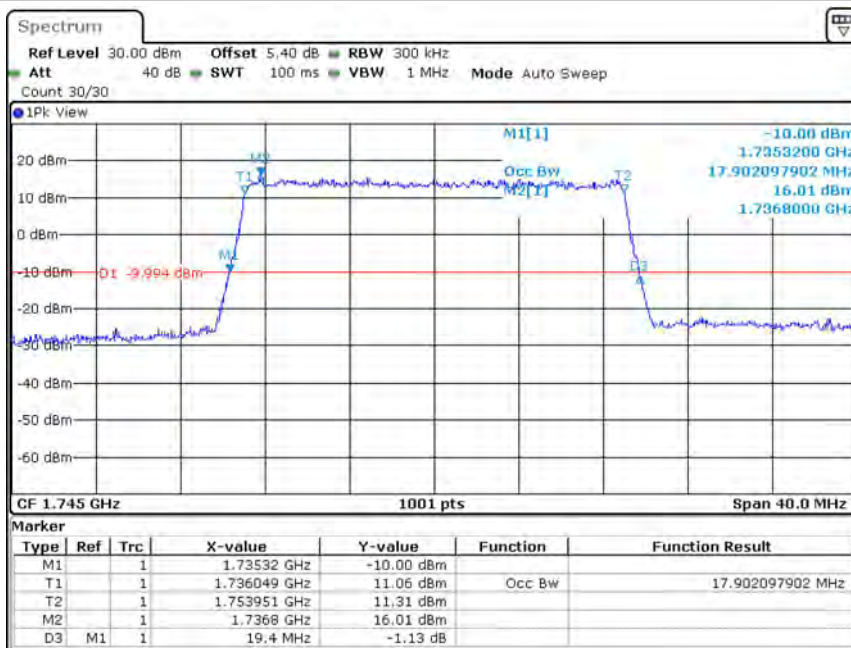
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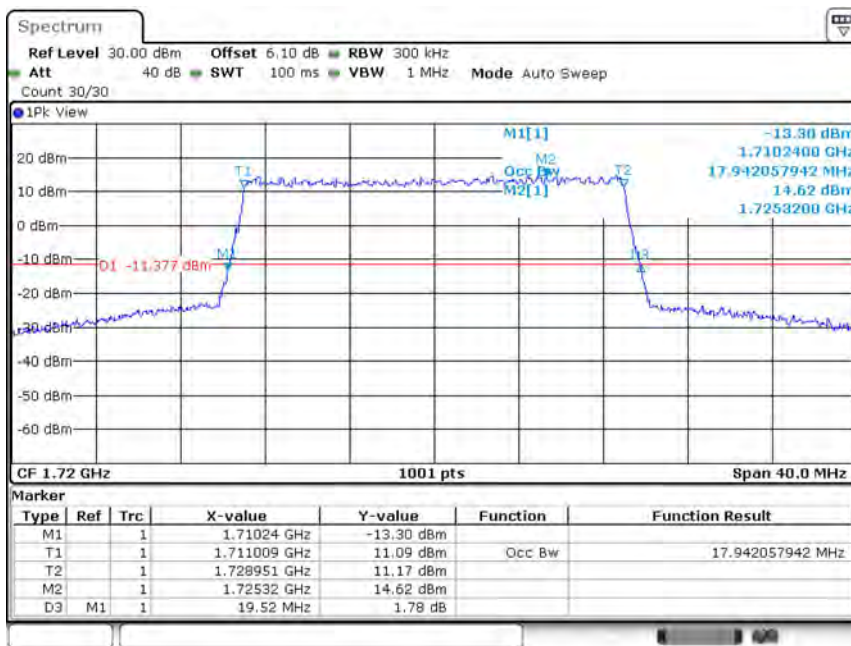


Band4-20MHz-64QAM-20300-100RB#0-17.902



Date: 28 AUG 2020 16:23:33

Band4-20MHz-16QAM-20050-100RB#0-17.942



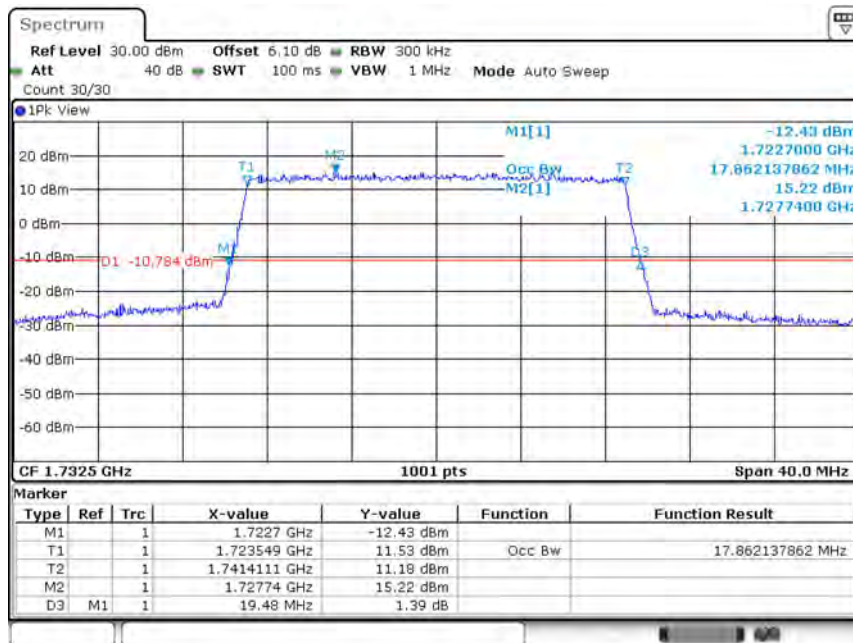
Date: 12 AUG 2020 23:09:38



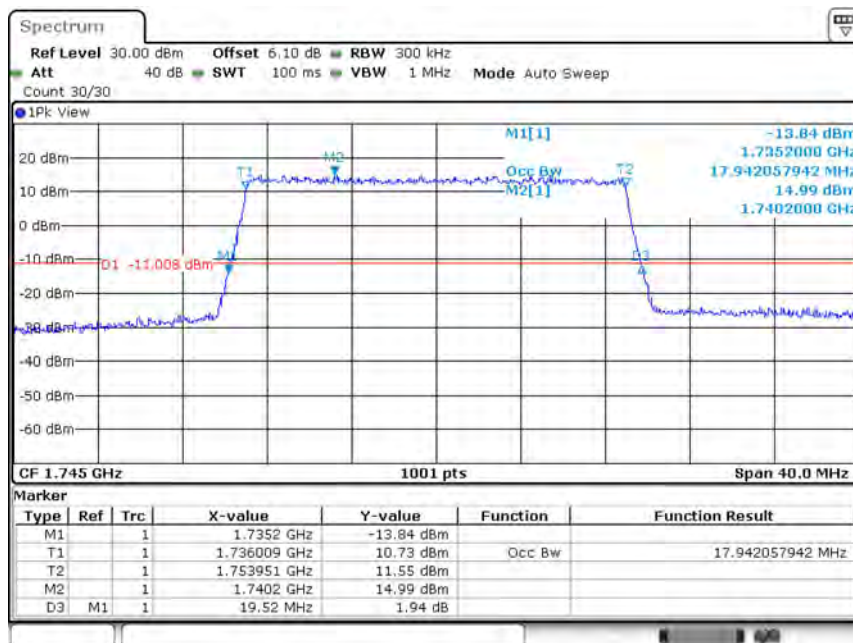
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Band4-20MHz-16QAM-20175-100RB#0-17.862



Band4-20MHz-16QAM-20300-100RB#0-17.942



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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	-26.13	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	-29.32	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	-26.27	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	-27.70	PASS
Band4	1.4MHz	64QAM	19957	1RB#0	-24.58	PASS
Band4	1.4MHz	64QAM	19957	6RB#0	-26.42	PASS
Band4	1.4MHz	64QAM	20393	1RB#5	-23.38	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	-27.28	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	-25.23	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	-27.86	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	-25.46	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	-28.25	PASS
Band4	3MHz	QPSK	19965	1RB#0	-25.15	PASS
Band4	3MHz	QPSK	19965	15RB#0	-30.56	PASS
Band4	3MHz	QPSK	20385	1RB#14	-25.13	PASS
Band4	3MHz	QPSK	20385	15RB#0	-28.85	PASS
Band4	3MHz	64QAM	19965	1RB#0	-22.93	PASS
Band4	3MHz	64QAM	19965	15RB#0	-29.06	PASS
Band4	3MHz	64QAM	20385	1RB#14	-22.33	PASS
Band4	3MHz	64QAM	20385	15RB#0	-28.60	PASS
Band4	3MHz	16QAM	19965	1RB#0	-24.08	PASS
Band4	3MHz	16QAM	19965	15RB#0	-30.44	PASS
Band4	3MHz	16QAM	20385	1RB#14	-25.34	PASS
Band4	3MHz	16QAM	20385	15RB#0	-29.46	PASS
Band4	5MHz	QPSK	19975	1RB#0	-24.65	PASS
Band4	5MHz	QPSK	19975	25RB#0	-31.48	PASS
Band4	5MHz	QPSK	20375	1RB#24	-25.43	PASS
Band4	5MHz	QPSK	20375	25RB#0	-30.38	PASS
Band4	5MHz	64QAM	19975	1RB#0	-23.18	PASS
Band4	5MHz	64QAM	19975	25RB#0	-29.36	PASS
Band4	5MHz	64QAM	20375	1RB#24	-22.07	PASS
Band4	5MHz	64QAM	20375	25RB#0	-29.84	PASS



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Band4	5MHz	16QAM	19975	1RB#0	-24.33	PASS
Band4	5MHz	16QAM	19975	25RB#0	-30.60	PASS
Band4	5MHz	16QAM	20375	1RB#24	-24.37	PASS
Band4	5MHz	16QAM	20375	25RB#0	-30.14	PASS
Band4	10MHz	QPSK	20000	1RB#0	-34.14	PASS
Band4	10MHz	QPSK	20000	50RB#0	-34.64	PASS
Band4	10MHz	QPSK	20350	1RB#49	-34.36	PASS
Band4	10MHz	QPSK	20350	50RB#0	-34.58	PASS
Band4	10MHz	64QAM	20000	1RB#0	-32.71	PASS
Band4	10MHz	64QAM	20000	50RB#0	-32.33	PASS
Band4	10MHz	64QAM	20350	1RB#49	-32.37	PASS
Band4	10MHz	64QAM	20350	50RB#0	-32.30	PASS
Band4	10MHz	16QAM	20000	1RB#0	-33.39	PASS
Band4	10MHz	16QAM	20000	50RB#0	-34.37	PASS
Band4	10MHz	16QAM	20350	1RB#49	-34.52	PASS
Band4	10MHz	16QAM	20350	50RB#0	-33.02	PASS
Band4	15MHz	QPSK	20025	1RB#0	-29.19	PASS
Band4	15MHz	QPSK	20025	75RB#0	-34.02	PASS
Band4	15MHz	QPSK	20325	1RB#74	-28.72	PASS
Band4	15MHz	QPSK	20325	75RB#0	-34.92	PASS
Band4	15MHz	64QAM	20025	1RB#0	-27.19	PASS
Band4	15MHz	64QAM	20025	75RB#0	-33.57	PASS
Band4	15MHz	64QAM	20325	1RB#74	-26.18	PASS
Band4	15MHz	64QAM	20325	75RB#0	-33.14	PASS
Band4	15MHz	16QAM	20025	1RB#0	-28.98	PASS
Band4	15MHz	16QAM	20025	75RB#0	-33.40	PASS
Band4	15MHz	16QAM	20325	1RB#74	-26.54	PASS
Band4	15MHz	16QAM	20325	75RB#0	-34.35	PASS
Band4	20MHz	QPSK	20050	1RB#0	-30.27	PASS
Band4	20MHz	QPSK	20050	100RB#0	-32.64	PASS
Band4	20MHz	QPSK	20300	1RB#99	-29.84	PASS
Band4	20MHz	QPSK	20300	100RB#0	-33.98	PASS
Band4	20MHz	64QAM	20050	1RB#0	-28.63	PASS
Band4	20MHz	64QAM	20050	100RB#0	-33.54	PASS
Band4	20MHz	64QAM	20300	1RB#99	-27.94	PASS
Band4	20MHz	64QAM	20300	100RB#0	-32.41	PASS
Band4	20MHz	16QAM	20050	1RB#0	-29.82	PASS
Band4	20MHz	16QAM	20050	100RB#0	-32.00	PASS



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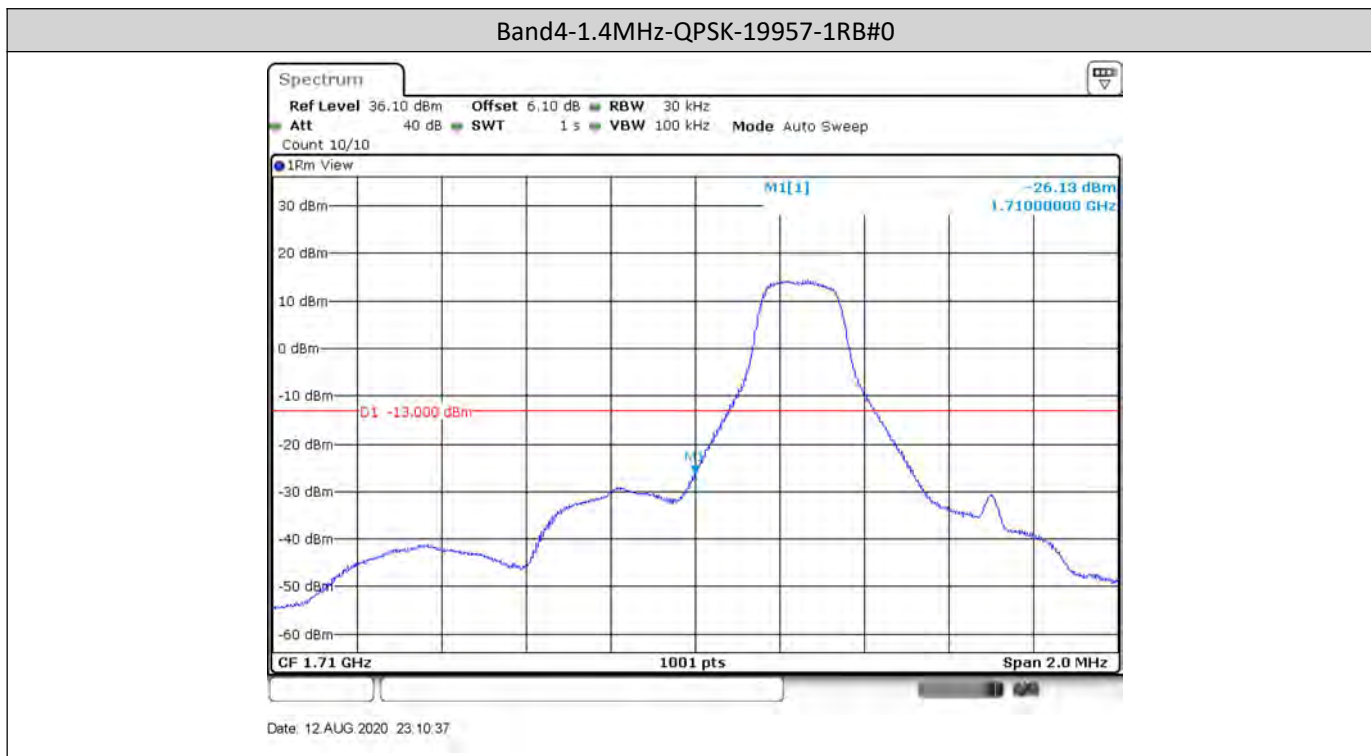
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Band4	20MHz	16QAM	20300	1RB#99	-29.20	PASS
Band4	20MHz	16QAM	20300	100RB#0	-33.23	PASS

5.2. Test Plots

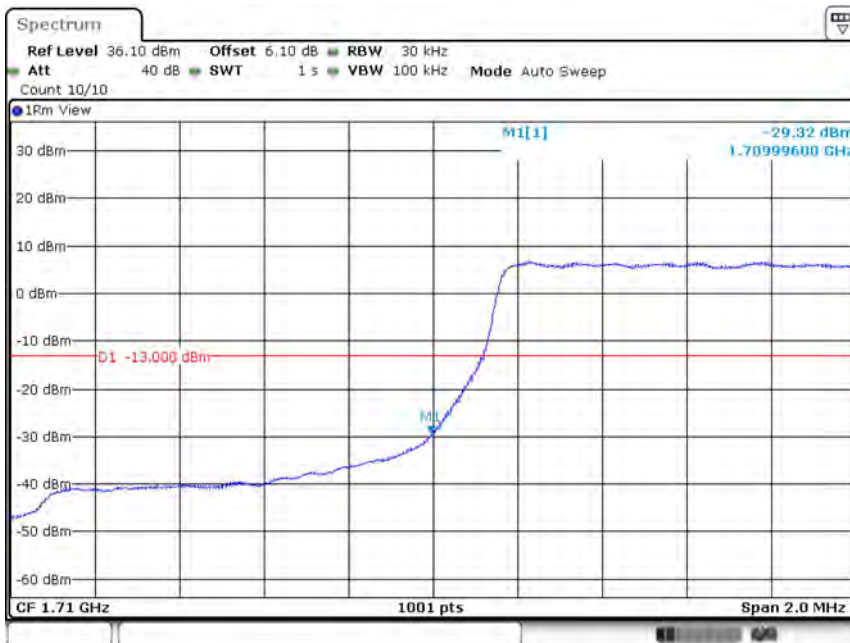


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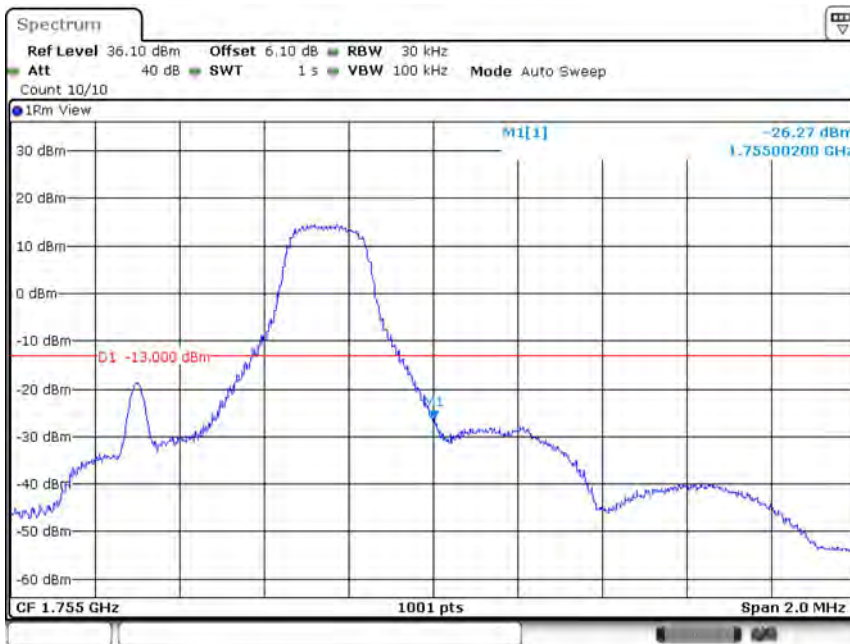


Band4-1.4MHz-QPSK-19957-6RB#0



Date: 12 AUG 2020 23:11:12

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



Date: 12 AUG 2020 23:11:49



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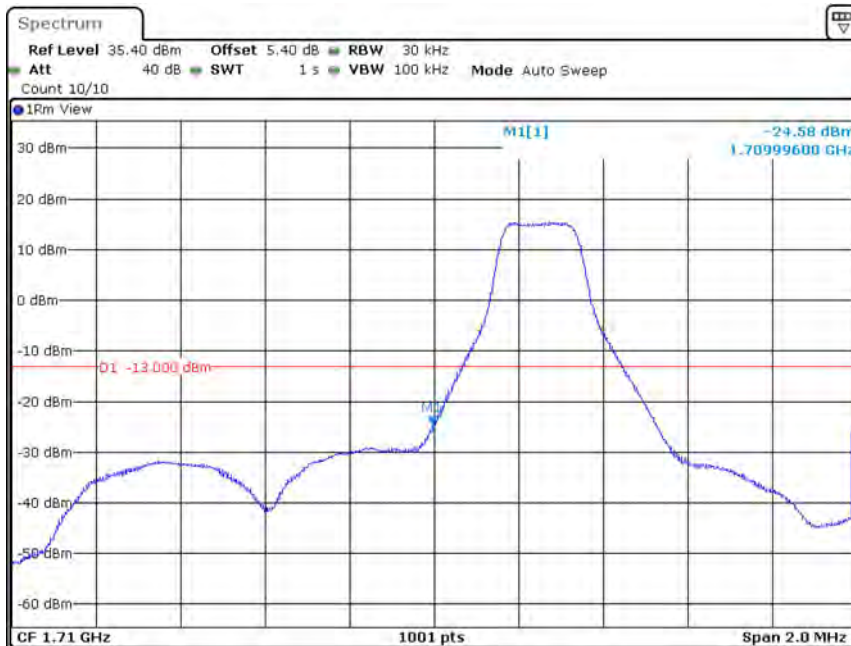


Band4-1.4MHz-QPSK-20393-6RB#0



Date: 12 AUG 2020 23:12:24

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



Date: 28 AUG 2020 16:24:01



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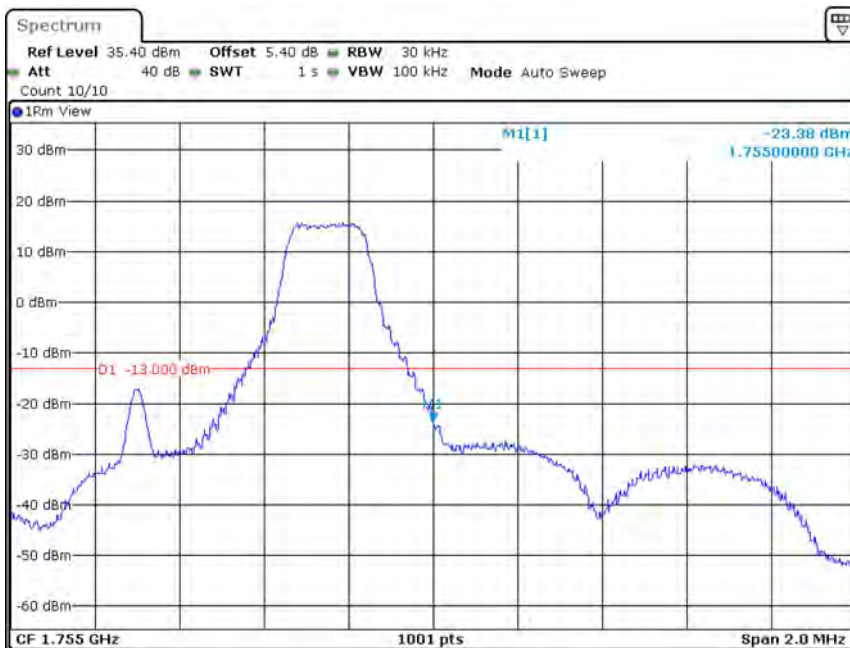


Band4-1.4MHz-64QAM-19957-6RB#0



Date: 28.AUG.2020 16:24:21

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



Date: 28.AUG.2020 16:24:47



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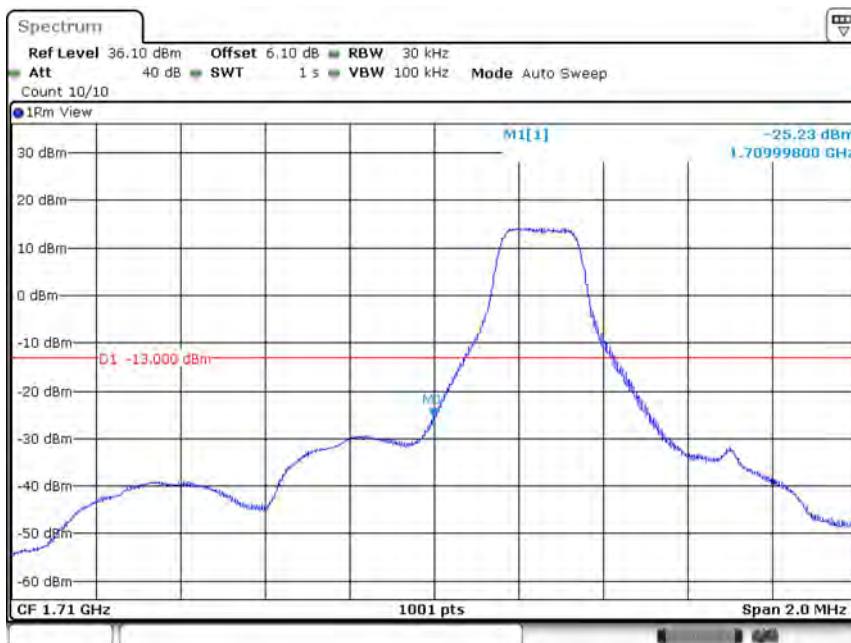


Band4-1.4MHz-64QAM-20393-6RB#0



Date: 28 AUG 2020 16:25:08

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



Date: 12 AUG 2020 23:10:55



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



Date: 12 AUG 2020 23:11:30

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



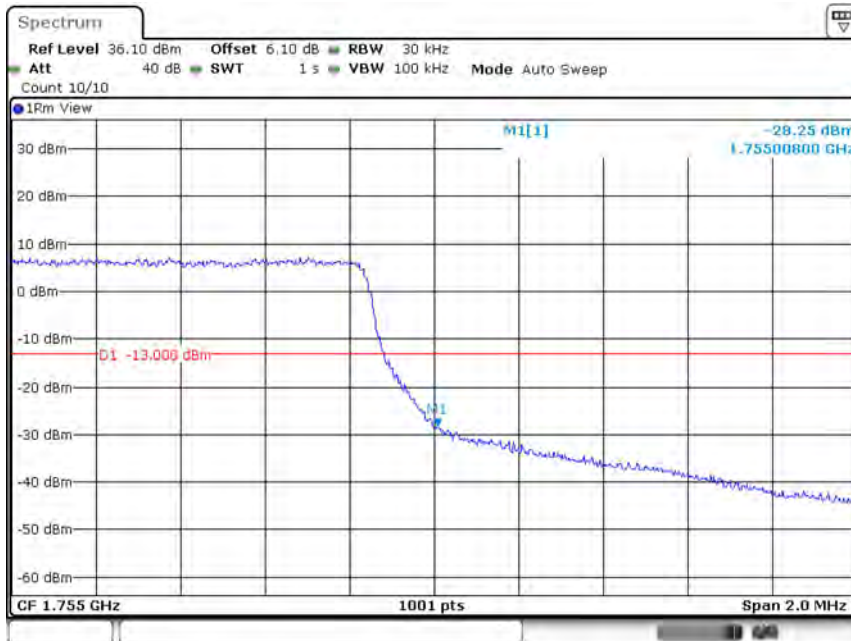
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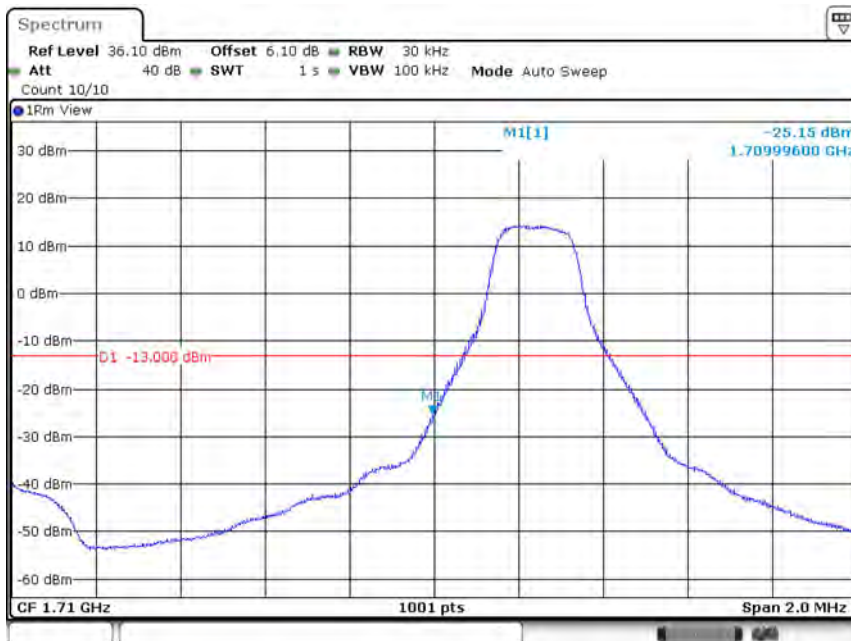


Band4-1.4MHz-16QAM-20393-6RB#0



Date: 12.AUG.2020 23.12.41

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



Date: 12.AUG.2020 23.13.01



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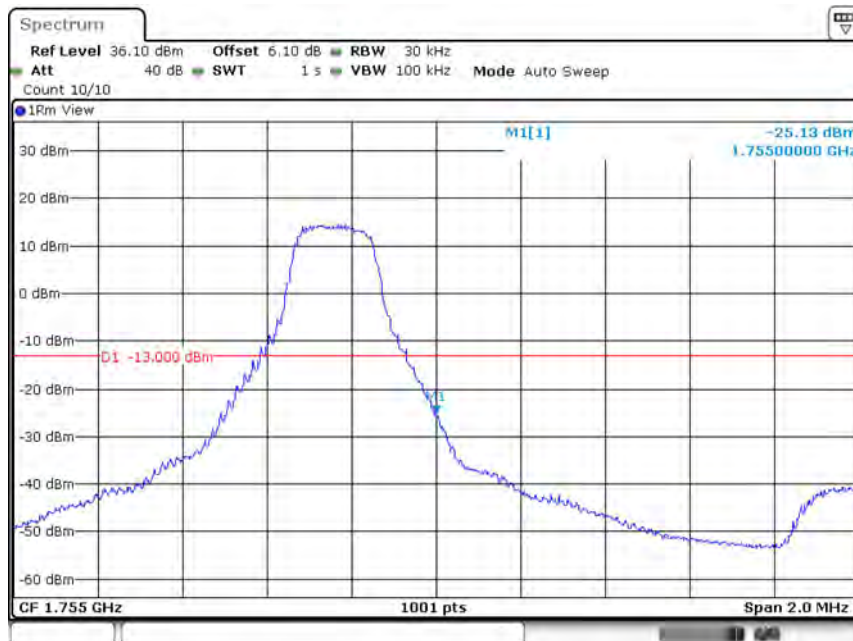


Band4-3MHz-QPSK-19965-15RB#0



Date: 12 AUG 2020 23:13:36

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



Date: 12 AUG 2020 23:14:12



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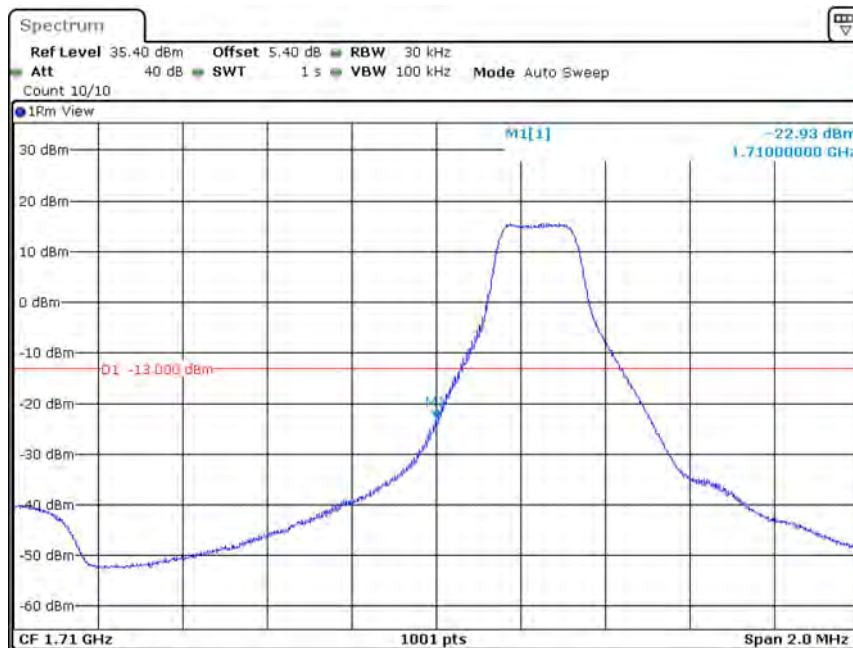


Band4-3MHz-QPSK-20385-15RB#0



Date: 12 AUG 2020 23:14:47

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



Date: 28 AUG 2020 16:25:35



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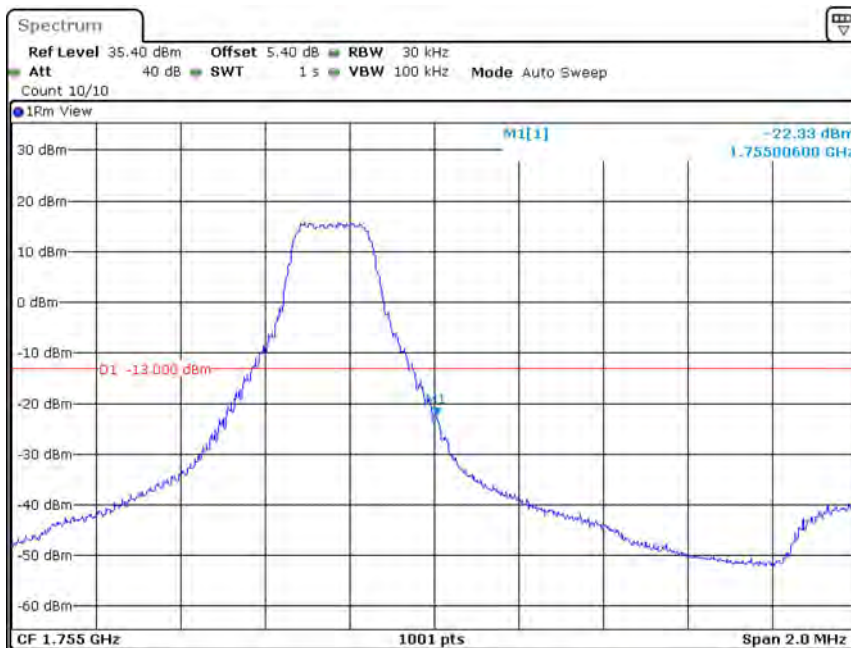


Band4-3MHz-64QAM-19965-15RB#0



Date: 28.AUG.2020 16:25:56

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



Date: 28.AUG.2020 16:26:22



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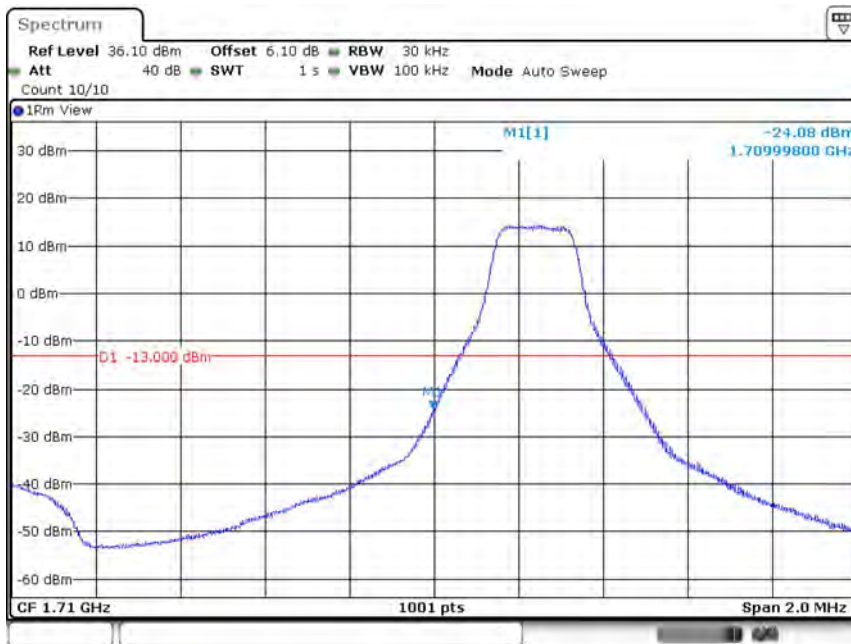


Band4-3MHz-64QAM-20385-15RB#0



Date: 28.AUG.2020 16:26:43

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



Date: 12.AUG.2020 23:13:19



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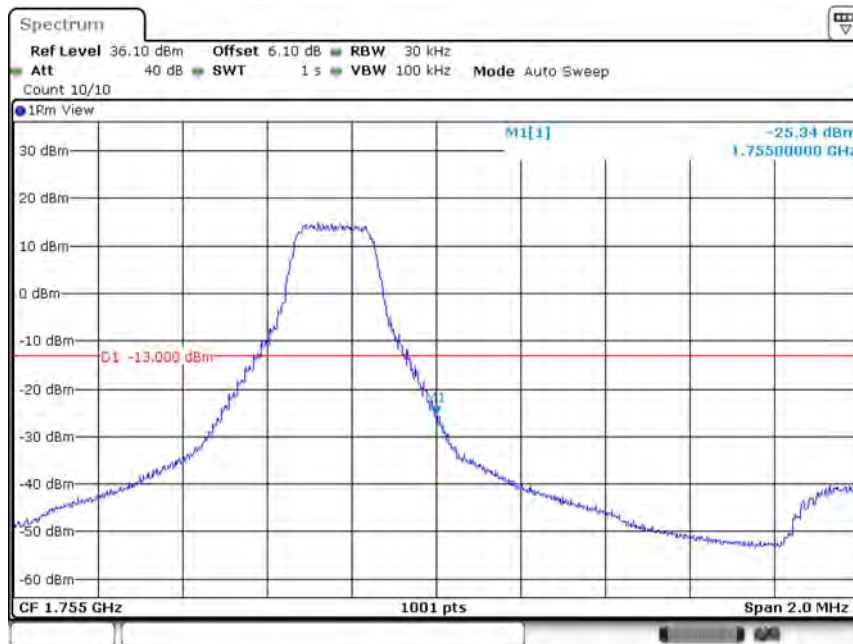


Band4-3MHz-16QAM-19965-15RB#0



Date: 12 AUG 2020 23:13:54

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



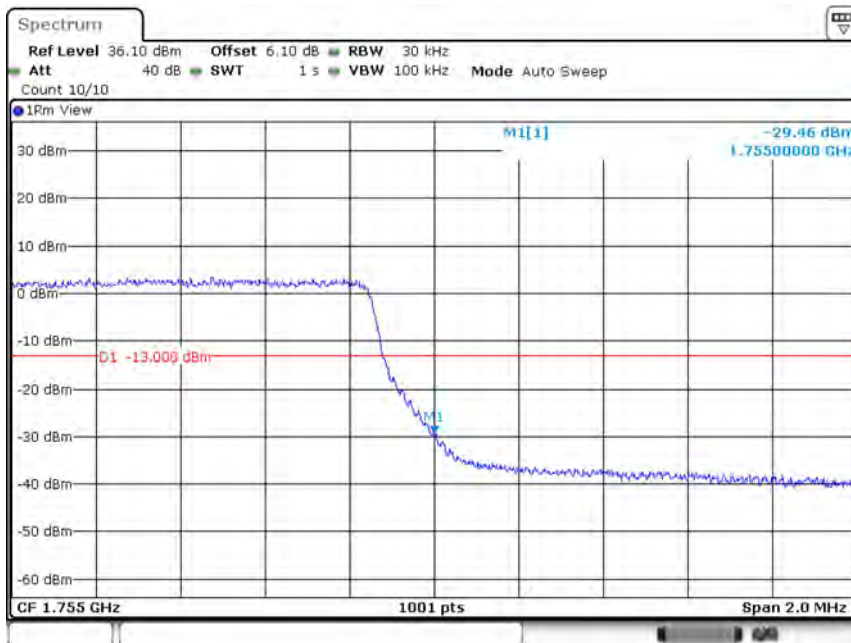
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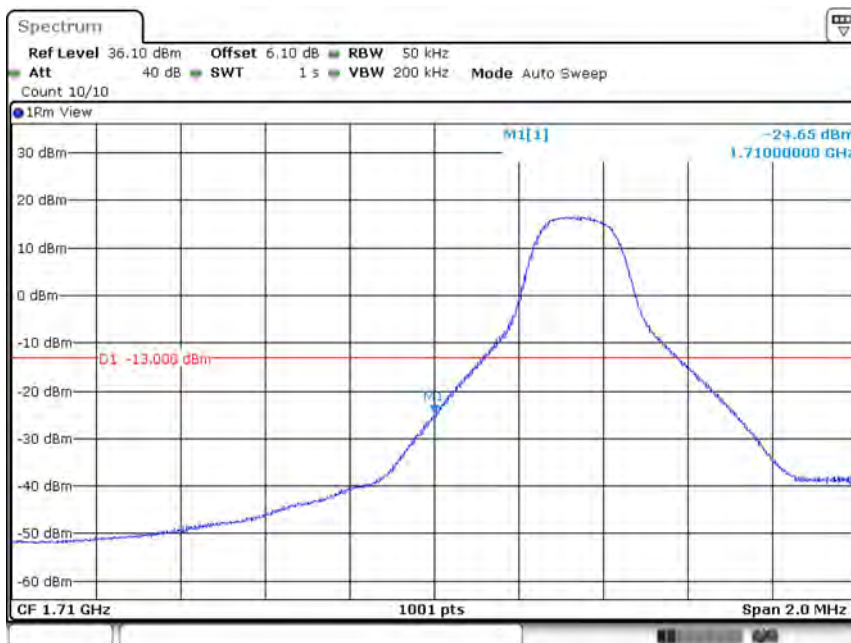


Band4-3MHz-16QAM-20385-15RB#0



Date: 12 AUG 2020 23:15:05

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



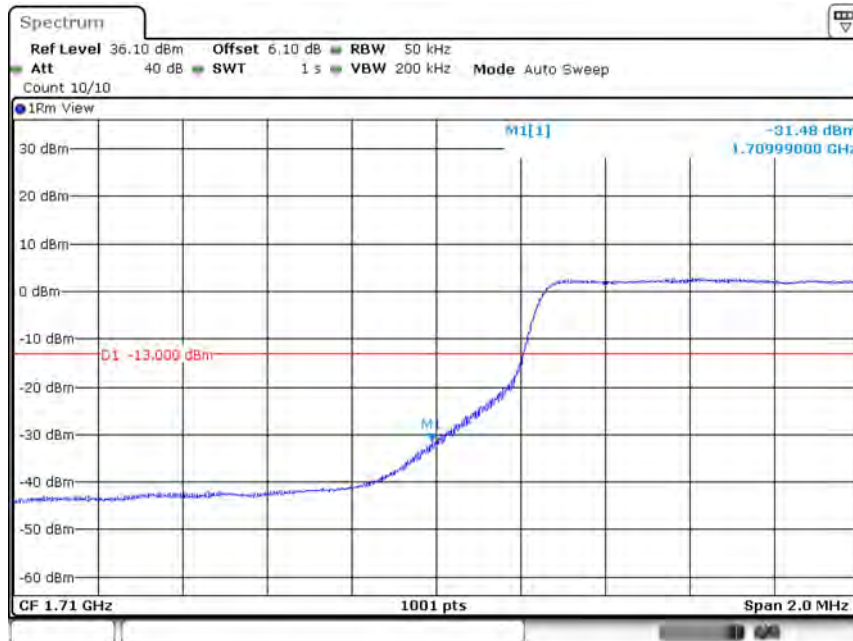
Date: 12 AUG 2020 23:15:24



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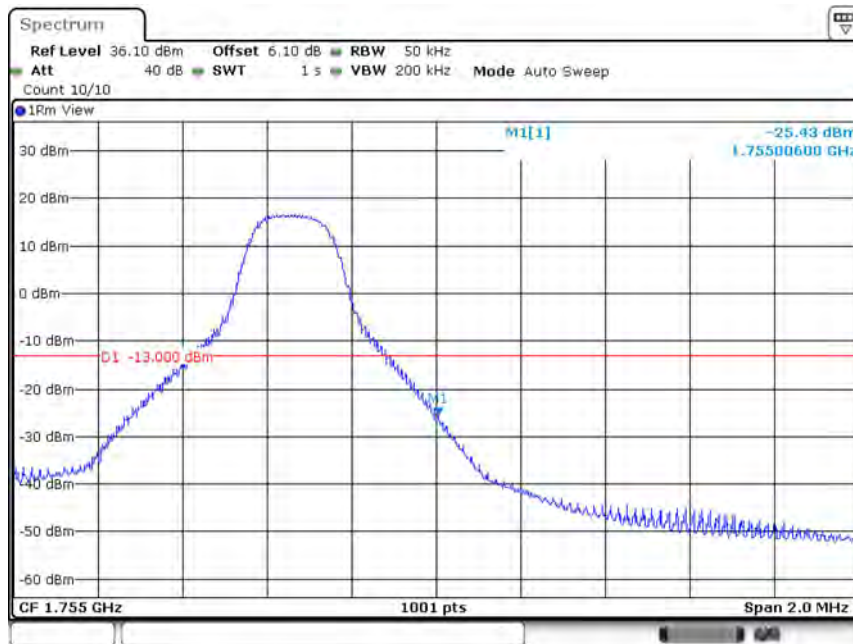


Band4-5MHz-QPSK-19975-25RB#0



Date: 12 AUG 2020 23:15:59

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



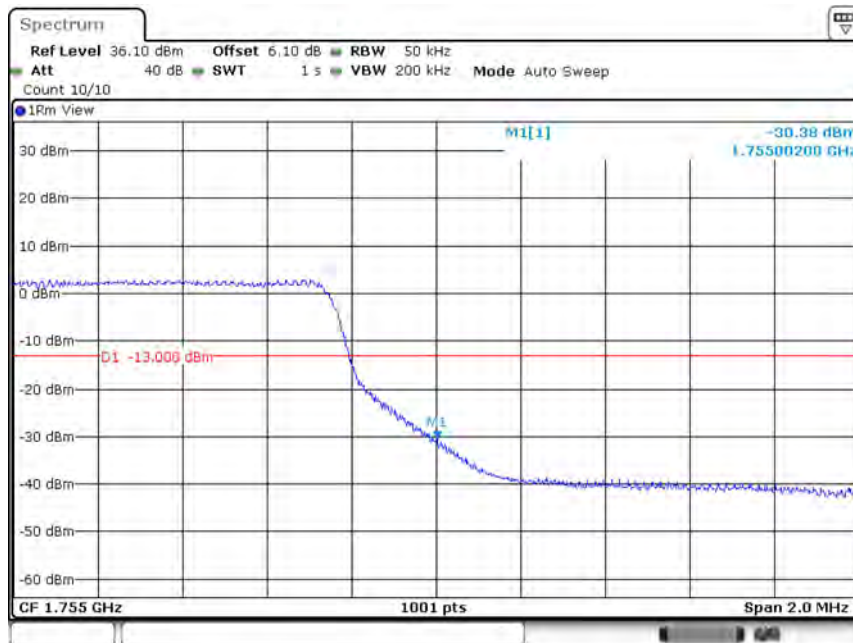
Date: 12 AUG 2020 23:16:35



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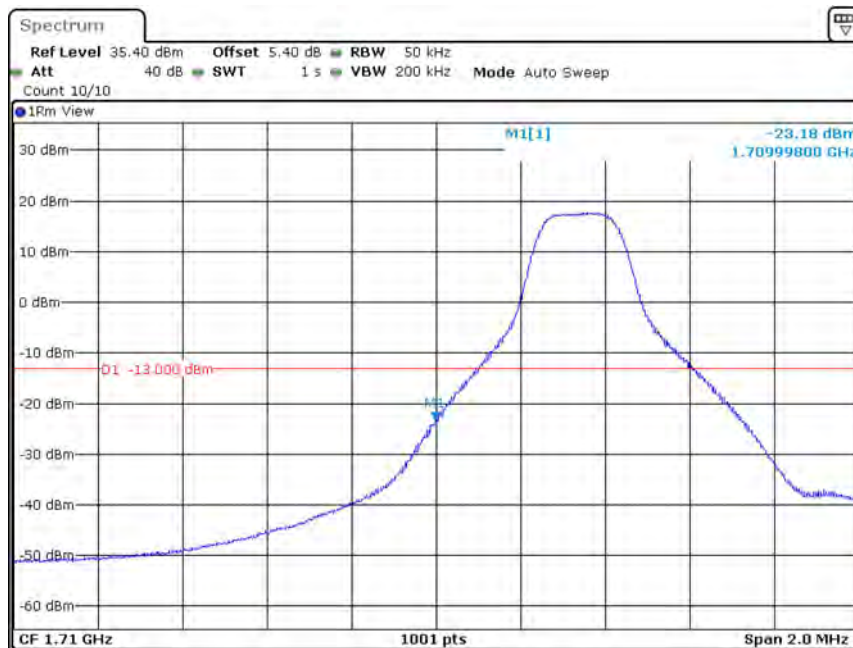


Band4-5MHz-QPSK-20375-25RB#0



Date: 12 AUG 2020 23:17:10

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



Date: 28 AUG 2020 16:27:10



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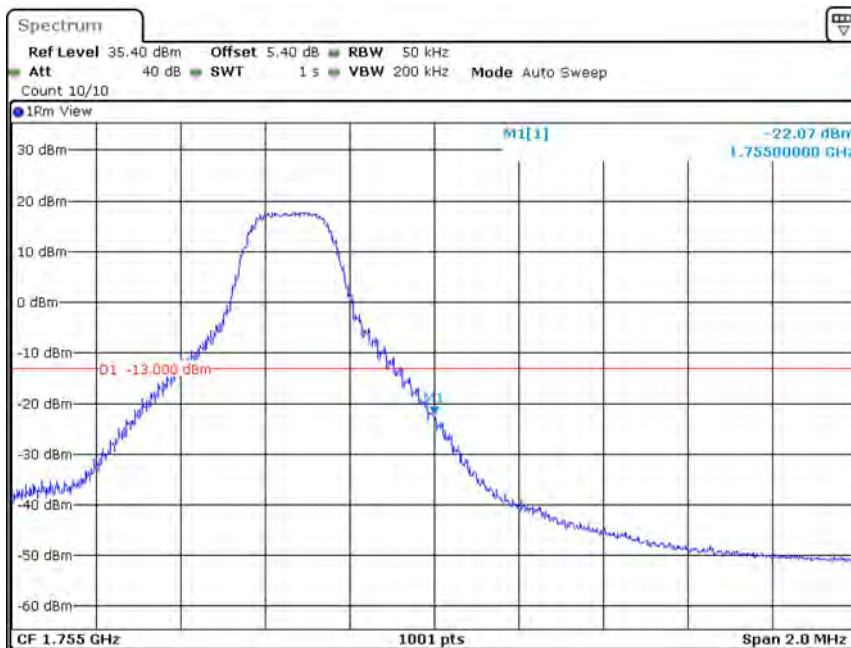


Band4-5MHz-64QAM-19975-25RB#0



Date: 28.AUG.2020 16:27:31

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



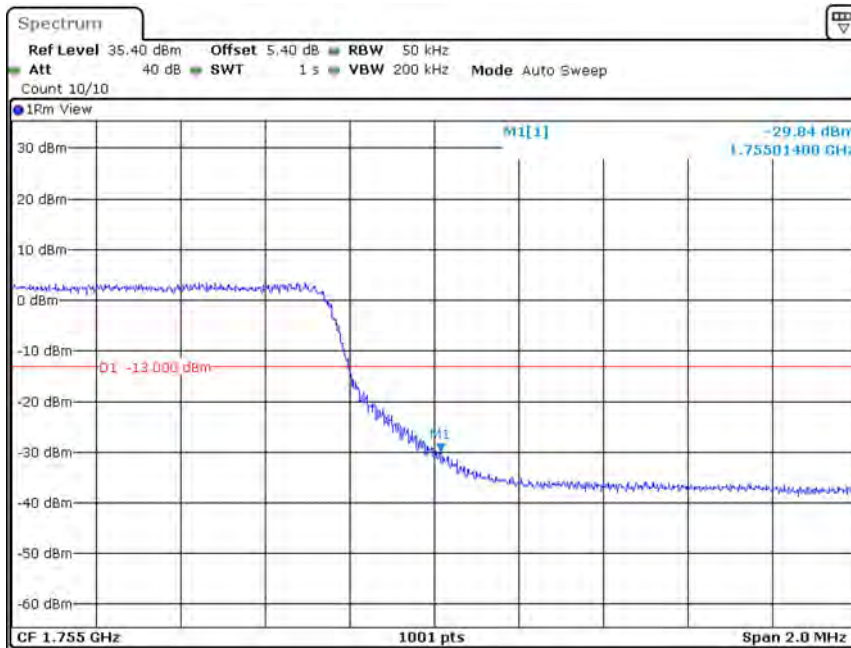
Date: 28.AUG.2020 16:27:57



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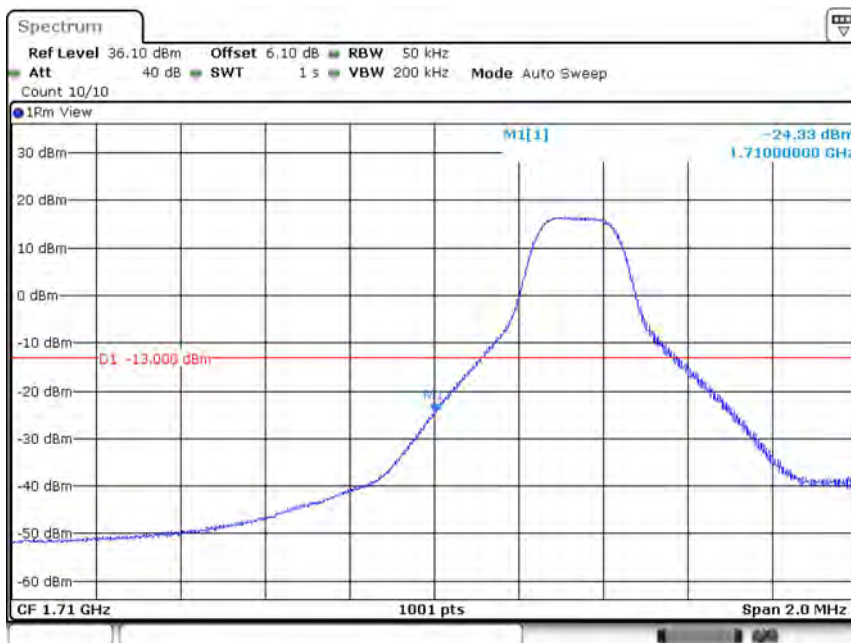


Band4-5MHz-64QAM-20375-25RB#0



Date: 28.AUG 2020 16:28:17

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



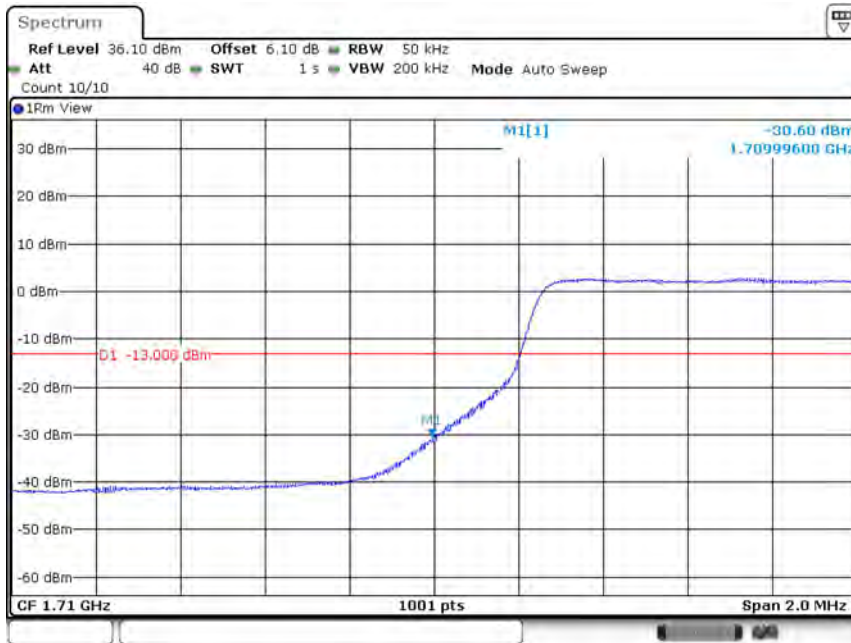
Date: 12.AUG 2020 23:15:41



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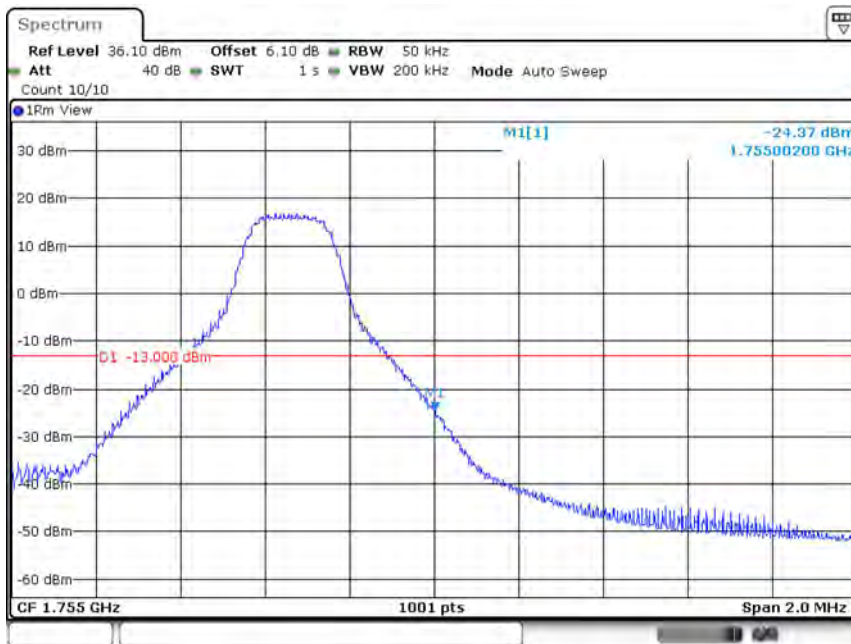


Band4-5MHz-16QAM-19975-25RB#0



Date: 12 AUG 2020 23:16:16

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



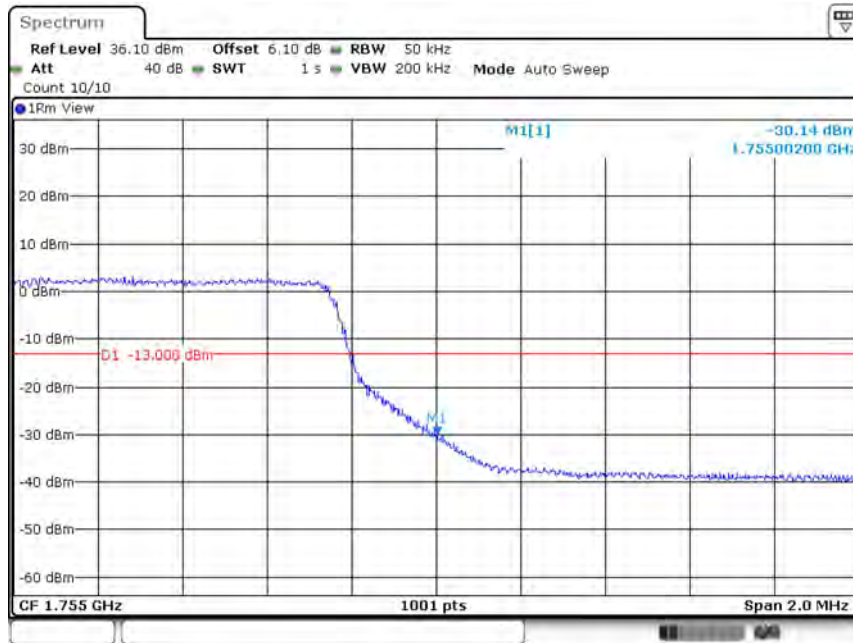
Date: 12 AUG 2020 23:16:52



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



Date: 12.AUG.2020 23.17.27

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



Date: 12.AUG.2020 23.17.47



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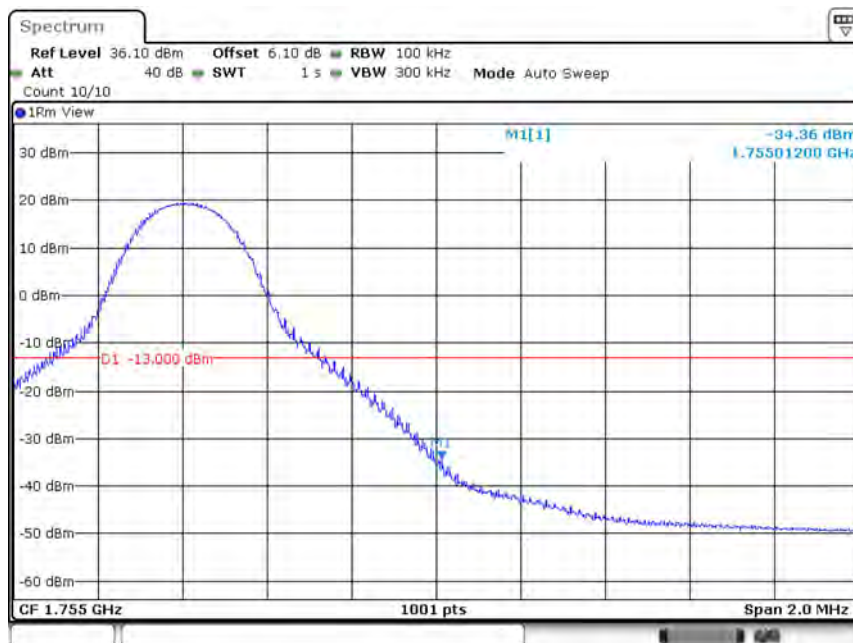


Band4-10MHz-QPSK-20000-50RB#0



Date: 12 AUG 2020 23:18:22

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



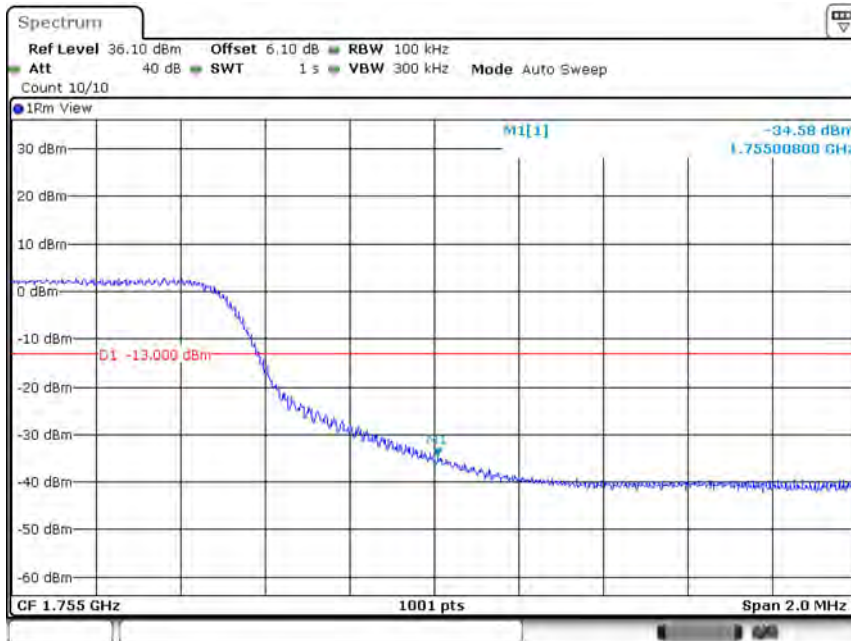
Date: 12 AUG 2020 23:18:58



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



Date: 12 AUG 2020 23:19:34

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



Date: 28 AUG 2020 16:28:45



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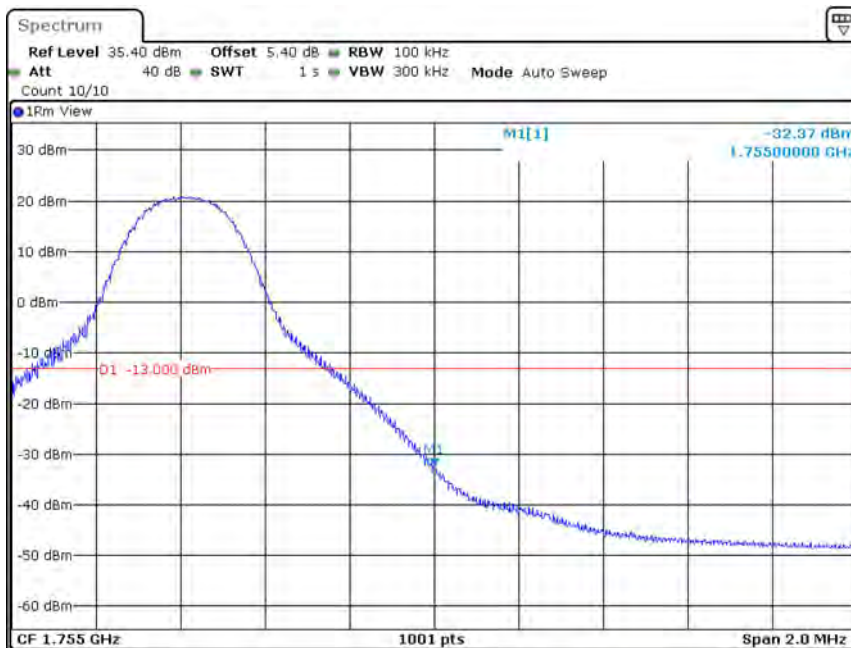


Band4-10MHz-64QAM-20000-50RB#0



Date: 28.AUG.2020 16:29:05

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



Date: 28.AUG.2020 16:29:32



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



Date: 28.AUG.2020 16:29:52

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



Date: 12.AUG.2020 23:18:04



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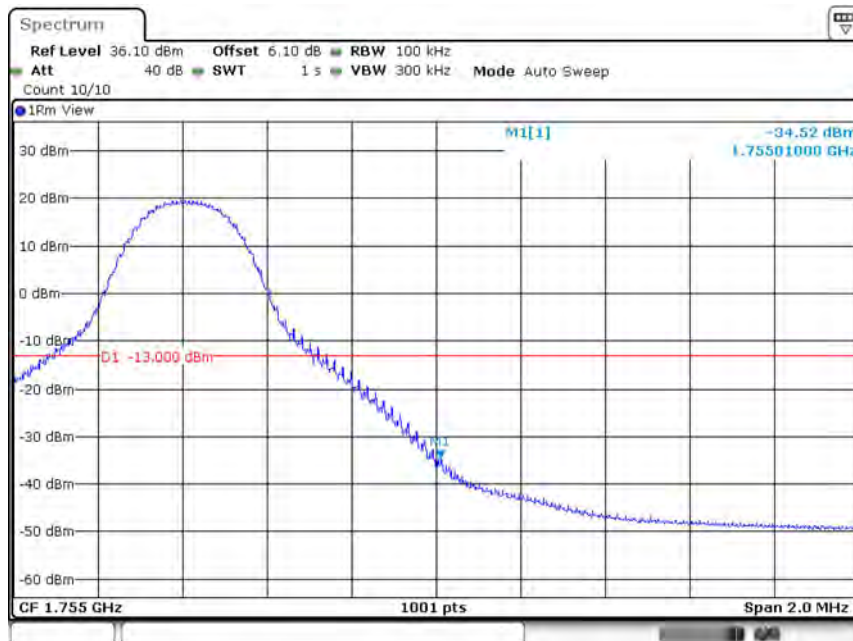


Band4-10MHz-16QAM-20000-50RB#0



Date: 12 AUG 2020 23:18:40

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



Date: 12 AUG 2020 23:19:16



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



Date: 12 AUG 2020 23:19:51

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



Date: 12 AUG 2020 23:20:10



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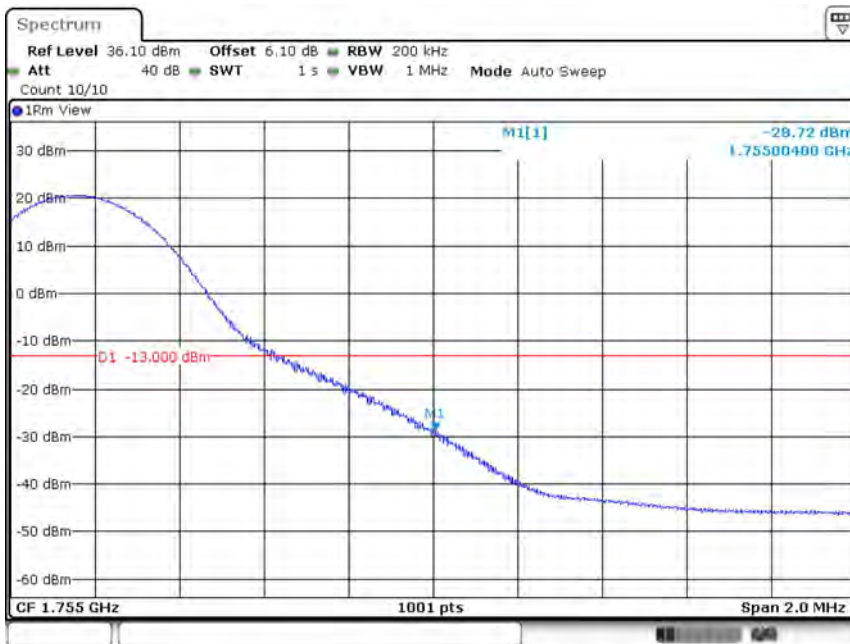


Band4-15MHz-QPSK-20025-75RB#0



Date: 12 AUG 2020 23:20:46

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



Date: 12 AUG 2020 23:21:22

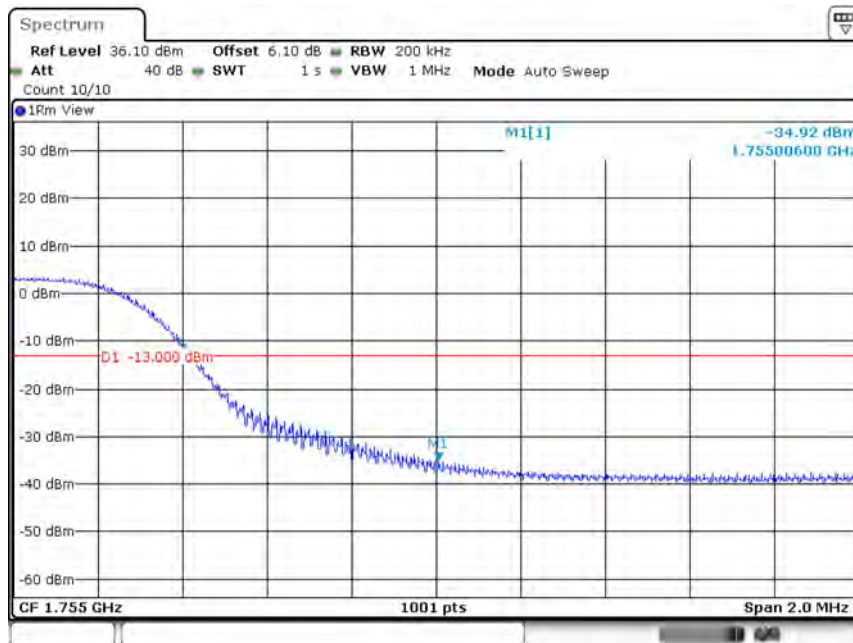


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Band4-15MHz-QPSK-20325-75RB#0



Date: 12 AUG 2020 23:21:57

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



Date: 28 AUG 2020 16:30:20



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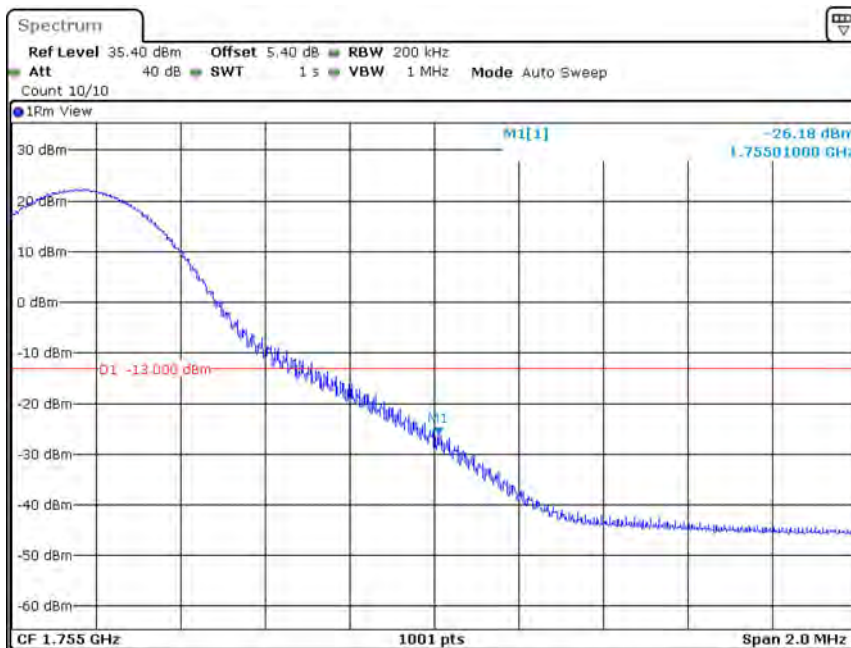


Band4-15MHz-64QAM-20025-75RB#0



Date: 28.AUG.2020 16:30:40

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



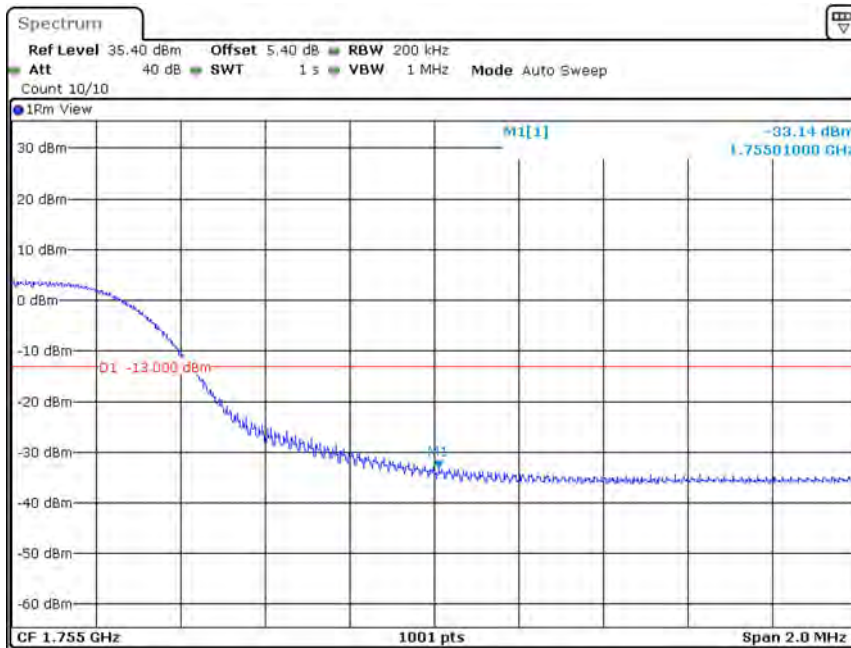
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Band4-15MHz-64QAM-20325-75RB#0



Date: 28.AUG.2020 16:31:27

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



Date: 12.AUG.2020 23:20:28



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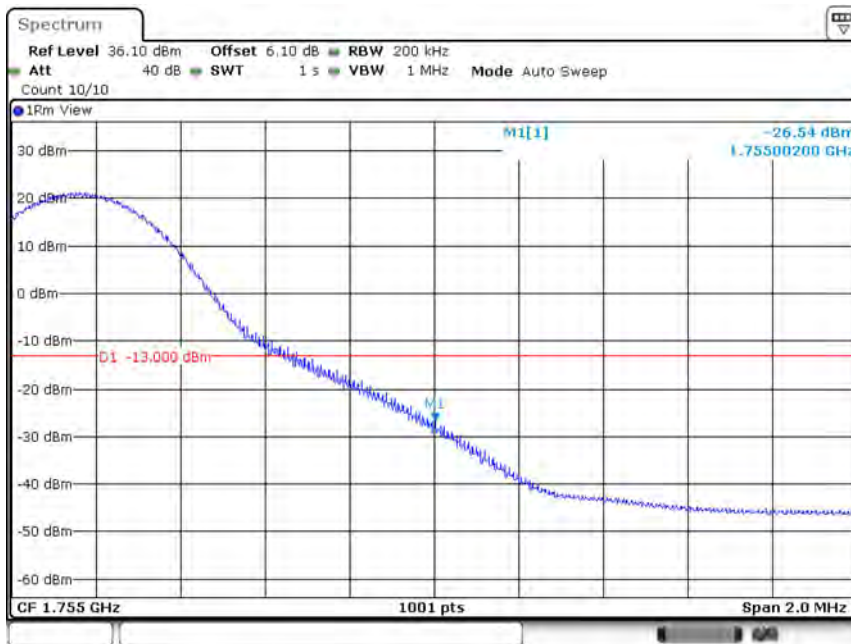


Band4-15MHz-16QAM-20025-75RB#0



Date: 12 AUG 2020 23:21:04

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



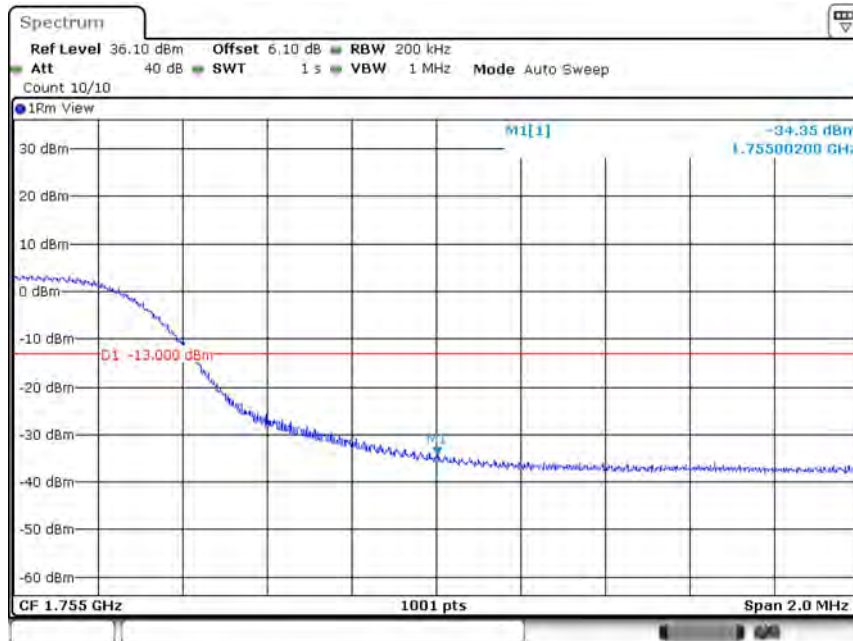
Date: 12 AUG 2020 23:21:40



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



Date: 12 AUG 2020 23:22:15

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



Date: 12 AUG 2020 23:22:34



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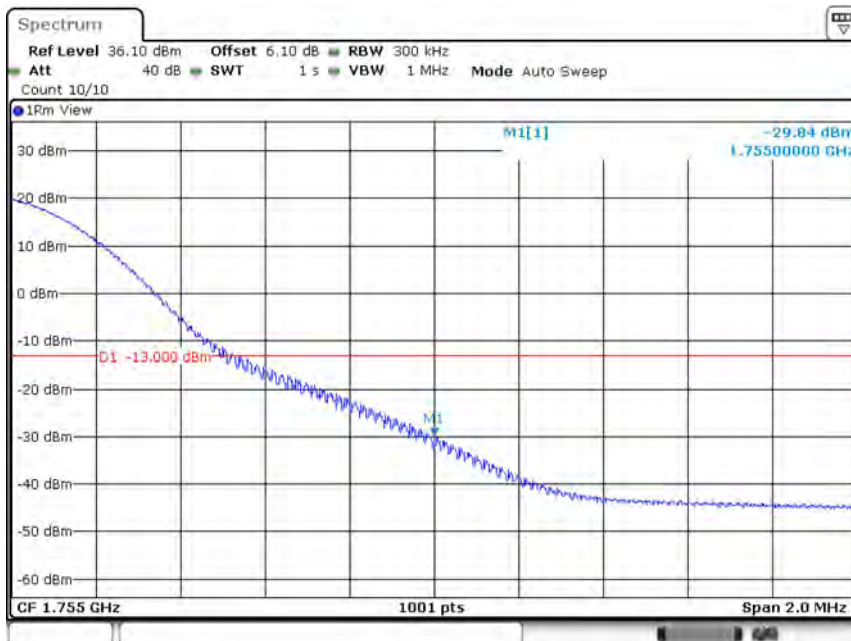


Band4-20MHz-QPSK-20050-100RB#0



Date: 12 AUG 2020 23:23:09

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



Date: 12 AUG 2020 23:23:46

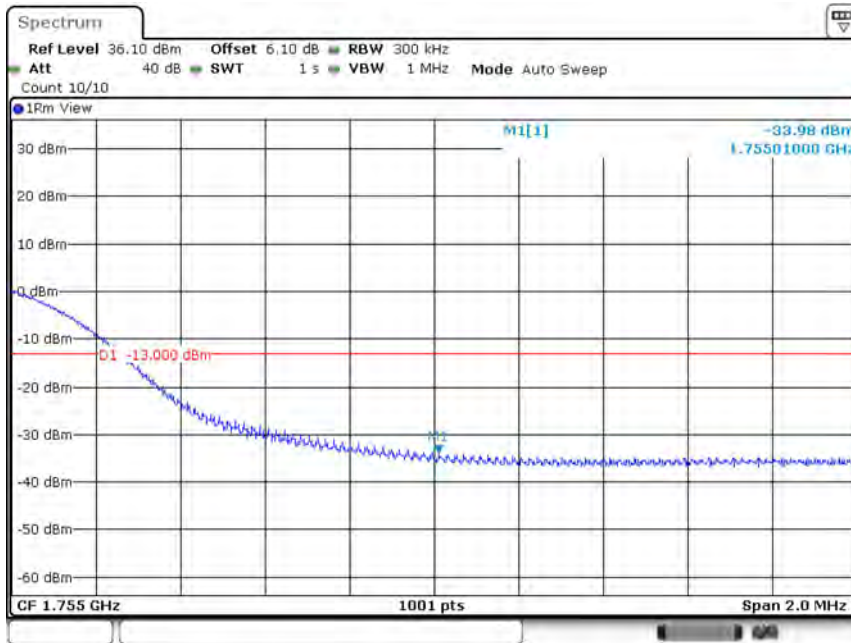


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Band4-20MHz-QPSK-20300-100RB#0



Date: 12 AUG 2020 23:24:21

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



Date: 28 AUG 2020 16:31:54



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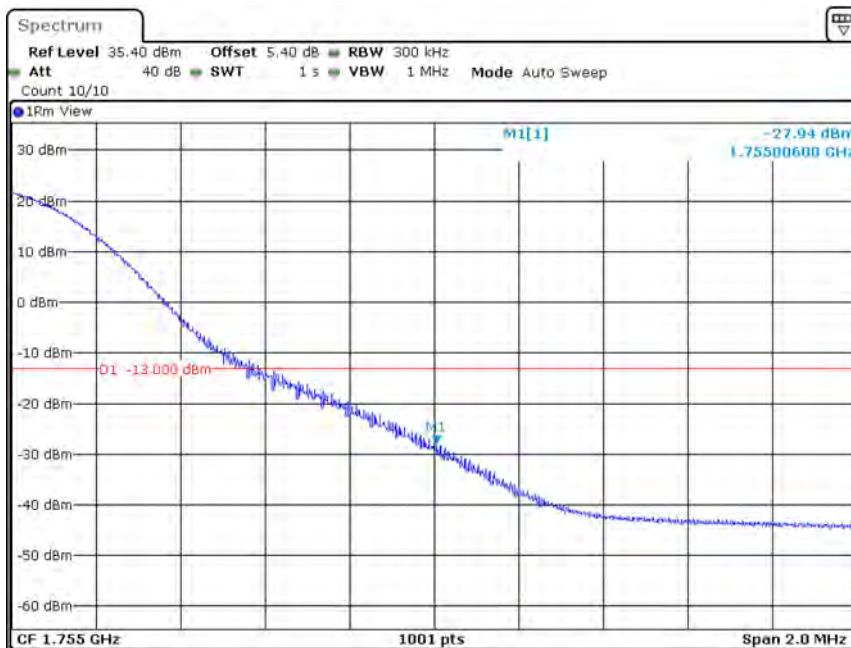


Band4-20MHz-64QAM-20050-100RB#0



Date: 28.AUG.2020 16:32:15

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



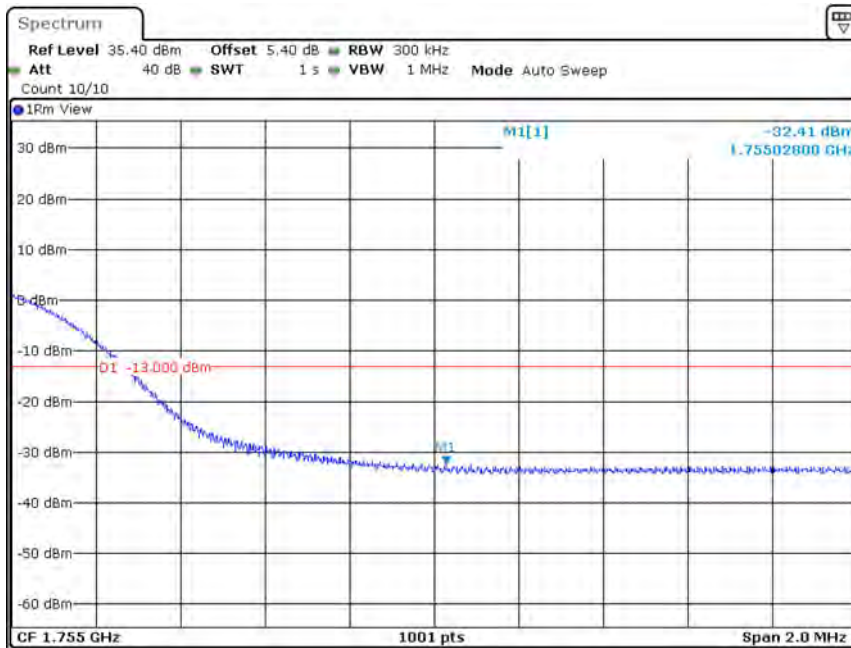
Date: 28.AUG.2020 16:32:41



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



Date: 28 AUG 2020 16:33:01

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



Date: 12 AUG 2020 23:22:52



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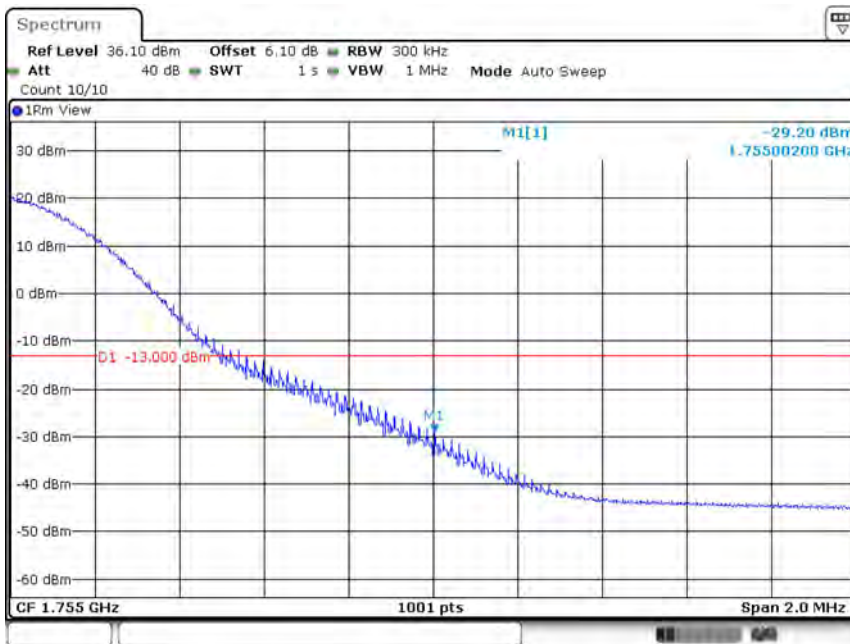


Band4-20MHz-16QAM-20050-100RB#0



Date: 12 AUG 2020 23:23:27

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



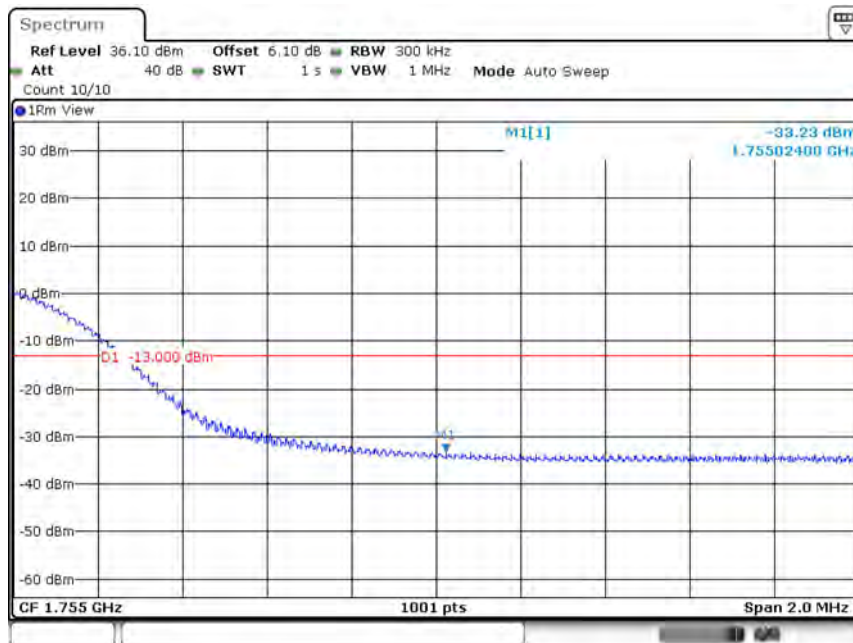
Date: 12 AUG 2020 23:24:03



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



Date: 12 AUG 2020 23:24:38



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SGS-CSTC Standards Technical Services Co., Ltd.
 Shenzhen Branch Inspection & Testing Services

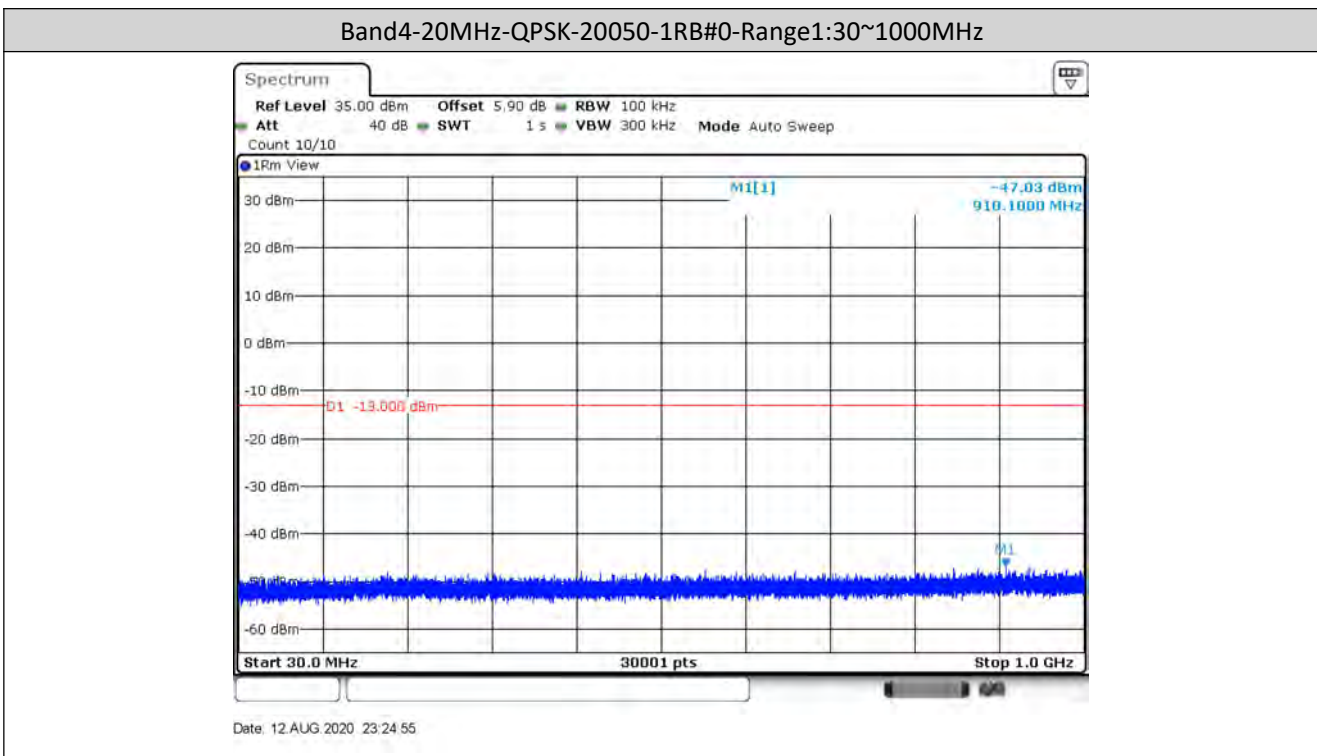
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6. Spurious Emission at Antenna Terminal

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 = $k * (\text{Span} / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

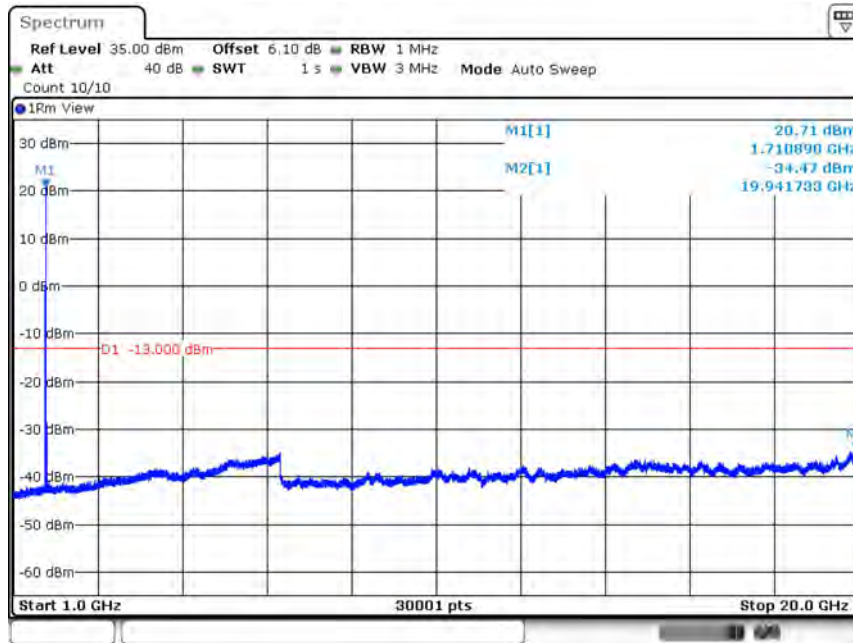
Remark2: only the worst case data displayed in this report.

6.1. Test Plots



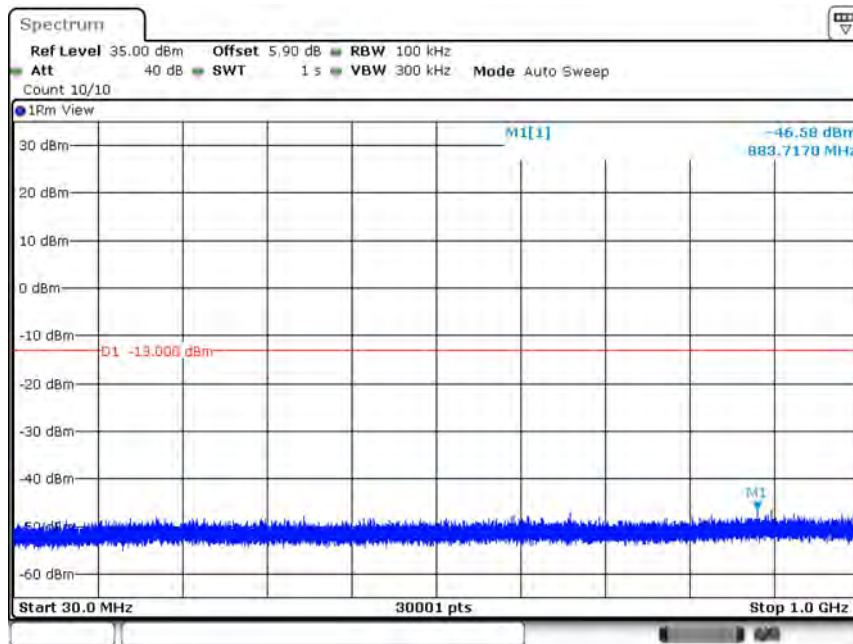
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Band4-20MHz-QPSK-20050-1RB#0-Range2:1000~20000MHz



Date: 12 AUG 2020 23:25:12

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

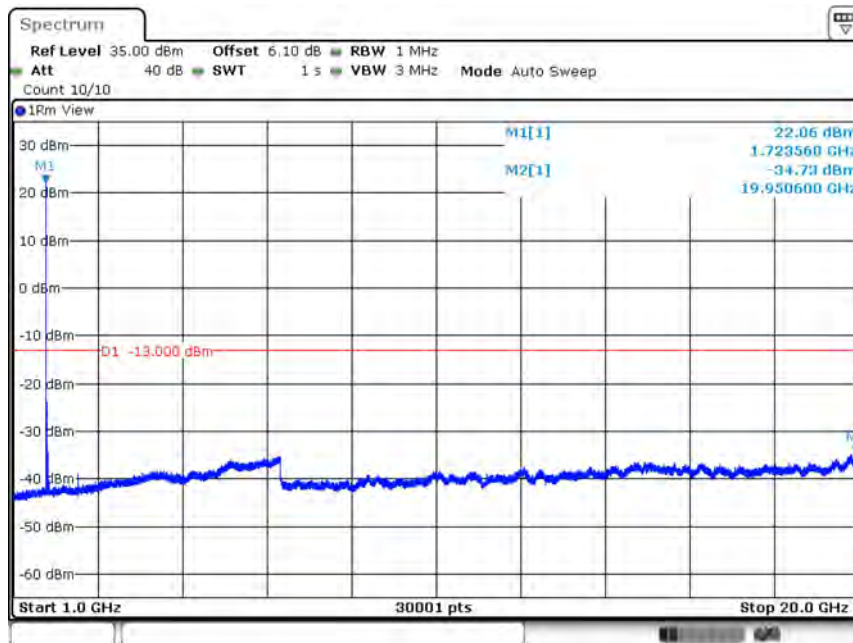


Date: 12 AUG 2020 23:26:00



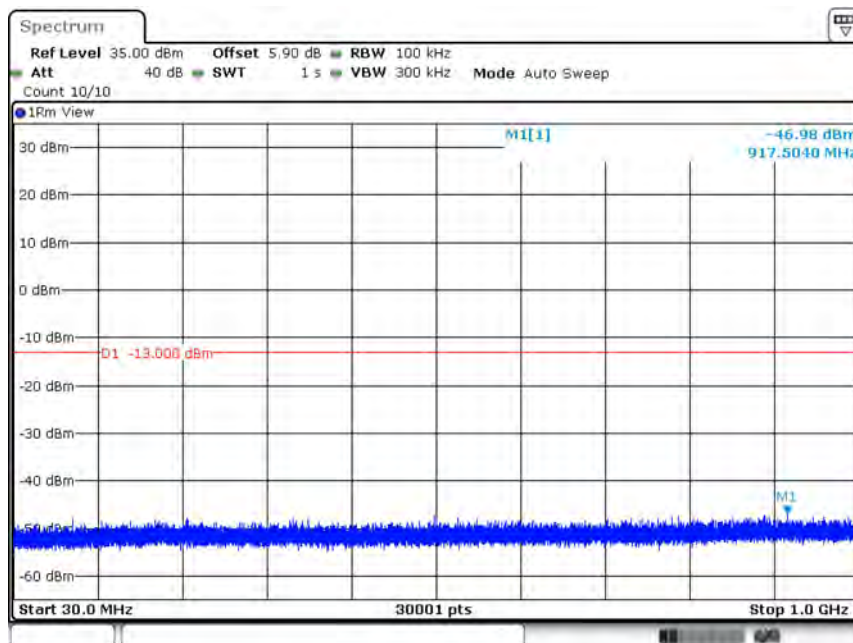
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Band4-20MHz-QPSK-20175-1RB#0-Range2:1000~20000MHz



Date: 12.AUG.2020 23:26:16

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

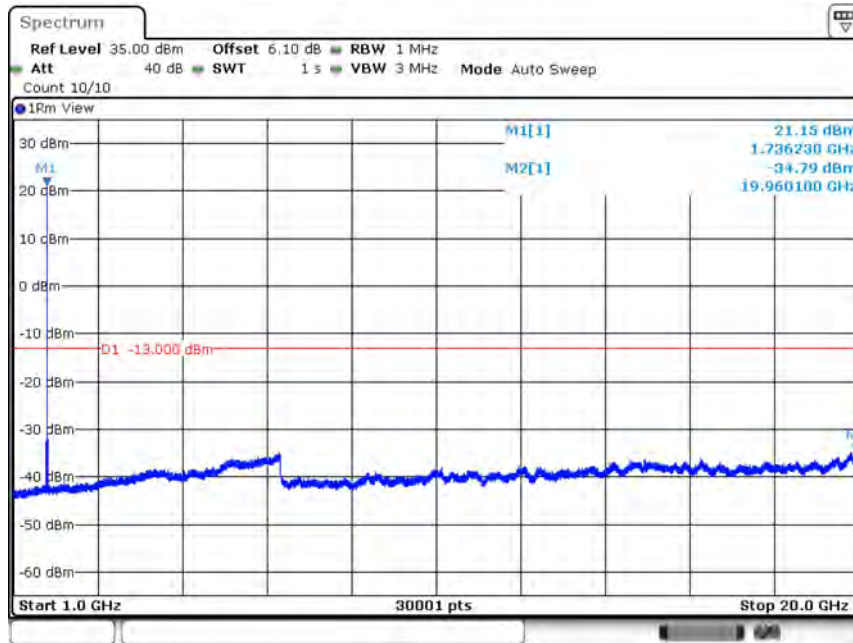


Date: 12.AUG.2020 23:27:04



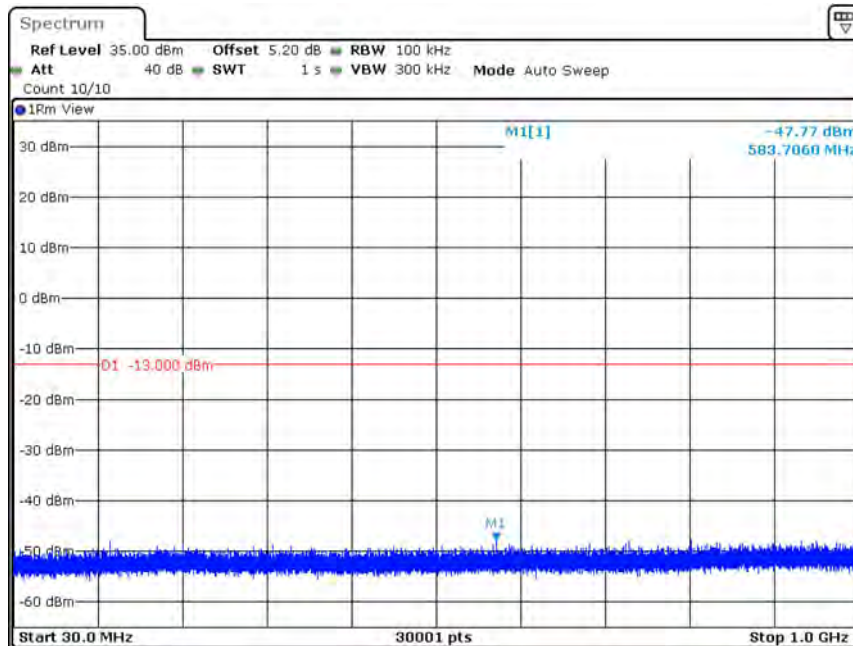
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Band4-20MHz-QPSK-20300-1RB#0-Range2:1000~20000MHz



Date: 12 AUG 2020 23:27:20

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



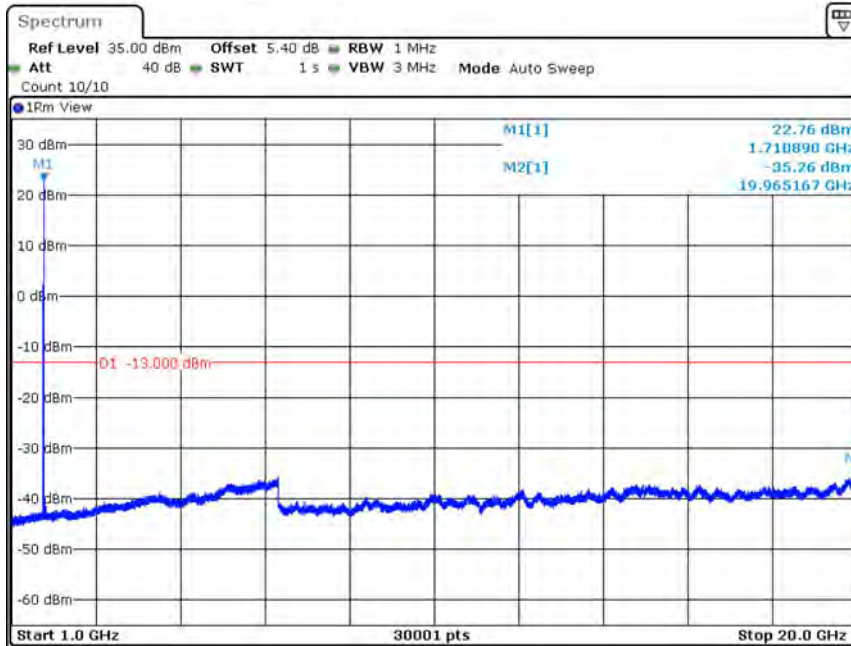
Date: 28 AUG 2020 16:33:26



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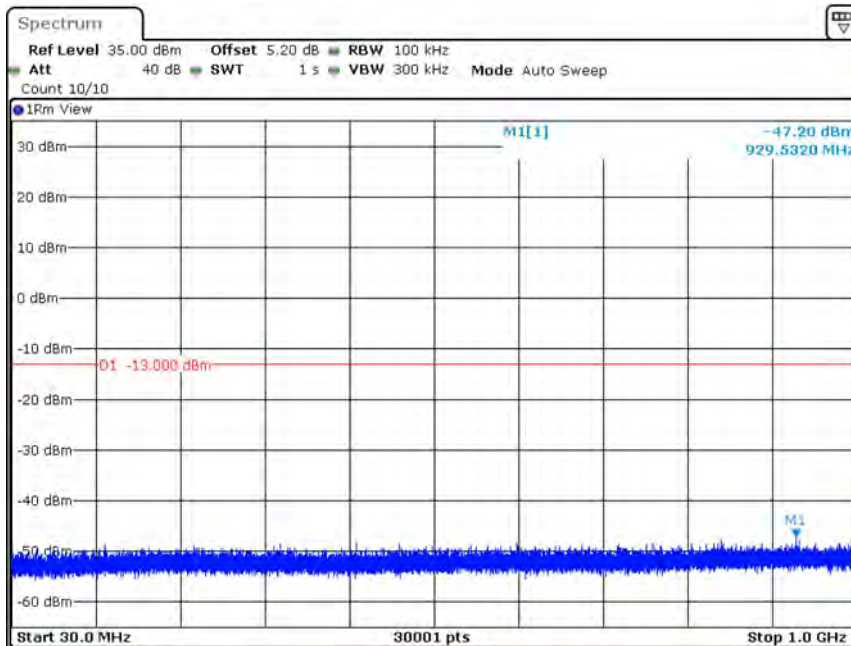
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Band4-20MHz-64QAM-20050-1RB#0-Range2:1000~20000MHz



Date: 28.AUG.2020 16:33:42

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



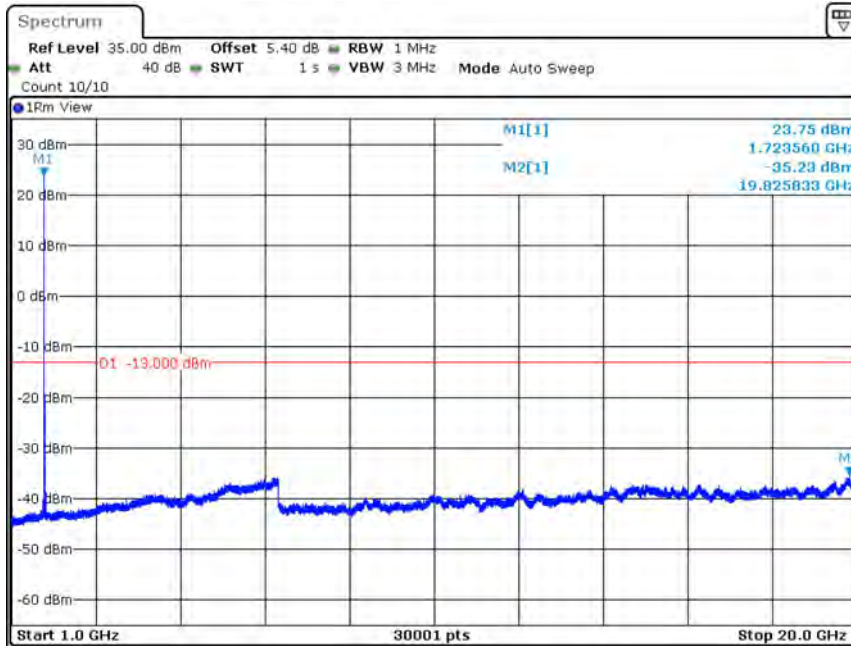
Date: 28.AUG.2020 16:34:01



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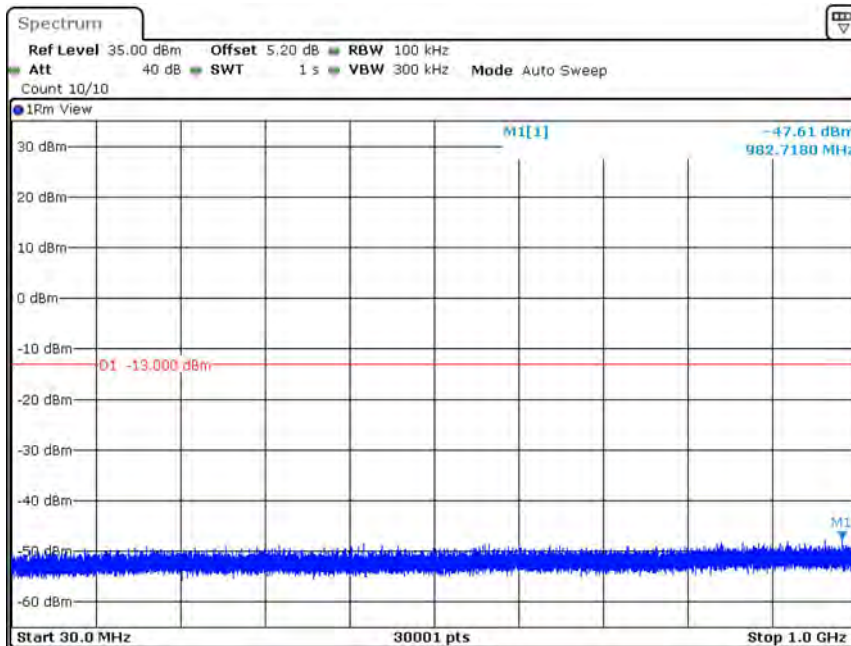
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Band4-20MHz-64QAM-20175-1RB#0-Range2:1000~20000MHz



Date: 28.AUG.2020 16:34:17

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

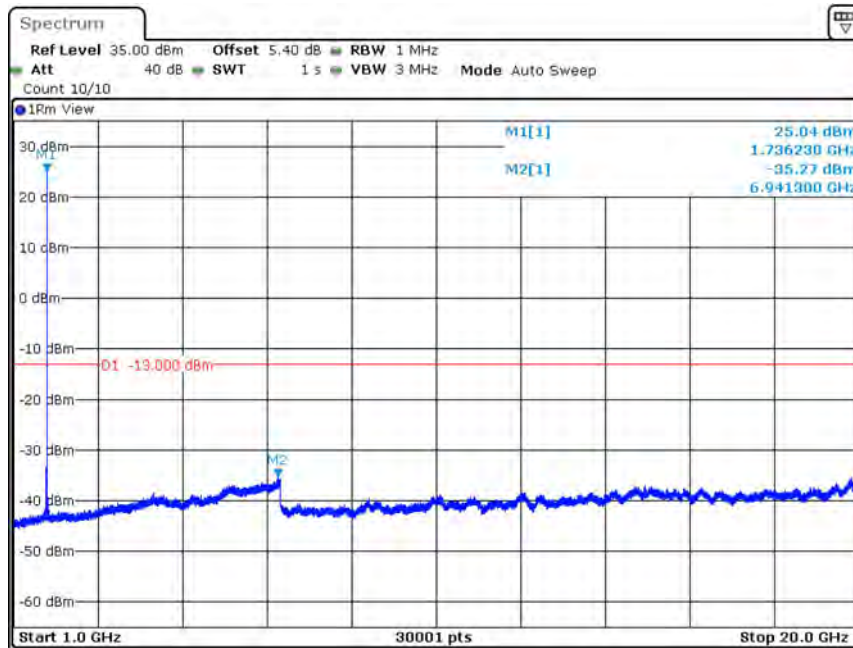


Date: 28.AUG.2020 16:34:36



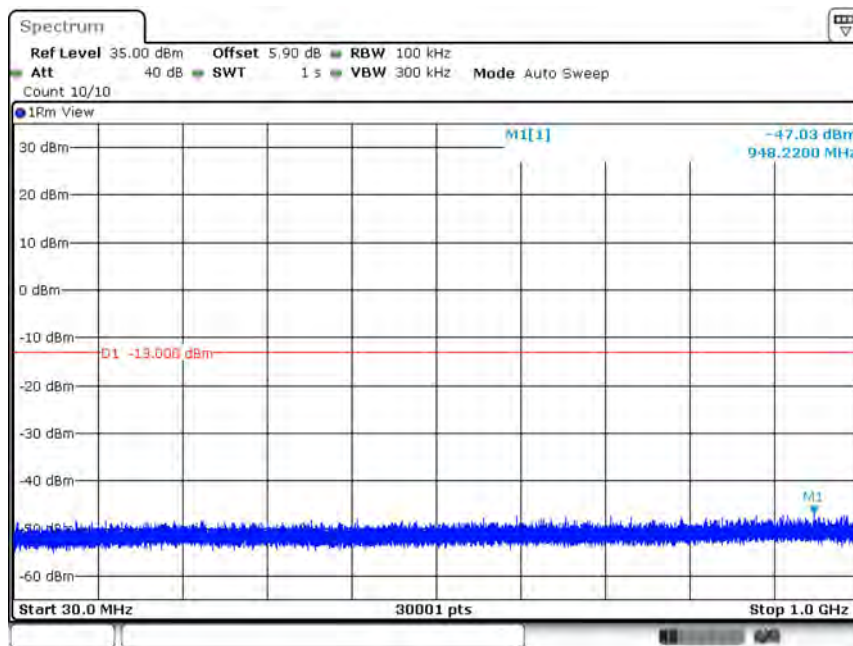
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Band4-20MHz-64QAM-20300-1RB#0-Range2:1000~20000MHz



Date: 28.AUG.2020 16:34:53

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

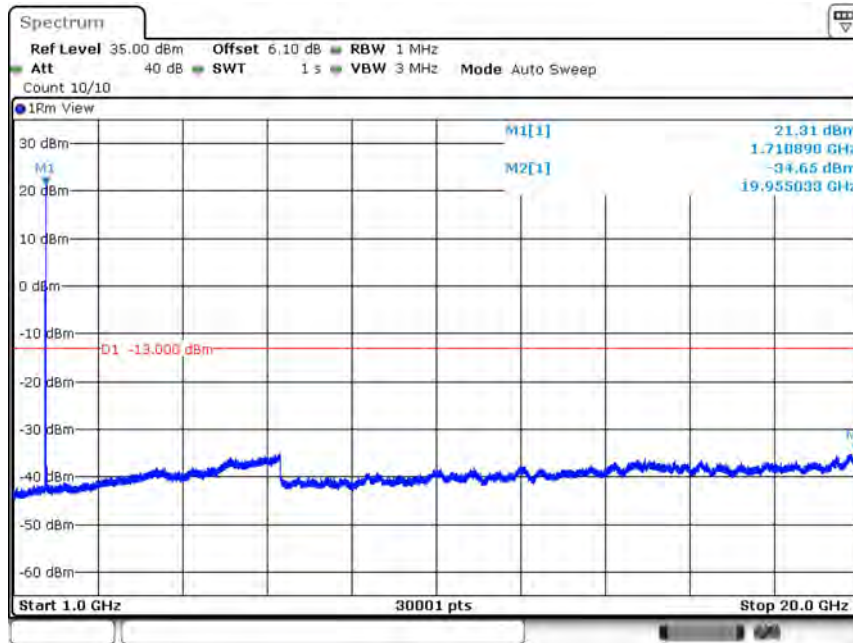


Date: 12.AUG.2020 23:25:27



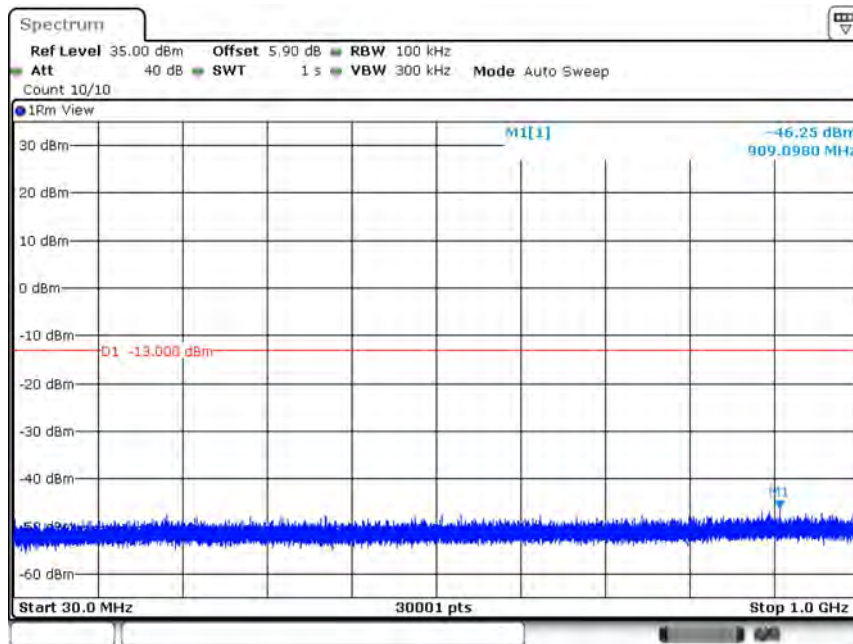
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Band4-20MHz-16QAM-20050-1RB#0-Range2:1000~20000MHz



Date: 12 AUG 2020 23:25:44

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

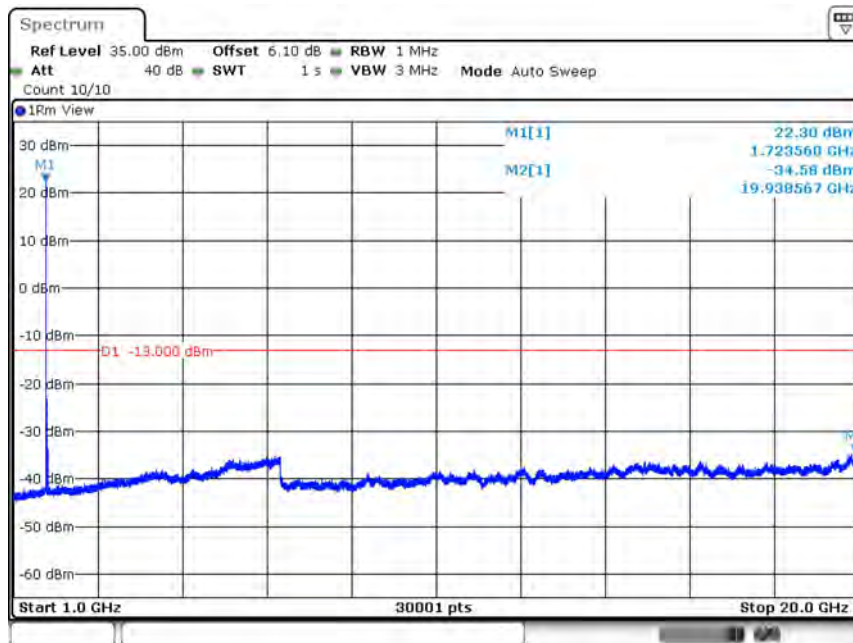


Date: 12 AUG 2020 23:26:32



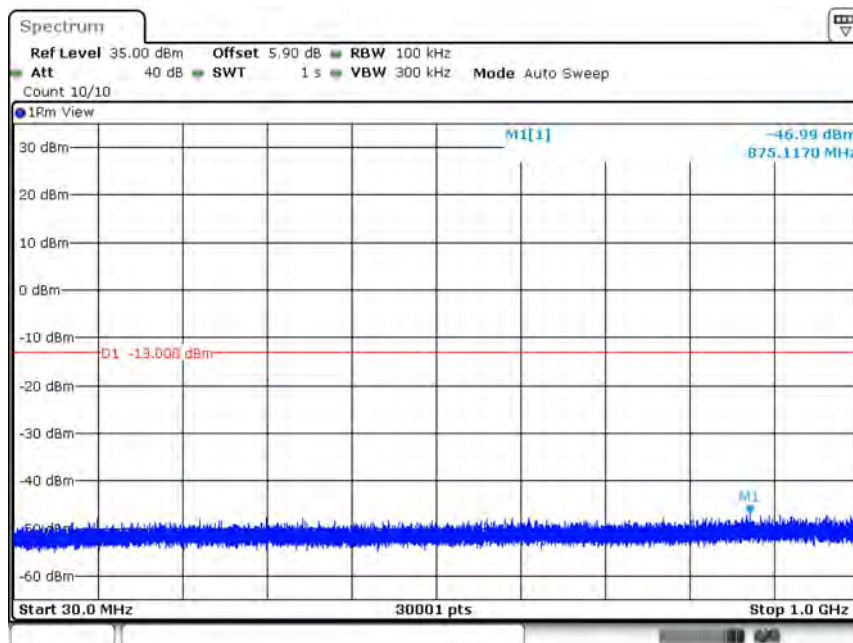
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Band4-20MHz-16QAM-20175-1RB#0-Range2:1000~20000MHz



Date: 12.AUG.2020 23:26:48

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

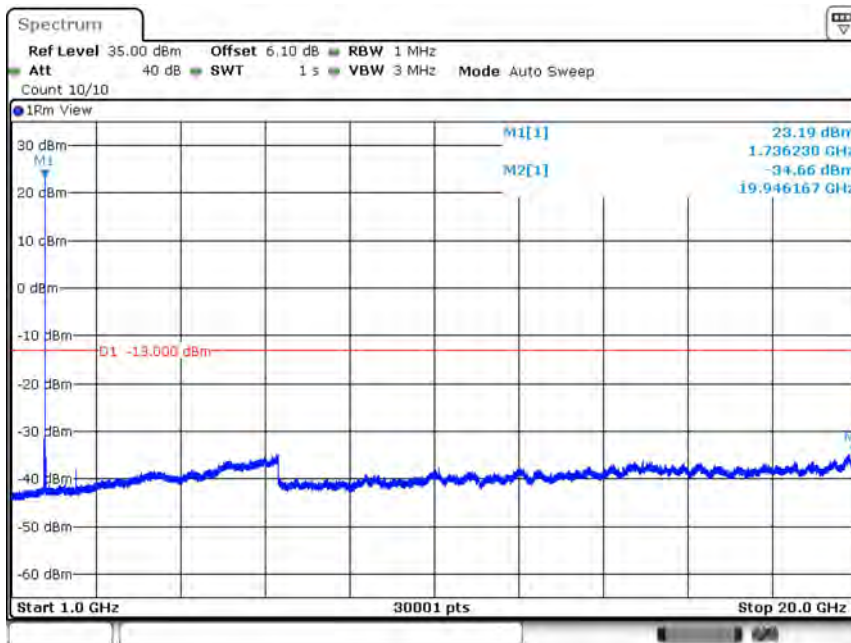


Date: 12.AUG.2020 23:27:36



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



Date: 12 AUG 2020 23:27:52



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7. Field Strength of Spurious Radiation

7.1. Test Mode =LTE/TM1 20MHz

7.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
116.1403	-65.21	-13.00	52.21	Vertical
668.1464	-64.14	-13.00	51.14	Vertical
2699.1398	-36.98	-13.00	23.98	Vertical
3422.5141	-60.01	-13.00	47.01	Vertical
14460.3820	-47.40	-13.00	34.40	Vertical
17999.0000	-39.92	-13.00	26.92	Vertical
40.2825	-64.23	-13.00	51.23	Horizontal
236.8143	-68.93	-13.00	55.93	Horizontal
2703.5407	-35.76	-13.00	22.76	Horizontal
3422.5141	-48.99	-13.00	35.99	Horizontal
11233.7745	-51.75	-13.00	38.75	Horizontal
16393.4464	-43.68	-13.00	30.68	Horizontal

7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
47.8004	-71.47	-13.00	58.47	Vertical
109.6895	-65.53	-13.00	52.53	Vertical
418.7954	-68.51	-13.00	55.51	Vertical
3447.0149	-58.31	-13.00	45.31	Vertical
8042.1681	-55.88	-13.00	42.88	Vertical
17998.5000	-39.32	-13.00	26.32	Vertical
44.5022	-64.55	-13.00	51.55	Horizontal
237.3964	-68.87	-13.00	55.87	Horizontal
491.9856	-67.24	-13.00	54.24	Horizontal
3447.0149	-47.20	-13.00	34.20	Horizontal
7448.6483	-55.92	-13.00	42.92	Horizontal
16382.4461	-43.90	-13.00	30.90	Horizontal



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7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
48.6249	-70.15	-13.00	57.15	Vertical
118.0319	-64.89	-13.00	51.89	Vertical
387.2689	-68.13	-13.00	55.13	Vertical
3472.5158	-61.33	-13.00	48.33	Vertical
7339.6447	-55.86	-13.00	42.86	Vertical
17999.0000	-40.09	-13.00	27.09	Vertical
41.8831	-64.48	-13.00	51.48	Horizontal
95.4298	-75.92	-13.00	62.92	Horizontal
246.3693	-68.26	-13.00	55.26	Horizontal
3472.0157	-52.11	-13.00	39.11	Horizontal
8012.1671	-56.08	-13.00	43.08	Horizontal
16369.9457	-43.71	-13.00	30.71	Horizontal

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	1.30	0.000756	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VN	NT	3.60	0.002093	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VH	NT	4.00	0.002326	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	2.70	0.001558	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	1.30	0.000750	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	0.90	0.000519	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VL	NT	-0.80	-0.000458	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VN	NT	-2.80	-0.001605	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VH	NT	-0.10	-0.000057	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	VL	NT	3.00	0.001744	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	VN	NT	4.60	0.002674	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	VH	NT	4.20	0.002442	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	VL	NT	-0.10	-0.000058	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	VN	NT	0.20	0.000115	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	VH	NT	2.60	0.001501	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	VL	NT	-2.00	-0.001146	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	VN	NT	-2.30	-0.001318	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	VH	NT	-0.50	-0.000287	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VL	NT	2.70	0.001570	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VN	NT	3.80	0.002209	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VH	NT	0.30	0.000174	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VL	NT	0.10	0.000058	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VN	NT	3.00	0.001732	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VH	NT	-0.60	-0.000346	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VL	NT	-4.00	-0.002292	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VN	NT	-4.20	-0.002407	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VH	NT	-1.00	-0.000573	±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	2.20	0.001279	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-20	4.20	0.002442	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-10	2.00	0.001163	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	0	2.70	0.001570	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	10	0.50	0.000291	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	20	2.40	0.001395	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	30	4.20	0.002442	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	40	1.40	0.000814	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	50	0.30	0.000174	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	1.90	0.001097	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	0.40	0.000231	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-10	1.80	0.001039	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	1.00	0.000577	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	2.40	0.001385	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	2.70	0.001558	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	2.50	0.001443	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	2.20	0.001270	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	2.10	0.001212	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-30	-2.80	-0.001605	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-20	-0.70	-0.000401	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-10	-1.20	-0.000688	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	0	0.10	0.000057	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	10	-1.00	-0.000573	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	20	-1.50	-0.000860	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	30	-1.90	-0.001089	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	40	-3.30	-0.001891	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	50	-1.70	-0.000974	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	-30	4.30	0.002500	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	-20	4.40	0.002558	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	-10	1.10	0.000640	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	0	3.10	0.001802	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	10	2.30	0.001337	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	20	4.50	0.002616	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	30	2.70	0.001570	±2.5	PASS



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Band4	20MHz	64QAM	20050	100RB#0	NV	40	1.60	0.000930	±2.5	PASS
Band4	20MHz	64QAM	20050	100RB#0	NV	50	2.00	0.001163	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	-30	-0.40	-0.000231	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	-20	2.00	0.001154	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	-10	-0.60	-0.000346	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	0	1.10	0.000635	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	10	1.80	0.001039	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	20	0.90	0.000519	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	30	0.00	0.000000	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	40	2.20	0.001270	±2.5	PASS
Band4	20MHz	64QAM	20175	100RB#0	NV	50	-0.50	-0.000289	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	-30	-3.00	-0.001719	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	-20	-1.90	-0.001089	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	-10	-1.90	-0.001089	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	0	-3.70	-0.002120	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	10	-1.40	-0.000802	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	20	-2.30	-0.001318	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	30	-1.90	-0.001089	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	40	-3.20	-0.001834	±2.5	PASS
Band4	20MHz	64QAM	20300	100RB#0	NV	50	-3.10	-0.001777	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-30	3.70	0.002151	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-20	1.40	0.000814	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-10	4.10	0.002384	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	0	3.50	0.002035	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	10	1.80	0.001047	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	20	2.10	0.001221	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	30	3.20	0.001860	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	40	0.70	0.000407	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	50	2.60	0.001512	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-30	2.40	0.001385	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-20	-0.60	-0.000346	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-10	2.30	0.001328	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	0	0.30	0.000173	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	10	1.00	0.000577	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	20	-0.10	-0.000058	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	30	1.30	0.000750	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	40	0.30	0.000173	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	50	0.80	0.000462	±2.5	PASS



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Band4	20MHz	16QAM	20300	100RB#0	NV	-30	-1.10	-0.000630	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-20	-3.30	-0.001891	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-10	-1.30	-0.000745	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	0	-3.90	-0.002235	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	10	-4.60	-0.002636	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	20	-2.90	-0.001662	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	30	-2.70	-0.001547	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	40	-0.60	-0.000344	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	50	-3.80	-0.002178	±2.5	PASS



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